

Cover Page

Order ID : Q2150

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2150-01
Q2150-02
Q2150-03
Q2150-04
Q2150-05
Q2150-06
Q2150-07
Q2150-08
Q2150-09
Q2150-10

Client Sample Number

TP-44
TP-42
TP-39
TP-48
TP-47
TP-50
TP-51
TP-52
TP-54
TP-53

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: 6/4/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 #: Q2150

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: PRADIP PRAJAPATI

Date: 06/04/2025

LAB CHRONICLE

OrderID:	Q2150	OrderDate:	5/28/2025 3:53:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	TP-44	SOIL	VOC-TCLVOA-10	8260D	05/27/25		05/29/25	05/28/25
Q2150-02	TP-42	SOIL	VOC-TCLVOA-10	8260D	05/27/25		06/02/25	05/28/25
Q2150-03	TP-39	SOIL	VOC-TCLVOA-10	8260D	05/27/25		05/29/25	05/28/25
Q2150-04	TP-48	SOIL	VOC-TCLVOA-10	8260D	05/27/25		05/29/25	05/28/25
Q2150-05	TP-47	SOIL	VOC-TCLVOA-10	8260D	05/27/25		05/29/25	05/28/25
Q2150-05RE	TP-47RE	SOIL	VOC-TCLVOA-10	8260D	05/27/25		06/02/25	05/28/25
Q2150-06	TP-50	SOIL	VOC-TCLVOA-10	8260D	05/27/25		05/29/25	05/28/25
Q2150-07	TP-51	SOIL	VOC-TCLVOA-10	8260D	05/27/25		05/29/25	05/28/25
Q2150-08	TP-52	SOIL	VOC-TCLVOA-10	8260D	05/28/25		05/29/25	05/28/25
Q2150-09	TP-54	SOIL	VOC-TCLVOA-10	8260D	05/28/25		05/29/25	05/28/25
Q2150-10	TP-53	SOIL	VOC-TCLVOA-10	8260D	05/28/25		05/29/25	05/28/25

Hit Summary Sheet
SW-846

SDG No.: Q2150
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	TP-44							
Q2150-01	TP-44	SOIL	Acetone	16.9	J	4.10	21.6	ug/Kg
			Total Voc :	16.9				
Q2150-01	TP-44	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	6.70	J	0	0	ug/Kg
			Total Tics :	6.70				
			Total Concentration:	23.6				
Client ID:	TP-42							
Q2150-02	TP-42	SOIL	Acetone	20.9	J	4.20	22.2	ug/Kg
			Total Voc :	20.9				
Q2150-02	TP-42	SOIL	Tert butyl alcohol *	18.4	J	12.2	22.2	ug/Kg
			Total Tics :	18.4				
			Total Concentration:	39.3				
Client ID:	TP-39							
Q2150-03	TP-39	SOIL	Acetone	14.1	J	3.90	20.6	ug/Kg
Q2150-03	TP-39	SOIL	Benzene	7.20		0.65	4.10	ug/Kg
			Total Voc :	21.3				
			Total Concentration:	21.3				
Client ID:	TP-48							
Q2150-04	TP-48	SOIL	Acetone	13.1	J	4.50	23.8	ug/Kg
			Total Voc :	13.1				
			Total Concentration:	13.1				
Client ID:	TP-47							
Q2150-05	TP-47	SOIL	1-Methyldecylamine *	28.7	J	0	0	ug/Kg
			Total Tics :	28.7				
			Total Concentration:	28.7				
Client ID:	TP-51							
Q2150-07	TP-51	SOIL	Acetone	48.0		3.80	19.8	ug/Kg
Q2150-07	TP-51	SOIL	Methylene Chloride	3.10	J	2.80	7.90	ug/Kg
Q2150-07	TP-51	SOIL	2-Butanone	9.10	J	5.20	19.8	ug/Kg
Q2150-07	TP-51	SOIL	Benzene	2.80	J	0.63	4.00	ug/Kg
Q2150-07	TP-51	SOIL	m/p-Xylenes	1.20	J	0.98	7.90	ug/Kg
Q2150-07	TP-51	SOIL	Isopropylbenzene	2.90	J	0.62	4.00	ug/Kg
			Total Voc :	67.1				
Q2150-07	TP-51	SOIL	Benzene, 1-ethyl-2-methyl- *	4.50	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	Bi-2-cyclohexen-1-yl *	5.30	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	Salicylic acid, 2TMS derivative *	7.00	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	Pentacyclo[6.3.1.0(2,7).0(3,5).0(4,8)]octa-2,4,6-triene *	5.00	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	7.00	J	0	0	ug/Kg
			Total Tics :	28.8				

Hit Summary Sheet
SW-846

SDG No.: Q2150

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				95.9				
Client ID: Q2150-09	TP-54 TP-54	SOIL	Acetone	21.8		3.60	19.0	ug/Kg
Total Voc :				21.8				
Q2150-09	TP-54	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	6.00	J	0	0	ug/Kg
Total Tics :				6.00				
Total Concentration:				27.8				
Client ID: Q2150-10	TP-53 TP-53	SOIL	Methylene Chloride	2.80	J	2.70	7.50	ug/Kg
Total Voc :				2.80				
Total Concentration:				2.80				



QC SUMMARY

Surrogate Summary

SDG No.: **Q2150**

Client: **CDM Smith**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2150-01	TP-44	1,2-Dichloroethane-d4	50	52.9	106	63	155
		Dibromofluoromethane	50	51.4	103	70	134
		Toluene-d8	50	49.3	99	74	123
		4-Bromofluorobenzene	50	37.6	75	17	146
Q2150-02	TP-42	1,2-Dichloroethane-d4	50	54.6	109	63	155
		Dibromofluoromethane	50	51.8	104	70	134
		Toluene-d8	50	50.1	100	74	123
		4-Bromofluorobenzene	50	41.7	83	17	146
Q2150-03	TP-39	1,2-Dichloroethane-d4	50	48.3	97	63	155
		Dibromofluoromethane	50	49.9	100	70	134
		Toluene-d8	50	49.8	100	74	123
		4-Bromofluorobenzene	50	37.8	76	17	146
Q2150-04	TP-48	1,2-Dichloroethane-d4	50	59.1	118	63	155
		Dibromofluoromethane	50	52.7	105	70	134
		Toluene-d8	50	50.5	101	74	123
		4-Bromofluorobenzene	50	43.0	86	17	146
Q2150-05	TP-47	1,2-Dichloroethane-d4	50	31.9	64	63	155
		Dibromofluoromethane	50	32.5	65 *	70	134
		Toluene-d8	50	43.4	87	74	123
		4-Bromofluorobenzene	50	20.5	41	17	146
Q2150-05RE	TP-47RE	1,2-Dichloroethane-d4	50	54.9	110	63	155
		Dibromofluoromethane	50	52.9	106	70	134
		Toluene-d8	50	47.0	94	74	123
		4-Bromofluorobenzene	50	34.8	70	17	146
Q2150-06	TP-50	1,2-Dichloroethane-d4	50	54.1	108	63	155
		Dibromofluoromethane	50	51.2	102	70	134
		Toluene-d8	50	49.2	98	74	123
		4-Bromofluorobenzene	50	36.1	72	17	146
Q2150-07	TP-51	1,2-Dichloroethane-d4	50	55.4	111	63	155
		Dibromofluoromethane	50	52.4	105	70	134
		Toluene-d8	50	49.6	99	74	123
		4-Bromofluorobenzene	50	35.0	70	17	146
Q2150-08	TP-52	1,2-Dichloroethane-d4	50	51.7	103	63	155
		Dibromofluoromethane	50	51.3	103	70	134
		Toluene-d8	50	50.0	100	74	123
		4-Bromofluorobenzene	50	38.8	78	17	146
Q2150-09	TP-54	1,2-Dichloroethane-d4	50	52.6	105	63	155
		Dibromofluoromethane	50	50.7	101	70	134
		Toluene-d8	50	50.4	101	74	123
		4-Bromofluorobenzene	50	39.7	79	17	146
Q2150-10	TP-53	1,2-Dichloroethane-d4	50	52.7	105	63	155
		Dibromofluoromethane	50	51.1	102	70	134
		Toluene-d8	50	49.9	100	74	123
		4-Bromofluorobenzene	50	41.6	83	17	146
VY0529SBL01	VY0529SBL01	1,2-Dichloroethane-d4	50	53.3	107	63	155
		Dibromofluoromethane	50	50.8	102	70	134
		Toluene-d8	50	50.1	100	74	123
		4-Bromofluorobenzene	50	40.9	82	17	146
VY0529SBS01	VY0529SBS01	1,2-Dichloroethane-d4	50	53.5	107	63	155
		Dibromofluoromethane	50	49.6	99	70	134

Surrogate Summary

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VY0529SBS01	VY0529SBS01	Toluene-d8	50	49.6	99	74	123
		4-Bromofluorobenzene	50	48.2	96	17	146
VY0529SBSD01	VY0529SBSD01	1,2-Dichloroethane-d4	50	55.1	110	63	155
		Dibromofluoromethane	50	52.5	105	70	134
		Toluene-d8	50	51.6	103	74	123
		4-Bromofluorobenzene	50	49.9	100	17	146
VY0602SBL02	VY0602SBL02	1,2-Dichloroethane-d4	50	53.2	106	63	155
		Dibromofluoromethane	50	51.0	102	70	134
		Toluene-d8	50	49.7	99	74	123
		4-Bromofluorobenzene	50	42.8	86	17	146
VY0602SBS01	VY0602SBS01	1,2-Dichloroethane-d4	50	50.8	102	63	155
		Dibromofluoromethane	50	51.6	103	70	134
		Toluene-d8	50	51.9	104	74	123
		4-Bromofluorobenzene	50	50.8	101	17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022455.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0529SBS01	Dichlorodifluoromethane	20	22.5	ug/Kg	113			64	136	
	Chloromethane	20	26.3	ug/Kg	132			52	151	
	Vinyl chloride	20	23.7	ug/Kg	119			56	148	
	Bromomethane	20	28.0	ug/Kg	140			58	141	
	Chloroethane	20	26.5	ug/Kg	133		*	69	130	
	Trichlorofluoromethane	20	24.0	ug/Kg	120			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/Kg	107			81	123	
	1,1-Dichloroethene	20	21.3	ug/Kg	106			79	121	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	20.9	ug/Kg	104			59	130	
	Methyl tert-butyl Ether	20	22.3	ug/Kg	112			77	129	
	Methyl Acetate	20	22.9	ug/Kg	115			69	149	
	Methylene Chloride	20	20.9	ug/Kg	104			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			82	123	
	Cyclohexane	20	20.8	ug/Kg	104			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.1	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			82	123	
	Bromochloromethane	20	22.4	ug/Kg	112			80	127	
	Chloroform	20	21.8	ug/Kg	109			82	125	
	1,1,1-Trichloroethane	20	21.4	ug/Kg	107			80	126	
	Methylcyclohexane	20	20.3	ug/Kg	102			77	123	
	Benzene	20	20.8	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	21.6	ug/Kg	108			81	126	
	Trichloroethene	20	20.5	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			83	122	
	Bromodichloromethane	20	20.9	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106			78	124	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	21.1	ug/Kg	106			79	125	
	1,2-Dibromoethane	20	21.3	ug/Kg	106			80	125	
	Tetrachloroethene	20	20.9	ug/Kg	104			83	125	
	Chlorobenzene	20	20.1	ug/Kg	101			84	122	
	Ethyl Benzene	20	19.7	ug/Kg	99			82	124	
	m/p-Xylenes	40	39.0	ug/Kg	98			83	124	
	o-Xylene	20	19.9	ug/Kg	100			83	123	
	Styrene	20	20.1	ug/Kg	101			82	124	
	Bromoform	20	21.4	ug/Kg	107			75	127	
	Isopropylbenzene	20	19.8	ug/Kg	99			82	124	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			77	127	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			83	122	
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99			84	121	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022455.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0529SBS01	1,2-Dibromo-3-Chloropropane	20	22.9	ug/Kg	115			66	134	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			78	127	
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022456.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0529SBSD01	Dichlorodifluoromethane	20	23.4	ug/Kg	117	3		64	136	20
	Chloromethane	20	26.4	ug/Kg	132	0		52	151	20
	Vinyl chloride	20	24.5	ug/Kg	123	3		56	148	20
	Bromomethane	20	28.8	ug/Kg	144	3	*	58	141	20
	Chloroethane	20	27.0	ug/Kg	135	1	*	69	130	20
	Trichlorofluoromethane	20	25.3	ug/Kg	127	6		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106	1		81	123	20
	1,1-Dichloroethene	20	22.1	ug/Kg	111	5		79	121	20
	Acetone	100	120	ug/Kg	120	9		40	171	20
	Carbon disulfide	20	21.6	ug/Kg	108	4		59	130	20
	Methyl tert-butyl Ether	20	23.0	ug/Kg	115	3		77	129	20
	Methyl Acetate	20	25.2	ug/Kg	126	9		69	149	20
	Methylene Chloride	20	21.4	ug/Kg	107	3		72	131	20
	trans-1,2-Dichloroethene	20	21.9	ug/Kg	110	6		80	123	20
	1,1-Dichloroethane	20	22.8	ug/Kg	114	5		82	123	20
	Cyclohexane	20	20.7	ug/Kg	104	0		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	20.5	ug/Kg	103	2		76	129	20
	cis-1,2-Dichloroethene	20	21.9	ug/Kg	110	4		82	123	20
	Bromochloromethane	20	22.0	ug/Kg	110	2		80	127	20
	Chloroform	20	22.8	ug/Kg	114	4		82	125	20
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108	1		80	126	20
	Methylcyclohexane	20	20.0	ug/Kg	100	2		77	123	20
	Benzene	20	21.4	ug/Kg	107	3		84	121	20
	1,2-Dichloroethane	20	21.9	ug/Kg	110	2		81	126	20
	Trichloroethene	20	20.9	ug/Kg	104	1		83	122	20
	1,2-Dichloropropane	20	21.9	ug/Kg	110	4		83	122	20
	Bromodichloromethane	20	21.5	ug/Kg	108	4		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	20
	Toluene	20	20.6	ug/Kg	103	2		83	122	20
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106	0		78	124	20
	cis-1,3-Dichloropropene	20	21.2	ug/Kg	106	2		81	122	20
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106	0		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	21.1	ug/Kg	106	0		79	125	20
	1,2-Dibromoethane	20	21.6	ug/Kg	108	2		80	125	20
	Tetrachloroethene	20	20.9	ug/Kg	104	0		83	125	20
	Chlorobenzene	20	20.9	ug/Kg	104	3		84	122	20
	Ethyl Benzene	20	20.2	ug/Kg	101	2		82	124	20
	m/p-Xylenes	40	40.0	ug/Kg	100	2		83	124	20
	o-Xylene	20	20.3	ug/Kg	102	2		83	123	20
	Styrene	20	20.4	ug/Kg	102	1		82	124	20
	Bromoform	20	20.9	ug/Kg	104	3		75	127	20
	Isopropylbenzene	20	20.4	ug/Kg	102	3		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	3		77	127	20
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103	6		83	122	20
	1,4-Dichlorobenzene	20	21.2	ug/Kg	106	7		84	121	20
	1,2-Dichlorobenzene	20	21.1	ug/Kg	106	4		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022456.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0529SBSD01	1,2-Dibromo-3-Chloropropane	20	22.3	ug/Kg	112	3		66	134	20
	1,2,4-Trichlorobenzene	20	21.7	ug/Kg	109	10		78	127	20
	1,2,3-Trichlorobenzene	20	22.0	ug/Kg	110	7		70	137	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022500.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0602SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			64	136	
	Chloromethane	20	19.1	ug/Kg	96			52	151	
	Vinyl chloride	20	20.5	ug/Kg	103			56	148	
	Bromomethane	20	21.8	ug/Kg	109			58	141	
	Chloroethane	20	20.8	ug/Kg	104			69	130	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			79	121	
	Acetone	100	87.0	ug/Kg	87			40	171	
	Carbon disulfide	20	20.3	ug/Kg	102			59	130	
	Methyl tert-butyl Ether	20	20.5	ug/Kg	103			77	129	
	Methyl Acetate	20	21.6	ug/Kg	108			69	149	
	Methylene Chloride	20	19.1	ug/Kg	96			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	20.6	ug/Kg	103			82	123	
	Cyclohexane	20	20.2	ug/Kg	101			76	122	
	2-Butanone	100	96.6	ug/Kg	97			69	131	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104			82	123	
	Bromochloromethane	20	20.1	ug/Kg	101			80	127	
	Chloroform	20	21.0	ug/Kg	105			82	125	
	1,1,1-Trichloroethane	20	21.3	ug/Kg	106			80	126	
	Methylcyclohexane	20	20.5	ug/Kg	103			77	123	
	Benzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			81	126	
	Trichloroethene	20	20.5	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	20.8	ug/Kg	104			83	122	
	Bromodichloromethane	20	21.0	ug/Kg	105			82	123	
	4-Methyl-2-Pentanone	100	98.7	ug/Kg	99			70	135	
	Toluene	20	20.0	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	19.8	ug/Kg	99			78	124	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			82	125	
	2-Hexanone	100	96.4	ug/Kg	96			66	138	
	Dibromochloromethane	20	19.9	ug/Kg	100			79	125	
	1,2-Dibromoethane	20	20.7	ug/Kg	104			80	125	
	Tetrachloroethene	20	20.8	ug/Kg	104			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	39.6	ug/Kg	99			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Styrene	20	19.4	ug/Kg	97			82	124	
	Bromoform	20	19.6	ug/Kg	98			75	127	
	Isopropylbenzene	20	19.6	ug/Kg	98			82	124	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/Kg	101			77	127	
	1,3-Dichlorobenzene	20	19.2	ug/Kg	96			83	122	
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98			84	121	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022500.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0602SBS01	1,2-Dibromo-3-Chloropropane	20	21.0	ug/Kg	105			66	134	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	21.0	ug/Kg	105			70	137	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0529SBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: VY022454.D

Lab Sample ID: VY0529SBL01

Date Analyzed: 05/29/2025

Time Analyzed: 08:56

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
VY0529SBS01	VY0529SBS01	VY022455.D	05/29/2025
VY0529SBSD01	VY0529SBSD01	VY022456.D	05/29/2025
TP-44	Q2150-01	VY022460.D	05/29/2025
TP-39	Q2150-03	VY022462.D	05/29/2025
TP-48	Q2150-04	VY022463.D	05/29/2025
TP-47	Q2150-05	VY022464.D	05/29/2025
TP-50	Q2150-06	VY022465.D	05/29/2025
TP-51	Q2150-07	VY022466.D	05/29/2025
TP-52	Q2150-08	VY022467.D	05/29/2025
TP-54	Q2150-09	VY022468.D	05/29/2025
TP-53	Q2150-10	VY022469.D	05/29/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0602SBL02

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: VY022499.D

Lab Sample ID: VY0602SBL02

Date Analyzed: 06/02/2025

Time Analyzed: 16:00

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0602SBS01	VY0602SBS01	VY022500.D	06/02/2025
TP-42	Q2150-02	VY022506.D	06/02/2025
TP-47RE	Q2150-05RE	VY022507.D	06/02/2025

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: CAMP02
Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150
Lab File ID: VY022420.D BFB Injection Date: 05/27/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:20
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	23.8
75	30.0 - 60.0% of mass 95	58.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	88.8
175	5.0 - 9.0% of mass 174	6.7 (7.6) 1
176	95.0 - 101.0% of mass 174	85.7 (96.4) 1
177	5.0 - 9.0% of mass 176	5.5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY022421.D	05/27/2025	08:50
VSTDIC010	VSTDIC010	VY022422.D	05/27/2025	09:14
VSTDIC020	VSTDIC020	VY022423.D	05/27/2025	09:36
VSTDIC050	VSTDIC050	VY022424.D	05/27/2025	09:59
VSTDIC100	VSTDIC100	VY022425.D	05/27/2025	10:22
VSTDIC150	VSTDIC150	VY022426.D	05/27/2025	10:44



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150
Lab File ID: VY022452.D BFB Injection Date: 05/29/2025
Instrument ID: MSVOA_Y BFB Injection Time: 07:54
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	24.8
75	30.0 - 60.0% of mass 95	59.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.4 (7.7) 1
176	95.0 - 101.0% of mass 174	79.3 (95.6) 1
177	5.0 - 9.0% of mass 176	5.6 (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	VY022453.D	05/29/2025	08:23
VY0529SBL01	VY0529SBL01	VY022454.D	05/29/2025	08:56
VY0529SBS01	VY0529SBS01	VY022455.D	05/29/2025	09:27
VY0529SBSD01	VY0529SBSD01	VY022456.D	05/29/2025	09:50
TP-44	Q2150-01	VY022460.D	05/29/2025	12:25
TP-39	Q2150-03	VY022462.D	05/29/2025	13:12
TP-48	Q2150-04	VY022463.D	05/29/2025	13:36
TP-47	Q2150-05	VY022464.D	05/29/2025	13:59
TP-50	Q2150-06	VY022465.D	05/29/2025	14:22
TP-51	Q2150-07	VY022466.D	05/29/2025	14:46
TP-52	Q2150-08	VY022467.D	05/29/2025	15:09
TP-54	Q2150-09	VY022468.D	05/29/2025	15:33
TP-53	Q2150-10	VY022469.D	05/29/2025	15:56



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150
Lab File ID: VY022488.D BFB Injection Date: 06/02/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:31
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	25.6
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.5 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY022491.D	06/02/2025	11:46
VSTDIC010	VSTDIC010	VY022492.D	06/02/2025	12:09
VSTDIC020	VSTDIC020	VY022493.D	06/02/2025	12:32
VSTDIC050	VSTDIC050	VY022494.D	06/02/2025	12:54
VSTDIC100	VSTDIC100	VY022495.D	06/02/2025	13:17
VSTDIC150	VSTDIC150	VY022496.D	06/02/2025	13:39
VY0602SBL02	VY0602SBL02	VY022499.D	06/02/2025	16:00
VY0602SBS01	VY0602SBS01	VY022500.D	06/02/2025	16:24
TP-42	Q2150-02	VY022506.D	06/02/2025	18:44
TP-47RE	Q2150-05RE	VY022507.D	06/02/2025	19:08

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150
 Lab File ID: VY022453.D Date Analyzed: 05/29/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:23
 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	217073	7.72	367403	8.62	311885	11.42
UPPER LIMIT	434146	8.219	734806	9.122	623770	11.92
LOWER LIMIT	108537	7.219	183702	8.122	155943	10.92
EPA SAMPLE NO.						
TP-44	284770	7.71	525823	8.62	402756	11.42
TP-39	305036	7.71	550366	8.62	413432	11.42
TP-48	278545	7.72	518246	8.62	419041	11.42
TP-47	18571 *	7.72	25910 *	8.62	13686 *	11.42
TP-50	284911	7.71	538977	8.62	400662	11.42
TP-51	266889	7.71	485834	8.62	362765	11.42
TP-52	286667	7.71	522350	8.62	404746	11.42
TP-54	283443	7.71	517546	8.62	406523	11.41
TP-53	273493	7.71	503324	8.62	399677	11.41
VY0529SBL01	320837	7.72	584950	8.62	455837	11.43
VY0529SBS01	217849	7.72	376540	8.62	319754	11.42
VY0529SBSD01	205776	7.71	359832	8.62	305847	11.42

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150
 Lab File ID: VY022453.D Date Analyzed: 05/29/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:23
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	144539	13.353				
UPPER LIMIT	289078	13.853				
LOWER LIMIT	72269.5	12.853				
EPA SAMPLE NO.						
TP-44	123686	13.35				
TP-39	137454	13.35				
TP-48	155769	13.35				
TP-47	2224 *	13.35				
TP-50	115590	13.35				
TP-51	99703	13.35				
TP-52	132959	13.35				
TP-54	140553	13.35				
TP-53	145373	13.35				
VY0529SBL01	159461	13.35				
VY0529SBS01	148991	13.35				
VY0529SBSD01	140548	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: CAMP02
 Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150
 Lab File ID: VY022494.D Date Analyzed: 06/02/2025
 Instrument ID: MSVOA_Y Time Analyzed: 12:54
 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	209963	7.71	350947	8.62	298187	11.42
UPPER LIMIT	419926	8.213	701894	9.116	596374	11.92
LOWER LIMIT	104982	7.213	175474	8.116	149094	10.92
EPA SAMPLE NO.						
TP-42	279093	7.71	514728	8.62	411552	11.42
TP-47RE	60813 *	7.71	105433 *	8.62	78237 *	11.42
VY0602SBL02	309051	7.71	557091	8.62	442919	11.41
VY0602SBS01	201633	7.71	342745	8.62	291387	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: CAMP02
 Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150
 Lab File ID: VY022494.D Date Analyzed: 06/02/2025
 Instrument ID: MSVOA_Y Time Analyzed: 12:54
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	139554	13.347				
UPPER LIMIT	279108	13.847				
LOWER LIMIT	69777	12.847				
EPA SAMPLE NO.						
TP-42	142944	13.35				
TP-47RE	24479 *	13.35				
VY0602SBL02	162489	13.35				
VY0602SBS01	136847	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.9
Sample Wt/Vol:	7.32 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
VY022460.D	1		05/29/25 12:25	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.99	U	0.99	4.30	ug/Kg
74-87-3	Chloromethane	0.99	U	0.99	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.30	ug/Kg
74-83-9	Bromomethane	0.93	UQ	0.93	4.30	ug/Kg
75-00-3	Chloroethane	1.10	UQ	1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.87	U	0.87	4.30	ug/Kg
67-64-1	Acetone	16.9	J	4.10	21.6	ug/Kg
75-15-0	Carbon Disulfide	0.92	U	0.92	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.30	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.30	ug/Kg
75-09-2	Methylene Chloride	3.10	U	3.10	8.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	4.30	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	4.30	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	21.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	4.30	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.30	ug/Kg
67-66-3	Chloroform	0.73	U	0.73	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.81	U	0.81	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	4.30	ug/Kg
71-43-2	Benzene	0.68	U	0.68	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	4.30	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.79	U	0.79	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.68	U	0.68	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.6	ug/Kg
108-88-3	Toluene	0.68	U	0.68	4.30	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.9
Sample Wt/Vol:	7.32	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10
GC Column:	RXI-624	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022460.D	1		05/29/25 12:25	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.54	U	0.54	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	21.6	ug/Kg
124-48-1	Dibromochloromethane	0.75	U	0.75	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.76	U	0.76	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.91	U	0.91	4.30	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.70	ug/Kg
95-47-6	o-Xylene	0.71	U	0.71	4.30	ug/Kg
100-42-5	Styrene	0.61	U	0.61	4.30	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.68	U	0.68	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.80	U	2.80	4.30	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.9	63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4	70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.3	74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.6	17 - 146	75%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	285000	7.713
540-36-3	1,4-Difluorobenzene	526000	8.622
3114-55-4	Chlorobenzene-d5	403000	11.42
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.347

TENTATIVE IDENTIFIED COMPOUNDS



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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.9
Sample Wt/Vol:	7.32	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
VY022460.D	1		05/29/25 12:25	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	6.70	J		13.9	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\VY052925\
 Data File : VY022460.D
 Acq On : 29 May 2025 12:25
 Operator : SY/MD
 Sample : Q2150-01
 Misc : 7.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-44

Quant Time: May 30 05:33:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

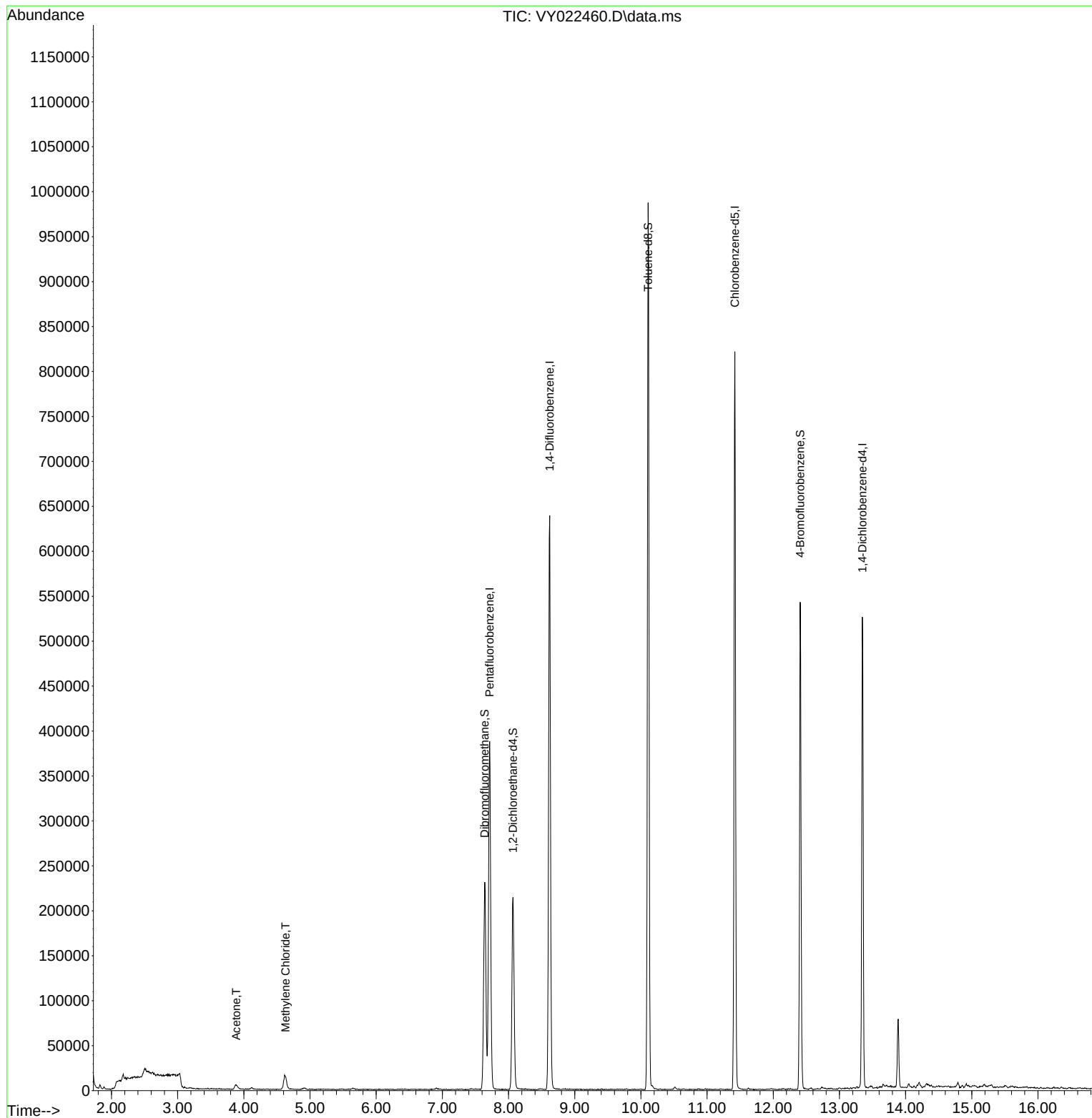
Internal Standards						
1) Pentafluorobenzene	7.713	168	284770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	525823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	402756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	123686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	158622	52.883	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.760%	
35) Dibromofluoromethane	7.640	113	158238	51.386	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.780%	
50) Toluene-d8	10.109	98	619315	49.335	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.660%	
62) 4-Bromofluorobenzene	12.408	95	142942	37.644	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 75.280%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	9644	19.566	ug/l	95
20) Methylene Chloride	4.629	84	10949	3.146	ug/l	89

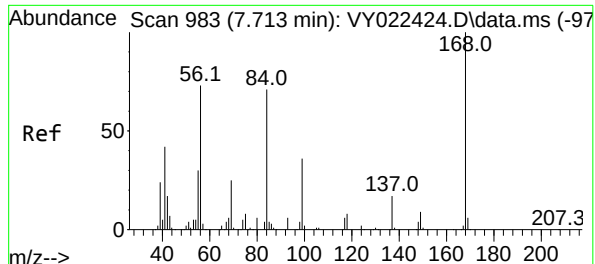
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022460.D
Acq On : 29 May 2025 12:25
Operator : SY/MD
Sample : Q2150-01
Misc : 7.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

Quant Time: May 30 05:33:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

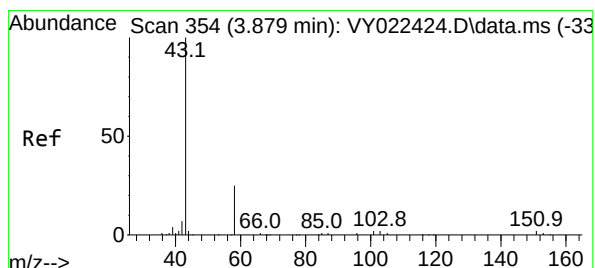
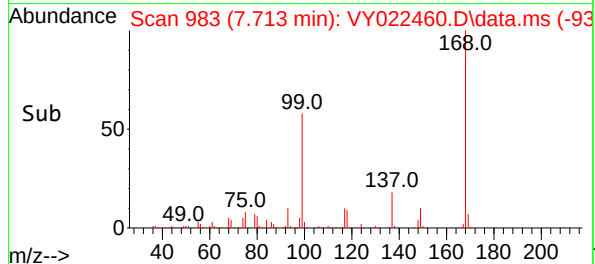
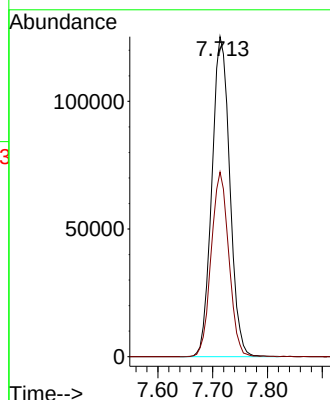
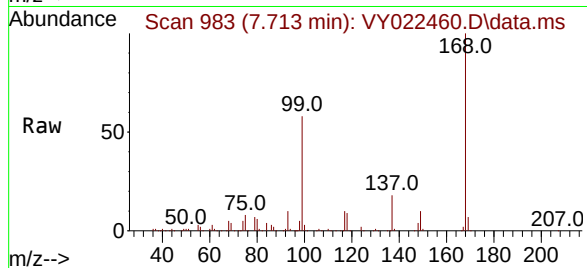




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

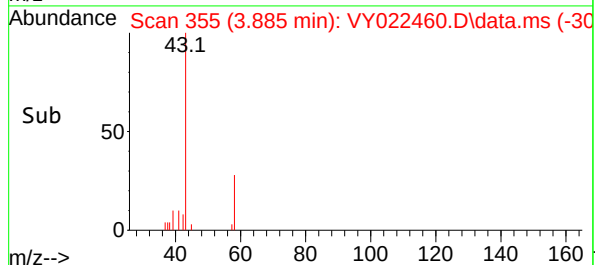
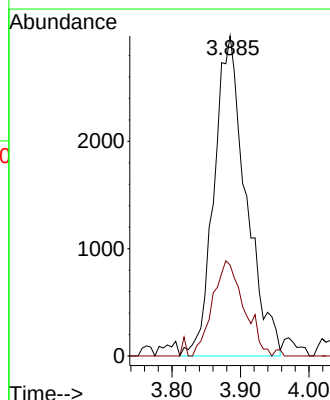
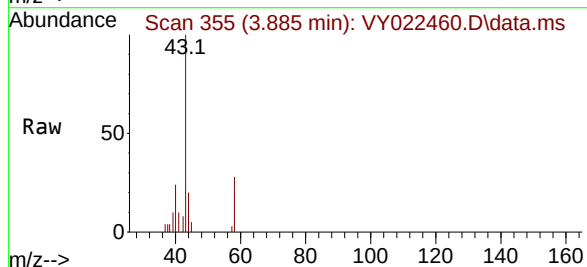
Instrument :
MSVOA_Y
ClientSampleId :
TP-44

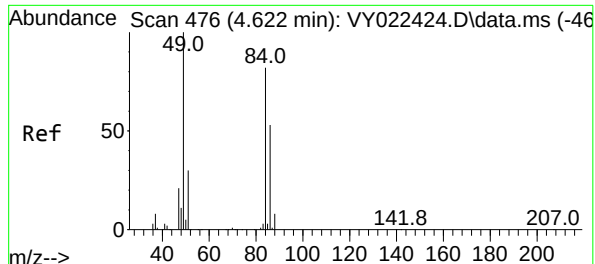
Tgt Ion:168 Resp: 284770
Ion Ratio Lower Upper
168 100
99 57.7 44.7 67.1



#16
Acetone
Concen: 19.566 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion: 43 Resp: 9644
Ion Ratio Lower Upper
43 100
58 28.4 20.6 30.8





#20

Methylene Chloride

Concen: 3.146 ug/l

RT: 4.629 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY022460.D

Acq: 29 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TP-44

Tgt Ion: 84 Resp: 10949

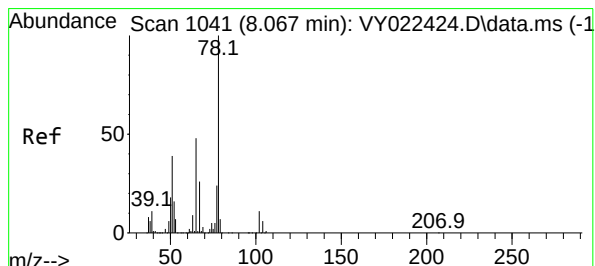
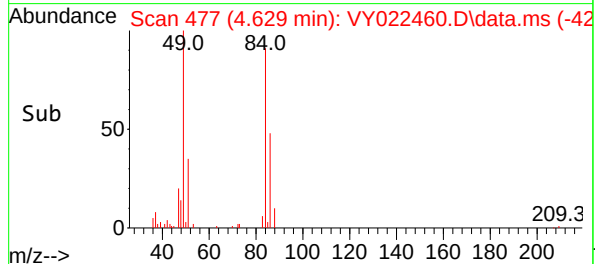
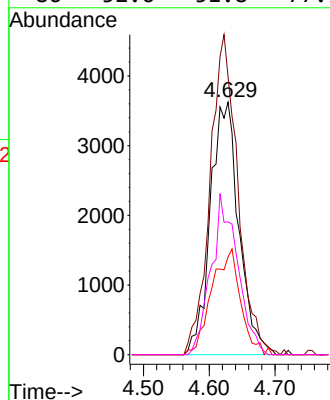
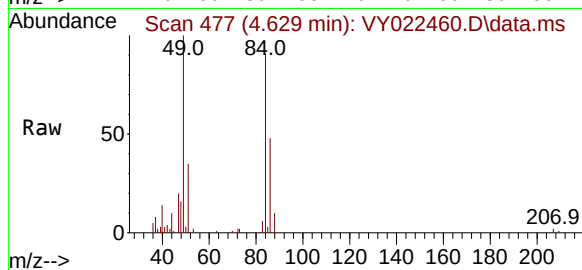
Ion Ratio Lower Upper

84 100

49 110.1 97.8 146.8

51 38.7 29.5 44.3

86 52.6 51.8 77.6



#33

1,2-Dichloroethane-d4

Concen: 52.883 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY022460.D

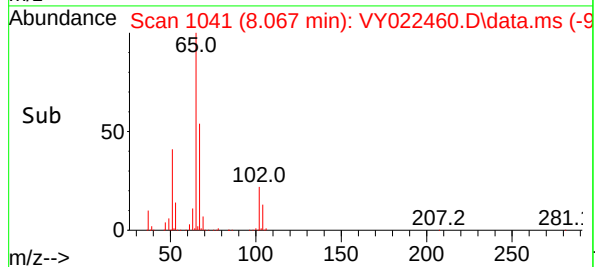
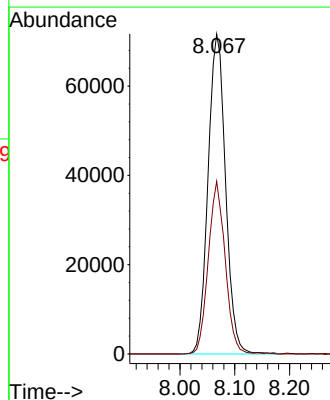
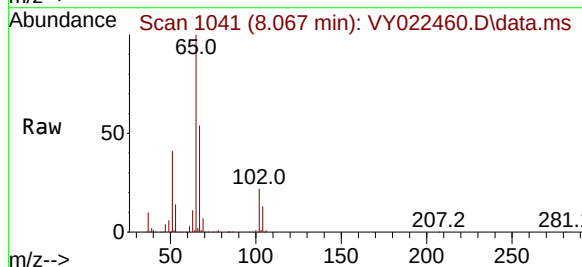
Acq: 29 May 2025 12:25

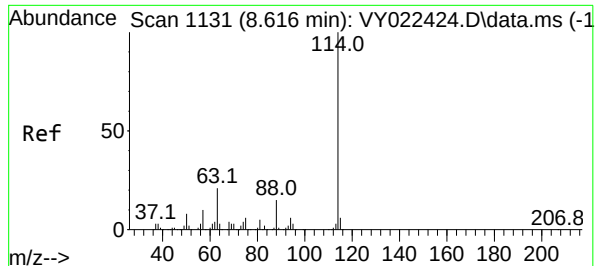
Tgt Ion: 65 Resp: 158622

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022460.D

Acq: 29 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TP-44

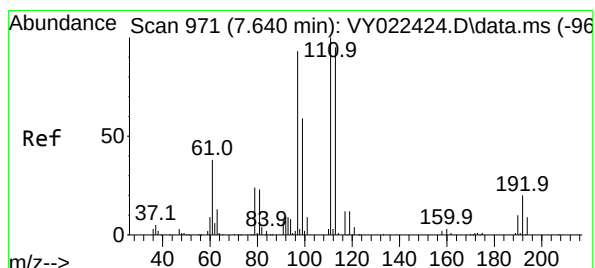
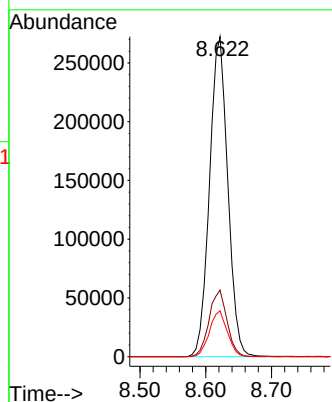
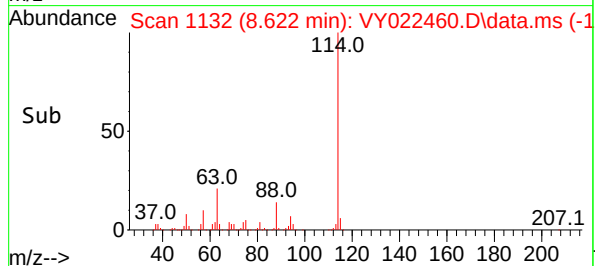
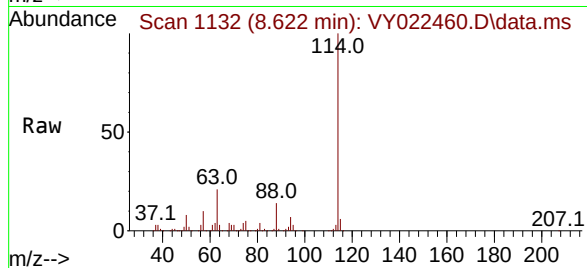
Tgt Ion:114 Resp: 525823

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 14.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.386 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY022460.D

Acq: 29 May 2025 12:25

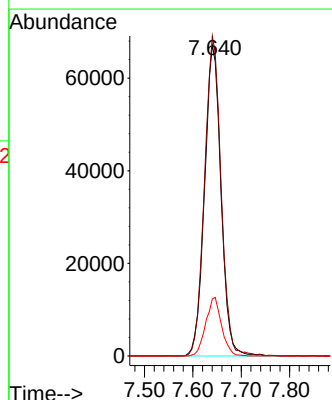
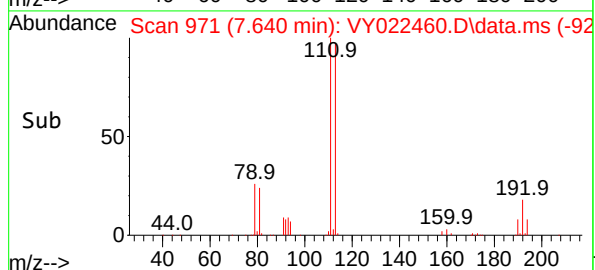
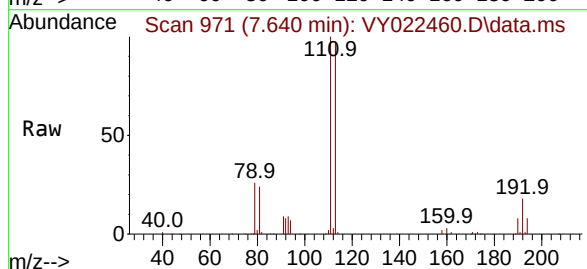
Tgt Ion:113 Resp: 158238

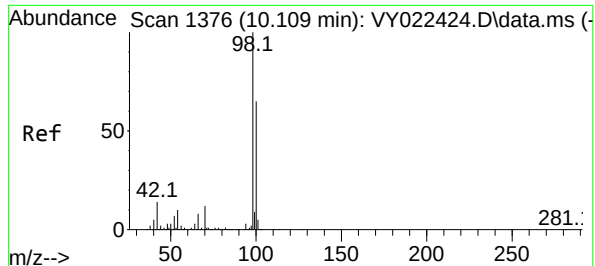
Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

192 18.2 15.2 22.8





#50

Toluene-d8

Concen: 49.335 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022460.D

Acq: 29 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

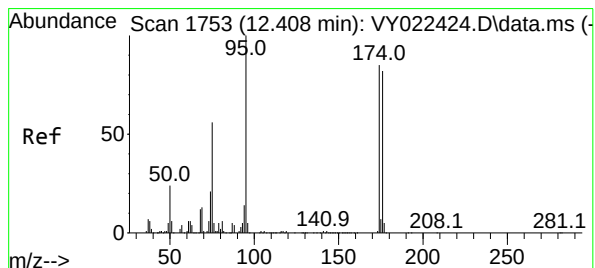
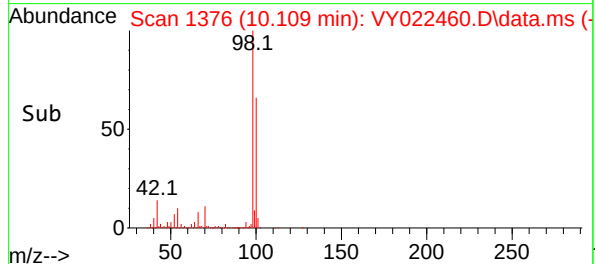
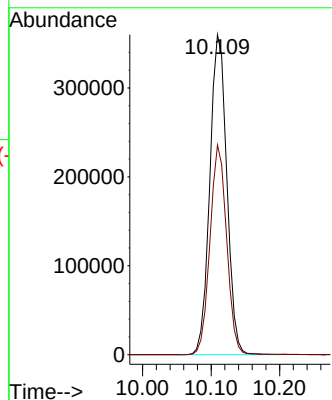
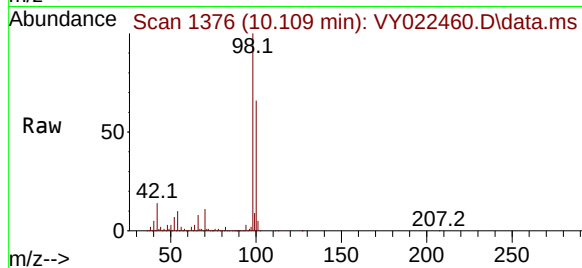
TP-44

Tgt Ion: 98 Resp: 619315

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 37.644 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022460.D

Acq: 29 May 2025 12:25

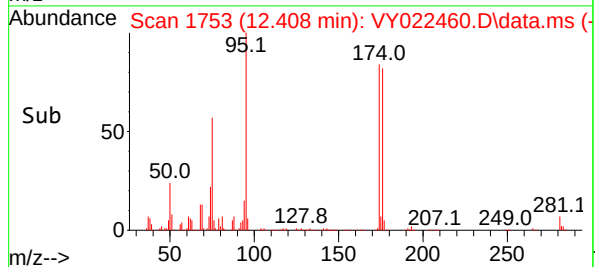
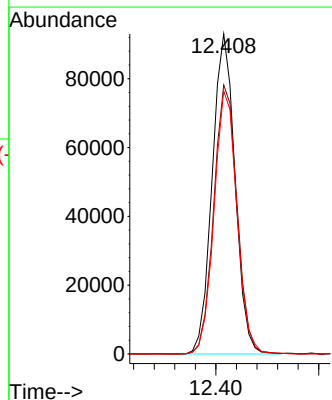
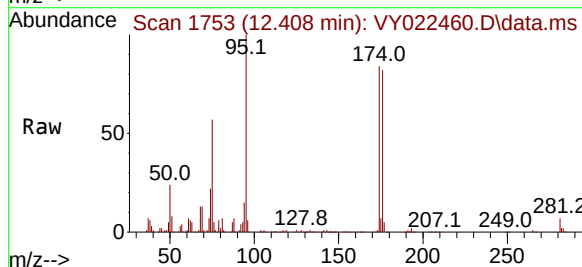
Tgt Ion: 95 Resp: 142942

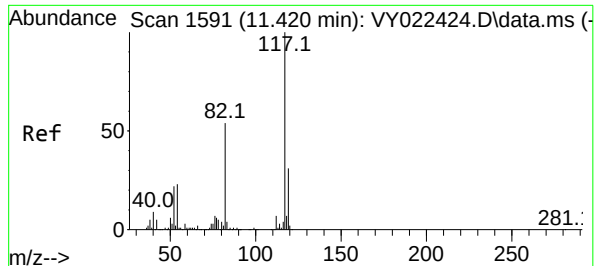
Ion Ratio Lower Upper

95 100

174 86.0 0.0 171.6

176 82.6 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022460.D

Acq: 29 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TP-44

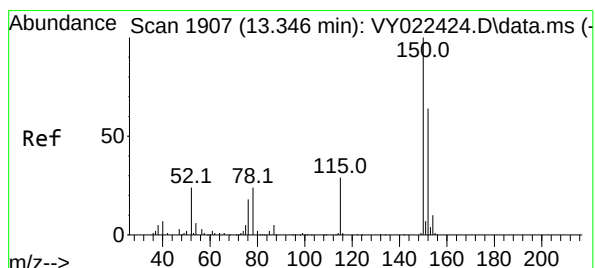
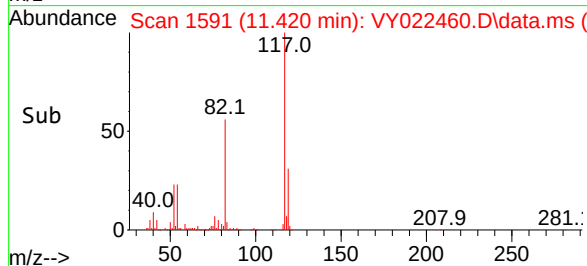
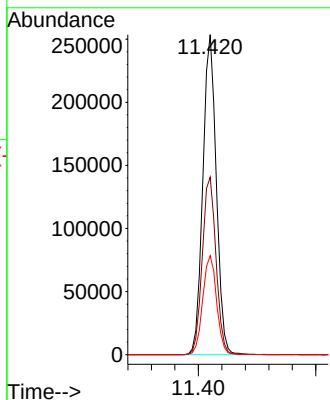
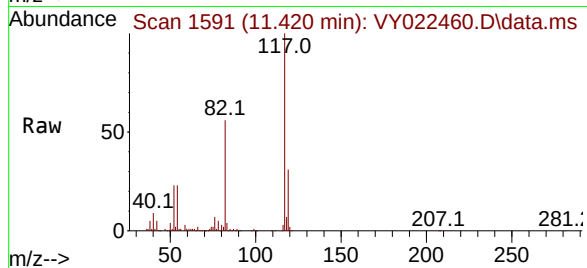
Tgt Ion:117 Resp: 402756

Ion Ratio Lower Upper

117 100

82 55.5 43.3 64.9

119 30.9 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022460.D

Acq: 29 May 2025 12:25

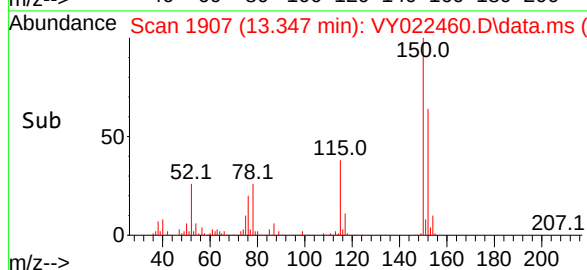
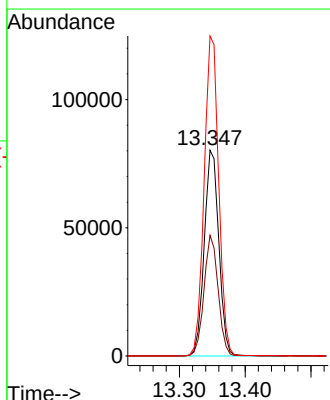
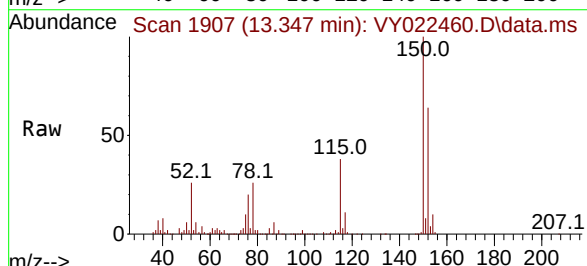
Tgt Ion:152 Resp: 123686

Ion Ratio Lower Upper

152 100

115 56.9 28.4 85.3

150 155.1 0.0 345.8



Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.52 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
VY022506.D	1		06/02/25 18:44	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.40	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	0.70	U	0.70	4.40	ug/Kg
74-83-9	Bromomethane	0.95	U	0.95	4.40	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	4.40	ug/Kg
67-64-1	Acetone	20.9	J	4.20	22.2	ug/Kg
75-15-0	Carbon Disulfide	0.94	U	0.94	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.65	U	0.65	4.40	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.40	ug/Kg
75-09-2	Methylene Chloride	3.10	U	3.10	8.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.77	U	0.77	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.71	U	0.71	4.40	ug/Kg
110-82-7	Cyclohexane	0.70	U	0.70	4.40	ug/Kg
78-93-3	2-Butanone	5.80	U	5.80	22.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.67	U	0.67	4.40	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.40	ug/Kg
67-66-3	Chloroform	0.75	U	0.75	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.83	U	0.83	4.40	ug/Kg
108-87-2	Methylcyclohexane	0.81	U	0.81	4.40	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.70	U	0.70	4.40	ug/Kg
79-01-6	Trichloroethene	0.72	U	0.72	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.81	U	0.81	4.40	ug/Kg
75-27-4	Bromodichloromethane	0.69	U	0.69	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	22.2	ug/Kg
108-88-3	Toluene	0.69	U	0.69	4.40	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.52	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
VY022506.D	1		06/02/25 18:44	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.58	U	0.58	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.55	U	0.55	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.82	U	0.82	4.40	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	22.2	ug/Kg
124-48-1	Dibromochloromethane	0.77	U	0.77	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.78	U	0.78	4.40	ug/Kg
127-18-4	Tetrachloroethene	0.93	U	0.93	4.40	ug/Kg
108-90-7	Chlorobenzene	0.81	U	0.81	4.40	ug/Kg
100-41-4	Ethyl Benzene	0.60	U	0.60	4.40	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.90	ug/Kg
95-47-6	o-Xylene	0.73	U	0.73	4.40	ug/Kg
100-42-5	Styrene	0.63	U	0.63	4.40	ug/Kg
75-25-2	Bromoform	0.77	U	0.77	4.40	ug/Kg
98-82-8	Isopropylbenzene	0.69	U	0.69	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.80	U	2.80	4.40	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	54.6	63 - 155	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8	70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.1	74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7	17 - 146	83%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	279000	7.713
540-36-3	1,4-Difluorobenzene	515000	8.616
3114-55-4	Chlorobenzene-d5	412000	11.42
3855-82-1	1,4-Dichlorobenzene-d4	143000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.52	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
VY022506.D	1		06/02/25 18:44	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
75-65-0	Tert butyl alcohol	18.4	J		4.88	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\VY060225\
 Data File : VY022506.D
 Acq On : 02 Jun 2025 18:44
 Operator : SY/MD
 Sample : Q2150-02
 Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-42

Quant Time: Jun 03 04:09:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

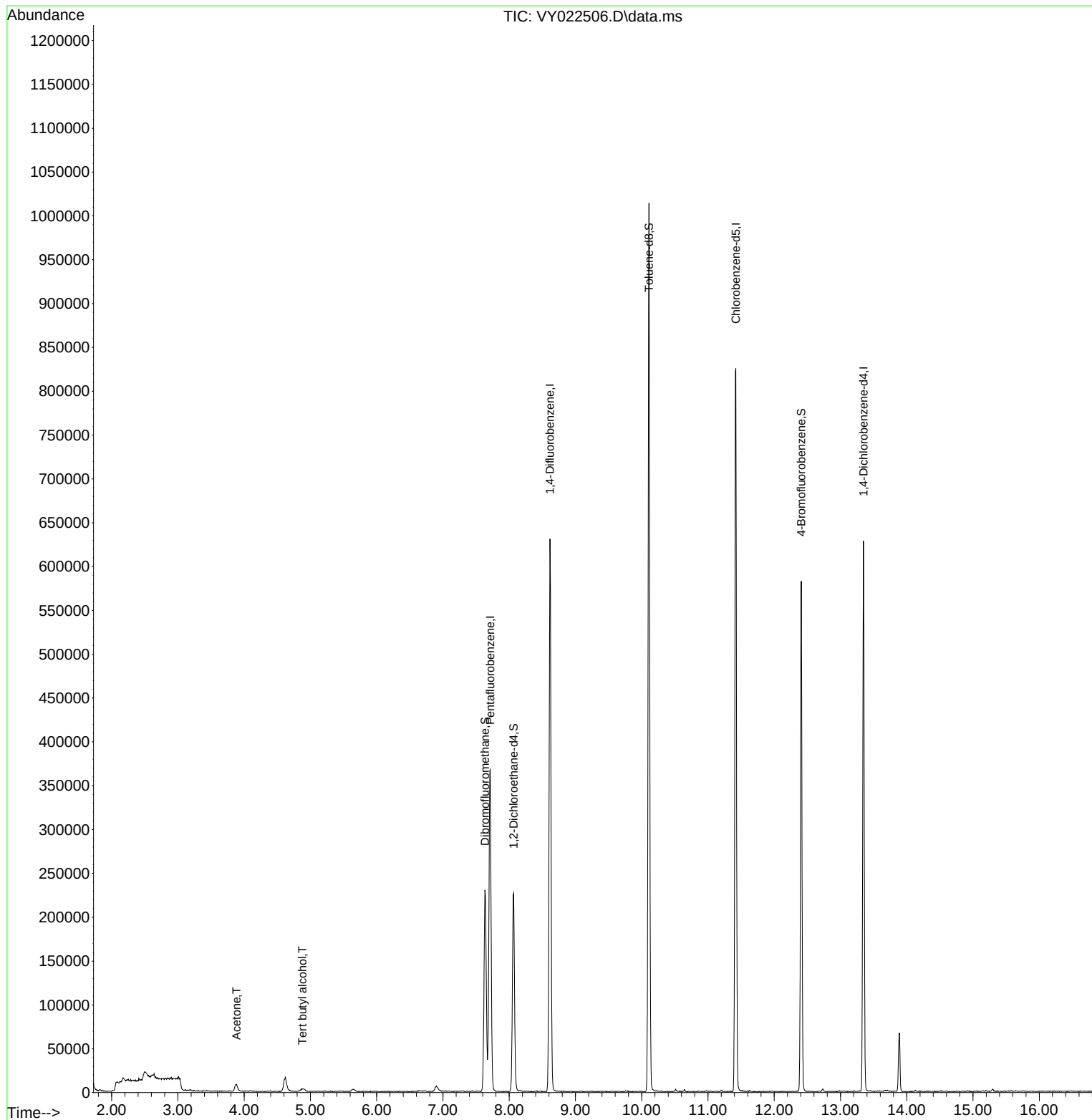
Internal Standards						
1) Pentafluorobenzene	7.713	168	279093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	514728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	411552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	142944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	170529	54.630	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 109.260%		
35) Dibromofluoromethane	7.634	113	159229	51.827	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 103.660%		
50) Toluene-d8	10.109	98	621468	50.062	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 100.120%		
62) 4-Bromofluorobenzene	12.408	95	154197	41.689	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 83.380%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.878	59	4623	20.736	ug/l	96
16) Acetone	3.885	43	14916	23.529	ug/l	99

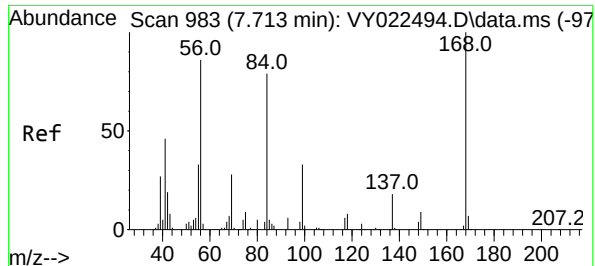
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022506.D
Acq On : 02 Jun 2025 18:44
Operator : SY/MD
Sample : Q2150-02
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

Quant Time: Jun 03 04:09:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

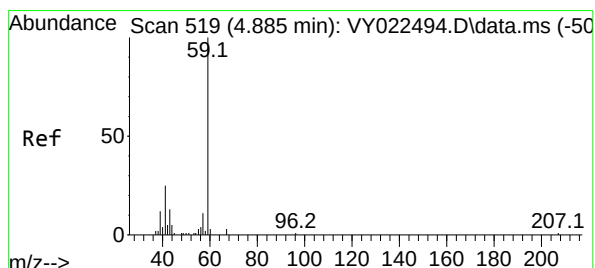
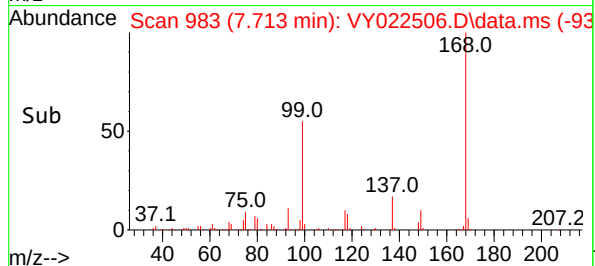
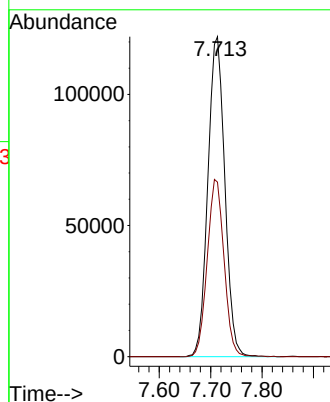
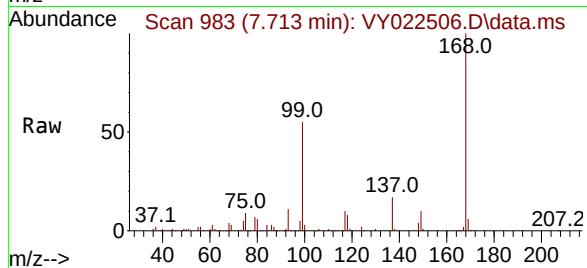




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

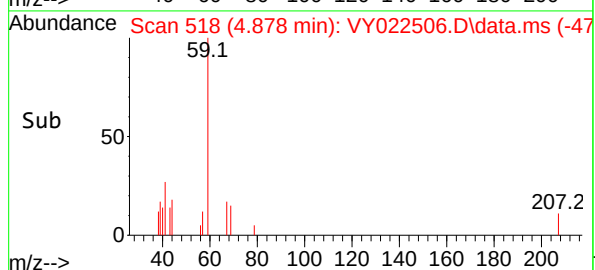
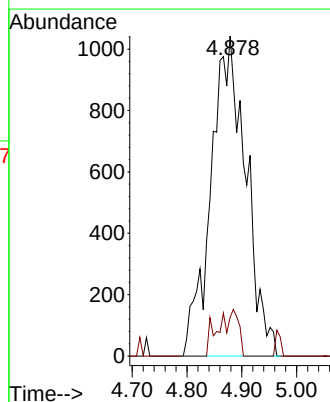
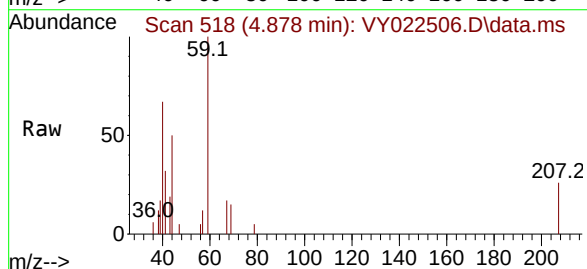
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

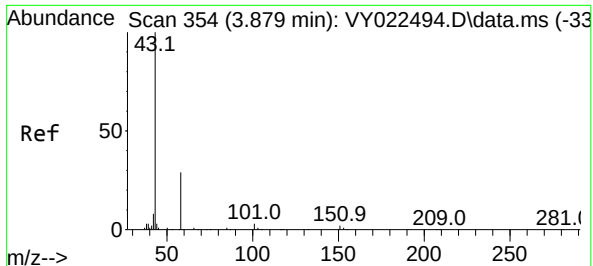
Tgt Ion:168 Resp: 279093
Ion Ratio Lower Upper
168 100
99 54.5 44.3 66.5



#11
Tert butyl alcohol
Concen: 20.736 ug/l
RT: 4.878 min Scan# 518
Delta R.T. -0.006 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Tgt Ion: 59 Resp: 4623
Ion Ratio Lower Upper
59 100
57 8.4 8.0 12.0

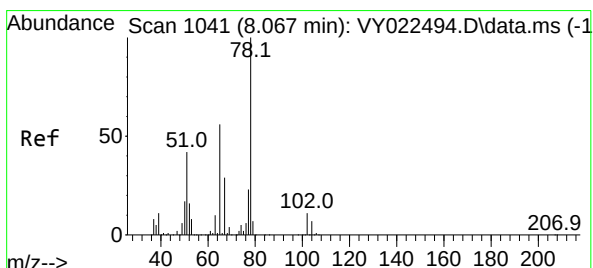
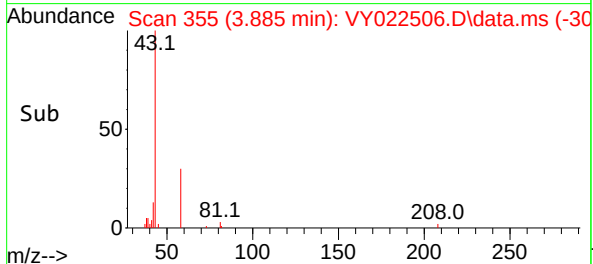
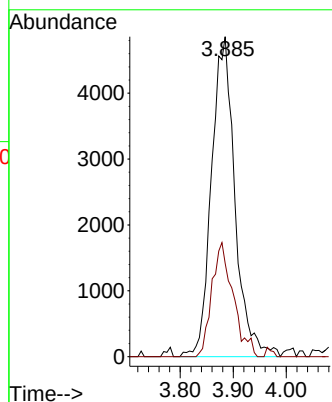
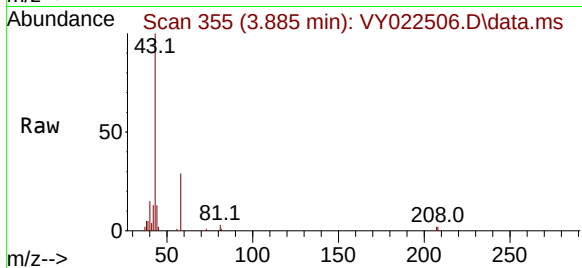




#16
Acetone
Concen: 23.529 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

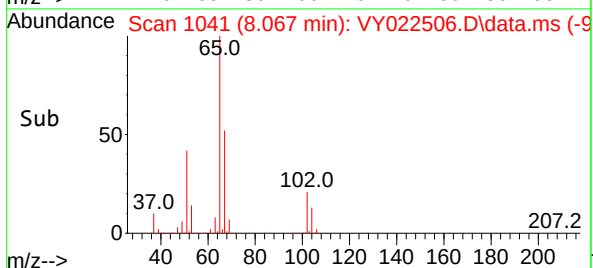
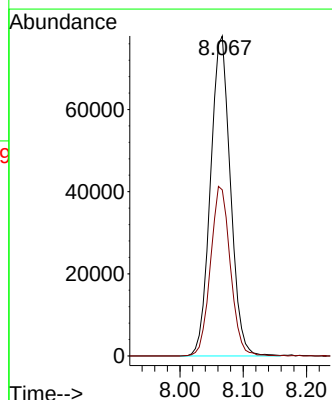
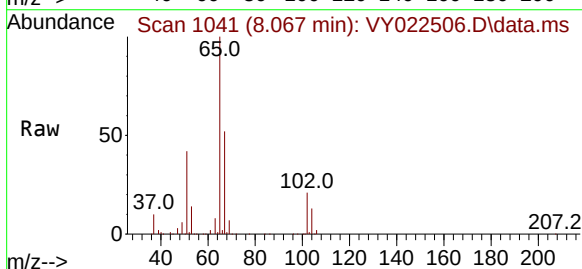
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

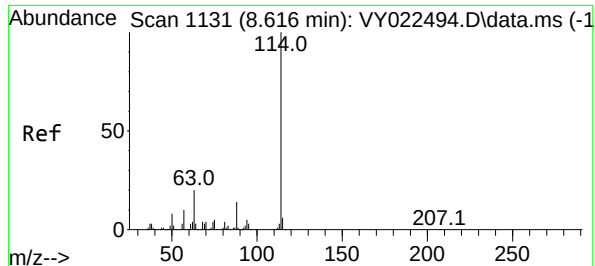
Tgt Ion: 43 Resp: 14916
Ion Ratio Lower Upper
43 100
58 29.2 24.0 36.0



#33
1,2-Dichloroethane-d4
Concen: 54.630 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Tgt Ion: 65 Resp: 170529
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022506.D

Acq: 02 Jun 2025 18:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-42

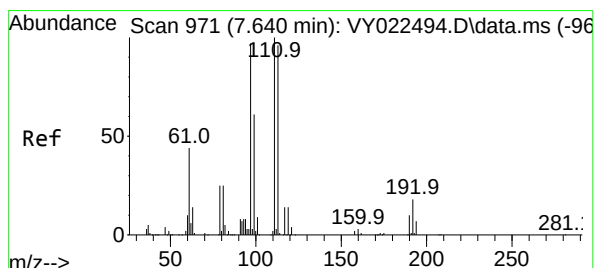
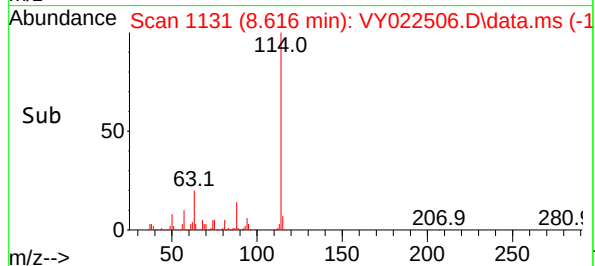
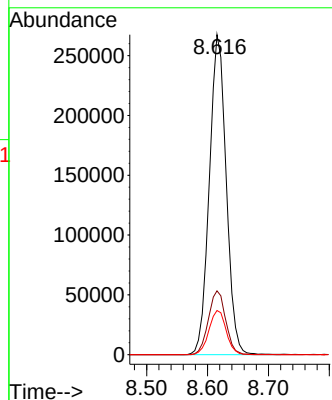
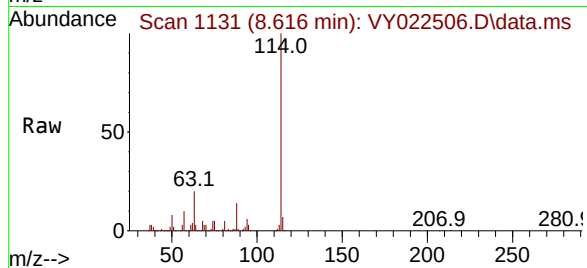
Tgt Ion:114 Resp: 514728

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 13.8 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.827 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022506.D

Acq: 02 Jun 2025 18:44

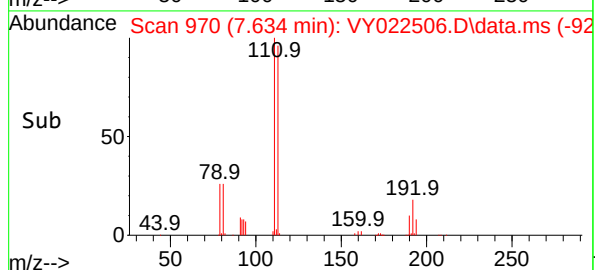
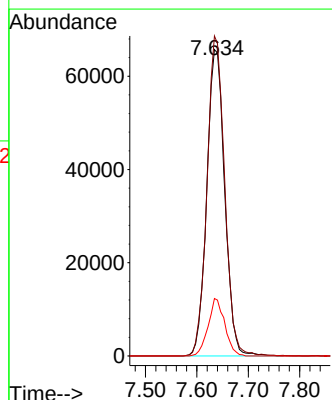
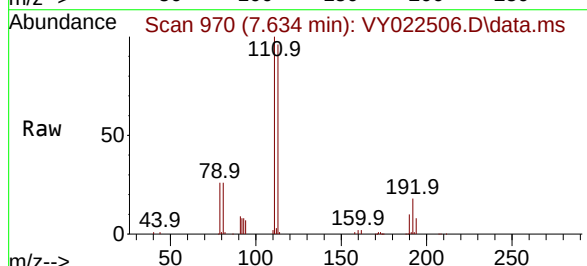
Tgt Ion:113 Resp: 159229

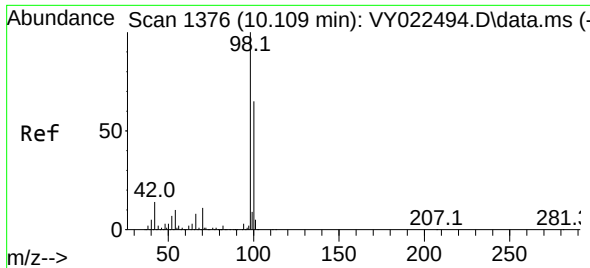
Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

192 17.4 14.2 21.2

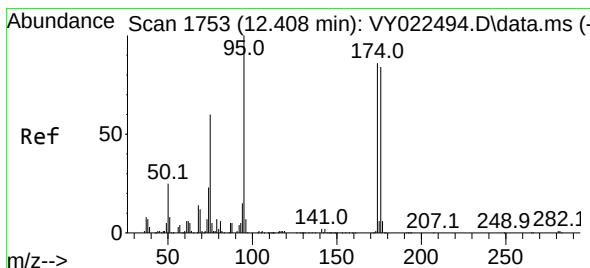
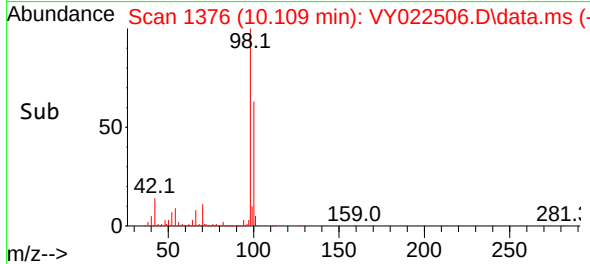
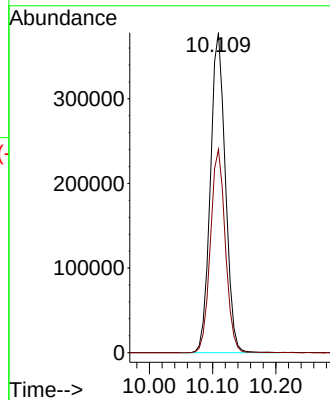
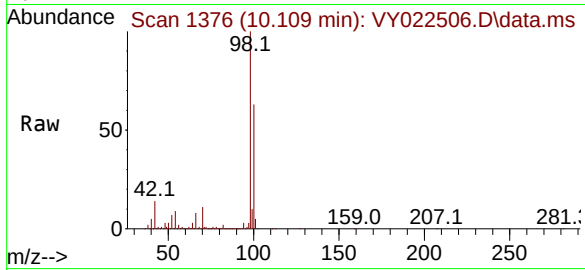




#50
Toluene-d8
Concen: 50.062 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

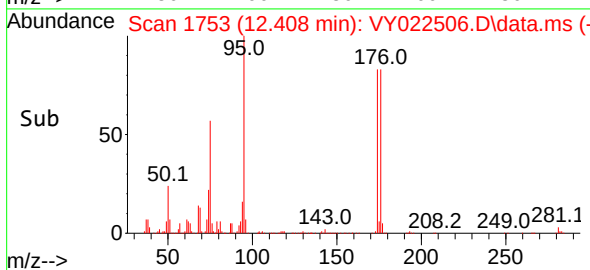
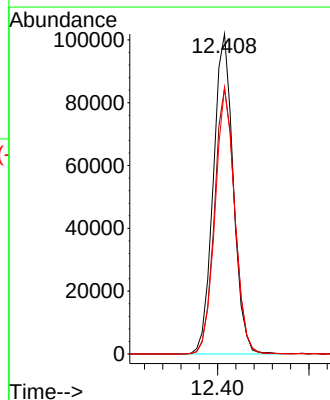
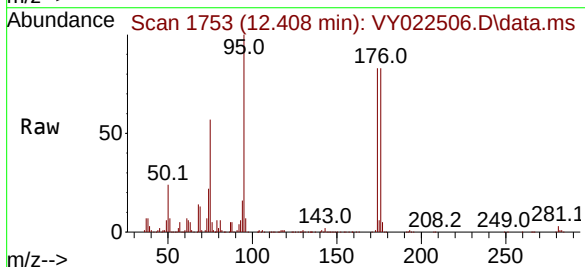
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

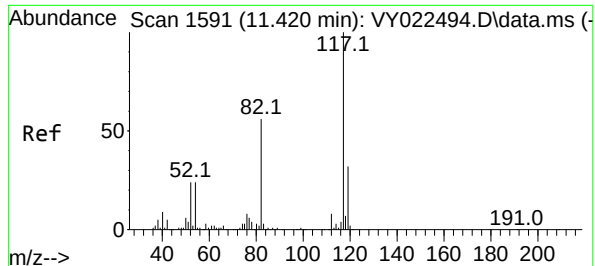
Tgt Ion: 98 Resp: 621468
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.689 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Tgt Ion: 95 Resp: 154197
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 82.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022506.D

Acq: 02 Jun 2025 18:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-42

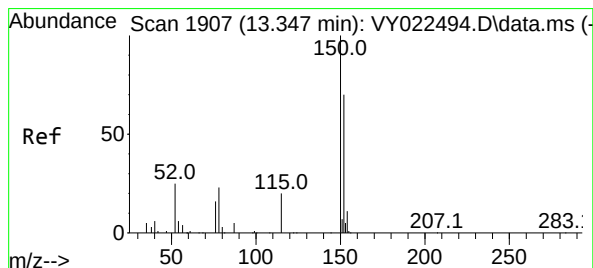
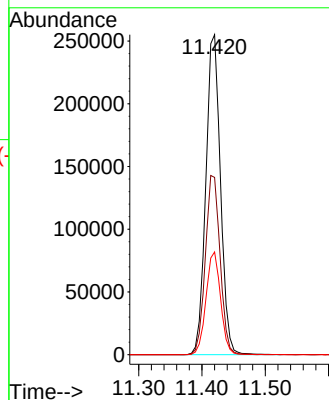
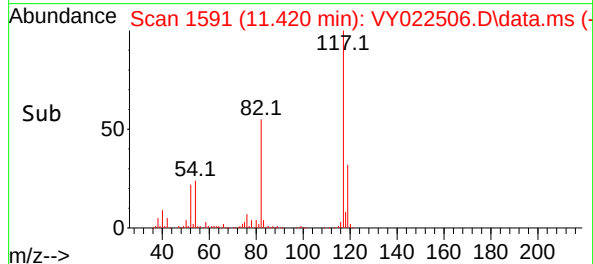
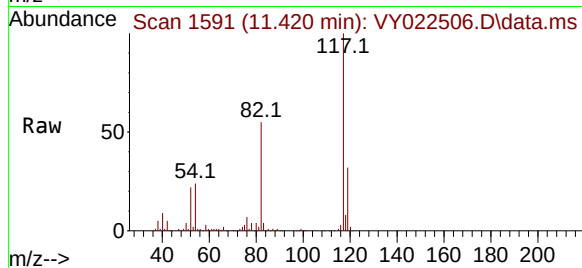
Tgt Ion:117 Resp: 411552

Ion Ratio Lower Upper

117 100

82 55.4 44.6 66.8

119 32.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022506.D

Acq: 02 Jun 2025 18:44

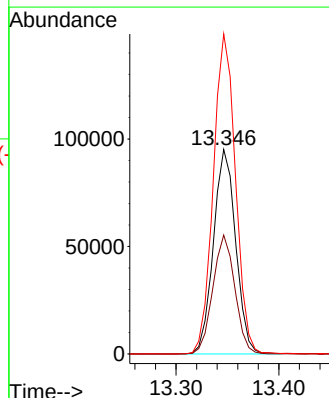
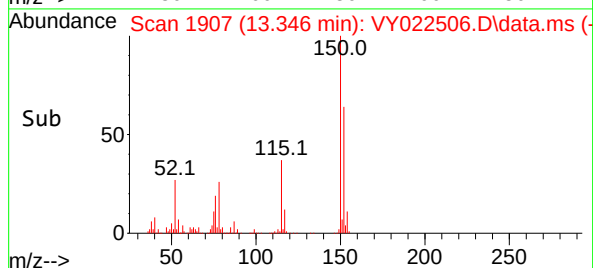
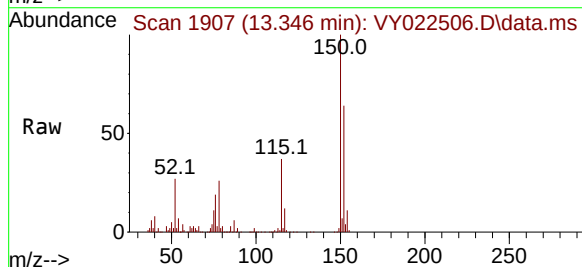
Tgt Ion:152 Resp: 142944

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 155.9 0.0 349.6



Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.24 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
VY022462.D	1		05/29/25 13:12	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U	0.94	4.10	ug/Kg
74-87-3	Chloromethane	0.94	U	0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.10	ug/Kg
74-83-9	Bromomethane	0.88	UQ	0.88	4.10	ug/Kg
75-00-3	Chloroethane	1.00	UQ	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.10	ug/Kg
67-64-1	Acetone	14.1	J	3.90	20.6	ug/Kg
75-15-0	Carbon Disulfide	0.87	U	0.87	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.60	U	0.60	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.10	ug/Kg
71-43-2	Benzene	7.20		0.65	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.6	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.24 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
VY022462.D	1		05/29/25 13:12	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.30	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.10	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	49.8		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.8		17 - 146	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	305000	7.713			
540-36-3	1,4-Difluorobenzene	550000	8.622			
3114-55-4	Chlorobenzene-d5	413000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.24	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022462.D	1		05/29/25 13:12	VY052925

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\VY052925\
 Data File : VY022462.D
 Acq On : 29 May 2025 13:12
 Operator : SY/MD
 Sample : Q2150-03
 Misc : 7.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-39

Quant Time: May 30 05:34:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

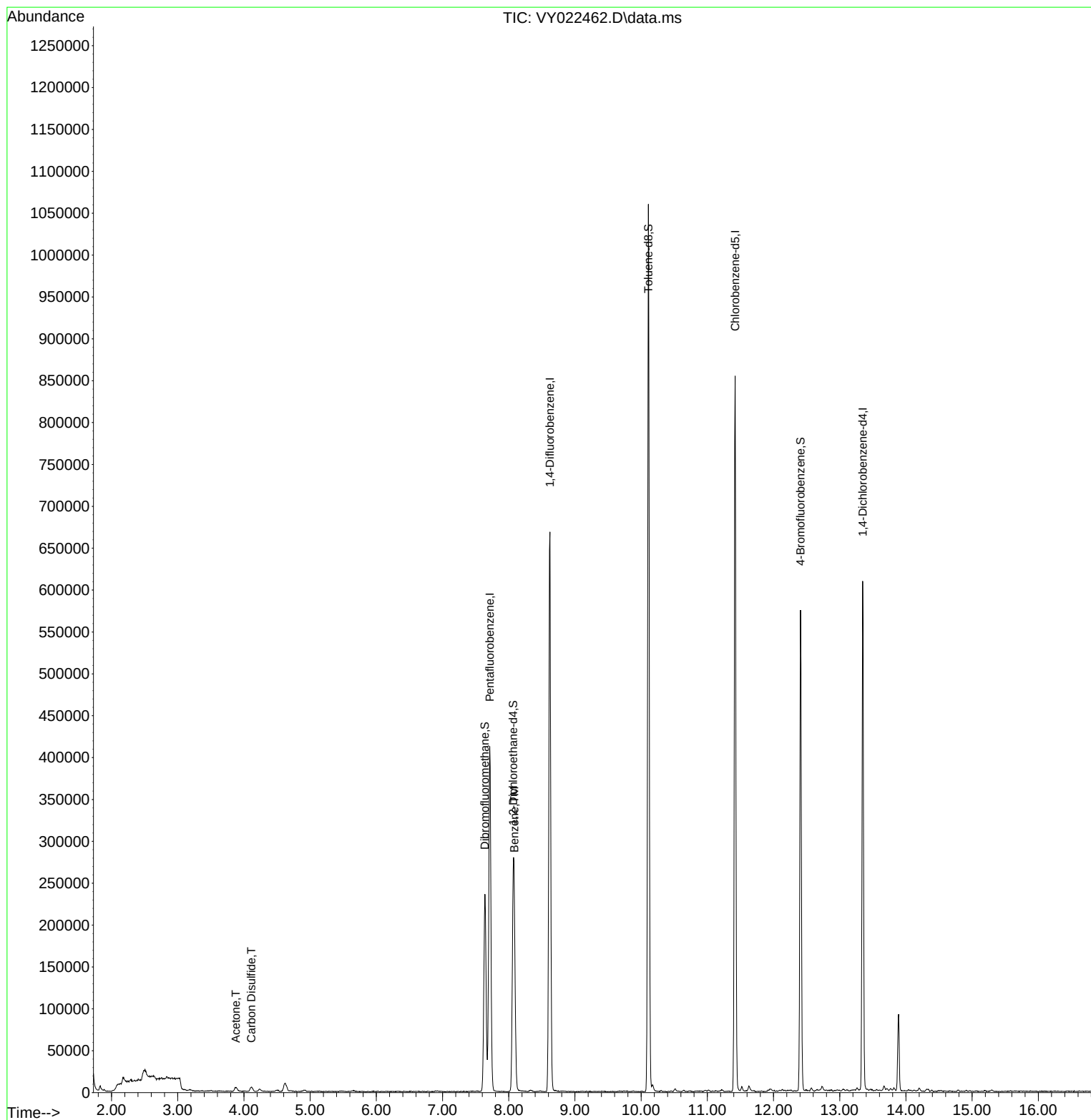
Internal Standards						
1) Pentafluorobenzene	7.713	168	305036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	550366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	413432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	137454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	155110	48.276	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.560%
35) Dibromofluoromethane	7.640	113	160938	49.933	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.860%
50) Toluene-d8	10.109	98	654242	49.793	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.580%
62) 4-Bromofluorobenzene	12.408	95	150107	37.768	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.540%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	9000	17.046	ug/l	100
17) Carbon Disulfide	4.110	76	10283	1.008	ug/l #	95
40) Benzene	8.085	78	133528	8.774	ug/l	99

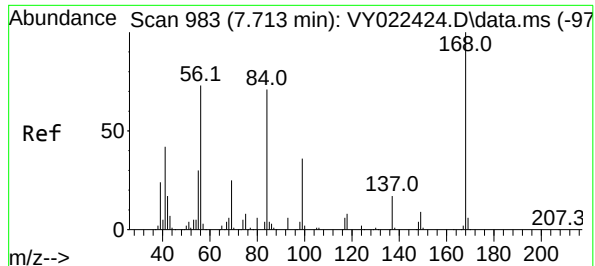
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022462.D
Acq On : 29 May 2025 13:12
Operator : SY/MD
Sample : Q2150-03
Misc : 7.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Quant Time: May 30 05:34:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

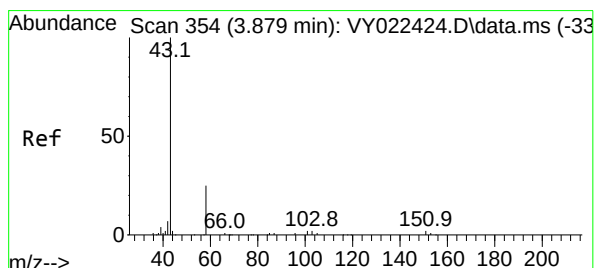
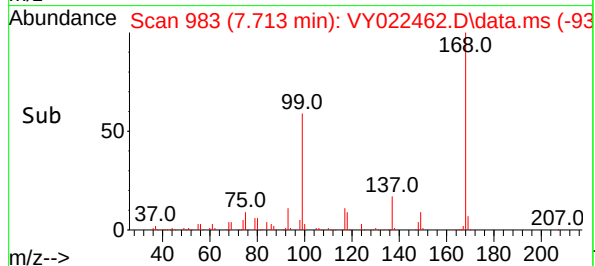
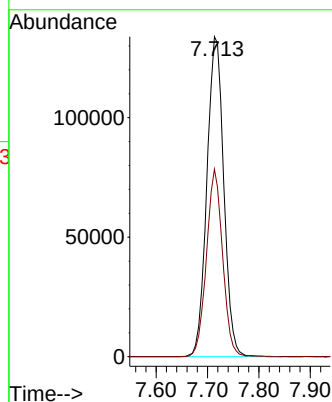
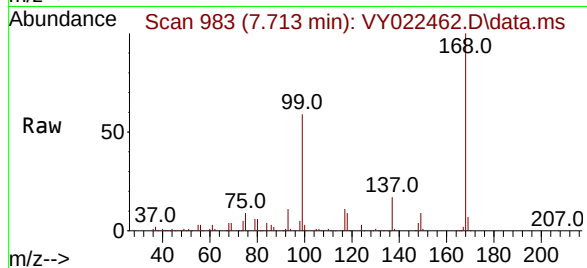




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

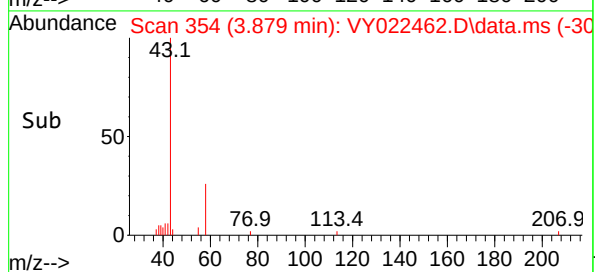
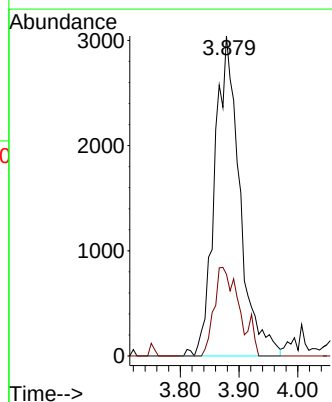
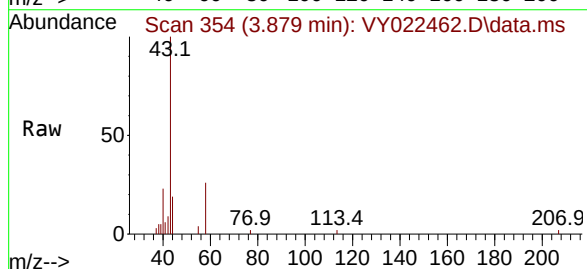
Instrument :
MSVOA_Y
ClientSampleId :
TP-39

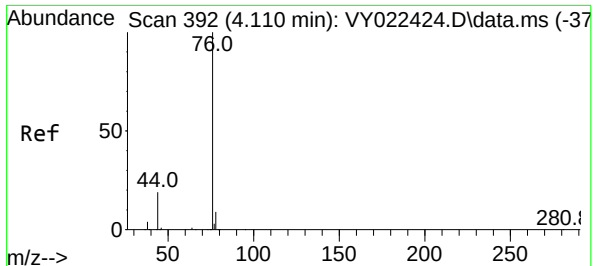
Tgt Ion:168 Resp: 305036
Ion Ratio Lower Upper
168 100
99 58.6 44.7 67.1



#16
Acetone
Concen: 17.046 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion: 43 Resp: 9000
Ion Ratio Lower Upper
43 100
58 25.6 20.6 30.8

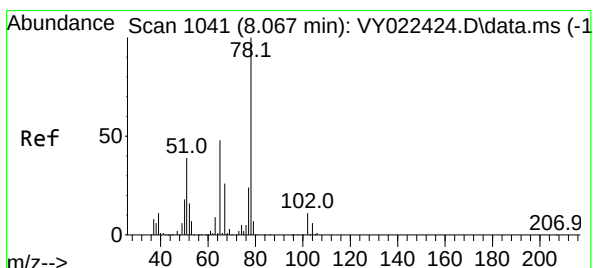
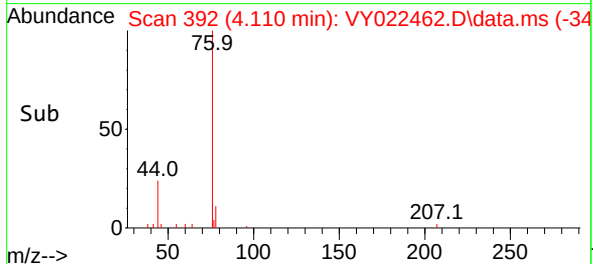
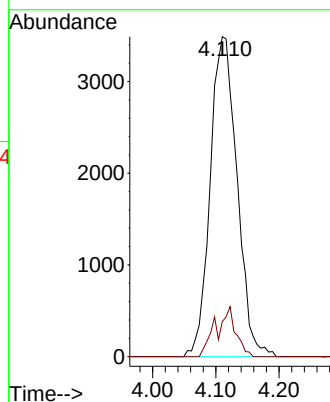
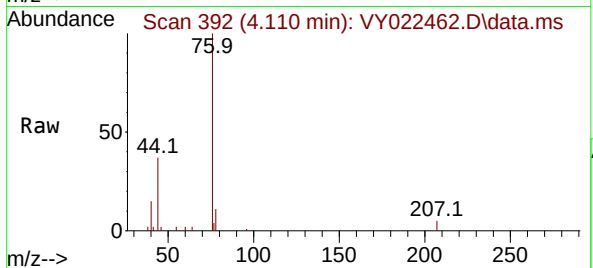




#17
Carbon Disulfide
Concen: 1.008 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

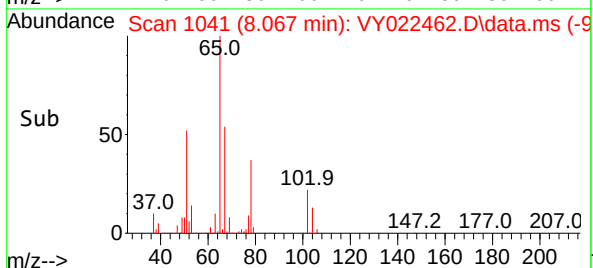
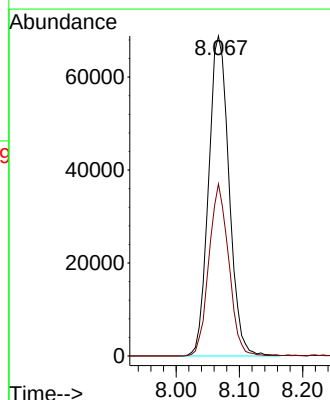
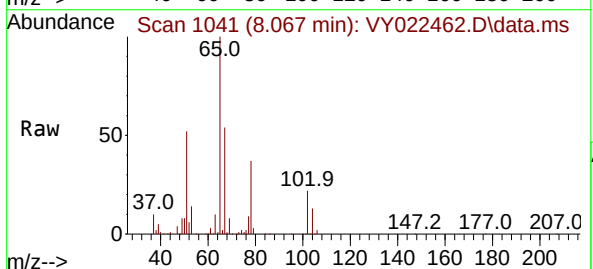
Instrument :
MSVOA_Y
ClientSampleId :
TP-39

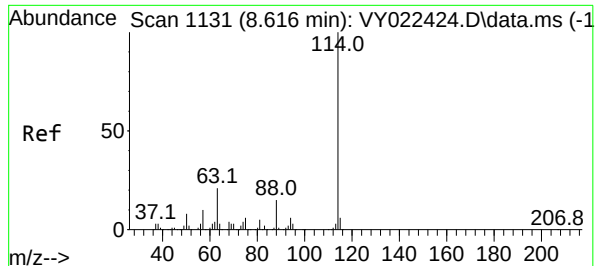
Tgt Ion: 76 Resp: 10283
Ion Ratio Lower Upper
76 100
78 10.9 7.2 10.8#



#33
1,2-Dichloroethane-d4
Concen: 48.276 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion: 65 Resp: 155110
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022462.D

Acq: 29 May 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-39

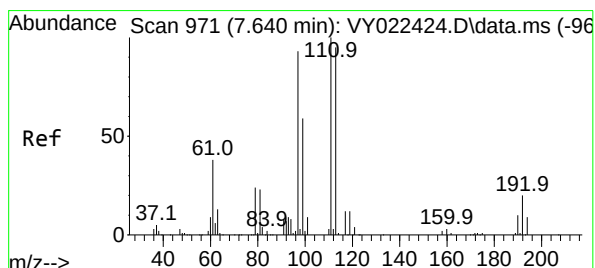
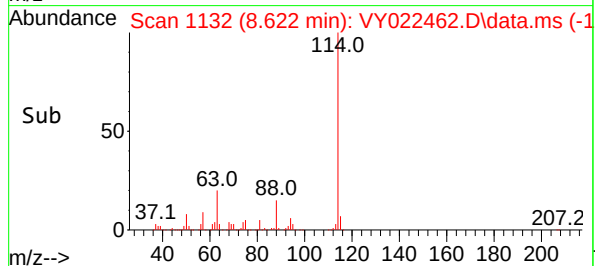
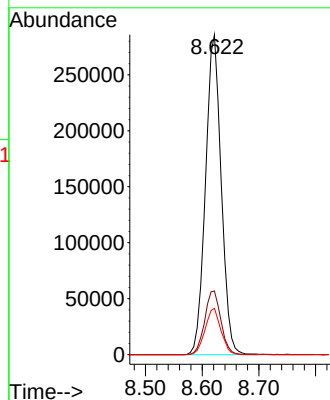
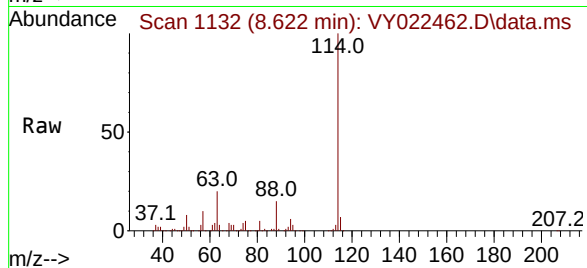
Tgt Ion:114 Resp: 550366

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 14.5 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.933 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY022462.D

Acq: 29 May 2025 13:12

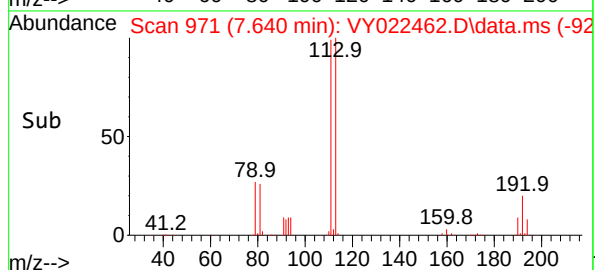
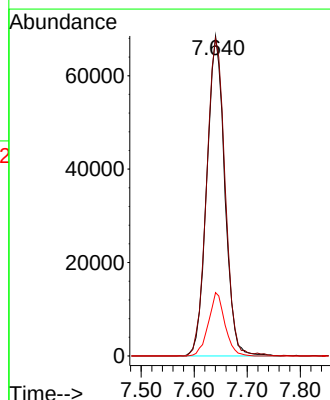
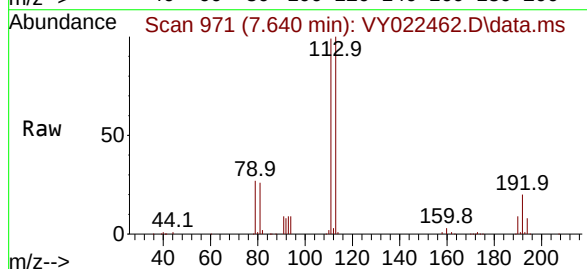
Tgt Ion:113 Resp: 160938

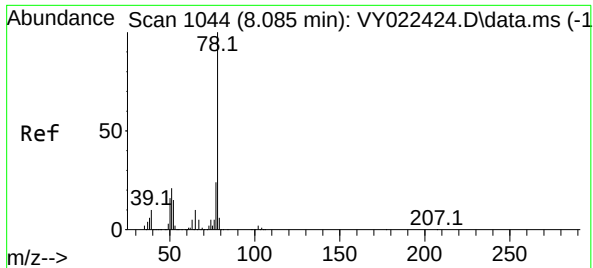
Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

192 18.2 15.2 22.8

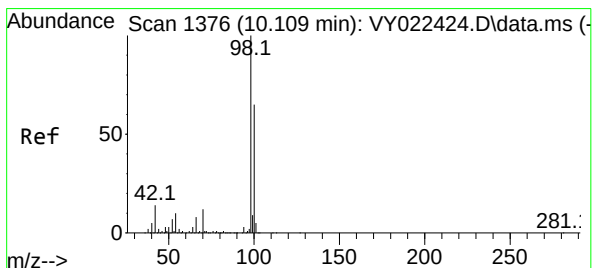
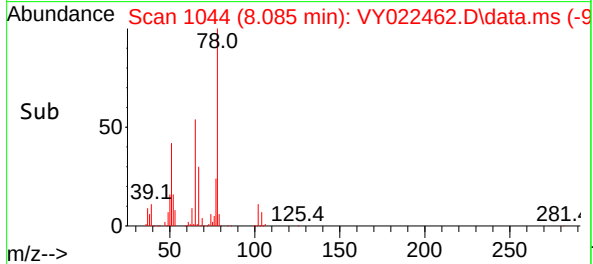
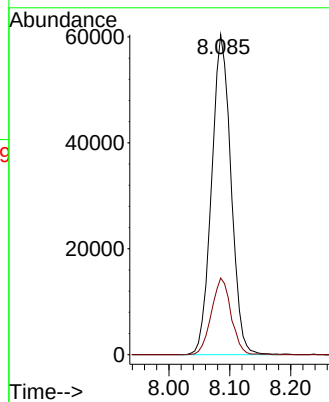
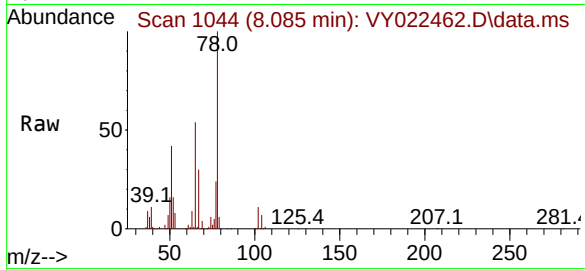




#40
Benzene
Concen: 8.774 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

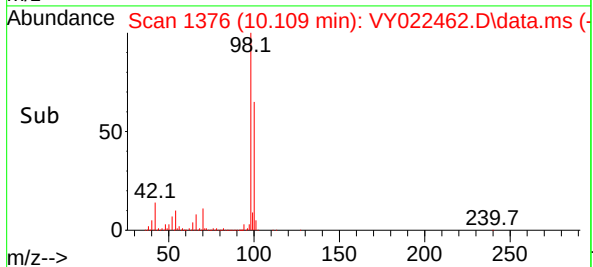
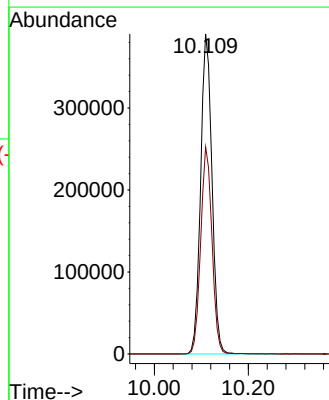
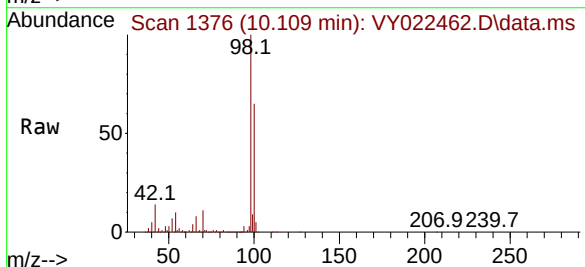
Instrument :
MSVOA_Y
ClientSampleId :
TP-39

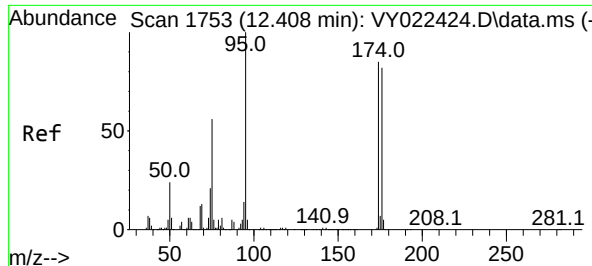
Tgt Ion: 78 Resp: 133528
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.2



#50
Toluene-d8
Concen: 49.793 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion: 98 Resp: 654242
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 37.768 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022462.D

Acq: 29 May 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-39

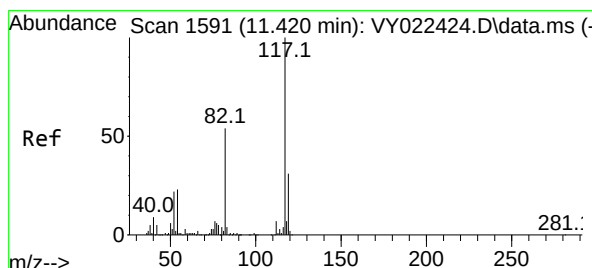
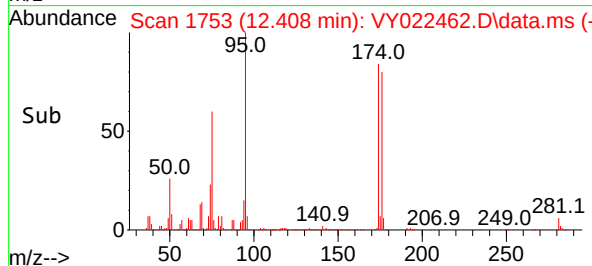
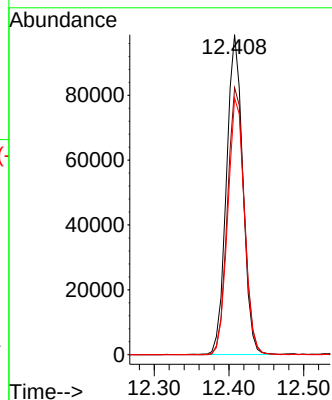
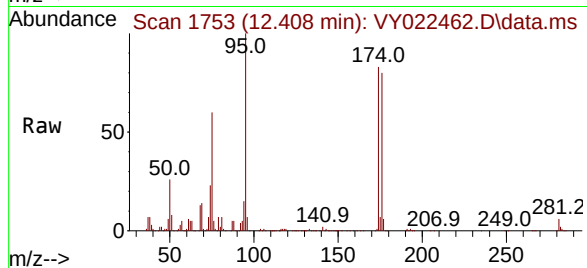
Tgt Ion: 95 Resp: 150107

Ion Ratio Lower Upper

95 100

174 86.3 0.0 171.6

176 81.6 0.0 164.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY022462.D

Acq: 29 May 2025 13:12

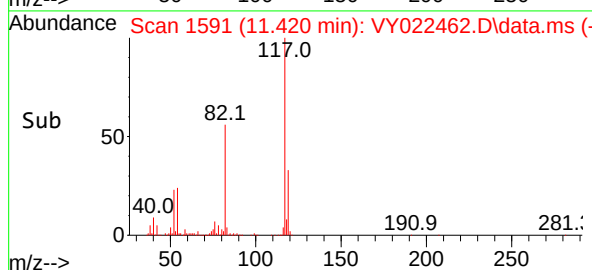
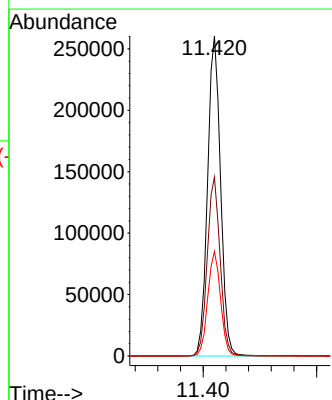
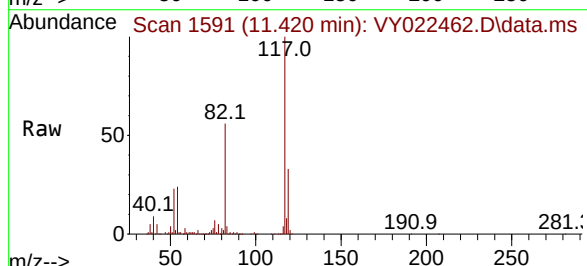
Tgt Ion: 117 Resp: 413432

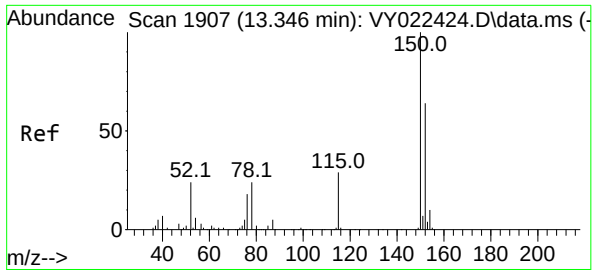
Ion Ratio Lower Upper

117 100

82 56.0 43.3 64.9

119 32.7 24.5 36.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022462.D

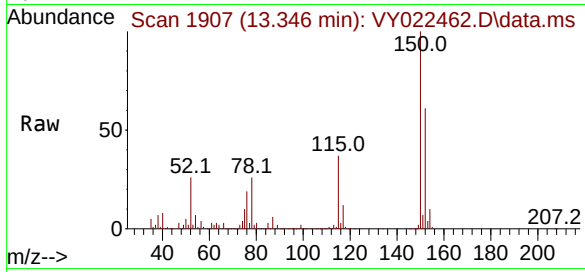
Acq: 29 May 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-39



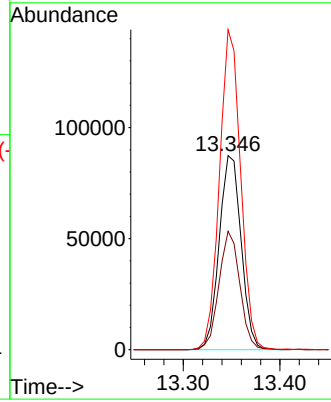
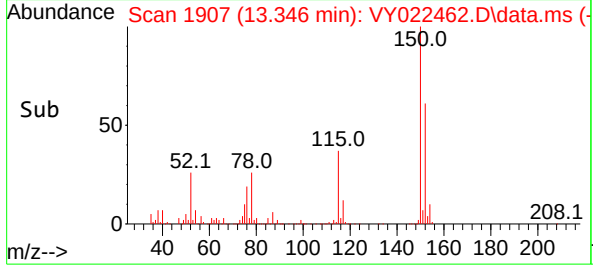
Tgt Ion:152 Resp: 137454

Ion Ratio Lower Upper

152 100

115 58.2 28.4 85.3

150 159.2 0.0 345.8



Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	6.52 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
VY022463.D	1		05/29/25 13:36	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.80	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.80	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.80	ug/Kg
74-83-9	Bromomethane	1.00	UQ	1.00	4.80	ug/Kg
75-00-3	Chloroethane	1.20	UQ	1.20	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.95	U	0.95	4.80	ug/Kg
67-64-1	Acetone	13.1	J	4.50	23.8	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	4.80	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.80	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.80	ug/Kg
110-82-7	Cyclohexane	0.75	U	0.75	4.80	ug/Kg
78-93-3	2-Butanone	6.20	U	6.20	23.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	4.80	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.80	ug/Kg
67-66-3	Chloroform	0.80	U	0.80	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	4.80	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	4.80	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.75	U	0.75	4.80	ug/Kg
79-01-6	Trichloroethene	0.77	U	0.77	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.86	U	0.86	4.80	ug/Kg
75-27-4	Bromodichloromethane	0.74	U	0.74	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	23.8	ug/Kg
108-88-3	Toluene	0.74	U	0.74	4.80	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	6.52 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
VY022463.D	1		05/29/25 13:36	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.62	U	0.62	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.59	U	0.59	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.87	U	0.87	4.80	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	23.8	ug/Kg
124-48-1	Dibromochloromethane	0.83	U	0.83	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.84	U	0.84	4.80	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	4.80	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	4.80	ug/Kg
100-41-4	Ethyl Benzene	0.64	U	0.64	4.80	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.50	ug/Kg
95-47-6	o-Xylene	0.78	U	0.78	4.80	ug/Kg
100-42-5	Styrene	0.67	U	0.67	4.80	ug/Kg
75-25-2	Bromoform	0.82	U	0.82	4.80	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.1		63 - 155	118%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	50.5		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		17 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	279000	7.719			
540-36-3	1,4-Difluorobenzene	518000	8.622			
3114-55-4	Chlorobenzene-d5	419000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.352			



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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	6.52	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
VY022463.D	1		05/29/25 13:36	VY052925

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\VY052925\
 Data File : VY022463.D
 Acq On : 29 May 2025 13:36
 Operator : SY/MD
 Sample : Q2150-04
 Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-48

Quant Time: May 30 05:34:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

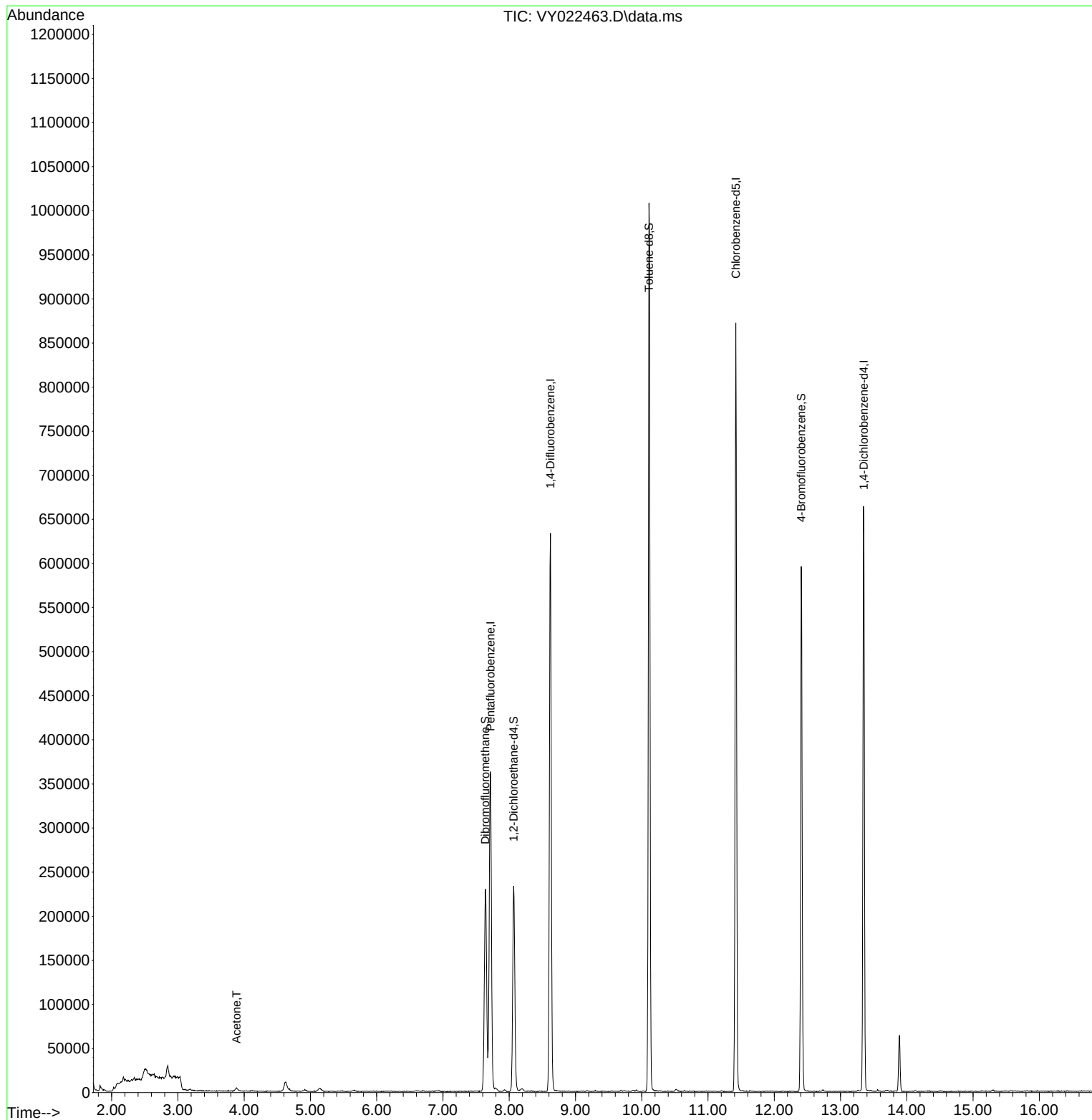
Internal Standards						
1) Pentafluorobenzene	7.719	168	278545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	518246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	419041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	155769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	173294	59.065	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.140%
35) Dibromofluoromethane	7.640	113	160020	52.725	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.440%
50) Toluene-d8	10.109	98	625091	50.523	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.040%
62) 4-Bromofluorobenzene	12.407	95	160933	43.002	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.000%
Target Compounds						
16) Acetone	3.885	43	6661	13.816	ug/l	Qvalue # 87

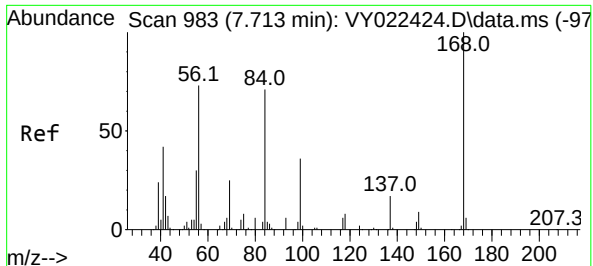
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022463.D
Acq On : 29 May 2025 13:36
Operator : SY/MD
Sample : Q2150-04
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-48

Quant Time: May 30 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

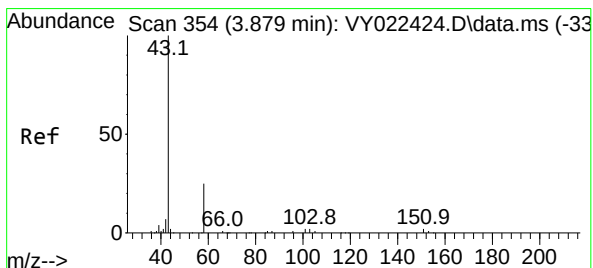
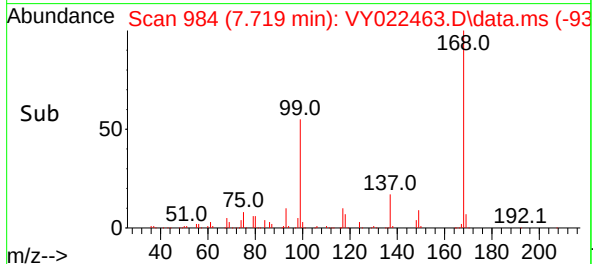
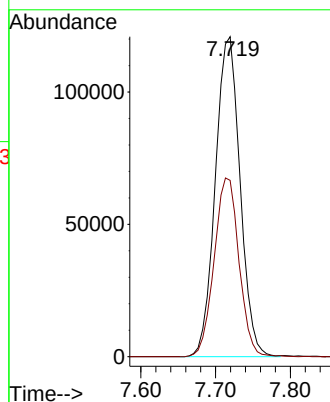
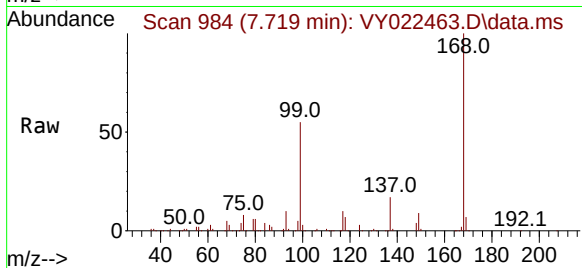




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

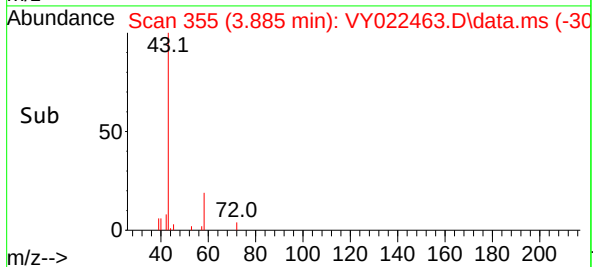
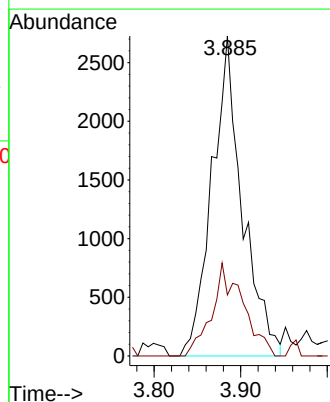
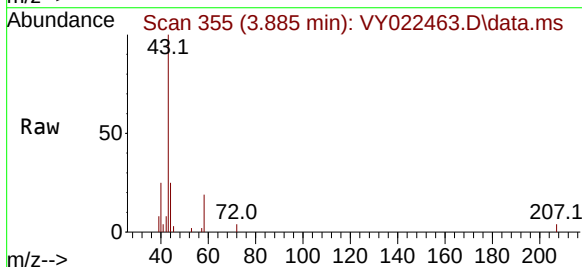
Instrument :
MSVOA_Y
ClientSampleId :
TP-48

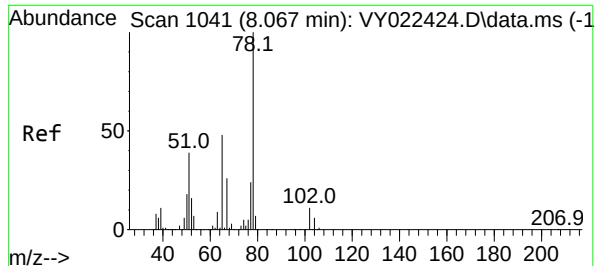
Tgt Ion:168 Resp: 278545
Ion Ratio Lower Upper
168 100
99 55.1 44.7 67.1



#16
Acetone
Concen: 13.816 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion: 43 Resp: 6661
Ion Ratio Lower Upper
43 100
58 19.1 20.6 30.8#





#33

1,2-Dichloroethane-d4

Concen: 59.065 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY022463.D

Acq: 29 May 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

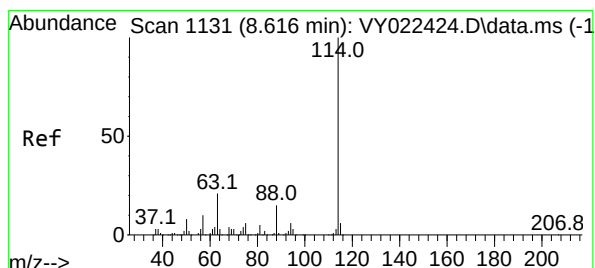
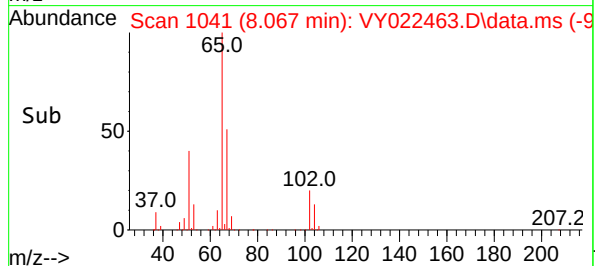
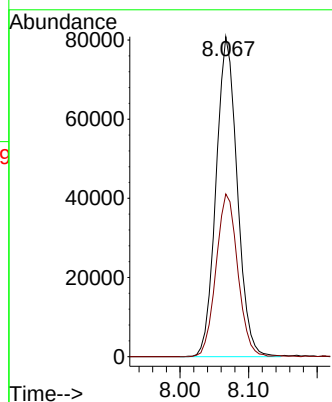
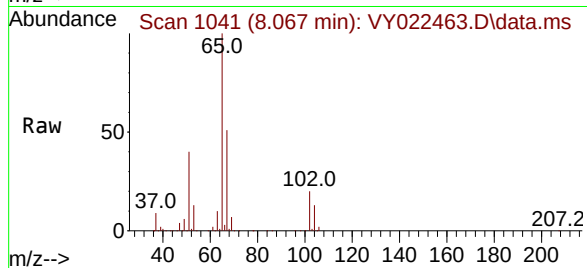
TP-48

Tgt Ion: 65 Resp: 173294

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022463.D

Acq: 29 May 2025 13:36

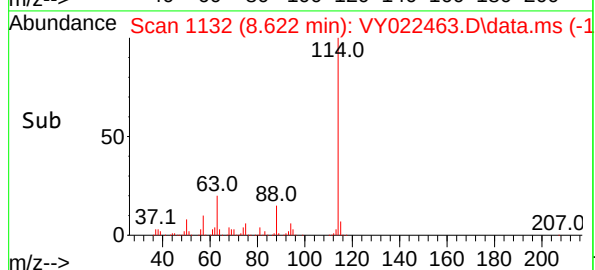
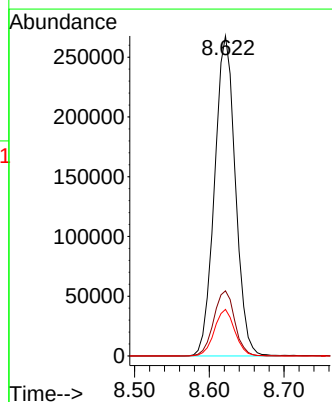
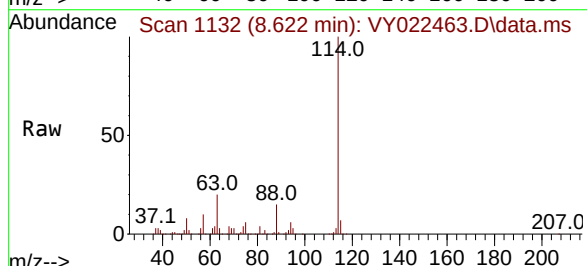
Tgt Ion: 114 Resp: 518246

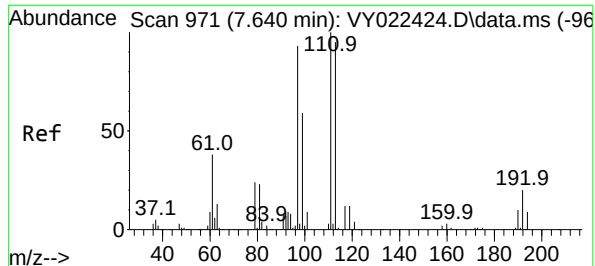
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 14.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 52.725 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022463.D

Acq: 29 May 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

TP-48

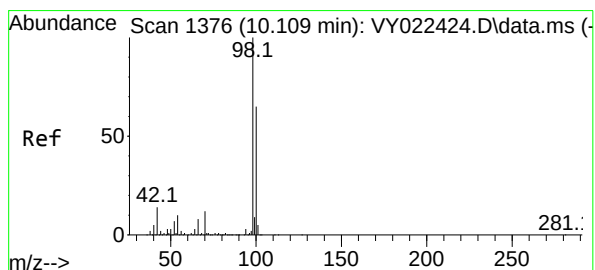
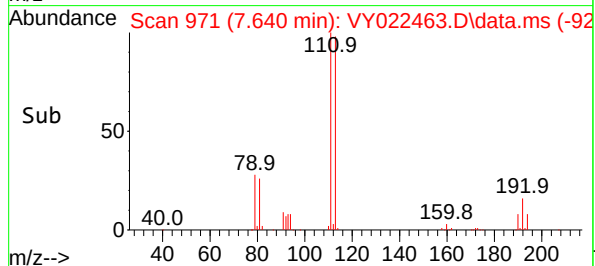
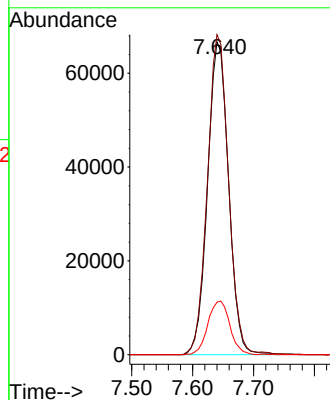
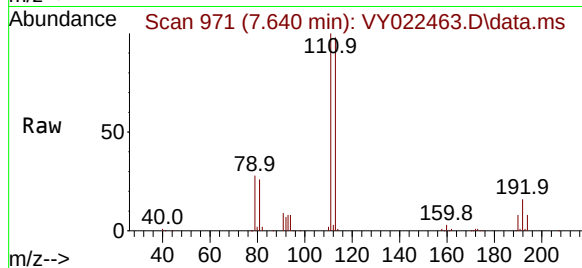
Tgt Ion:113 Resp: 160020

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

192 17.9 15.2 22.8



#50

Toluene-d8

Concen: 50.523 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022463.D

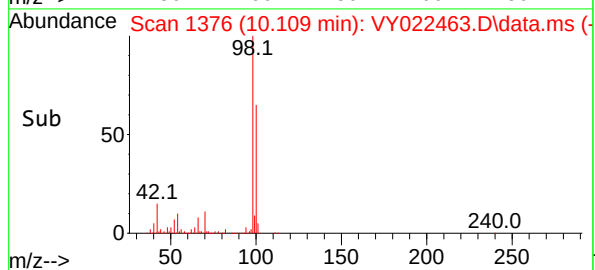
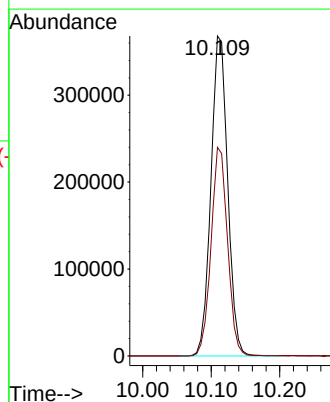
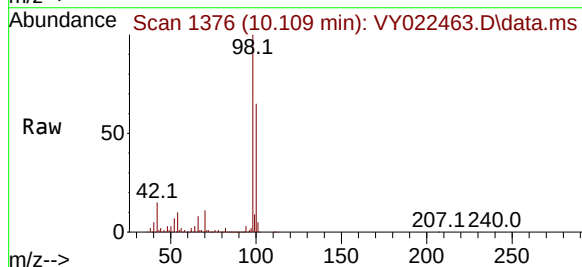
Acq: 29 May 2025 13:36

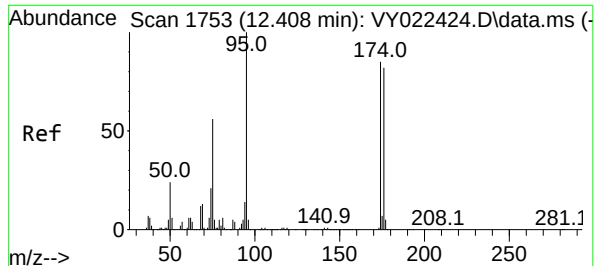
Tgt Ion: 98 Resp: 625091

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 43.002 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022463.D

Acq: 29 May 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

TP-48

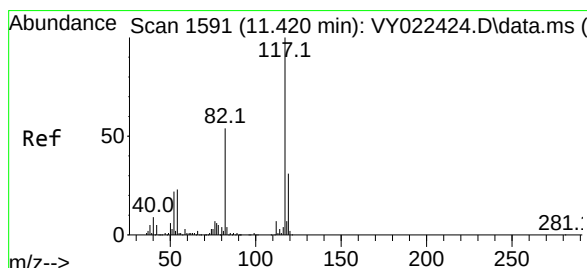
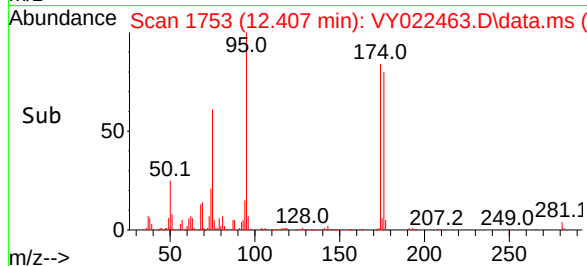
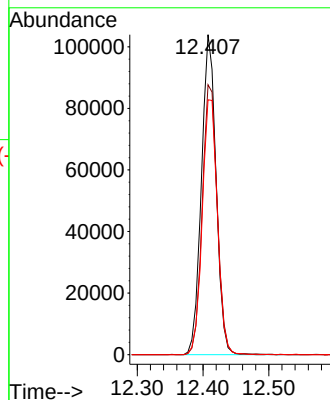
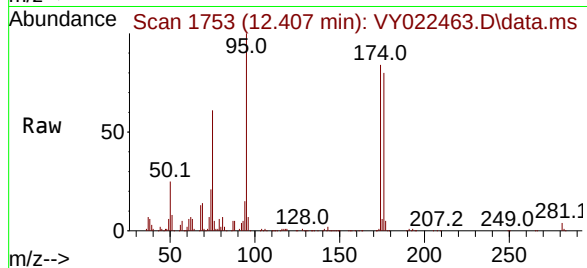
Tgt Ion: 95 Resp: 160933

Ion Ratio Lower Upper

95 100

174 86.1 0.0 171.6

176 82.6 0.0 164.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY022463.D

Acq: 29 May 2025 13:36

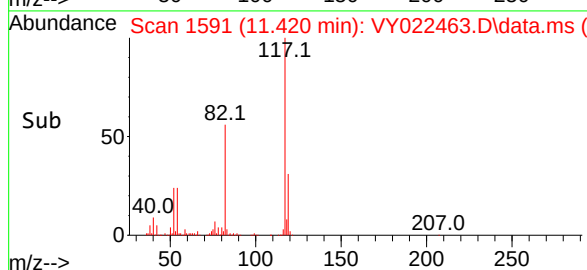
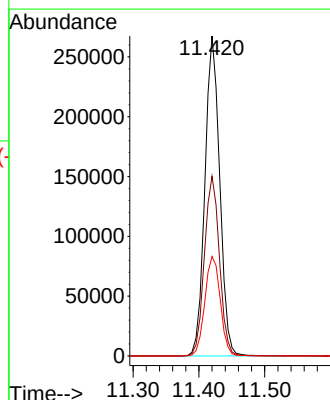
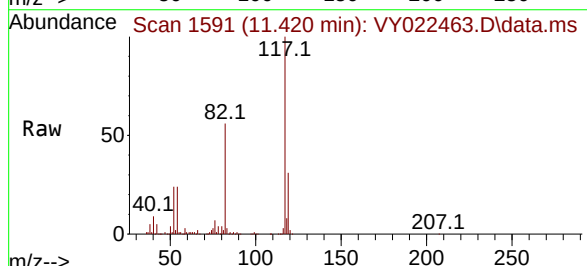
Tgt Ion: 117 Resp: 419041

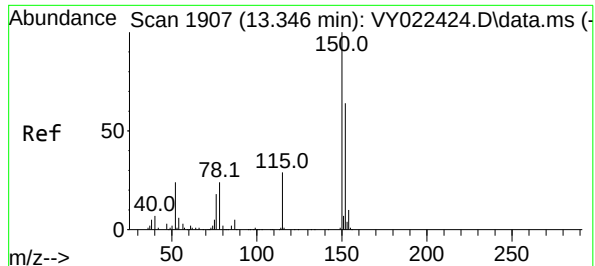
Ion Ratio Lower Upper

117 100

82 56.1 43.3 64.9

119 31.1 24.5 36.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022463.D

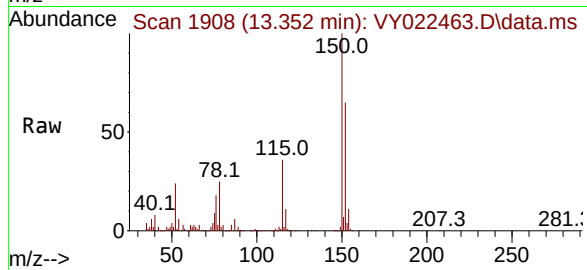
Acq: 29 May 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

TP-48



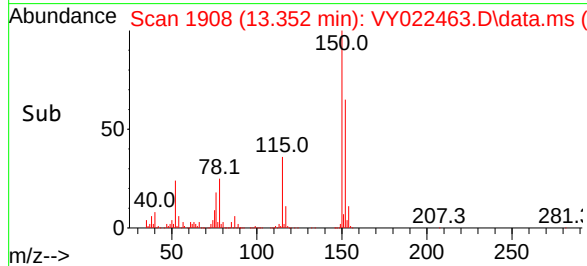
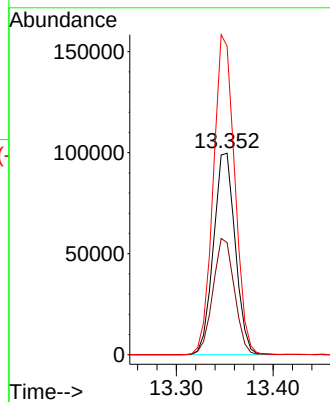
Tgt Ion:152 Resp: 155769

Ion	Ratio	Lower	Upper

152	100		

115	57.2	28.4	85.3

150	156.7	0.0	345.8



Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.15 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
VY022464.D	1		05/29/25 13:59	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U	0.98	4.30	ug/Kg
74-87-3	Chloromethane	0.98	U	0.98	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.30	ug/Kg
74-83-9	Bromomethane	0.92	UQ	0.92	4.30	ug/Kg
75-00-3	Chloroethane	1.10	UQ	1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	4.30	ug/Kg
67-64-1	Acetone	4.10	U	4.10	21.6	ug/Kg
75-15-0	Carbon Disulfide	0.92	U	0.92	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.30	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.30	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	4.30	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	4.30	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	21.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	4.30	ug/Kg
74-97-5	Bromochloromethane	0.99	U	0.99	4.30	ug/Kg
67-66-3	Chloroform	0.73	U	0.73	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	4.30	ug/Kg
71-43-2	Benzene	0.68	U	0.68	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	4.30	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.79	U	0.79	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.67	U	0.67	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.6	ug/Kg
108-88-3	Toluene	0.67	U	0.67	4.30	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.15	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
VY022464.D	1		05/29/25 13:59	VY052925

[illegible]

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.15 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
VY022464.D	1		05/29/25 13:59	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013205-56-6	1-Methyldecylamine	28.7	J		2.12	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\VY052925\
 Data File : VY022464.D
 Acq On : 29 May 2025 13:59
 Operator : SY/MD
 Sample : Q2150-05
 Misc : 7.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-47

Quant Time: May 30 05:34:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	18571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	25910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	13686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	2224	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	6243	31.916	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	63.840%
35) Dibromofluoromethane	7.640	113	4936	32.530	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	65.060%
50) Toluene-d8	10.109	98	26868	43.436	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.880%
62) 4-Bromofluorobenzene	12.407	95	3842	20.534	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	41.060%

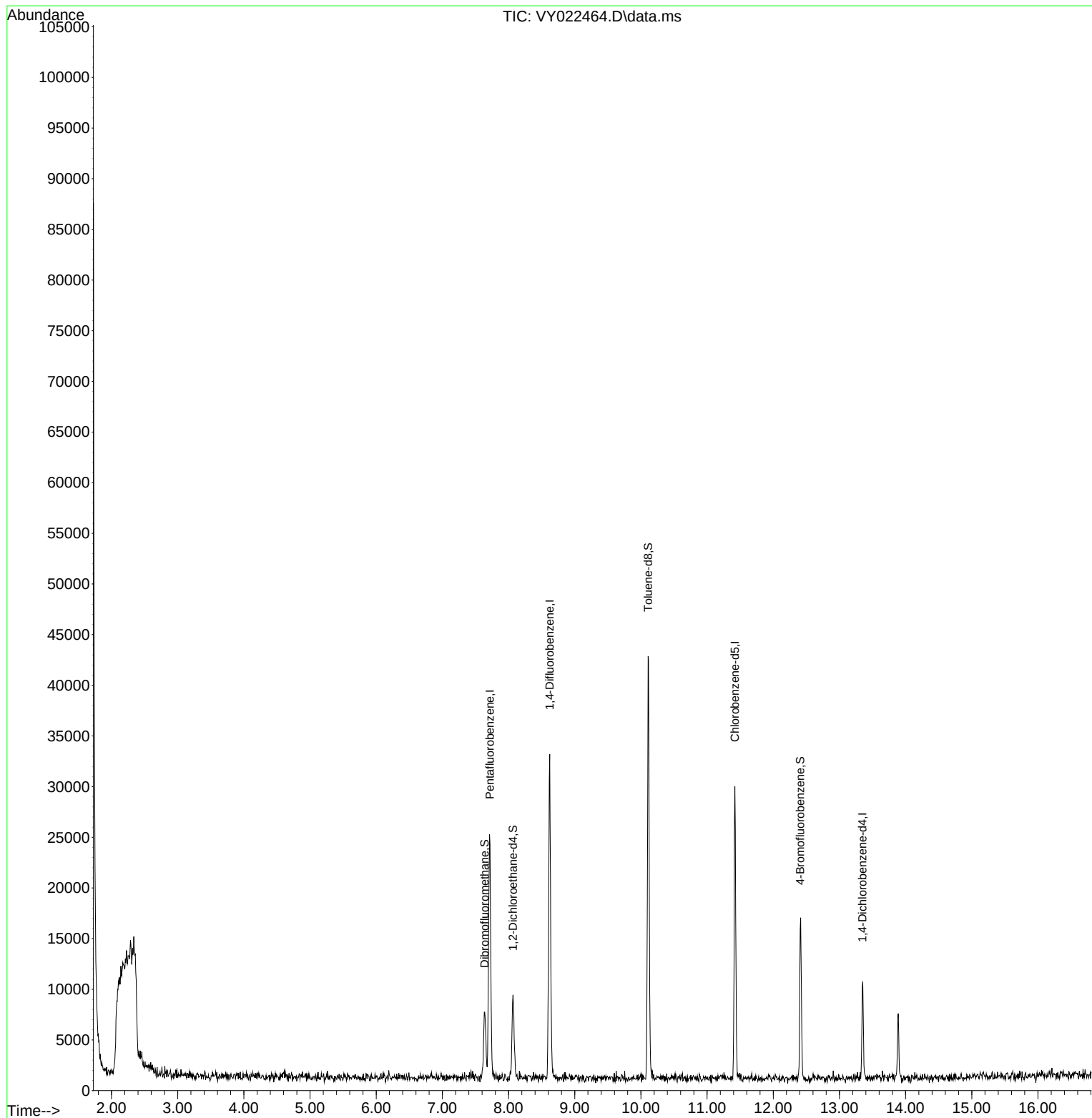
Target Compounds	Qvalue

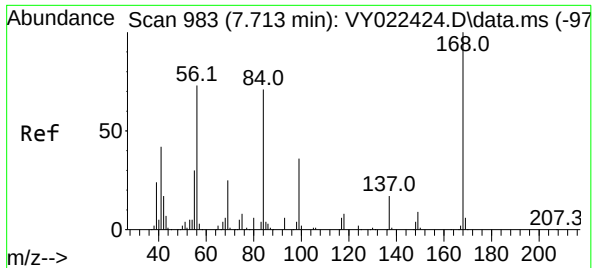
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022464.D
Acq On : 29 May 2025 13:59
Operator : SY/MD
Sample : Q2150-05
Misc : 7.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

Quant Time: May 30 05:34:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

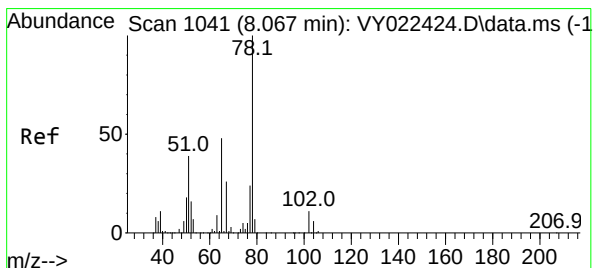
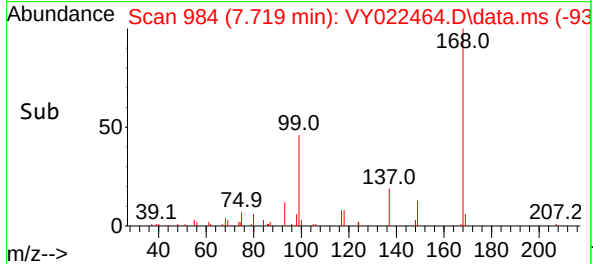
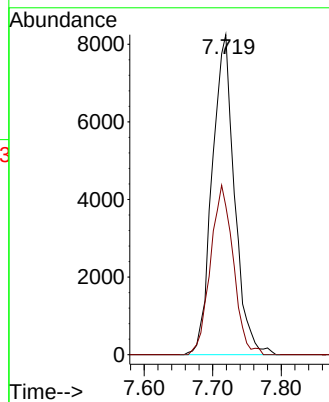
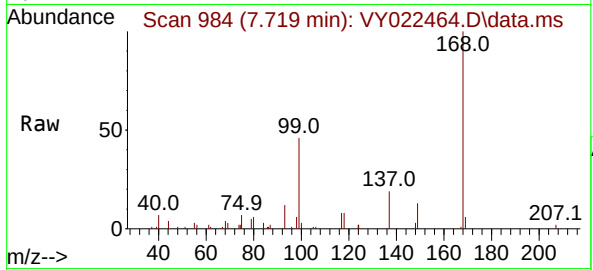




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

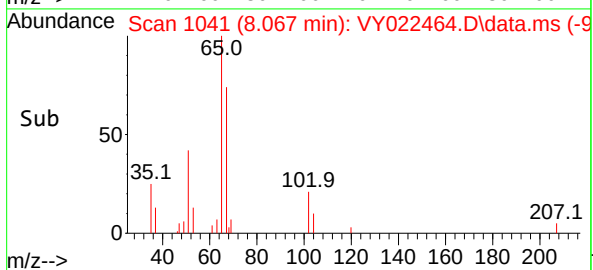
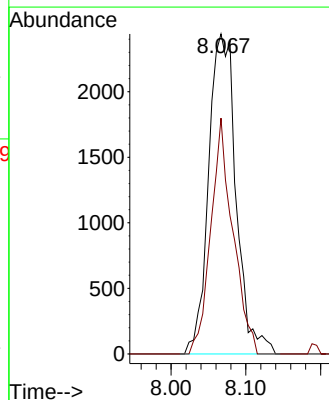
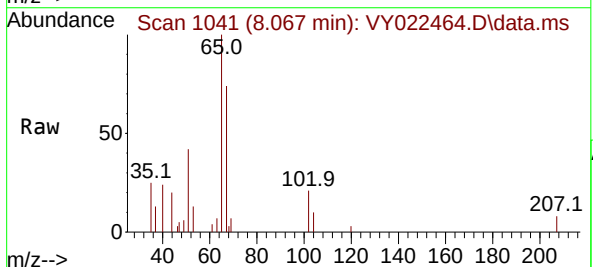
Instrument :
MSVOA_Y
ClientSampleId :
TP-47

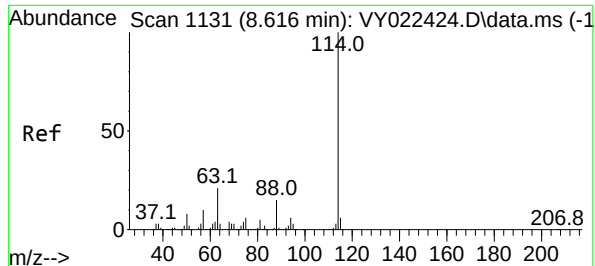
Tgt Ion:168 Resp: 18571
Ion Ratio Lower Upper
168 100
99 46.5 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 31.916 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Tgt Ion: 65 Resp: 6243
Ion Ratio Lower Upper
65 100
67 59.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022464.D

Acq: 29 May 2025 13:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-47

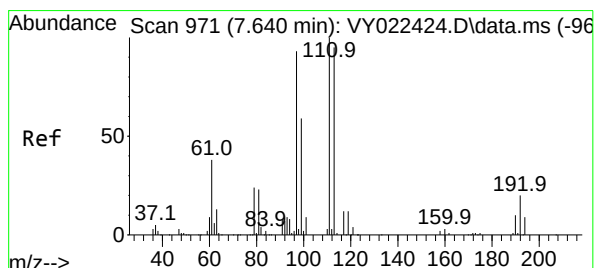
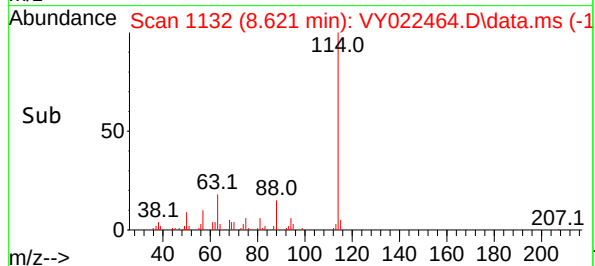
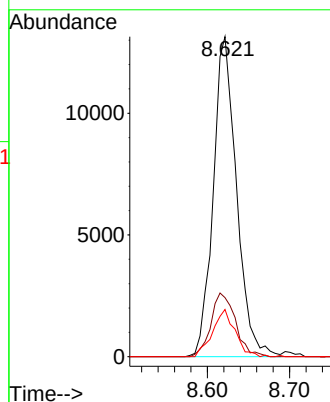
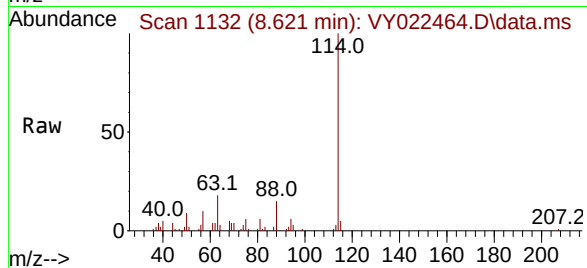
Tgt Ion:114 Resp: 25910

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.6

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 32.530 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022464.D

Acq: 29 May 2025 13:59

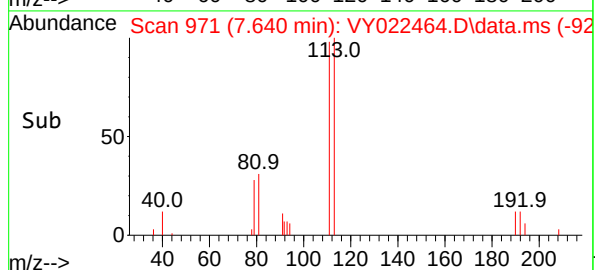
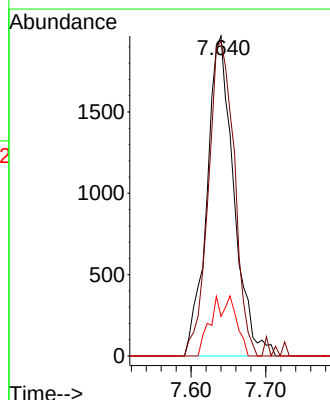
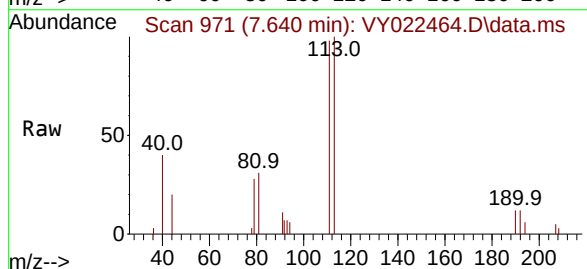
Tgt Ion:113 Resp: 4936

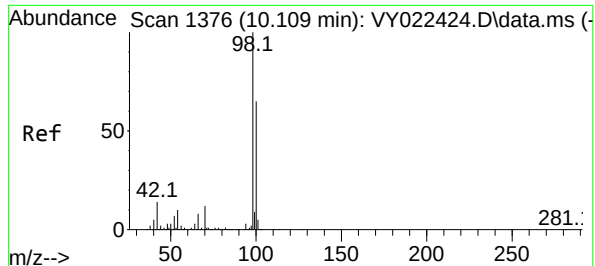
Ion Ratio Lower Upper

113 100

111 95.0 82.4 123.6

192 17.2 15.2 22.8





#50

Toluene-d8

Concen: 43.436 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022464.D

Acq: 29 May 2025 13:59

Instrument :

MSVOA_Y

ClientSampleId :

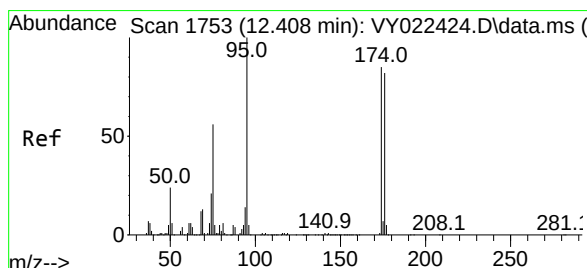
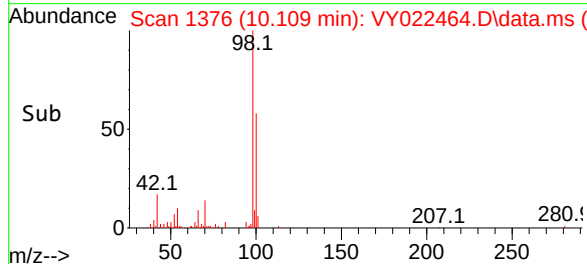
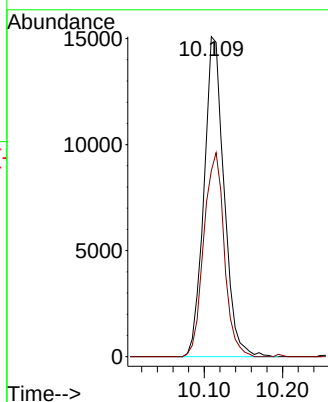
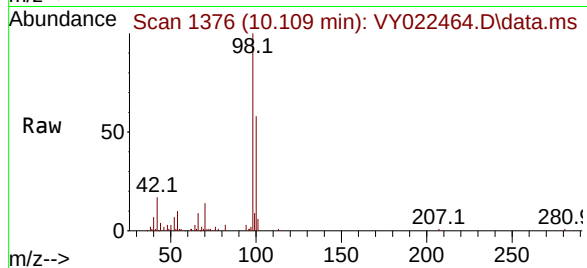
TP-47

Tgt Ion: 98 Resp: 26868

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 20.534 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022464.D

Acq: 29 May 2025 13:59

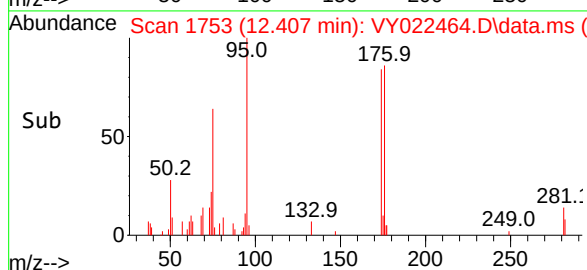
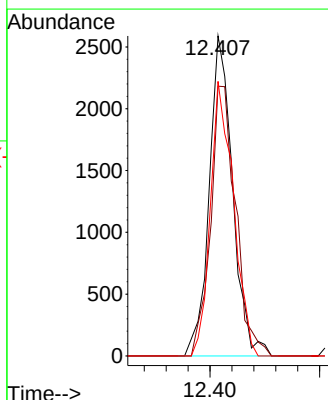
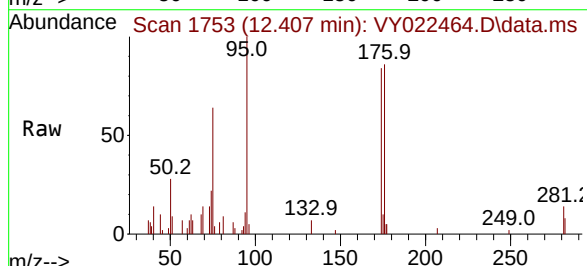
Tgt Ion: 95 Resp: 3842

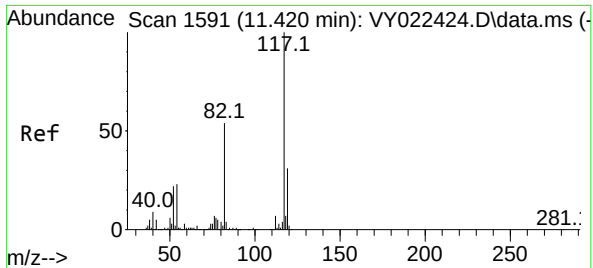
Ion Ratio Lower Upper

95 100

174 89.8 0.0 171.6

176 84.4 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022464.D

Acq: 29 May 2025 13:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-47

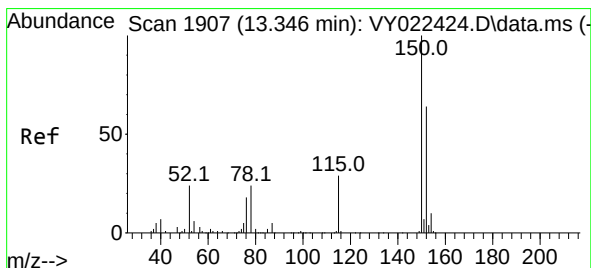
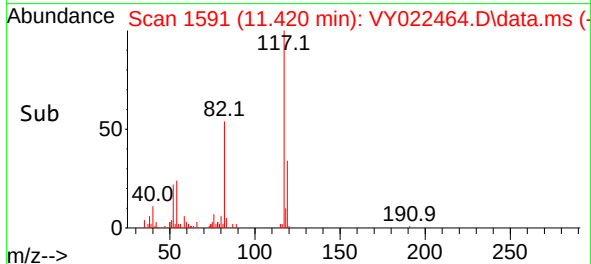
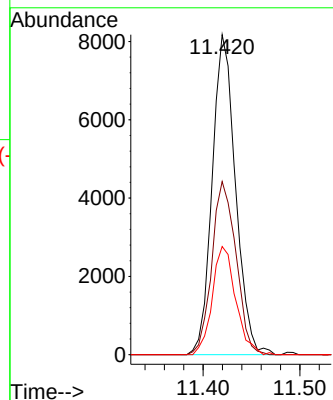
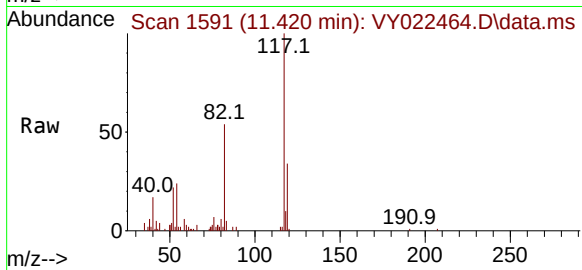
Tgt Ion:117 Resp: 13686

Ion Ratio Lower Upper

117 100

82 54.1 43.3 64.9

119 33.8 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022464.D

Acq: 29 May 2025 13:59

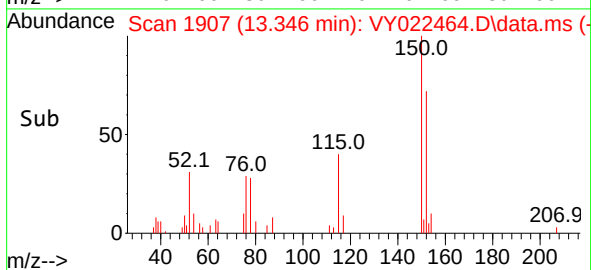
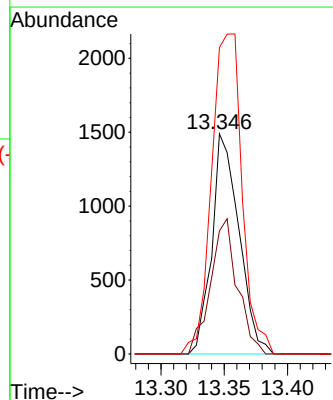
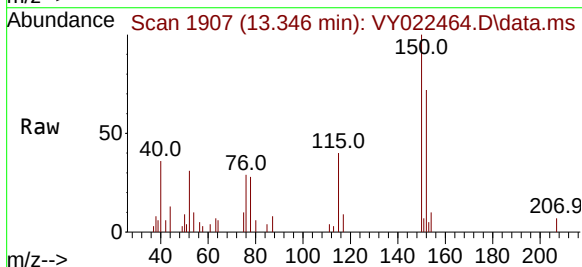
Tgt Ion:152 Resp: 2224

Ion Ratio Lower Upper

152 100

115 60.9 28.4 85.3

150 163.4 0.0 345.8



Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47RE	SDG No.:	Q2150
Lab Sample ID:	Q2150-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.48 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
VY022507.D	1		06/02/25 19:08	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U	0.94	4.10	ug/Kg
74-87-3	Chloromethane	0.94	U	0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.10	ug/Kg
74-83-9	Bromomethane	0.88	U	0.88	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.10	ug/Kg
67-64-1	Acetone	3.90	U	3.90	20.6	ug/Kg
75-15-0	Carbon Disulfide	0.87	U	0.87	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.60	U	0.60	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.10	ug/Kg
71-43-2	Benzene	0.65	U	0.65	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.6	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47RE	SDG No.:	Q2150
Lab Sample ID:	Q2150-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.48	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
VY022507.D	1		06/02/25 19:08	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.30	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.10	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.9		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	47.0		74 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.8		17 - 146	70%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60800	7.707			
540-36-3	1,4-Difluorobenzene	105000	8.616			
3114-55-4	Chlorobenzene-d5	78200	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	24500	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47RE	SDG No.:	Q2150
Lab Sample ID:	Q2150-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.48 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
VY022507.D	1		06/02/25 19:08	VY060225

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\VY060225\
 Data File : VY022507.D
 Acq On : 02 Jun 2025 19:08
 Operator : SY/MD
 Sample : Q2150-05RE
 Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-47RE

Quant Time: Jun 03 04:10:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	60813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	105433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	78237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	24479	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	37335	54.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.780%
35) Dibromofluoromethane	7.640	113	33266	52.861	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.720%
50) Toluene-d8	10.109	98	119467	46.982	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.960%
62) 4-Bromofluorobenzene	12.408	95	26331	34.755	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.500%

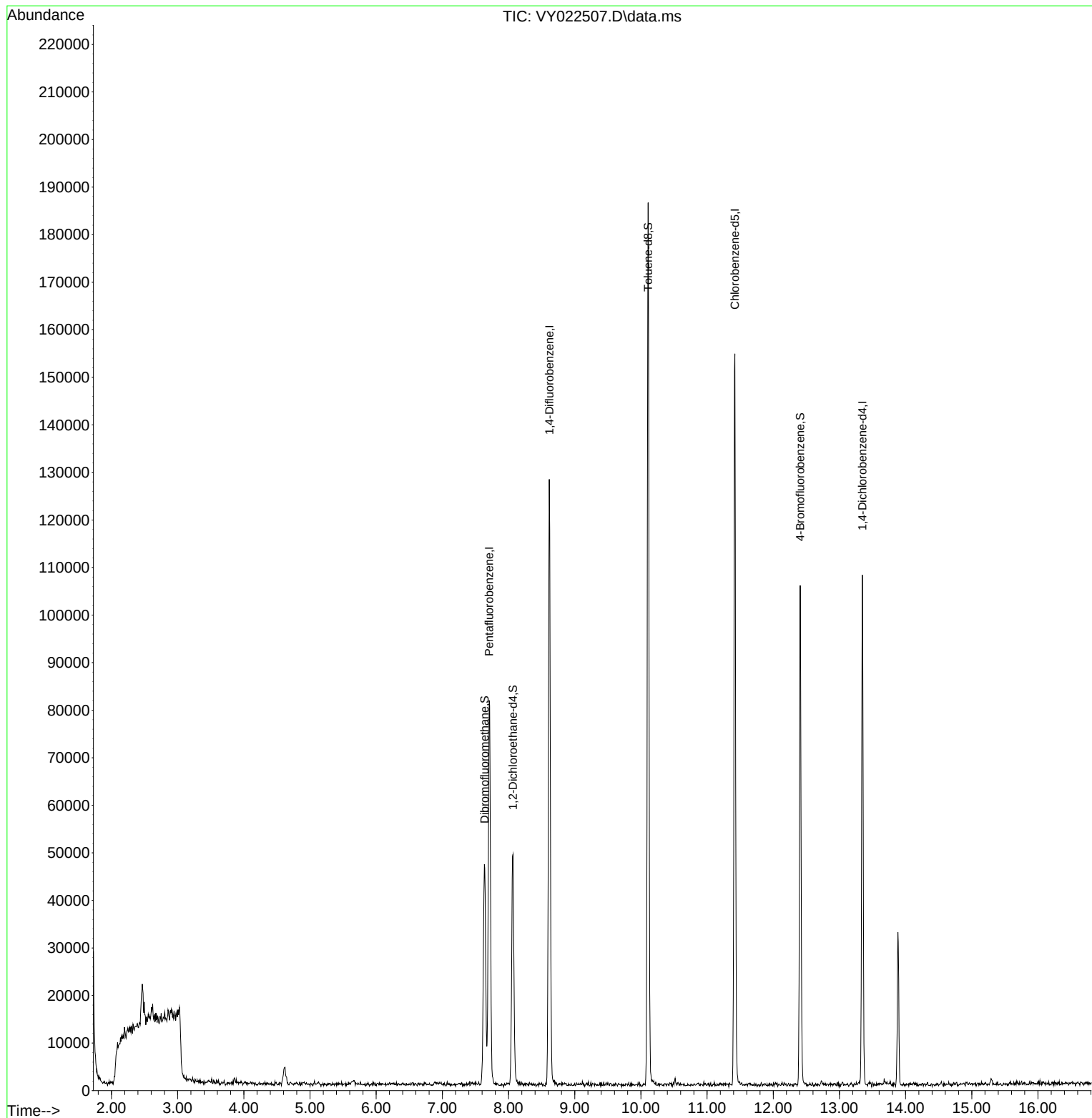
Target Compounds	Qvalue

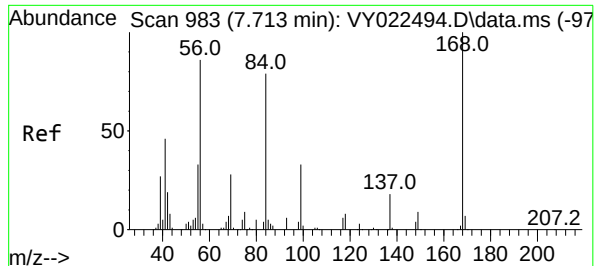
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022507.D
Acq On : 02 Jun 2025 19:08
Operator : SY/MD
Sample : Q2150-05RE
Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-47RE

Quant Time: Jun 03 04:10:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

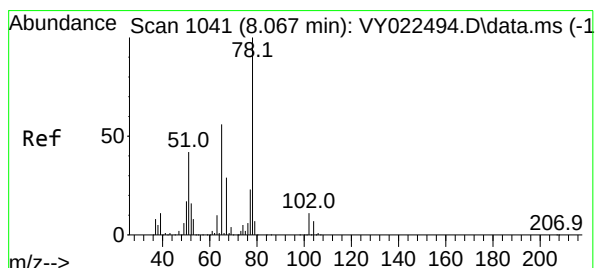
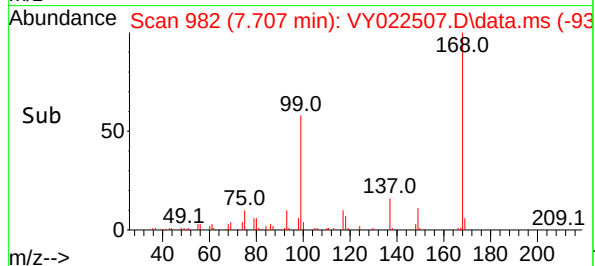
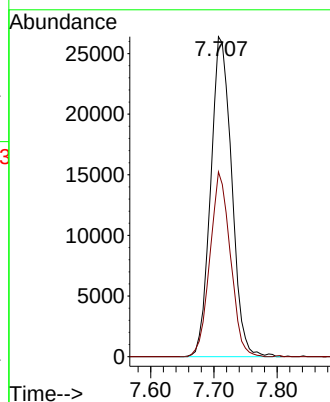
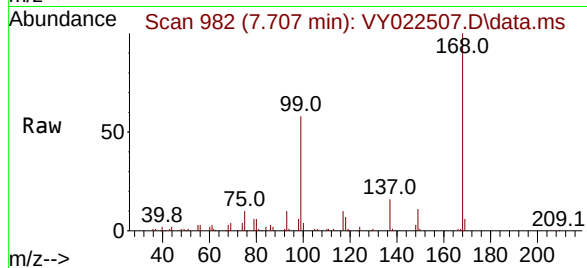




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 983
Delta R.T. -0.006 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

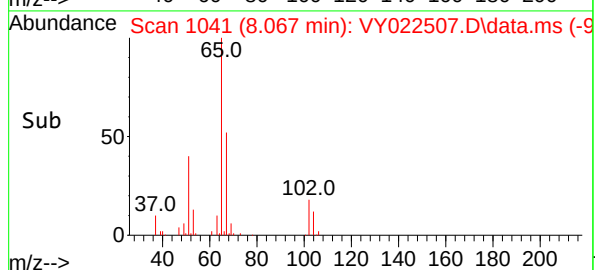
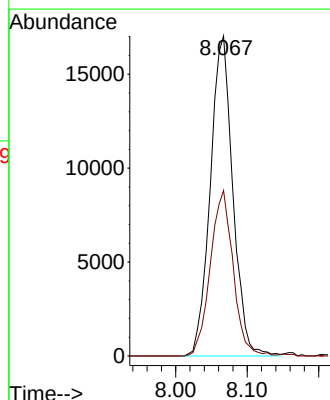
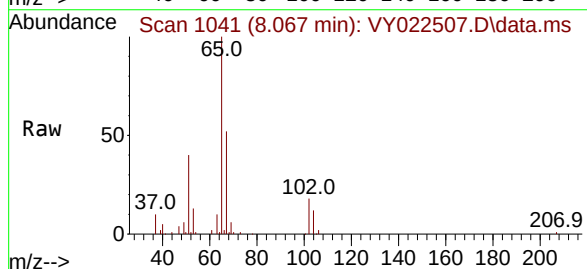
Instrument :
MSVOA_Y
ClientSampleId :
TP-47RE

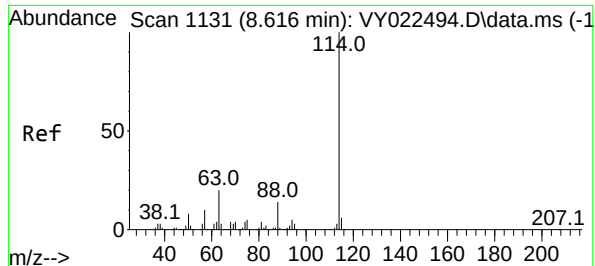
Tgt Ion:168 Resp: 60813
Ion Ratio Lower Upper
168 100
99 57.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 54.892 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Tgt Ion: 65 Resp: 37335
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022507.D

Acq: 02 Jun 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-47RE

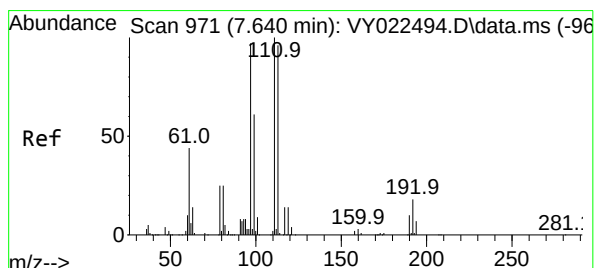
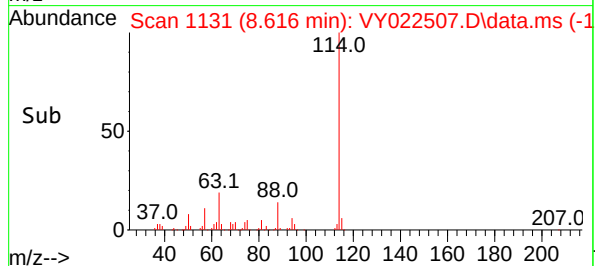
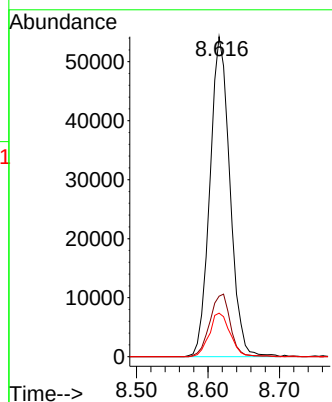
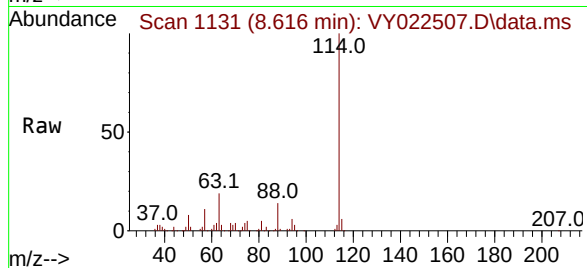
Tgt Ion:114 Resp: 105433

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.8

88 13.6 0.0 27.8



#35

Dibromofluoromethane

Concen: 52.861 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022507.D

Acq: 02 Jun 2025 19:08

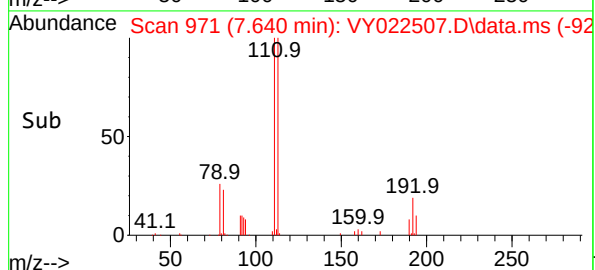
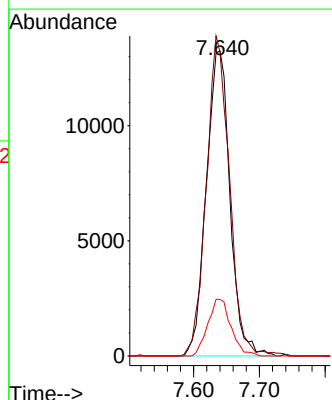
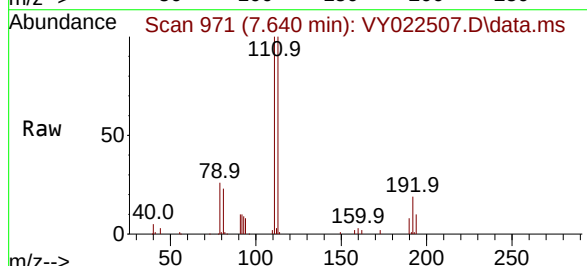
Tgt Ion:113 Resp: 33266

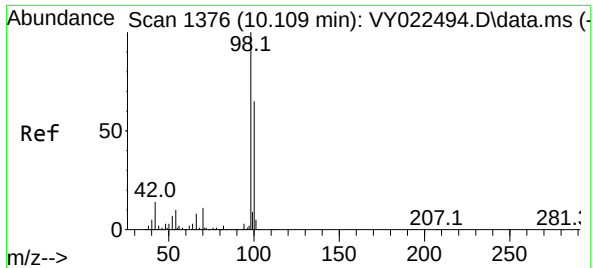
Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

192 18.2 14.2 21.2





#50

Toluene-d8

Concen: 46.982 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022507.D

Acq: 02 Jun 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

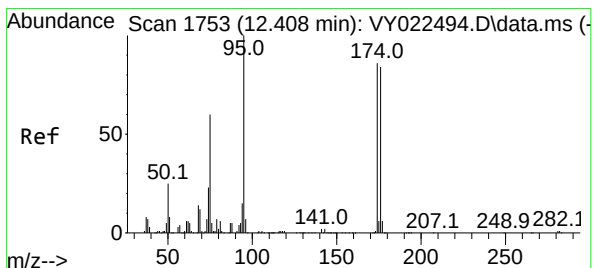
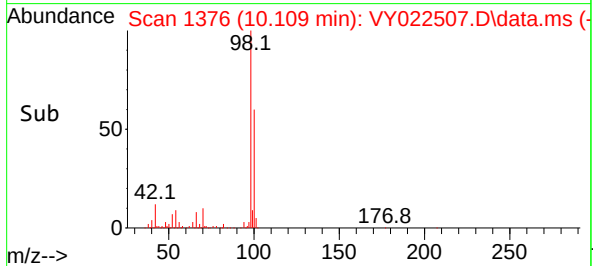
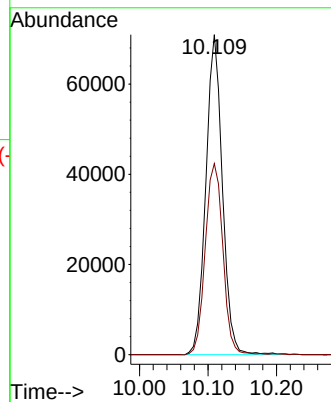
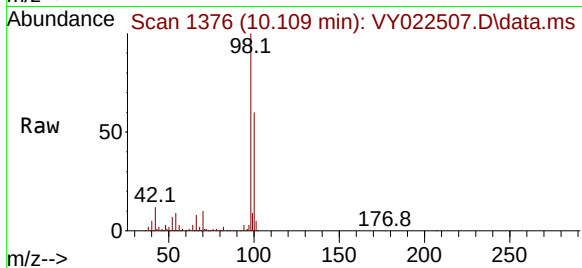
TP-47RE

Tgt Ion: 98 Resp: 119467

Ion Ratio Lower Upper

98 100

100 63.5 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 34.755 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022507.D

Acq: 02 Jun 2025 19:08

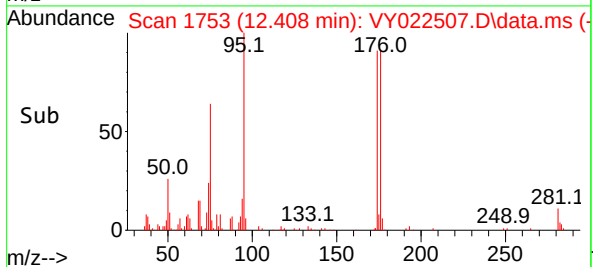
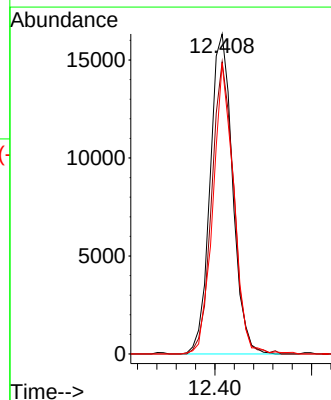
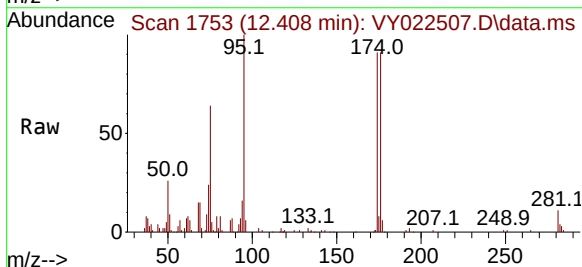
Tgt Ion: 95 Resp: 26331

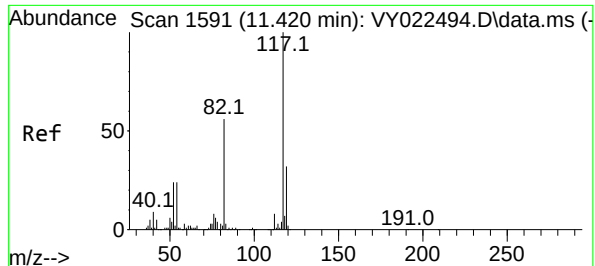
Ion Ratio Lower Upper

95 100

174 89.2 0.0 170.0

176 84.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY022507.D

Acq: 02 Jun 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-47RE

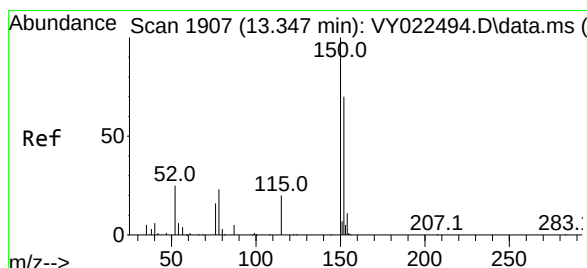
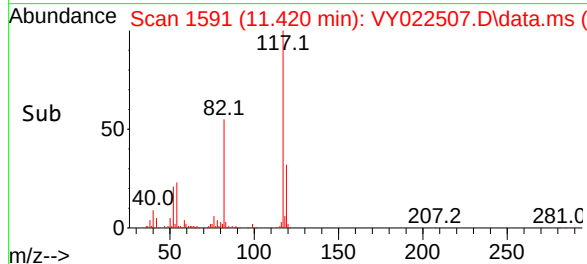
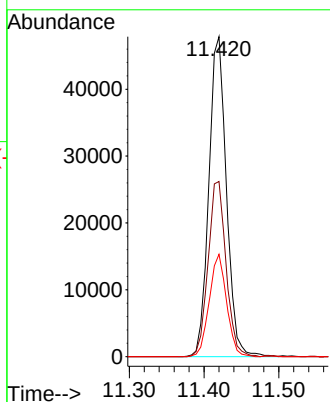
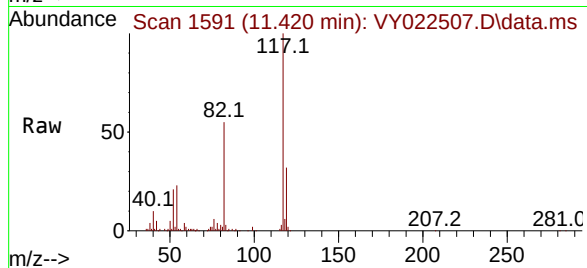
Tgt Ion:117 Resp: 78237

Ion Ratio Lower Upper

117 100

82 54.7 44.6 66.8

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022507.D

Acq: 02 Jun 2025 19:08

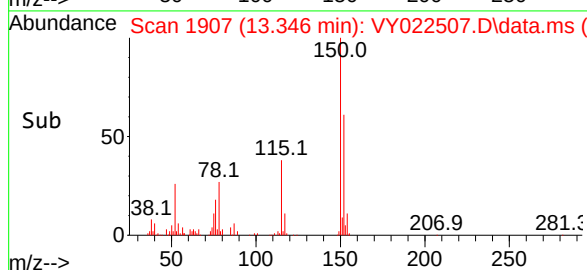
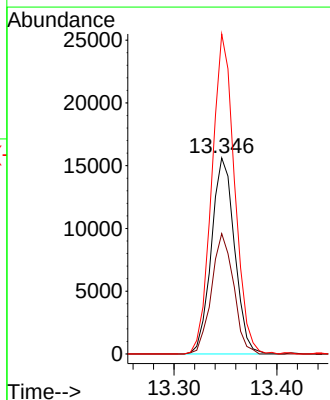
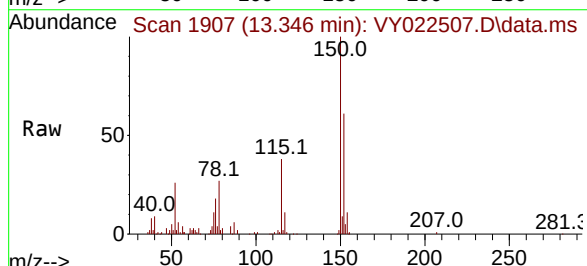
Tgt Ion:152 Resp: 24479

Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.7

150 160.1 0.0 349.6



Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86
Sample Wt/Vol:	7.01 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
VY022465.D	1		05/29/25 14:22	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U	0.95	4.10	ug/Kg
74-87-3	Chloromethane	0.95	U	0.95	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.10	ug/Kg
74-83-9	Bromomethane	0.89	UQ	0.89	4.10	ug/Kg
75-00-3	Chloroethane	1.00	UQ	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.10	ug/Kg
67-64-1	Acetone	3.90	U	3.90	20.7	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.70	U	0.70	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.10	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.7	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.10	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86
Sample Wt/Vol:	7.01	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
VY022465.D	1		05/29/25 14:22	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	20.7	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.30	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.10	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.1		17 - 146	72%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	285000	7.713			
540-36-3	1,4-Difluorobenzene	539000	8.622			
3114-55-4	Chlorobenzene-d5	401000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.346			



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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86
Sample Wt/Vol:	7.01	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
VY022465.D	1		05/29/25 14:22	VY052925

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\VY052925\
Data File : VY022465.D
Acq On : 29 May 2025 14:22
Operator : SY/MD
Sample : Q2150-06
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Quant Time: May 30 05:35:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	284911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	538977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	400662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115590	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	162327	54.091	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.180%
35) Dibromofluoromethane	7.640	113	161633	51.208	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.420%
50) Toluene-d8	10.109	98	633488	49.232	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.408	95	140518	36.103	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.200%

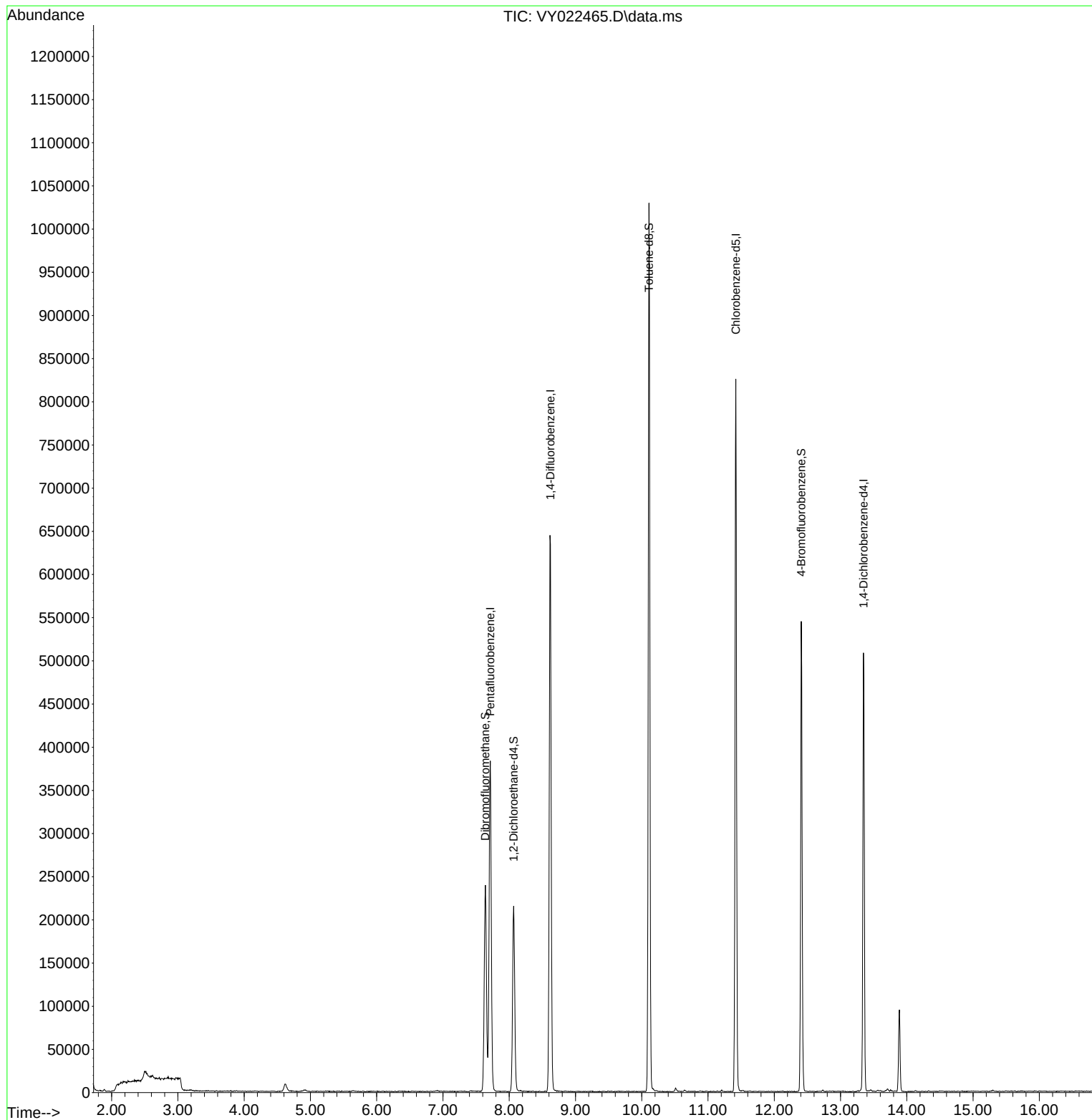
Target Compounds	Qvalue

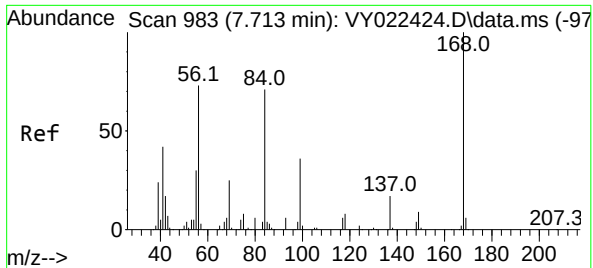
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022465.D
Acq On : 29 May 2025 14:22
Operator : SY/MD
Sample : Q2150-06
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Quant Time: May 30 05:35:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

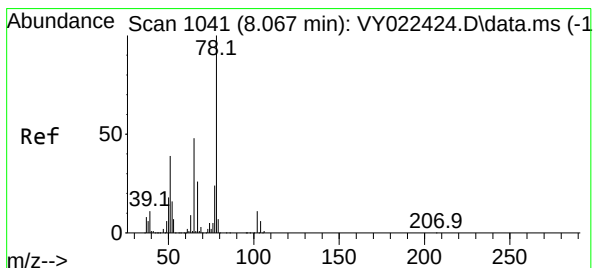
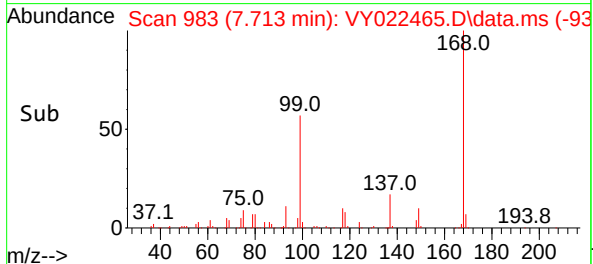
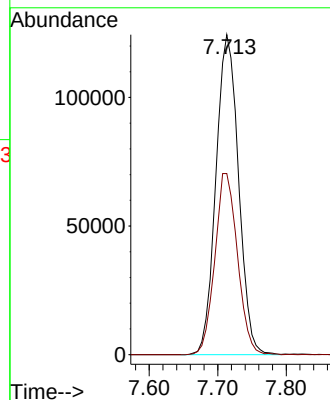
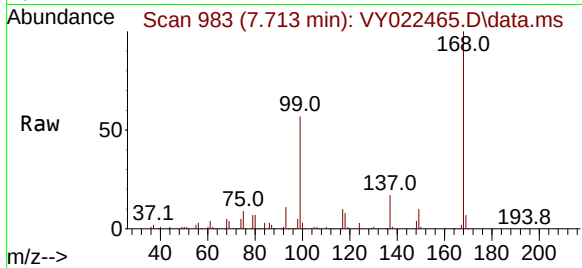




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

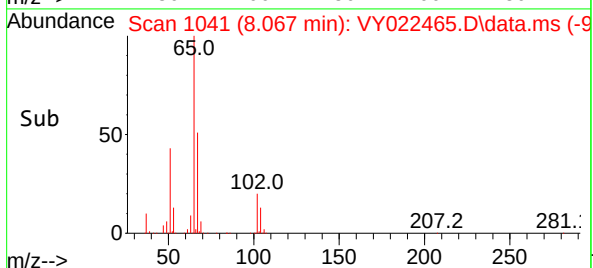
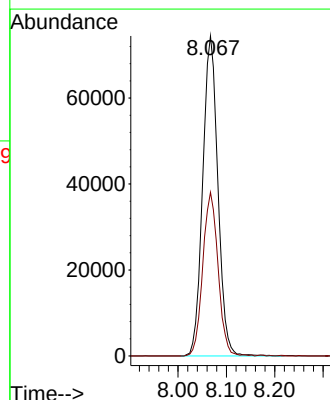
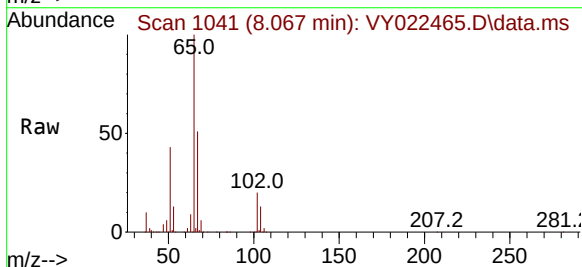
Instrument :
MSVOA_Y
ClientSampleId :
TP-50

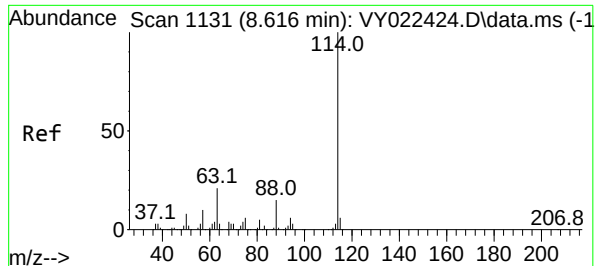
Tgt Ion:168 Resp: 284911
Ion Ratio Lower Upper
168 100
99 56.6 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 54.091 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Tgt Ion: 65 Resp: 162327
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-50

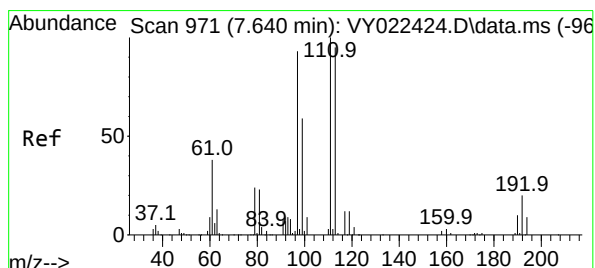
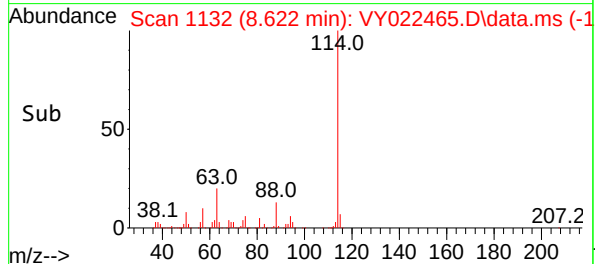
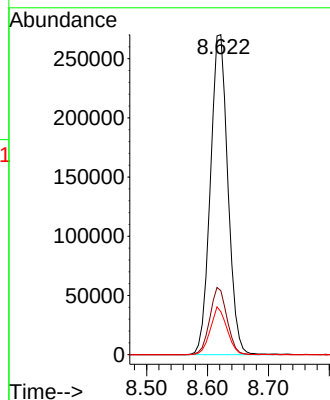
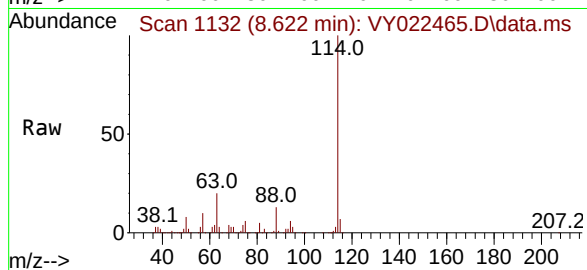
Tgt Ion:114 Resp: 538977

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 13.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.208 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

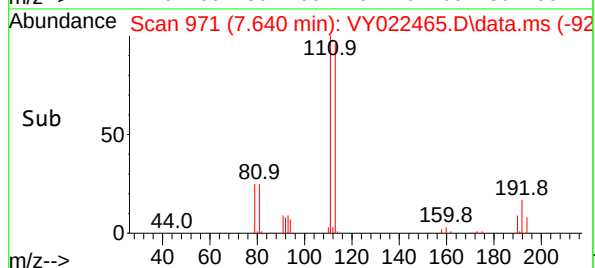
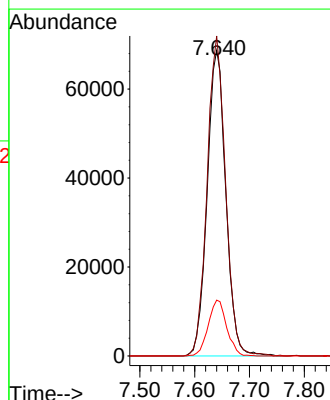
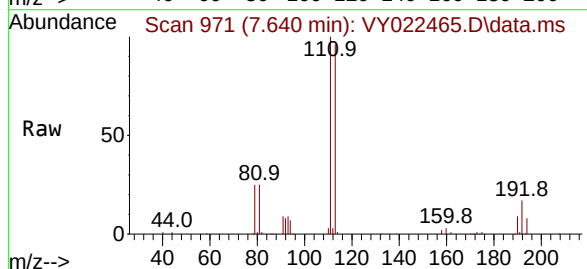
Tgt Ion:113 Resp: 161633

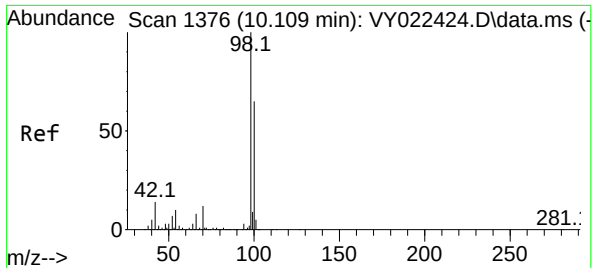
Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

192 18.1 15.2 22.8

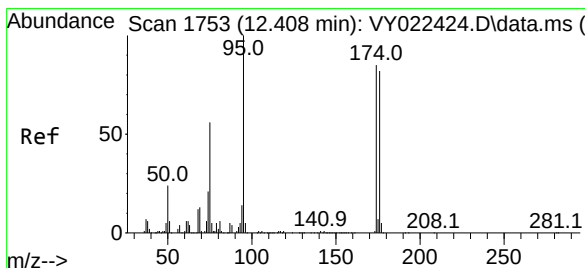
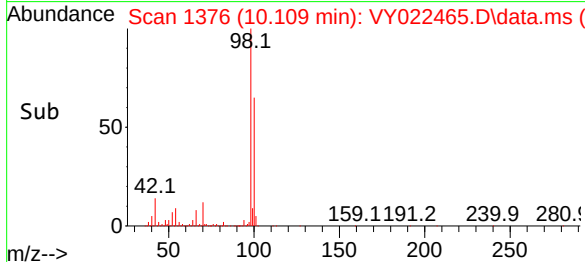
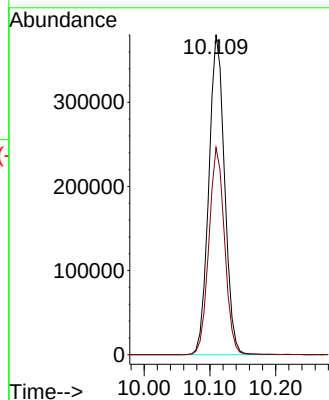
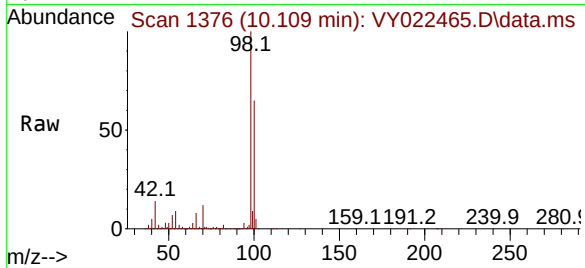




#50
Toluene-d8
Concen: 49.232 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

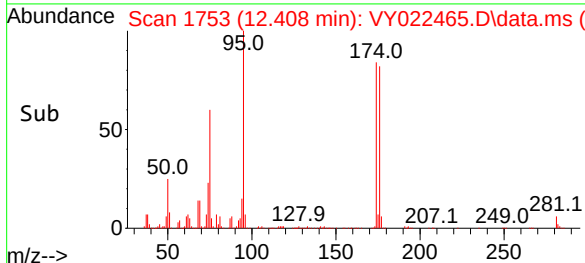
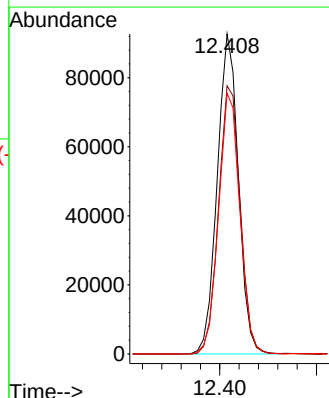
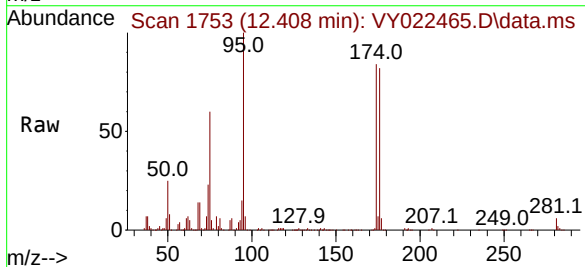
Instrument :
MSVOA_Y
ClientSampleId :
TP-50

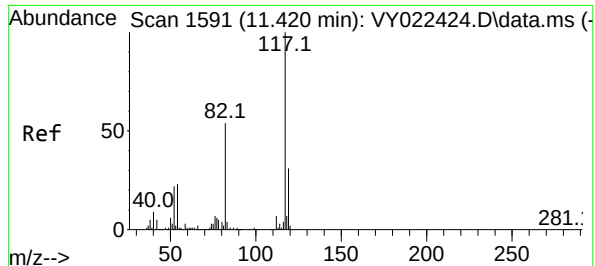
Tgt Ion: 98 Resp: 633488
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 36.103 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Tgt Ion: 95 Resp: 140518
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 82.2 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-50

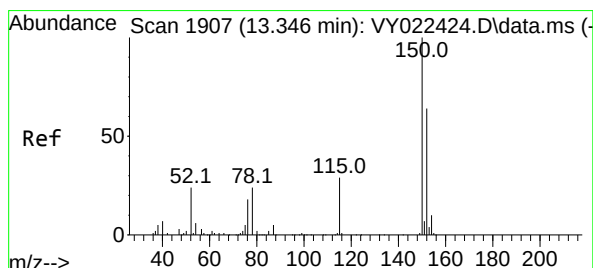
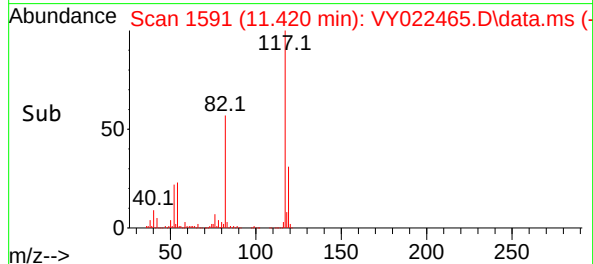
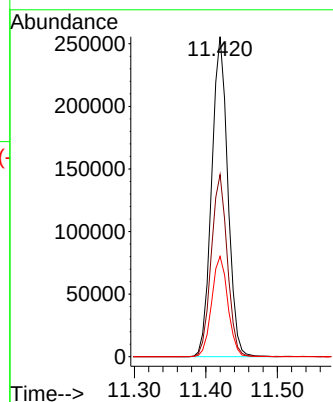
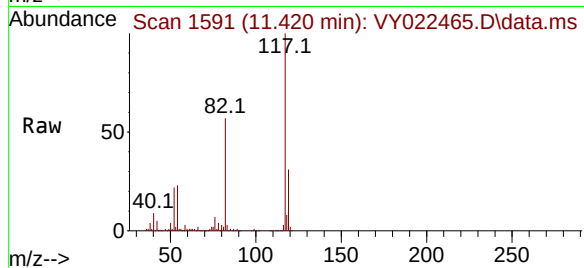
Tgt Ion:117 Resp: 400662

Ion Ratio Lower Upper

117 100

82 56.9 43.3 64.9

119 31.4 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

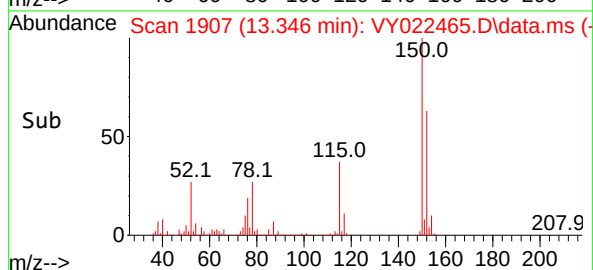
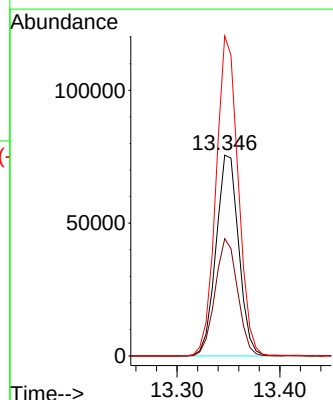
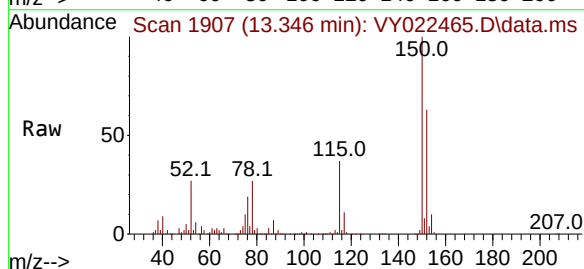
Tgt Ion:152 Resp: 115590

Ion Ratio Lower Upper

152 100

115 58.2 28.4 85.3

150 156.2 0.0 345.8



Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.53 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
VY022466.D	1		05/29/25 14:46	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.90	U	0.90	4.00	ug/Kg
74-87-3	Chloromethane	0.90	U	0.90	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.00	ug/Kg
74-83-9	Bromomethane	0.85	UQ	0.85	4.00	ug/Kg
75-00-3	Chloroethane	1.00	UQ	1.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.96	U	0.96	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.84	U	0.84	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.79	U	0.79	4.00	ug/Kg
67-64-1	Acetone	48.0		3.80	19.8	ug/Kg
75-15-0	Carbon Disulfide	0.84	U	0.84	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.00	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.00	ug/Kg
75-09-2	Methylene Chloride	3.10	J	2.80	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.68	U	0.68	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.00	ug/Kg
78-93-3	2-Butanone	9.10	J	5.20	19.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	U	0.77	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.59	U	0.59	4.00	ug/Kg
74-97-5	Bromochloromethane	0.91	U	0.91	4.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.72	U	0.72	4.00	ug/Kg
71-43-2	Benzene	2.80	J	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	0.64	U	0.64	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.72	U	0.72	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.80	U	2.80	19.8	ug/Kg
108-88-3	Toluene	0.62	U	0.62	4.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.53	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
VY022466.D	1		05/29/25 14:46	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.73	U	0.73	4.00	ug/Kg
591-78-6	2-Hexanone	2.90	U	2.90	19.8	ug/Kg
124-48-1	Dibromochloromethane	0.69	U	0.69	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.70	U	0.70	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	4.00	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.53	U	0.53	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	J	0.98	7.90	ug/Kg
95-47-6	o-Xylene	0.65	U	0.65	4.00	ug/Kg
100-42-5	Styrene	0.56	U	0.56	4.00	ug/Kg
75-25-2	Bromoform	0.68	U	0.68	4.00	ug/Kg
98-82-8	Isopropylbenzene	2.90	J	0.62	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.96	U	0.96	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	4.00	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.4	63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4	70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	49.6	74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.0	17 - 146	70%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	267000	7.713
540-36-3	1,4-Difluorobenzene	486000	8.616
3114-55-4	Chlorobenzene-d5	363000	11.42
3855-82-1	1,4-Dichlorobenzene-d4	99700	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.53 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
VY022466.D	1		05/29/25 14:46	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000611-14-3	Benzene, 1-ethyl-2-methyl-	4.50	J		12.7	ug/Kg
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	7.00	J		13.9	ug/Kg
003789-85-3	Salicylic acid, 2TMS derivative	7.00	J		13.9	ug/Kg
006049-82-7	Pentacyclo[6.3.1.0(2,7).0(3,5).0(9	5.00	J		14.3	ug/Kg
001541-20-4	Bi-2-cyclohexen-1-yl	5.30	J		15.0	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\VY052925\
 Data File : VY022466.D
 Acq On : 29 May 2025 14:46
 Operator : SY/MD
 Sample : Q2150-07
 Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-51

Quant Time: May 30 05:35:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

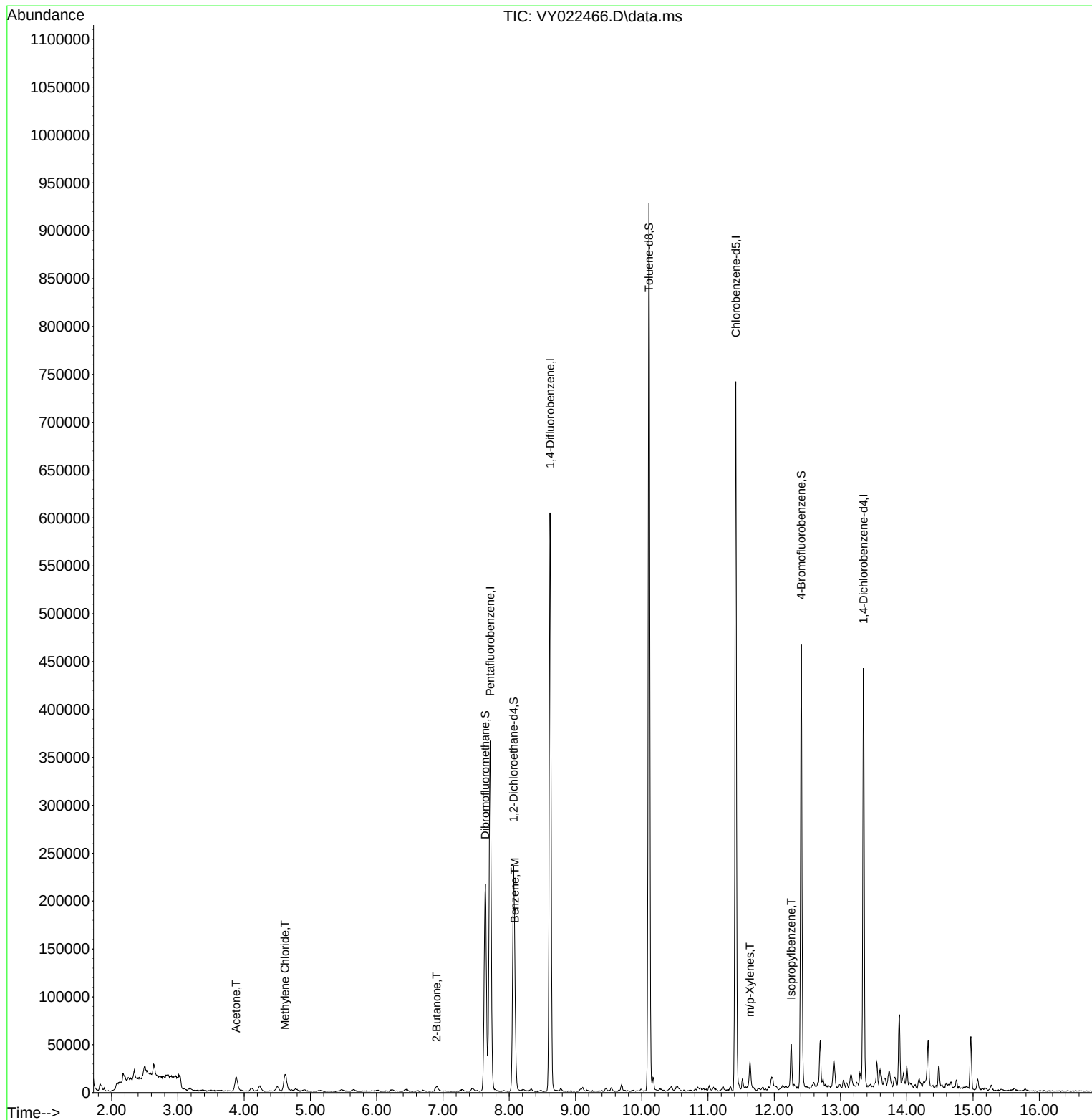
Internal Standards						
1) Pentafluorobenzene	7.713	168	266889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	362765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	99703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	155794	55.420	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.840%
35) Dibromofluoromethane	7.640	113	149024	52.377	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.760%
50) Toluene-d8	10.109	98	575624	49.629	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.260%
62) 4-Bromofluorobenzene	12.408	95	122932	35.039	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.080%
Target Compounds						
16) Acetone	3.879	43	27941	60.486	ug/l	92
20) Methylene Chloride	4.616	84	12702	3.894	ug/l	95
25) 2-Butanone	6.902	43	8812	11.454	ug/l #	85
40) Benzene	8.085	78	47372	3.526	ug/l	93
68) m/p-Xylenes	11.633	106	8212	1.508	ug/l	98
73) Isopropylbenzene	12.255	105	28214	3.596	ug/l	99

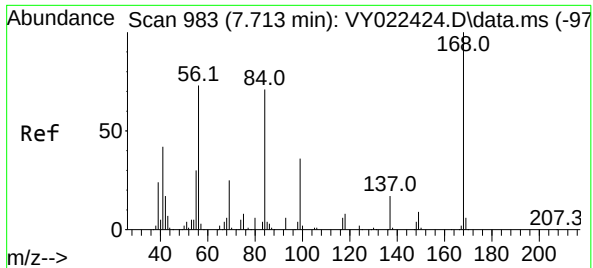
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Quant Time: May 30 05:35:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

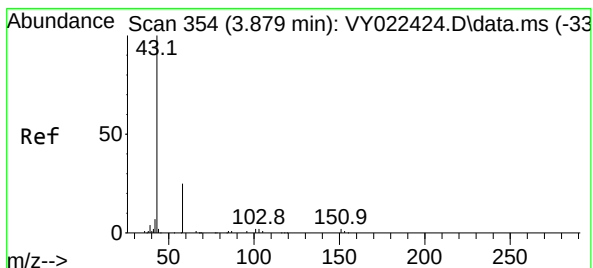
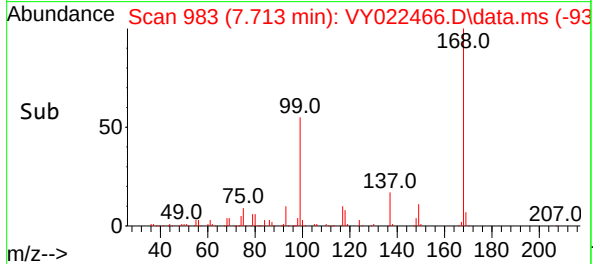
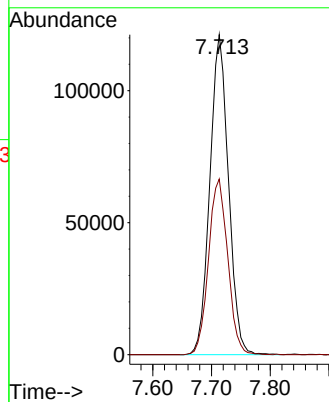
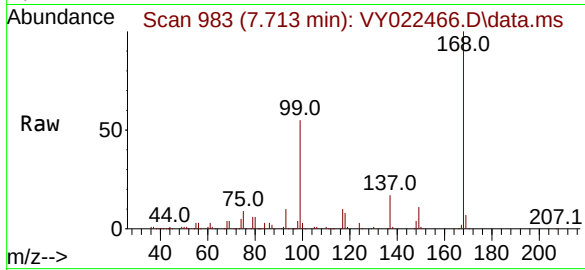




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

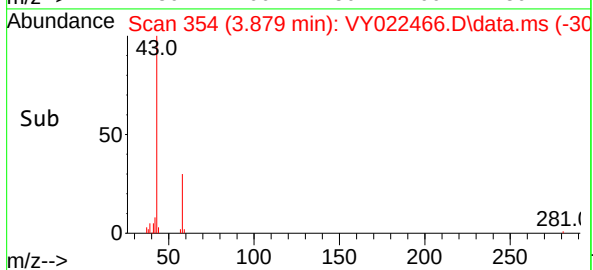
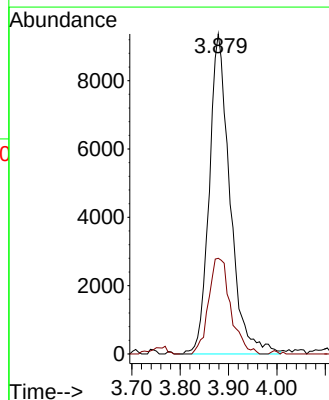
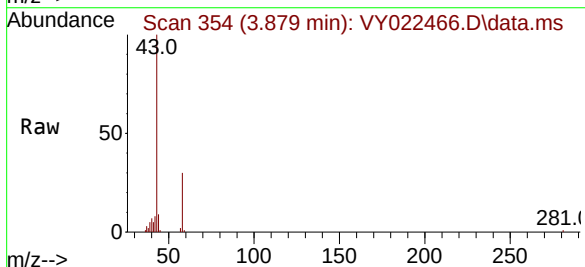
Instrument :
MSVOA_Y
ClientSampleId :
TP-51

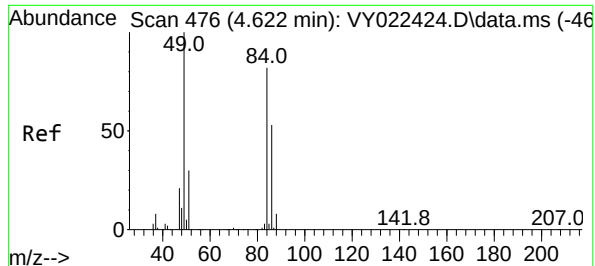
Tgt Ion:168 Resp: 266889
Ion Ratio Lower Upper
168 100
99 54.9 44.7 67.1



#16
Acetone
Concen: 60.486 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion: 43 Resp: 27941
Ion Ratio Lower Upper
43 100
58 29.9 20.6 30.8





#20

Methylene Chloride

Concen: 3.894 ug/l

RT: 4.616 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

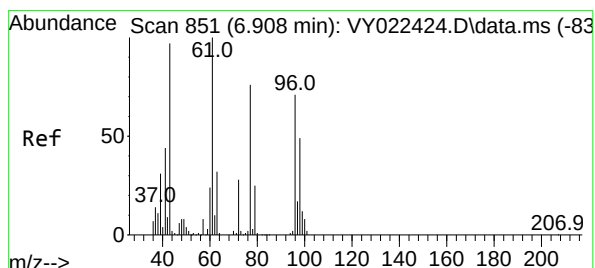
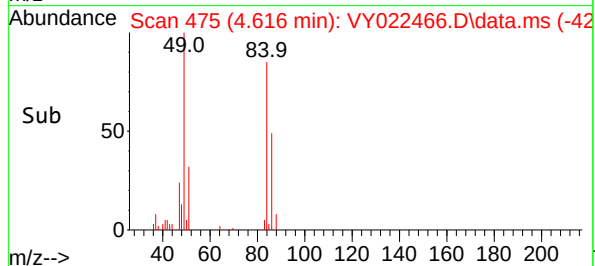
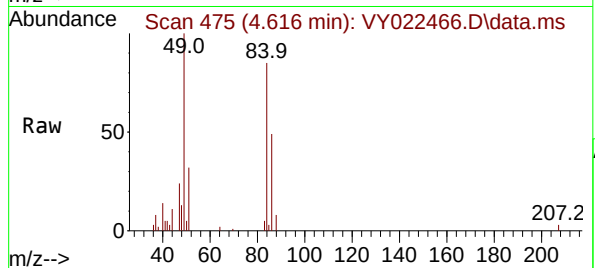
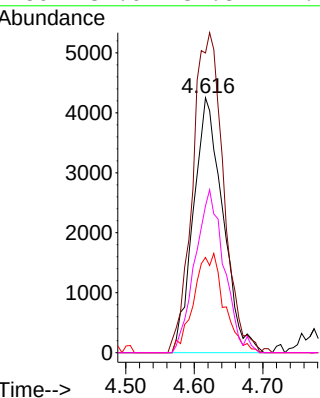
MSVOA_Y

ClientSampleId :

TP-51

Tgt Ion: 84 Resp: 12702

Ion	Ratio	Lower	Upper
84	100		
49	117.6	97.8	146.8
51	37.4	29.5	44.3
86	57.6	51.8	77.6



#25

2-Butanone

Concen: 11.454 ug/l

RT: 6.902 min Scan# 850

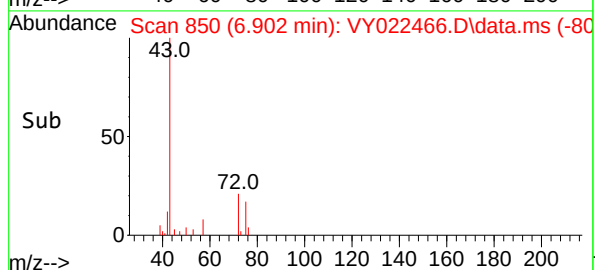
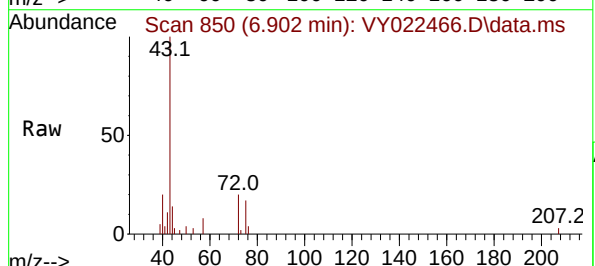
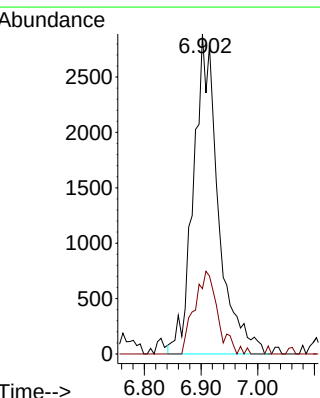
Delta R.T. -0.006 min

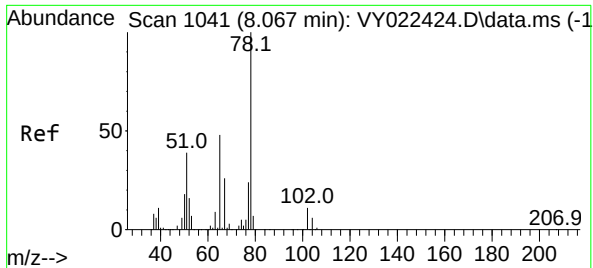
Lab File: VY022466.D

Acq: 29 May 2025 14:46

Tgt Ion: 43 Resp: 8812

Ion	Ratio	Lower	Upper
43	100		
72	20.4	22.8	34.2#





#33

1,2-Dichloroethane-d4

Concen: 55.420 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

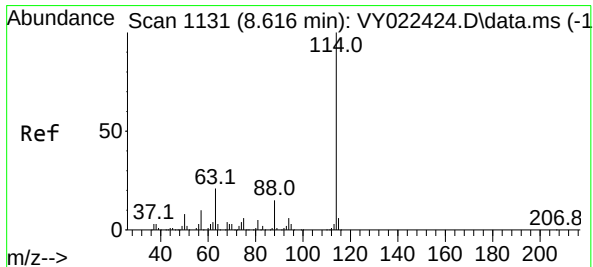
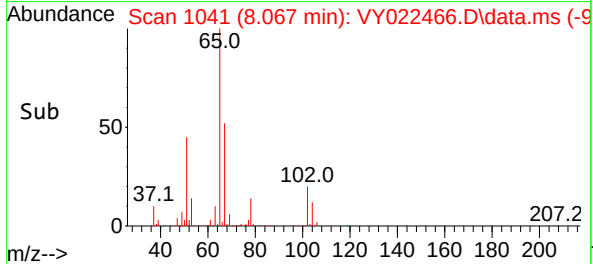
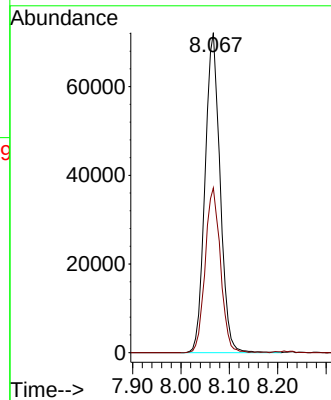
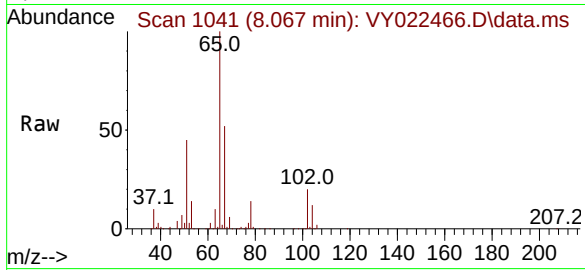
TP-51

Tgt Ion: 65 Resp: 155794

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

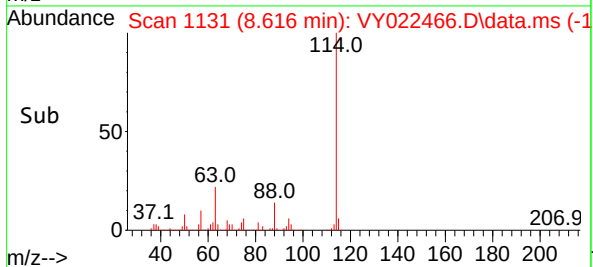
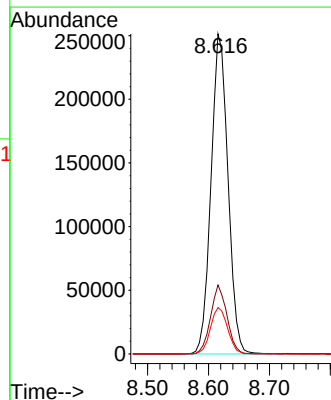
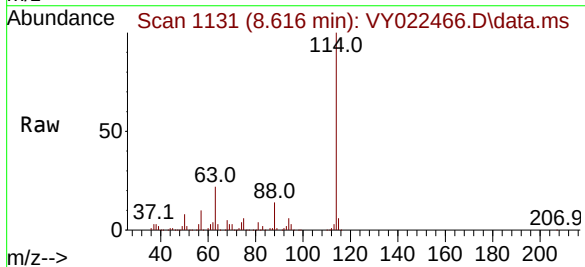
Tgt Ion: 114 Resp: 485834

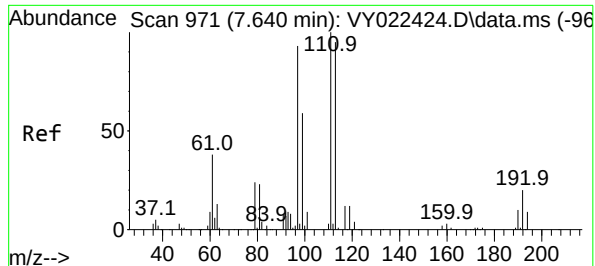
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 14.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 52.377 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

TP-51

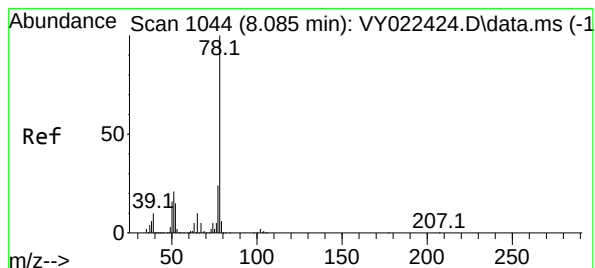
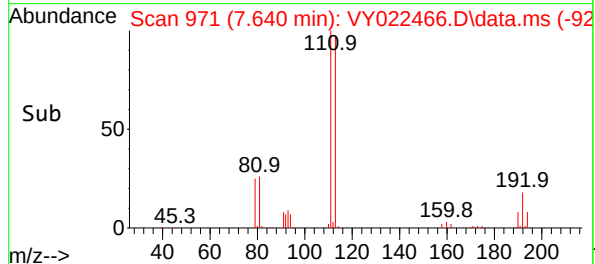
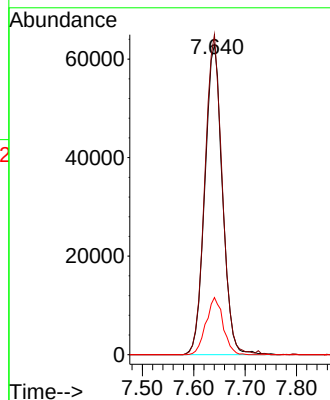
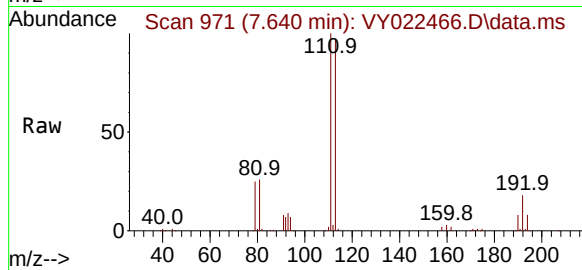
Tgt Ion:113 Resp: 149024

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

192 18.0 15.2 22.8



#40

Benzene

Concen: 3.526 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VY022466.D

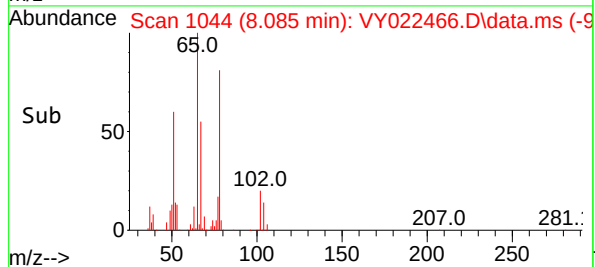
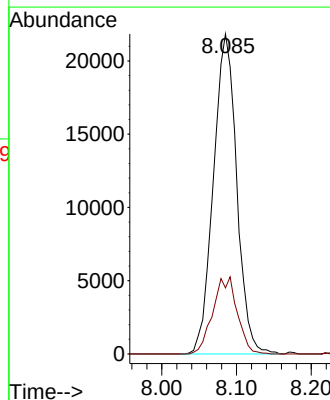
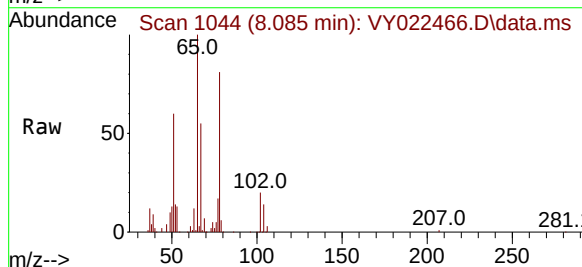
Acq: 29 May 2025 14:46

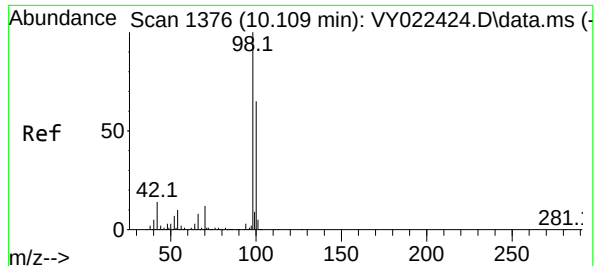
Tgt Ion: 78 Resp: 47372

Ion Ratio Lower Upper

78 100

77 20.7 19.4 29.2





#50

Toluene-d8

Concen: 49.629 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

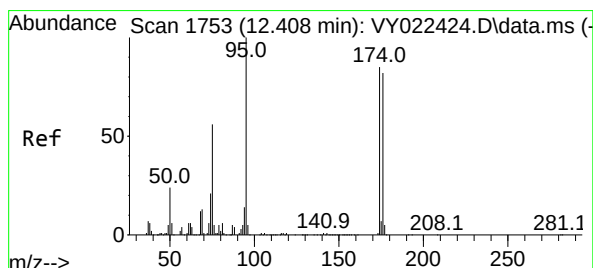
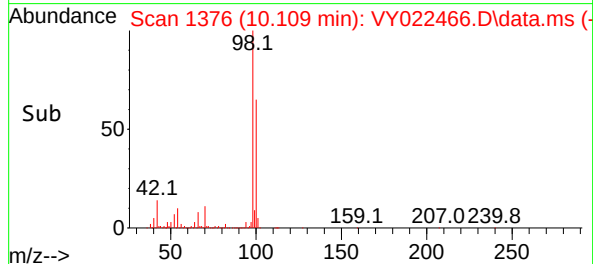
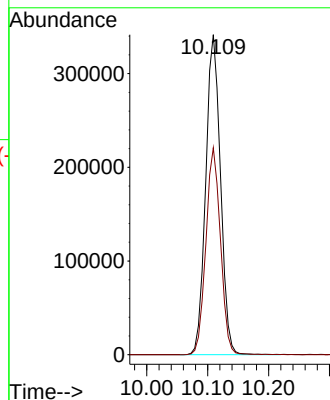
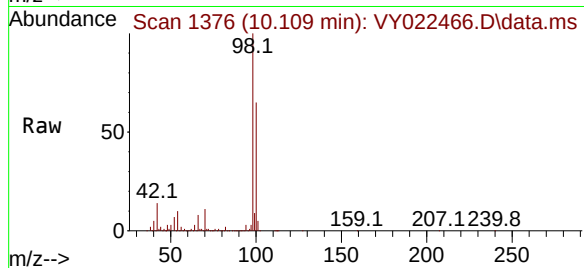
TP-51

Tgt Ion: 98 Resp: 575624

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 35.039 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

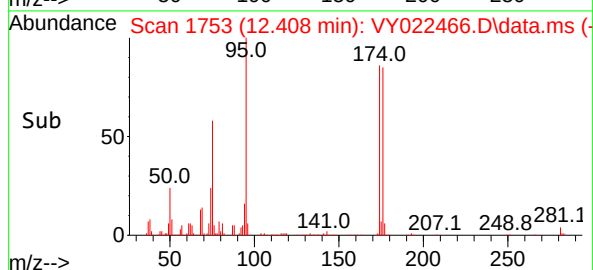
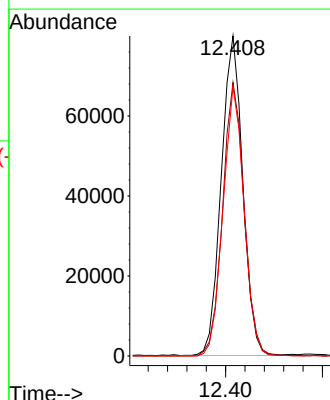
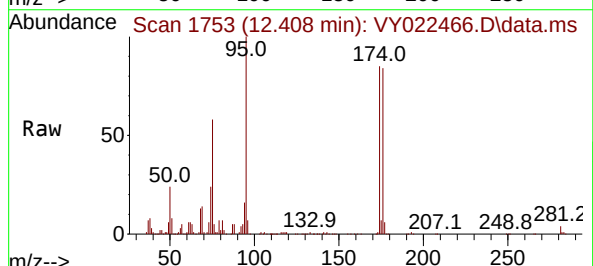
Tgt Ion: 95 Resp: 122932

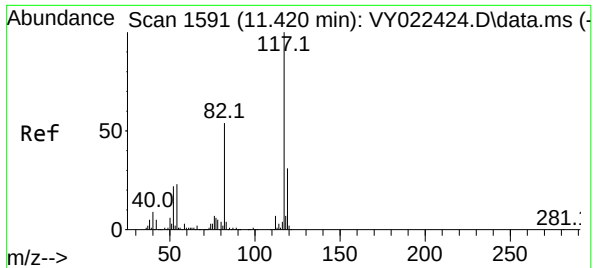
Ion Ratio Lower Upper

95 100

174 85.7 0.0 171.6

176 82.6 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

TP-51

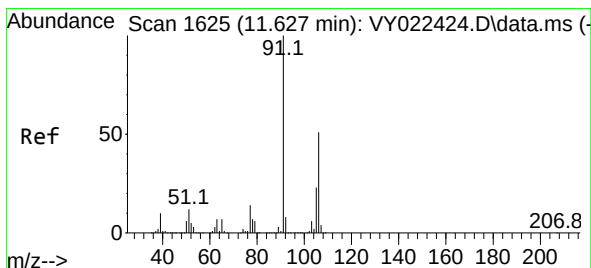
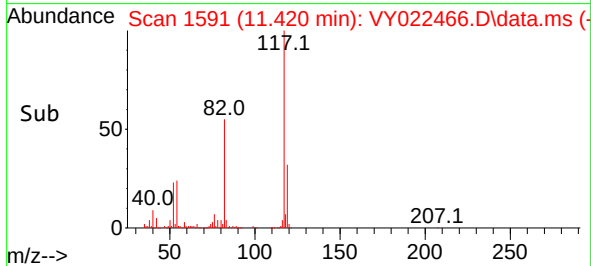
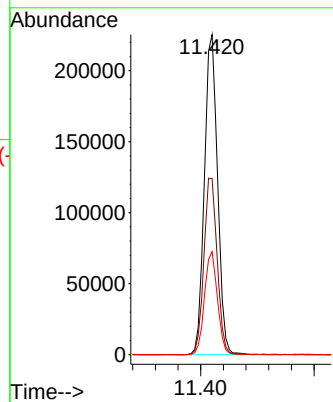
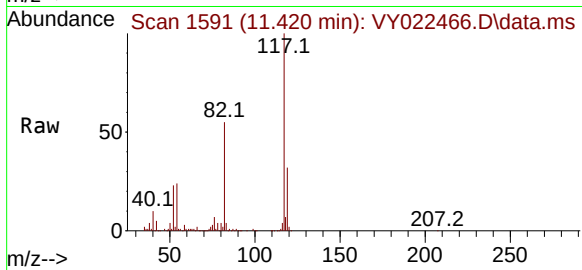
Tgt Ion:117 Resp: 362765

Ion Ratio Lower Upper

117 100

82 55.0 43.3 64.9

119 32.2 24.5 36.7



#68

m/p-Xylenes

Concen: 1.508 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY022466.D

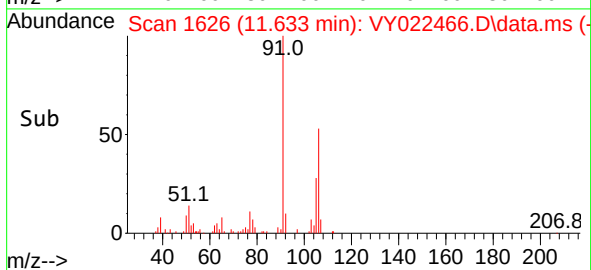
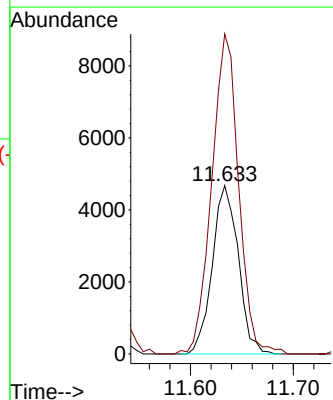
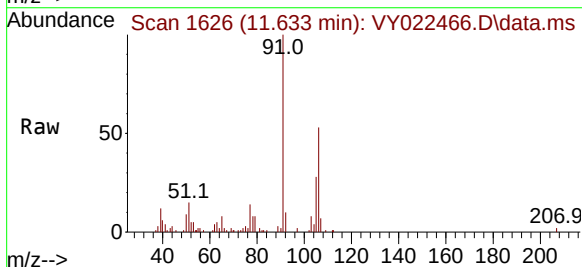
Acq: 29 May 2025 14:46

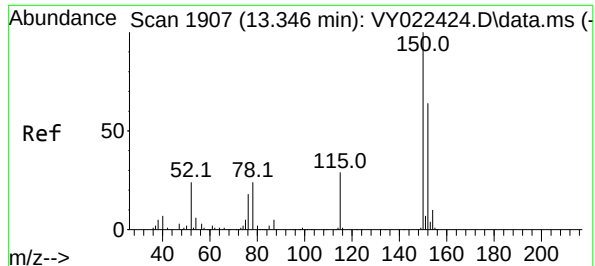
Tgt Ion:106 Resp: 8212

Ion Ratio Lower Upper

106 100

91 196.8 159.8 239.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

TP-51

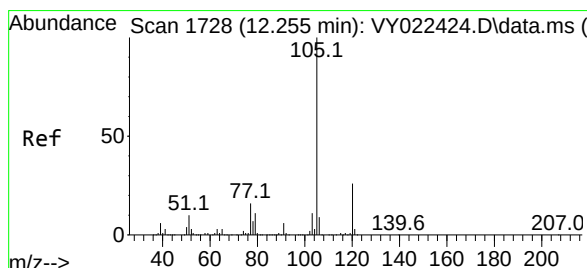
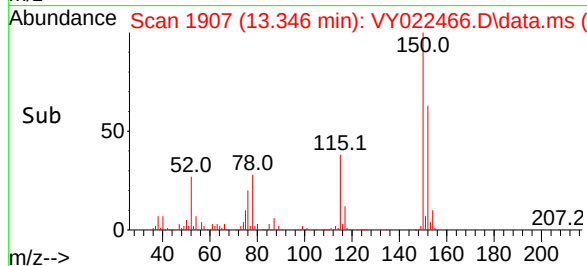
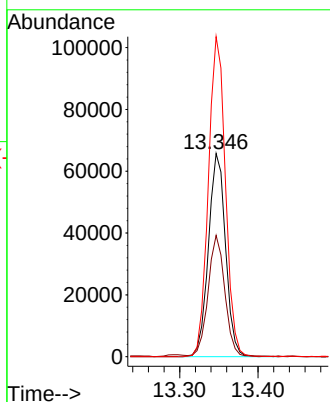
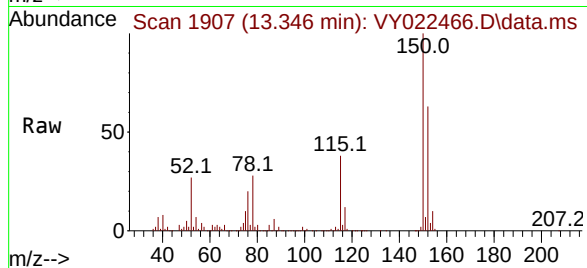
Tgt Ion:152 Resp: 99703

Ion Ratio Lower Upper

152 100

115 58.4 28.4 85.3

150 156.5 0.0 345.8



#73

Isopropylbenzene

Concen: 3.596 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY022466.D

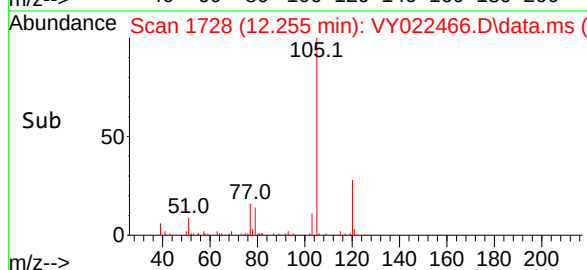
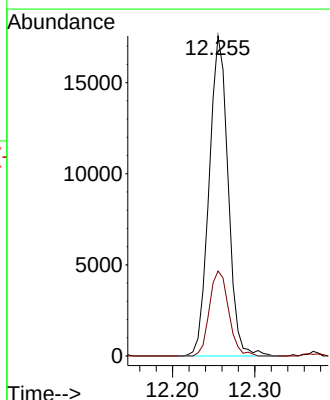
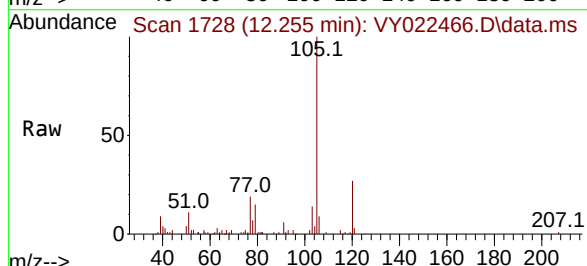
Acq: 29 May 2025 14:46

Tgt Ion:105 Resp: 28214

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5



Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.75 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
VY022467.D	1		05/29/25 15:09	VY052925

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	UQ	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.30	UQ	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	10.1	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	6.60	U	6.60	25.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.98	U	0.98	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	0.94	U	0.94	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.92	U	0.92	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	0.92	U	0.92	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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.75 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
VY022467.D	1		05/29/25 15:09	VY052925

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	0.93	U	0.93	5.10	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.4	ug/Kg
124-48-1	Dibromochloromethane	0.88	U	0.88	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.89	U	0.89	5.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	0.92	U	0.92	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	10.1	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	51.7		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.8		17 - 146	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.713			
540-36-3	1,4-Difluorobenzene	522000	8.621			
3114-55-4	Chlorobenzene-d5	405000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.75	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
VY022467.D	1		05/29/25 15:09	VY052925

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\VY052925\
 Data File : VY022467.D
 Acq On : 29 May 2025 15:09
 Operator : SY/MD
 Sample : Q2150-08
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-52

Quant Time: May 30 05:35:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	286667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	522350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	404746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	132959	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	156210	51.734	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.460%
35) Dibromofluoromethane	7.640	113	156902	51.291	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.580%
50) Toluene-d8	10.109	98	623120	49.968	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.940%
62) 4-Bromofluorobenzene	12.407	95	146524	38.844	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.680%

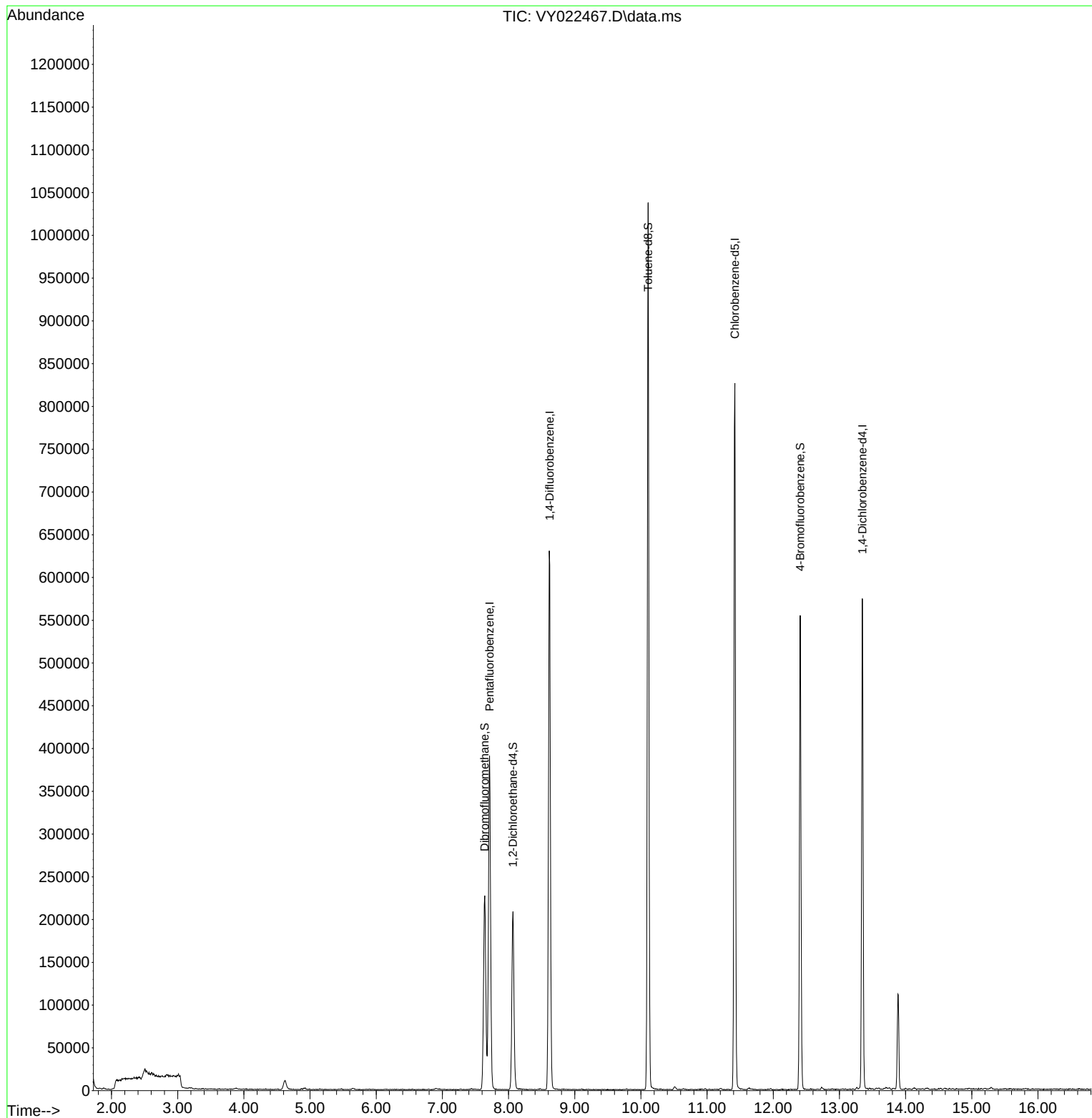
Target Compounds	Qvalue

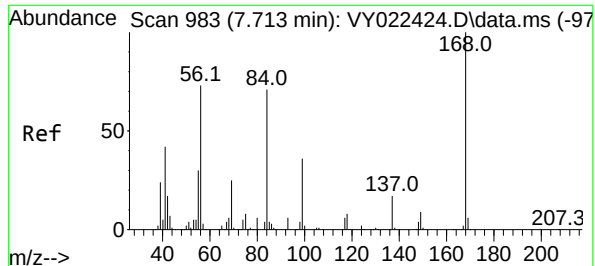
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022467.D
Acq On : 29 May 2025 15:09
Operator : SY/MD
Sample : Q2150-08
Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

Quant Time: May 30 05:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

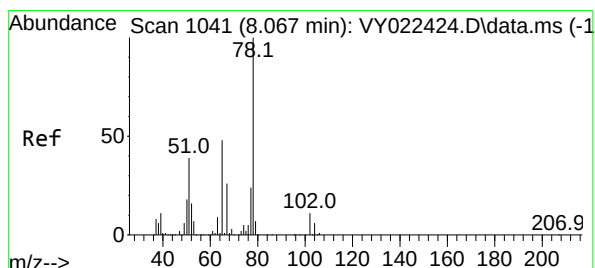
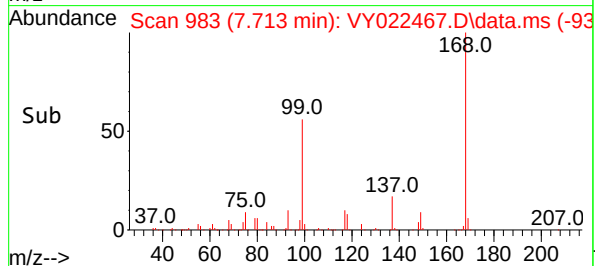
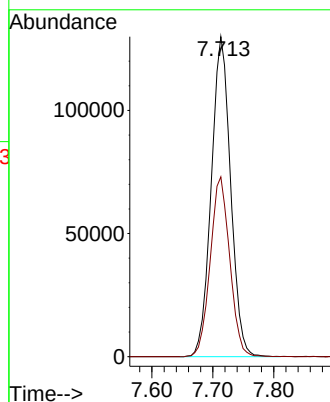
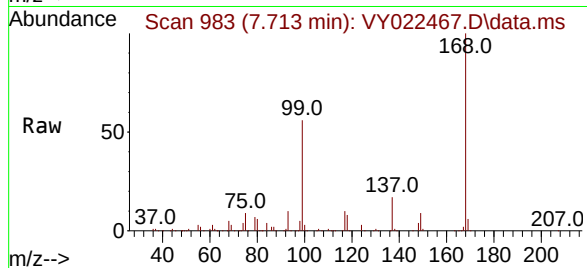




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

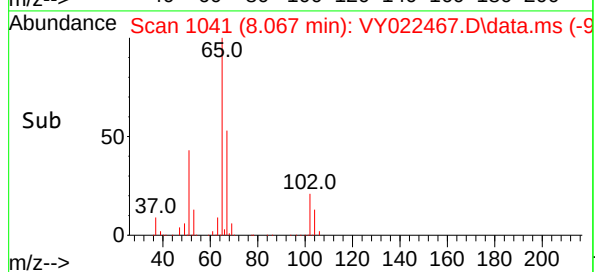
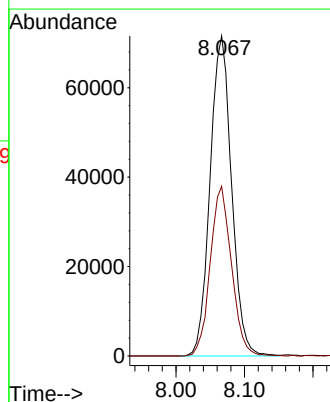
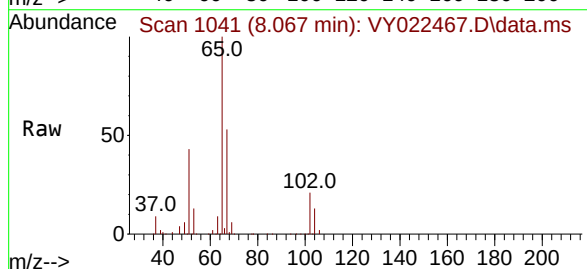
Instrument :
MSVOA_Y
ClientSampleId :
TP-52

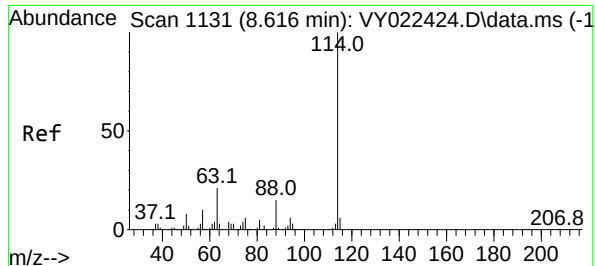
Tgt Ion:168 Resp: 286667
Ion Ratio Lower Upper
168 100
99 56.2 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 51.734 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion: 65 Resp: 156210
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-52

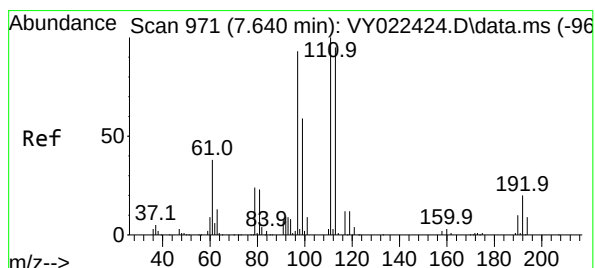
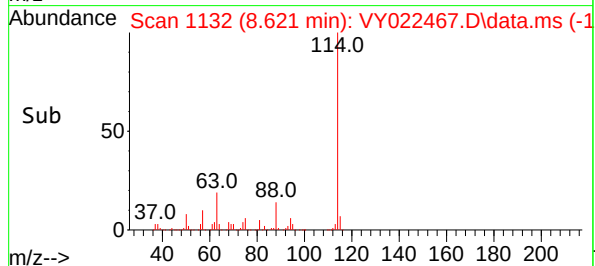
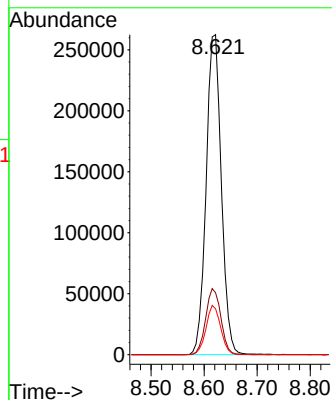
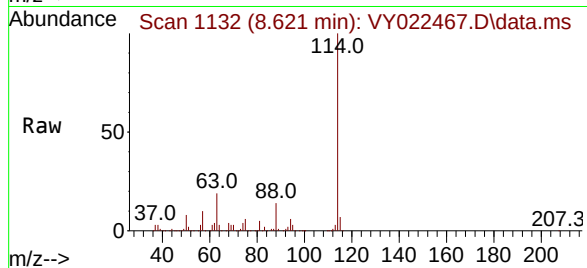
Tgt Ion:114 Resp: 522350

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

88 14.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.291 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

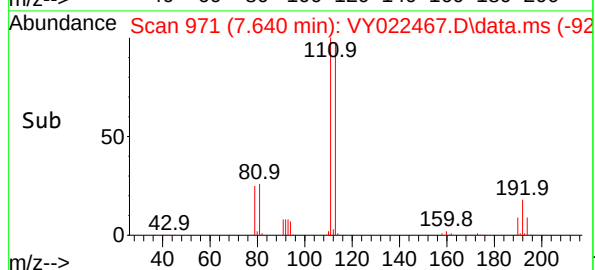
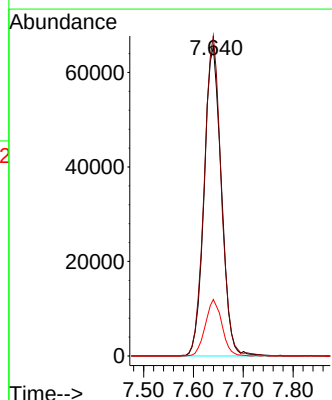
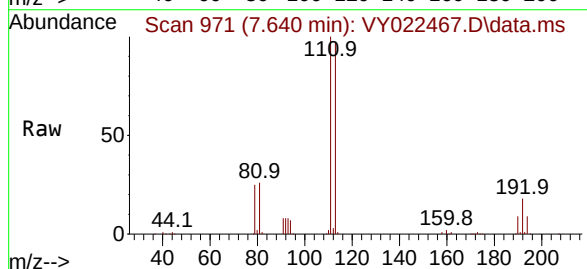
Tgt Ion:113 Resp: 156902

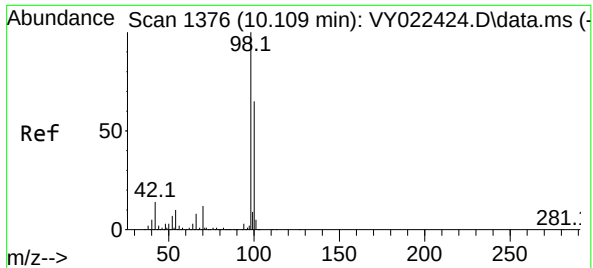
Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

192 17.6 15.2 22.8

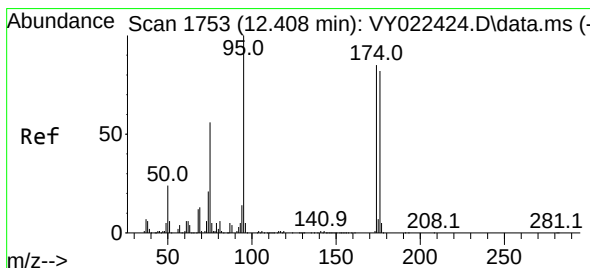
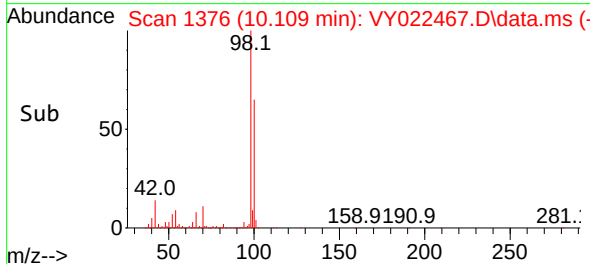
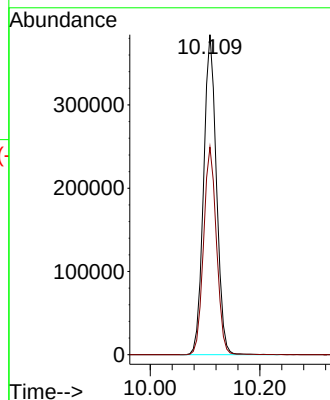
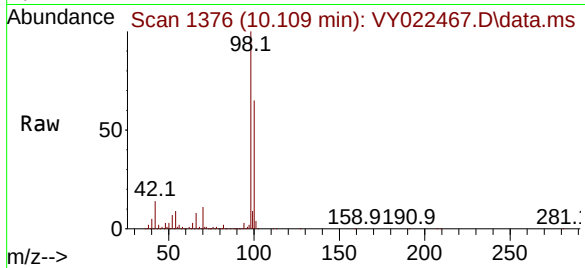




#50
Toluene-d8
Concen: 49.968 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

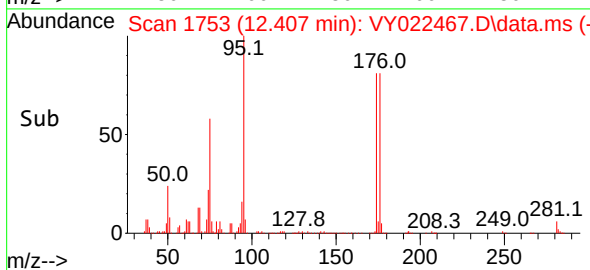
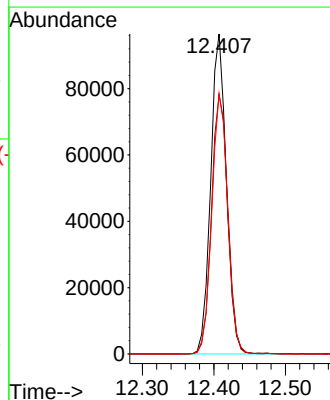
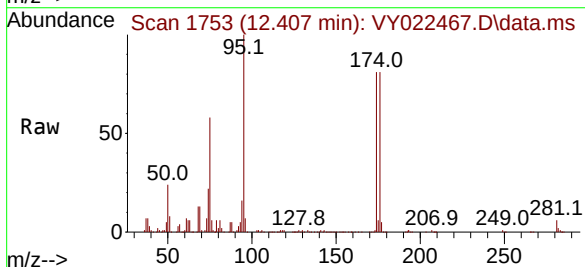
Instrument :
MSVOA_Y
ClientSampleId :
TP-52

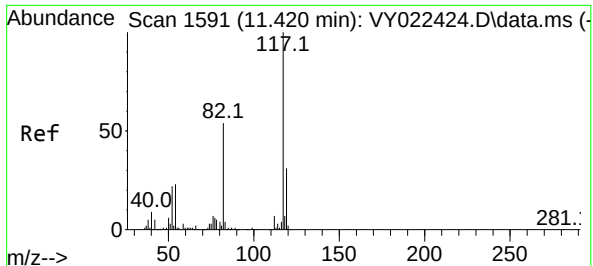
Tgt Ion: 98 Resp: 623120
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 38.844 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion: 95 Resp: 146524
Ion Ratio Lower Upper
95 100
174 84.7 0.0 171.6
176 82.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-52

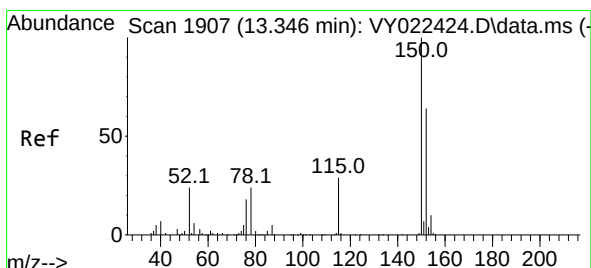
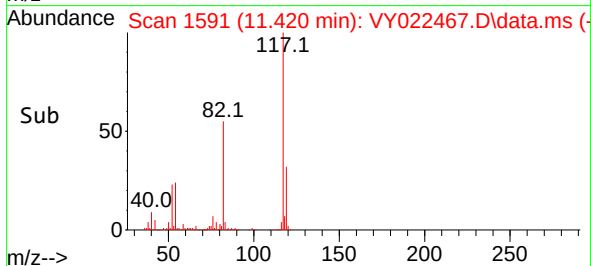
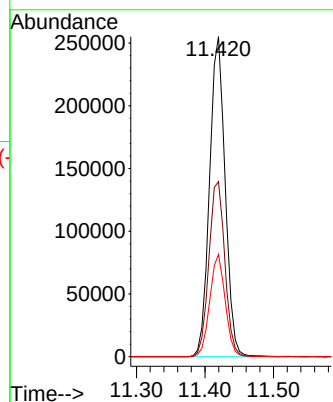
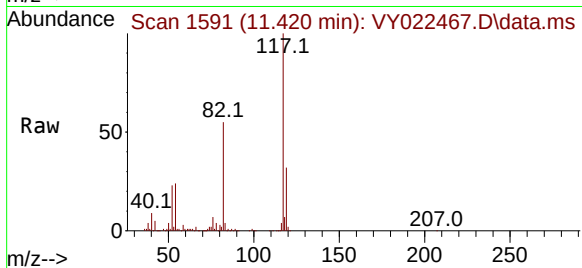
Tgt Ion:117 Resp: 404746

Ion Ratio Lower Upper

117 100

82 54.7 43.3 64.9

119 32.0 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

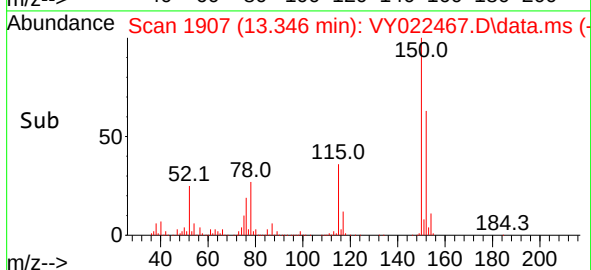
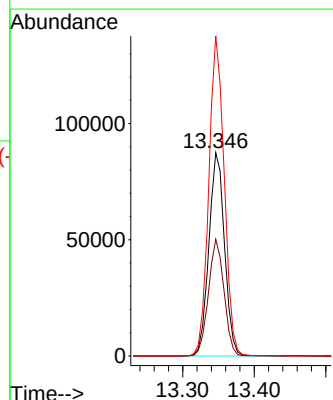
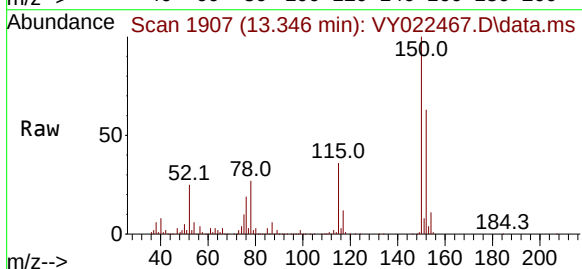
Tgt Ion:152 Resp: 132959

Ion Ratio Lower Upper

152 100

115 57.0 28.4 85.3

150 155.0 0.0 345.8



Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.6
Sample Wt/Vol:	7.85 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
VY022468.D	1		05/29/25 15:33	VY052925

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	UQ	0.82	3.80	ug/Kg
75-00-3	Chloroethane	0.96	UQ	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	21.8		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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.6
Sample Wt/Vol:	7.85	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID :	Level :	LOW
	0.25		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022468.D	1		05/29/25 15:33	VY052925

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	52.6	63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7	70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.4	74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.7	17 - 146	79%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	283000	7.713
540-36-3	1,4-Difluorobenzene	518000	8.616
3114-55-4	Chlorobenzene-d5	407000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.347

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.6
Sample Wt/Vol:	7.85 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
VY022468.D	1		05/29/25 15:33	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	6.00	J		13.9	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\VY052925\
 Data File : VY022468.D
 Acq On : 29 May 2025 15:33
 Operator : SY/MD
 Sample : Q2150-09
 Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-54

Quant Time: May 30 05:36:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

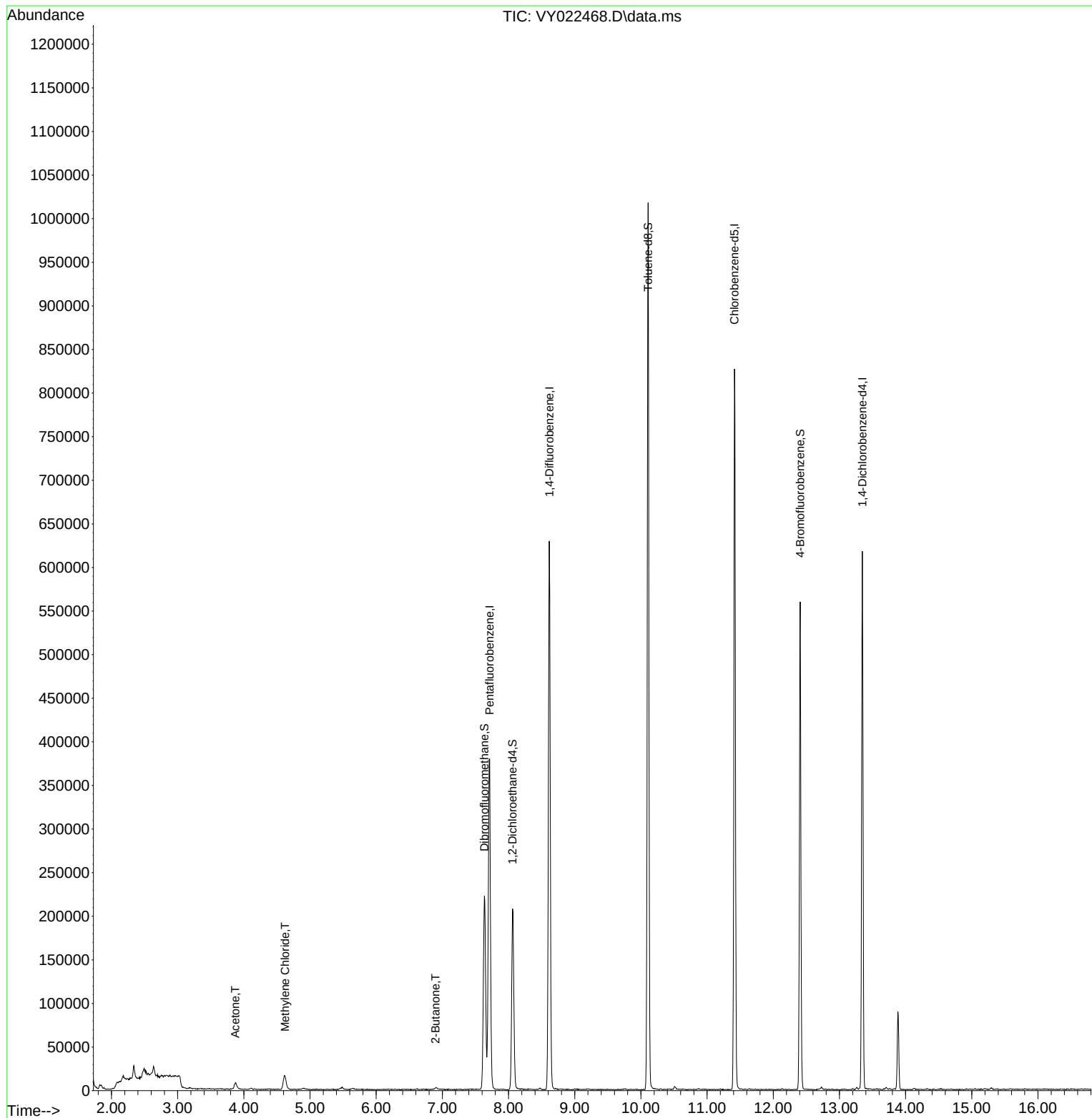
Internal Standards						
1) Pentafluorobenzene	7.713	168	283443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	517546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	406523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	140553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156979	52.580	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.160%	
35) Dibromofluoromethane	7.634	113	153619	50.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.360%	
50) Toluene-d8	10.109	98	623100	50.430	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.860%	
62) 4-Bromofluorobenzene	12.408	95	148270	39.672	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.340%	
Target Compounds						
						Qvalue
16) Acetone	3.873	43	14067	28.673	ug/l	93
20) Methylene Chloride	4.623	84	11504	3.321	ug/l	97
25) 2-Butanone	6.897	43	3275	4.008	ug/l	99

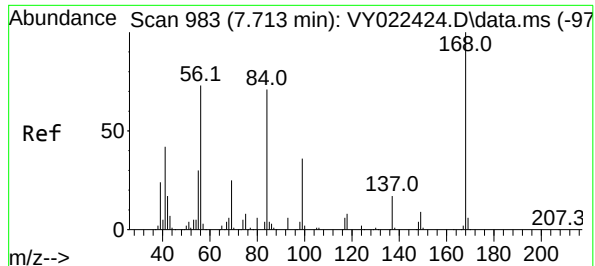
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022468.D
Acq On : 29 May 2025 15:33
Operator : SY/MD
Sample : Q2150-09
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

Quant Time: May 30 05:36:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

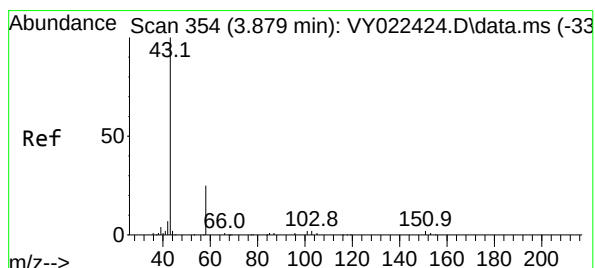
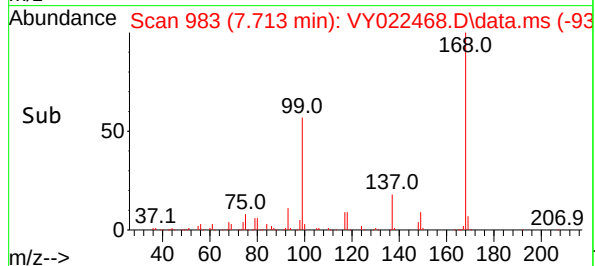
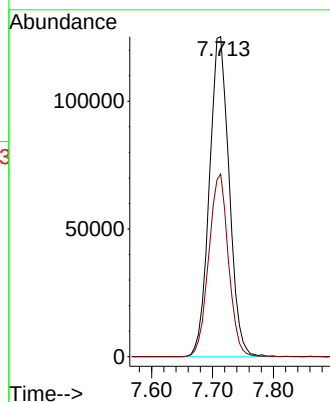
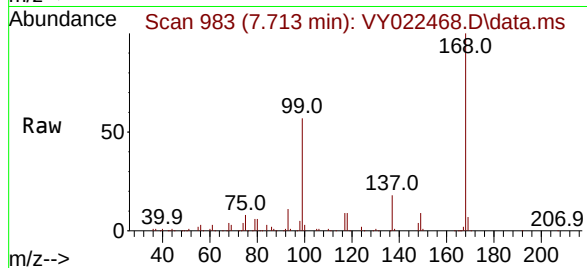




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

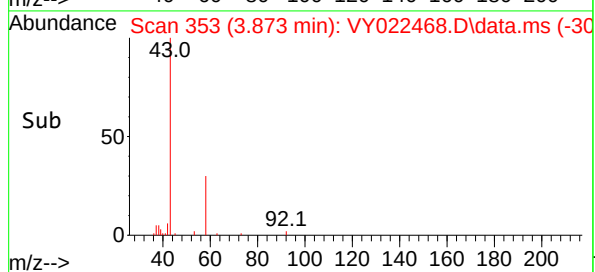
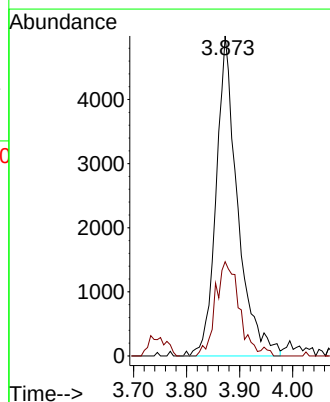
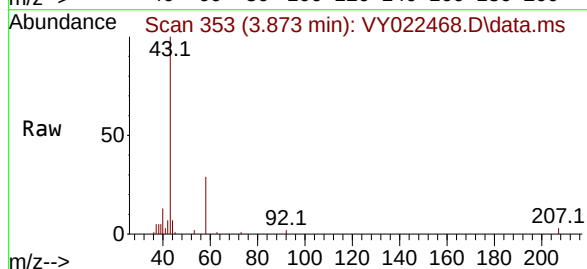
Instrument :
MSVOA_Y
ClientSampleId :
TP-54

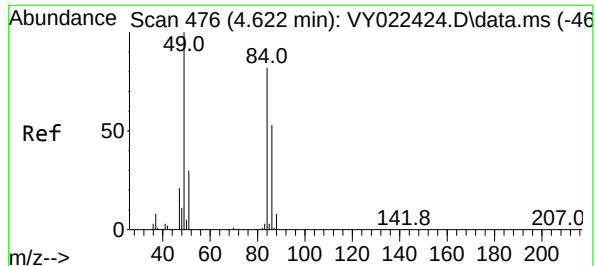
Tgt Ion:168 Resp: 283443
Ion Ratio Lower Upper
168 100
99 57.1 44.7 67.1



#16
Acetone
Concen: 28.673 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Tgt Ion: 43 Resp: 14067
Ion Ratio Lower Upper
43 100
58 29.4 20.6 30.8





#20

Methylene Chloride

Concen: 3.321 ug/l

RT: 4.623 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY022468.D

Acq: 29 May 2025 15:33

Instrument :

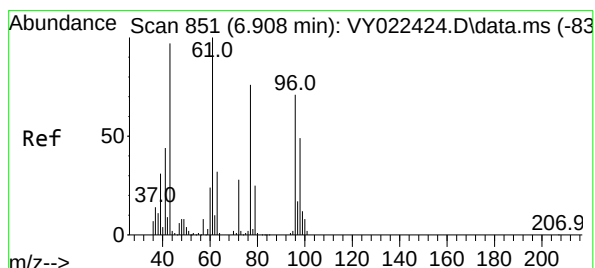
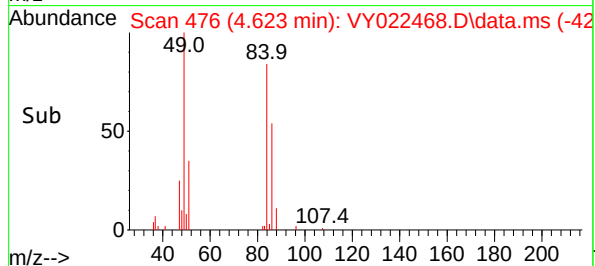
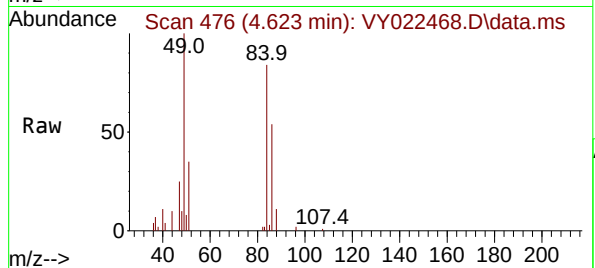
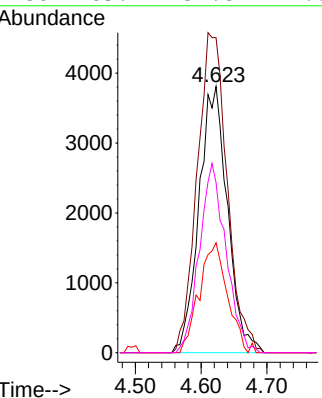
MSVOA_Y

ClientSampleId :

TP-54

Tgt Ion: 84 Resp: 11504

Ion	Ratio	Lower	Upper
84	100		
49	118.4	97.8	146.8
51	41.3	29.5	44.3
86	63.9	51.8	77.6



#25

2-Butanone

Concen: 4.008 ug/l

RT: 6.897 min Scan# 849

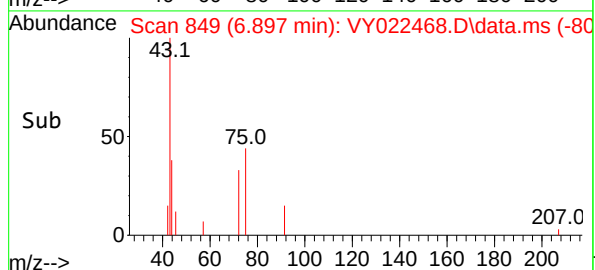
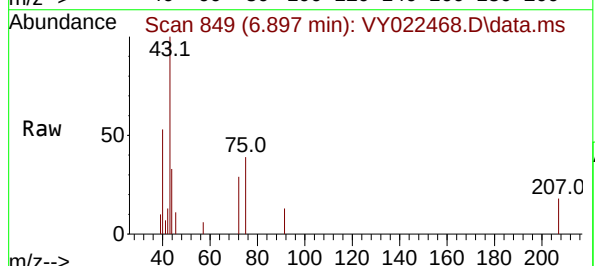
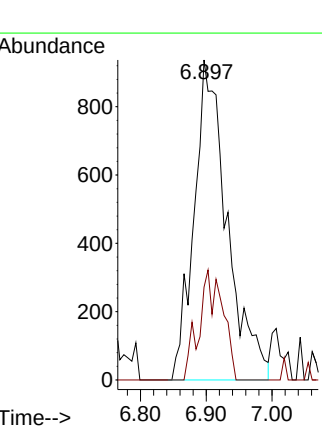
Delta R.T. -0.012 min

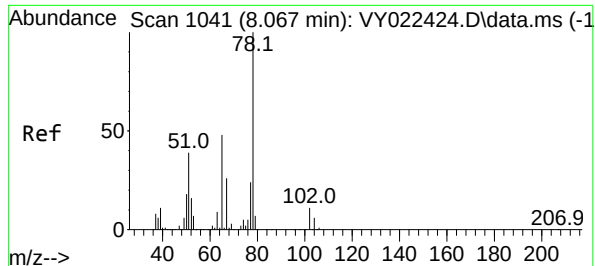
Lab File: VY022468.D

Acq: 29 May 2025 15:33

Tgt Ion: 43 Resp: 3275

Ion	Ratio	Lower	Upper
43	100		
72	29.0	22.8	34.2





#33

1,2-Dichloroethane-d4

Concen: 52.580 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022468.D

Acq: 29 May 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

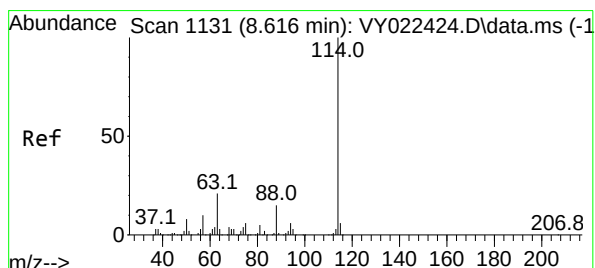
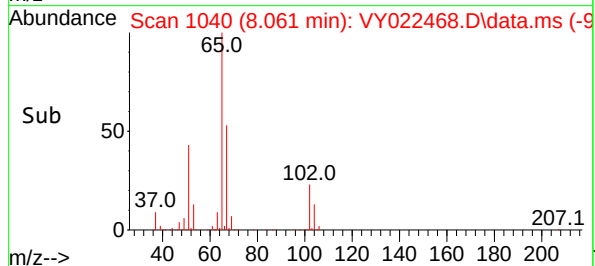
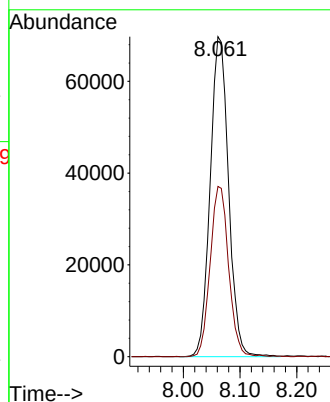
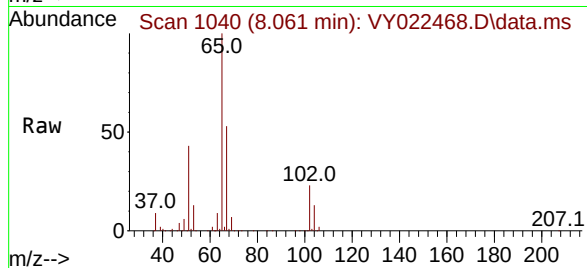
TP-54

Tgt Ion: 65 Resp: 156979

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022468.D

Acq: 29 May 2025 15:33

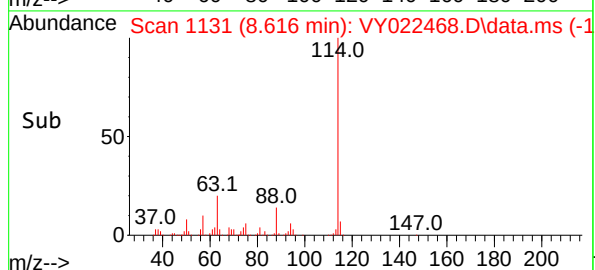
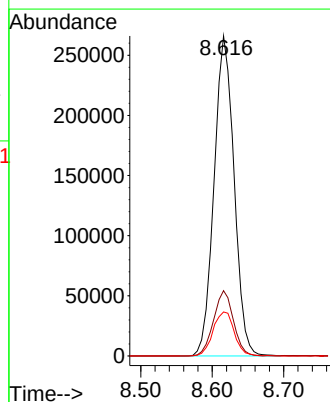
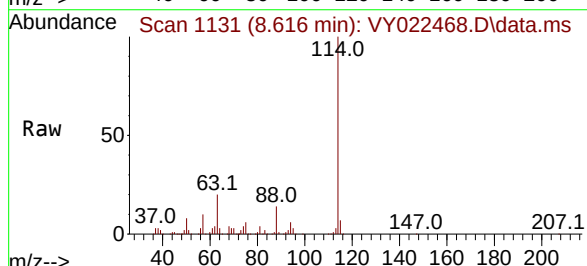
Tgt Ion: 114 Resp: 517546

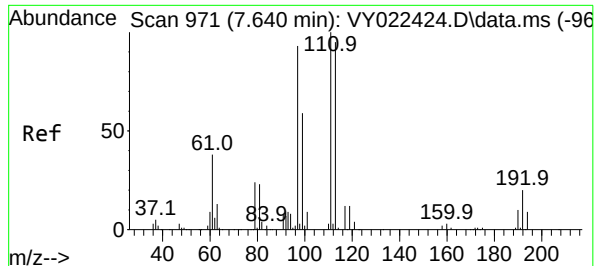
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 13.8 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.684 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022468.D

Acq: 29 May 2025 15:33

Instrument :

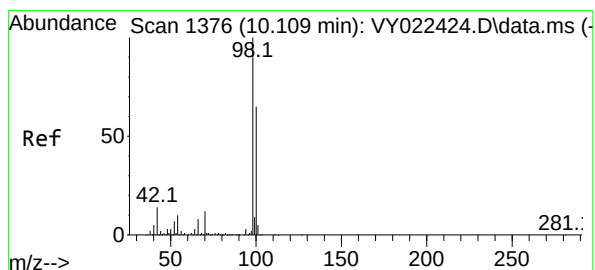
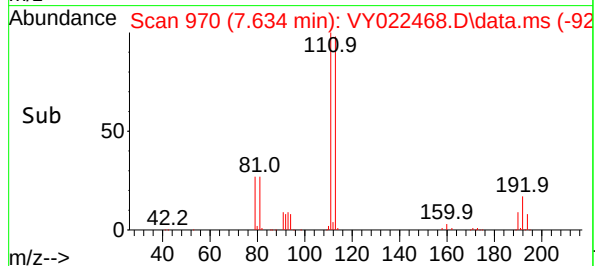
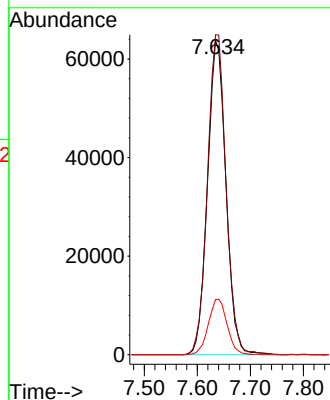
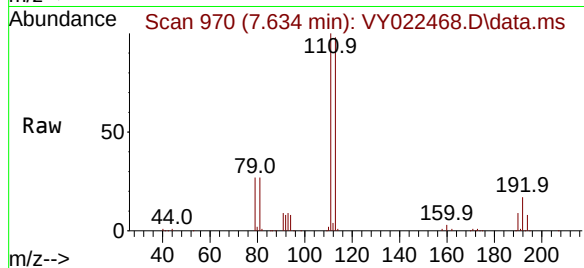
MSVOA_Y

ClientSampleId :

TP-54

Tgt Ion:113 Resp: 153619

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	18.0	15.2	22.8



#50

Toluene-d8

Concen: 50.430 ug/l

RT: 10.109 min Scan# 1376

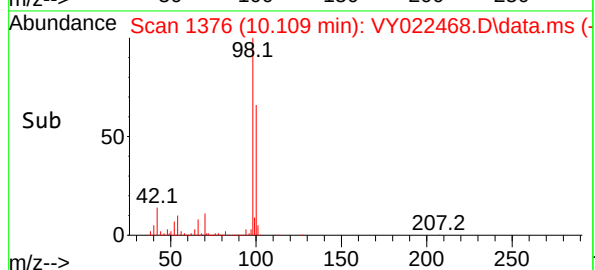
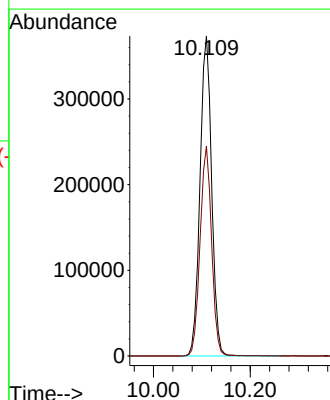
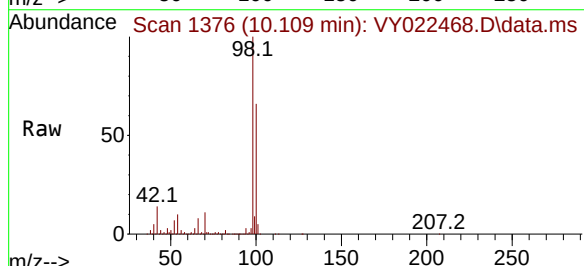
Delta R.T. 0.000 min

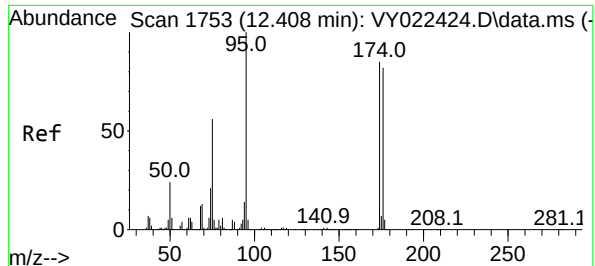
Lab File: VY022468.D

Acq: 29 May 2025 15:33

Tgt Ion: 98 Resp: 623100

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





#62

4-Bromofluorobenzene

Concen: 39.672 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022468.D

Acq: 29 May 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

TP-54

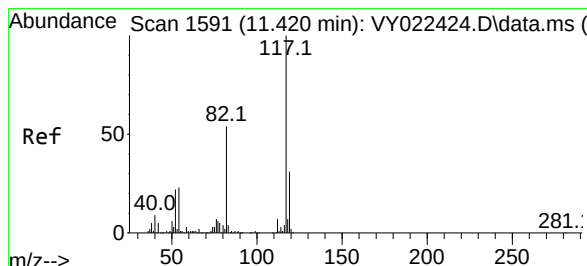
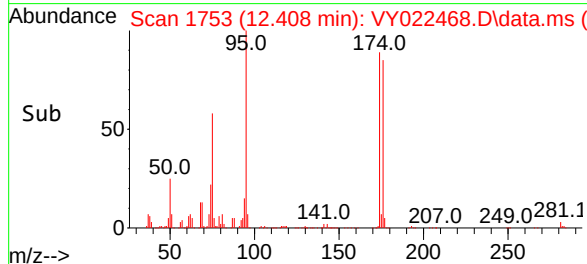
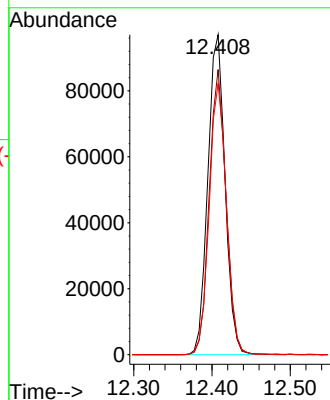
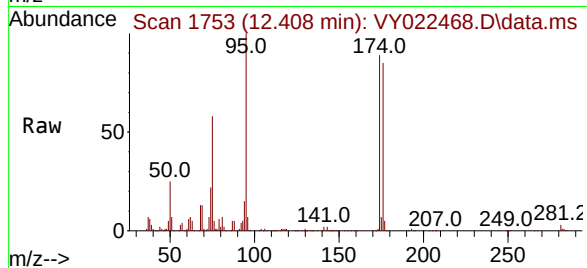
Tgt Ion: 95 Resp: 148270

Ion Ratio Lower Upper

95 100

174 86.9 0.0 171.6

176 84.8 0.0 164.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022468.D

Acq: 29 May 2025 15:33

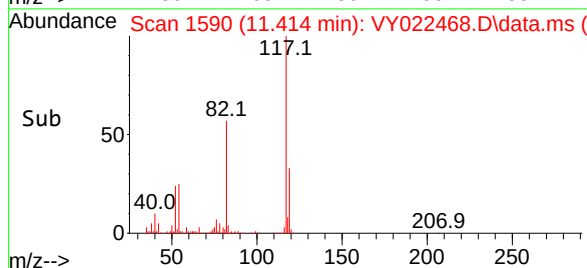
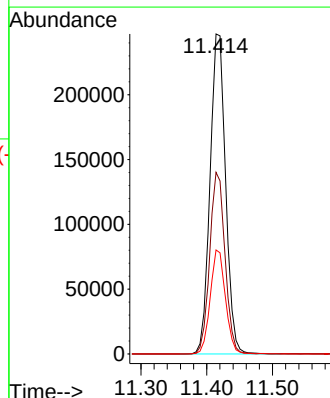
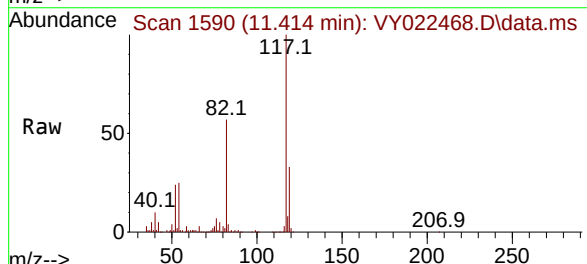
Tgt Ion: 117 Resp: 406523

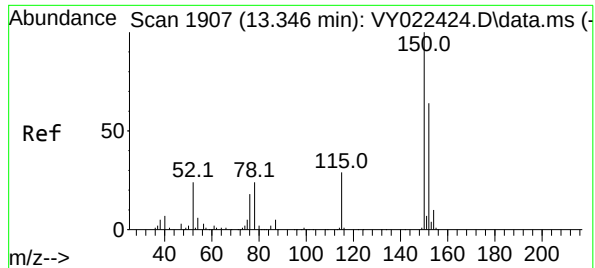
Ion Ratio Lower Upper

117 100

82 56.8 43.3 64.9

119 32.5 24.5 36.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022468.D

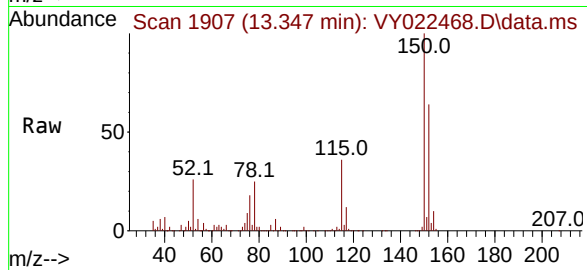
Acq: 29 May 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

TP-54



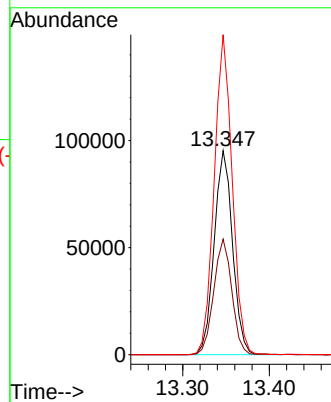
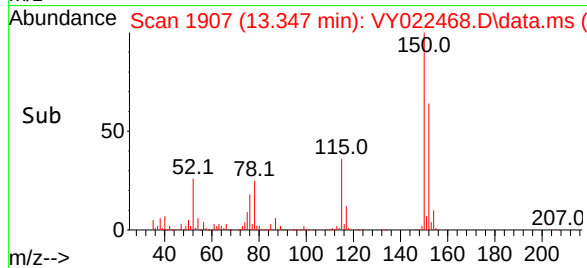
Tgt Ion:152 Resp: 140553

Ion Ratio Lower Upper

152 100

115 55.7 28.4 85.3

150 153.6 0.0 345.8



Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.3
Sample Wt/Vol:	7.78 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
VY022469.D	1		05/29/25 15:56	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	3.80	ug/Kg
74-87-3	Chloromethane	0.86	U	0.86	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.60	U	0.60	3.80	ug/Kg
74-83-9	Bromomethane	0.81	UQ	0.81	3.80	ug/Kg
75-00-3	Chloroethane	0.95	UQ	0.95	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.75	U	0.75	3.80	ug/Kg
67-64-1	Acetone	3.60	U	3.60	18.8	ug/Kg
75-15-0	Carbon Disulfide	0.80	U	0.80	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	3.80	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.80	ug/Kg
75-09-2	Methylene Chloride	2.80	J	2.70	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.65	U	0.65	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	3.80	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	3.80	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.57	U	0.57	3.80	ug/Kg
74-97-5	Bromochloromethane	0.87	U	0.87	3.80	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.70	U	0.70	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	0.61	U	0.61	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	18.8	ug/Kg
108-88-3	Toluene	0.59	U	0.59	3.80	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.3
Sample Wt/Vol:	7.78	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
VY022469.D	1		05/29/25 15:56	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	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	0.69	U	0.69	3.80	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	18.8	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	0.66	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	3.80	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.80	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.93	7.50	ug/Kg
95-47-6	o-Xylene	0.62	U	0.62	3.80	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.80	ug/Kg
75-25-2	Bromoform	0.65	U	0.65	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	0.91	U	0.91	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	2.20	U	2.20	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	52.7		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		17 - 146	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	273000	7.707			
540-36-3	1,4-Difluorobenzene	503000	8.616			
3114-55-4	Chlorobenzene-d5	400000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.347			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.3
Sample Wt/Vol:	7.78 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
VY022469.D	1		05/29/25 15:56	VY052925

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\VY052925\
 Data File : VY022469.D
 Acq On : 29 May 2025 15:56
 Operator : SY/MD
 Sample : Q2150-10
 Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-53

Quant Time: May 30 05:36:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

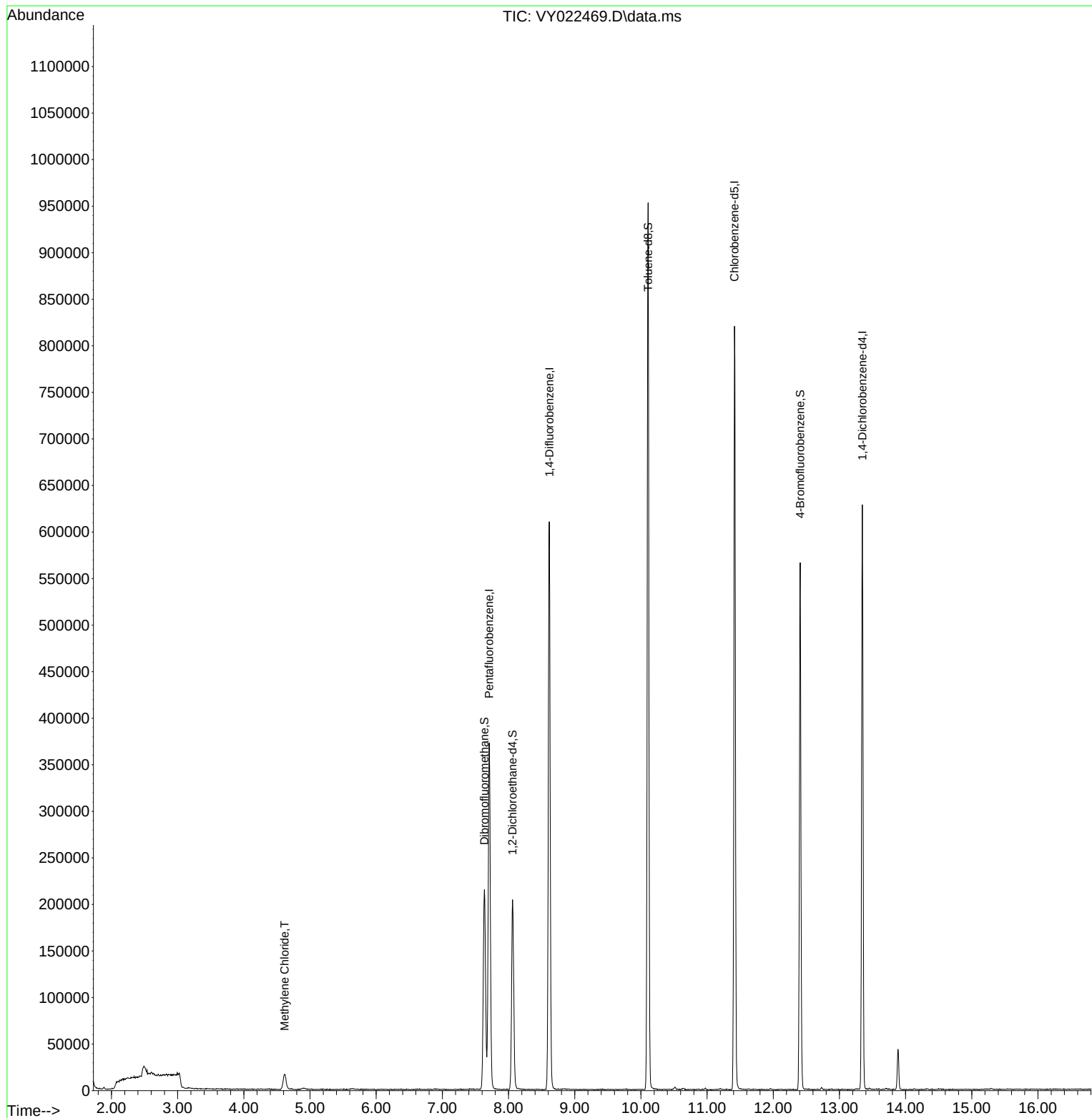
Internal Standards						
1) Pentafluorobenzene	7.707	168	273493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	503324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	399677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151759	52.681	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.360%	
35) Dibromofluoromethane	7.634	113	150583	51.086	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.180%	
50) Toluene-d8	10.109	98	599966	49.930	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.860%	
62) 4-Bromofluorobenzene	12.408	95	151154	41.586	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.180%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	12212	3.653	ug/l	# 82

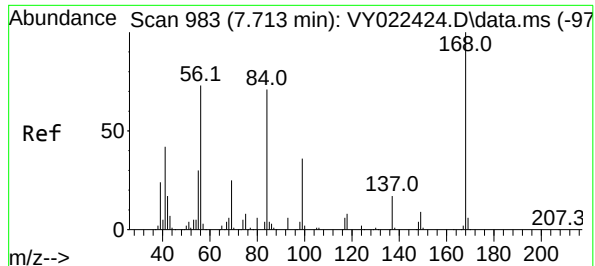
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022469.D
Acq On : 29 May 2025 15:56
Operator : SY/MD
Sample : Q2150-10
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-53

Quant Time: May 30 05:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

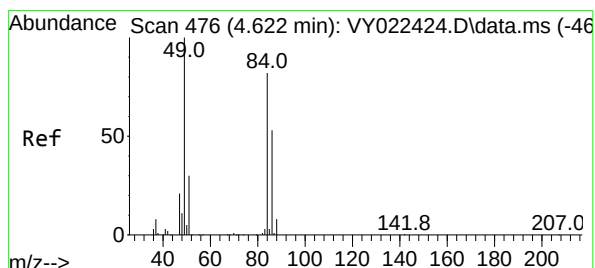
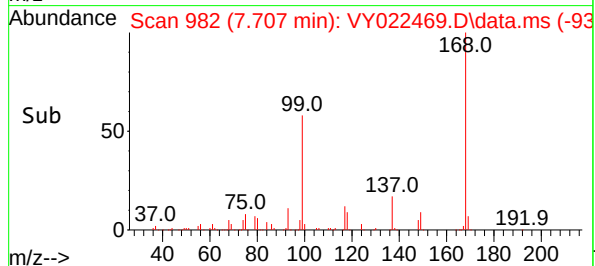
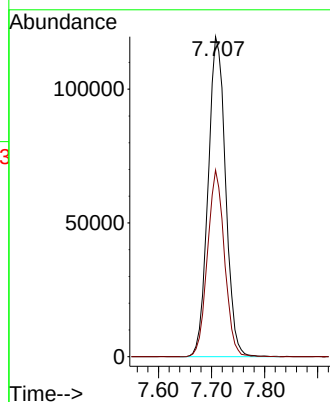
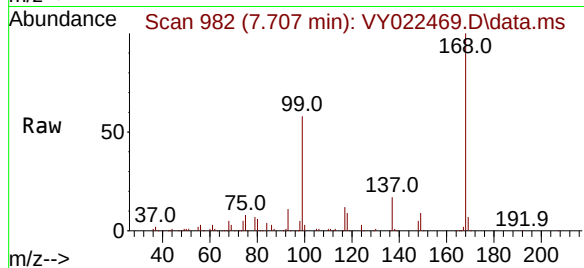




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

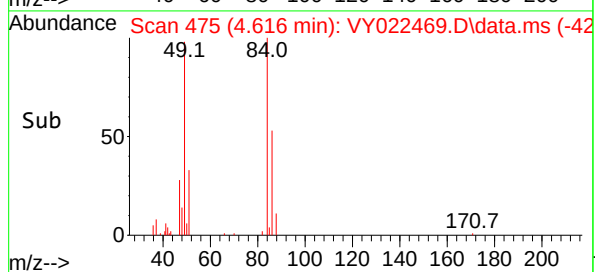
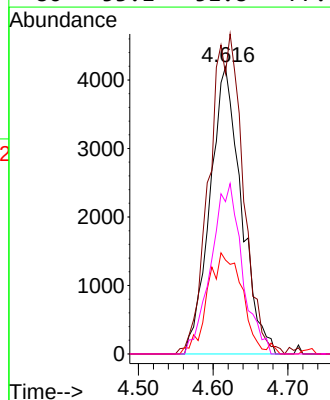
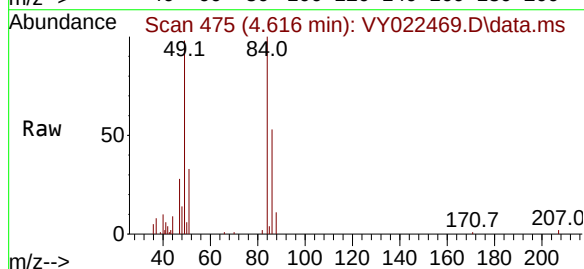
Instrument :
MSVOA_Y
ClientSampleId :
TP-53

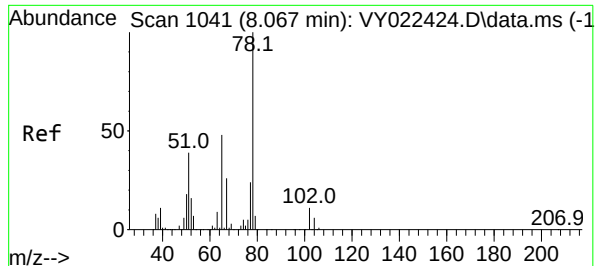
Tgt Ion:168 Resp: 273493
Ion Ratio Lower Upper
168 100
99 58.3 44.7 67.1



#20
Methylene Chloride
Concen: 3.653 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion: 84 Resp: 12212
Ion Ratio Lower Upper
84 100
49 95.9 97.8 146.8#
51 32.8 29.5 44.3
86 53.1 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 52.681 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022469.D

Acq: 29 May 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

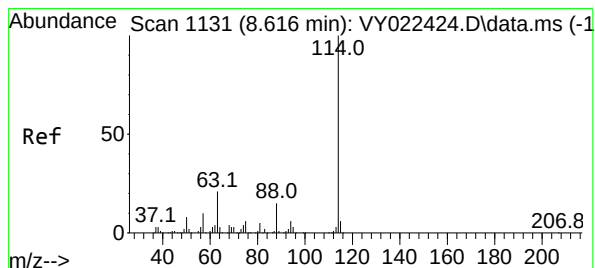
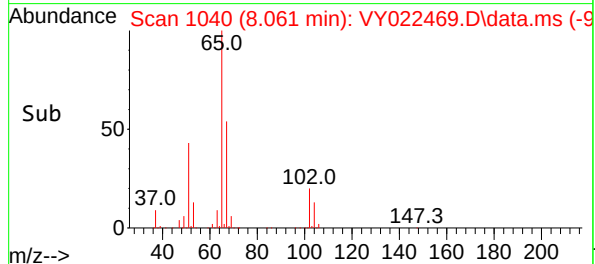
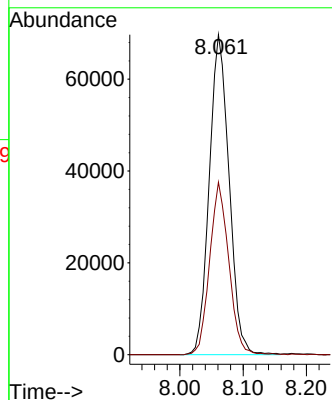
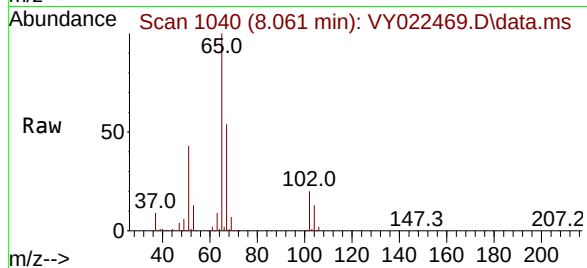
TP-53

Tgt Ion: 65 Resp: 151759

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022469.D

Acq: 29 May 2025 15:56

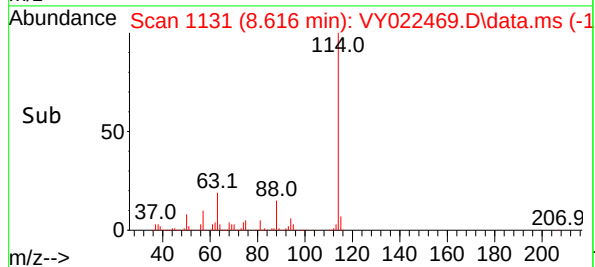
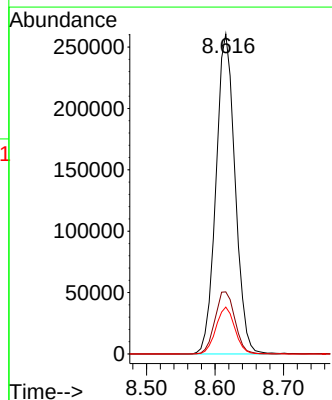
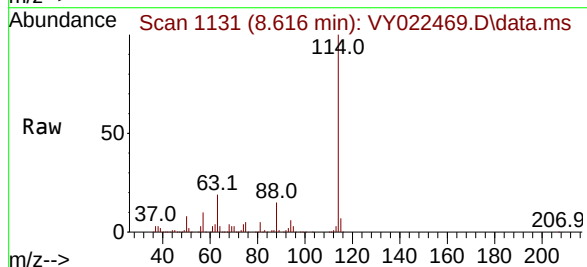
Tgt Ion: 114 Resp: 503324

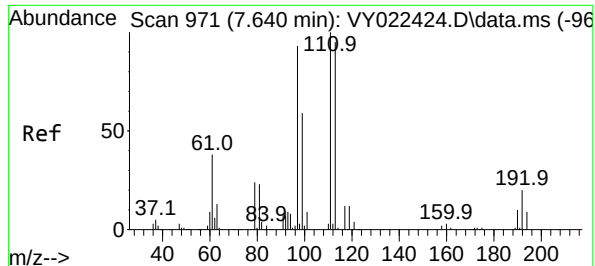
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 14.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.086 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022469.D

Acq: 29 May 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-53

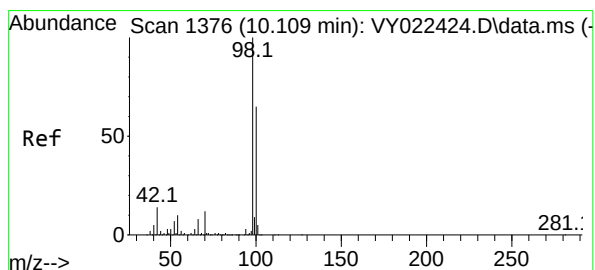
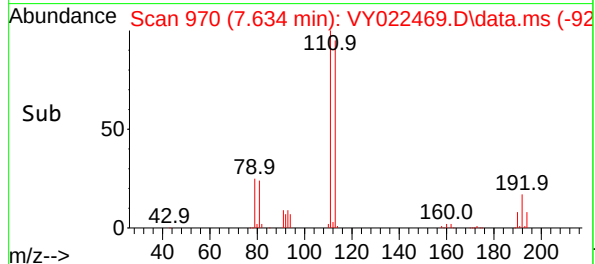
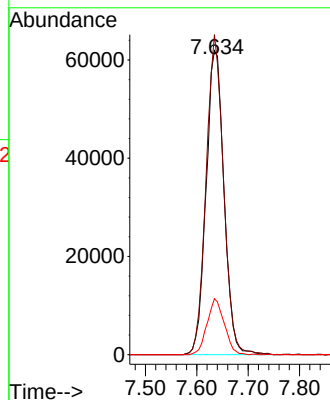
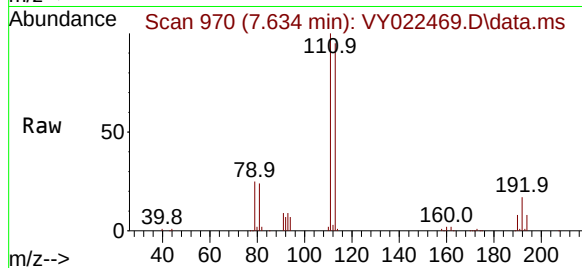
Tgt Ion:113 Resp: 150583

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

192 17.6 15.2 22.8



#50

Toluene-d8

Concen: 49.930 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022469.D

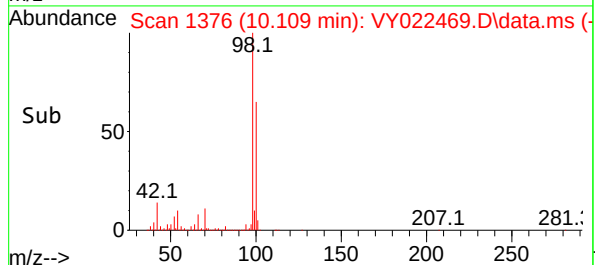
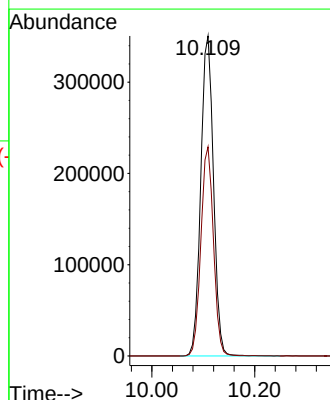
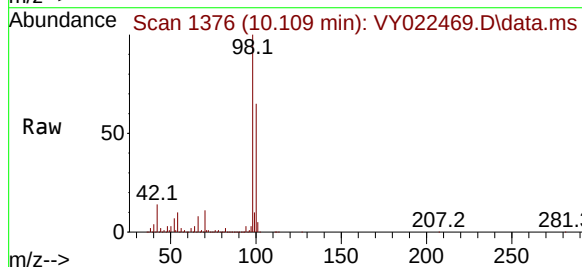
Acq: 29 May 2025 15:56

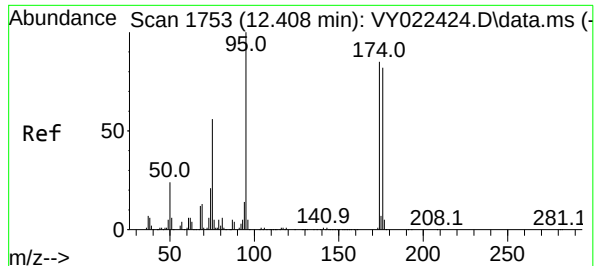
Tgt Ion: 98 Resp: 599966

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 41.586 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022469.D

Acq: 29 May 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-53

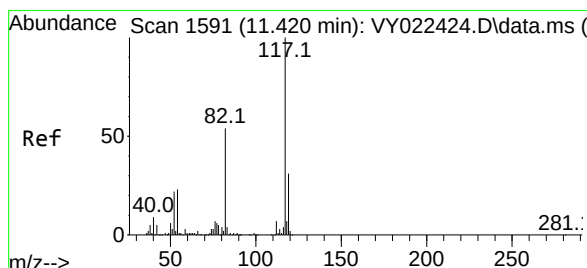
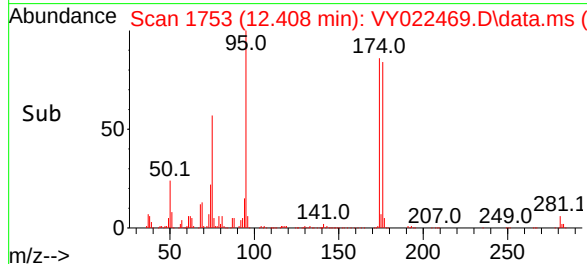
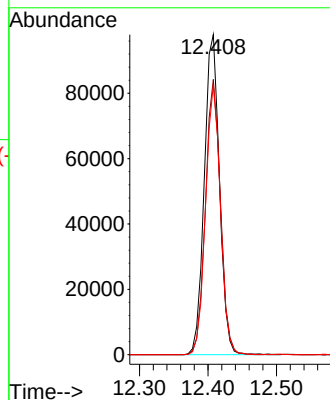
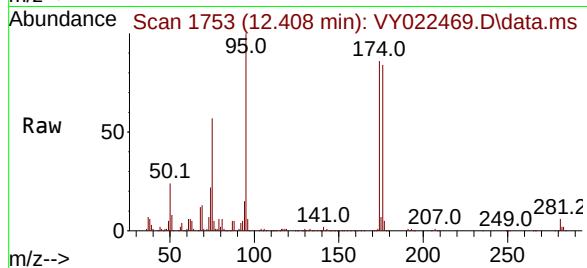
Tgt Ion: 95 Resp: 151154

Ion Ratio Lower Upper

95 100

174 85.2 0.0 171.6

176 82.6 0.0 164.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022469.D

Acq: 29 May 2025 15:56

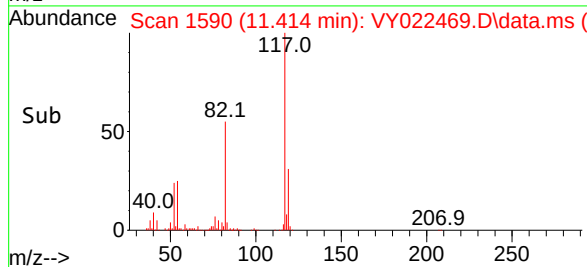
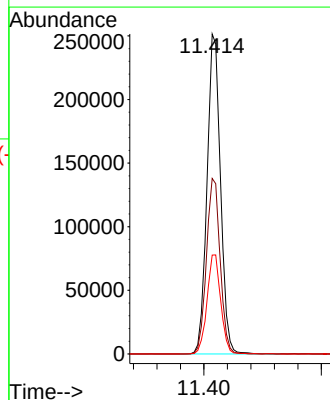
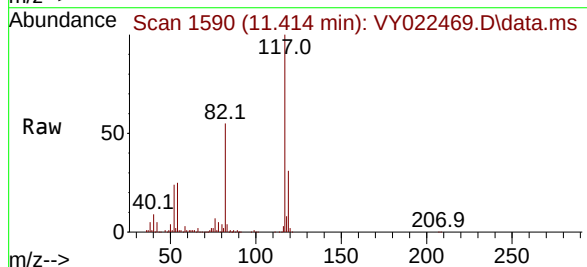
Tgt Ion: 117 Resp: 399677

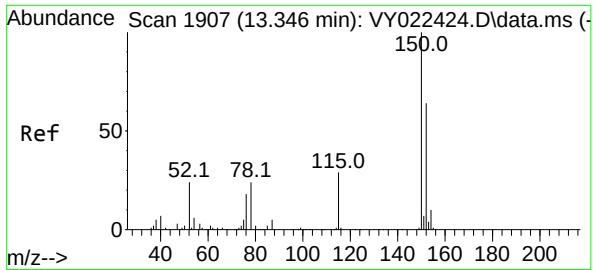
Ion Ratio Lower Upper

117 100

82 54.9 43.3 64.9

119 30.9 24.5 36.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022469.D

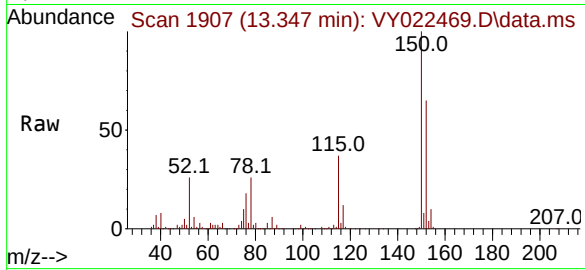
Acq: 29 May 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-53



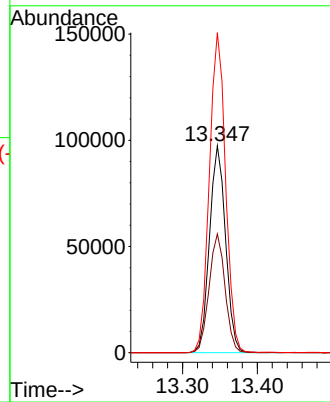
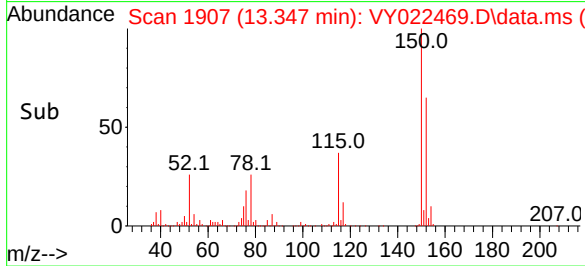
Tgt Ion:152 Resp: 145373

Ion Ratio Lower Upper

152 100

115 57.2 28.4 85.3

150 155.8 0.0 345.8





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: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: MSVOA_Y Calibration Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:50 10:44

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY022421.D		RRF010 = VY022422.D		RRF020 = VY022423.D		RRF050 = VY022424.D		RRF100 = VY022425.D		RRF150 = VY022426.D	
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD					
Dichlorodifluoromethane	0.544	0.509	0.526	0.423	0.430	0.429	0.477	11.6					
Chloromethane	1.364	1.331	1.300	1.196	0.936	0.912	1.173	17.1					
Vinyl Chloride	1.535	1.493	1.522	1.453	1.292	1.257	1.425	8.5					
Bromomethane	1.261	1.281	1.397	1.275	1.213	1.345	1.295	5.1					
Chloroethane	0.930	0.881	0.949	1.015	0.907	0.907	0.932	5					
Trichlorofluoromethane	1.243	1.174	1.222	1.197	1.187	1.193	1.203	2.1					
1,1,2-Trichlorotrifluoroethane	0.552	0.517	0.541	0.520	0.523	0.512	0.528	2.9					
1,1-Dichloroethene	0.552	0.512	0.533	0.511	0.520	0.515	0.524	3					
Acetone	0.094	0.090	0.081	0.085	0.086	0.083	0.087	5.6					
Carbon Disulfide	1.672	1.675	1.707	1.653	1.672	1.650	1.672	1.2					
Methyl tert-butyl Ether	1.353	1.359	1.357	1.386	1.445	1.445	1.391	3.1					
Methyl Acetate	0.288	0.319	0.296	0.308	0.351	0.383	0.324	11.2					
Methylene Chloride	0.778	0.669	0.578	0.549	0.550	0.543	0.611	15.5					
trans-1,2-Dichloroethene	0.595	0.556	0.555	0.561	0.582	0.582	0.572	2.9					
1,1-Dichloroethane	1.000	0.986	1.035	1.027	1.062	1.056	1.028	2.9					
Cyclohexane	1.220	1.044	0.997	0.939	0.947	0.931	1.013	10.9					
2-Butanone	0.137	0.144	0.136	0.142	0.152	0.154	0.144	5.2					
Carbon Tetrachloride	0.473	0.456	0.471	0.481	0.510	0.512	0.484	4.7					
cis-1,2-Dichloroethene	0.655	0.647	0.650	0.652	0.684	0.685	0.662	2.6					
Bromochloromethane	0.400	0.426	0.435	0.439	0.439	0.437	0.429	3.5					
Chloroform	0.966	0.970	1.023	1.026	1.052	1.038	1.013	3.5					
1,1,1-Trichloroethane	0.900	0.894	0.916	0.913	0.952	0.940	0.919	2.5					
Methylcyclohexane	0.611	0.602	0.603	0.614	0.638	0.636	0.618	2.6					
Benzene	1.308	1.312	1.360	1.391	1.463	1.461	1.383	5					
1,2-Dichloroethane	0.348	0.348	0.360	0.369	0.383	0.384	0.365	4.5					
Trichloroethene	0.334	0.325	0.344	0.343	0.357	0.347	0.342	3.3					
1,2-Dichloropropane	0.321	0.307	0.318	0.323	0.342	0.339	0.325	4					
Bromodichloromethane	0.452	0.449	0.449	0.464	0.493	0.494	0.467	4.5					
4-Methyl-2-Pentanone	0.185	0.197	0.198	0.218	0.237	0.242	0.213	10.8					
Toluene	0.782	0.805	0.842	0.868	0.929	0.957	0.864	7.9					

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150
 Instrument ID: MSVOA_Y Calibration Date(s): 05/27/2025 05/27/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 08:50 10:44
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY022421.D		RRF010 = VY022422.D		RRF020 = VY022423.D			
		RRF050 = VY022424.D		RRF100 = VY022425.D		RRF150 = VY022426.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.400	0.414	0.416	0.434	0.472	0.473	0.435	7.1	
cis-1,3-Dichloropropene	0.477	0.480	0.504	0.508	0.549	0.547	0.511	6.1	
1,1,2-Trichloroethane	0.219	0.216	0.226	0.229	0.243	0.243	0.229	5.1	
2-Hexanone	0.121	0.125	0.129	0.145	0.157	0.159	0.140	12	
Dibromochloromethane	0.258	0.274	0.284	0.302	0.320	0.321	0.293	8.7	
1,2-Dibromoethane	0.199	0.189	0.207	0.215	0.223	0.225	0.210	6.8	
Tetrachloroethene	0.433	0.417	0.433	0.429	0.429	0.413	0.426	2.1	
Chlorobenzene	1.020	1.000	1.051	1.067	1.132	1.127	1.066	5.1	
Ethyl Benzene	1.823	1.828	1.920	1.980	2.142	2.185	1.980	7.8	
m/p-Xylenes	0.698	0.660	0.723	0.756	0.825	0.841	0.751	9.5	
o-Xylene	0.654	0.637	0.673	0.709	0.768	0.792	0.705	8.9	
Styrene	1.037	1.020	1.117	1.197	1.317	1.359	1.175	12.1	
Bromoform	0.169	0.176	0.184	0.192	0.206	0.210	0.189	8.6	
Isopropylbenzene	3.863	3.741	3.946	3.871	4.105	4.086	3.935	3.6	
1,1,2,2-Tetrachloroethane	0.623	0.574	0.604	0.615	0.652	0.653	0.620	4.8	
1,3-Dichlorobenzene	1.587	1.558	1.674	1.695	1.836	1.874	1.704	7.5	
1,4-Dichlorobenzene	1.596	1.527	1.617	1.642	1.707	1.687	1.629	4	
1,2-Dichlorobenzene	1.383	1.332	1.431	1.416	1.495	1.482	1.423	4.3	
1,2-Dibromo-3-Chloropropane	0.103	0.093	0.096	0.093	0.093	0.096	0.096	3.8	
1,2,4-Trichlorobenzene	0.714	0.724	0.771	0.828	0.842	0.856	0.789	7.8	
1,2,3-Trichlorobenzene	0.575	0.554	0.644	0.684	0.703	0.722	0.647	10.7	
1,2-Dichloroethane-d4	0.507	0.525	0.517	0.532	0.541	0.538	0.527	2.5	
Dibromofluoromethane	0.287	0.281	0.283	0.290	0.309	0.308	0.293	4.3	
Toluene-d8	1.159	1.133	1.168	1.176	1.274	1.251	1.194	4.7	
4-Bromofluorobenzene	0.377	0.331	0.345	0.355	0.382	0.376	0.361	5.7	

* 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.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022421.D
 Acq On : 27 May 2025 08:50
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:38:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	266668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	453411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	366267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	162324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	13513	4.811	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.620%#		
35) Dibromofluoromethane	7.640	113	13007	4.898	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.800%#		
50) Toluene-d8	10.115	98	52564	4.856	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.720%#		
62) 4-Bromofluorobenzene	12.408	95	17111	5.226	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.460%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	14514	5.705	ug/l	97
3) Chloromethane	2.068	50	36383	5.814	ug/l	99
4) Vinyl Chloride	2.208	62	40931	5.384	ug/l	100
5) Bromomethane	2.604	94	33633	4.868	ug/l	95
6) Chloroethane	2.739	64	24812	4.994	ug/l	99
7) Trichlorofluoromethane	3.062	101	33151	5.168	ug/l	96
8) Diethyl Ether	3.464	74	7356	4.974	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	14725	5.233	ug/l	98
10) Methyl Iodide	4.013	142	13178	4.151	ug/l	96
11) Tert butyl alcohol	4.872	59	4995m	25.228	ug/l	
12) 1,1-Dichloroethene	3.799	96	14718	5.268	ug/l	94
13) Acrolein	3.665	56	6888	23.219	ug/l #	77
14) Allyl chloride	4.397	41	20931	4.980	ug/l	95
15) Acrylonitrile	5.080	53	14224	23.859	ug/l	96
16) Acetone	3.885	43	12519	27.123	ug/l #	89
17) Carbon Disulfide	4.110	76	44596	5.002	ug/l	96
18) Methyl Acetate	4.391	43	7671	4.437	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	36078	4.864	ug/l	98
20) Methylene Chloride	4.622	84	20751	6.367	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	15870	5.203	ug/l	91
22) Diisopropyl ether	6.025	45	45596	4.916	ug/l	95
23) Vinyl Acetate	5.970	43	129326	24.282	ug/l	99
24) 1,1-Dichloroethane	5.927	63	26673	4.866	ug/l	97
25) 2-Butanone	6.909	43	18294	23.799	ug/l	97
26) 2,2-Dichloropropane	6.896	77	24997	5.037	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	17459	4.944	ug/l	97
28) Bromochloromethane	7.250	49	10658	4.657	ug/l #	98
29) Tetrahydrofuran	7.274	42	12618	24.613	ug/l	99
30) Chloroform	7.433	83	25766	4.771	ug/l	99
31) Cyclohexane	7.713	56	32546	6.024	ug/l #	81
32) 1,1,1-Trichloroethane	7.622	97	23999	4.896	ug/l	99
36) 1,1-Dichloropropene	7.847	75	21399	5.079	ug/l	98
37) Ethyl Acetate	6.988	43	8953	5.000	ug/l	97
38) Carbon Tetrachloride	7.829	117	21453	4.888	ug/l	99
39) Methylcyclohexane	9.115	83	27716	4.948	ug/l	98
40) Benzene	8.085	78	59324	4.732	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022421.D
 Acq On : 27 May 2025 08:50
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:38:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	5545m	2.353	ug/l	
42) 1,2-Dichloroethane	8.164	62	15776	4.764	ug/l	98
43) Isopropyl Acetate	8.201	43	18244	4.662	ug/l	98
44) Trichloroethene	8.872	130	15132	4.882	ug/l	87
45) 1,2-Dichloropropane	9.146	63	14536	4.935	ug/l	95
46) Dibromomethane	9.237	93	8142	4.948	ug/l	94
47) Bromodichloromethane	9.426	83	20477	4.839	ug/l	94
48) Methyl methacrylate	9.225	41	8390	4.619	ug/l	95
49) 1,4-Dioxane	9.256	88	1711	94.135	ug/l #	80
51) 4-Methyl-2-Pentanone	10.006	43	42047	21.778	ug/l	95
52) Toluene	10.176	92	35452	4.527	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	18117	4.596	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	21634	4.671	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	9913	4.765	ug/l	92
56) Ethyl methacrylate	10.444	69	12714	4.258	ug/l	94
57) 1,3-Dichloropropane	10.725	76	17193	4.689	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.719	63	32506	21.845	ug/l	96
59) 2-Hexanone	10.768	43	27506	21.739	ug/l	99
60) Dibromochloromethane	10.914	129	11708	4.405	ug/l	95
61) 1,2-Dibromoethane	11.024	107	9019	4.739	ug/l	99
64) Tetrachloroethene	10.652	164	15876	5.090	ug/l	94
65) Chlorobenzene	11.444	112	37368	4.785	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	11929	4.508	ug/l	95
67) Ethyl Benzene	11.524	91	66757	4.603	ug/l	96
68) m/p-Xylenes	11.633	106	51109	9.296	ug/l	96
69) o-Xylene	11.956	106	23941	4.633	ug/l	98
70) Styrene	11.975	104	37982	4.414	ug/l	98
71) Bromoform	12.139	173	6180	4.459	ug/l #	99
73) Isopropylbenzene	12.255	105	62701	4.908	ug/l	99
74) N-amyl acetate	12.072	43	14329	4.584	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	10107	5.021	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	7617m	2.848	ug/l	
77) Bromobenzene	12.536	156	13050	4.747	ug/l	98
78) n-propylbenzene	12.597	91	74444	4.856	ug/l	100
79) 2-Chlorotoluene	12.682	91	41511	5.002	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	47346	4.743	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	3492	4.857	ug/l	97
82) 4-Chlorotoluene	12.779	91	41039	4.801	ug/l	97
83) tert-Butylbenzene	12.999	119	44656	4.951	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	47206	4.699	ug/l	98
85) sec-Butylbenzene	13.182	105	65492	4.897	ug/l	100
86) p-Isopropyltoluene	13.298	119	51853	4.643	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	25760	4.657	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	25910	4.899	ug/l	92
89) n-Butylbenzene	13.621	91	50178	4.792	ug/l	98
90) Hexachloroethane	13.883	117	11019	4.958	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	22457	4.860	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1667	5.360	ug/l	82
93) 1,2,4-Trichlorobenzene	14.925	180	11591	4.525	ug/l	96
94) Hexachlorobutadiene	15.029	225	6893	5.128	ug/l	97
95) Naphthalene	15.151	128	20065	4.237	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	9338	4.445	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022421.D
Acq On : 27 May 2025 08:50
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 :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

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

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

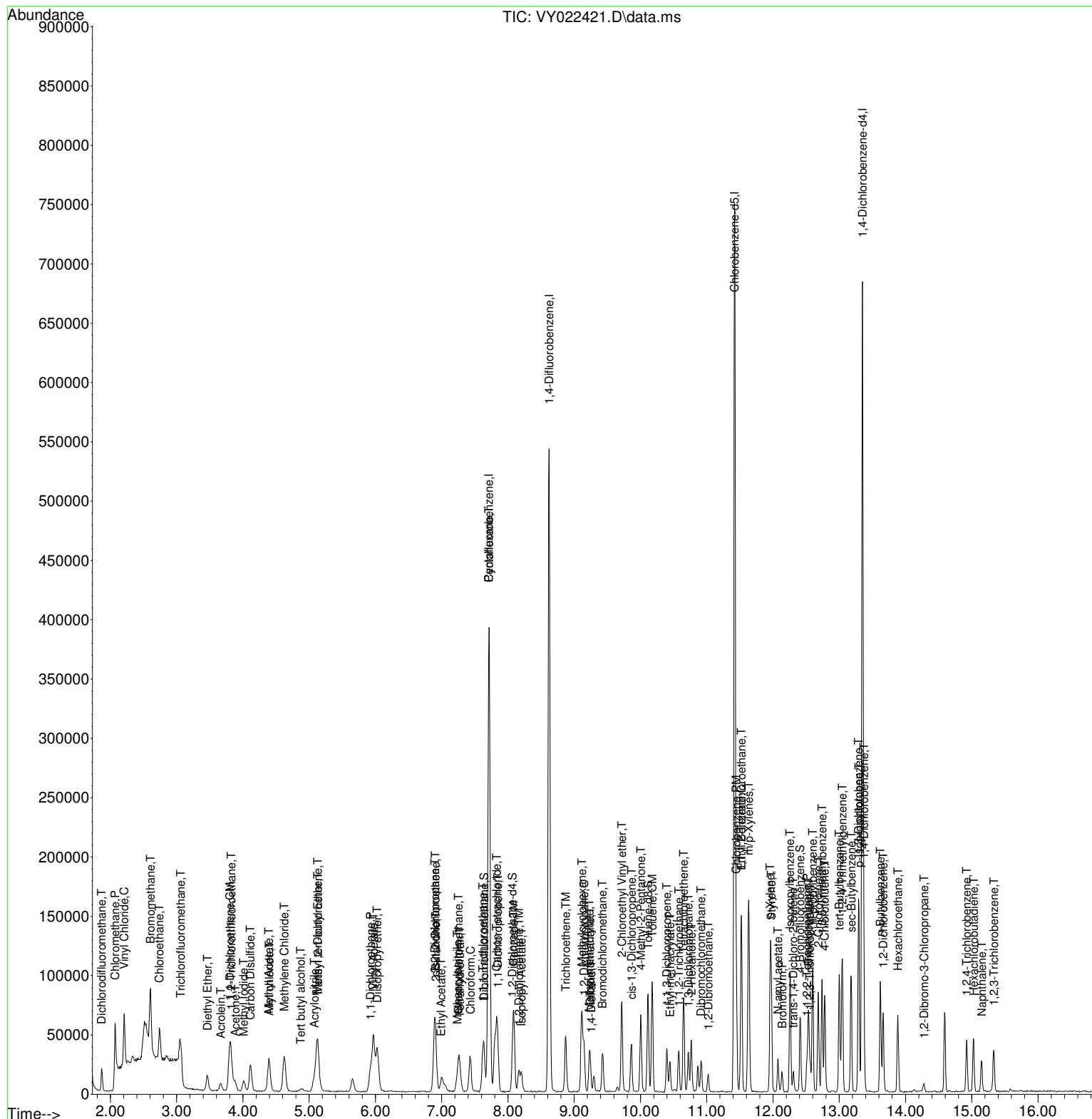
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022421.D
Acq On    : 27 May 2025  08:50
Operator  : SY/MD
Sample    : VSTDIC005
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 2   Sample Multiplier: 1
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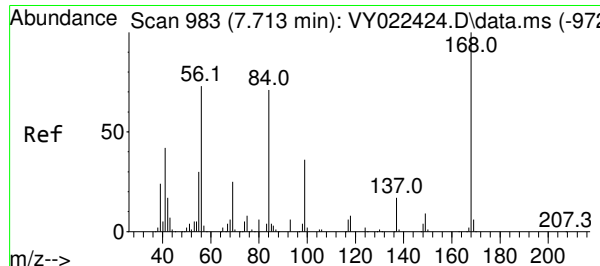
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration





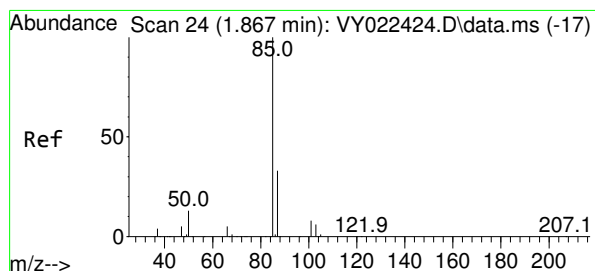
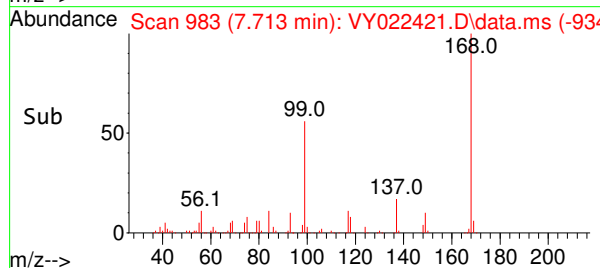
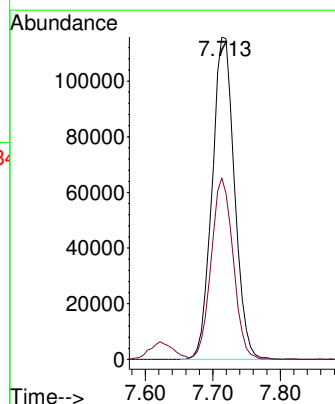
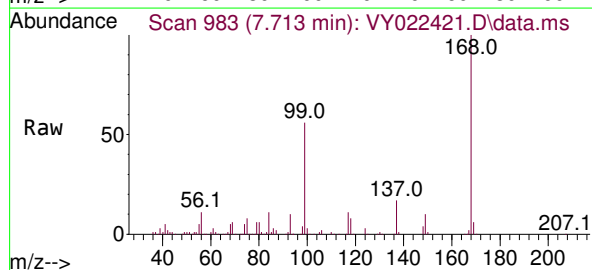
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:168 Resp: 26666
Ion Ratio Lower Upper
168 100
99 56.2 44.7 67.1

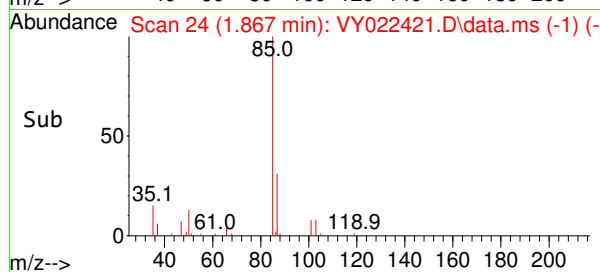
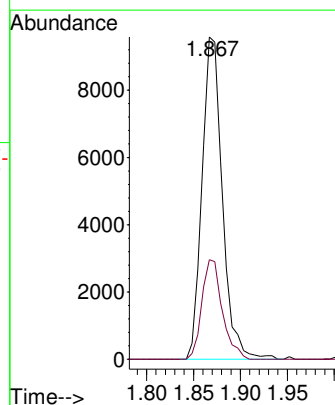
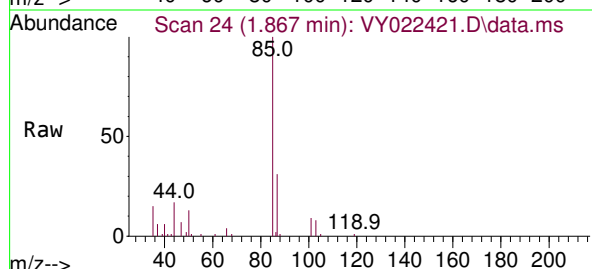
Manual Integrations
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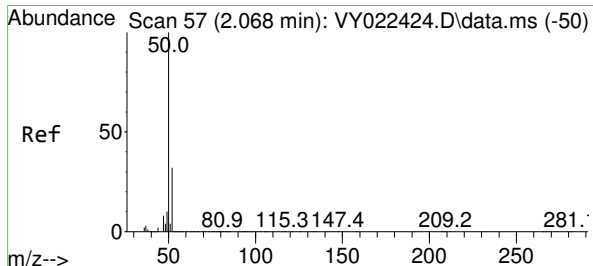
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#2
Dichlorodifluoromethane
Concen: 5.705 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 85 Resp: 14514
Ion Ratio Lower Upper
85 100
87 30.9 16.4 49.2





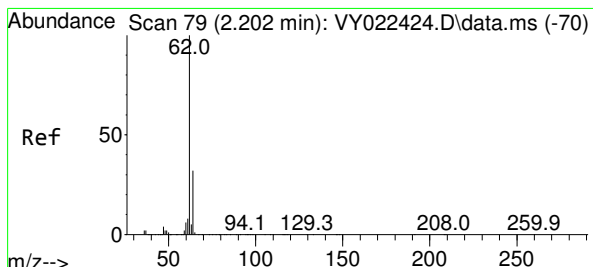
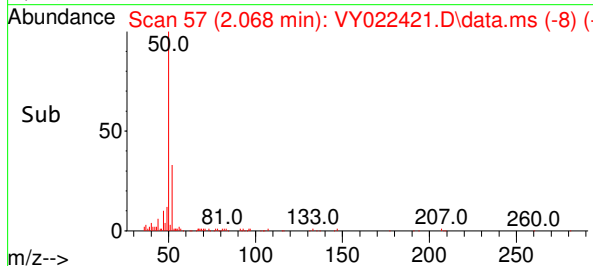
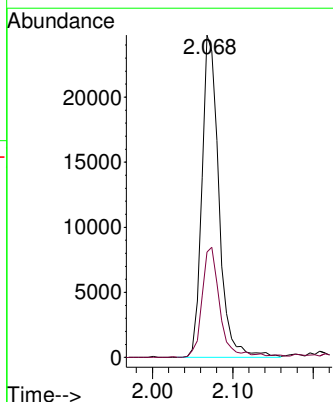
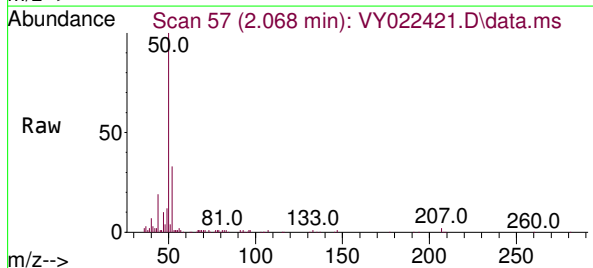
#3
Chloromethane
Concen: 5.814 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 3638
Ion Ratio Lower Upper
50 100
52 32.7 25.5 38.3

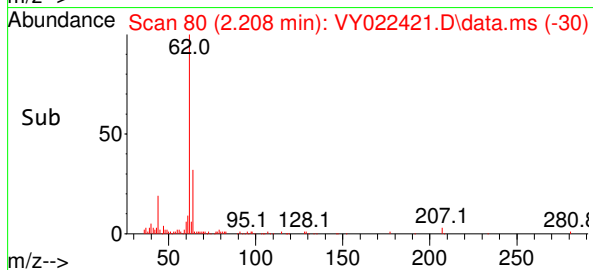
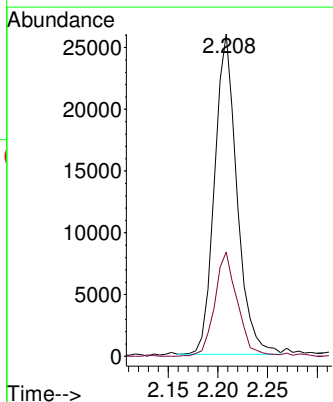
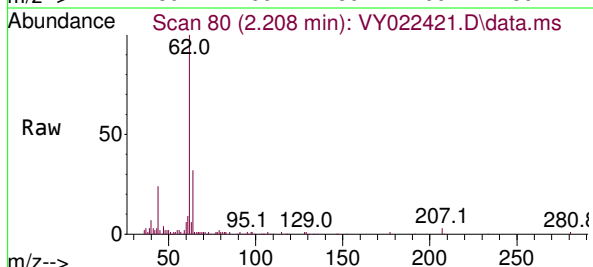
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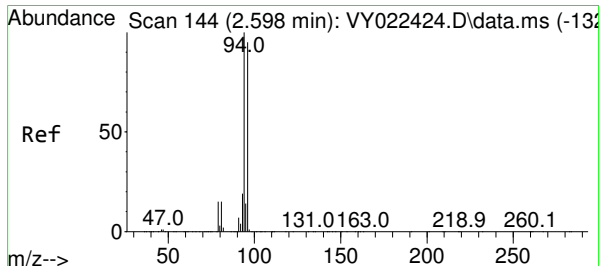
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#4
Vinyl Chloride
Concen: 5.384 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 62 Resp: 40931
Ion Ratio Lower Upper
62 100
64 32.6 26.0 39.0





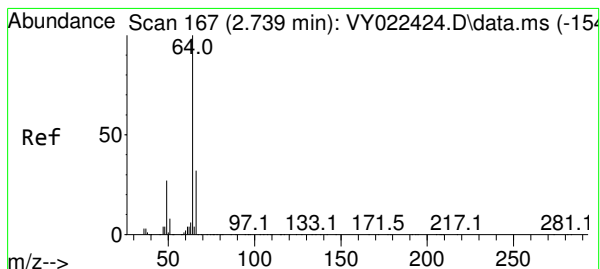
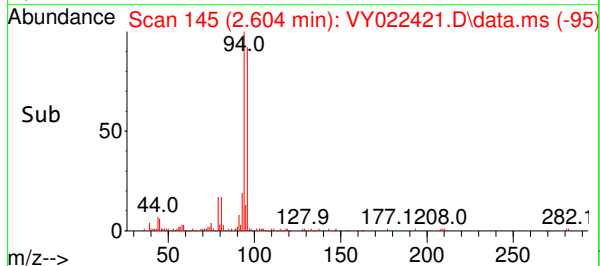
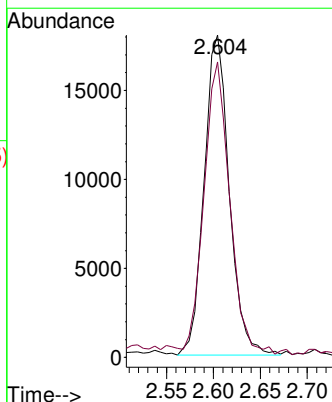
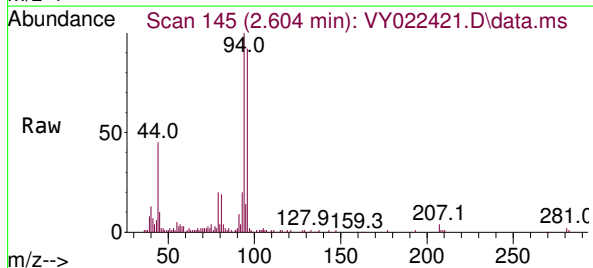
#5
Bromomethane
Concen: 4.868 ug/l
RT: 2.604 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 94 Resp: 3363
Ion Ratio Lower Upper
94 100
96 90.3 76.0 114.0

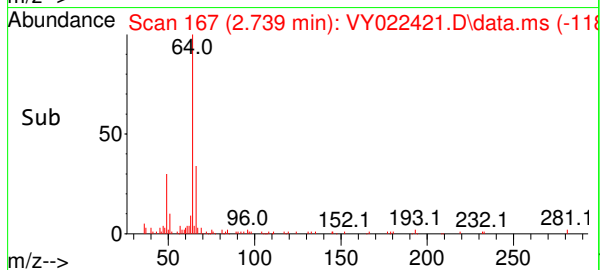
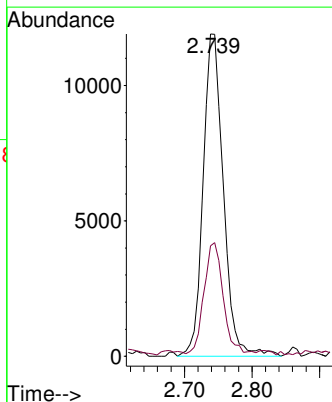
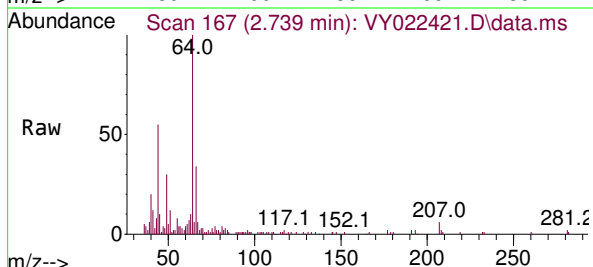
Manual Integrations
APPROVED

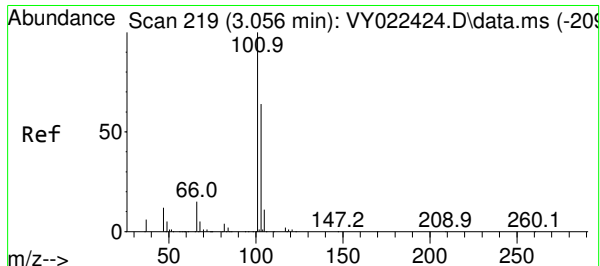
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#6
Chloroethane
Concen: 4.994 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 64 Resp: 24812
Ion Ratio Lower Upper
64 100
66 32.8 25.9 38.9





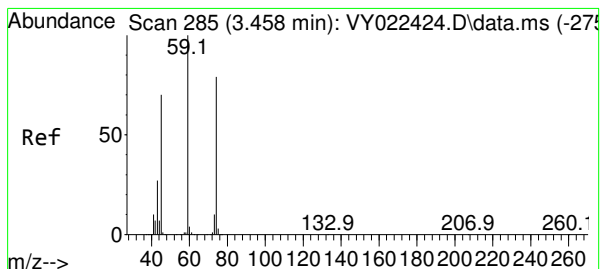
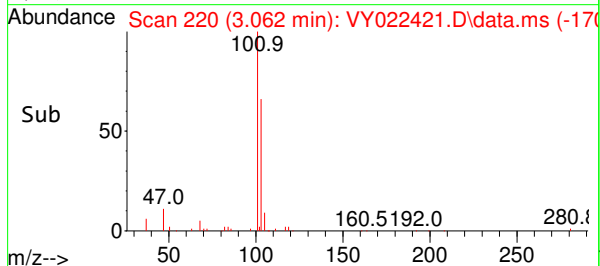
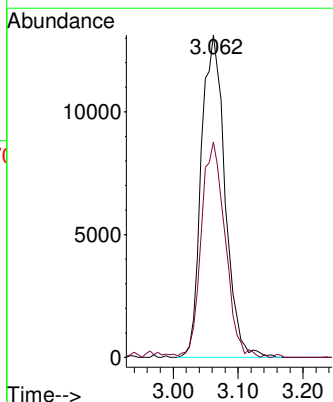
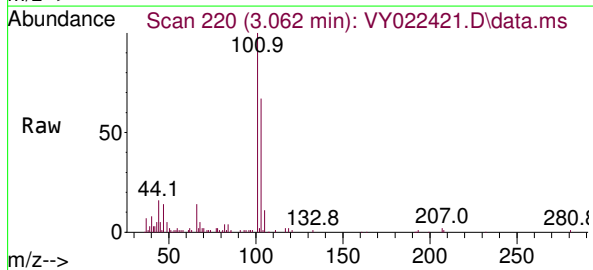
#7
Trichlorofluoromethane
Concen: 5.168 ug/l
RT: 3.062 min Scan# 219
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 101 Resp: 3315
Ion Ratio Lower Upper
101 100
103 66.3 50.9 76.3

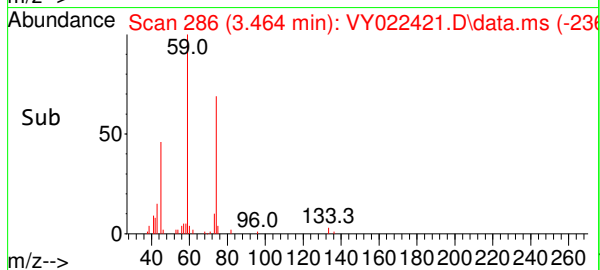
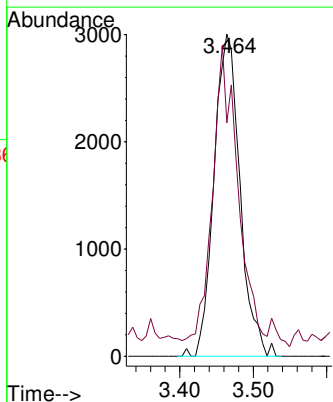
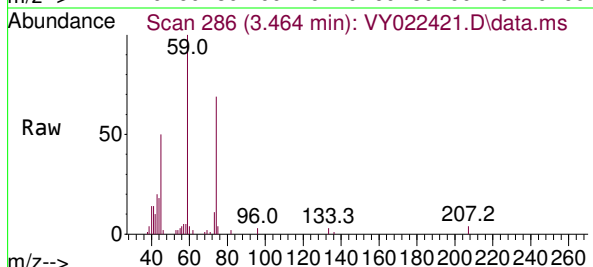
Manual Integrations
APPROVED

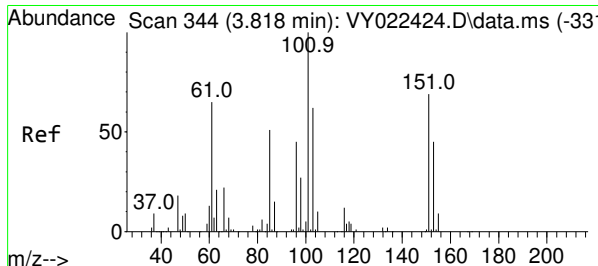
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#8
Diethyl Ether
Concen: 4.974 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 74 Resp: 7356
Ion Ratio Lower Upper
74 100
45 91.1 44.9 134.5





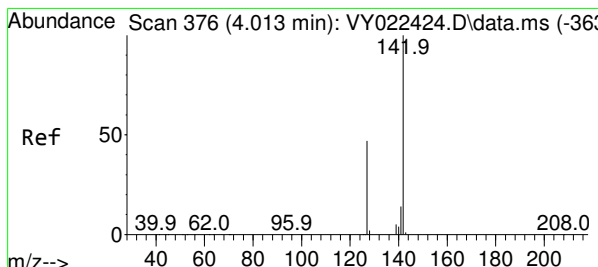
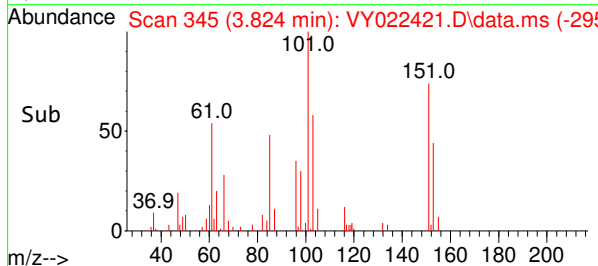
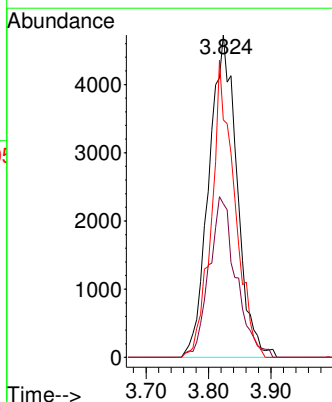
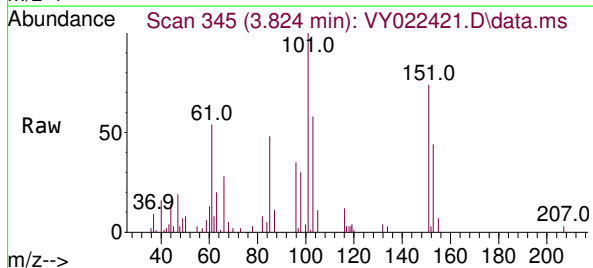
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.233 ug/l
RT: 3.824 min Scan# 345
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	101	Resp	1472
Ion	Ratio	Lower	Upper
101	100		
85	48.1	39.2	58.8
151	75.6	58.8	88.2

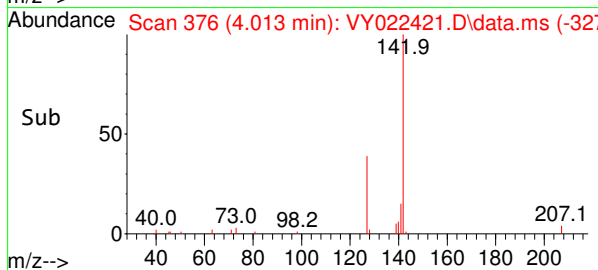
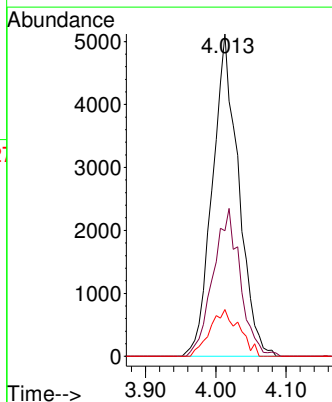
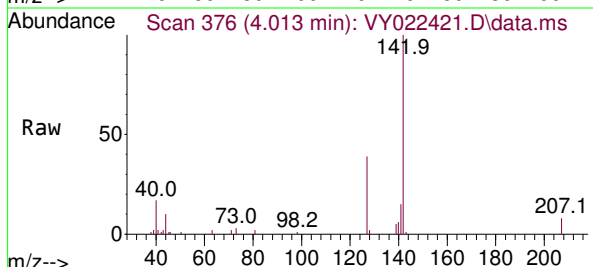
Manual Integrations
APPROVED

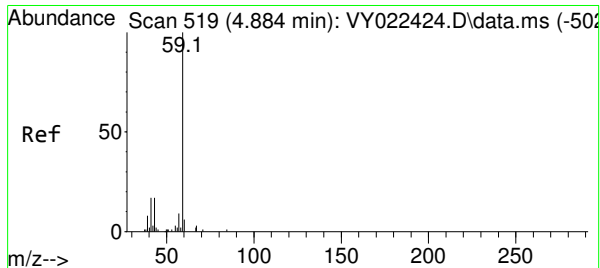
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#10
Methyl Iodide
Concen: 4.151 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	142	Resp	13178
Ion	Ratio	Lower	Upper
142	100		
127	48.0	36.2	54.4
141	16.4	11.6	17.4





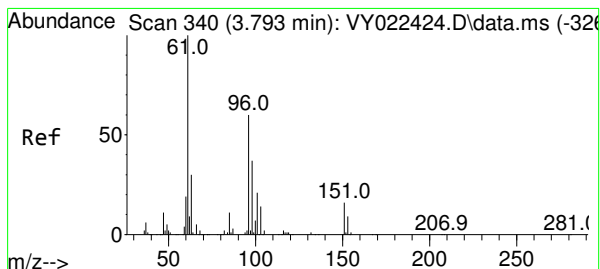
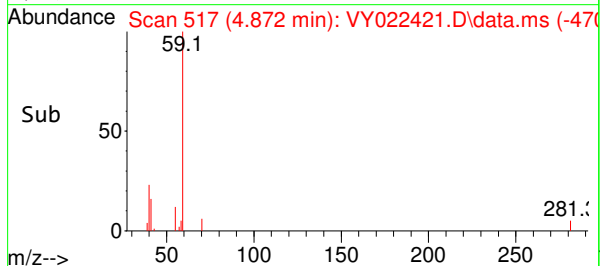
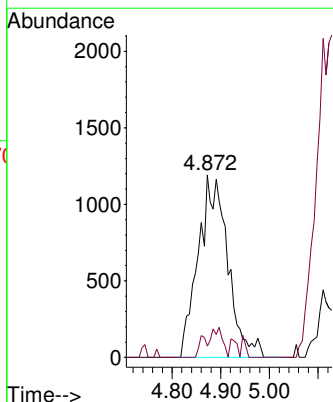
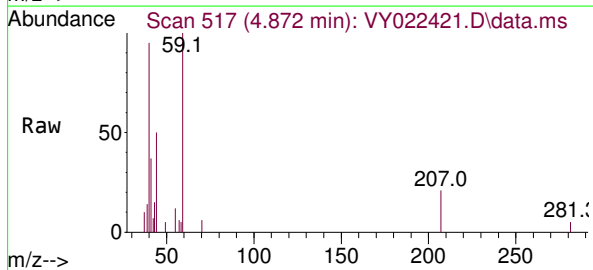
#11
Tert butyl alcohol
Concen: 25.228 ug/l m
RT: 4.872 min Scan# 519
Delta R.T. -0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 499
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7

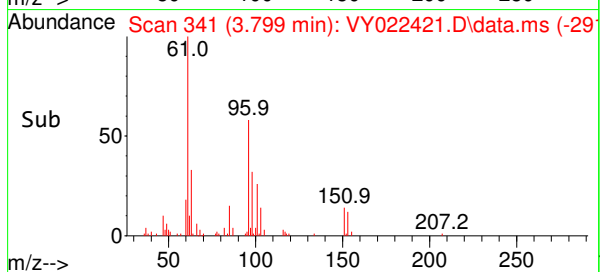
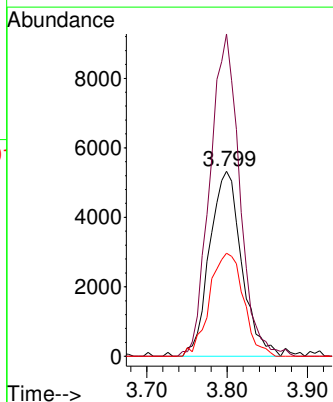
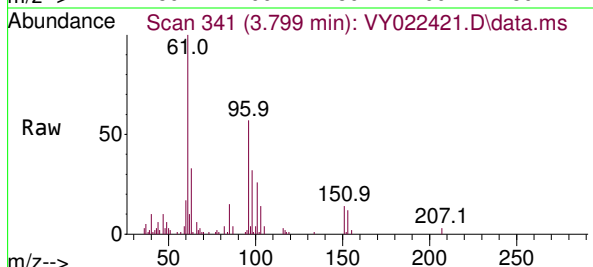
Manual Integrations
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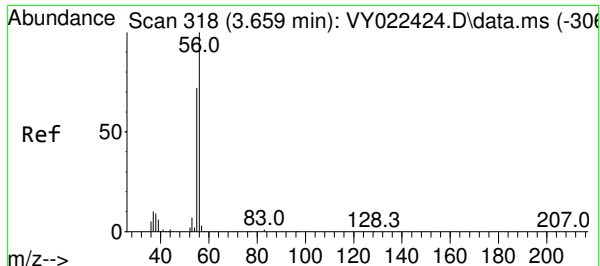
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#12
1,1-Dichloroethene
Concen: 5.268 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 96 Resp: 14718
Ion Ratio Lower Upper
96 100
61 174.1 134.1 201.1
98 55.7 50.2 75.2





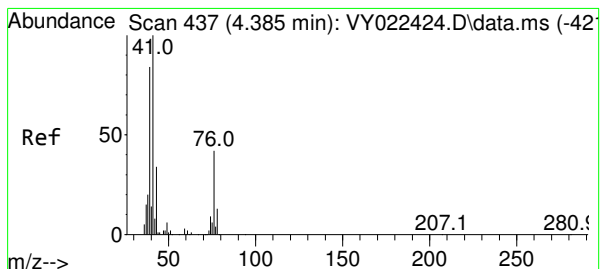
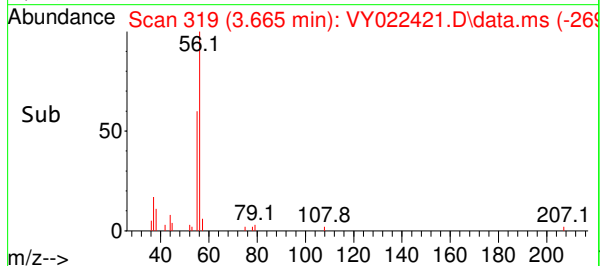
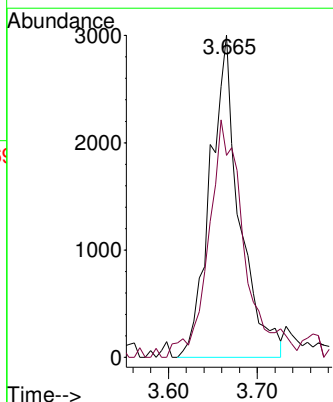
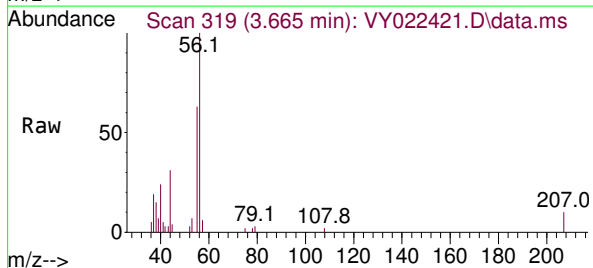
#13
Acrolein
Concen: 23.219 ug/l
RT: 3.665 min Scan# 318
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 688
Ion Ratio Lower Upper
56 100
55 89.6 56.5 84.7

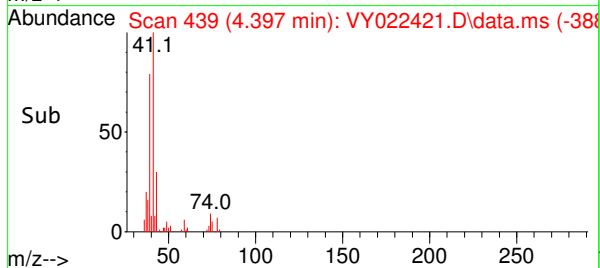
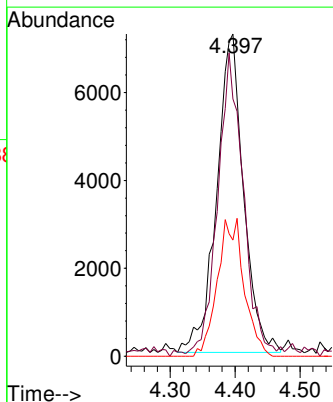
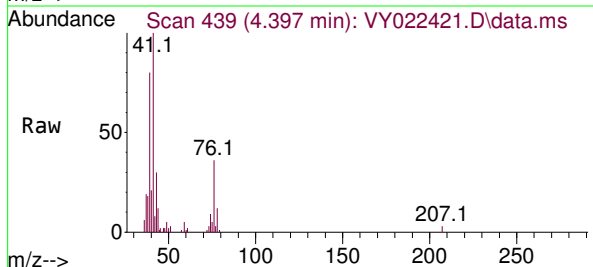
Manual Integrations
APPROVED

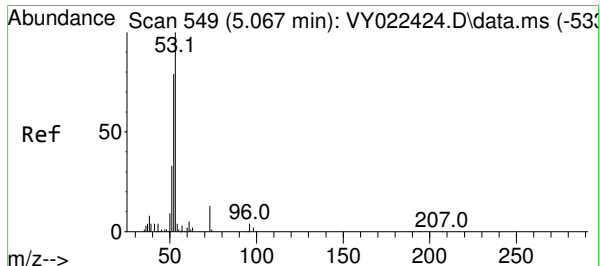
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#14
Allyl chloride
Concen: 4.980 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 41 Resp: 20931
Ion Ratio Lower Upper
41 100
39 89.3 66.6 100.0
76 42.7 33.7 50.5





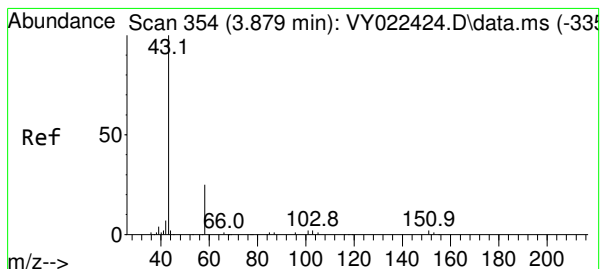
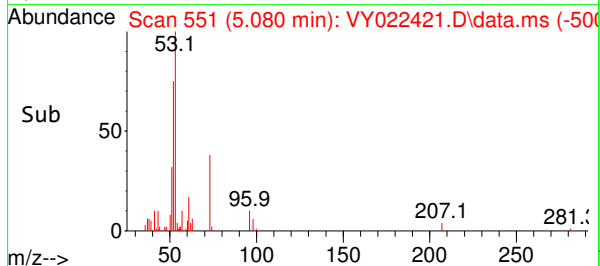
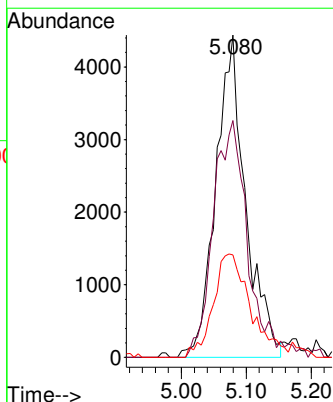
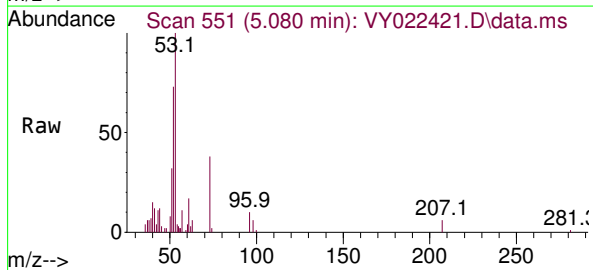
#15
Acrylonitrile
Concen: 23.859 ug/l
RT: 5.080 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:	53	Resp:	1422
Ion	Ratio	Lower	Upper
53	100		
52	85.0	65.1	97.7
51	40.0	30.0	45.0

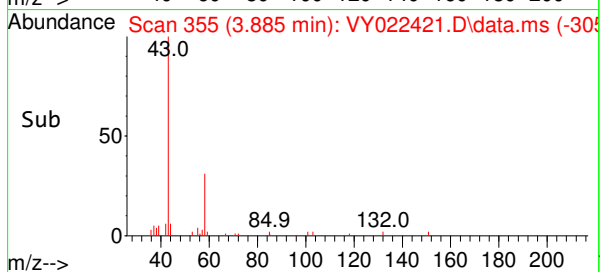
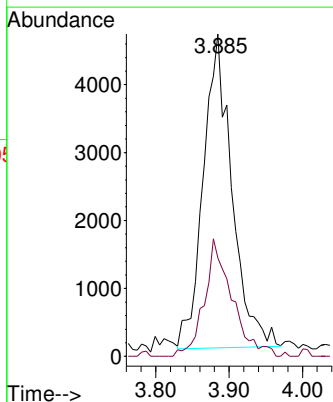
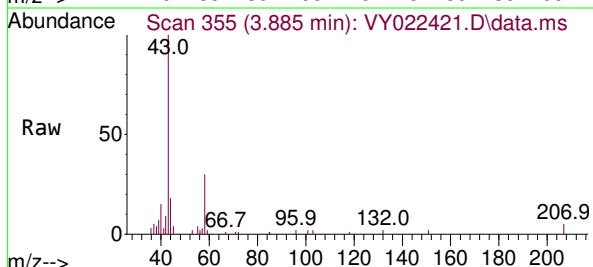
Manual Integrations
APPROVED

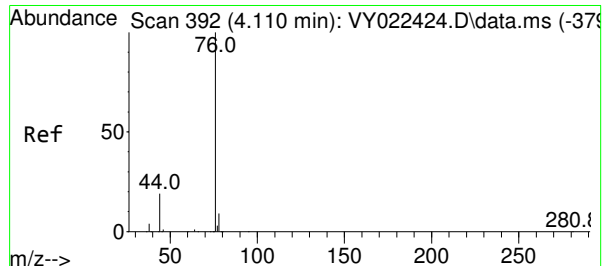
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#16
Acetone
Concen: 27.123 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:	43	Resp:	12519
Ion	Ratio	Lower	Upper
43	100		
58	31.4	20.6	30.8#





#17

Carbon Disulfide

Concen: 5.002 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY022421.D

Acq: 27 May 2025 08:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 4459

Ion Ratio Lower Upper

76 100

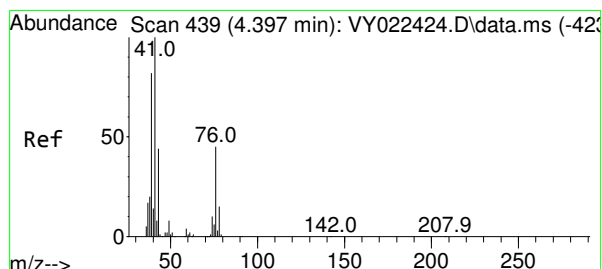
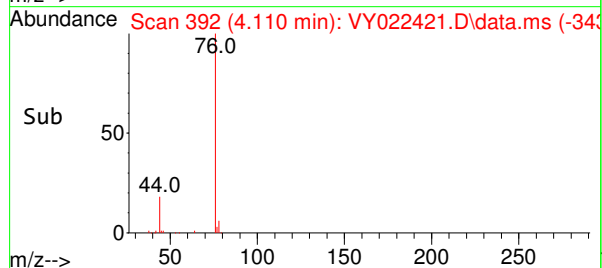
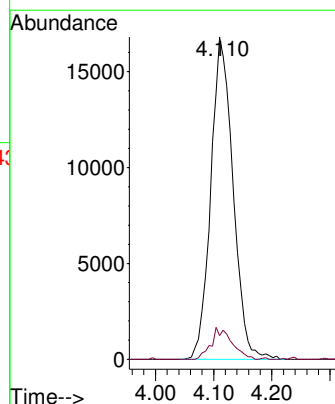
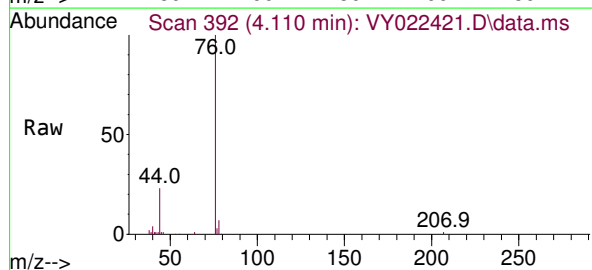
78 7.4 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#18

Methyl Acetate

Concen: 4.437 ug/l

RT: 4.391 min Scan# 438

Delta R.T. -0.006 min

Lab File: VY022421.D

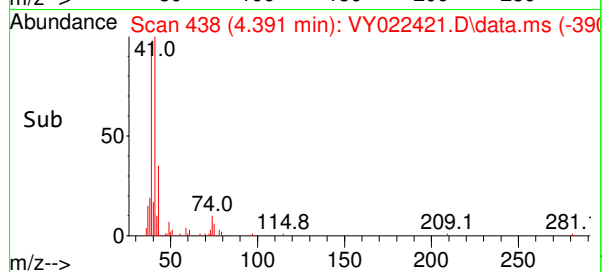
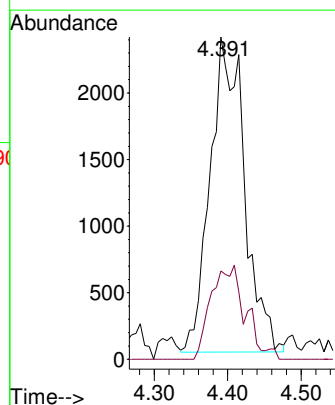
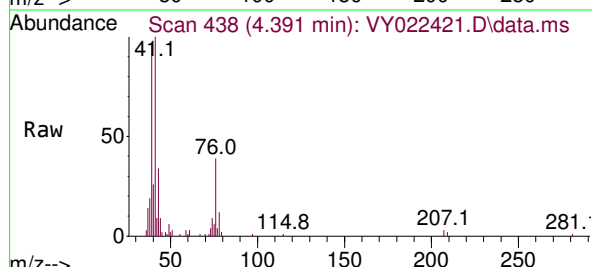
Acq: 27 May 2025 08:50

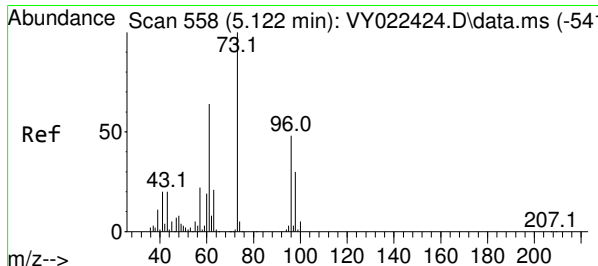
Tgt Ion: 43 Resp: 7671

Ion Ratio Lower Upper

43 100

74 30.0 21.2 31.8





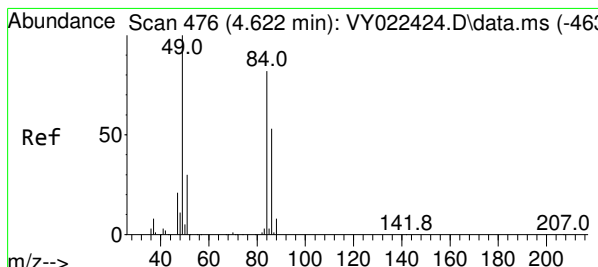
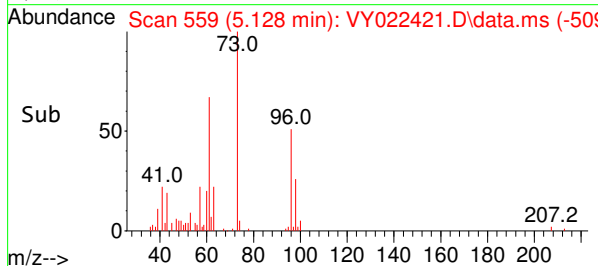
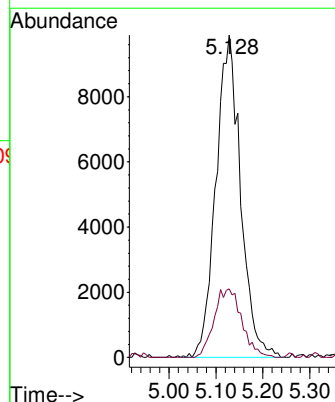
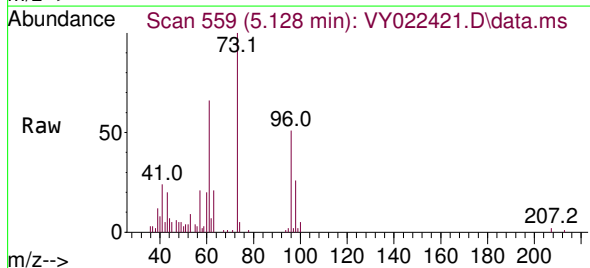
#19
Methyl tert-butyl Ether
Concen: 4.864 ug/l
RT: 5.128 min Scan# 558
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 3607
Ion Ratio Lower Upper
73 100
57 21.3 17.7 26.5

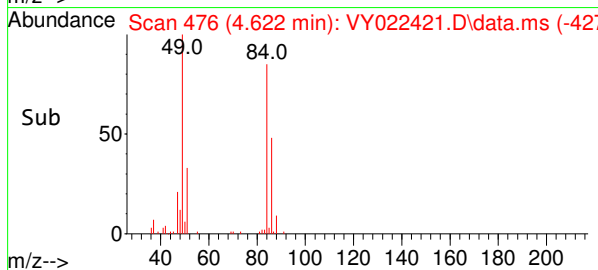
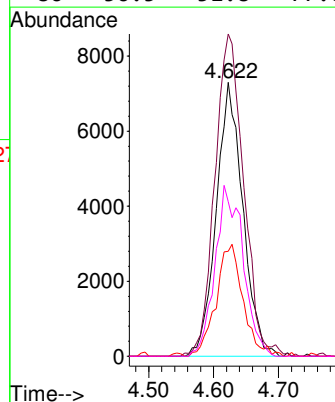
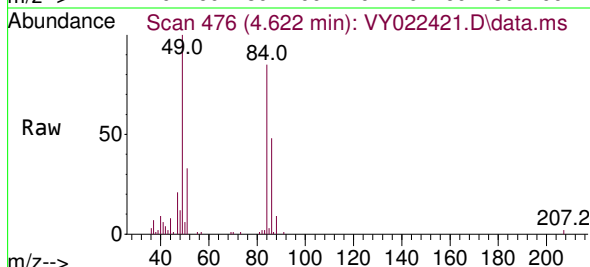
Manual Integrations
APPROVED

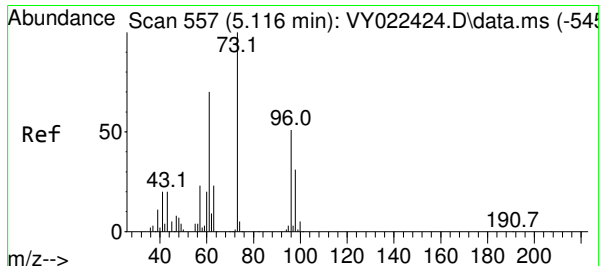
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#20
Methylene Chloride
Concen: 6.367 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 84 Resp: 20751
Ion Ratio Lower Upper
84 100
49 117.7 97.8 146.8
51 38.4 29.5 44.3
86 56.5 51.8 77.6





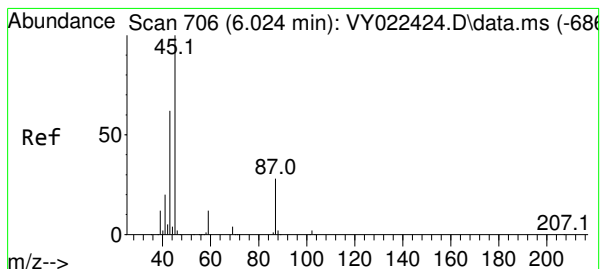
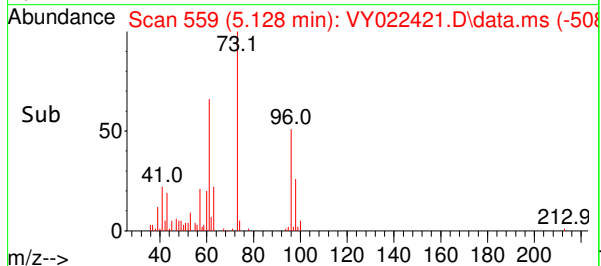
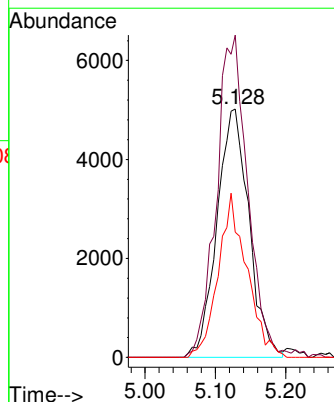
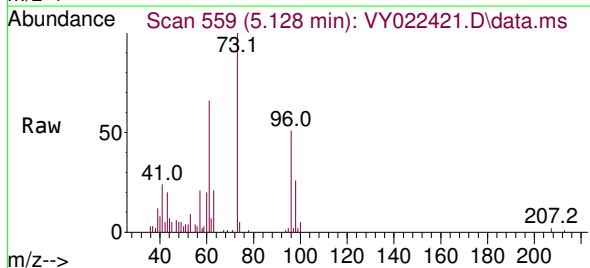
#21
trans-1,2-Dichloroethene
Concen: 5.203 ug/l
RT: 5.128 min Scan# 557
Delta R.T. 0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:	96	Resp:	1587
Ion	Ratio	Lower	Upper
96	100		
61	129.8	110.4	165.6
98	50.4	48.6	73.0

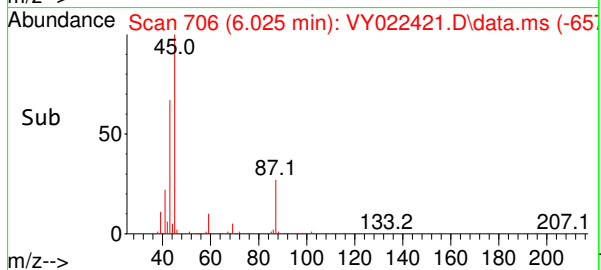
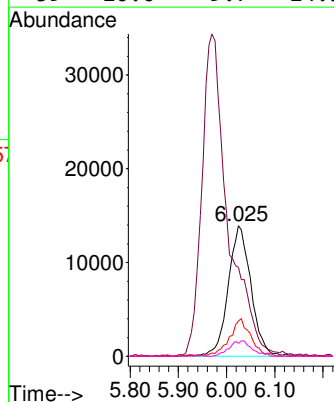
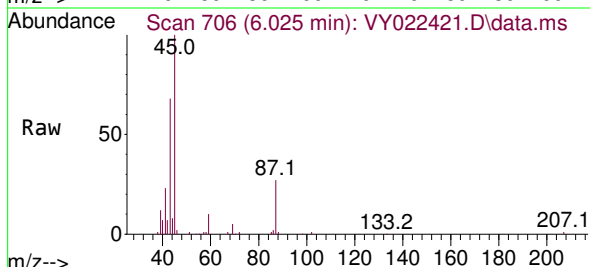
Manual Integrations
APPROVED

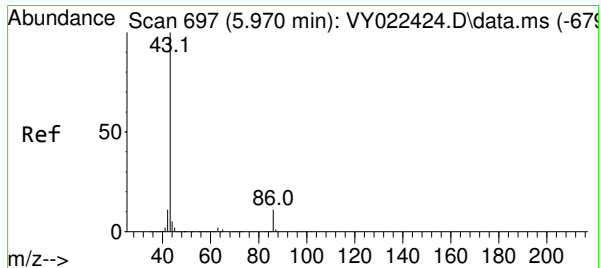
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#22
Diisopropyl ether
Concen: 4.916 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:	45	Resp:	45596
Ion	Ratio	Lower	Upper
45	100		
43	66.5	49.8	74.8
87	27.1	23.0	34.6
59	10.0	9.7	14.5





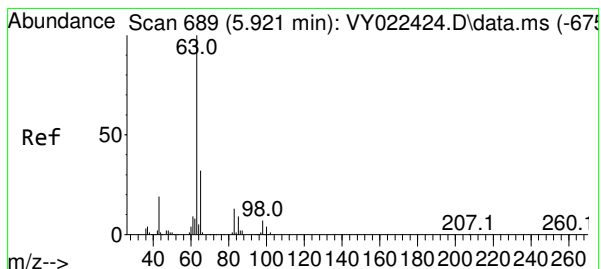
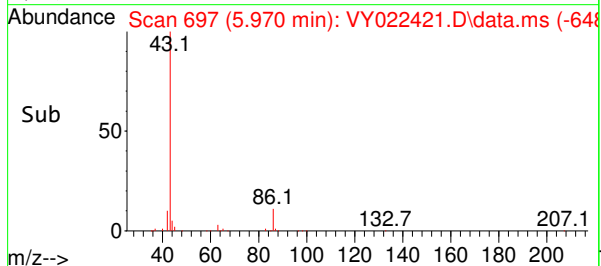
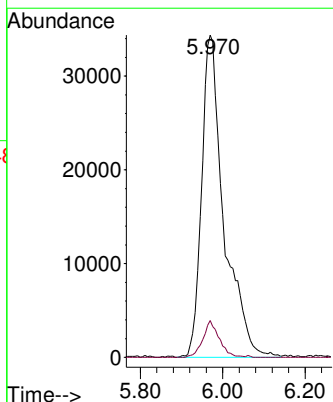
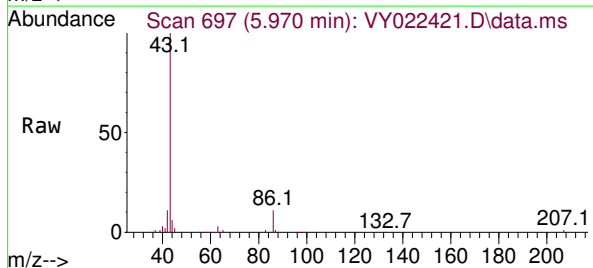
#23
Vinyl Acetate
Concen: 24.282 ug/l
RT: 5.970 min Scan# 697
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 12932
Ion Ratio Lower Upper
43 100
86 11.4 8.8 13.2

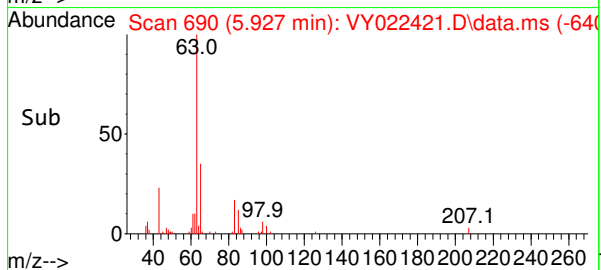
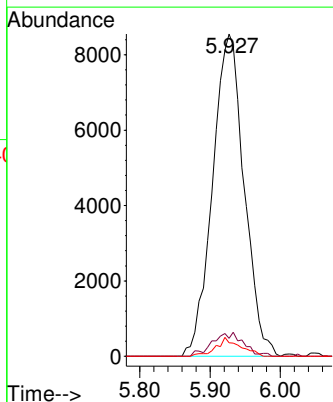
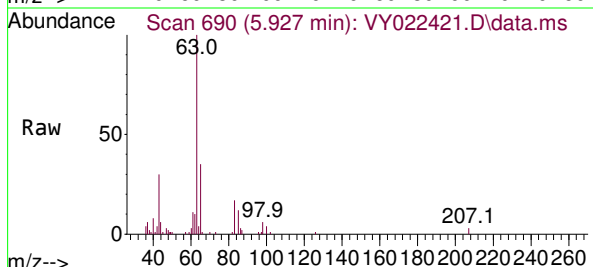
Manual Integrations
APPROVED

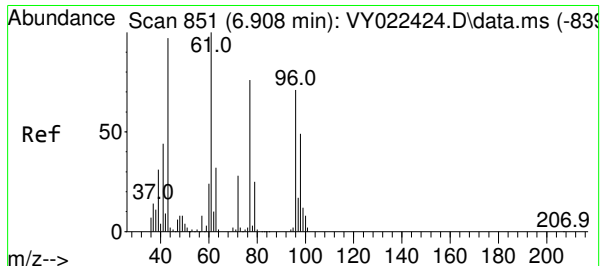
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#24
1,1-Dichloroethane
Concen: 4.866 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 63 Resp: 26673
Ion Ratio Lower Upper
63 100
98 5.5 3.5 10.5
100 4.2 2.1 6.5





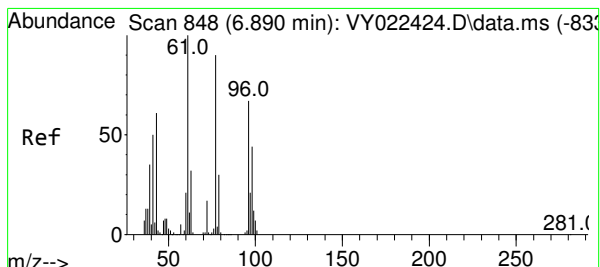
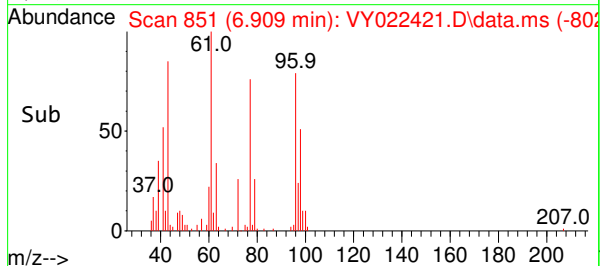
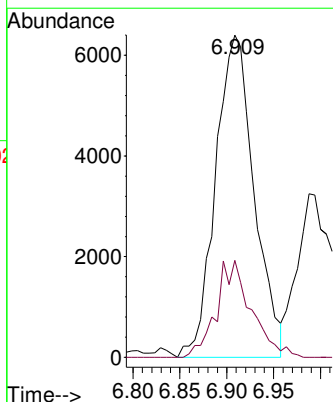
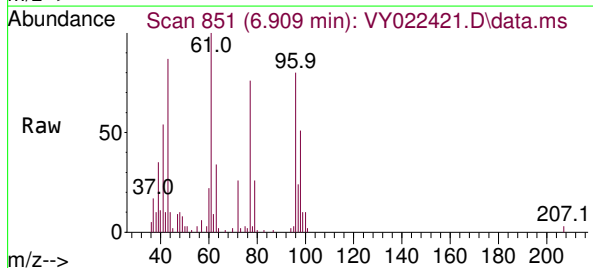
#25
2-Butanone
Concen: 23.799 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 1829
Ion Ratio Lower Upper
43 100
72 30.1 22.8 34.2

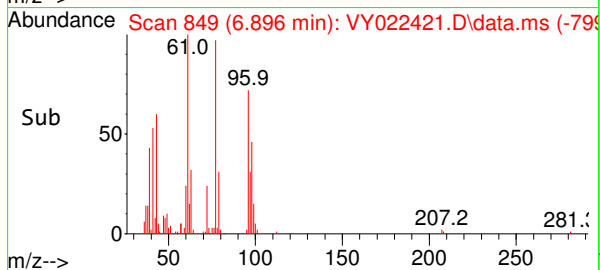
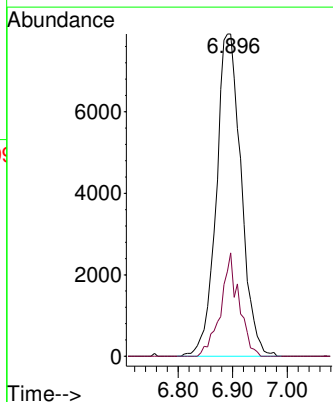
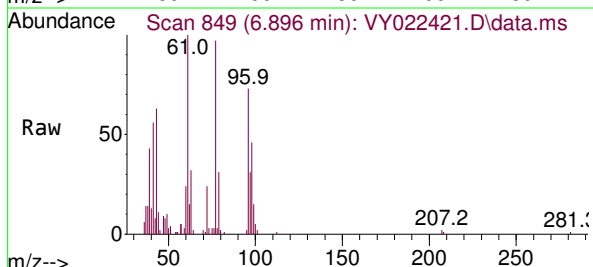
Manual Integrations
APPROVED

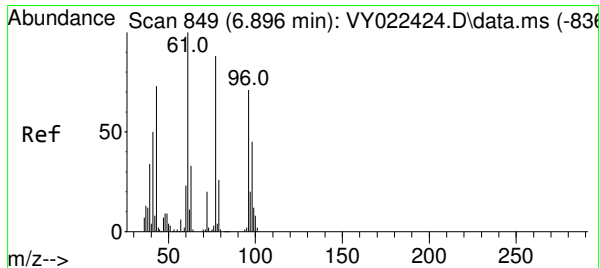
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#26
2,2-Dichloropropane
Concen: 5.037 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 77 Resp: 24997
Ion Ratio Lower Upper
77 100
97 23.8 11.6 34.7





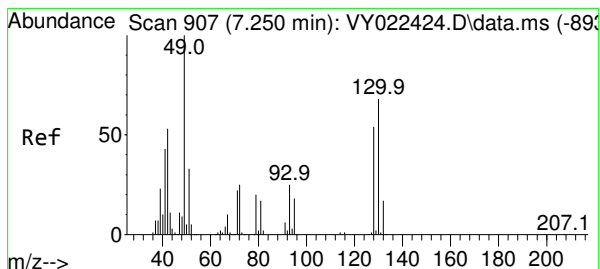
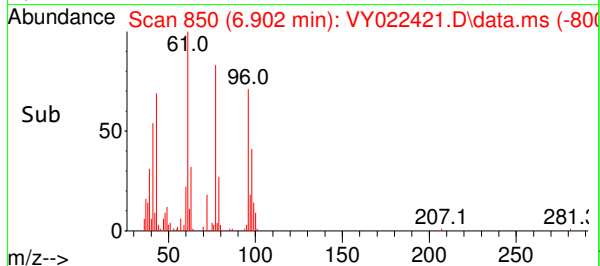
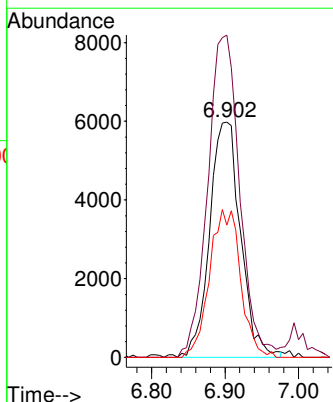
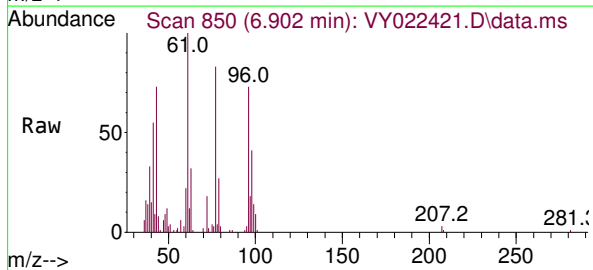
#27
cis-1,2-Dichloroethene
Concen: 4.944 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	292.0
98	63.1	0.0	131.0

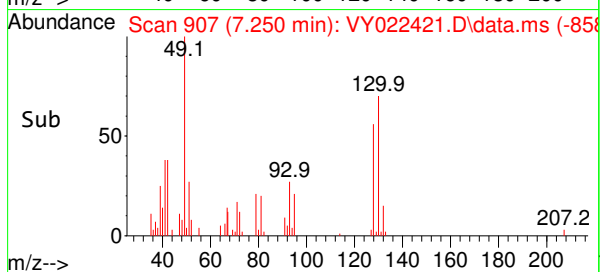
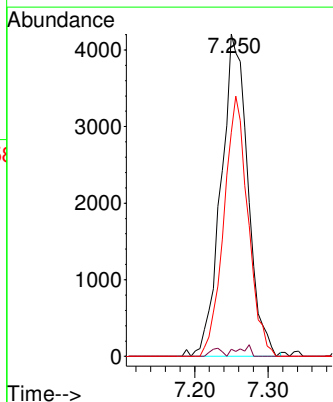
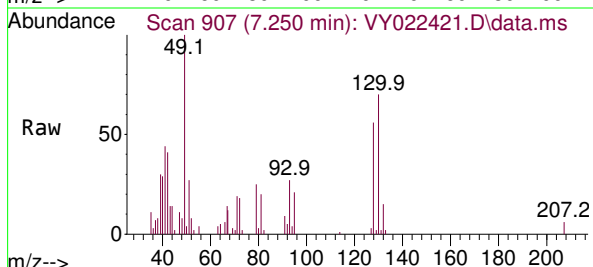
Manual Integrations
APPROVED

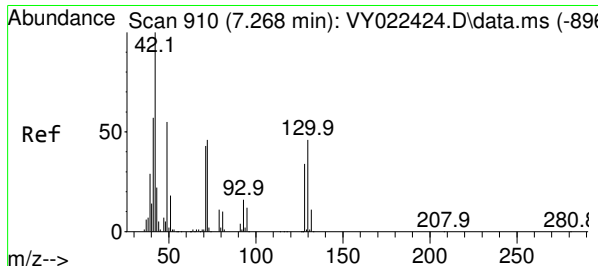
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#28
Bromochloromethane
Concen: 4.657 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	72.8	56.9	85.3





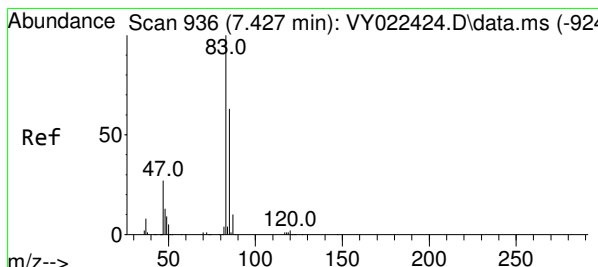
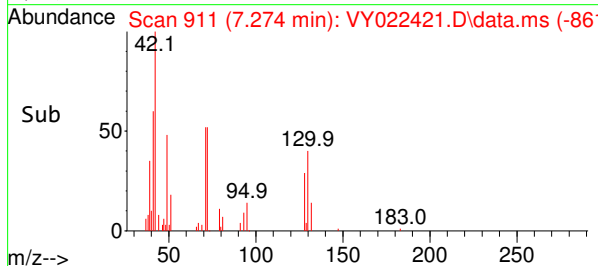
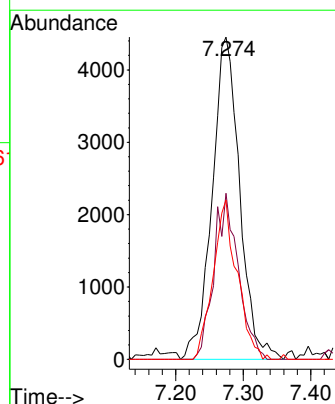
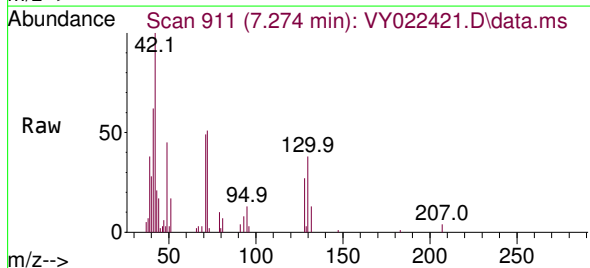
#29
Tetrahydrofuran
Concen: 24.613 ug/l
RT: 7.274 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.7	56.5
71	43.1	34.7	52.1

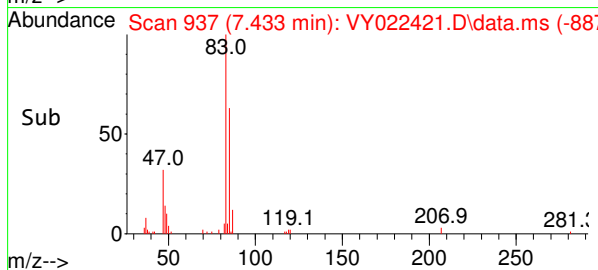
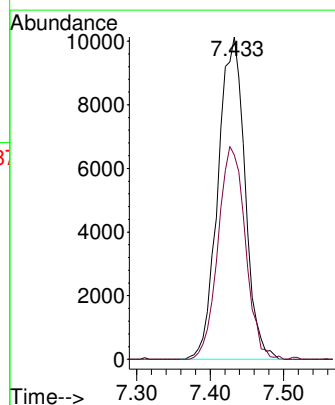
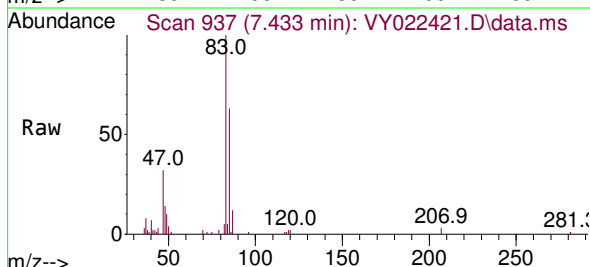
Manual Integrations
APPROVED

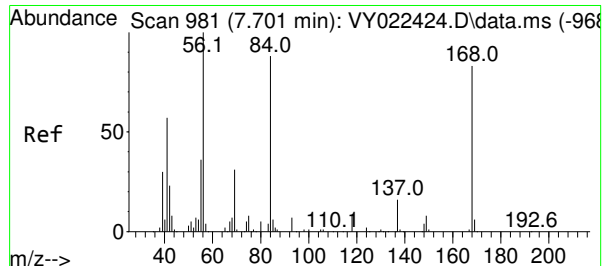
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#30
Chloroform
Concen: 4.771 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.1	75.1





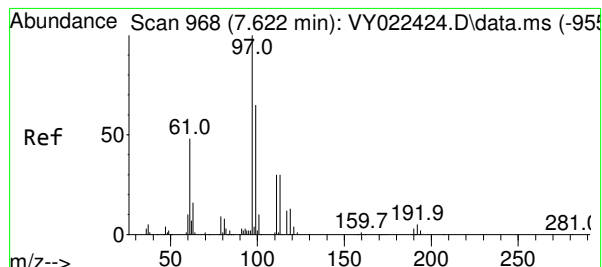
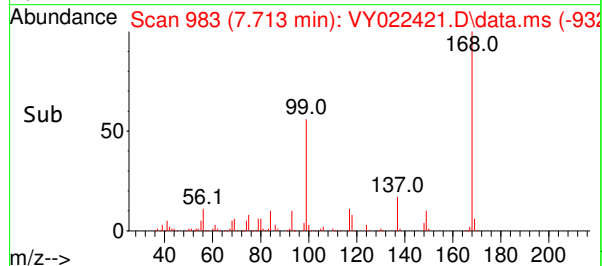
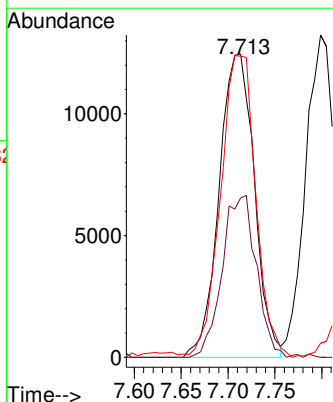
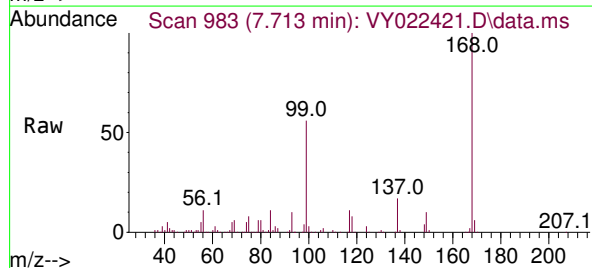
#31
Cyclohexane
Concen: 6.024 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 3254
Ion Ratio Lower Upper
56 100
69 52.5 24.6 36.8
84 98.3 70.4 105.6

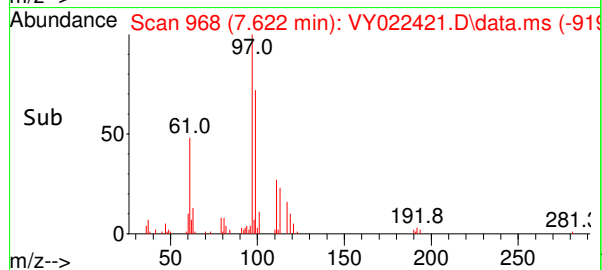
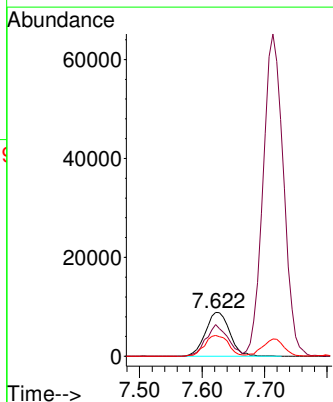
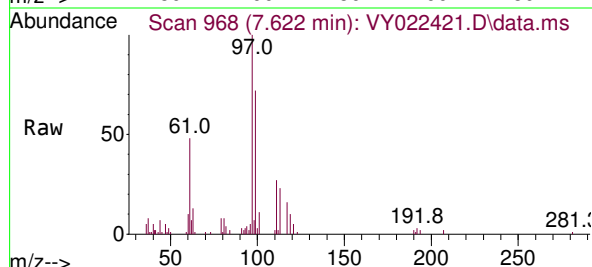
Manual Integrations
APPROVED

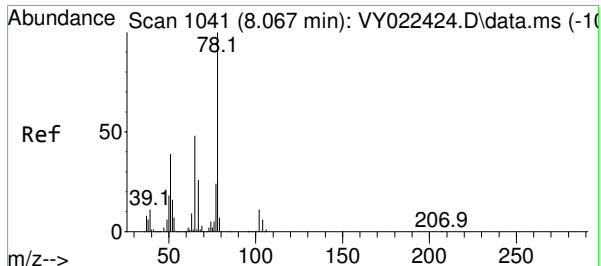
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#32
1,1,1-Trichloroethane
Concen: 4.896 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 97 Resp: 23999
Ion Ratio Lower Upper
97 100
99 65.1 51.3 76.9
61 47.1 37.3 55.9





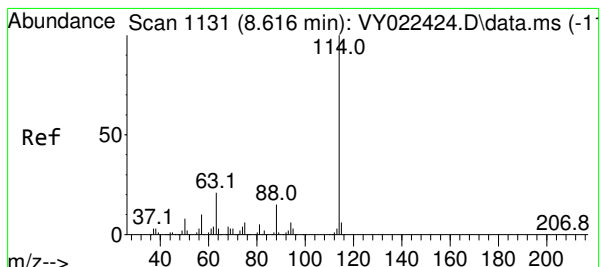
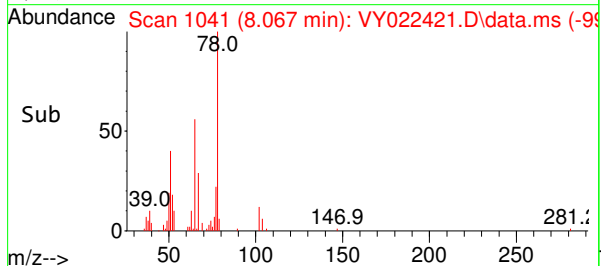
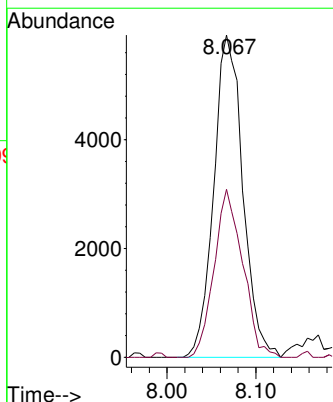
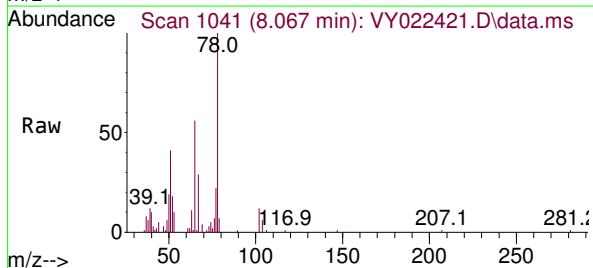
#33
1,2-Dichloroethane-d4
Concen: 4.811 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 1351
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.4

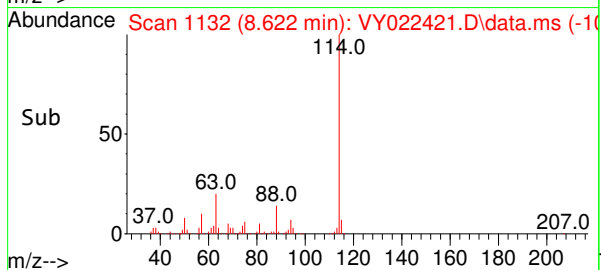
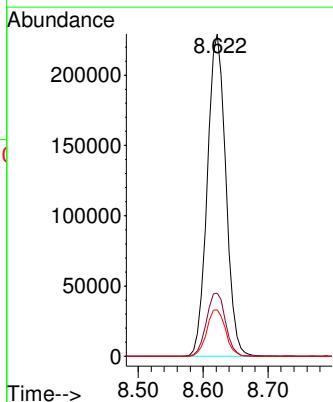
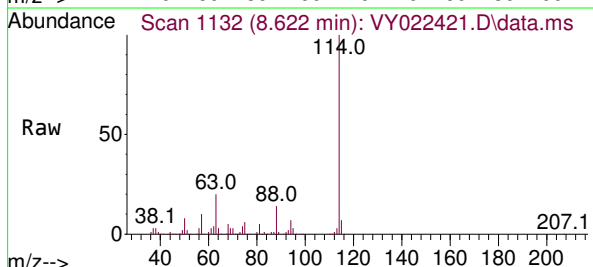
Manual Integrations
APPROVED

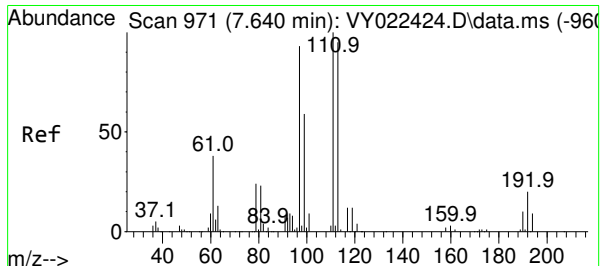
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:114 Resp: 453411
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.6
88 14.4 0.0 29.4





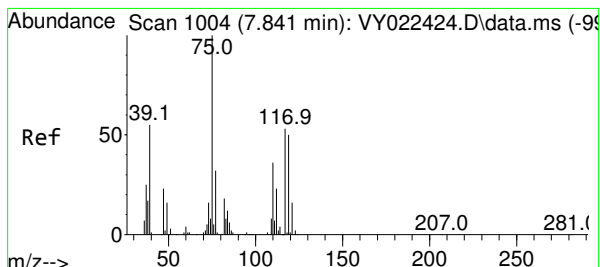
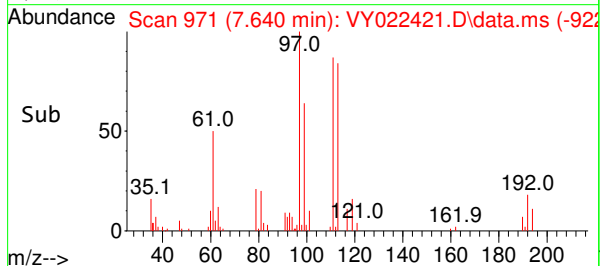
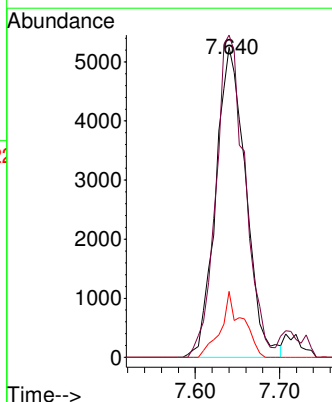
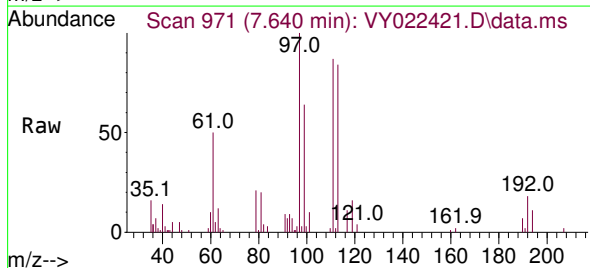
#35
Dibromofluoromethane
Concen: 4.898 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 113 Resp: 1300
Ion Ratio Lower Upper
113 100
111 101.2 82.4 123.6
192 15.3 15.2 22.8

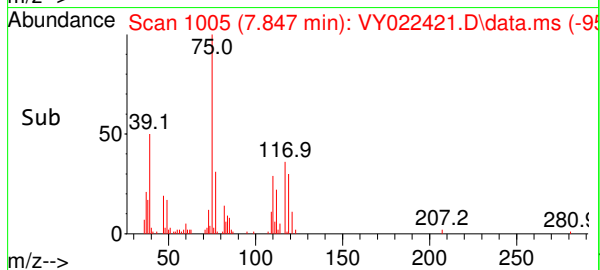
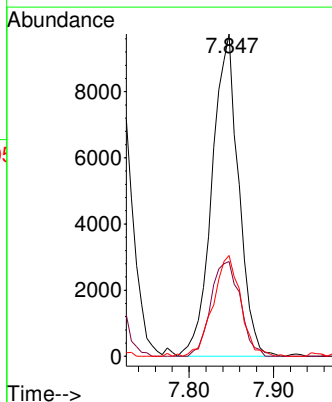
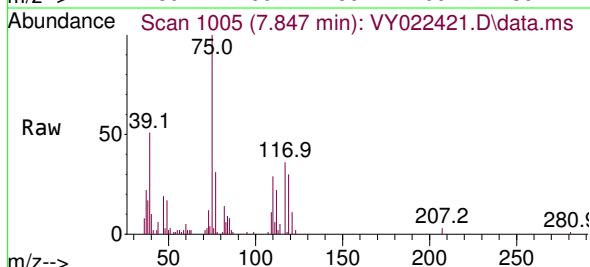
Manual Integrations
APPROVED

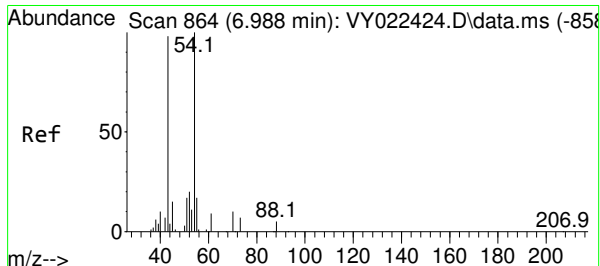
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#36
1,1-Dichloropropene
Concen: 5.079 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 75 Resp: 21399
Ion Ratio Lower Upper
75 100
110 32.6 17.1 51.2
77 32.5 25.1 37.7





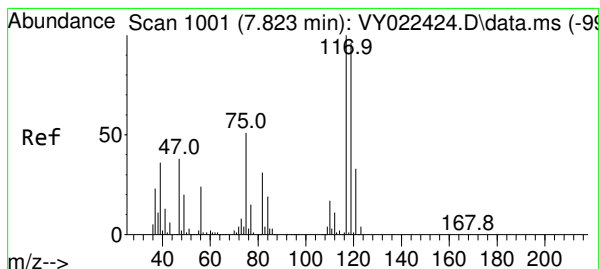
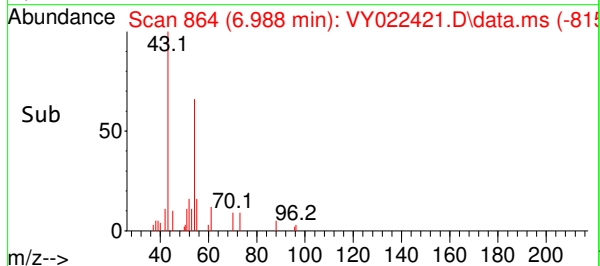
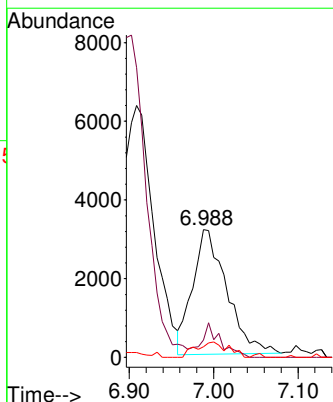
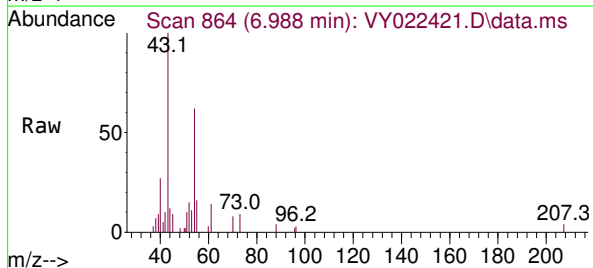
#37
Ethyl Acetate
Concen: 5.000 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 895
Ion Ratio Lower Upper
43 100
61 15.4 11.7 17.5
70 11.4 7.8 11.6

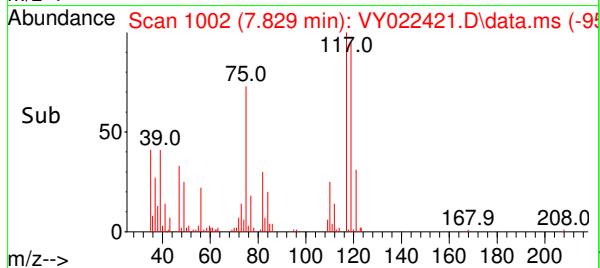
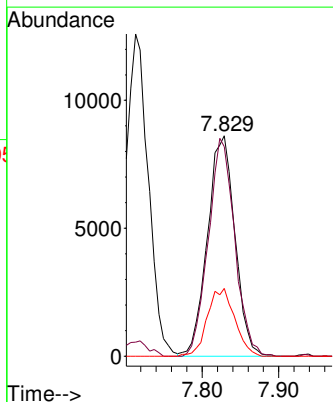
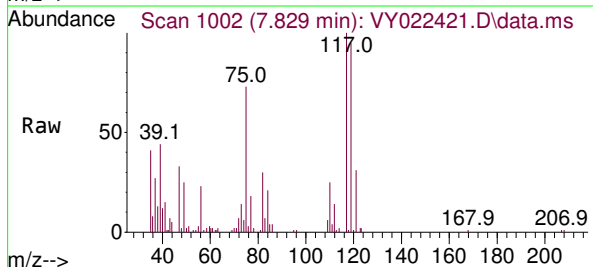
Manual Integrations
APPROVED

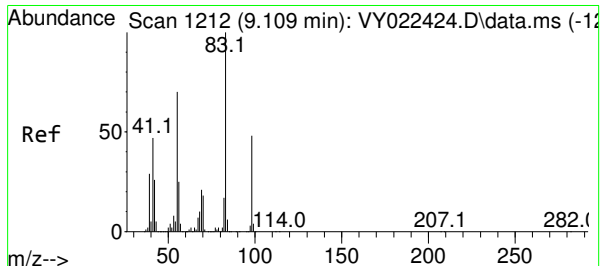
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#38
Carbon Tetrachloride
Concen: 4.888 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:117 Resp: 21453
Ion Ratio Lower Upper
117 100
119 95.2 76.3 114.5
121 30.8 26.1 39.1





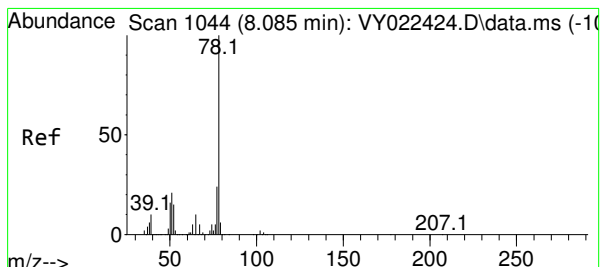
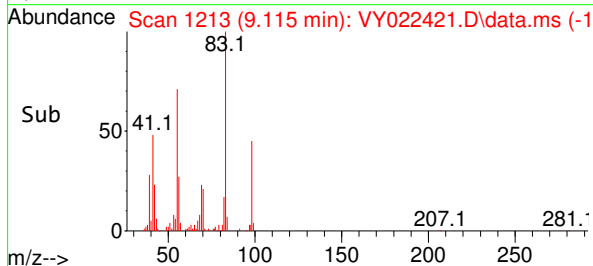
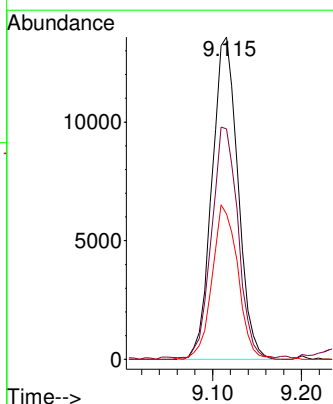
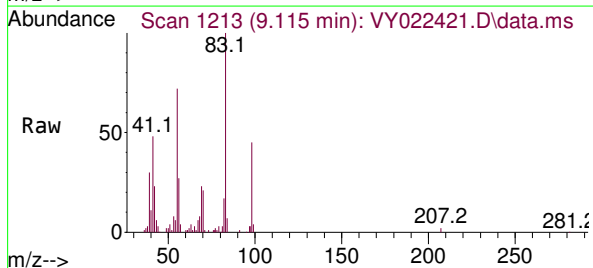
#39
Methylcyclohexane
Concen: 4.948 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.0	56.2	84.2
98	45.1	38.4	57.6

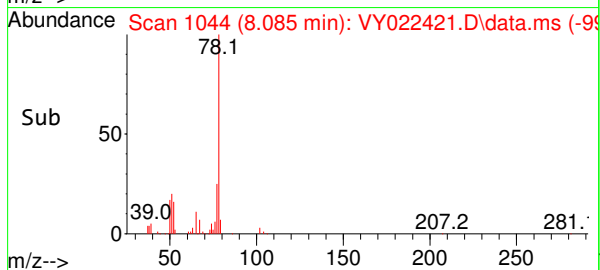
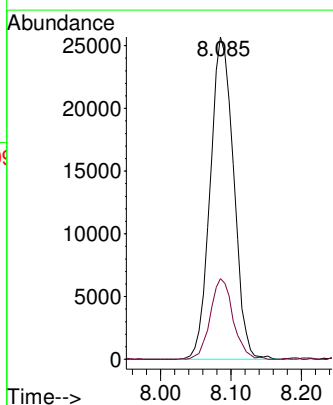
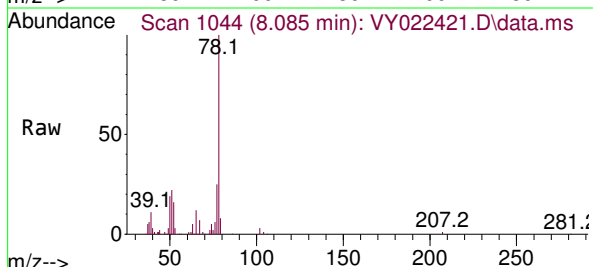
Manual Integrations
APPROVED

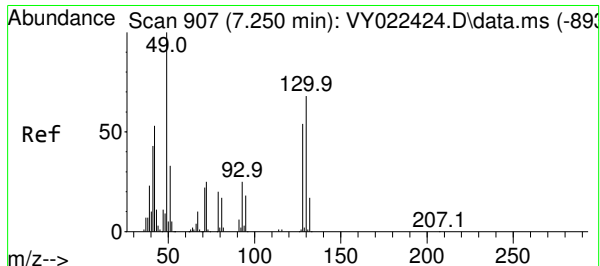
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#40
Benzene
Concen: 4.732 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.4	29.2





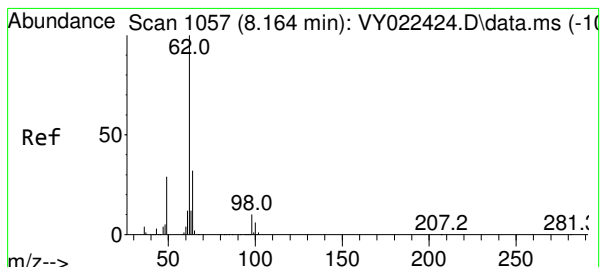
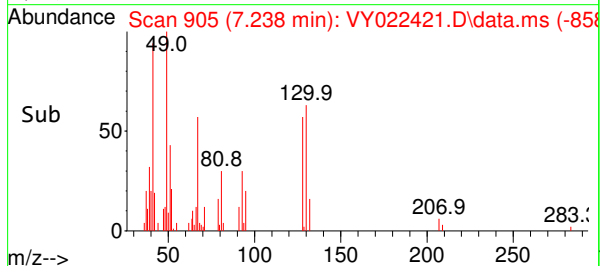
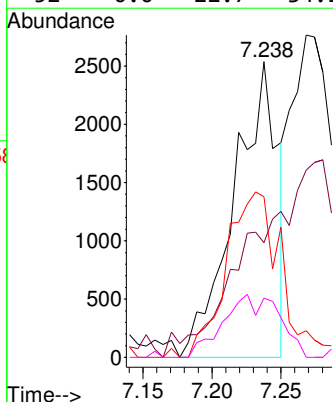
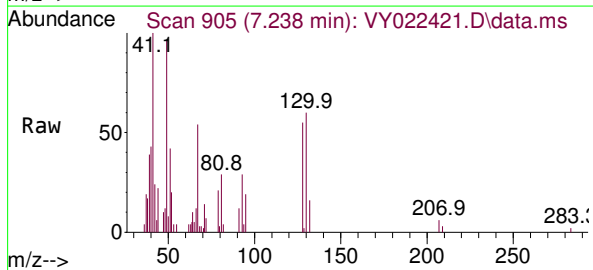
#41
Methacrylonitrile
Concen: 2.353 ug/l m
RT: 7.238 min Scan# 905
Delta R.T. -0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 554
Ion Ratio Lower Upper
41 100
39 0.0 40.4 60.6
67 0.0 53.0 79.4
52 0.0 22.7 34.1#

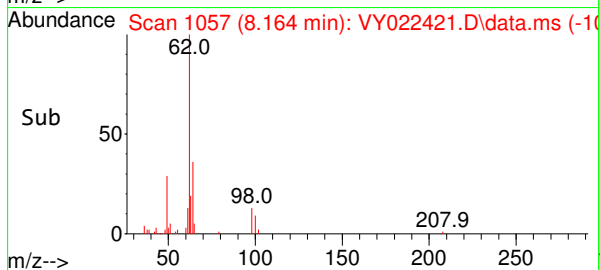
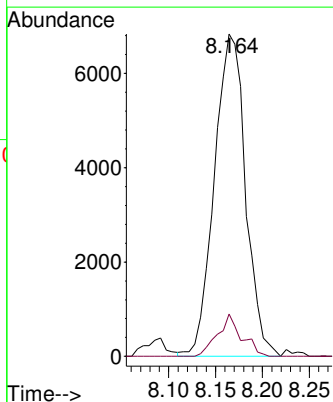
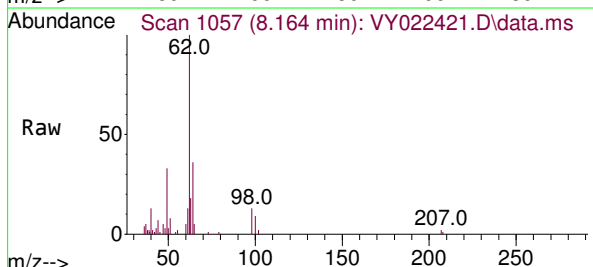
Manual Integrations
APPROVED

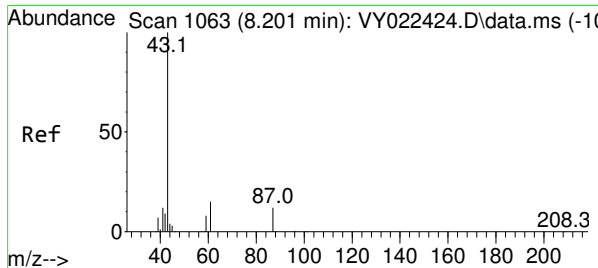
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#42
1,2-Dichloroethane
Concen: 4.764 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 62 Resp: 15776
Ion Ratio Lower Upper
62 100
98 10.1 0.0 18.4





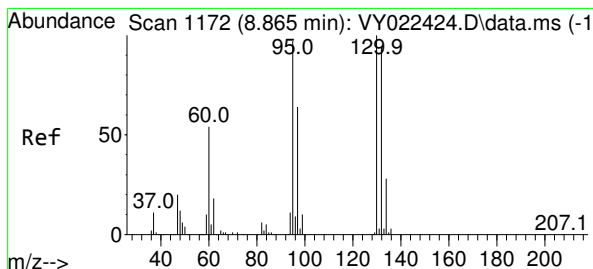
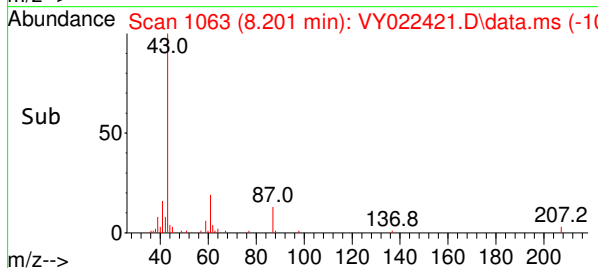
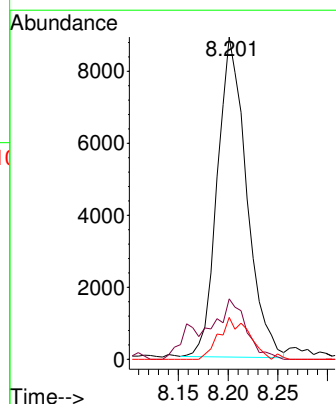
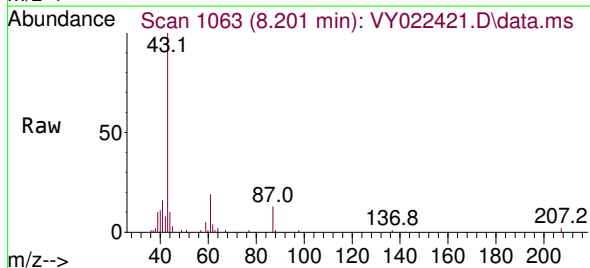
#43
Isopropyl Acetate
Concen: 4.662 ug/l
RT: 8.201 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.4	23.6
87	13.3	10.6	15.8

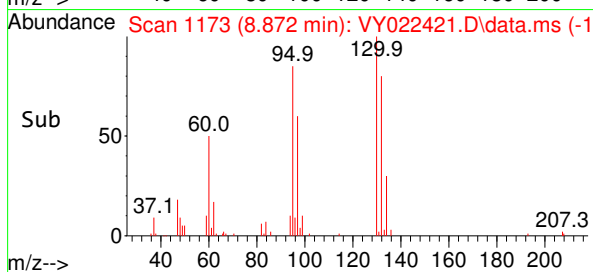
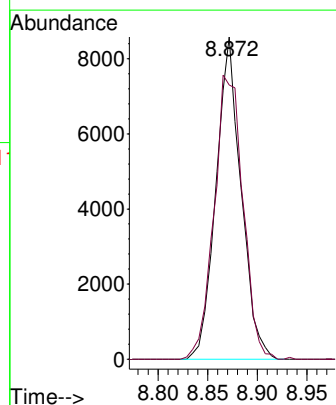
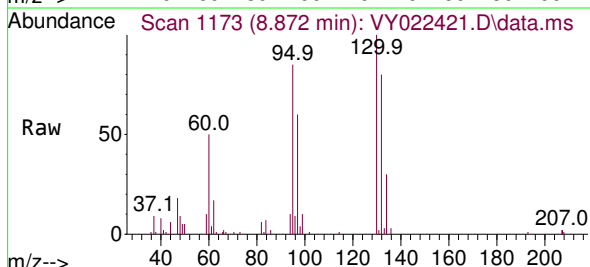
Manual Integrations
APPROVED

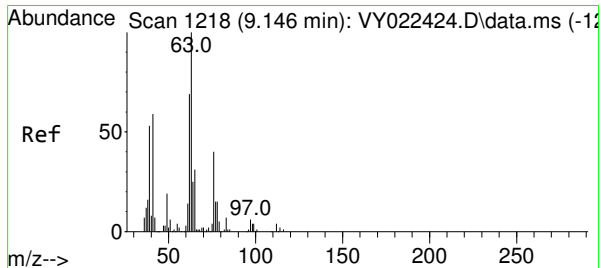
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#44
Trichloroethene
Concen: 4.882 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.1	0.0	194.8





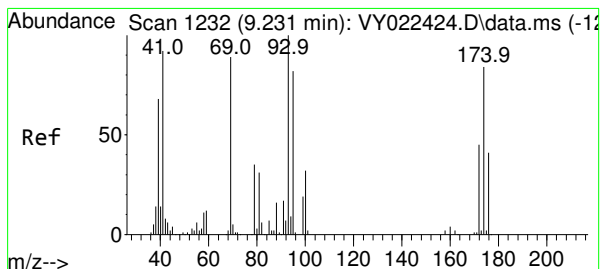
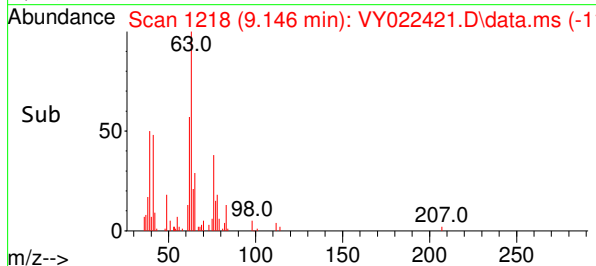
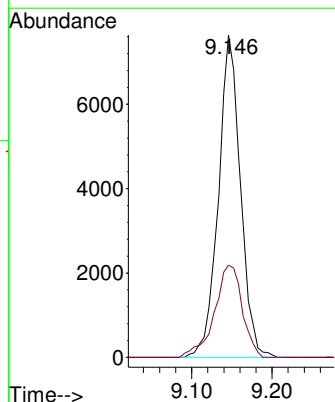
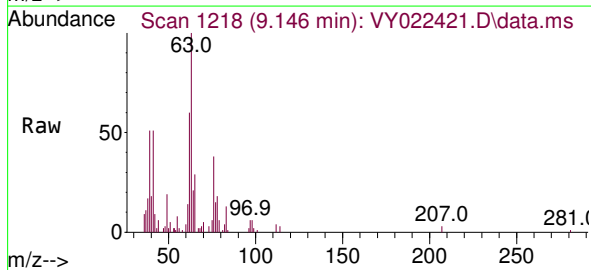
#45
1,2-Dichloropropane
Concen: 4.935 ug/l
RT: 9.146 min Scan# 1218
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 1453
Ion Ratio Lower Upper
63 100
65 28.6 25.1 37.7

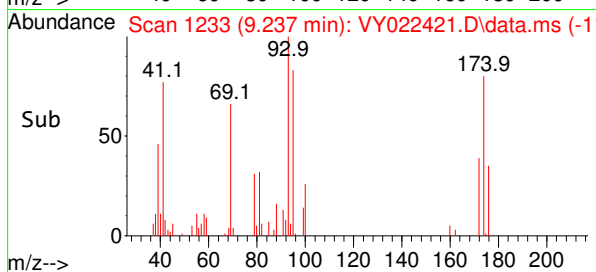
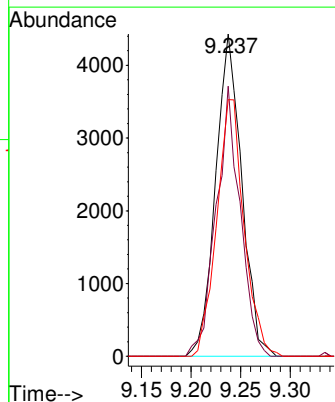
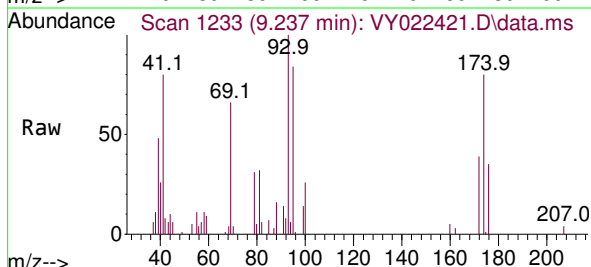
Manual Integrations
APPROVED

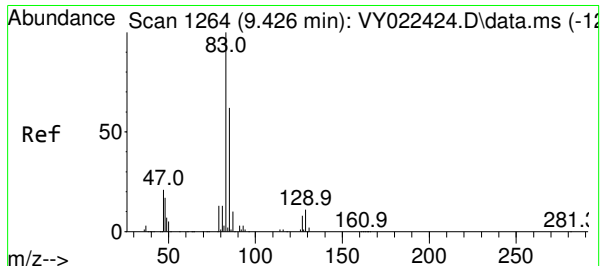
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#46
Dibromomethane
Concen: 4.948 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 93 Resp: 8142
Ion Ratio Lower Upper
93 100
95 77.0 66.2 99.2
174 83.4 71.1 106.7





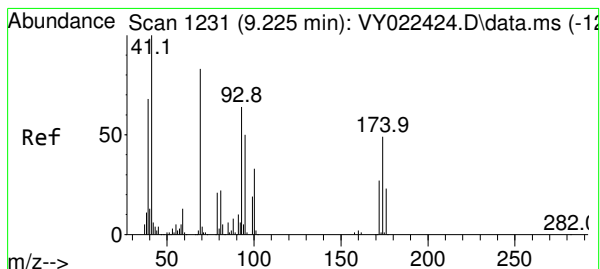
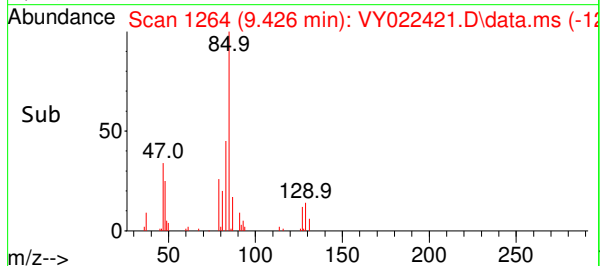
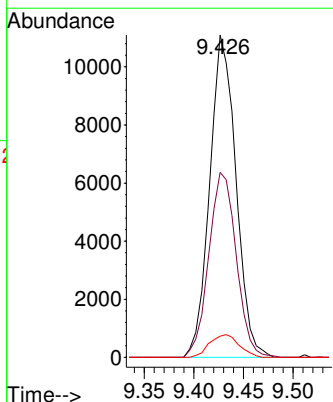
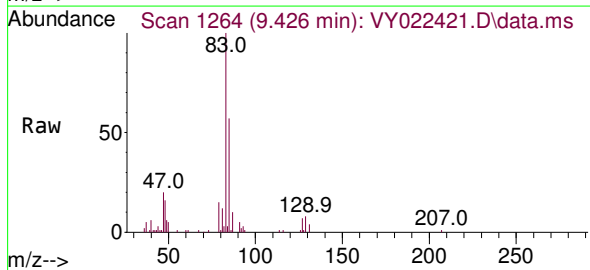
#47
Bromodichloromethane
Concen: 4.839 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.4	49.8	74.6
127	6.6	6.6	9.8

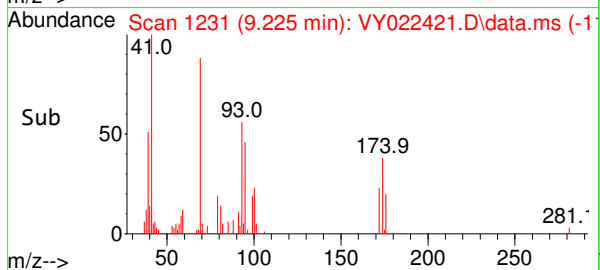
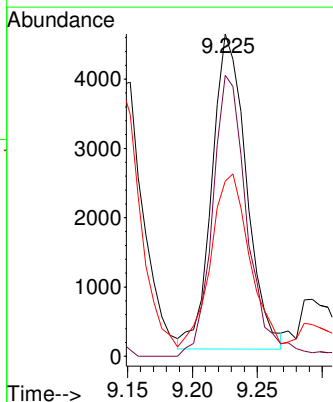
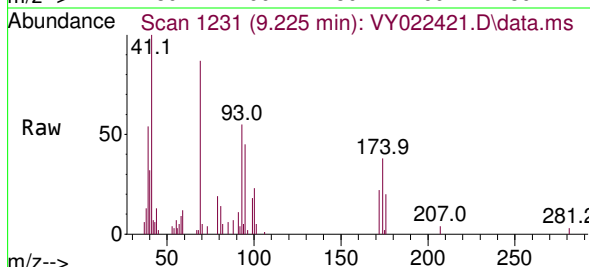
Manual Integrations
APPROVED

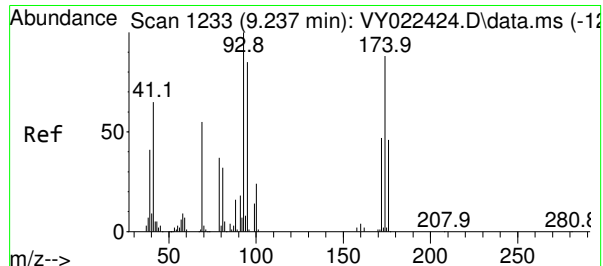
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#48
Methyl methacrylate
Concen: 4.619 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.2	70.3	105.5
39	61.6	55.4	83.0





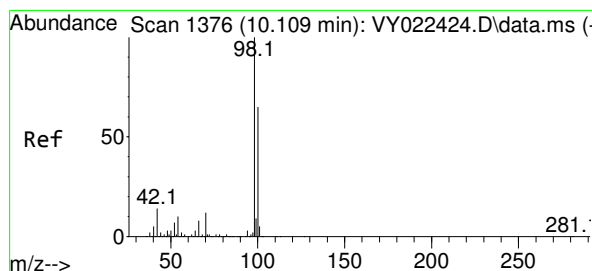
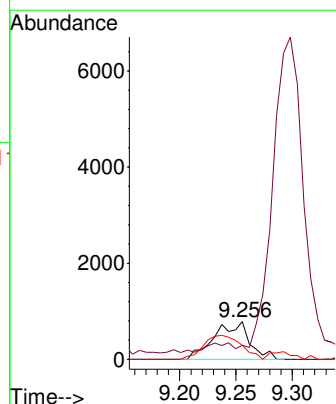
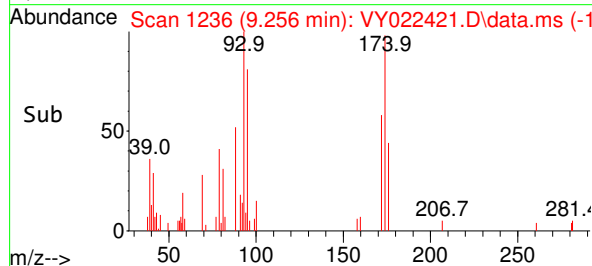
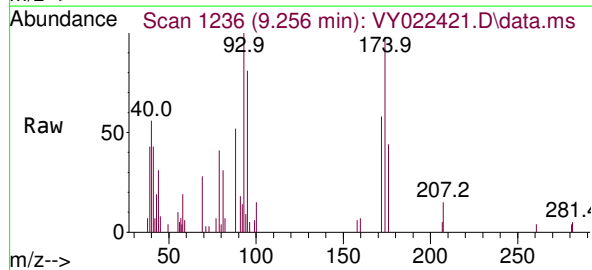
#49
1,4-Dioxane
Concen: 94.135 ug/l
RT: 9.256 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 171
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3
58 68.2 55.8 83.6

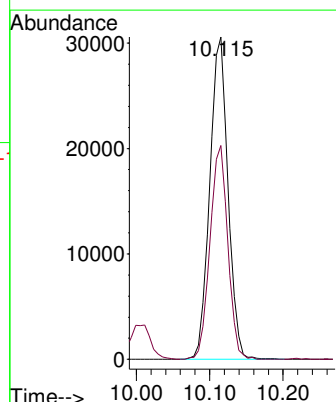
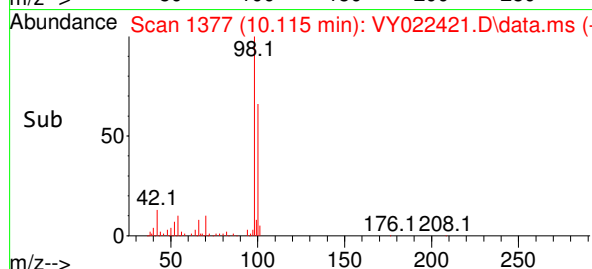
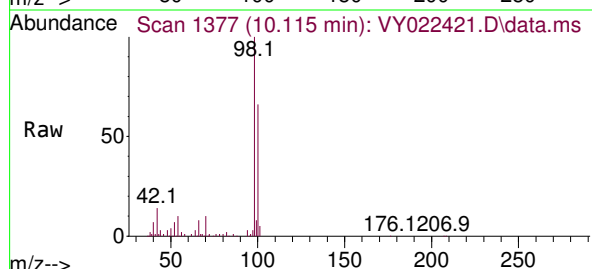
Manual Integrations
APPROVED

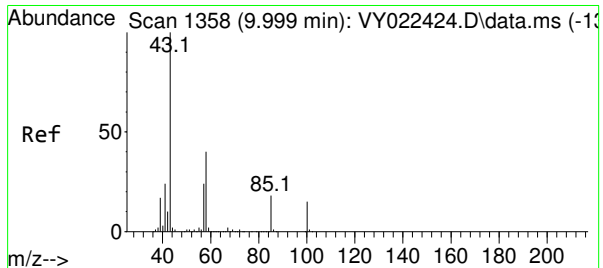
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#50
Toluene-d8
Concen: 4.856 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 98 Resp: 52564
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2





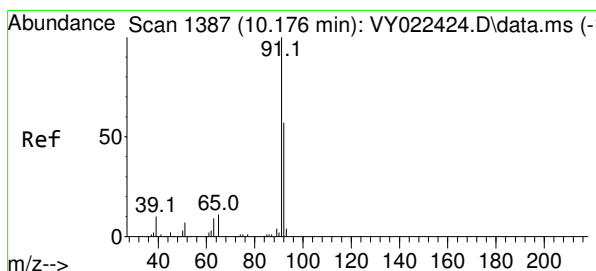
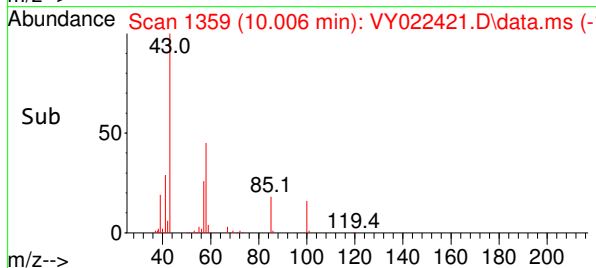
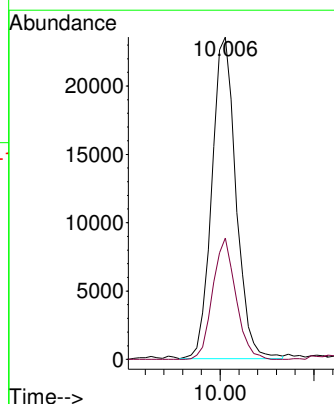
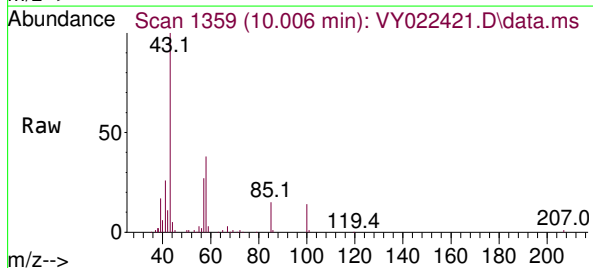
#51
4-Methyl-2-Pentanone
Concen: 21.778 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 4204
Ion Ratio Lower Upper
43 100
58 36.1 31.2 46.8

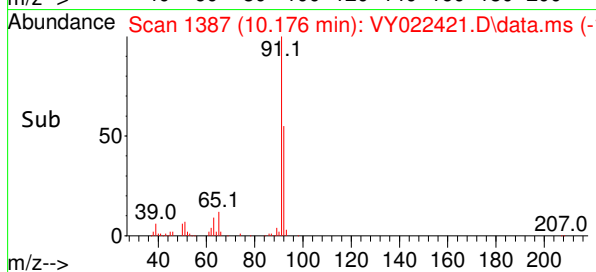
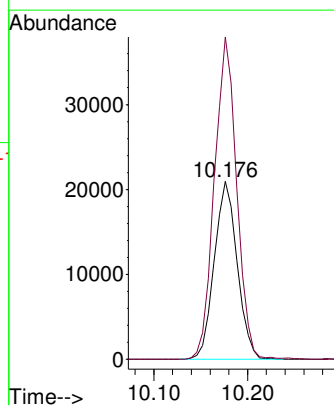
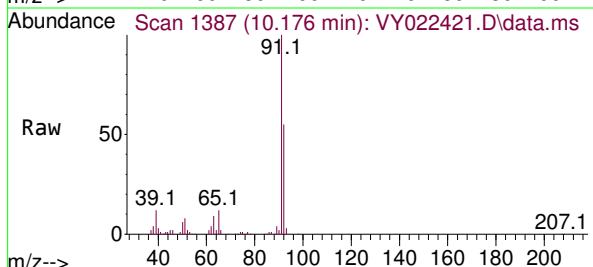
Manual Integrations
APPROVED

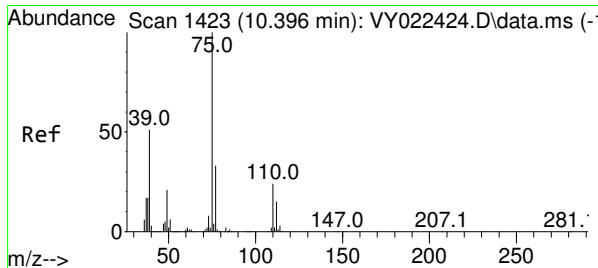
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#52
Toluene
Concen: 4.527 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 92 Resp: 35452
Ion Ratio Lower Upper
92 100
91 176.7 139.8 209.6





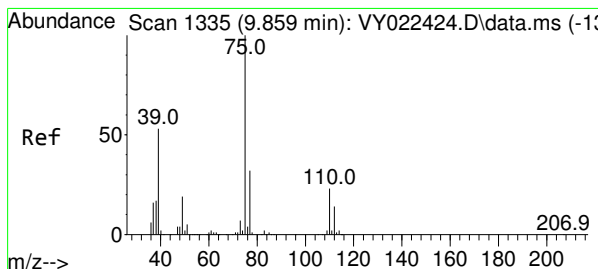
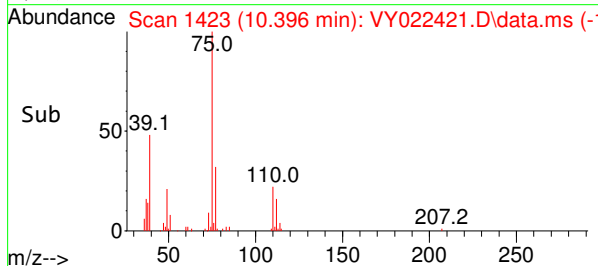
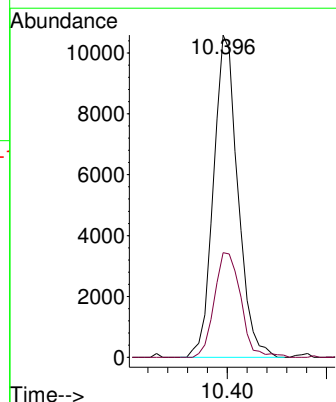
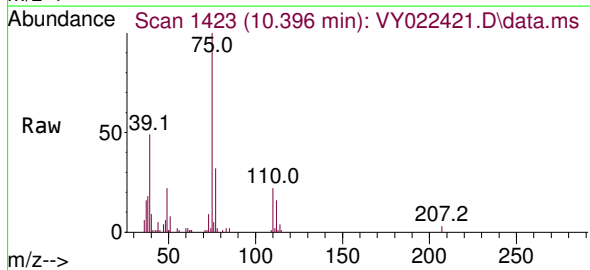
#53
t-1,3-Dichloropropene
Concen: 4.596 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 1811
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2

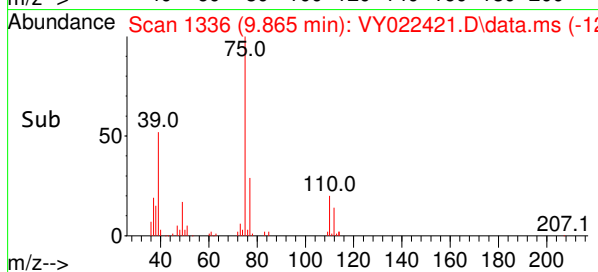
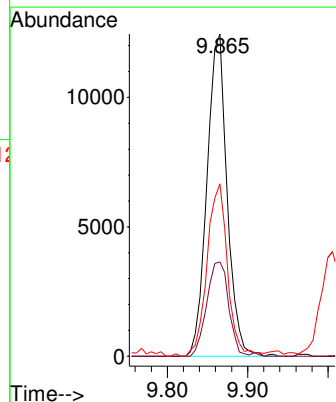
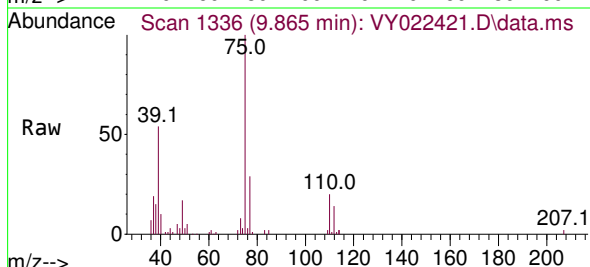
Manual Integrations
APPROVED

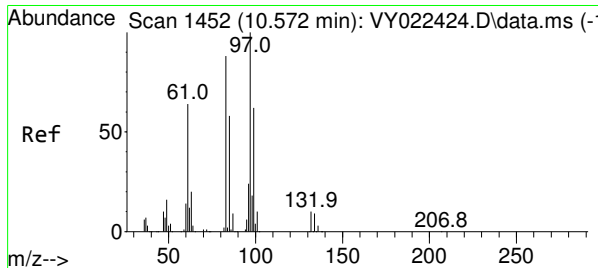
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#54
cis-1,3-Dichloropropene
Concen: 4.671 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 75 Resp: 21634
Ion Ratio Lower Upper
75 100
77 29.3 25.4 38.2
39 53.5 42.5 63.7





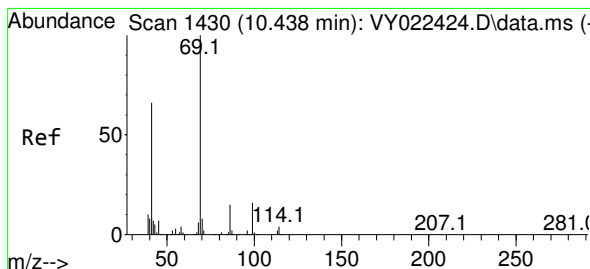
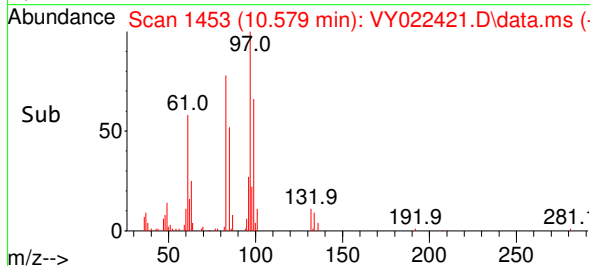
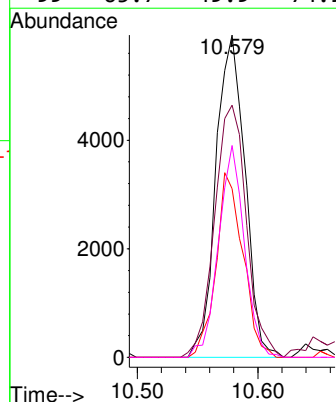
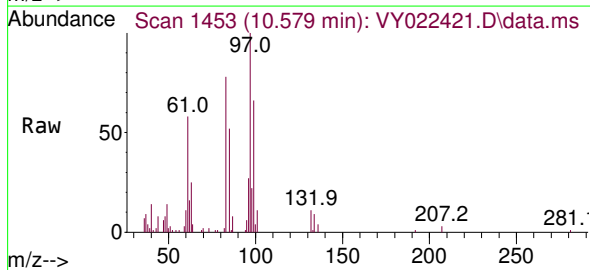
#55
1,1,2-Trichloroethane
Concen: 4.765 ug/l
RT: 10.579 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.2	70.2	105.4
85	52.3	46.1	69.1
99	65.7	49.9	74.9

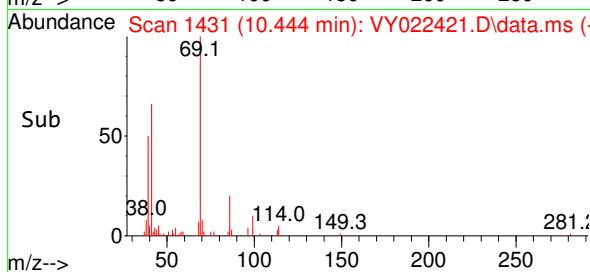
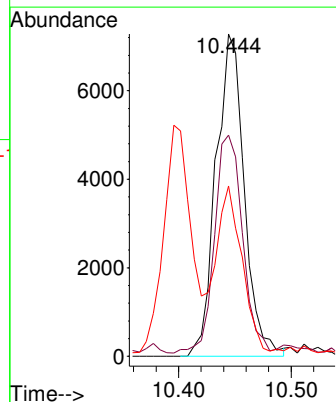
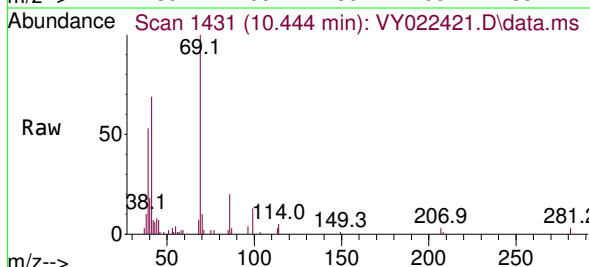
Manual Integrations
APPROVED

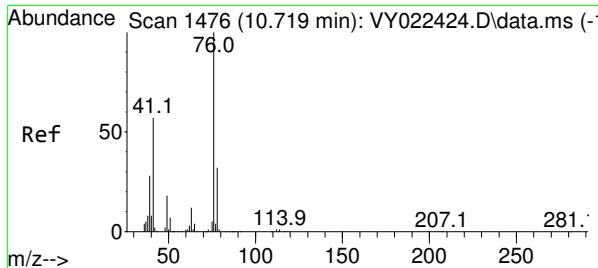
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#56
Ethyl methacrylate
Concen: 4.258 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.6	51.2	76.8
39	48.3	35.2	52.8





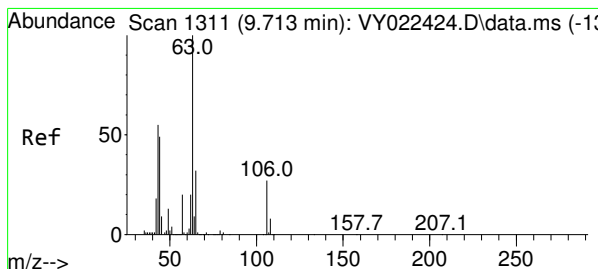
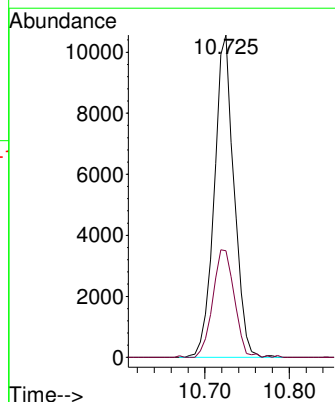
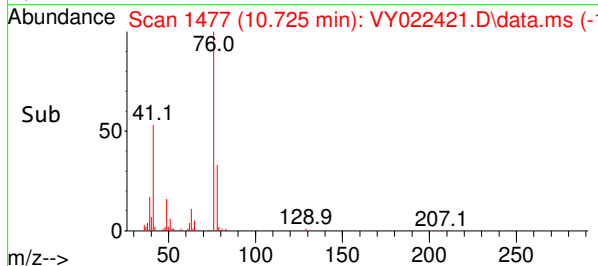
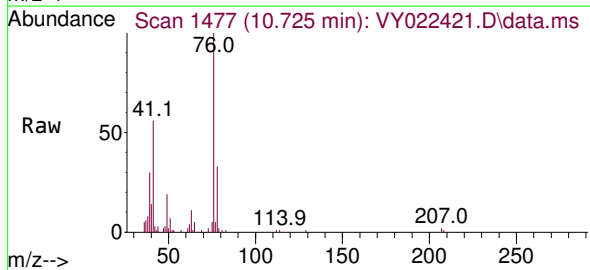
#57
1,3-Dichloropropane
Concen: 4.689 ug/l
RT: 10.725 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 1719
Ion Ratio Lower Upper
76 100
78 36.6 25.8 38.8

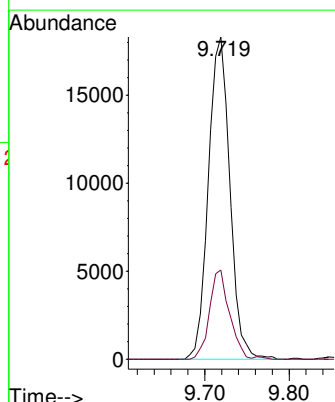
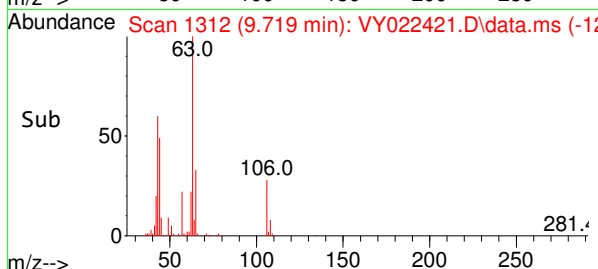
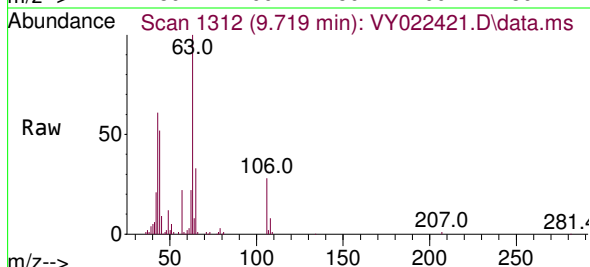
Manual Integrations
APPROVED

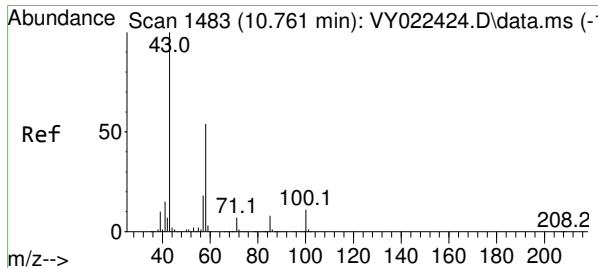
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 21.845 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 63 Resp: 32506
Ion Ratio Lower Upper
63 100
106 25.7 22.2 33.2





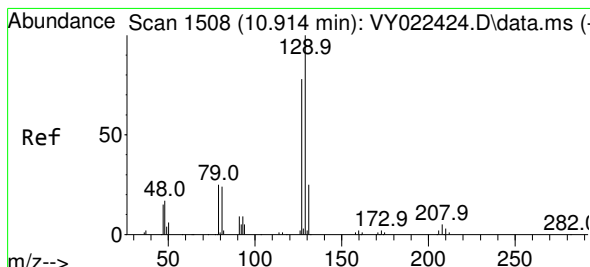
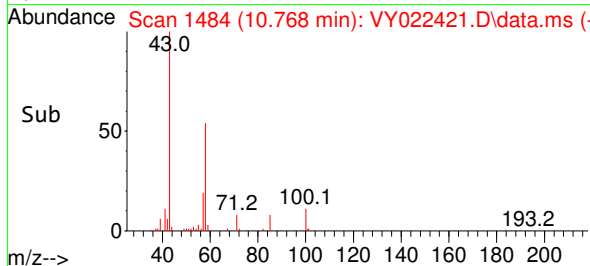
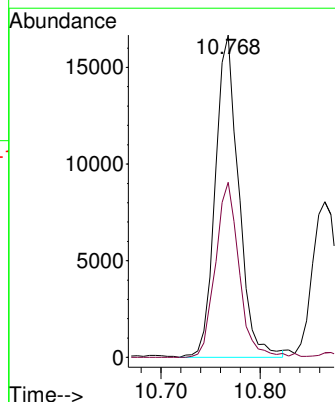
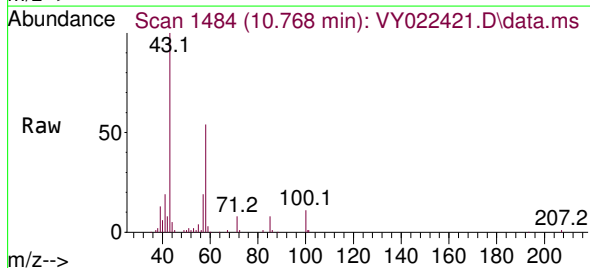
#59
2-Hexanone
Concen: 21.739 ug/l
RT: 10.768 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 2750
Ion Ratio Lower Upper
43 100
58 55.0 27.1 81.2

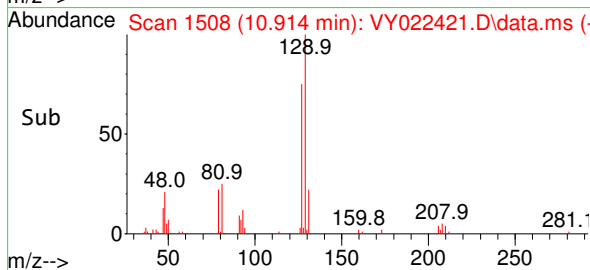
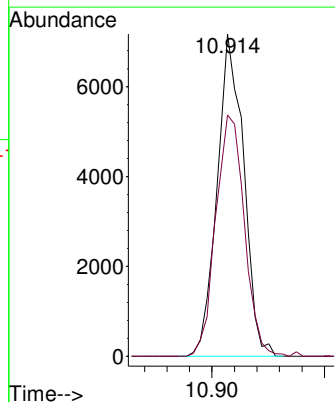
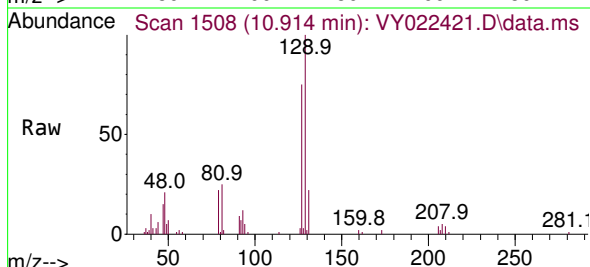
Manual Integrations
APPROVED

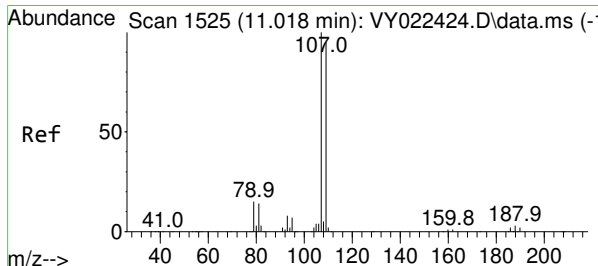
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#60
Dibromochloromethane
Concen: 4.405 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:129 Resp: 11708
Ion Ratio Lower Upper
129 100
127 81.0 38.3 114.8





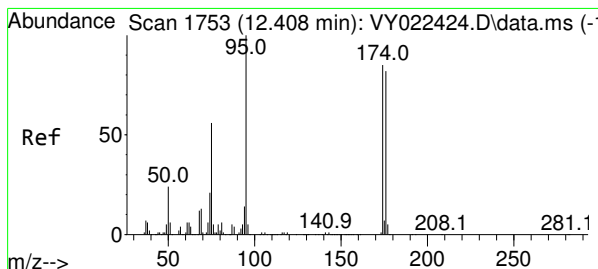
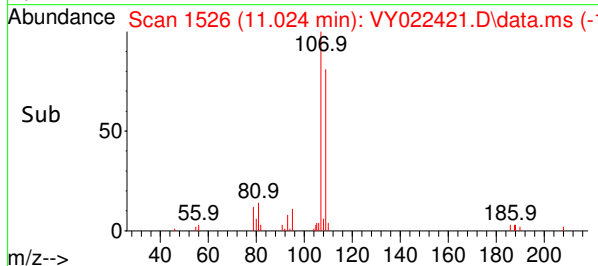
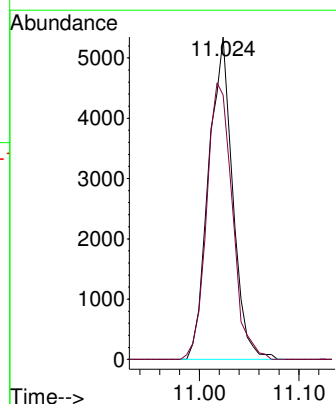
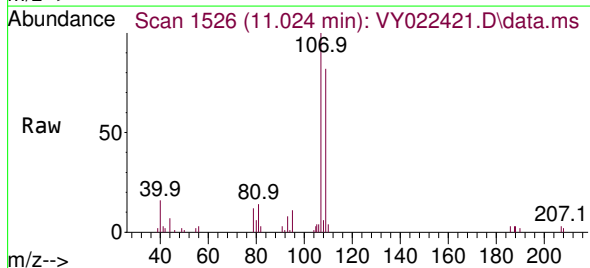
#61
1,2-Dibromoethane
Concen: 4.739 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 107 Resp: 901
Ion Ratio Lower Upper
107 100
109 91.5 74.0 111.6

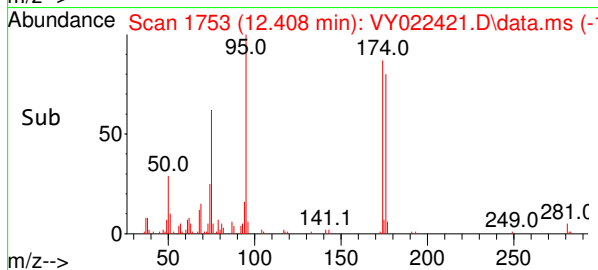
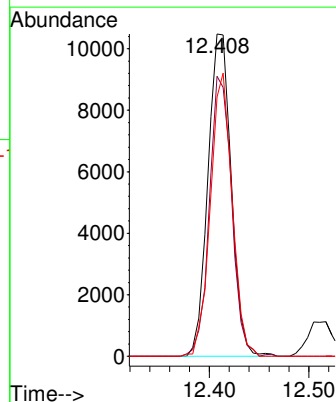
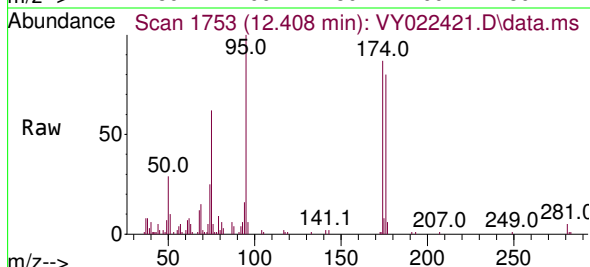
Manual Integrations
APPROVED

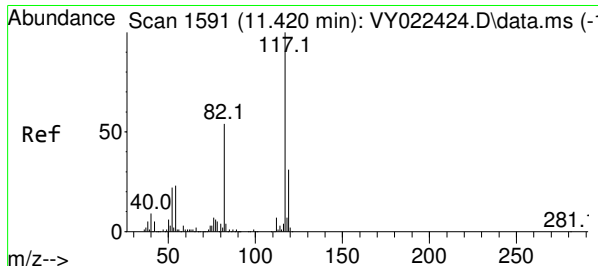
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#62
4-Bromofluorobenzene
Concen: 5.226 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 95 Resp: 17111
Ion Ratio Lower Upper
95 100
174 83.1 0.0 171.6
176 82.2 0.0 164.6





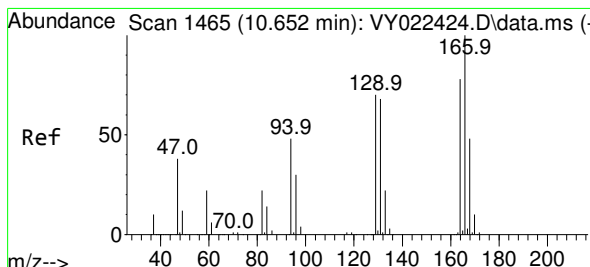
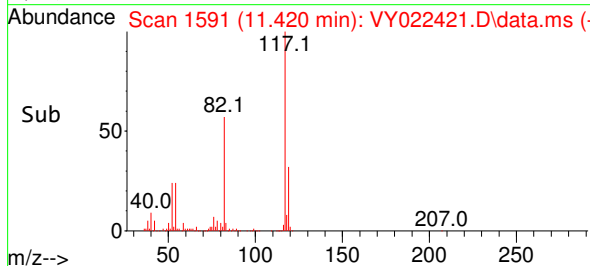
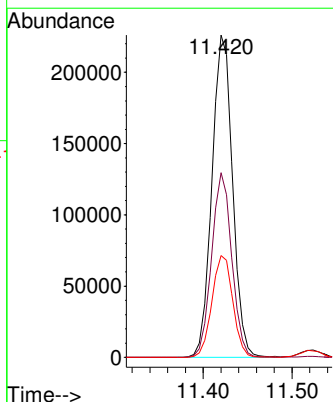
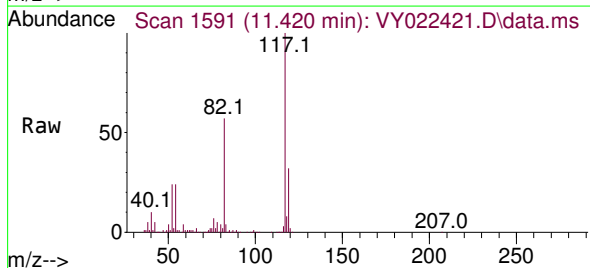
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	43.3	64.9
119	31.6	24.5	36.7

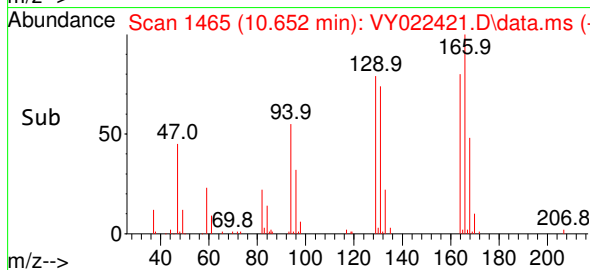
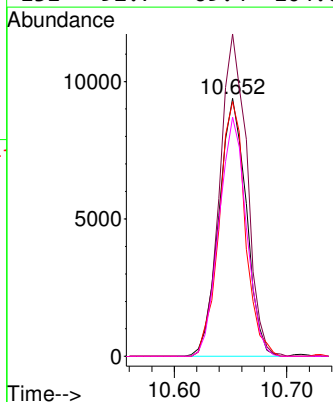
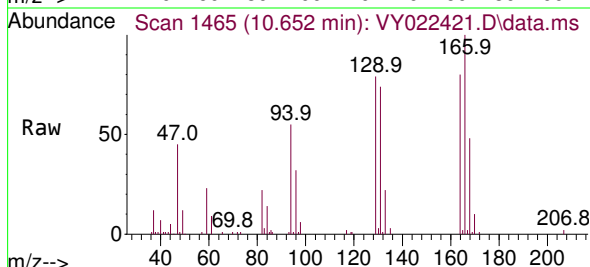
Manual Integrations
APPROVED

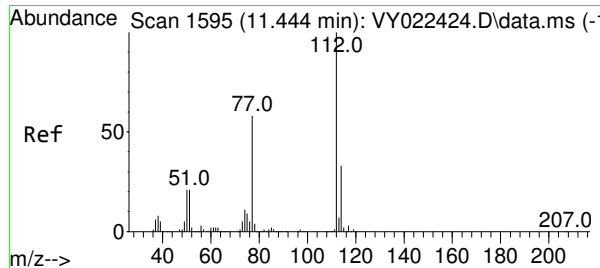
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#64
Tetrachloroethene
Concen: 5.090 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	102.0	153.0
129	98.8	71.3	106.9
131	92.7	69.4	104.0





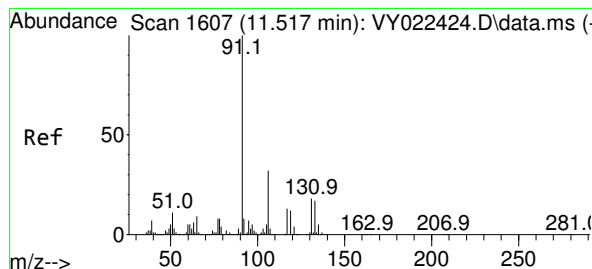
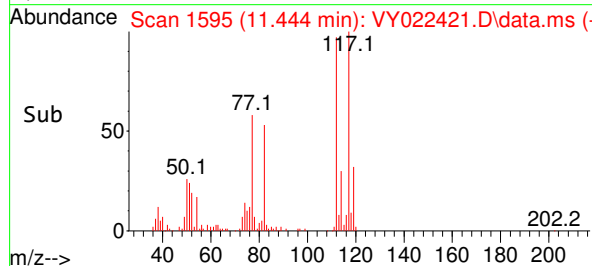
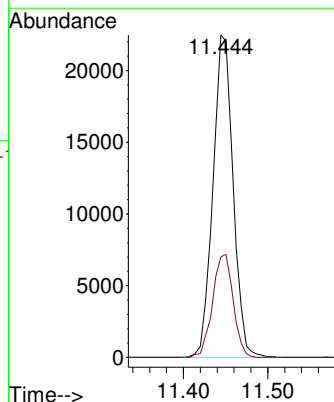
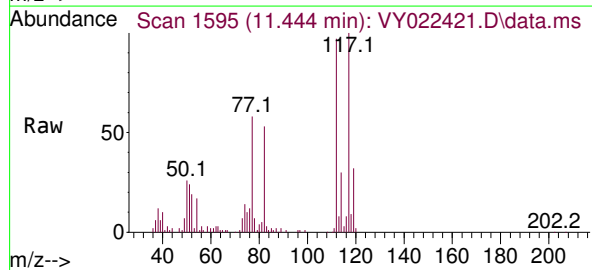
#65
Chlorobenzene
Concen: 4.785 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 3736
Ion Ratio Lower Upper
112 100
114 31.2 26.1 39.1

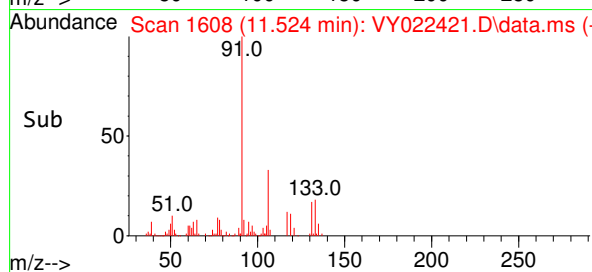
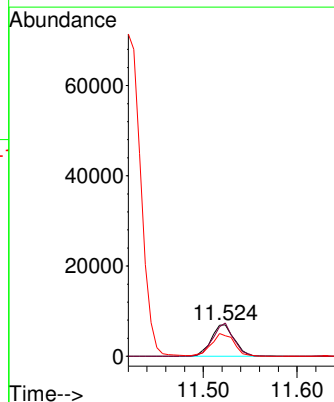
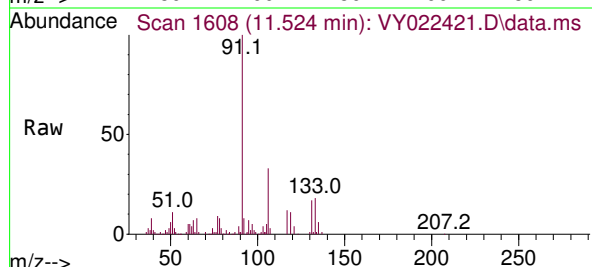
Manual Integrations
APPROVED

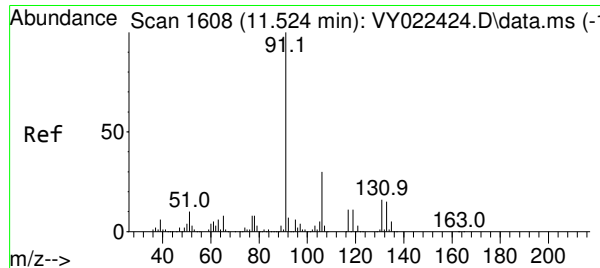
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 4.508 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:131 Resp: 11929
Ion Ratio Lower Upper
131 100
133 96.1 46.6 139.8
119 72.1 33.3 99.8





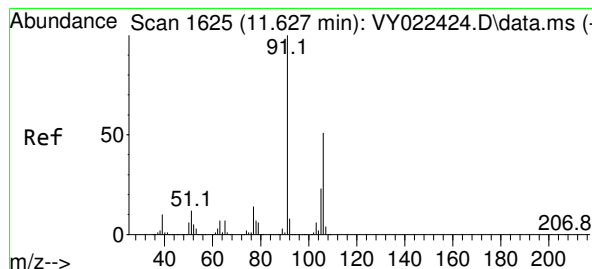
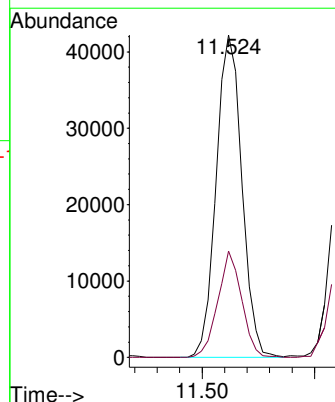
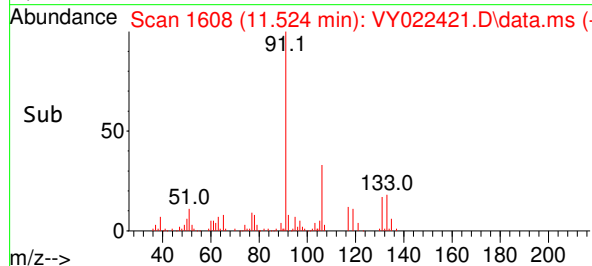
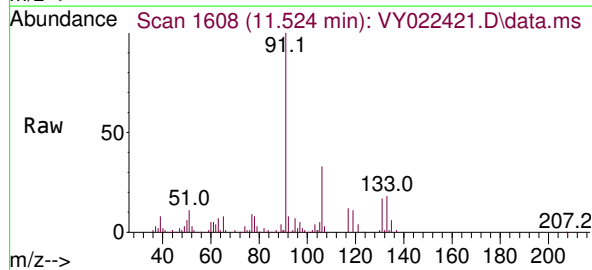
#67
Ethyl Benzene
Concen: 4.603 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 6675
Ion Ratio Lower Upper
91 100
106 32.9 24.4 36.6

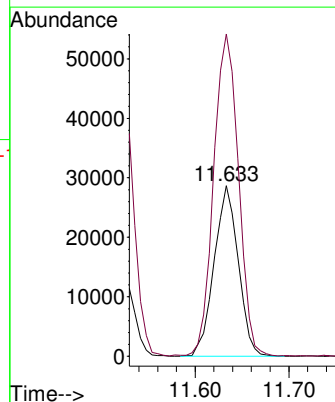
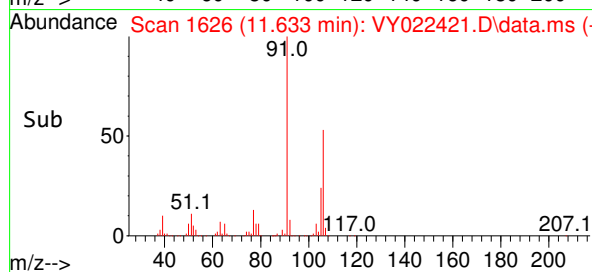
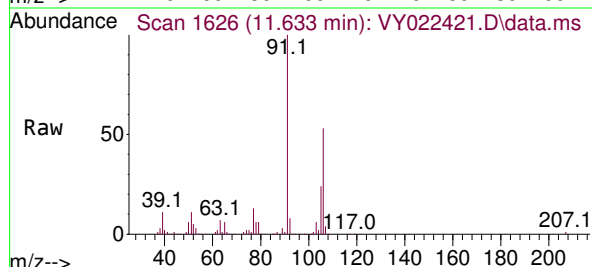
Manual Integrations
APPROVED

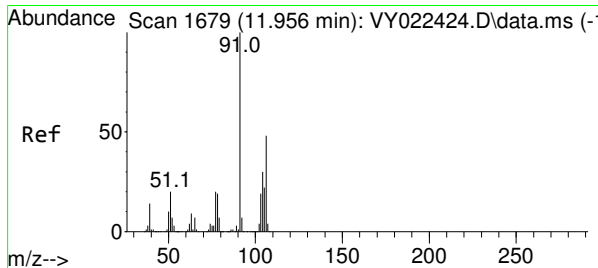
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#68
m/p-Xylenes
Concen: 9.296 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:106 Resp: 51109
Ion Ratio Lower Upper
106 100
91 194.5 159.8 239.8





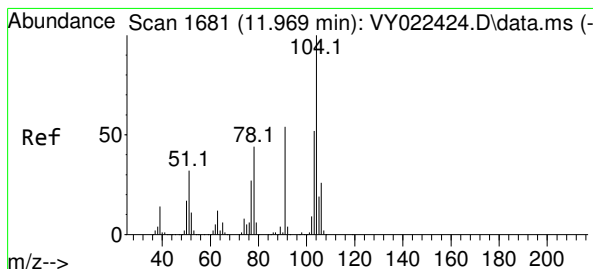
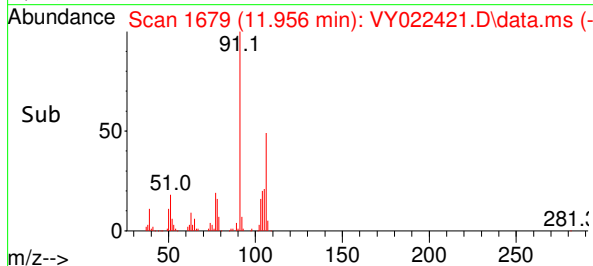
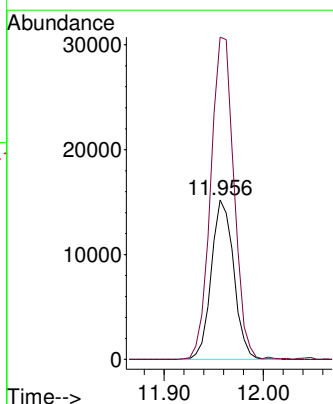
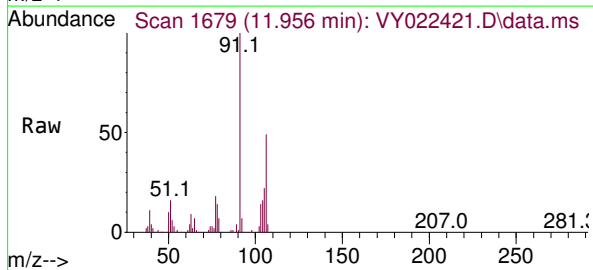
#69
o-Xylene
Concen: 4.633 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 2394
Ion Ratio Lower Upper
106 100
91 209.5 106.3 318.9

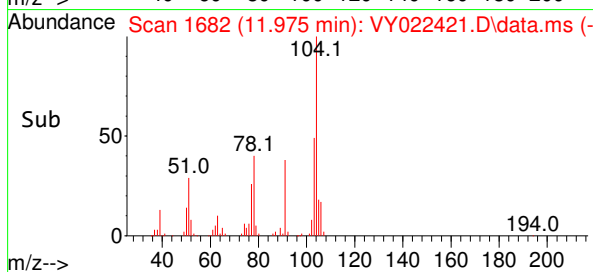
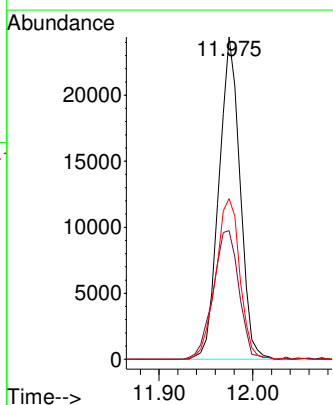
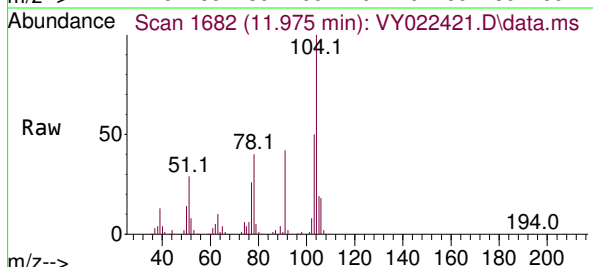
Manual Integrations
APPROVED

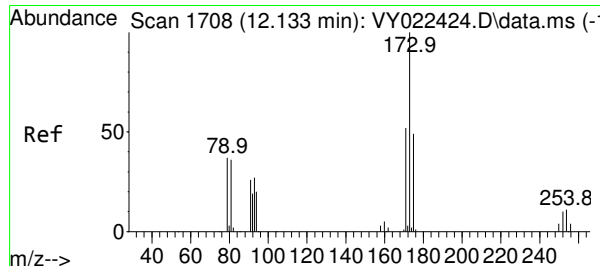
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#70
Styrene
Concen: 4.414 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:104 Resp: 37982
Ion Ratio Lower Upper
104 100
78 48.9 38.8 58.2
103 57.0 43.4 65.2





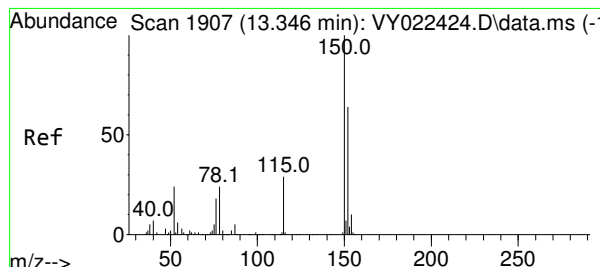
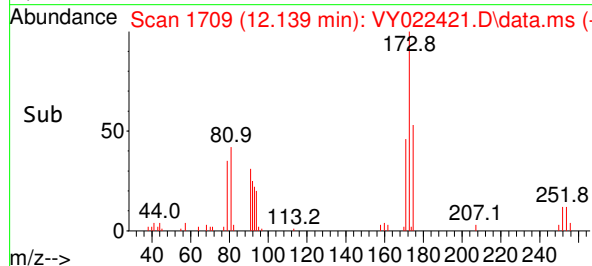
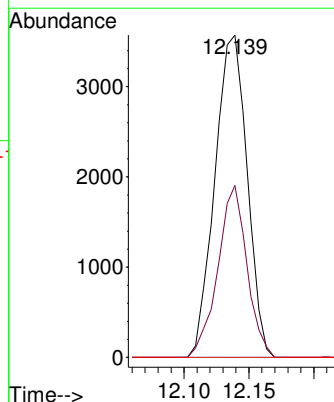
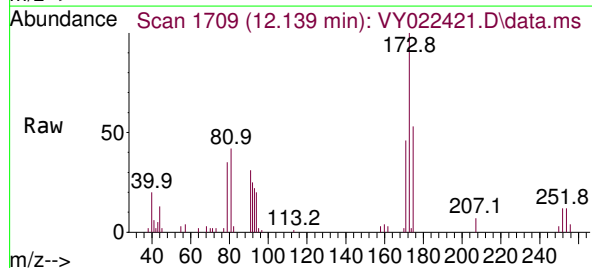
#71
Bromoform
Concen: 4.459 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	173	Resp	618
Ion Ratio	100		
173	100		
175	48.2	24.3	73.0
254	0.0	0.1	0.1

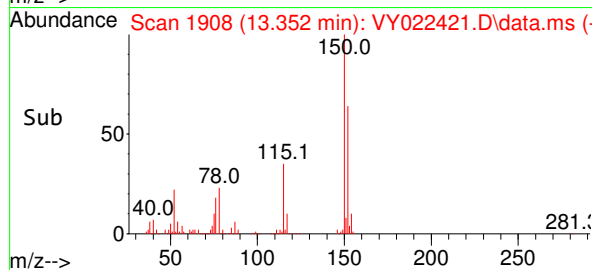
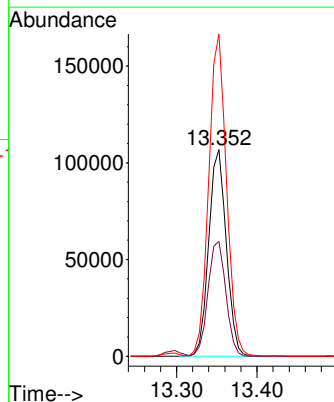
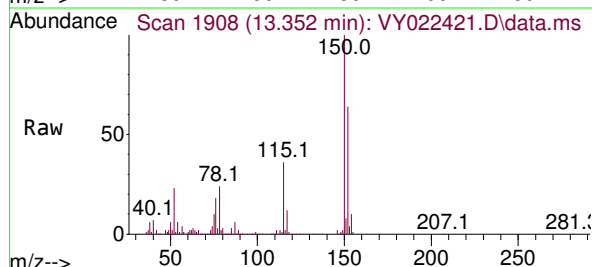
Manual Integrations
APPROVED

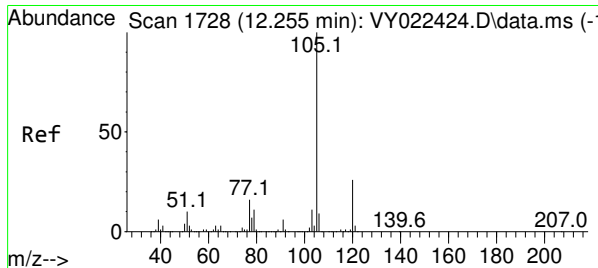
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	152	Resp	162324
Ion Ratio <td>100</td> <td></td> <td></td>	100		
152	100		
115	56.6	28.4	85.3
150	157.7	0.0	345.8





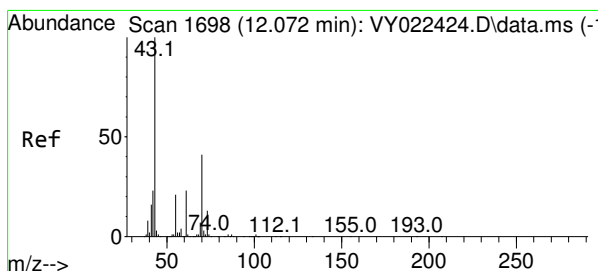
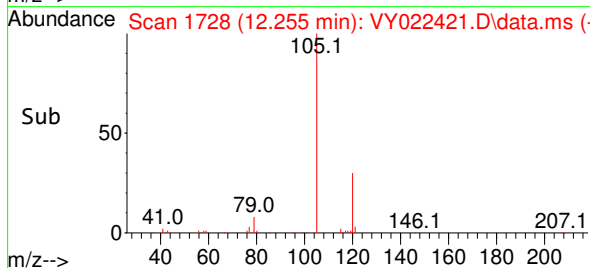
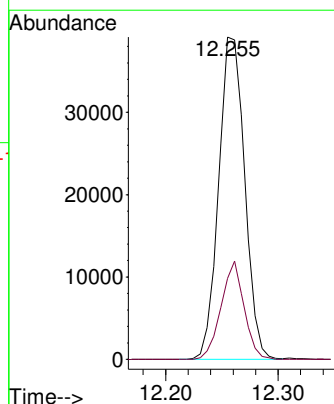
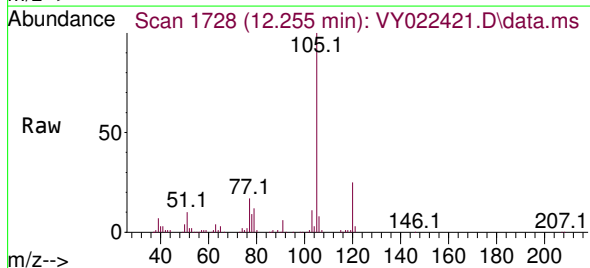
#73
Isopropylbenzene
Concen: 4.908 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 105 Resp: 6276
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.5

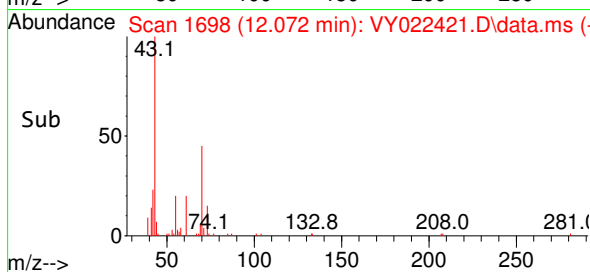
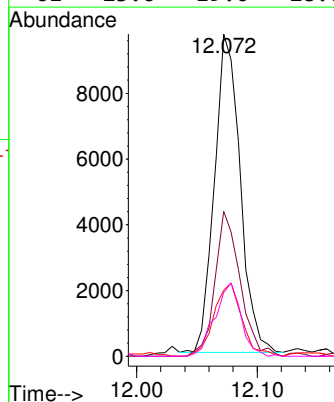
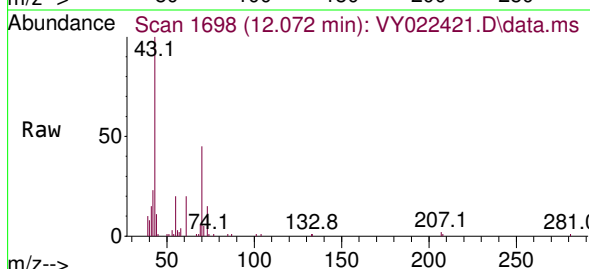
Manual Integrations
APPROVED

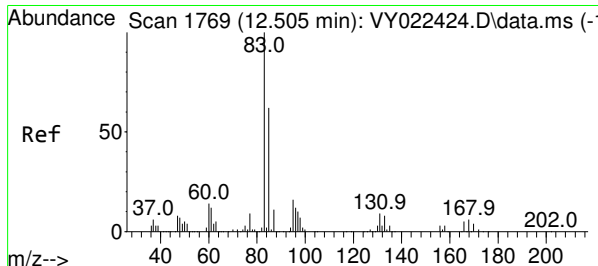
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#74
N-ethyl acetate
Concen: 4.584 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 43 Resp: 14329
Ion Ratio Lower Upper
43 100
70 44.4 33.0 49.4
55 25.0 17.5 26.3
61 23.6 19.0 28.6





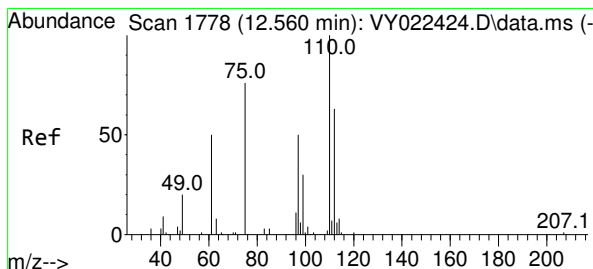
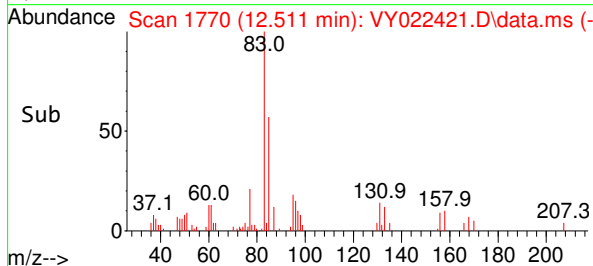
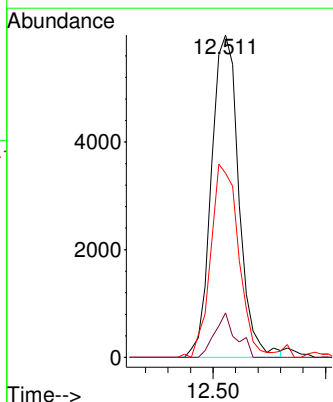
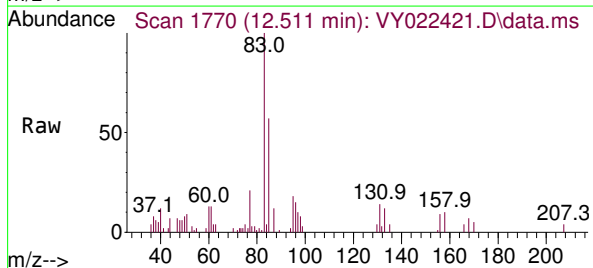
#75
1,1,2,2-Tetrachloroethane
Concen: 5.021 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.8	14.4
85	60.9	32.0	96.2

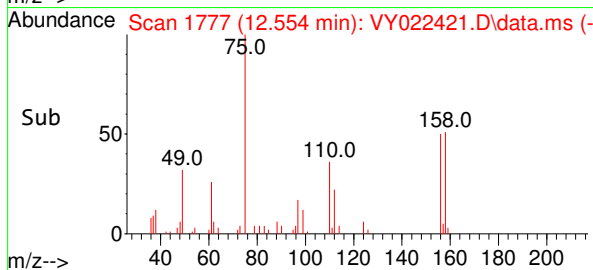
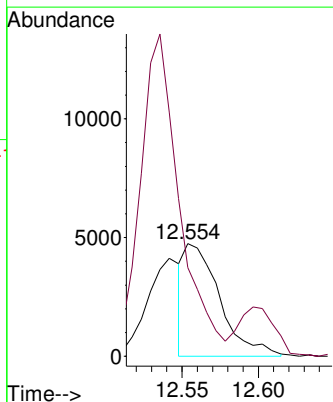
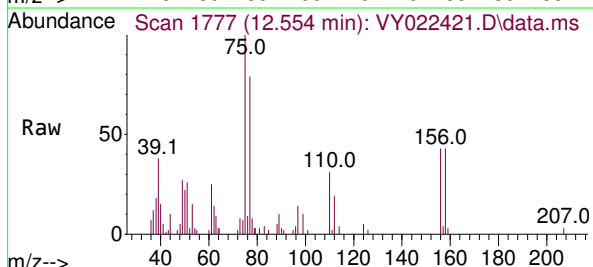
Manual Integrations
APPROVED

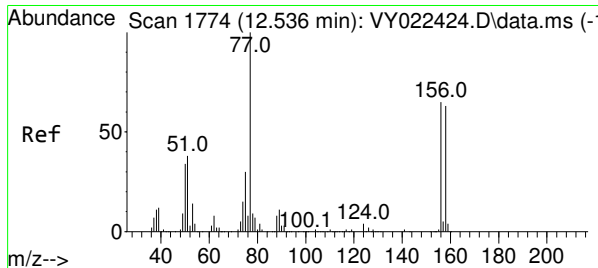
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#76
1,2,3-Trichloropropane
Concen: 2.848 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	319.1	0.0	0.0#





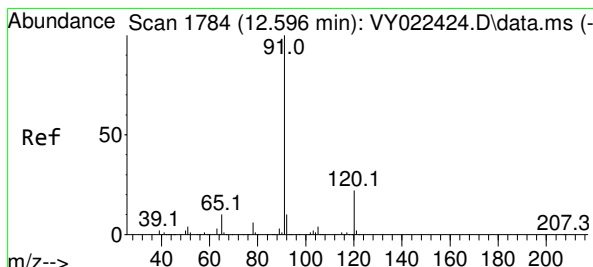
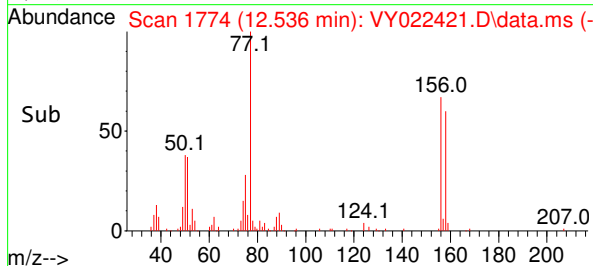
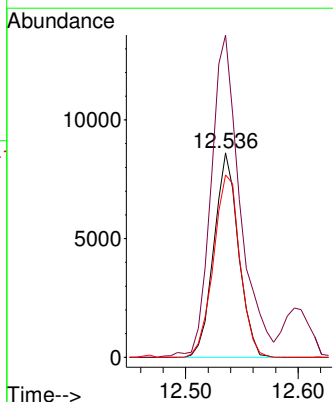
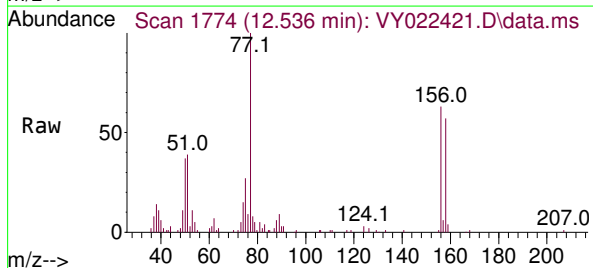
#77
Bromobenzene
Concen: 4.747 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
156	100		
77	186.2	91.4	274.2
158	96.2	48.1	144.3

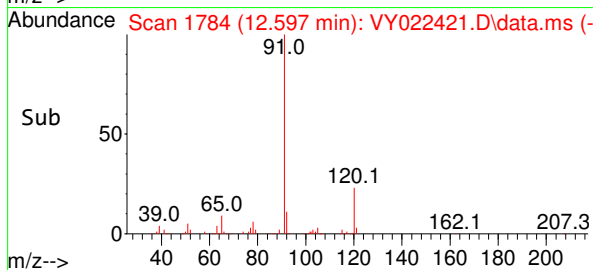
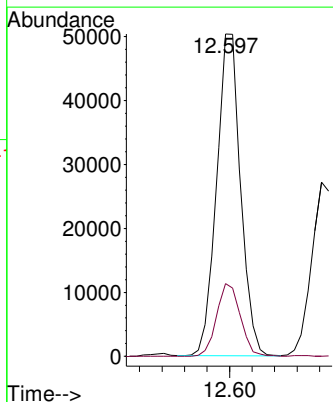
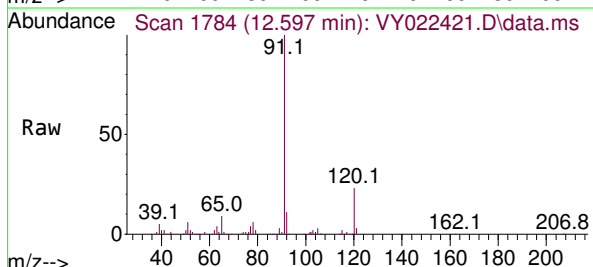
Manual Integrations
APPROVED

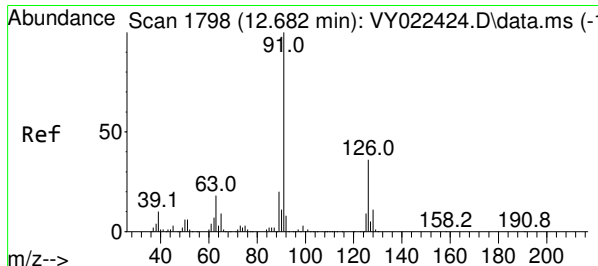
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#78
n-propylbenzene
Concen: 4.856 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





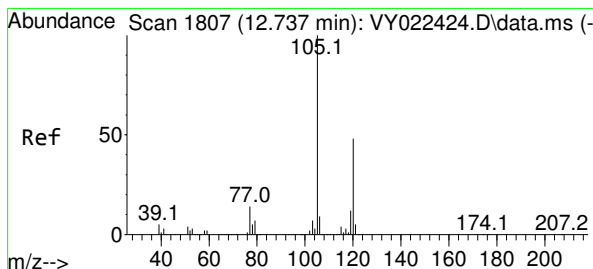
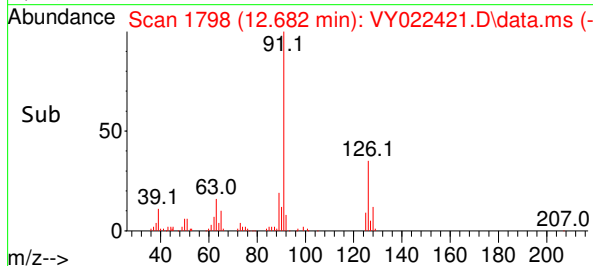
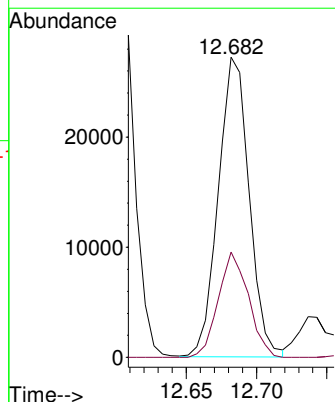
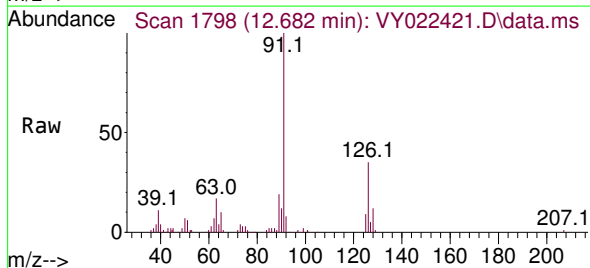
#79
2-Chlorotoluene
Concen: 5.002 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 4151
Ion Ratio Lower Upper
91 100
126 34.2 17.4 52.3

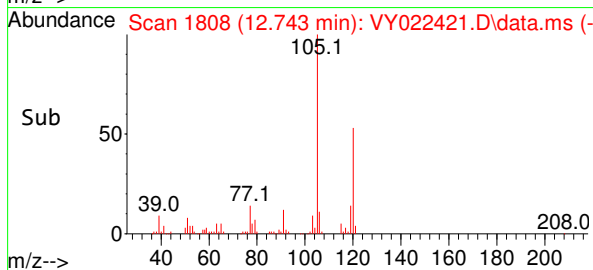
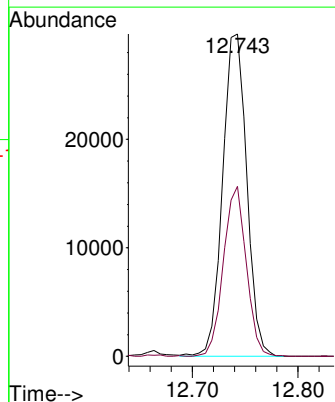
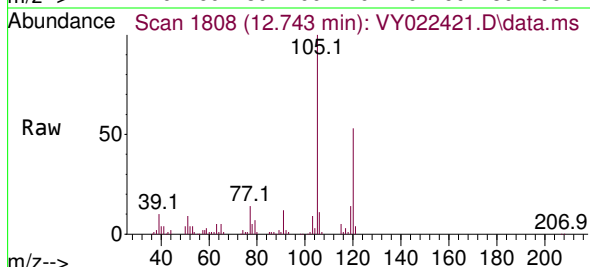
Manual Integrations
APPROVED

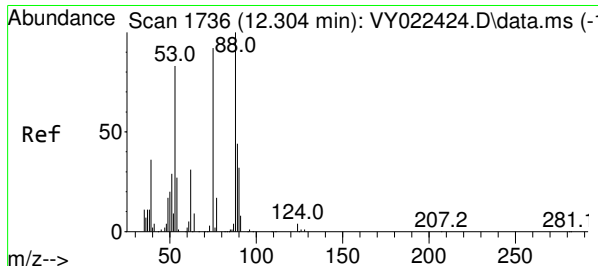
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 4.743 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:105 Resp: 47346
Ion Ratio Lower Upper
105 100
120 50.0 24.3 73.0





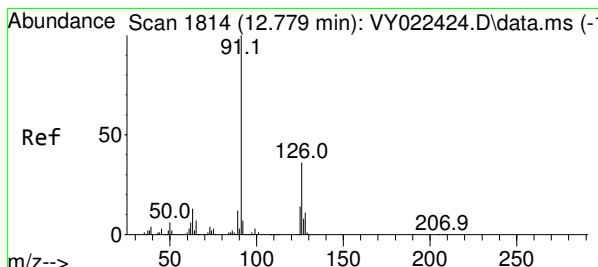
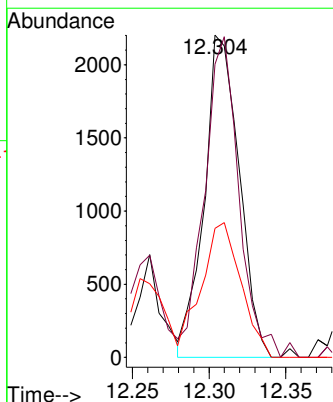
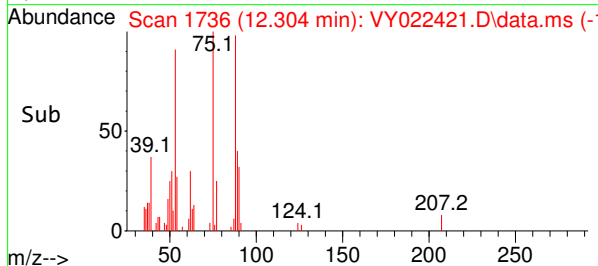
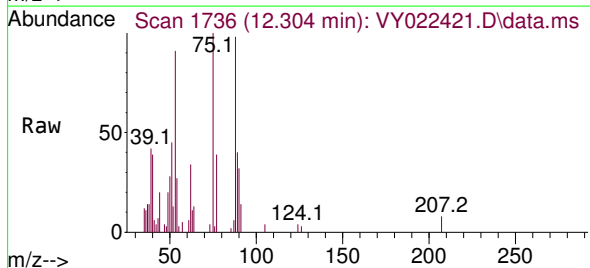
#81
trans-1,4-Dichloro-2-butene
Concen: 4.857 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 349
Ion Ratio Lower Upper
75 100
53 98.1 75.1 112.7
89 47.7 37.4 56.6

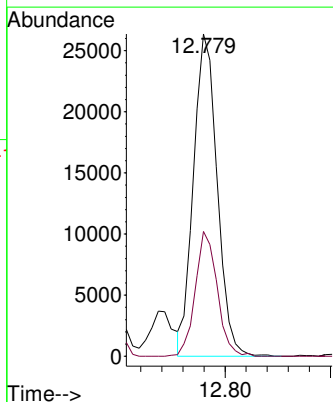
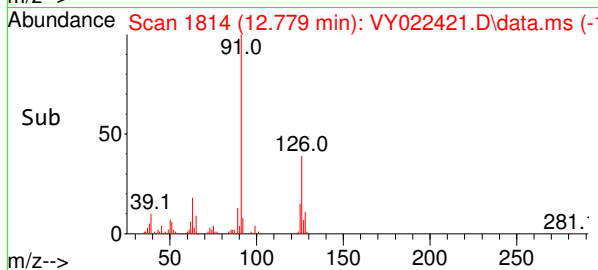
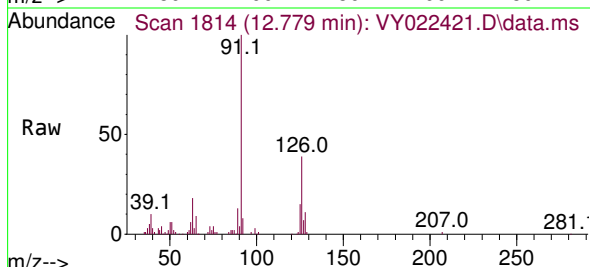
Manual Integrations
APPROVED

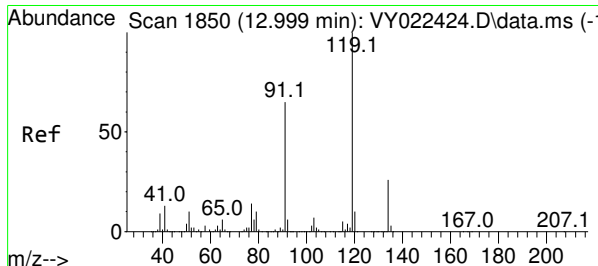
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#82
4-Chlorotoluene
Concen: 4.801 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 91 Resp: 41039
Ion Ratio Lower Upper
91 100
126 36.0 17.2 51.6





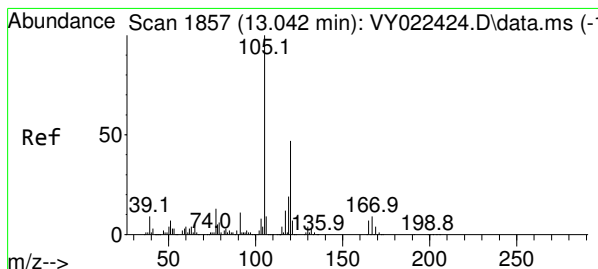
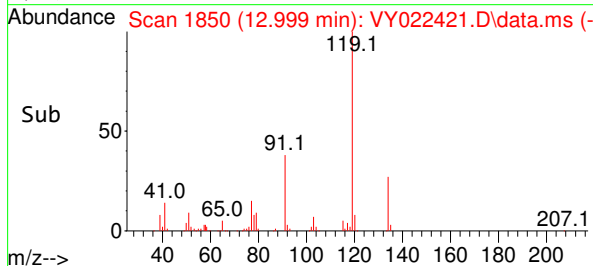
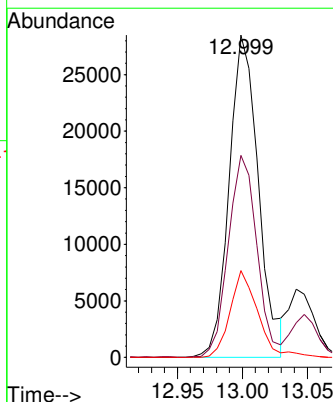
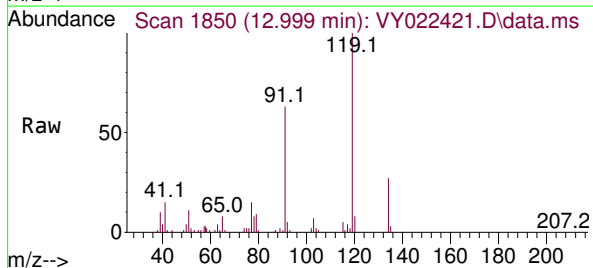
#83
tert-Butylbenzene
Concen: 4.951 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 4465
Ion Ratio Lower Upper
119 100
91 61.4 31.8 95.3
134 25.6 13.0 38.9

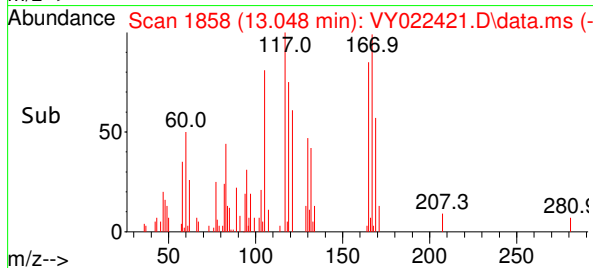
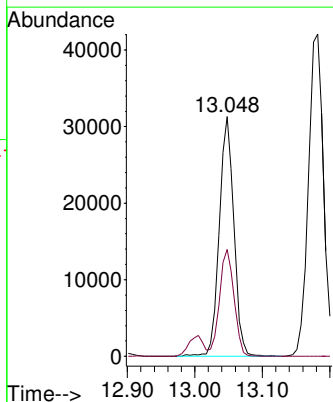
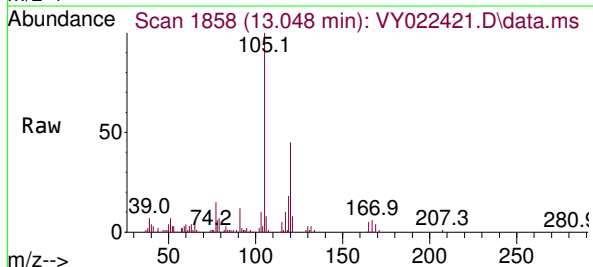
Manual Integrations
APPROVED

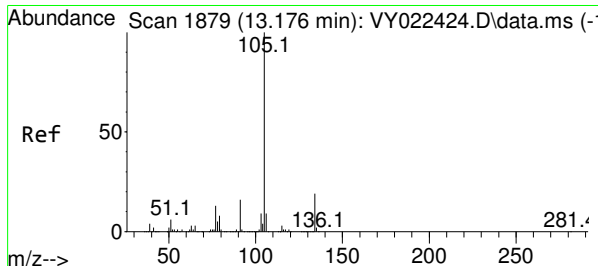
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 4.699 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:105 Resp: 47206
Ion Ratio Lower Upper
105 100
120 44.5 22.9 68.5





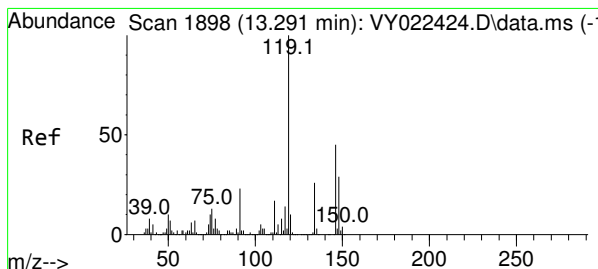
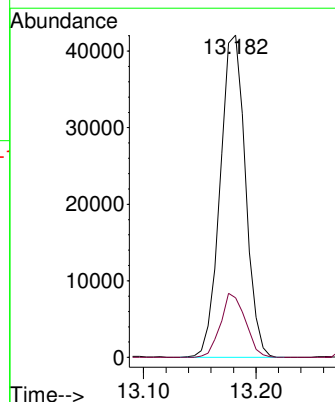
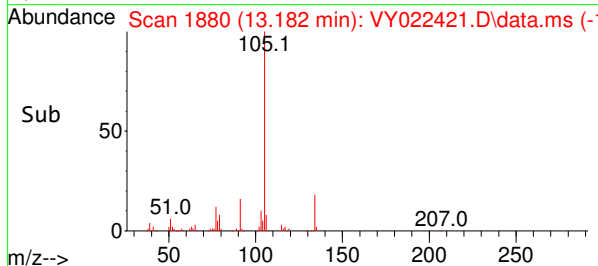
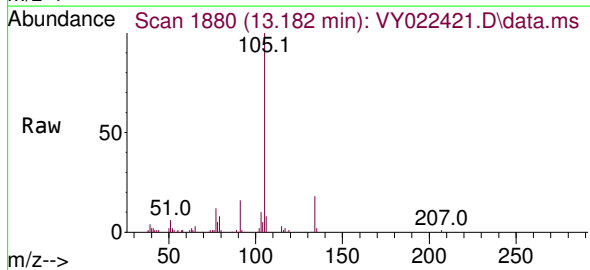
#85
 sec-Butylbenzene
 Concen: 4.897 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY022421.D
 Acq: 27 May 2025 08:50

Instrument : MSVOA_Y
 ClientSampleId : VSTDIC005

Tgt Ion:105 Resp: 6549
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1

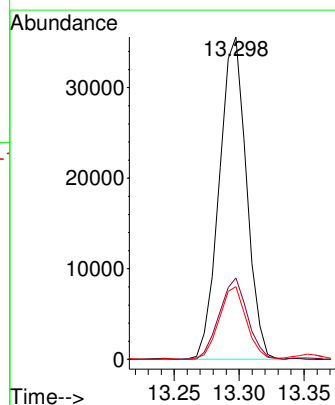
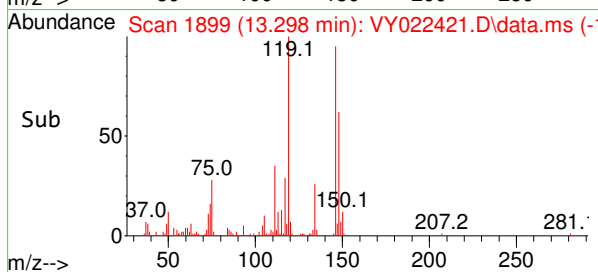
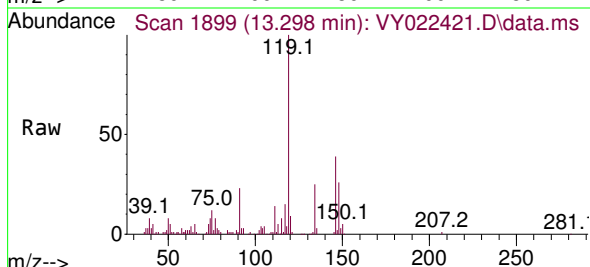
Manual Integrations
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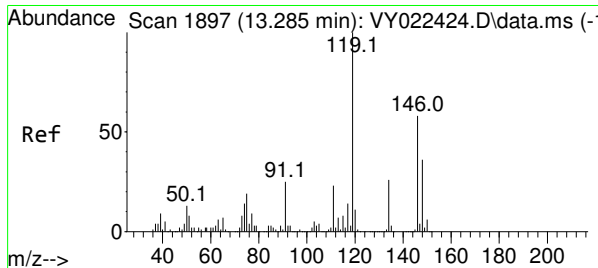
Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025



#86
 p-Isopropyltoluene
 Concen: 4.643 ug/l
 RT: 13.298 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VY022421.D
 Acq: 27 May 2025 08:50

Tgt Ion:119 Resp: 51853
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 22.6 11.6 34.8





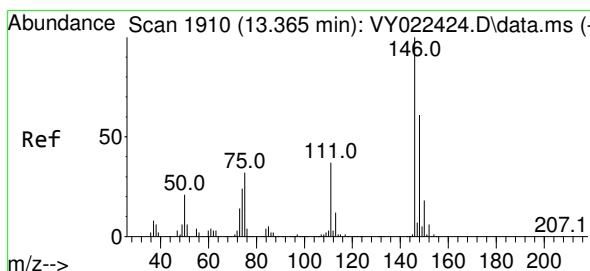
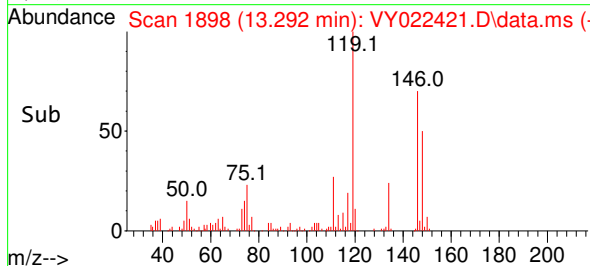
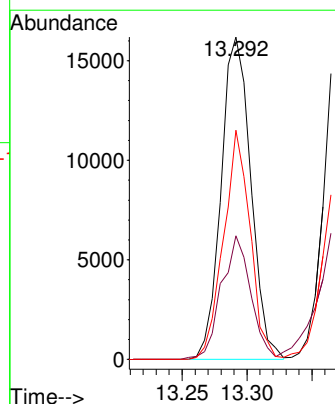
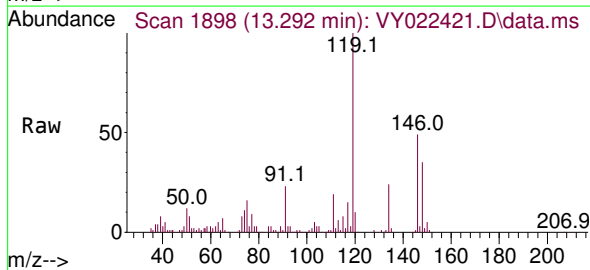
#87
1,3-Dichlorobenzene
Concen: 4.657 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 2576
Ion Ratio Lower Upper
146 100
111 37.8 19.6 58.8
148 63.7 31.7 95.1

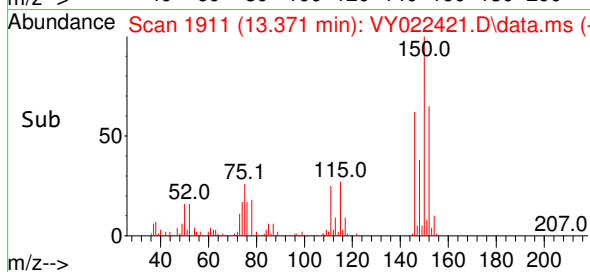
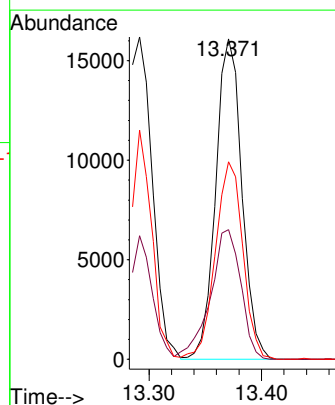
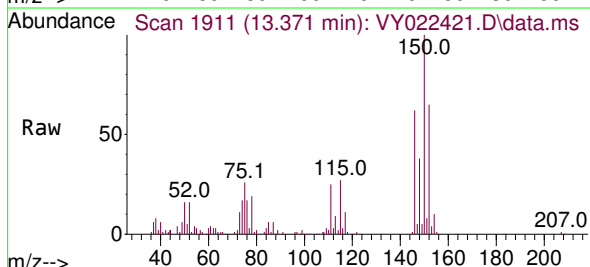
Manual Integrations
APPROVED

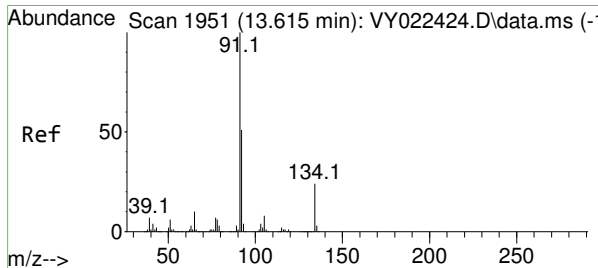
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#88
1,4-Dichlorobenzene
Concen: 4.899 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:146 Resp: 25910
Ion Ratio Lower Upper
146 100
111 47.4 18.7 56.1
148 64.9 31.4 94.3





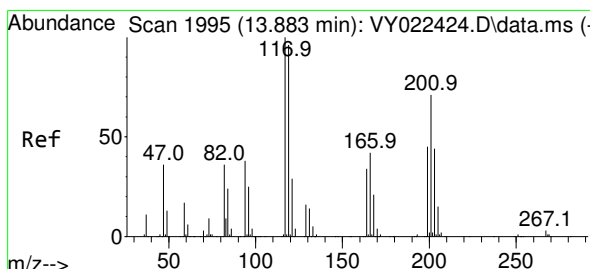
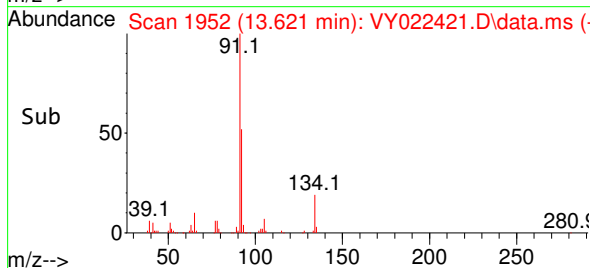
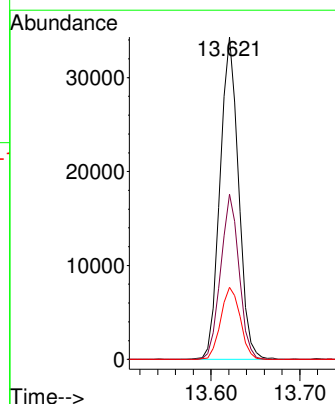
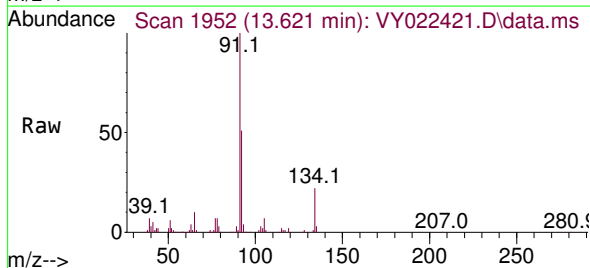
#89
n-Butylbenzene
Concen: 4.792 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.9	77.6
134	23.5	12.4	37.6

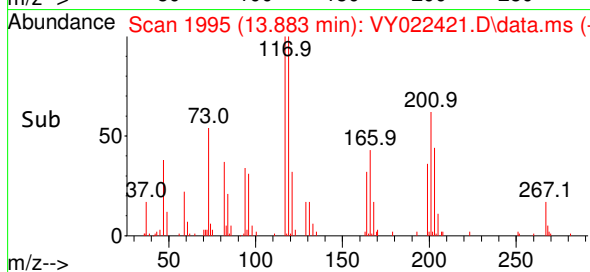
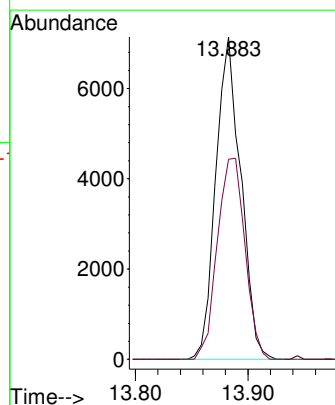
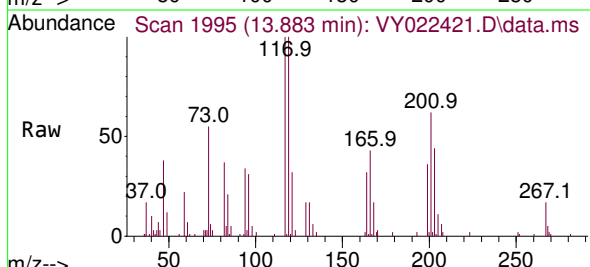
Manual Integrations
APPROVED

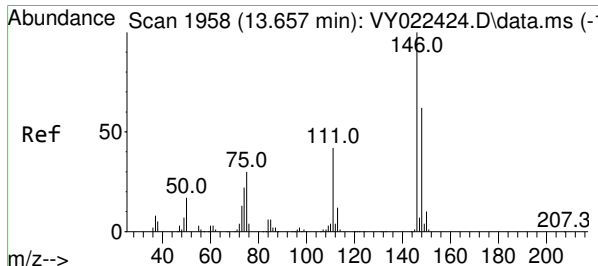
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#90
Hexachloroethane
Concen: 4.958 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.9	35.0	105.0





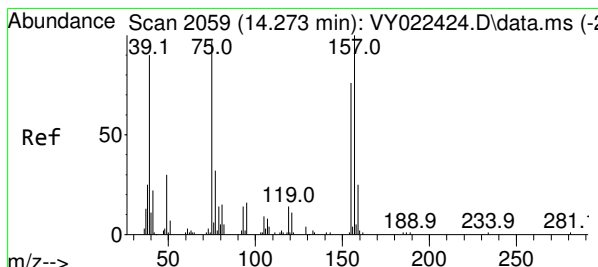
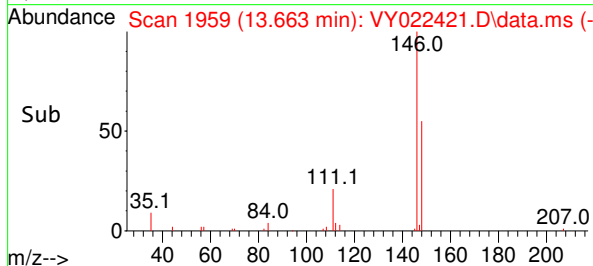
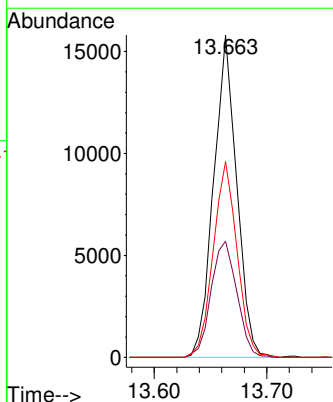
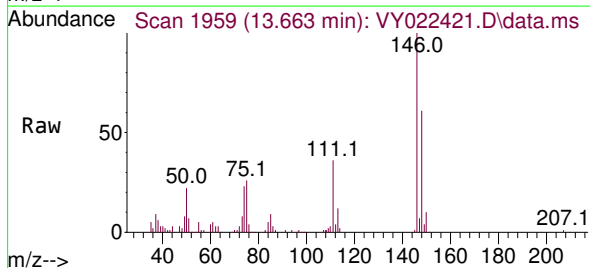
#91
1,2-Dichlorobenzene
Concen: 4.860 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 146 Resp: 2245
Ion Ratio Lower Upper
146 100
111 40.4 20.5 61.6
148 63.1 31.9 95.9

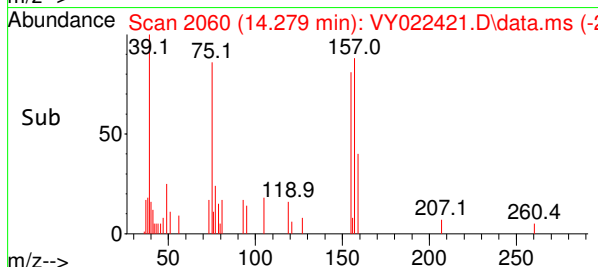
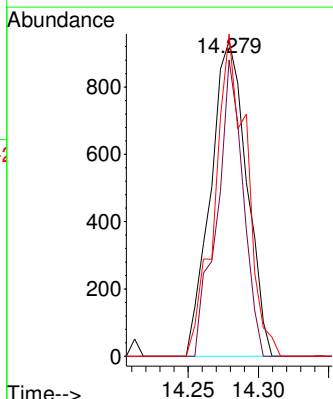
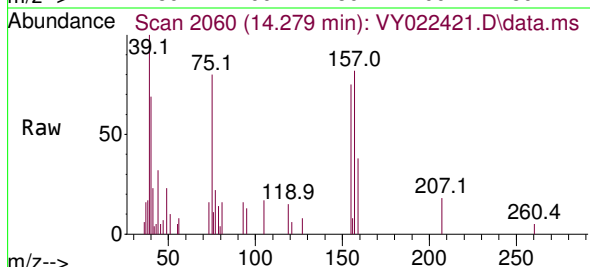
Manual Integrations
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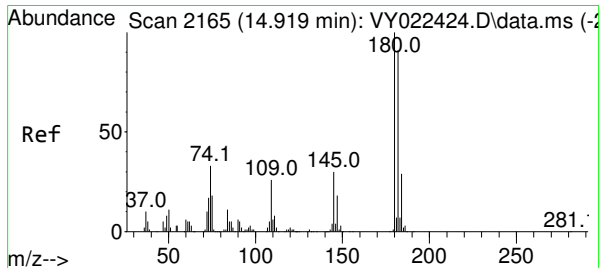
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.360 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 75 Resp: 1667
Ion Ratio Lower Upper
75 100
155 68.2 42.3 126.8
157 90.4 54.4 163.3





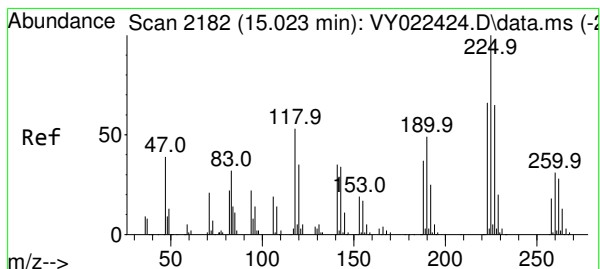
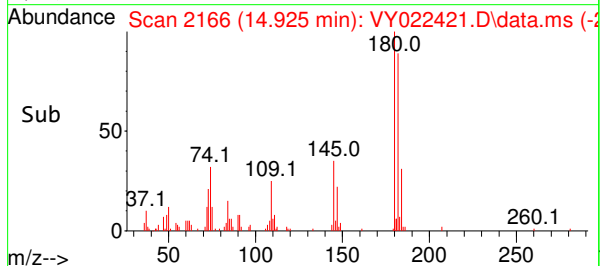
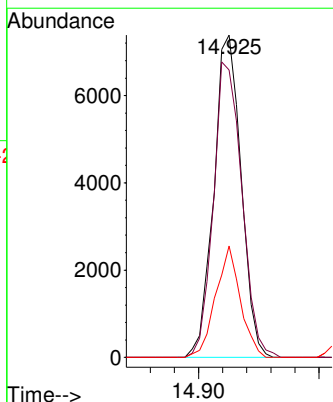
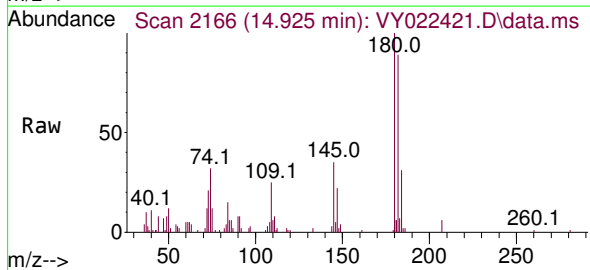
#93
1,2,4-Trichlorobenzene
Concen: 4.525 ug/l
RT: 14.925 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 1159
Ion Ratio Lower Upper
180 100
182 95.5 46.2 138.6
145 31.3 14.2 42.8

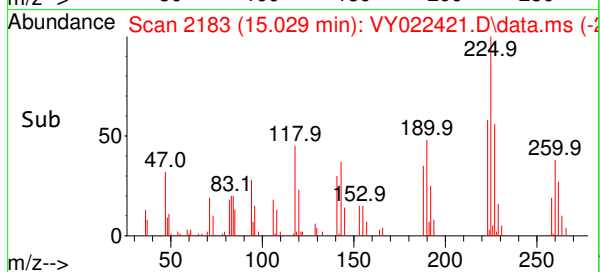
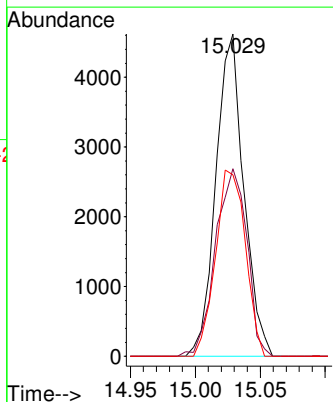
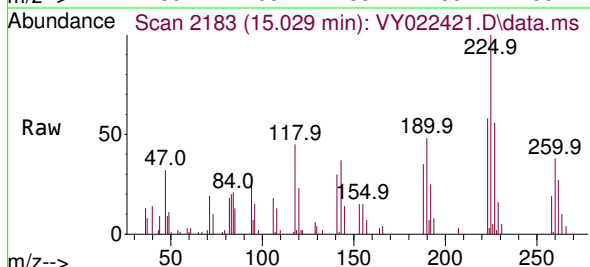
Manual Integrations
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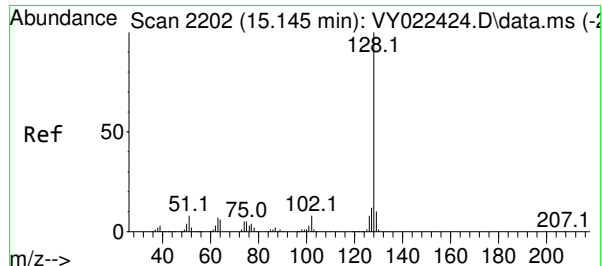
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#94
Hexachlorobutadiene
Concen: 5.128 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:225 Resp: 6893
Ion Ratio Lower Upper
225 100
223 65.4 32.6 97.7
227 61.8 33.0 99.0





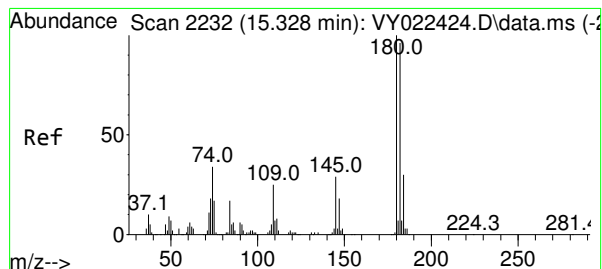
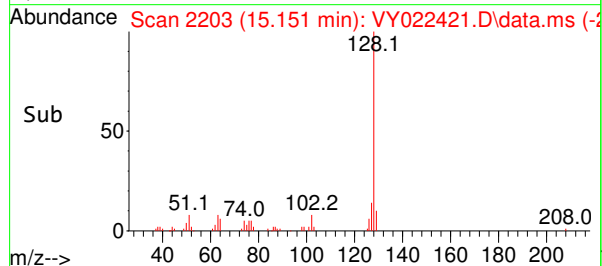
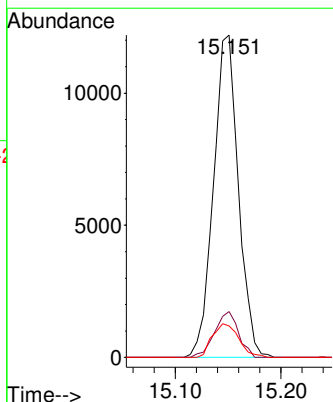
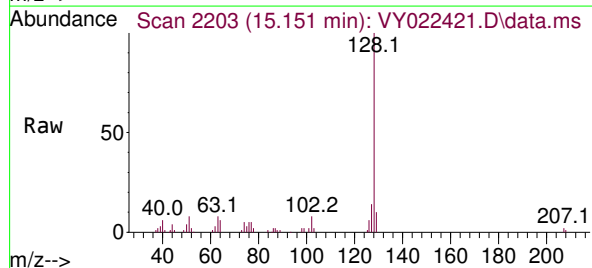
#95
Naphthalene
Concen: 4.237 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	11.2	8.5	12.7

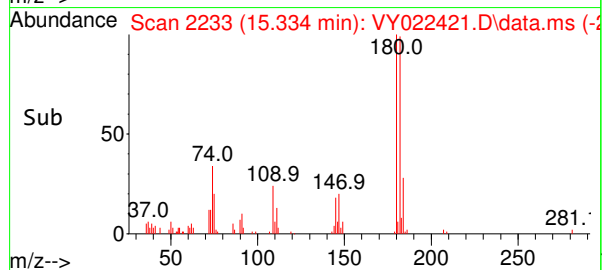
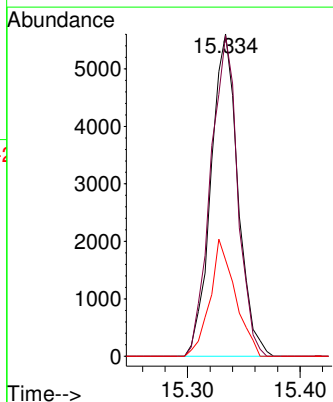
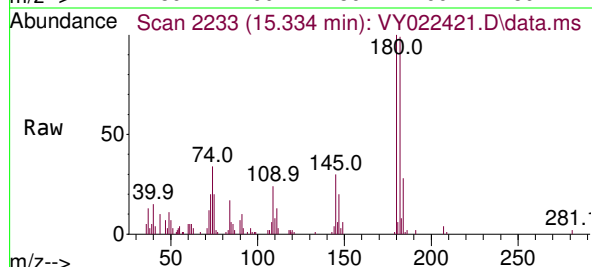
Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.445 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.4	48.1	144.3
145	33.9	14.9	44.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022422.D
 Acq On : 27 May 2025 09:14
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:43:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	256391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	436685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	362684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	26927	9.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	19.940%#
35) Dibromofluoromethane	7.640	113	24509	9.584	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	19.160%#
50) Toluene-d8	10.109	98	98965	9.493	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	18.980%#
62) 4-Bromofluorobenzene	12.408	95	28894	9.163	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	18.320%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	26076	10.660	ug/l	95
3) Chloromethane	2.068	50	68253	11.343	ug/l	98
4) Vinyl Chloride	2.208	62	76561	10.474	ug/l	96
5) Bromomethane	2.598	94	65697	9.890	ug/l	97
6) Chloroethane	2.745	64	45164	9.455	ug/l	98
7) Trichlorofluoromethane	3.056	101	60209	9.763	ug/l	100
8) Diethyl Ether	3.464	74	14042	9.875	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.824	101	26527	9.804	ug/l	99
10) Methyl Iodide	4.013	142	26870	8.803	ug/l	97
11) Tert butyl alcohol	4.897	59	9619	50.530	ug/l	97
12) 1,1-Dichloroethene	3.793	96	26273	9.781	ug/l	90
13) Acrolein	3.665	56	13770	48.278	ug/l	97
14) Allyl chloride	4.385	41	38553	9.541	ug/l	94
15) Acrylonitrile	5.068	53	28120	49.059	ug/l	98
16) Acetone	3.873	43	23174	52.221	ug/l	95
17) Carbon Disulfide	4.116	76	85913	10.022	ug/l	100
18) Methyl Acetate	4.397	43	16359	9.841	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	69672	9.769	ug/l	98
20) Methylene Chloride	4.622	84	34301	10.946	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	28516	9.724	ug/l	94
22) Diisopropyl ether	6.025	45	87002	9.756	ug/l	97
23) Vinyl Acetate	5.970	43	244848	47.816	ug/l	98
24) 1,1-Dichloroethane	5.915	63	50541	9.591	ug/l	97
25) 2-Butanone	6.903	43	36872	49.890	ug/l	96
26) 2,2-Dichloropropane	6.896	77	46164	9.675	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	33197	9.778	ug/l	99
28) Bromochloromethane	7.250	49	21845	9.927	ug/l	98
29) Tetrahydrofuran	7.268	42	24020	48.732	ug/l	97
30) Chloroform	7.427	83	49760	9.583	ug/l	94
31) Cyclohexane	7.707	56	53552	10.309	ug/l #	94
32) 1,1,1-Trichloroethane	7.622	97	45829	9.725	ug/l	98
36) 1,1-Dichloropropene	7.841	75	38161	9.404	ug/l	98
37) Ethyl Acetate	6.994	43	16222	9.406	ug/l	97
38) Carbon Tetrachloride	7.829	117	39797	9.414	ug/l	92
39) Methylcyclohexane	9.109	83	52603	9.751	ug/l	98
40) Benzene	8.085	78	114576	9.489	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022422.D
 Acq On : 27 May 2025 09:14
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:43:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	9438m	4.158	ug/l	
42) 1,2-Dichloroethane	8.165	62	30350	9.517	ug/l	99
43) Isopropyl Acetate	8.207	43	36584	9.707	ug/l	98
44) Trichloroethene	8.872	130	28407	9.516	ug/l	95
45) 1,2-Dichloropropane	9.146	63	26802	9.447	ug/l	98
46) Dibromomethane	9.238	93	14820	9.351	ug/l	98
47) Bromodichloromethane	9.427	83	39207	9.620	ug/l	97
48) Methyl methacrylate	9.225	41	16163	9.239	ug/l	95
49) 1,4-Dioxane	9.238	88	3170	181.086	ug/l	96
51) 4-Methyl-2-Pentanone	10.006	43	86201	46.358	ug/l	98
52) Toluene	10.176	92	70294	9.320	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	36171	9.528	ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	41945	9.403	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	18882	9.423	ug/l	98
56) Ethyl methacrylate	10.445	69	26658	9.270	ug/l	99
57) 1,3-Dichloropropane	10.719	76	33854	9.587	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	66205	46.196	ug/l	100
59) 2-Hexanone	10.762	43	54792	44.963	ug/l	99
60) Dibromochloromethane	10.914	129	23908	9.340	ug/l	99
61) 1,2-Dibromoethane	11.018	107	16524	9.016	ug/l	91
64) Tetrachloroethene	10.652	164	30237	9.789	ug/l	95
65) Chlorobenzene	11.444	112	72507	9.376	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	23791	9.080	ug/l	95
67) Ethyl Benzene	11.524	91	132623	9.236	ug/l	99
68) m/p-Xylenes	11.633	106	95743	17.586	ug/l	95
69) o-Xylene	11.957	106	46196	9.028	ug/l	98
70) Styrene	11.975	104	73993	8.685	ug/l	97
71) Bromoform	12.133	173	12746	9.287	ug/l #	99
73) Isopropylbenzene	12.255	105	121960	9.507	ug/l	99
74) N-amyl acetate	12.072	43	28607	9.114	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	18720	9.262	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	17196m	6.404	ug/l	
77) Bromobenzene	12.536	156	26457	9.584	ug/l	99
78) n-propylbenzene	12.597	91	145616	9.459	ug/l	100
79) 2-Chlorotoluene	12.682	91	79070	9.488	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	93557	9.334	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	6931	9.601	ug/l	97
82) 4-Chlorotoluene	12.780	91	80299	9.356	ug/l	98
83) tert-Butylbenzene	12.999	119	83455	9.216	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	93094	9.230	ug/l	99
85) sec-Butylbenzene	13.176	105	123436	9.191	ug/l	99
86) p-Isopropyltoluene	13.292	119	100168	8.932	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	50790	9.144	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	49773	9.372	ug/l	95
89) n-Butylbenzene	13.621	91	93025	8.847	ug/l	98
90) Hexachloroethane	13.883	117	20778	9.310	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	43417	9.358	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3042	9.740	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	23591	9.172	ug/l	98
94) Hexachlorobutadiene	15.023	225	12088	8.956	ug/l	99
95) Naphthalene	15.145	128	42212	8.878	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	18071	8.567	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022422.D
Acq On : 27 May 2025 09:14
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 :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:43:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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\VY052725\
 Data File : VY022422.D
 Acq On : 27 May 2025 09:14
 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 :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025

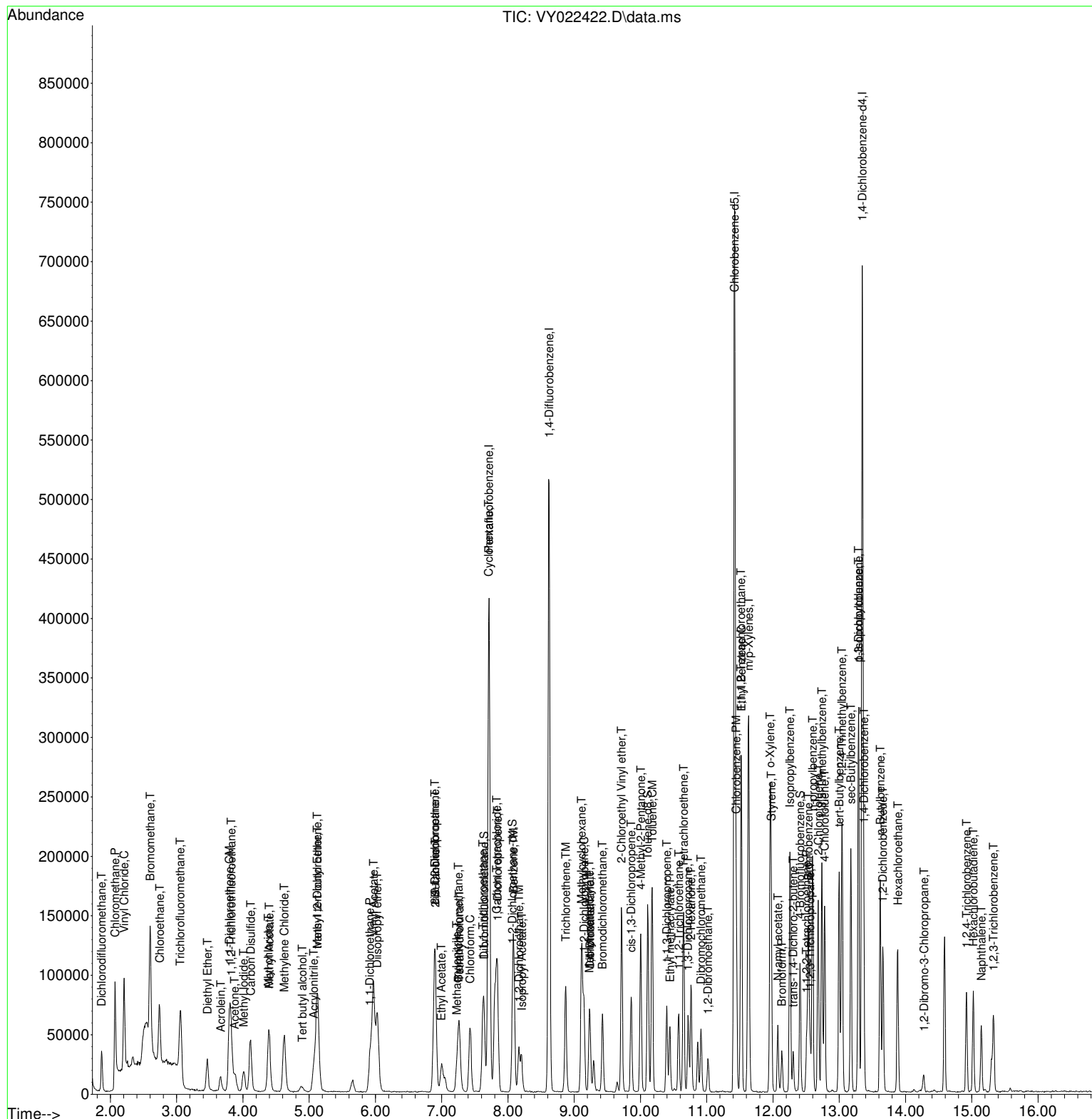
Quant Time: May 28 09:43:42 2025

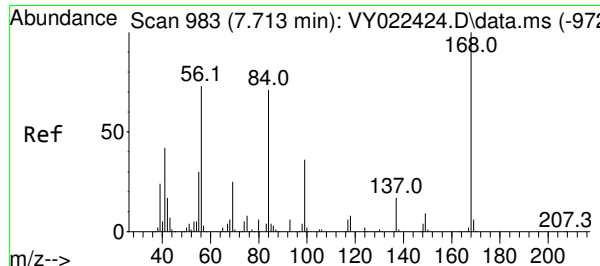
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Quant Title : SW846 8260

QLast Update : Wed May 28 09:30:53 2025

Response via : Initial Calibration





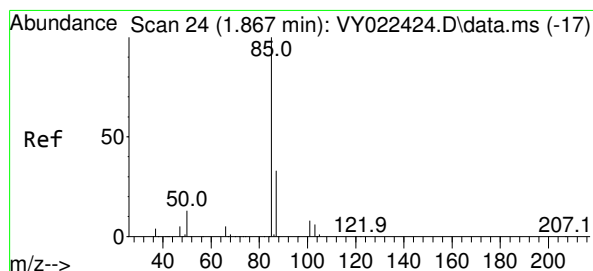
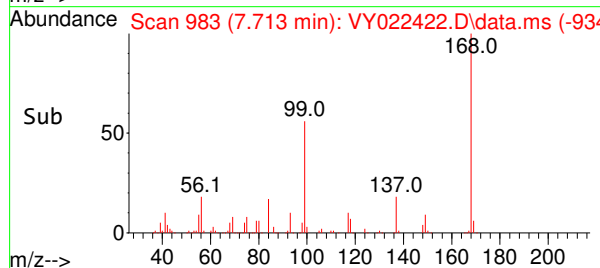
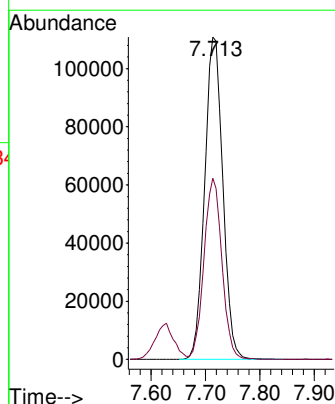
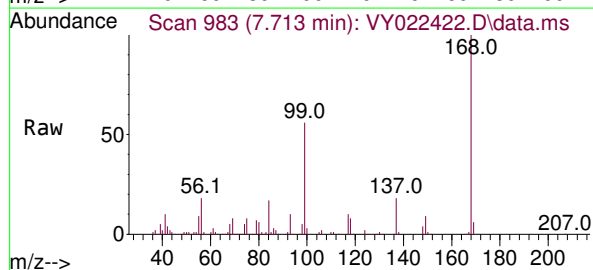
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 25639
Ion Ratio Lower Upper
168 100
99 56.2 44.7 67.1

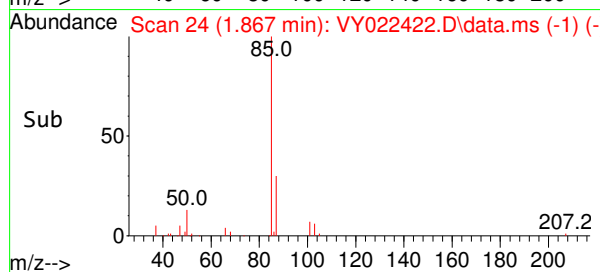
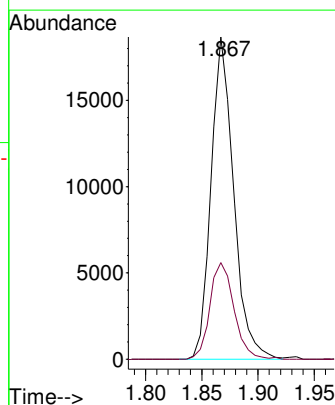
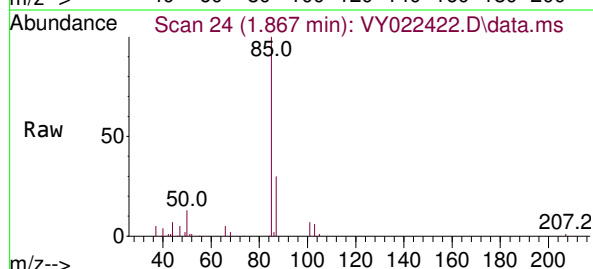
Manual Integrations
APPROVED

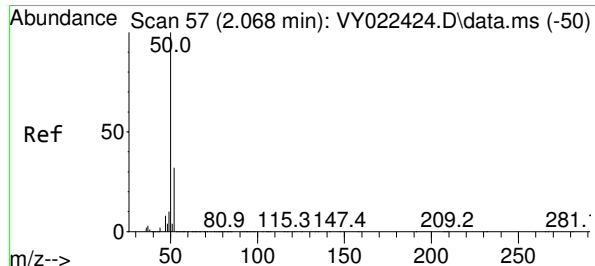
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#2
Dichlorodifluoromethane
Concen: 10.660 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 85 Resp: 26076
Ion Ratio Lower Upper
85 100
87 30.0 16.4 49.2





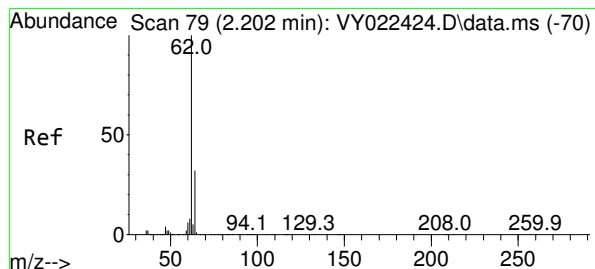
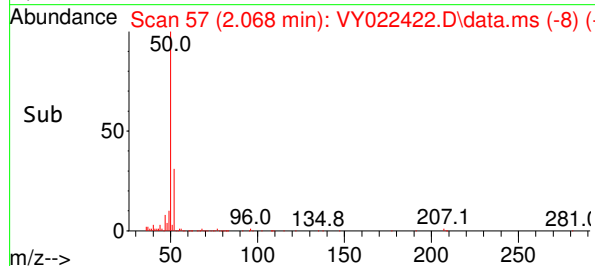
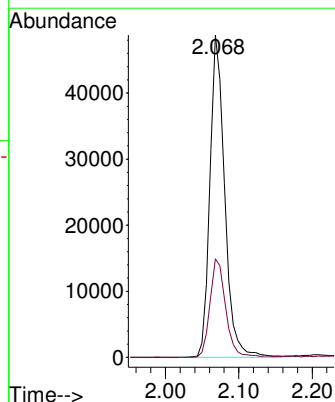
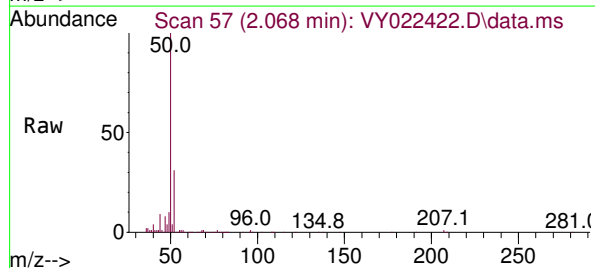
#3
Chloromethane
Concen: 11.343 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 6825
Ion Ratio Lower Upper
50 100
52 30.6 25.5 38.3

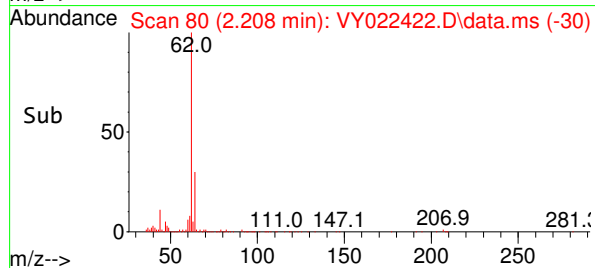
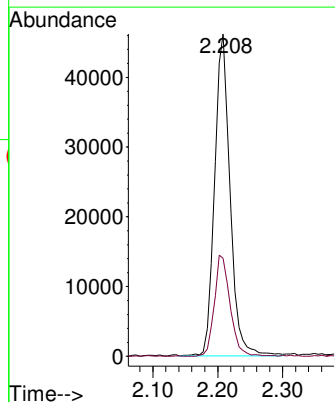
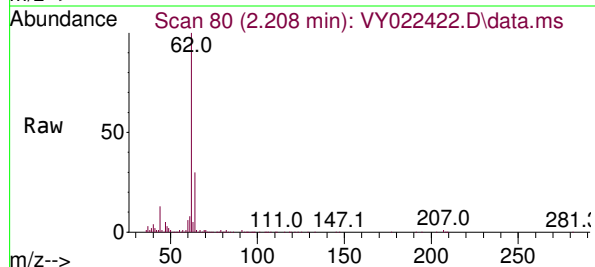
Manual Integrations
APPROVED

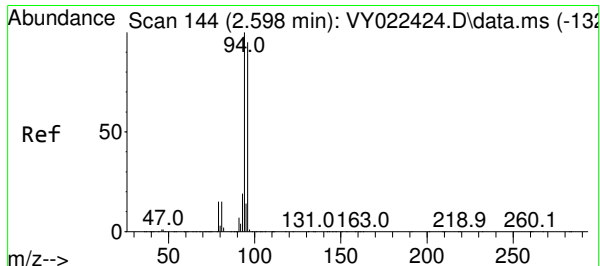
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#4
Vinyl Chloride
Concen: 10.474 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 62 Resp: 76561
Ion Ratio Lower Upper
62 100
64 30.3 26.0 39.0





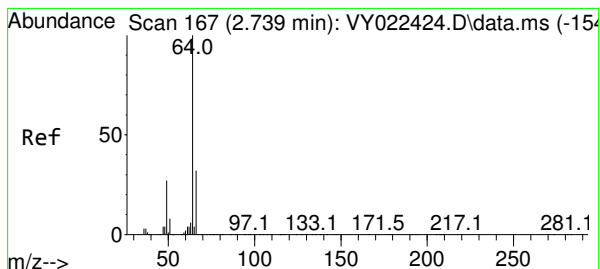
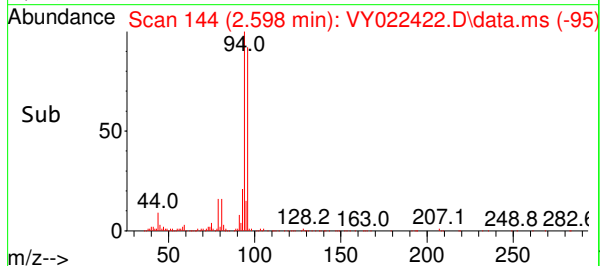
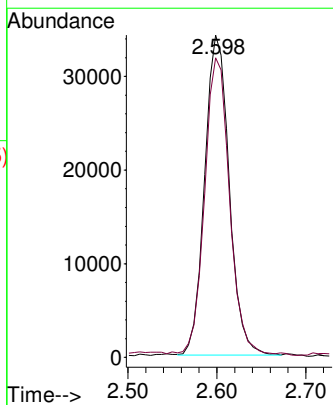
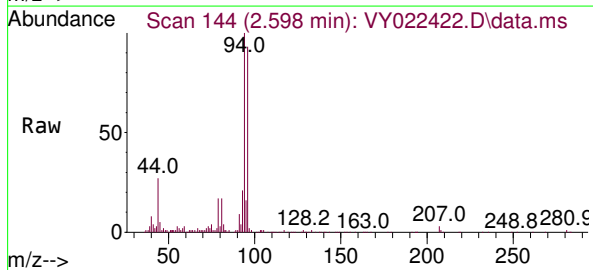
#5
Bromomethane
Concen: 9.890 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 94 Resp: 6569
Ion Ratio Lower Upper
94 100
96 92.1 76.0 114.0

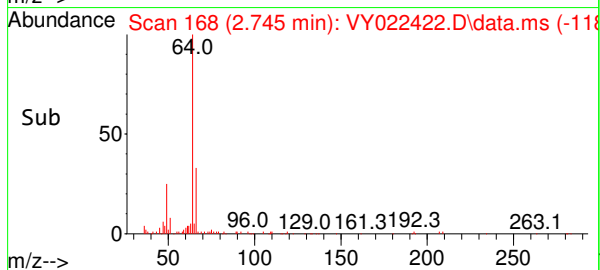
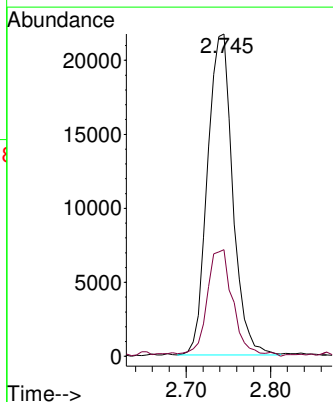
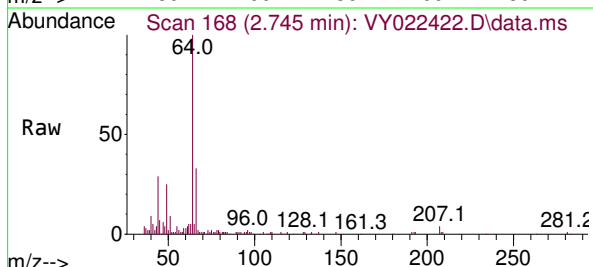
Manual Integrations
APPROVED

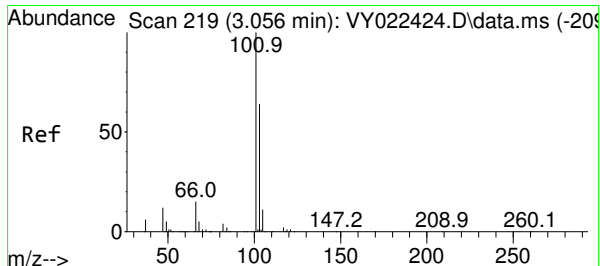
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#6
Chloroethane
Concen: 9.455 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 64 Resp: 45164
Ion Ratio Lower Upper
64 100
66 33.3 25.9 38.9





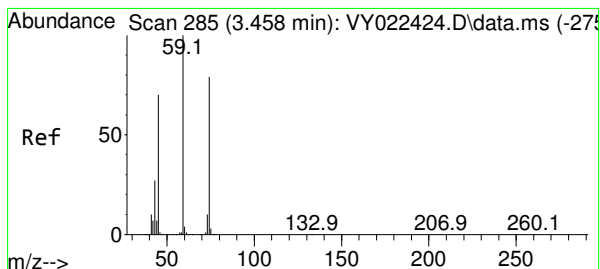
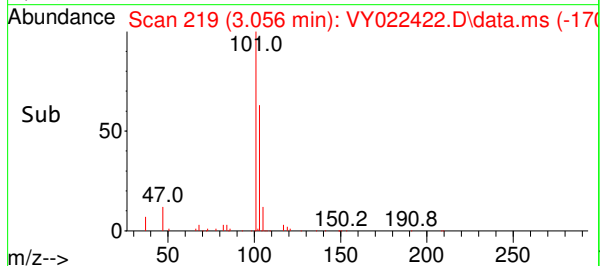
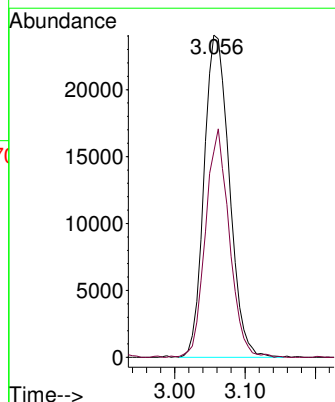
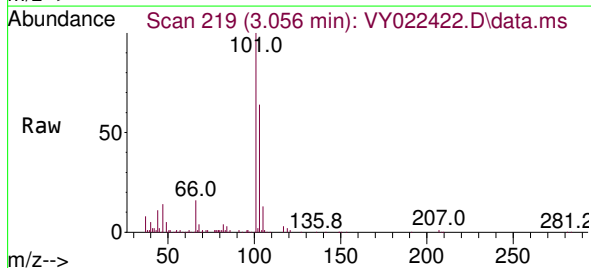
#7
Trichlorofluoromethane
Concen: 9.763 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 6026
Ion Ratio Lower Upper
101 100
103 63.5 50.9 76.3

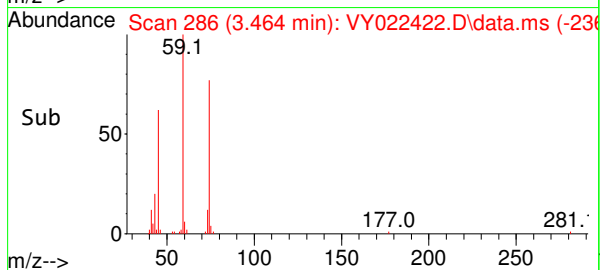
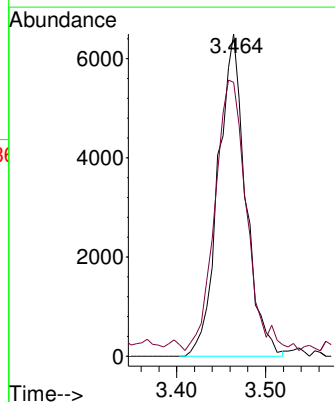
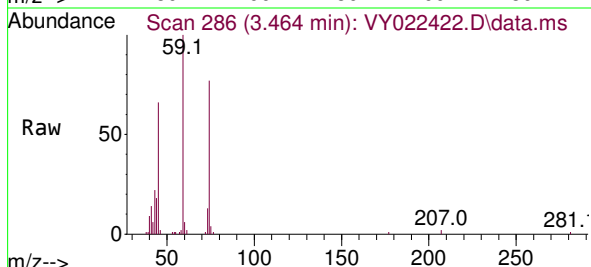
Manual Integrations
APPROVED

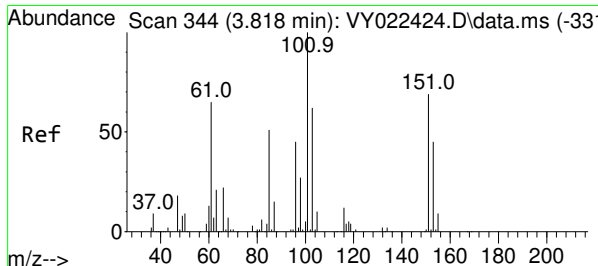
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#8
Diethyl Ether
Concen: 9.875 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

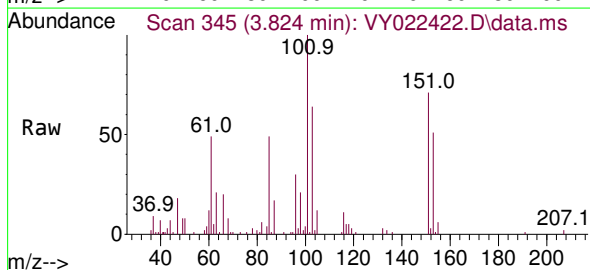
Tgt Ion: 74 Resp: 14042
Ion Ratio Lower Upper
74 100
45 96.1 44.9 134.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.804 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

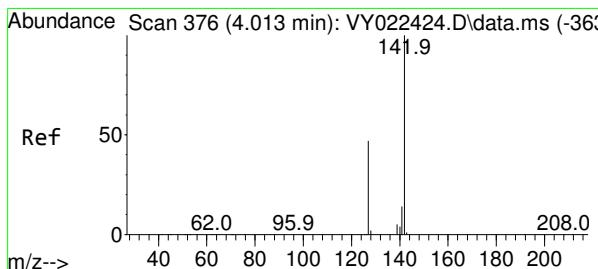
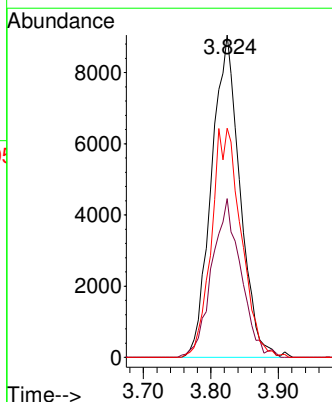
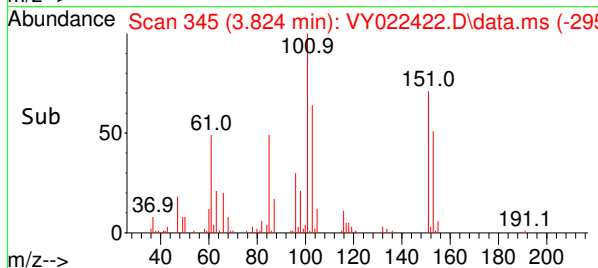
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:101 Resp: 2652
Ion Ratio Lower Upper
101 100
85 50.2 39.2 58.8
151 74.4 58.8 88.2

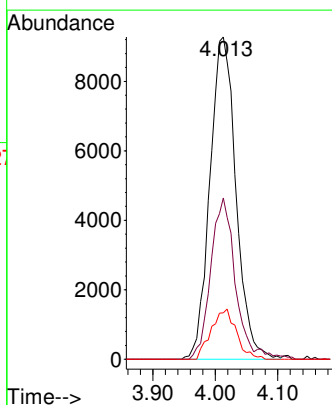
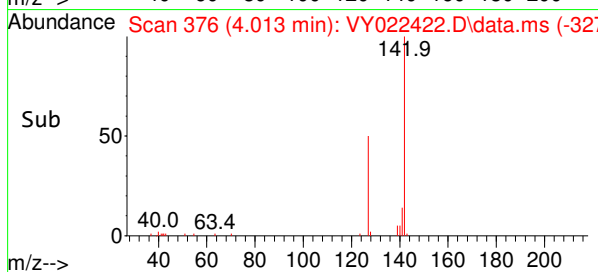
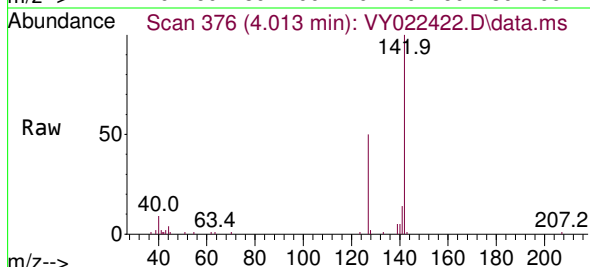
Manual Integrations
APPROVED

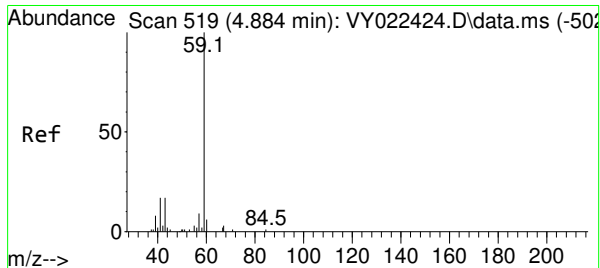
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#10
Methyl Iodide
Concen: 8.803 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:142 Resp: 26870
Ion Ratio Lower Upper
142 100
127 47.5 36.2 54.4
141 15.1 11.6 17.4





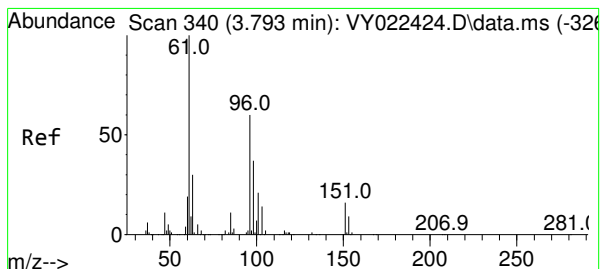
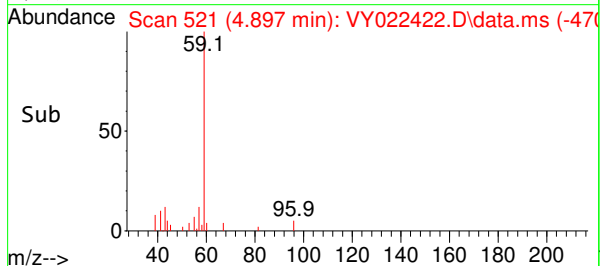
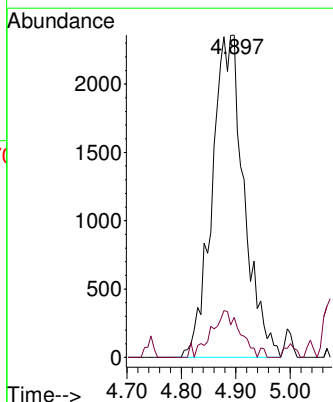
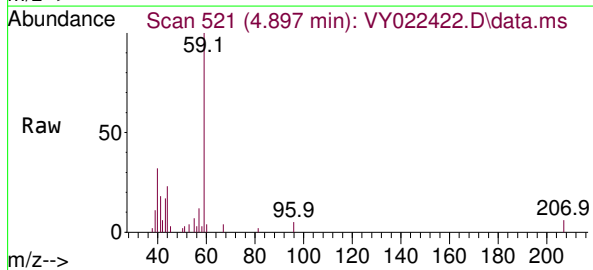
#11
Tert butyl alcohol
Concen: 50.530 ug/l
RT: 4.897 min Scan# 519
Delta R.T. 0.012 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 59 Resp: 961
Ion Ratio Lower Upper
59 100
57 12.7 9.1 13.7

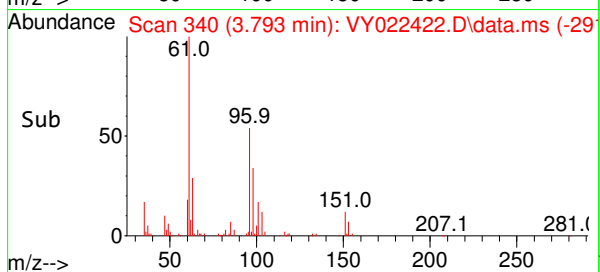
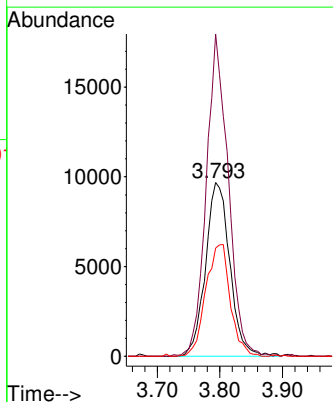
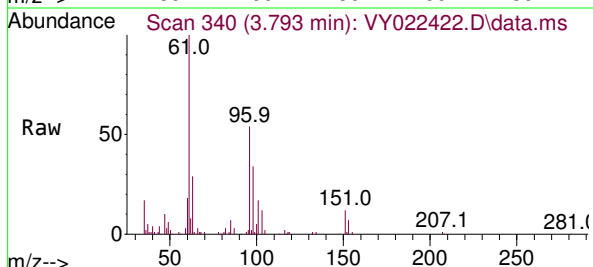
Manual Integrations
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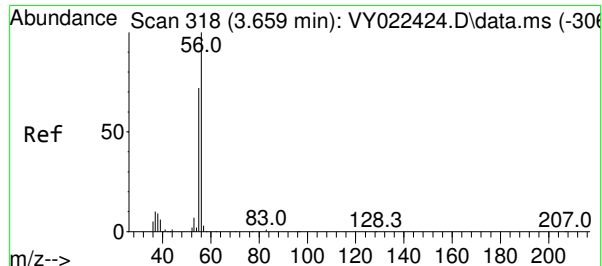
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#12
1,1-Dichloroethene
Concen: 9.781 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 96 Resp: 26273
Ion Ratio Lower Upper
96 100
61 185.6 134.1 201.1
98 62.2 50.2 75.2





#13

Acrolein

Concen: 48.278 ug/l

RT: 3.665 min Scan# 318

Delta R.T. 0.006 min

Lab File: VY022422.D

Acq: 27 May 2025 09:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 1377

Ion Ratio Lower Upper

56 100

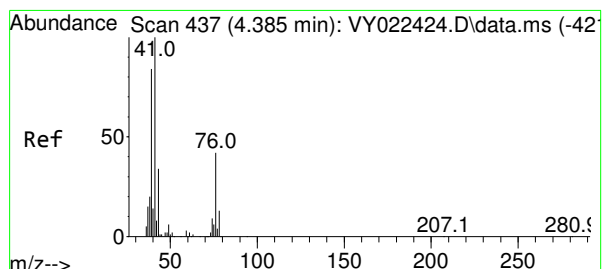
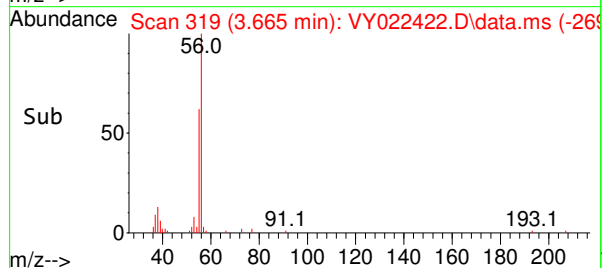
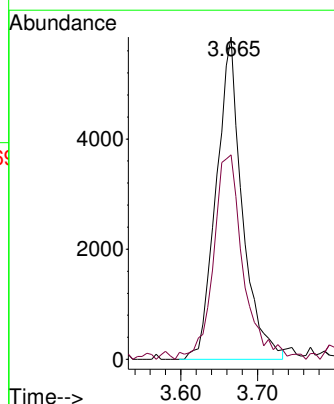
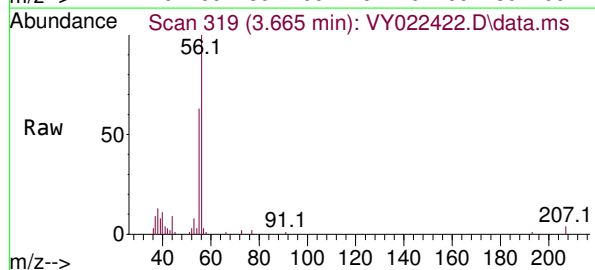
55 72.9 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#14

Allyl chloride

Concen: 9.541 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY022422.D

Acq: 27 May 2025 09:14

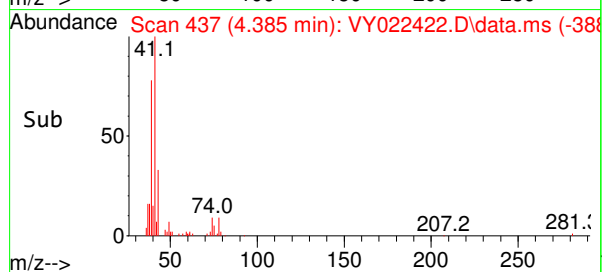
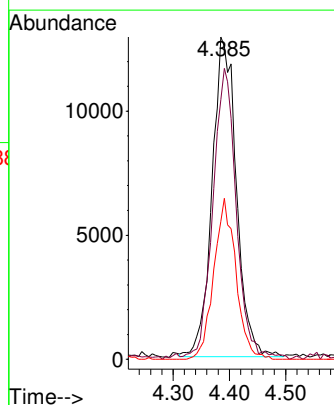
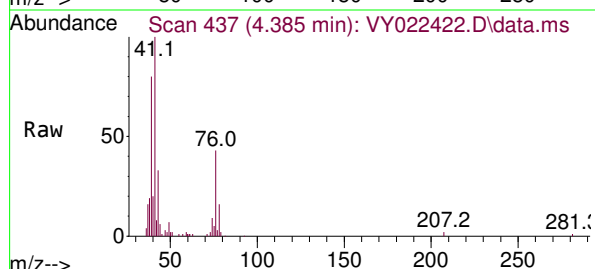
Tgt Ion: 41 Resp: 38553

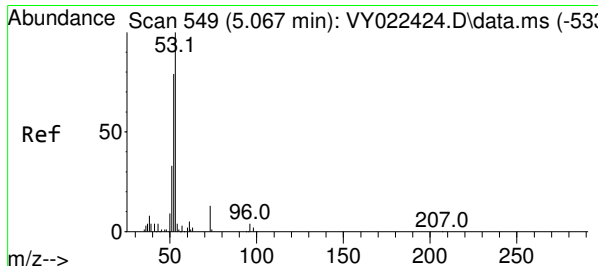
Ion Ratio Lower Upper

41 100

39 88.5 66.6 100.0

76 46.0 33.7 50.5





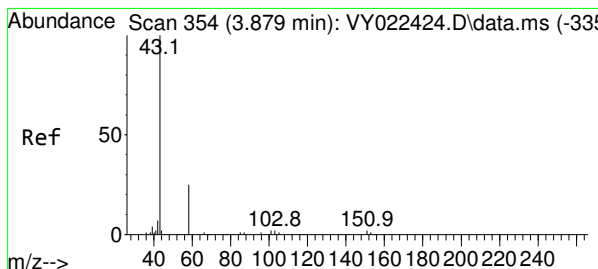
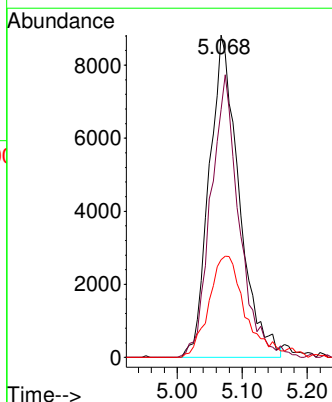
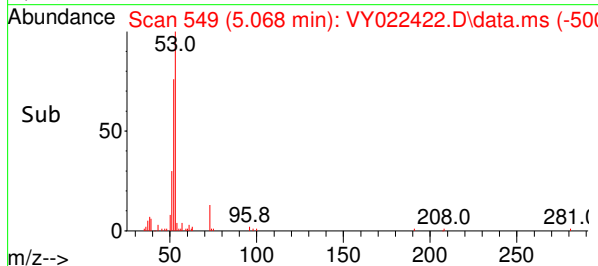
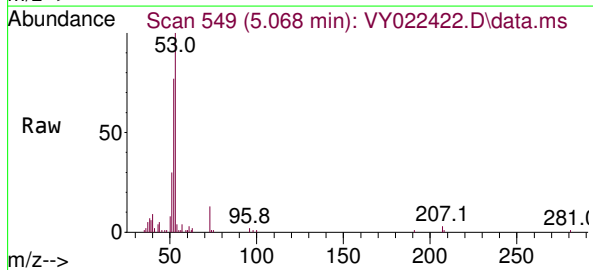
#15
Acrylonitrile
Concen: 49.059 ug/l
RT: 5.068 min Scan# 512
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.1	97.7
51	38.0	30.0	45.0

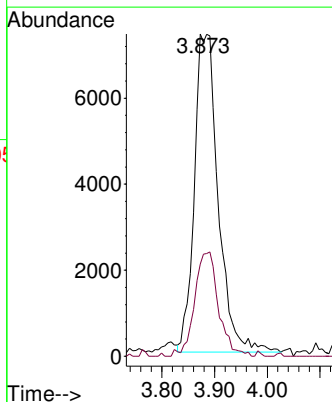
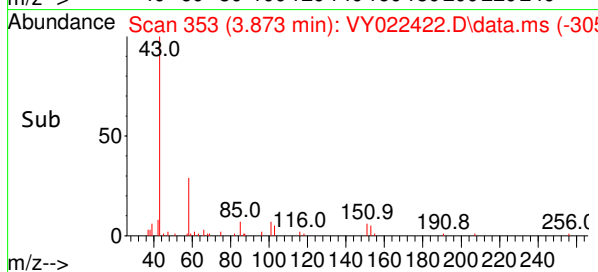
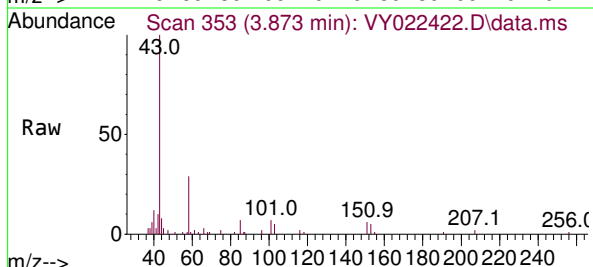
Manual Integrations
APPROVED

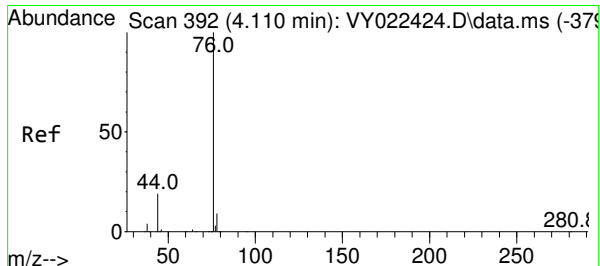
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#16
Acetone
Concen: 52.221 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.0	20.6	30.8





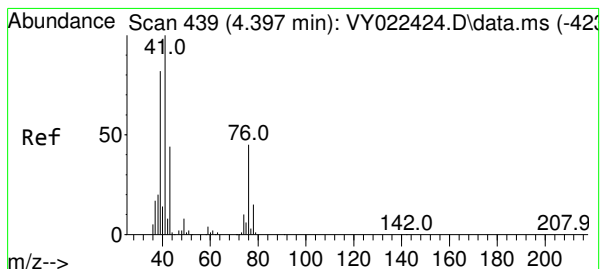
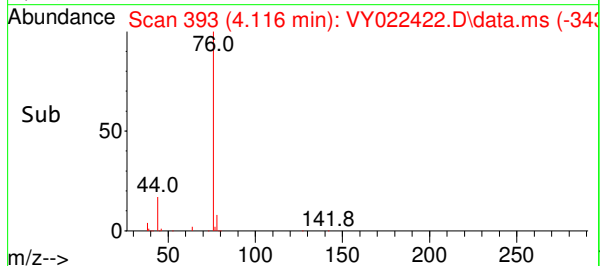
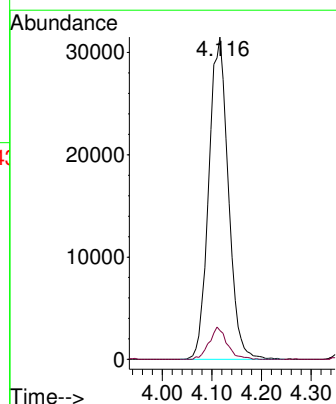
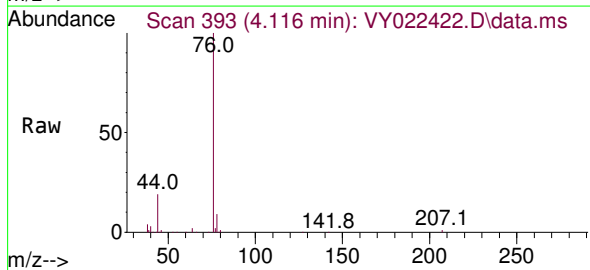
#17
Carbon Disulfide
Concen: 10.022 ug/l
RT: 4.116 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 8591
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

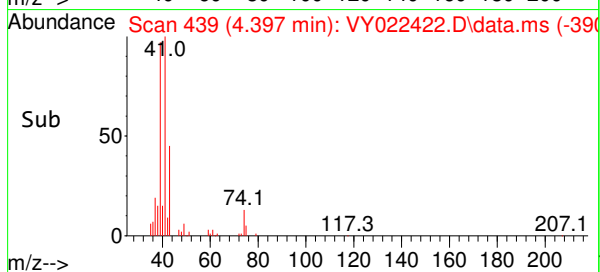
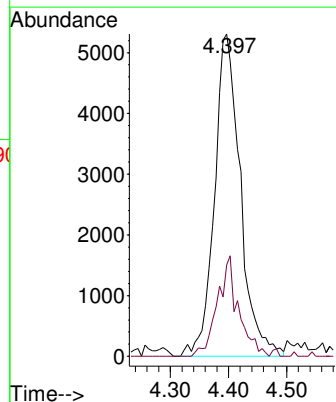
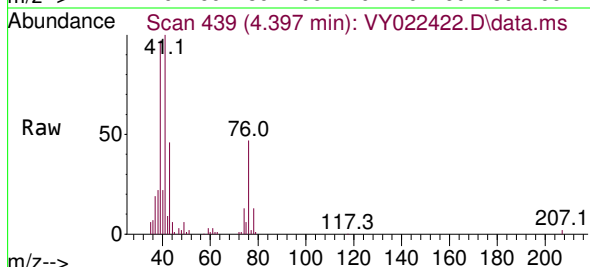
Manual Integrations
APPROVED

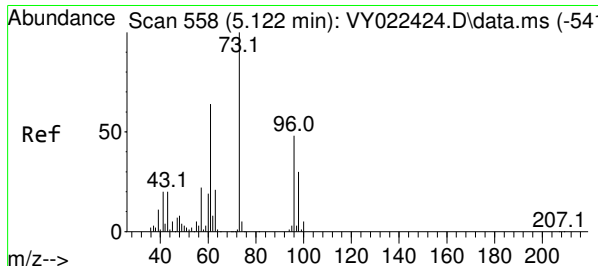
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#18
Methyl Acetate
Concen: 9.841 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 43 Resp: 16359
Ion Ratio Lower Upper
43 100
74 25.5 21.2 31.8





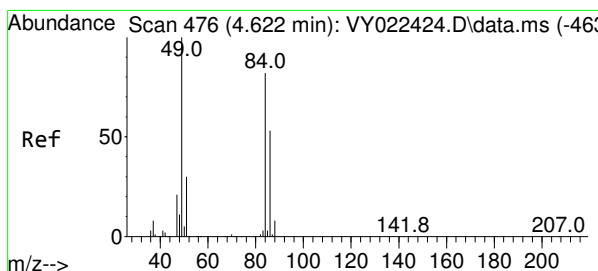
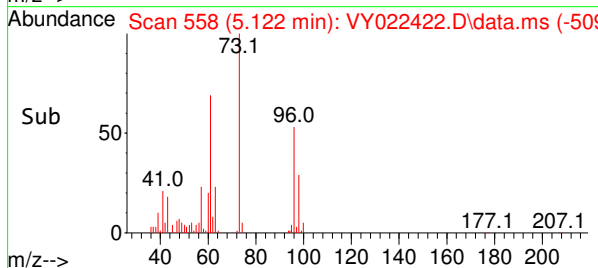
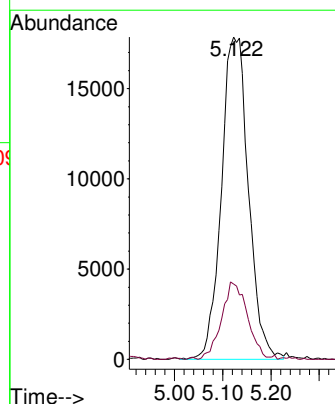
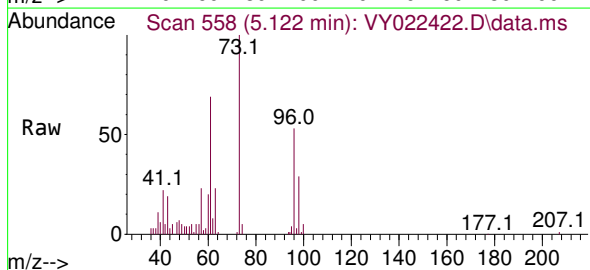
#19
Methyl tert-butyl Ether
Concen: 9.769 ug/l
RT: 5.122 min Scan# 558
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 6967
Ion Ratio Lower Upper
73 100
57 23.0 17.7 26.5

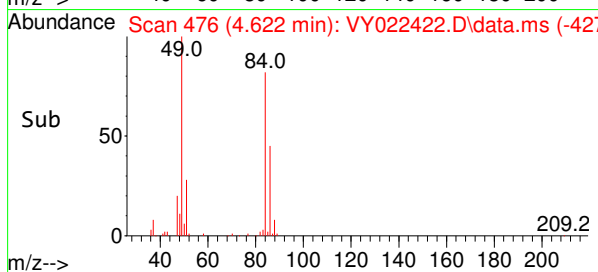
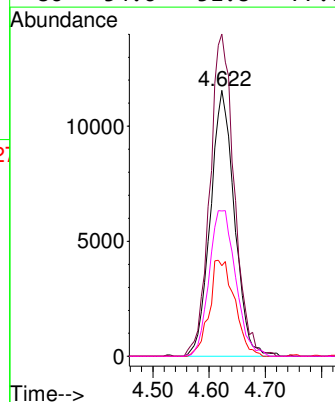
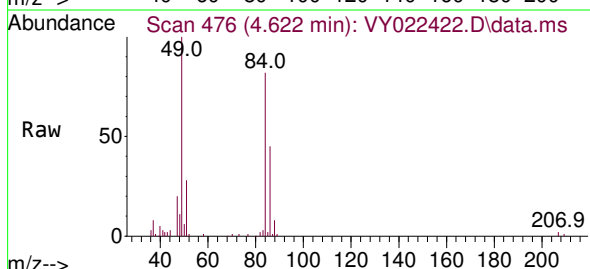
Manual Integrations
APPROVED

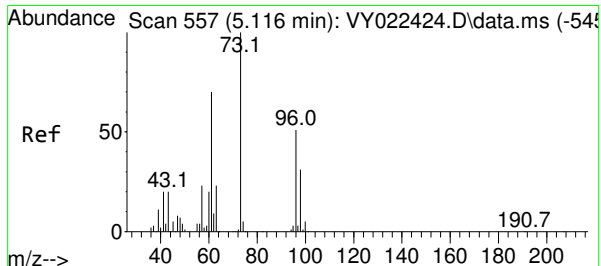
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#20
Methylene Chloride
Concen: 10.946 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 84 Resp: 34301
Ion Ratio Lower Upper
84 100
49 121.3 97.8 146.8
51 34.1 29.5 44.3
86 54.6 51.8 77.6





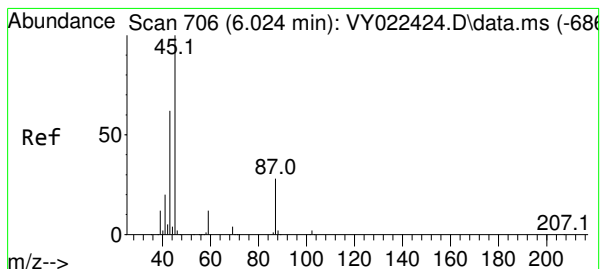
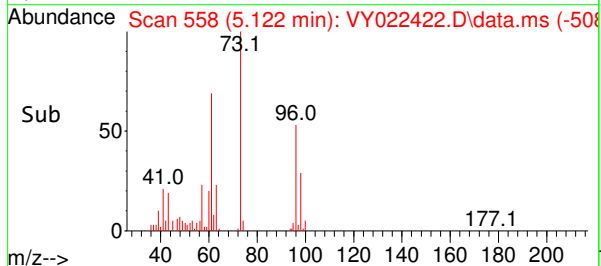
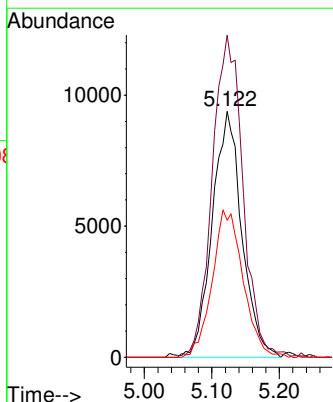
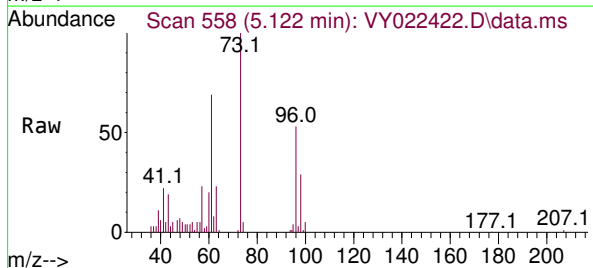
#21
trans-1,2-Dichloroethene
Concen: 9.724 ug/l
RT: 5.122 min Scan# 557
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:	96	Resp:	2851
Ion	Ratio	Lower	Upper
96	100		
61	131.0	110.4	165.6
98	55.7	48.6	73.0

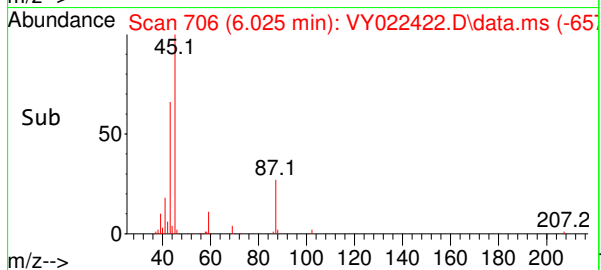
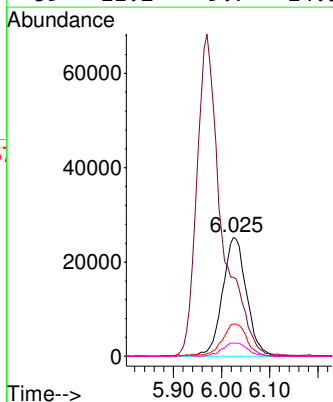
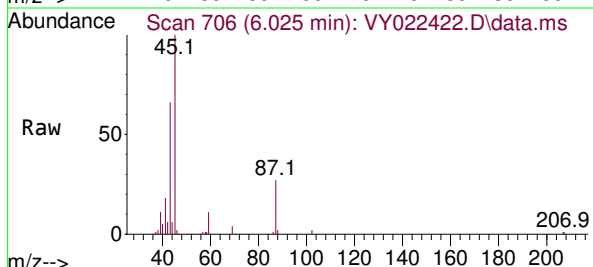
Manual Integrations
APPROVED

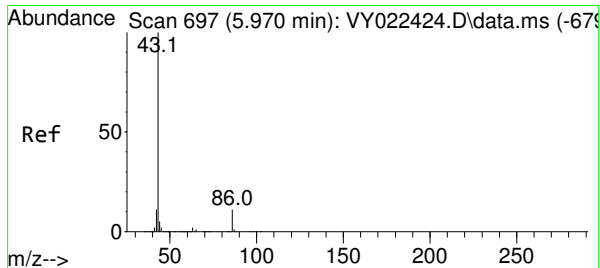
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#22
Diisopropyl ether
Concen: 9.756 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:	45	Resp:	87002
Ion	Ratio	Lower	Upper
45	100		
43	65.0	49.8	74.8
87	27.1	23.0	34.6
59	11.2	9.7	14.5





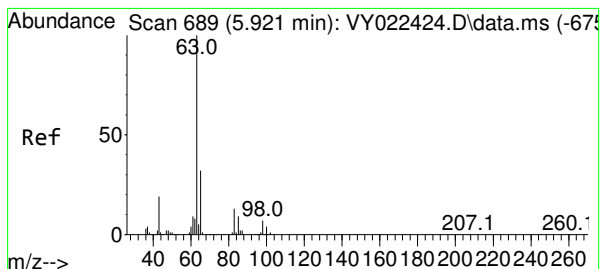
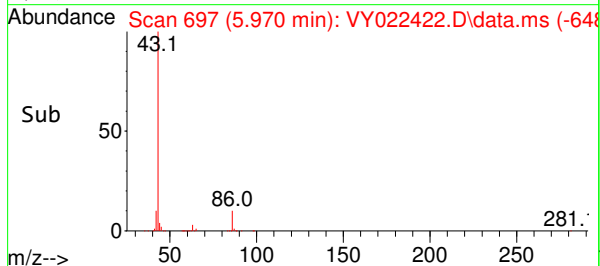
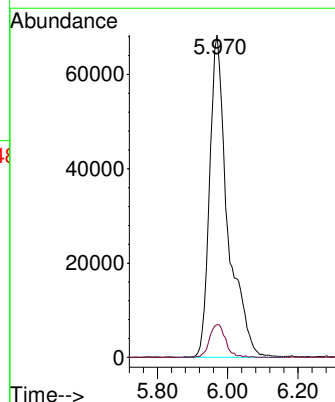
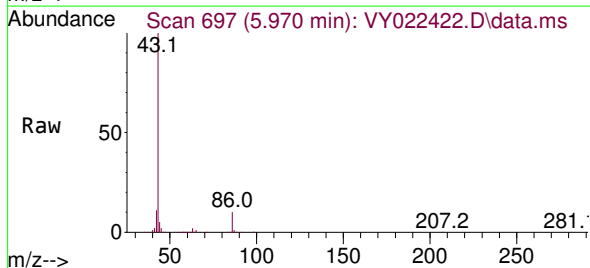
#23
Vinyl Acetate
Concen: 47.816 ug/l
RT: 5.970 min Scan# 697
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 24484
Ion Ratio Lower Upper
43 100
86 10.1 8.8 13.2

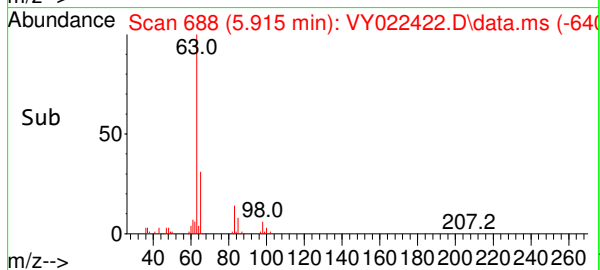
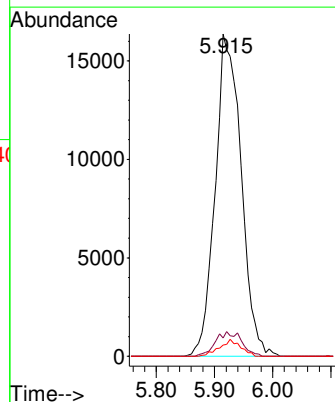
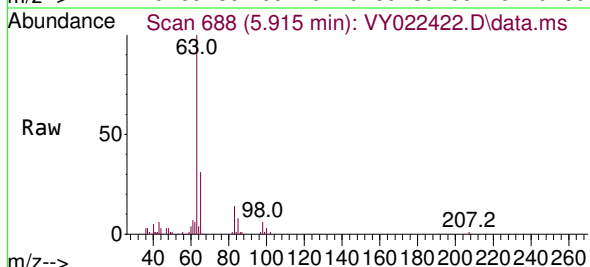
Manual Integrations
APPROVED

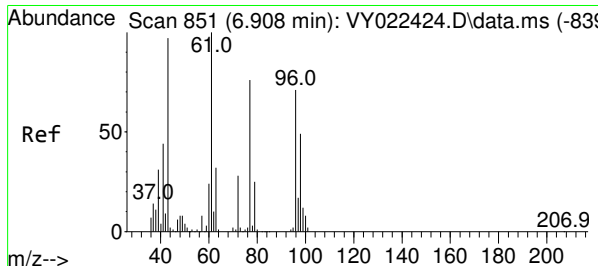
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#24
1,1-Dichloroethane
Concen: 9.591 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 63 Resp: 50541
Ion Ratio Lower Upper
63 100
98 5.7 3.5 10.5
100 3.5 2.1 6.5





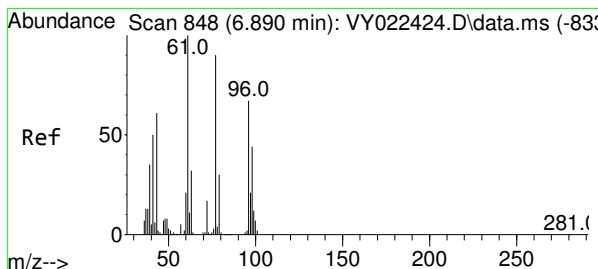
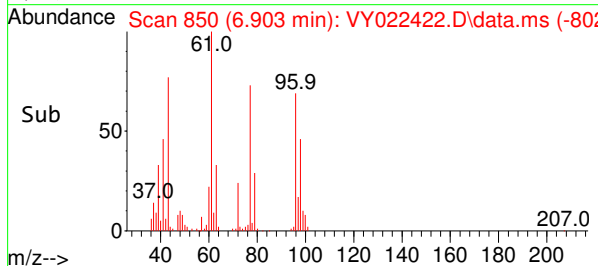
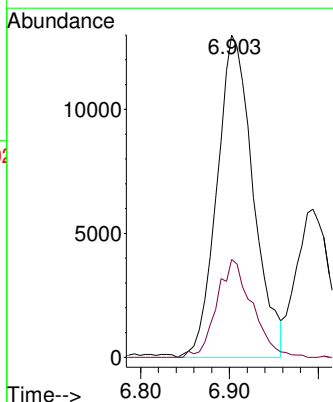
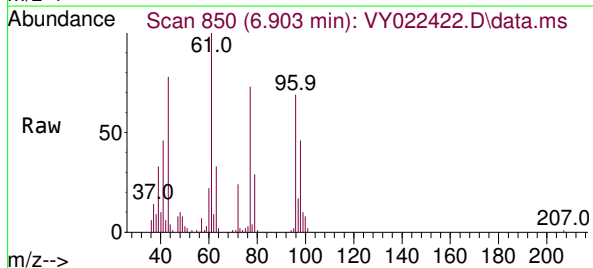
#25
2-Butanone
Concen: 49.890 ug/l
RT: 6.903 min Scan# 851
Delta R.T. -0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 3687
Ion Ratio Lower Upper
43 100
72 30.4 22.8 34.2

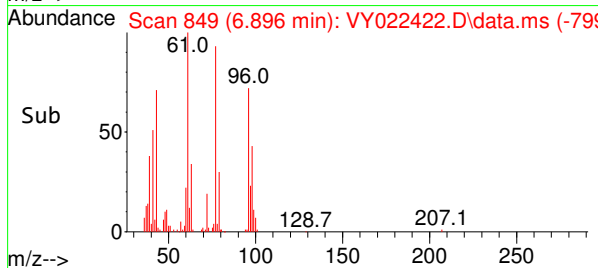
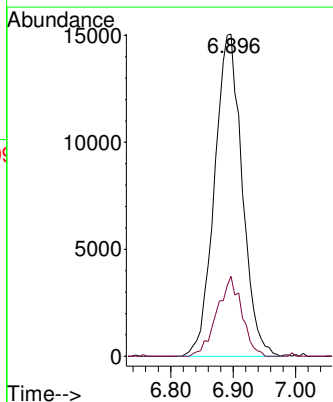
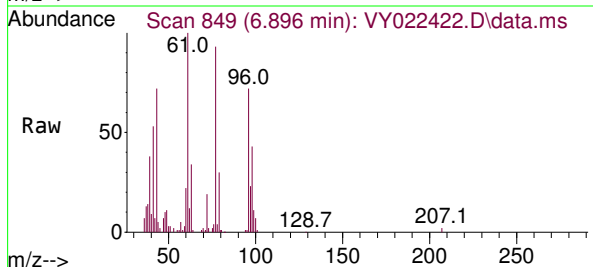
Manual Integrations
APPROVED

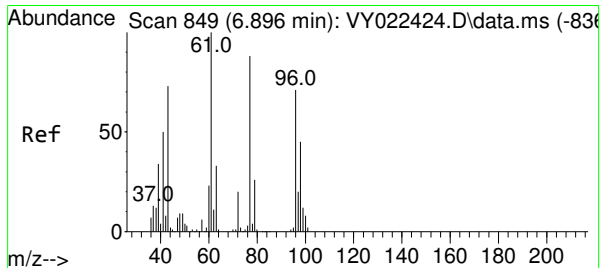
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#26
2,2-Dichloropropane
Concen: 9.675 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 77 Resp: 46164
Ion Ratio Lower Upper
77 100
97 22.3 11.6 34.7





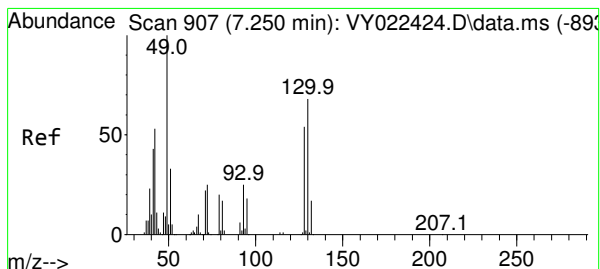
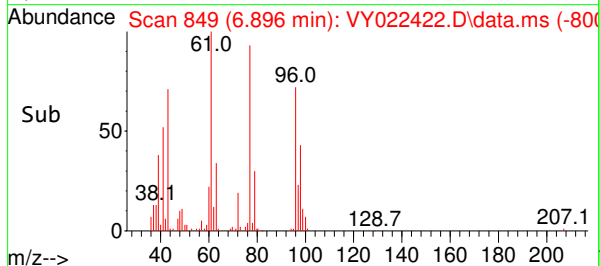
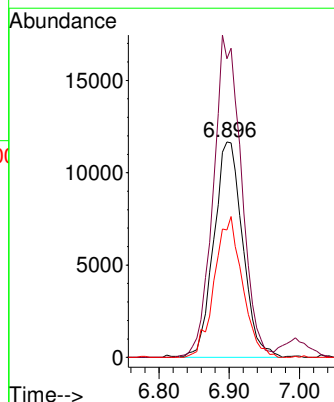
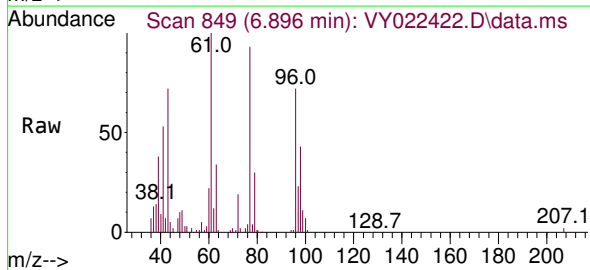
#27
cis-1,2-Dichloroethene
Concen: 9.778 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	292.0
98	63.4	0.0	131.0

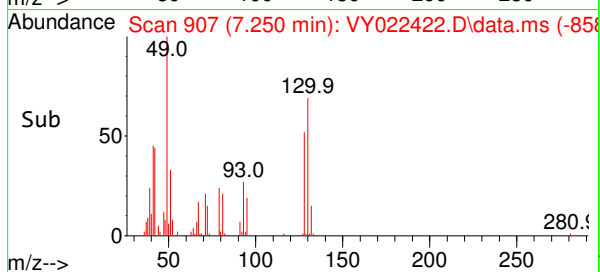
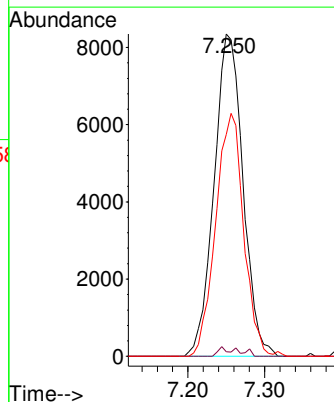
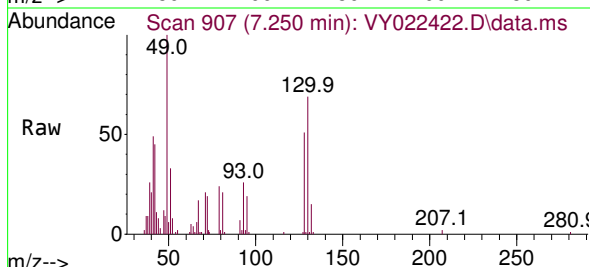
Manual Integrations
APPROVED

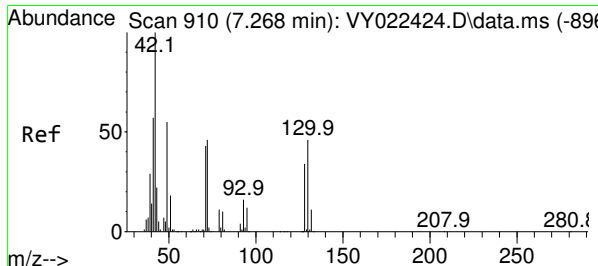
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#28
Bromochloromethane
Concen: 9.927 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.0
130	72.8	56.9	85.3





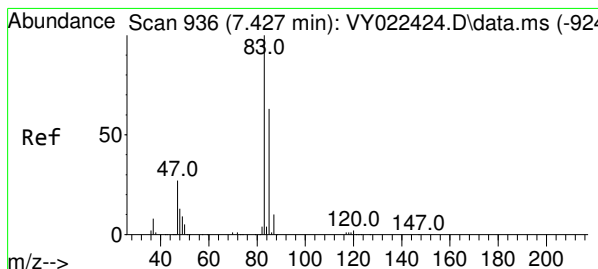
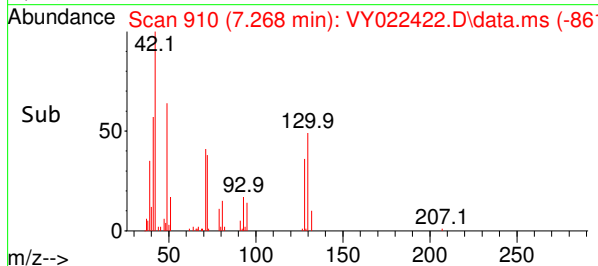
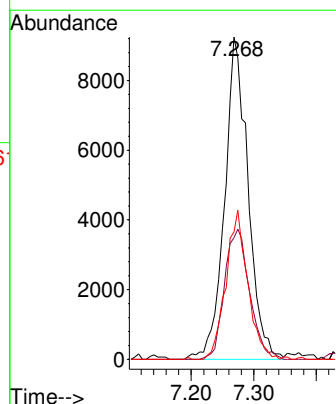
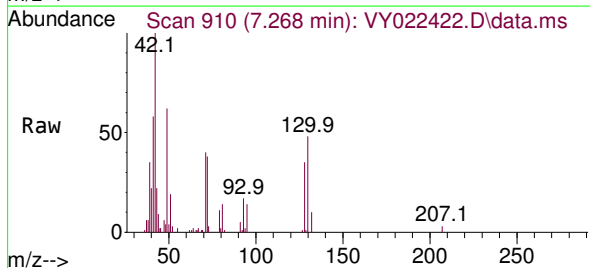
#29
Tetrahydrofuran
Concen: 48.732 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.2	37.7	56.5
71	43.0	34.7	52.1

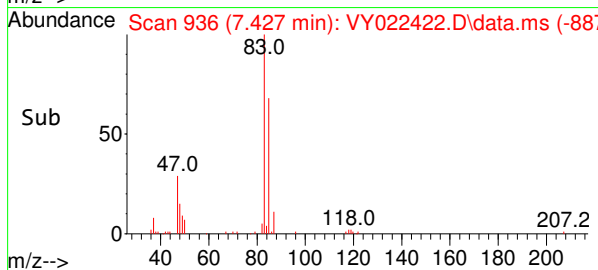
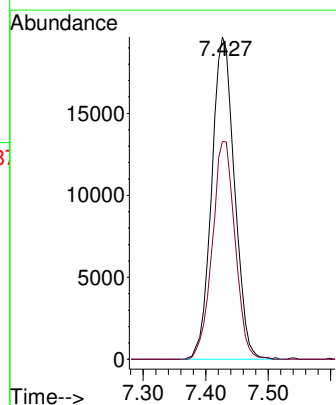
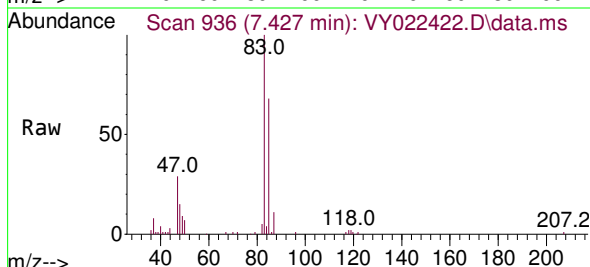
Manual Integrations
APPROVED

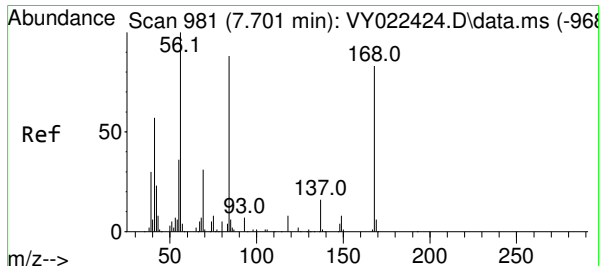
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#30
Chloroform
Concen: 9.583 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.1	75.1





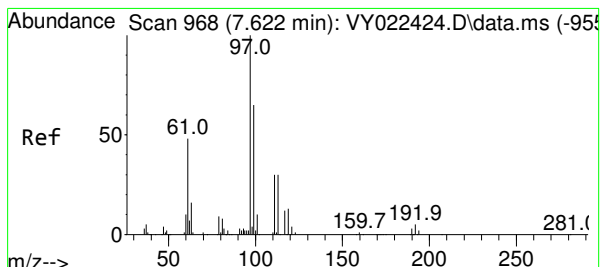
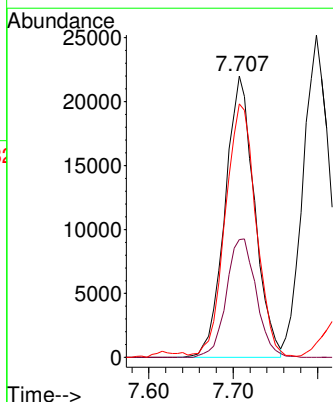
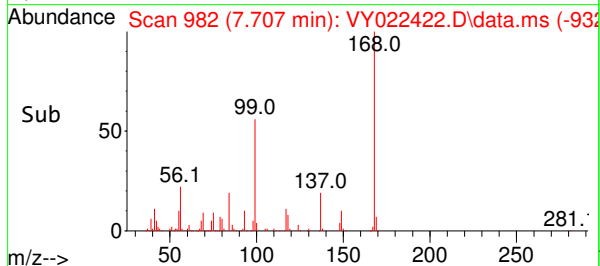
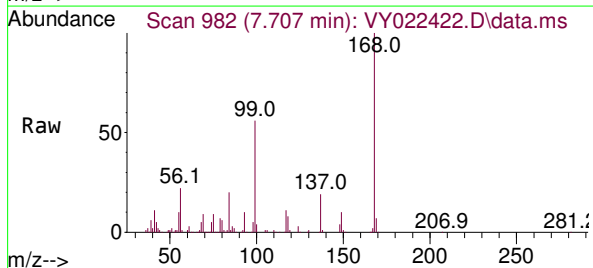
#31
Cyclohexane
Concen: 10.309 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:	56	Resp:	5355
Ion	Ratio	Lower	Upper
56	100		
69	41.9	24.6	36.8
84	88.8	70.4	105.6

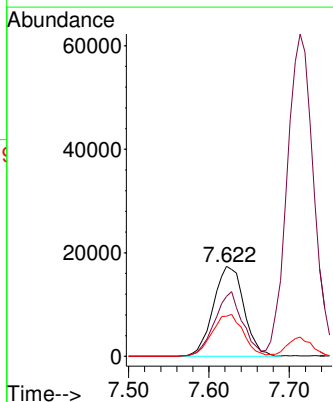
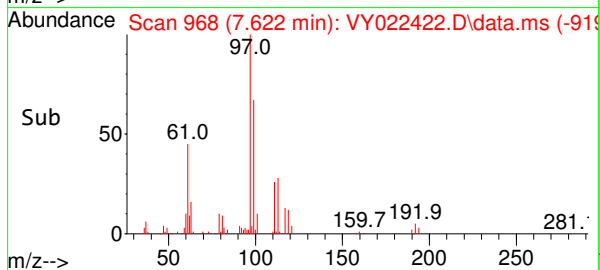
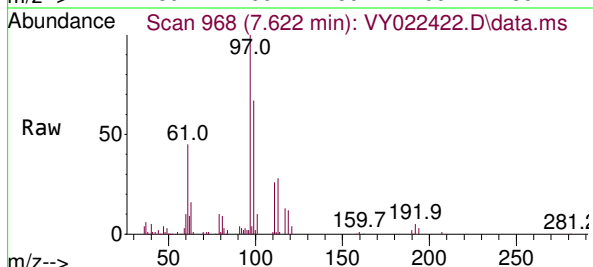
Manual Integrations
APPROVED

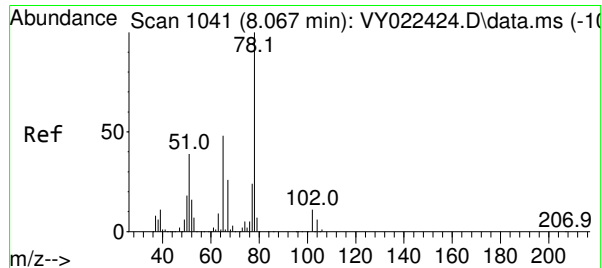
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#32
1,1,1-Trichloroethane
Concen: 9.725 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:	97	Resp:	45829
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.3	76.9
61	47.6	37.3	55.9





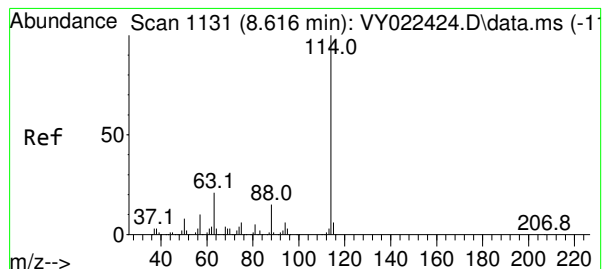
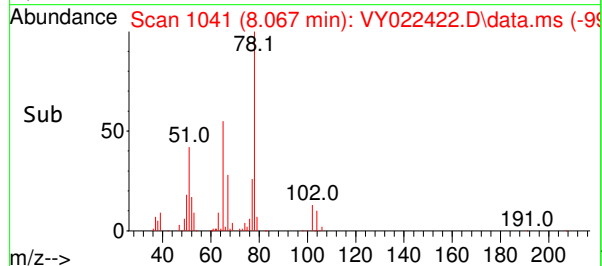
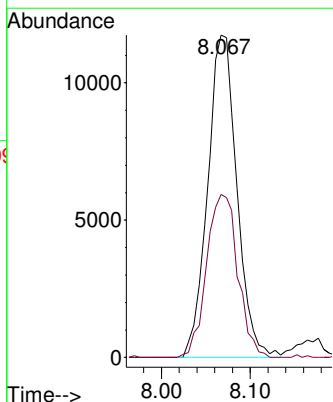
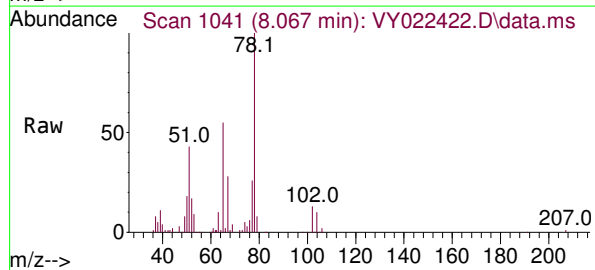
#33
1,2-Dichloroethane-d4
Concen: 9.971 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 2692
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.4

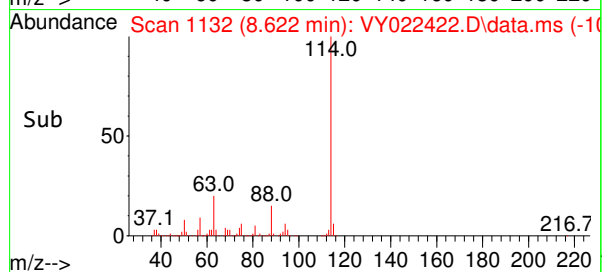
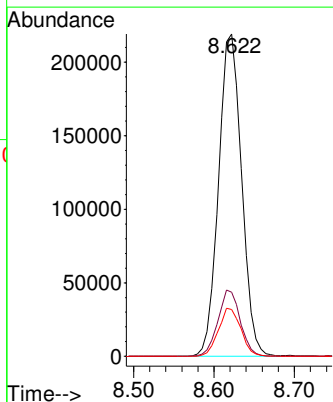
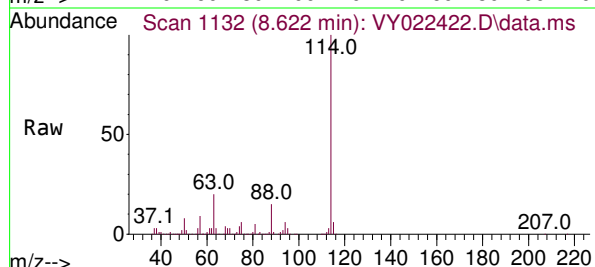
Manual Integrations
APPROVED

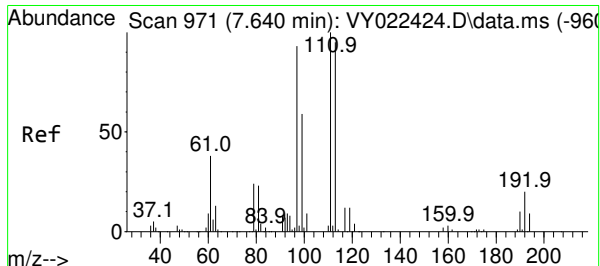
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:114 Resp: 436685
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.6
88 14.5 0.0 29.4





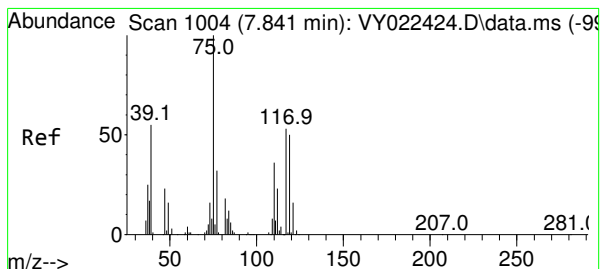
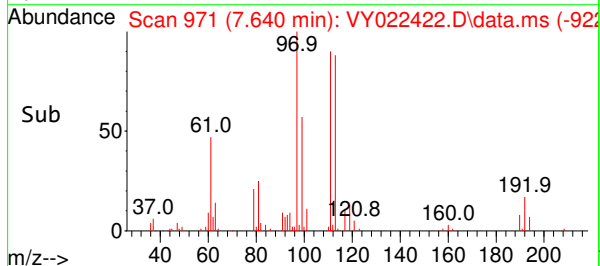
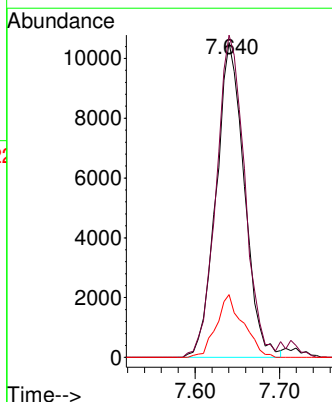
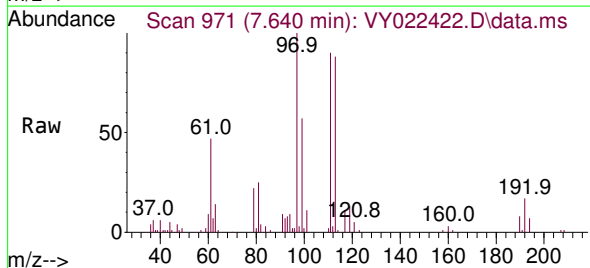
#35
Dibromofluoromethane
Concen: 9.584 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 113 Resp: 2456
Ion Ratio Lower Upper
113 100
111 103.6 82.4 123.6
192 19.1 15.2 22.8

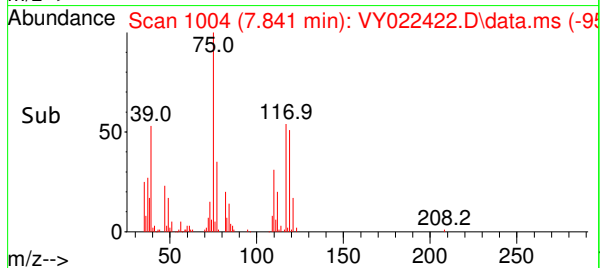
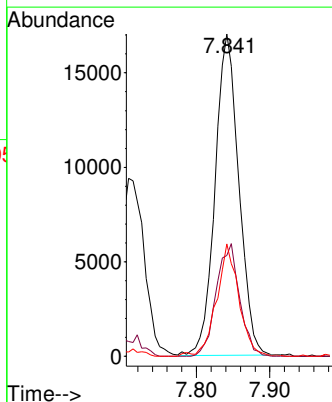
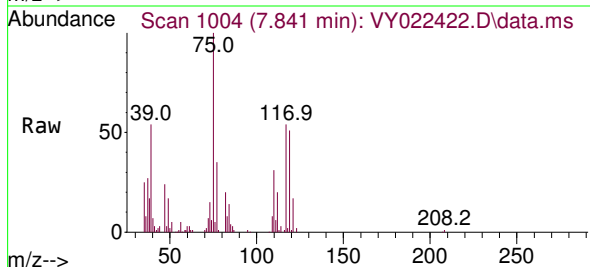
Manual Integrations
APPROVED

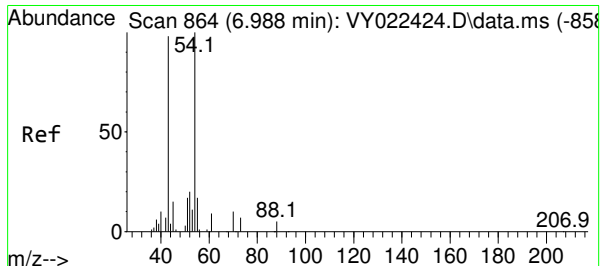
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#36
1,1-Dichloropropene
Concen: 9.404 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

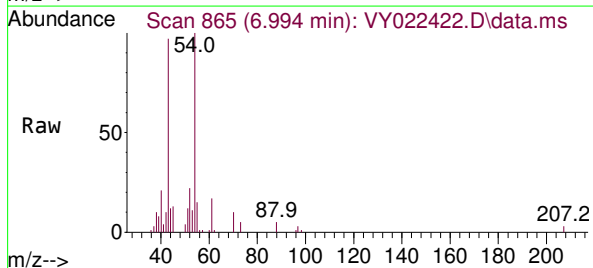
Tgt Ion: 75 Resp: 38161
Ion Ratio Lower Upper
75 100
110 34.5 17.1 51.2
77 33.1 25.1 37.7





#37
Ethyl Acetate
Concen: 9.406 ug/l
RT: 6.994 min Scan# 865
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

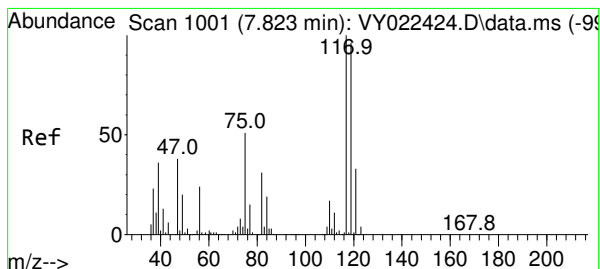
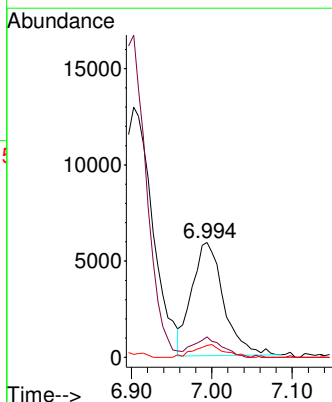
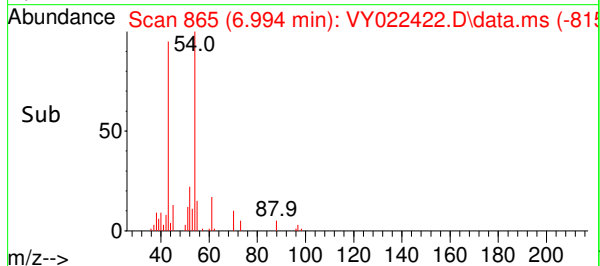
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
61 15.9 11.7 17.5
70 10.8 7.8 11.6

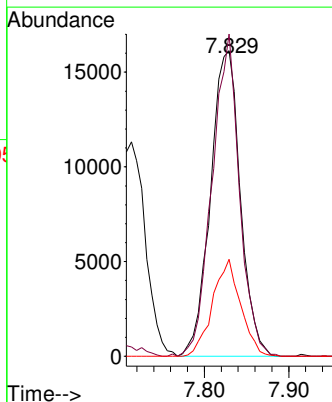
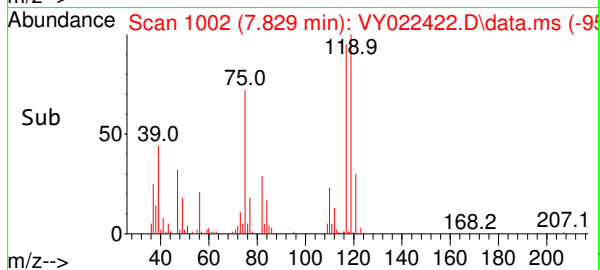
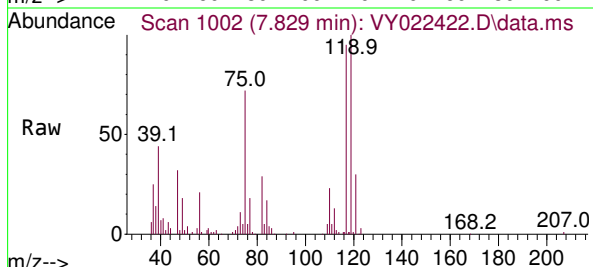
Manual Integrations
APPROVED

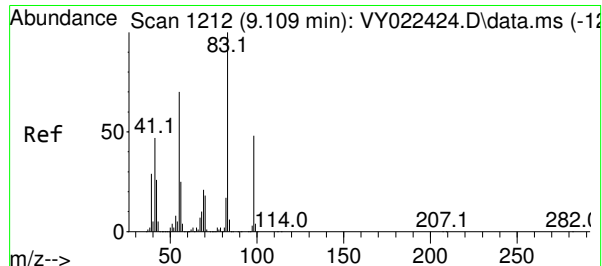
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#38
Carbon Tetrachloride
Concen: 9.414 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:117 Resp: 39797
Ion Ratio Lower Upper
117 100
119 105.5 76.3 114.5
121 31.8 26.1 39.1





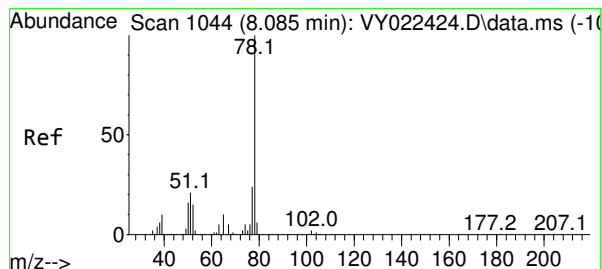
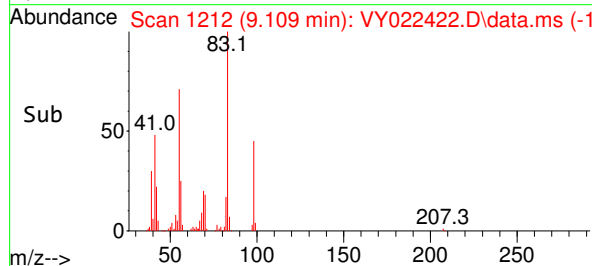
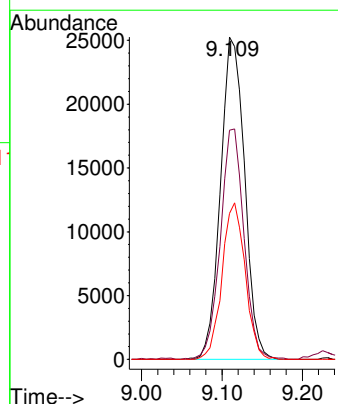
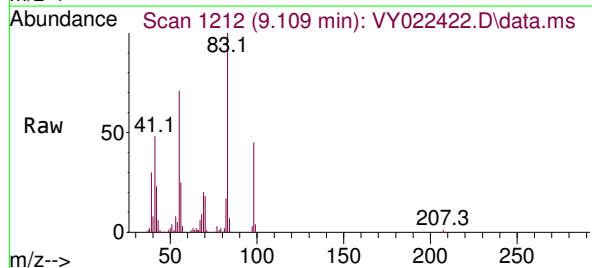
#39
Methylcyclohexane
Concen: 9.751 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:	83	Resp:	5260
Ion	Ratio	Lower	Upper
83	100		
55	71.0	56.2	84.2
98	45.2	38.4	57.6

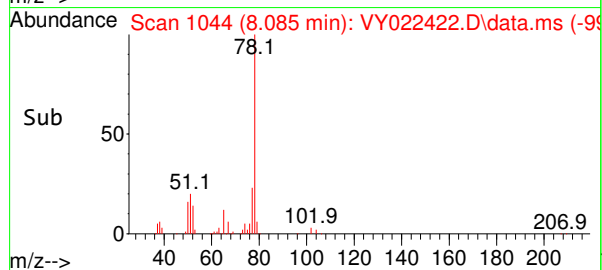
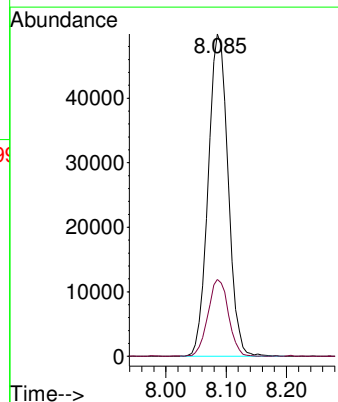
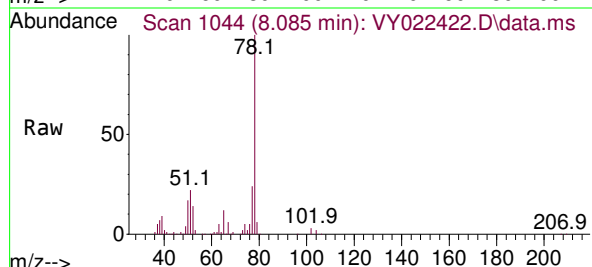
Manual Integrations
APPROVED

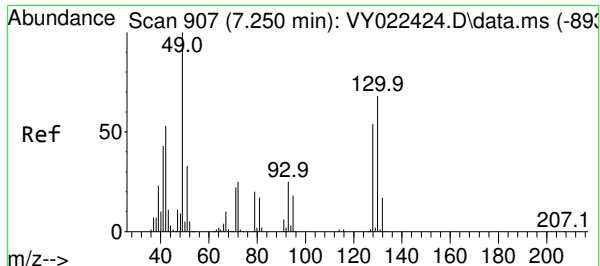
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#40
Benzene
Concen: 9.489 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

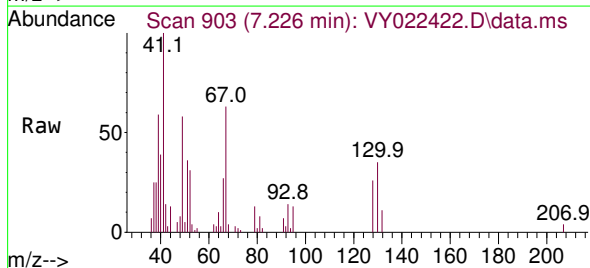
Tgt Ion:	78	Resp:	114576
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.2





#41
Methacrylonitrile
Concen: 4.158 ug/l
RT: 7.226 min Scan# 903
Delta R.T. -0.024 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

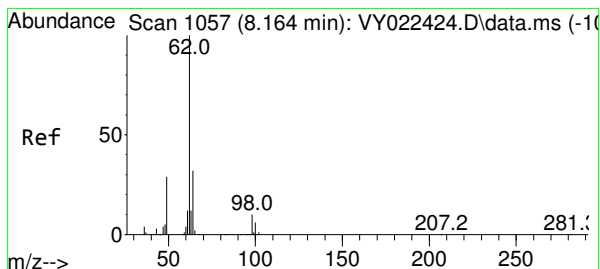
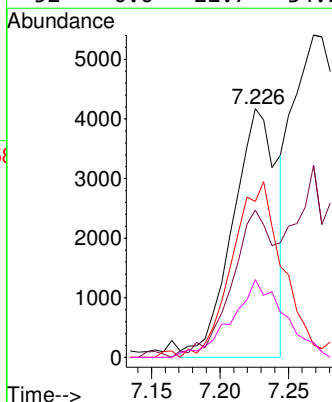
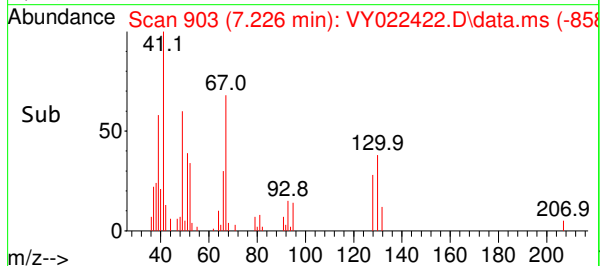
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 41 Resp: 943
Ion Ratio Lower Upper
41 100
39 80.5 40.4 60.6
67 0.0 53.0 79.4
52 0.0 22.7 34.1#

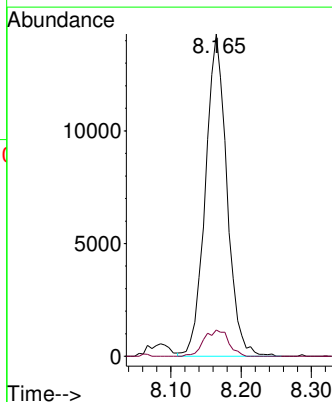
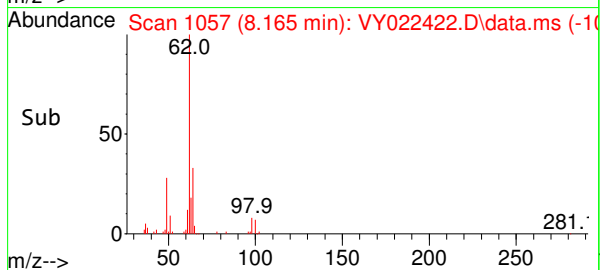
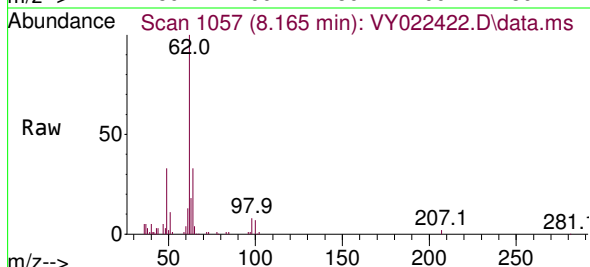
Manual Integrations
APPROVED

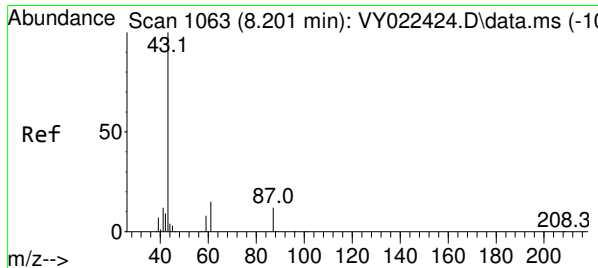
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#42
1,2-Dichloroethane
Concen: 9.517 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 62 Resp: 30350
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.4





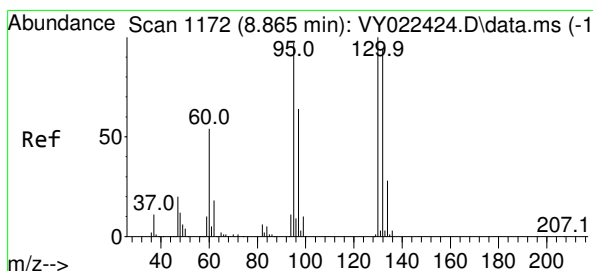
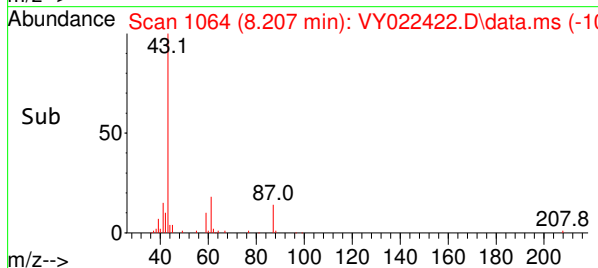
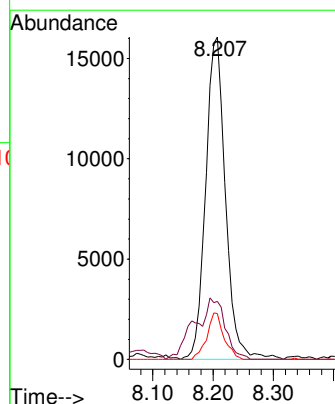
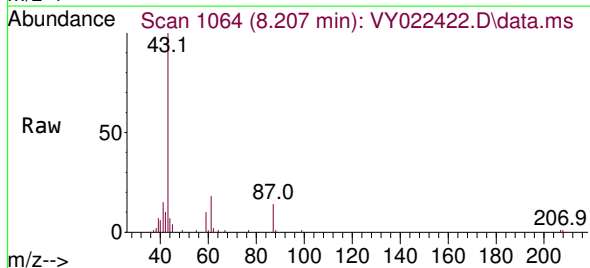
#43
Isopropyl Acetate
Concen: 9.707 ug/l
RT: 8.207 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.4	23.0
87	12.5	10.6	15.8

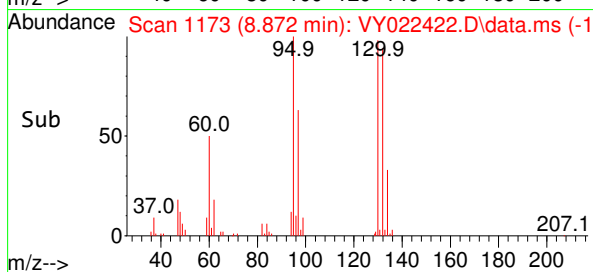
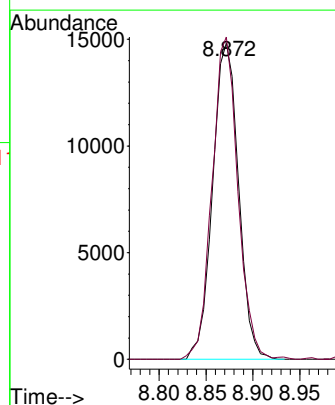
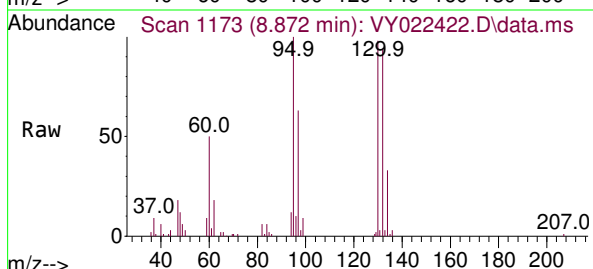
Manual Integrations
APPROVED

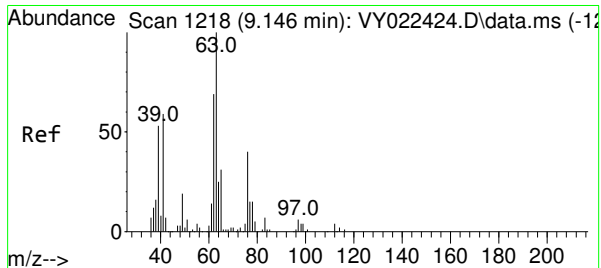
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#44
Trichloroethene
Concen: 9.516 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	194.8





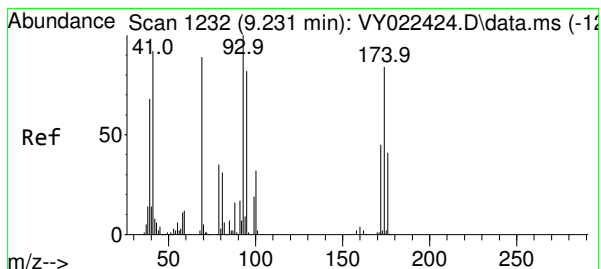
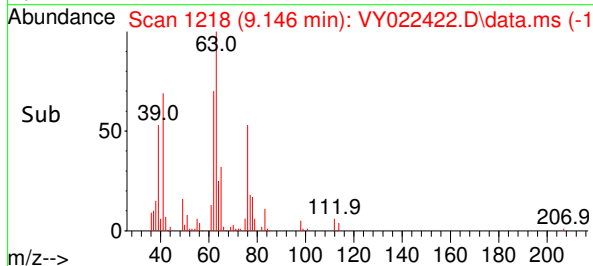
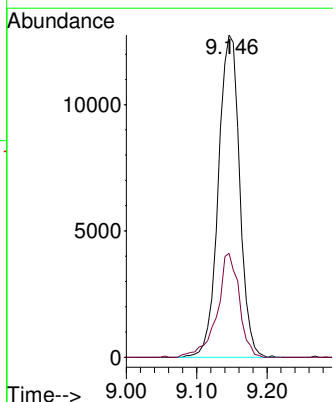
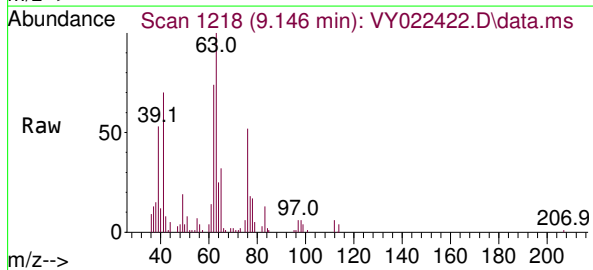
#45
1,2-Dichloropropane
Concen: 9.447 ug/l
RT: 9.146 min Scan# 1218
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 2680
Ion Ratio Lower Upper
63 100
65 32.3 25.1 37.7

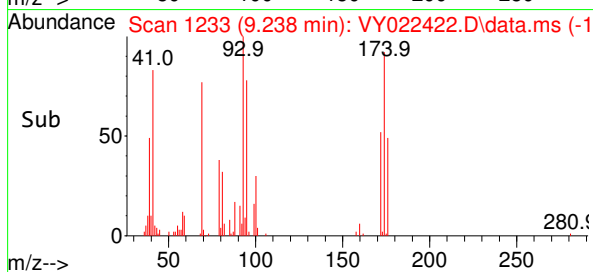
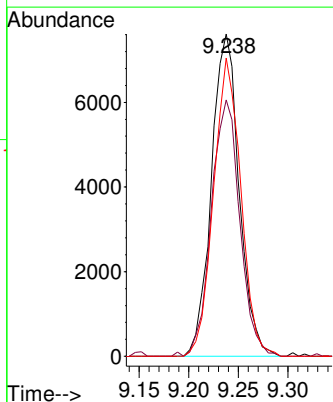
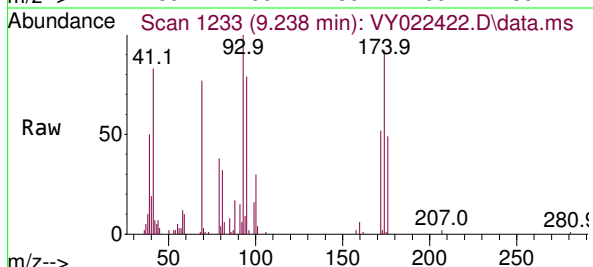
Manual Integrations
APPROVED

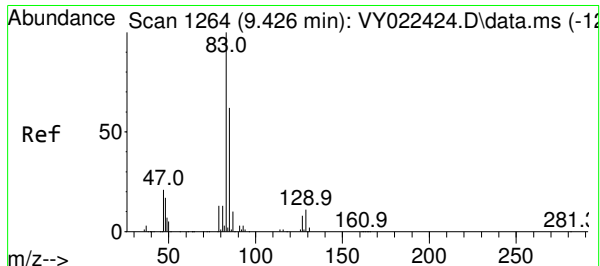
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#46
Dibromomethane
Concen: 9.351 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 93 Resp: 14820
Ion Ratio Lower Upper
93 100
95 81.8 66.2 99.2
174 91.3 71.1 106.7





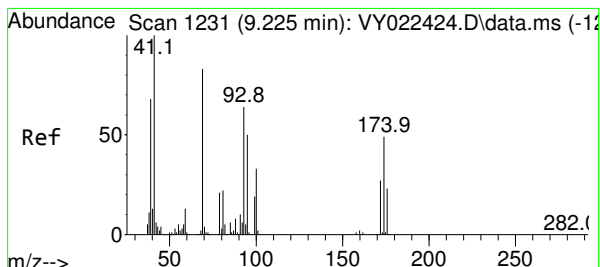
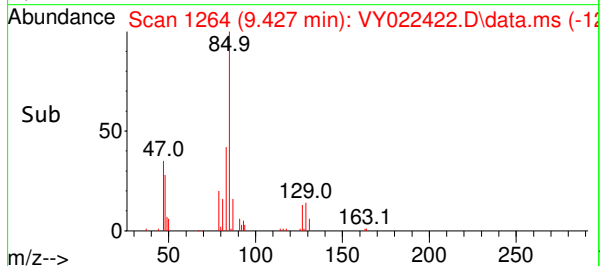
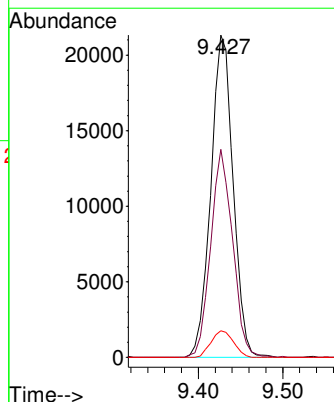
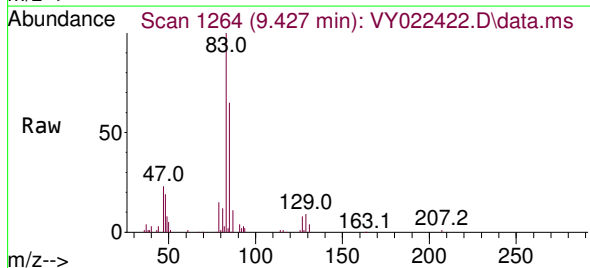
#47
Bromodichloromethane
Concen: 9.620 ug/l
RT: 9.427 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 3920
Ion Ratio Lower Upper
83 100
85 64.6 49.8 74.6
127 8.3 6.6 9.8

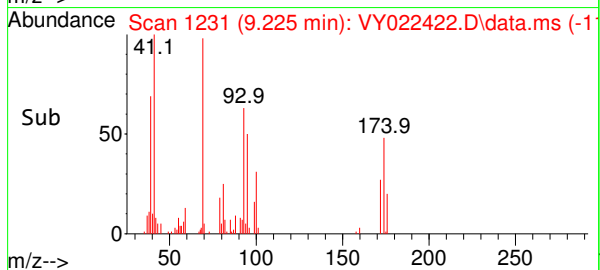
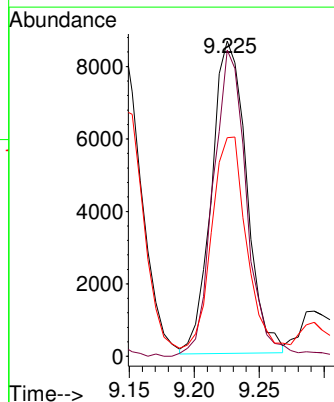
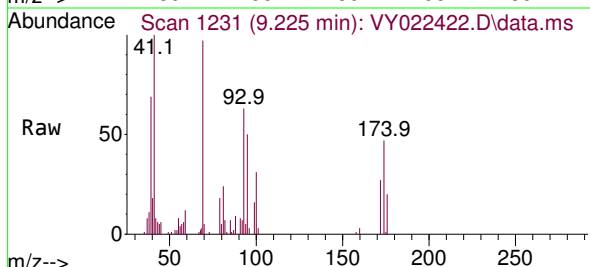
Manual Integrations
APPROVED

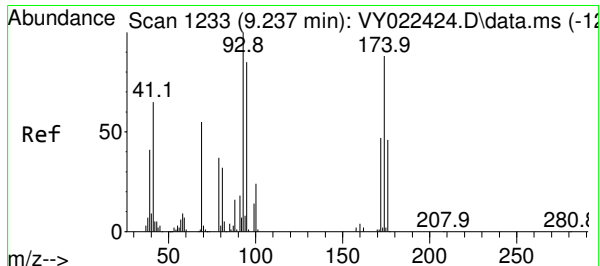
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#48
Methyl methacrylate
Concen: 9.239 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 41 Resp: 16163
Ion Ratio Lower Upper
41 100
69 93.8 70.3 105.5
39 67.0 55.4 83.0





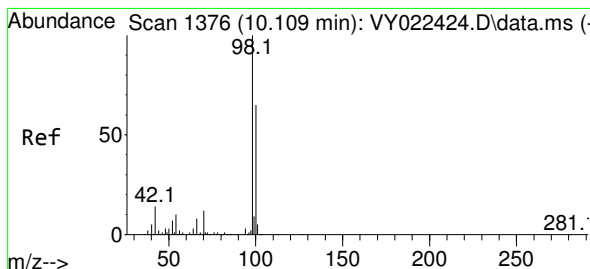
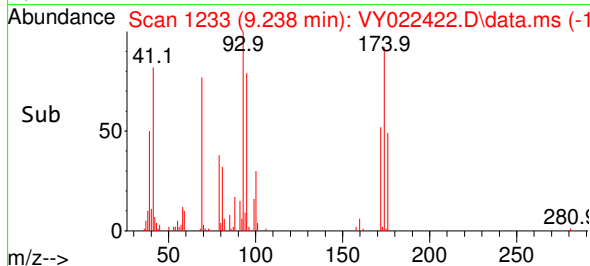
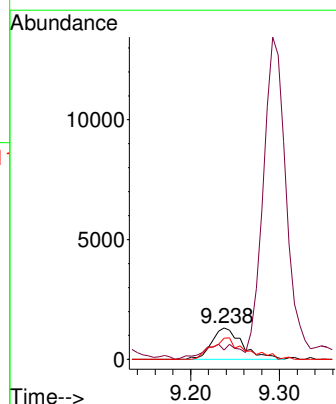
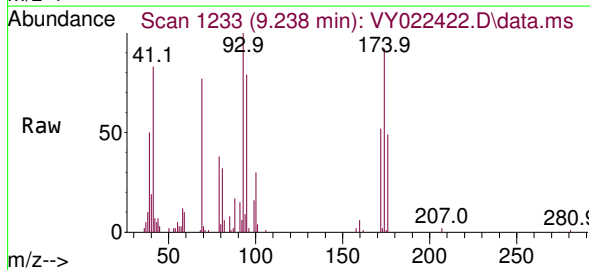
#49
1,4-Dioxane
Concen: 181.086 ug/l
RT: 9.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 88 Resp: 317
Ion Ratio Lower Upper
88 100
43 33.0 26.9 40.3
58 74.4 55.8 83.6

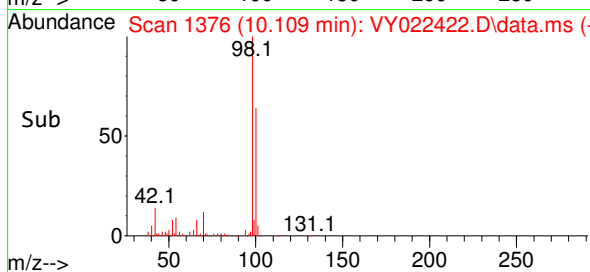
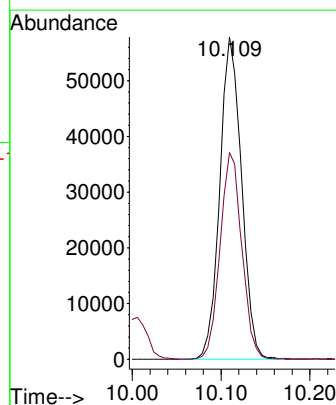
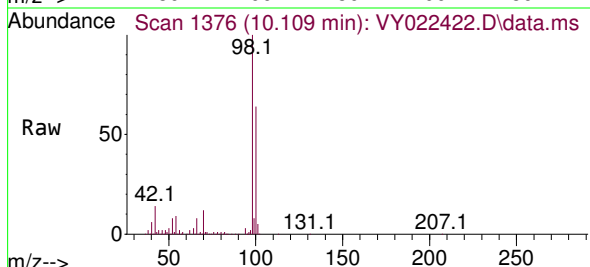
Manual Integrations
APPROVED

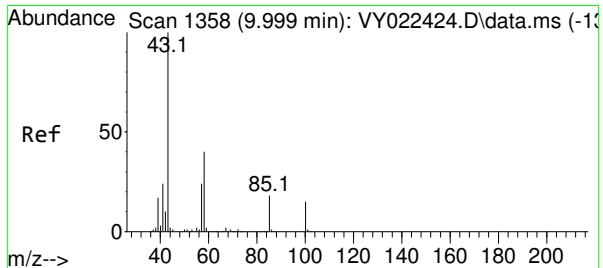
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#50
Toluene-d8
Concen: 9.493 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 98 Resp: 98965
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2





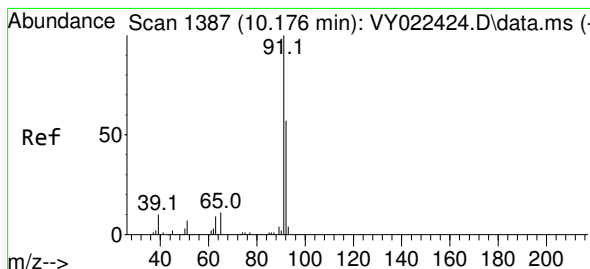
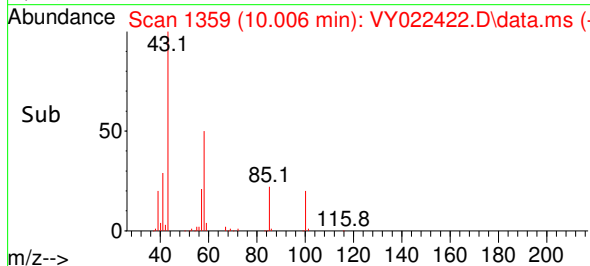
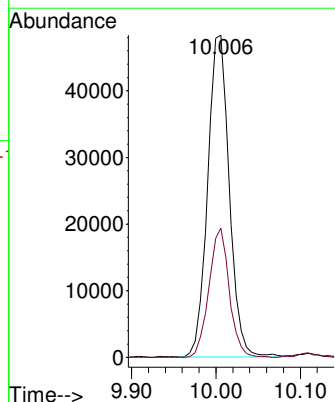
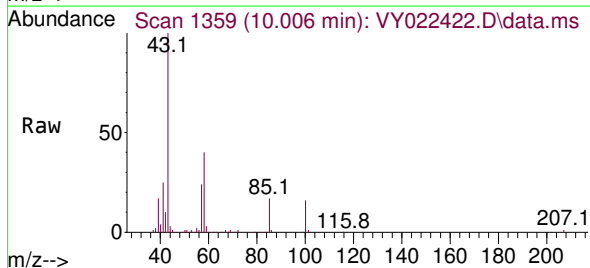
#51
4-Methyl-2-Pentanone
Concen: 46.358 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 8626
Ion Ratio Lower Upper
43 100
58 37.8 31.2 46.8

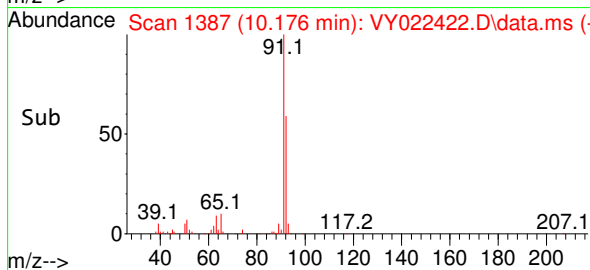
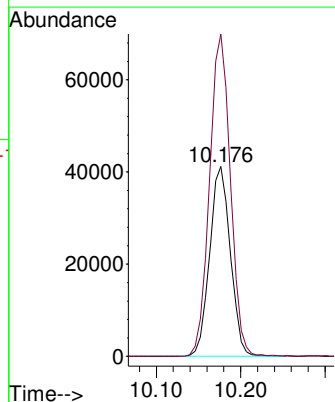
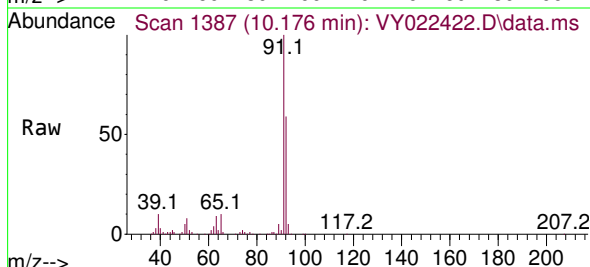
Manual Integrations
APPROVED

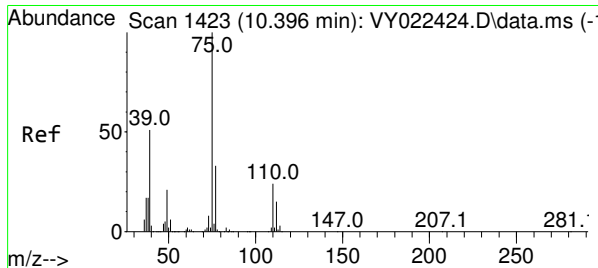
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#52
Toluene
Concen: 9.320 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 92 Resp: 70294
Ion Ratio Lower Upper
92 100
91 171.4 139.8 209.6





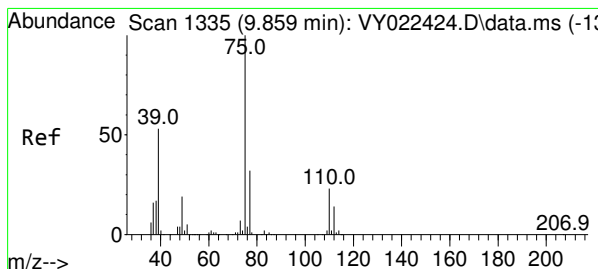
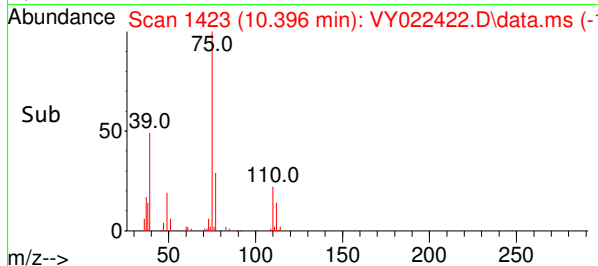
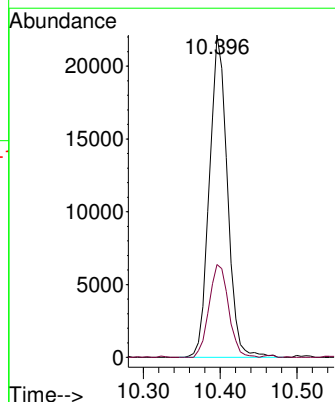
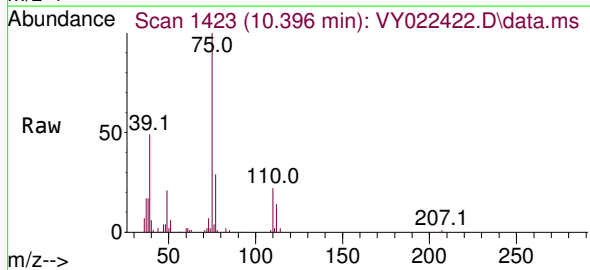
#53
t-1,3-Dichloropropene
Concen: 9.528 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 3617
Ion Ratio Lower Upper
75 100
77 28.8 26.2 39.2

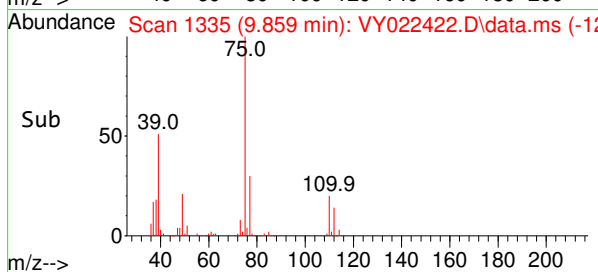
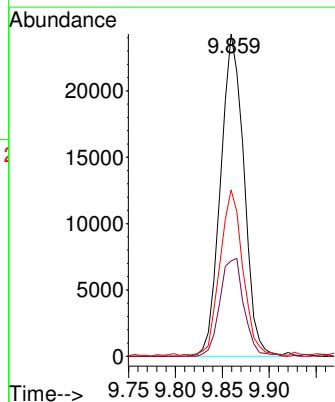
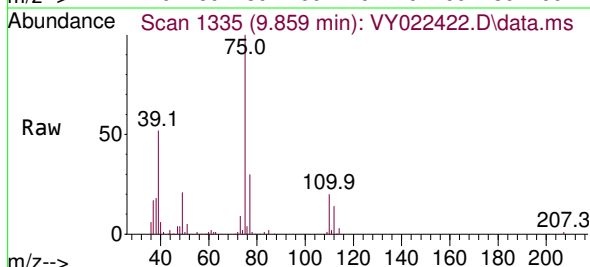
Manual Integrations
APPROVED

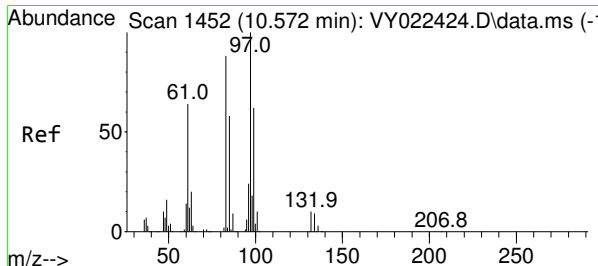
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#54
cis-1,3-Dichloropropene
Concen: 9.403 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 75 Resp: 41945
Ion Ratio Lower Upper
75 100
77 29.6 25.4 38.2
39 51.3 42.5 63.7





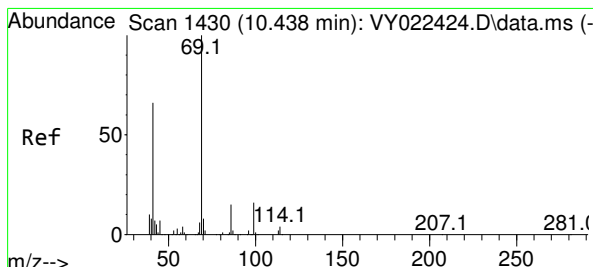
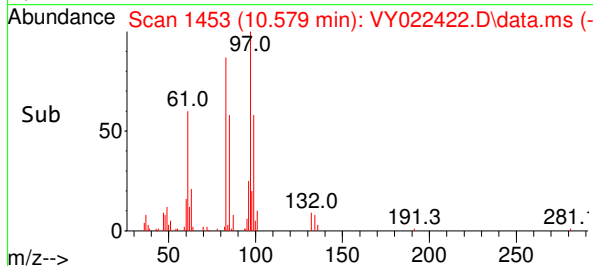
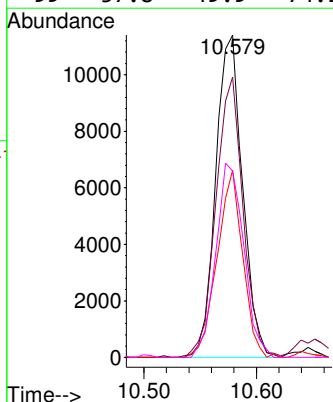
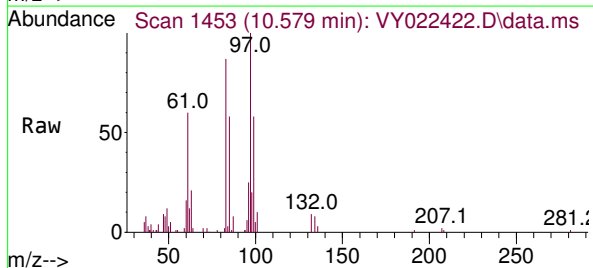
#55
1,1,2-Trichloroethane
Concen: 9.423 ug/l
RT: 10.579 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:	97	Resp:	1888
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.2	105.4
85	58.0	46.1	69.1
99	57.8	49.9	74.9

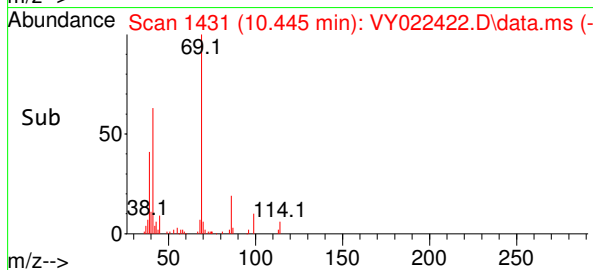
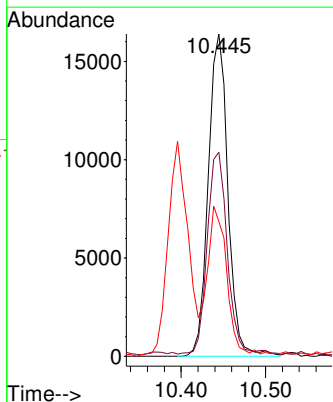
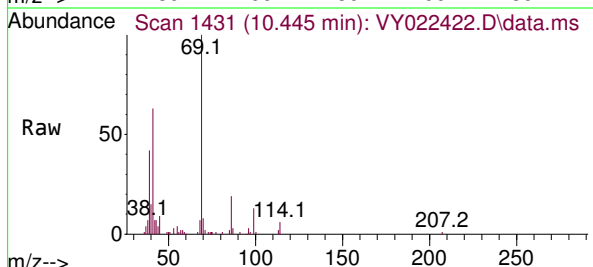
Manual Integrations
APPROVED

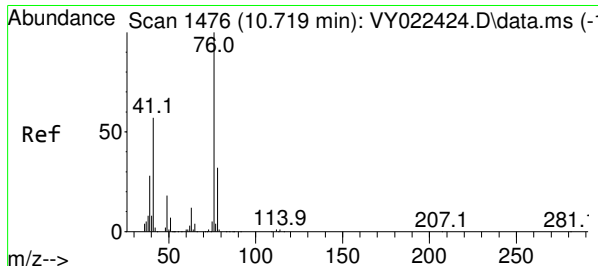
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#56
Ethyl methacrylate
Concen: 9.270 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:	69	Resp:	26658
Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.2	76.8
39	44.7	35.2	52.8





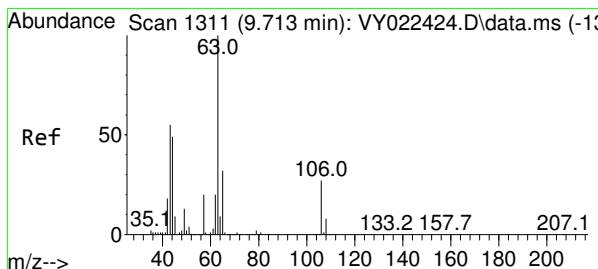
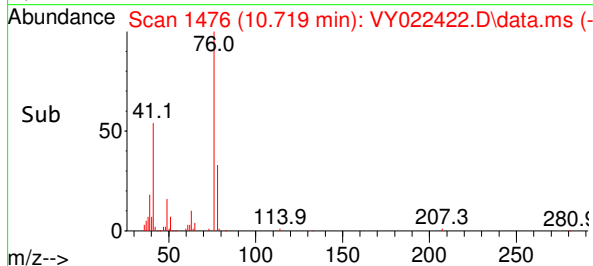
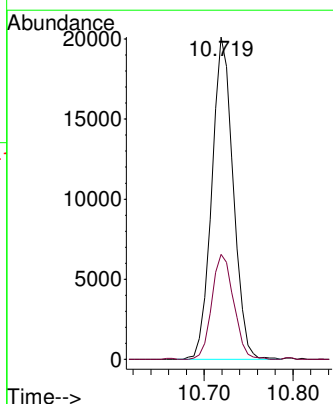
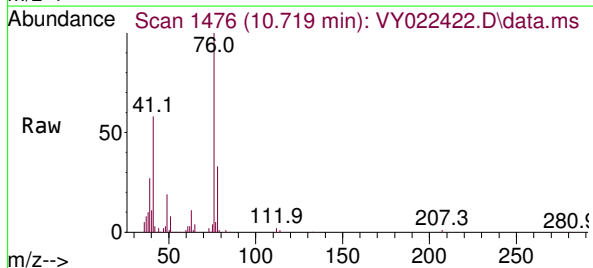
#57
1,3-Dichloropropane
Concen: 9.587 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 3385
Ion Ratio Lower Upper
76 100
78 33.3 25.8 38.8

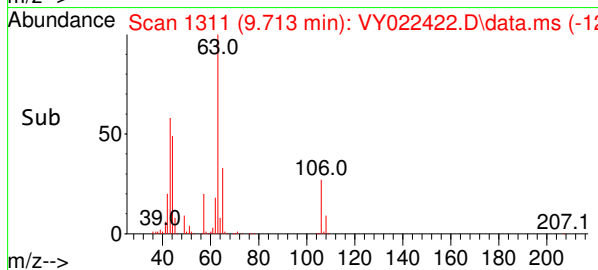
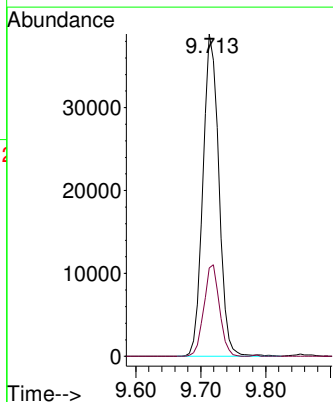
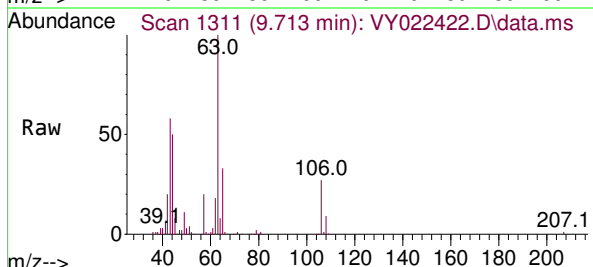
Manual Integrations
APPROVED

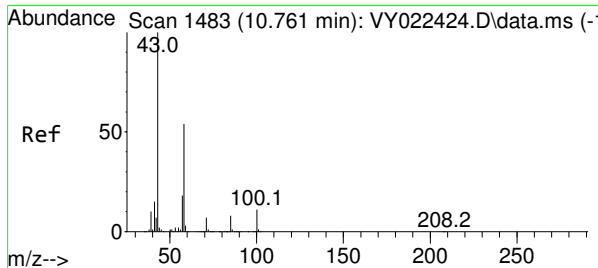
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 46.196 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 63 Resp: 66205
Ion Ratio Lower Upper
63 100
106 27.7 22.2 33.2





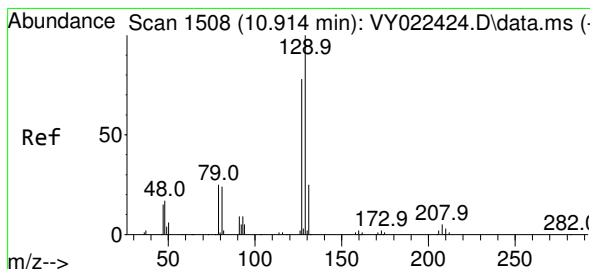
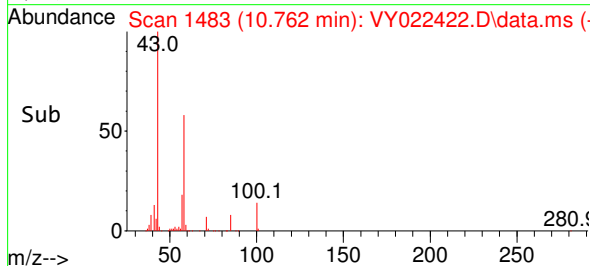
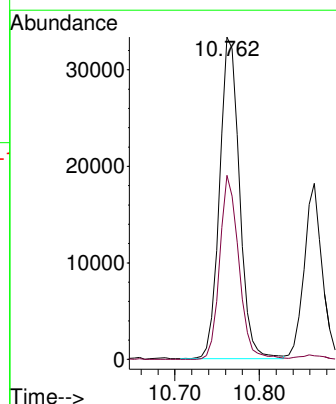
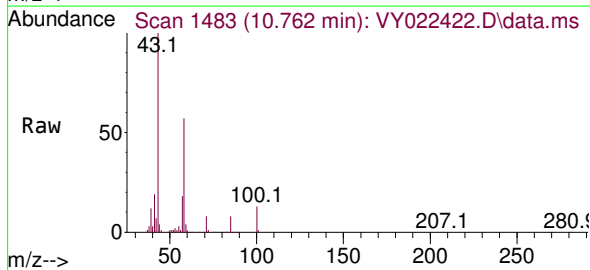
#59
2-Hexanone
Concen: 44.963 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 5479
Ion Ratio Lower Upper
43 100
58 55.0 27.1 81.2

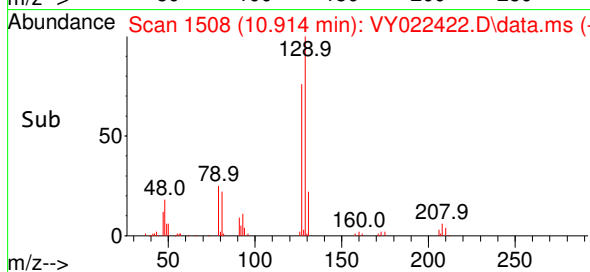
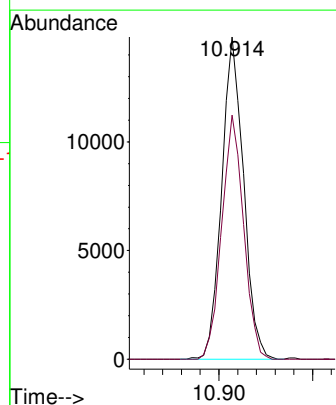
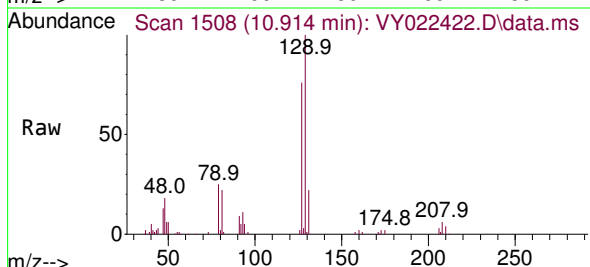
Manual Integrations
APPROVED

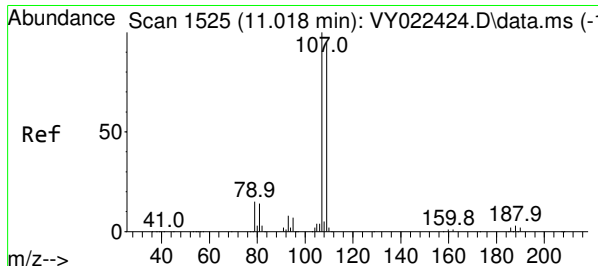
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#60
Dibromochloromethane
Concen: 9.340 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:129 Resp: 23908
Ion Ratio Lower Upper
129 100
127 75.7 38.3 114.8





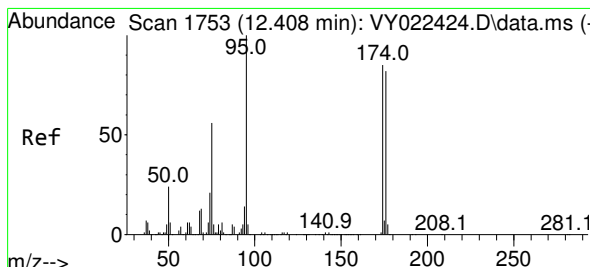
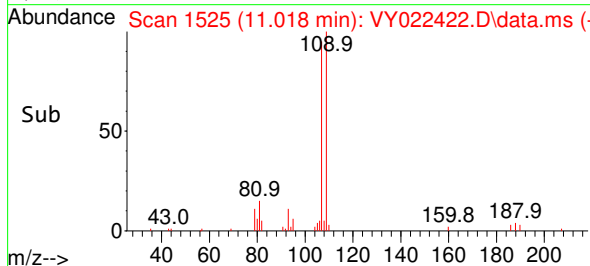
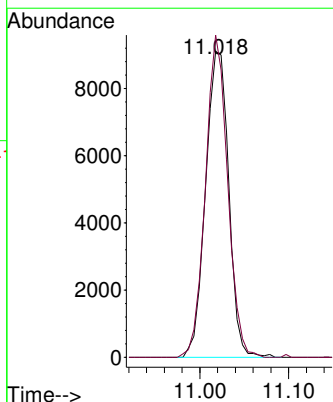
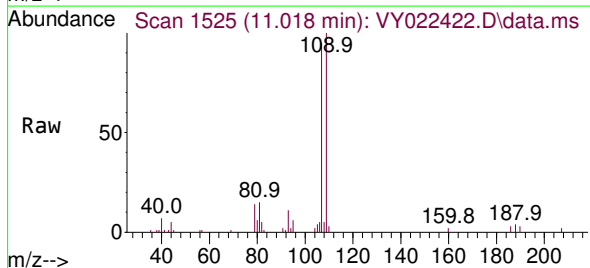
#61
1,2-Dibromoethane
Concen: 9.016 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 107 Resp: 1652
Ion Ratio Lower Upper
107 100
109 101.1 74.0 111.0

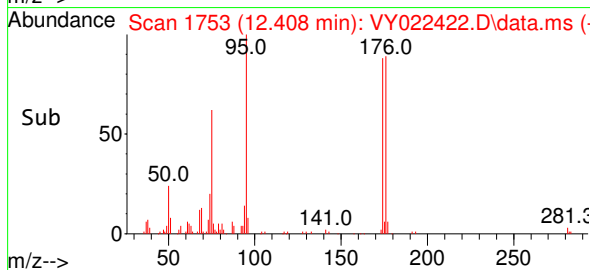
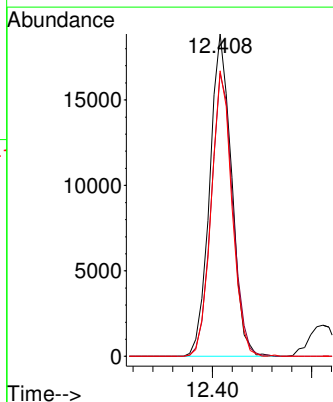
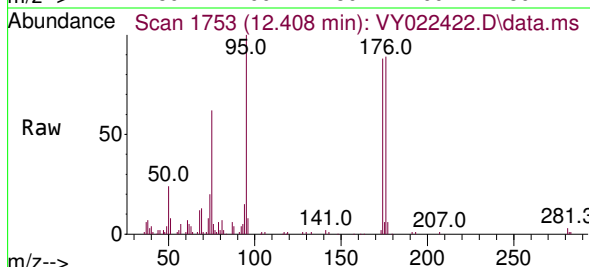
Manual Integrations
APPROVED

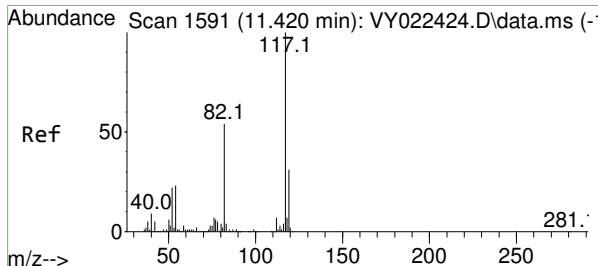
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#62
4-Bromofluorobenzene
Concen: 9.163 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 95 Resp: 28894
Ion Ratio Lower Upper
95 100
174 86.7 0.0 171.6
176 84.0 0.0 164.6





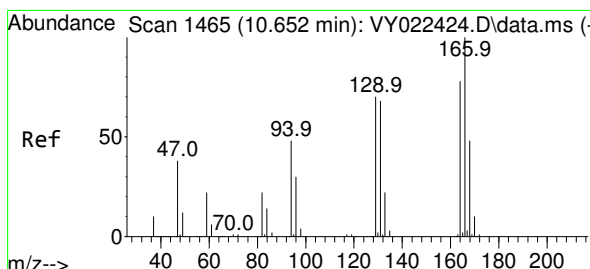
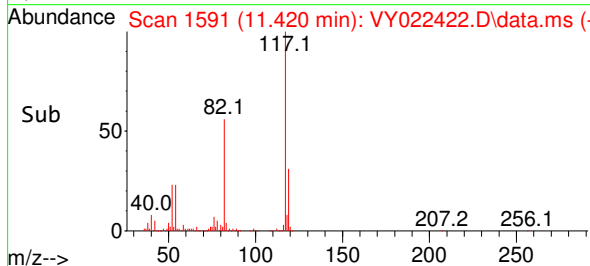
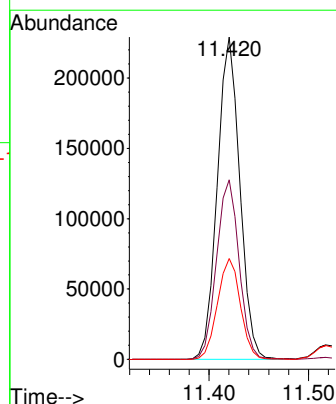
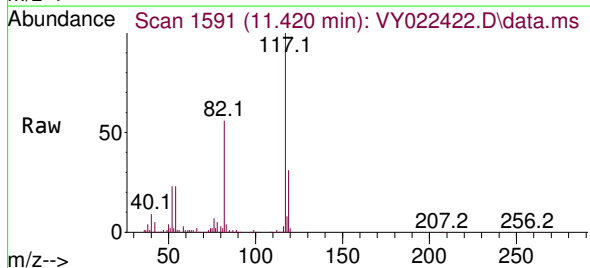
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 36268
Ion Ratio Lower Upper
117 100
82 55.7 43.3 64.9
119 31.3 24.5 36.7

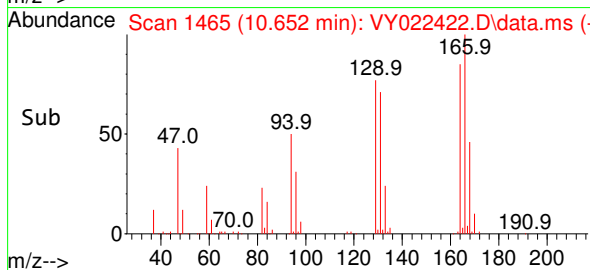
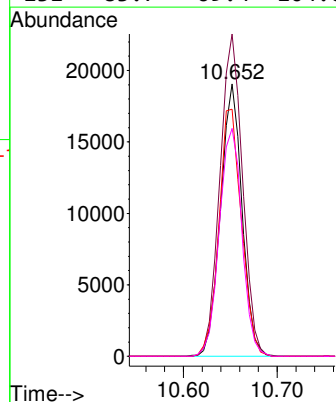
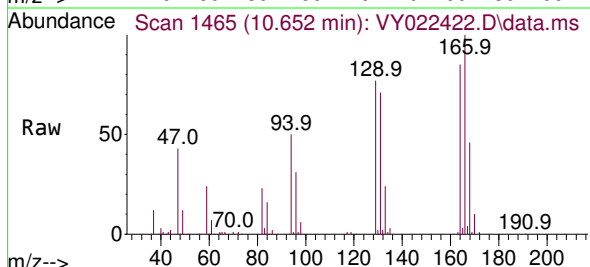
Manual Integrations
APPROVED

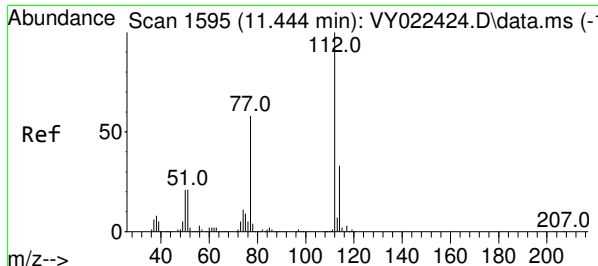
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#64
Tetrachloroethene
Concen: 9.789 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:164 Resp: 30237
Ion Ratio Lower Upper
164 100
166 118.3 102.0 153.0
129 90.7 71.3 106.9
131 83.7 69.4 104.0





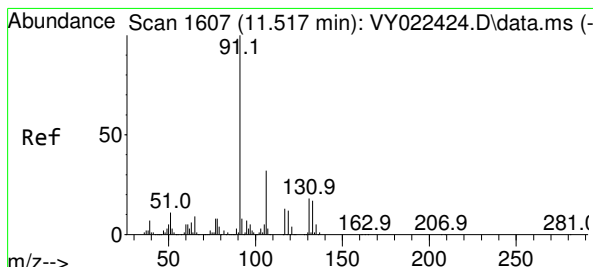
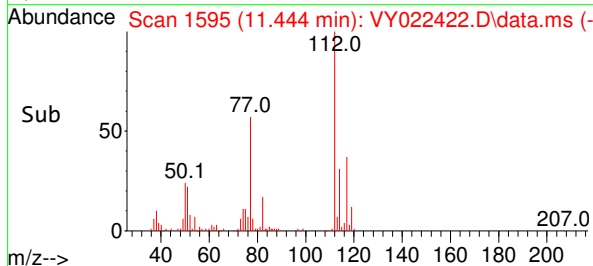
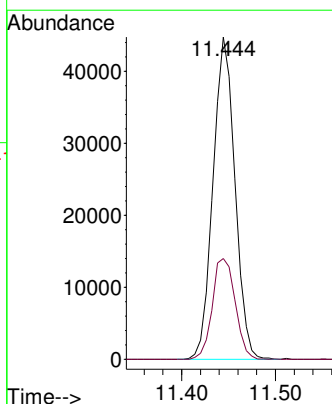
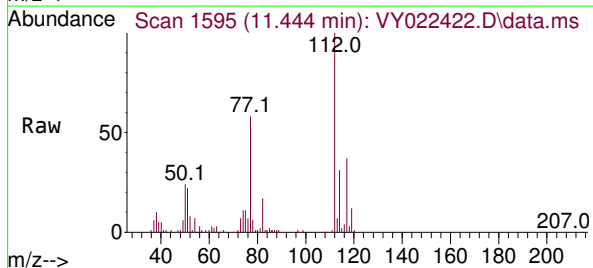
#65
Chlorobenzene
Concen: 9.376 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 7256
Ion Ratio Lower Upper
112 100
114 31.3 26.1 39.1

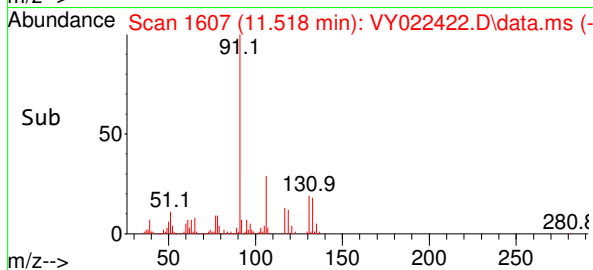
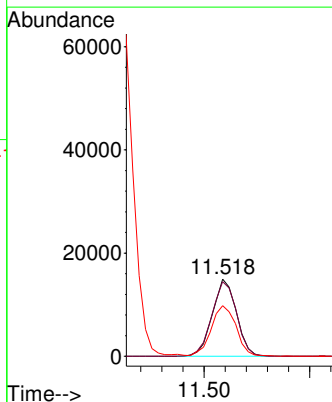
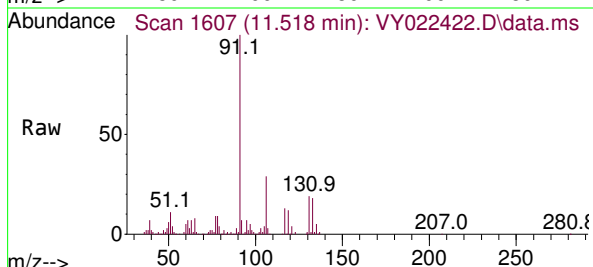
Manual Integrations
APPROVED

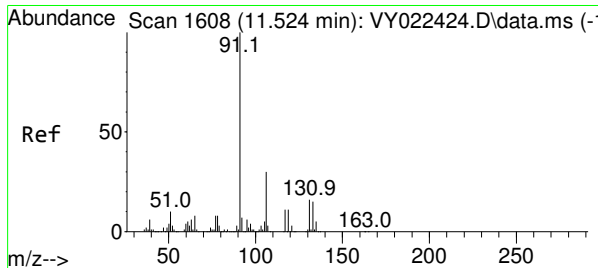
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 9.080 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:131 Resp: 23791
Ion Ratio Lower Upper
131 100
133 99.8 46.6 139.8
119 68.1 33.3 99.8





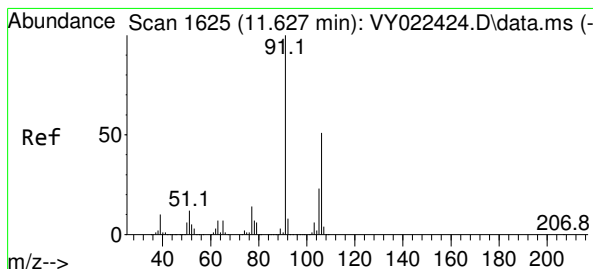
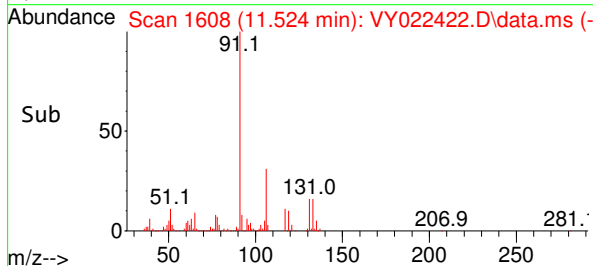
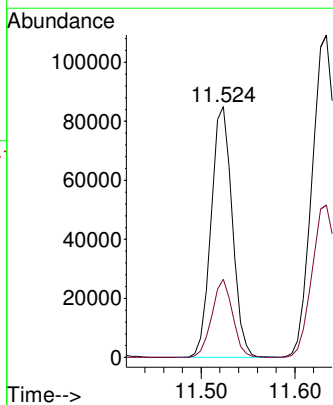
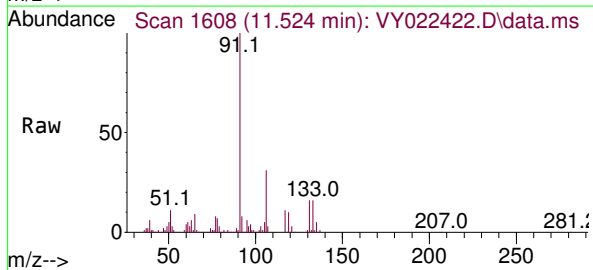
#67
Ethyl Benzene
Concen: 9.236 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 13262
Ion Ratio Lower Upper
91 100
106 31.1 24.4 36.6

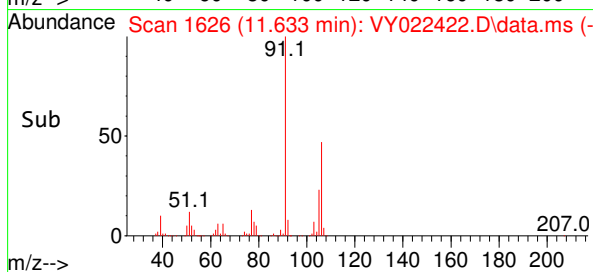
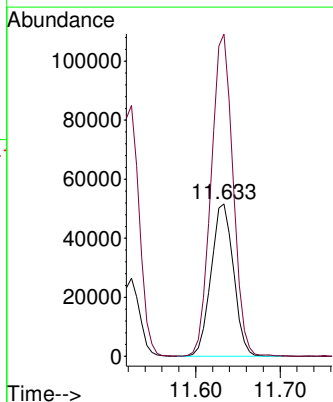
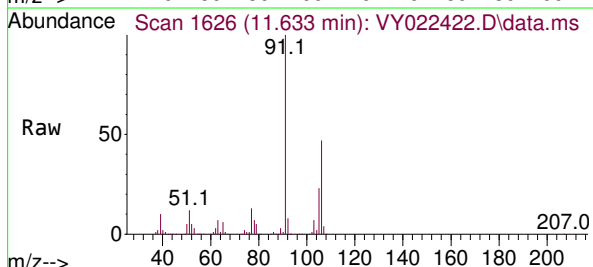
Manual Integrations
APPROVED

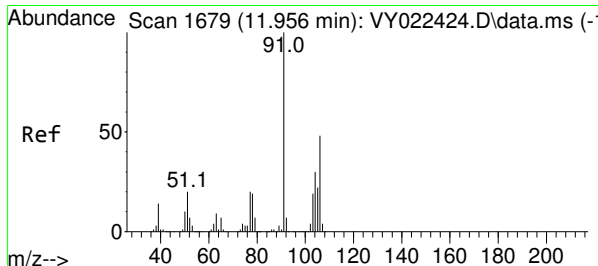
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#68
m/p-Xylenes
Concen: 17.586 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:106 Resp: 95743
Ion Ratio Lower Upper
106 100
91 207.2 159.8 239.8





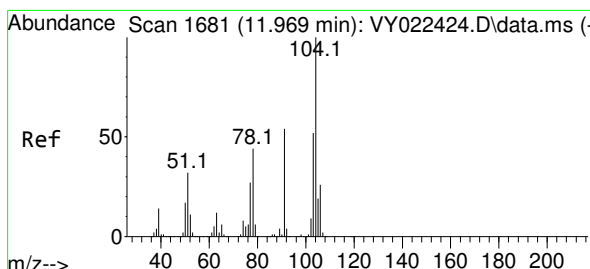
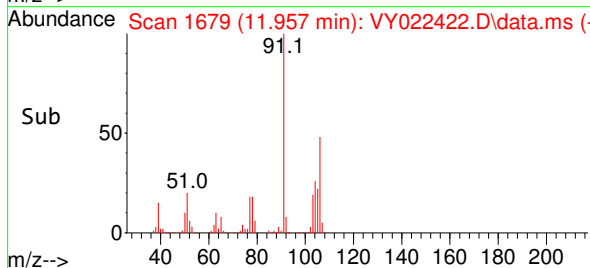
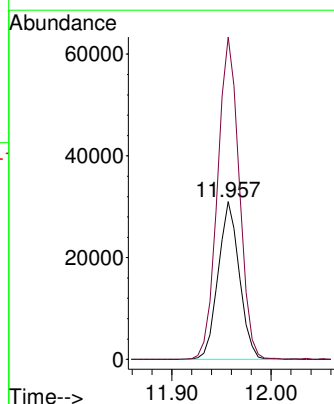
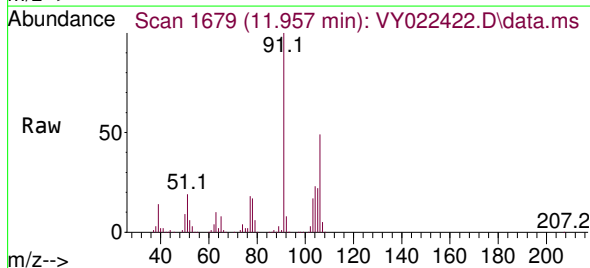
#69
o-Xylene
Concen: 9.028 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 4619
Ion Ratio Lower Upper
106 100
91 209.9 106.3 318.9

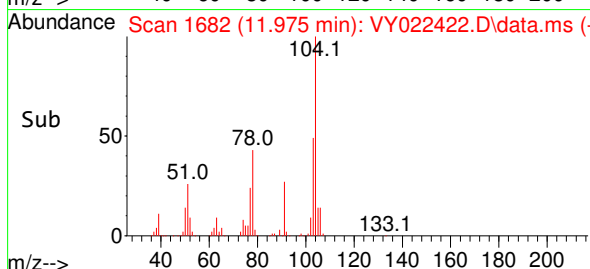
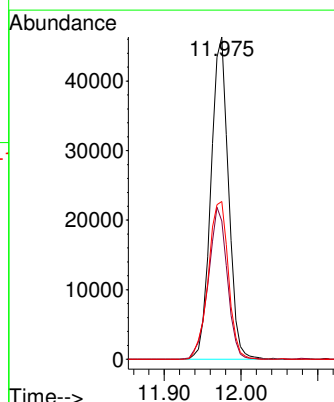
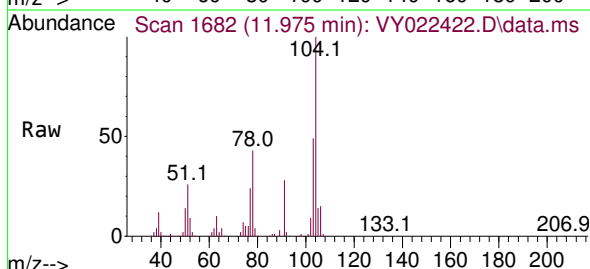
Manual Integrations
APPROVED

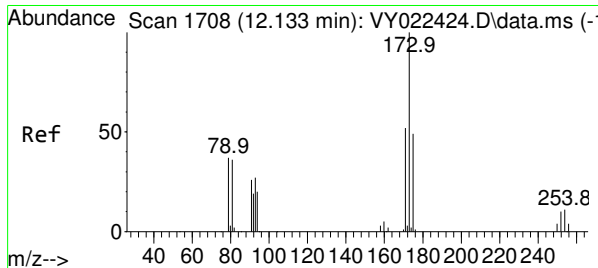
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#70
Styrene
Concen: 8.685 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:104 Resp: 73993
Ion Ratio Lower Upper
104 100
78 50.8 38.8 58.2
103 55.9 43.4 65.2





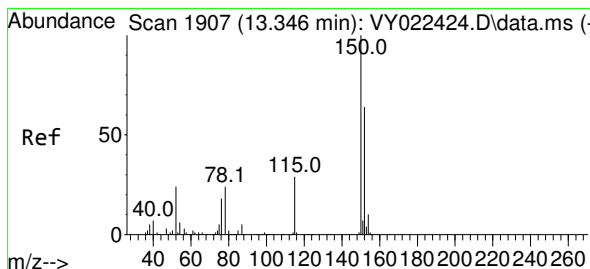
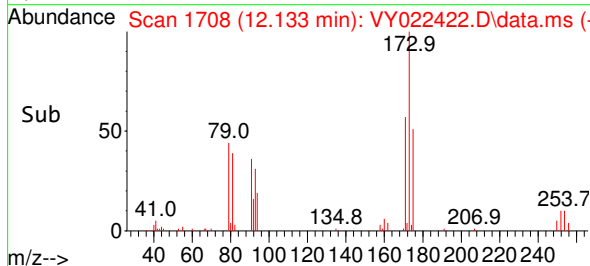
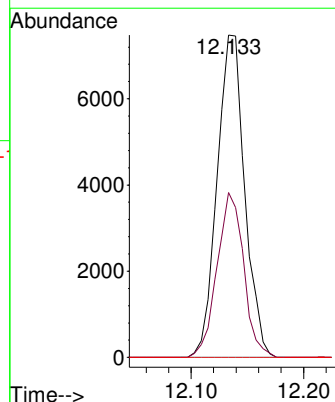
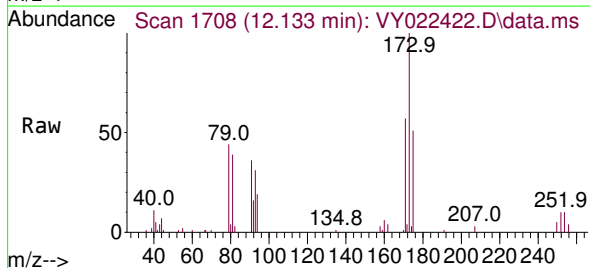
#71
Bromoform
Concen: 9.287 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt	Ion	Ratio	Lower	Upper
173	100			
175	49.3	24.3	73.0	
254	0.0	0.1	0.1	

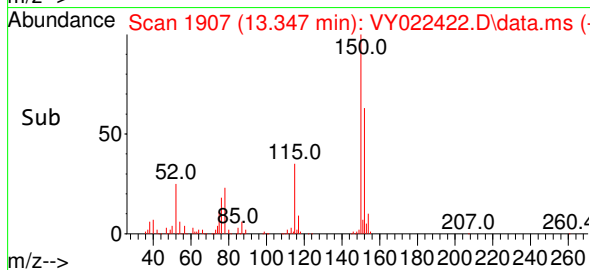
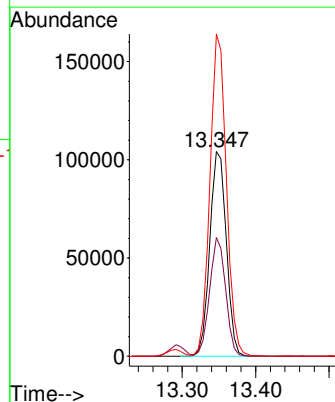
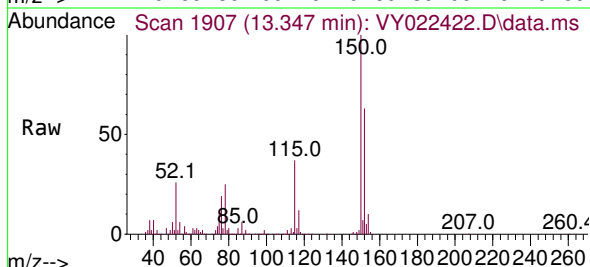
Manual Integrations
APPROVED

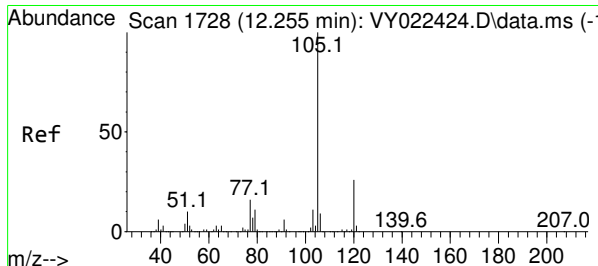
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt	Ion	Ratio	Lower	Upper
152	100			
115	56.0	28.4	85.3	
150	155.9	0.0	345.8	





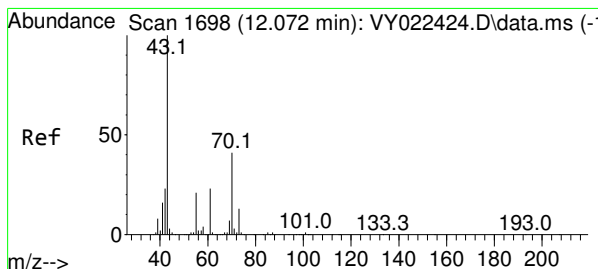
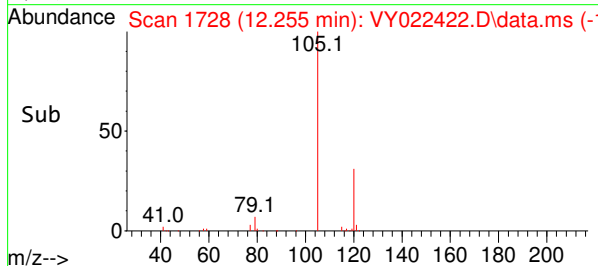
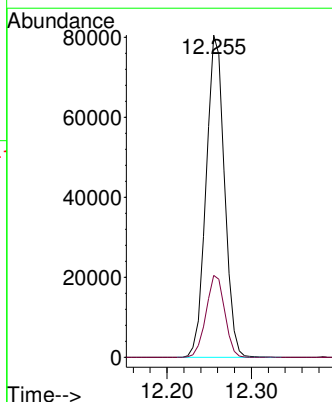
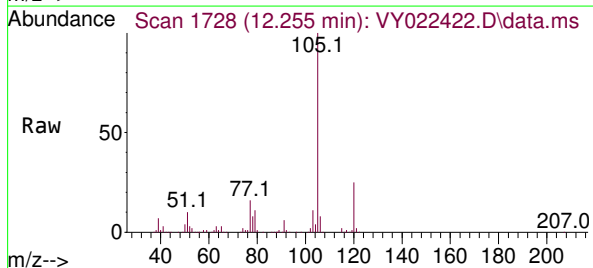
#73
Isopropylbenzene
Concen: 9.507 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 105 Resp: 12196
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5

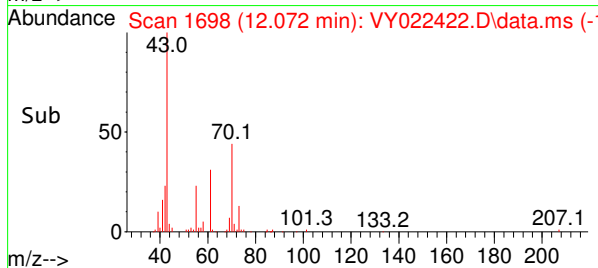
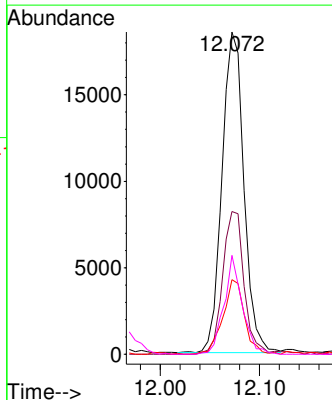
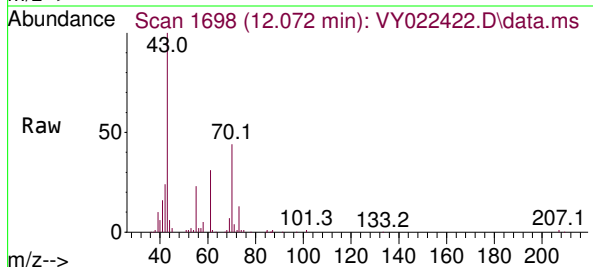
Manual Integrations
APPROVED

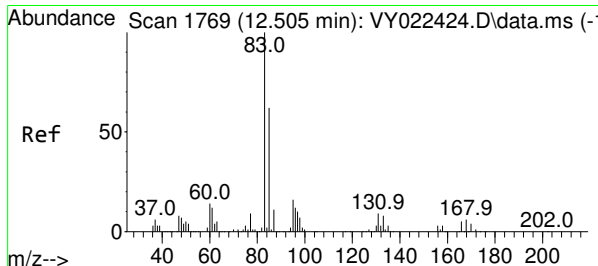
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#74
N-ethyl acetate
Concen: 9.114 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 43 Resp: 28607
Ion Ratio Lower Upper
43 100
70 44.1 33.0 49.4
55 22.9 17.5 26.3
61 25.9 19.0 28.6





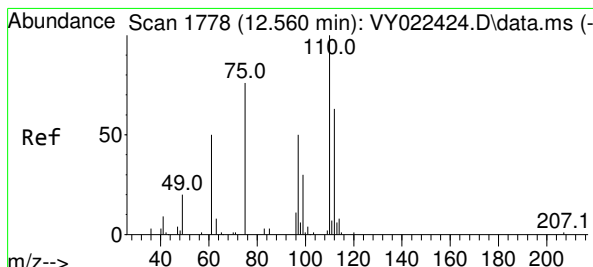
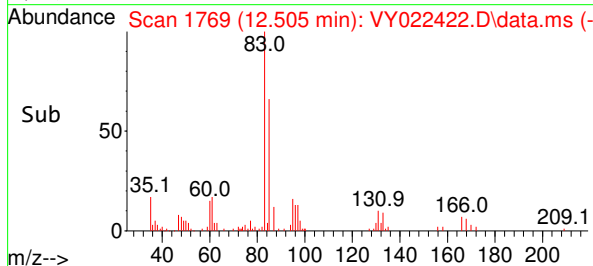
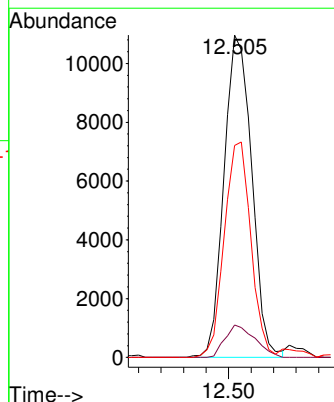
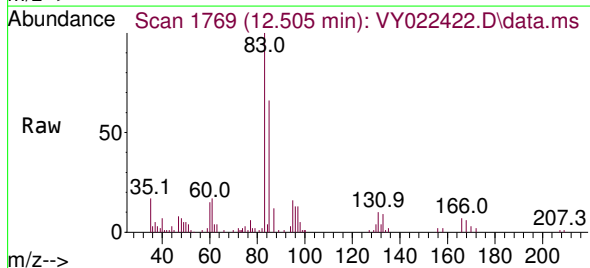
#75
1,1,2,2-Tetrachloroethane
Concen: 9.262 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.8	14.4
85	64.1	32.0	96.2

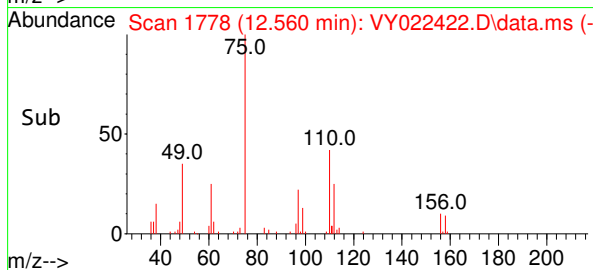
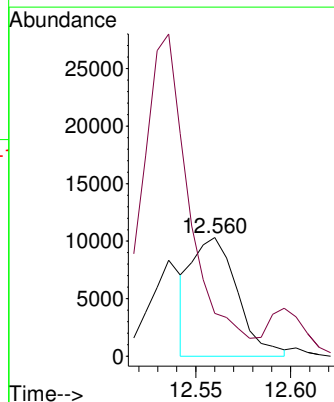
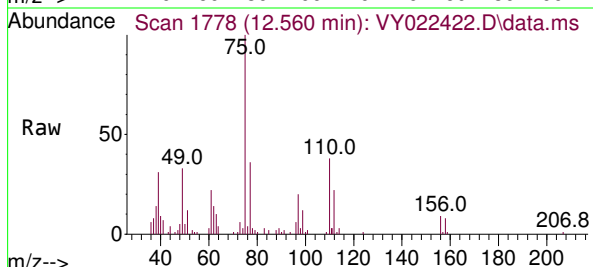
Manual Integrations
APPROVED

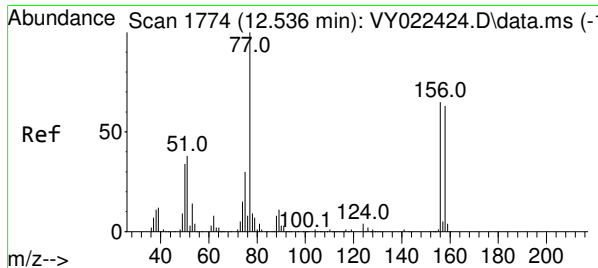
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#76
1,2,3-Trichloropropane
Concen: 6.404 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





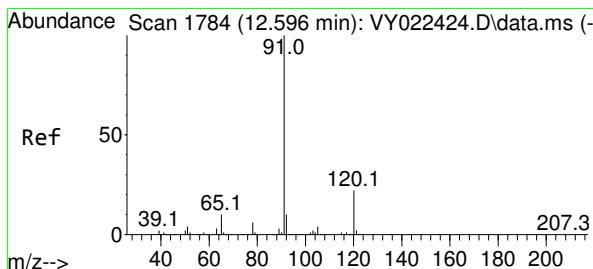
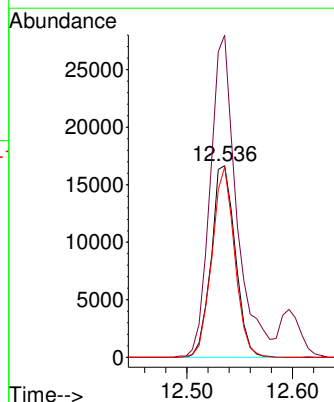
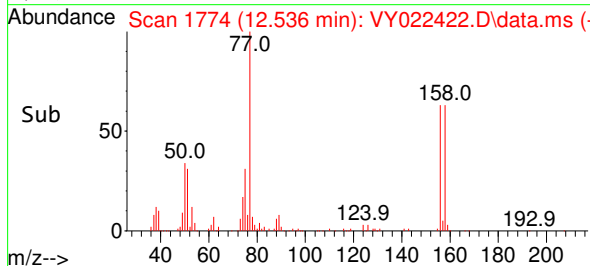
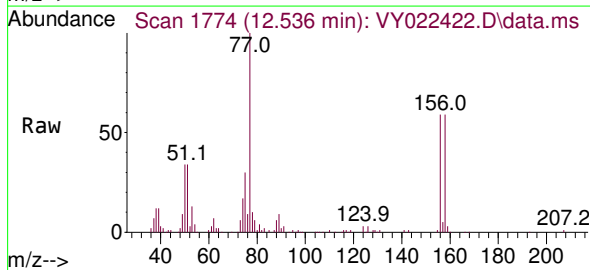
#77
Bromobenzene
Concen: 9.584 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:156 Resp: 2645
Ion Ratio Lower Upper
156 100
77 184.0 91.4 274.2
158 94.1 48.1 144.3

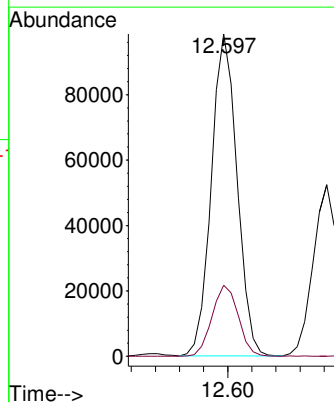
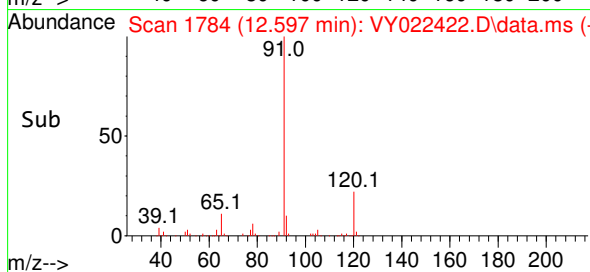
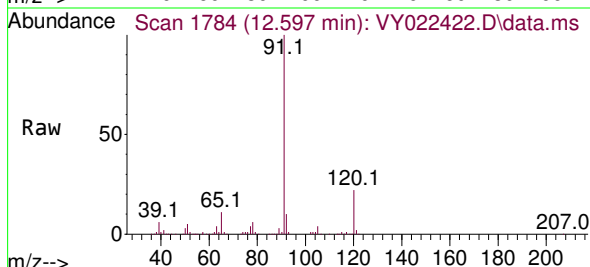
Manual Integrations
APPROVED

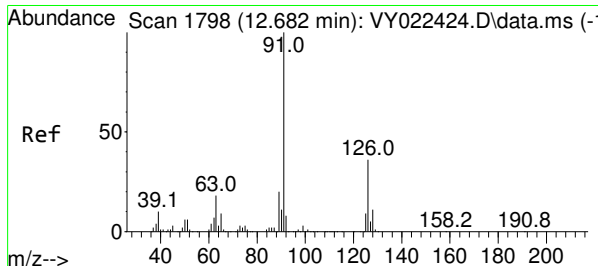
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#78
n-propylbenzene
Concen: 9.459 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 91 Resp: 145616
Ion Ratio Lower Upper
91 100
120 22.5 11.2 33.5





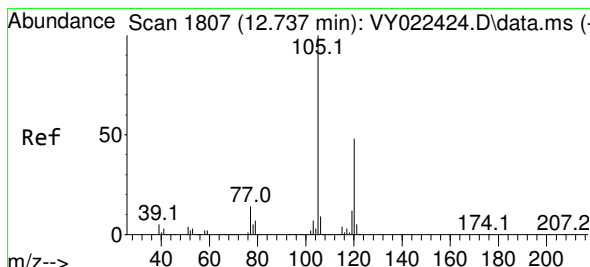
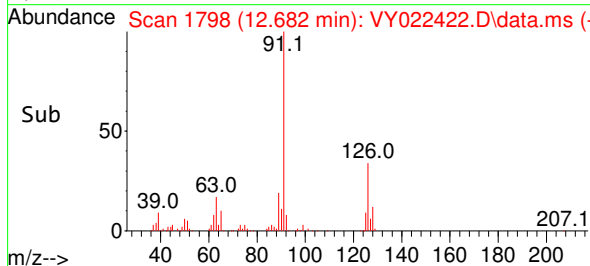
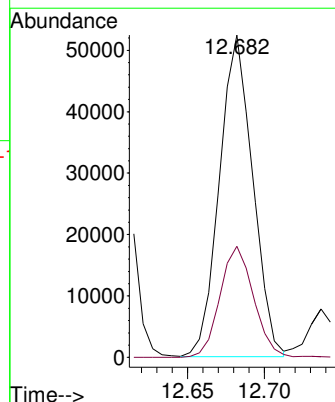
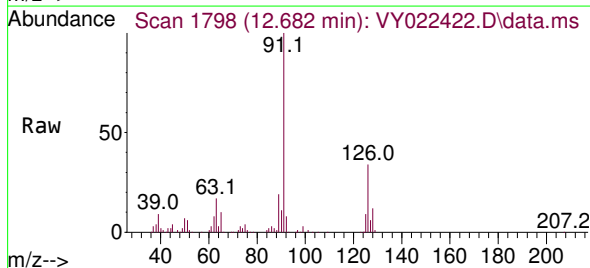
#79
2-Chlorotoluene
Concen: 9.488 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 7907
Ion Ratio Lower Upper
91 100
126 34.9 17.4 52.3

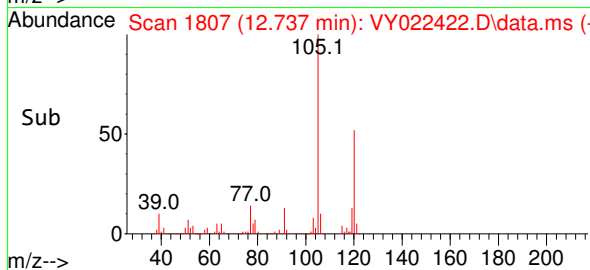
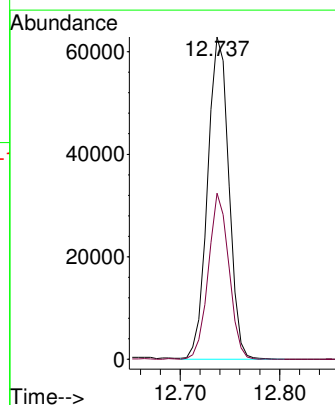
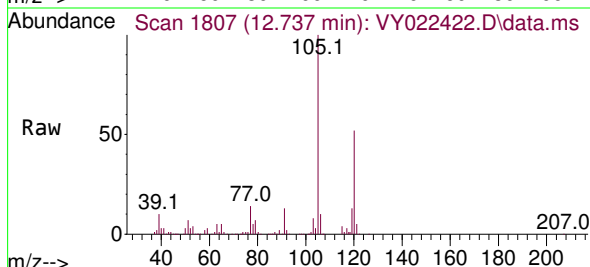
Manual Integrations
APPROVED

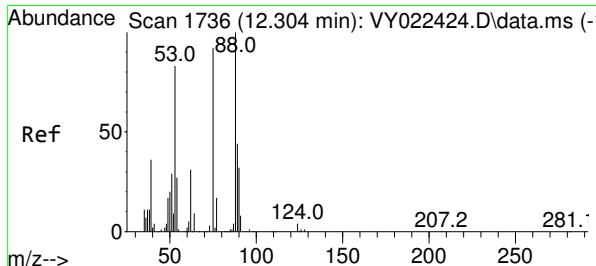
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 9.334 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:105 Resp: 93557
Ion Ratio Lower Upper
105 100
120 49.8 24.3 73.0





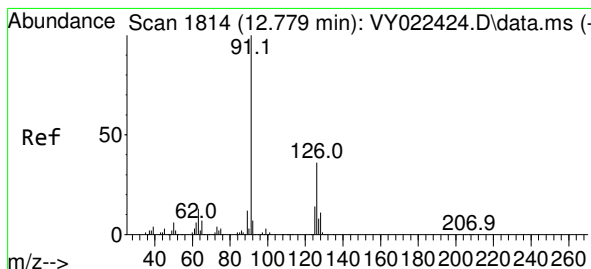
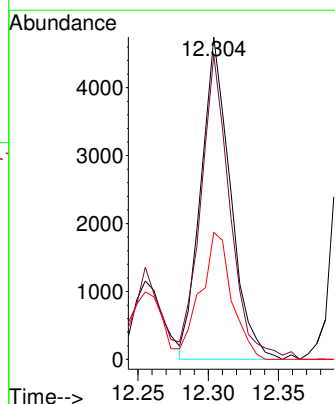
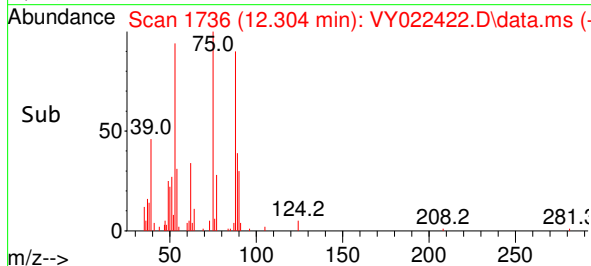
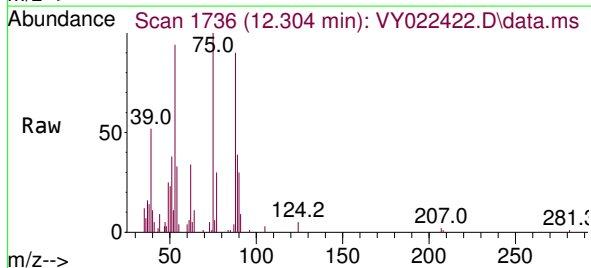
#81
trans-1,4-Dichloro-2-butene
Concen: 9.601 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.5	75.1	112.7
89	41.5	37.4	56.0

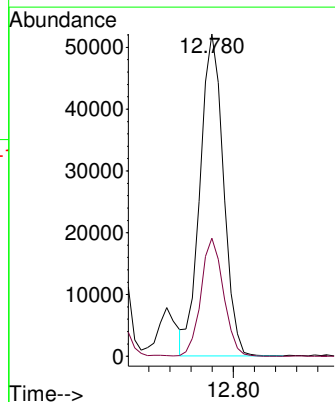
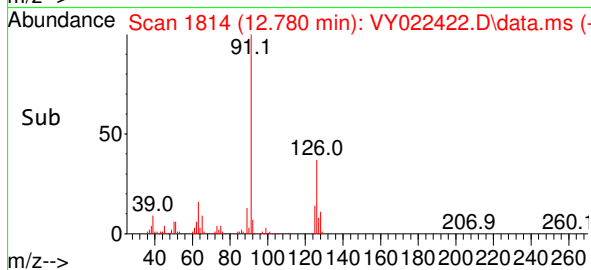
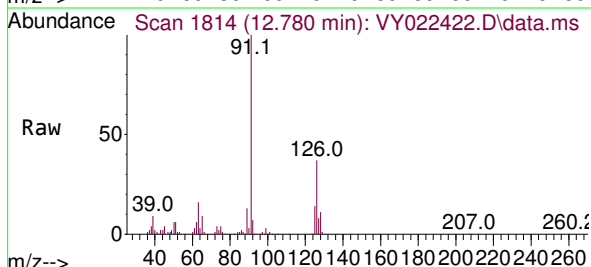
Manual Integrations
APPROVED

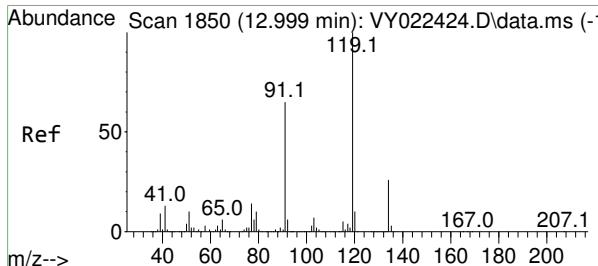
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#82
4-Chlorotoluene
Concen: 9.356 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.2	51.6





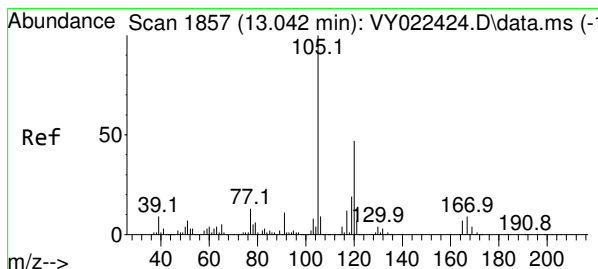
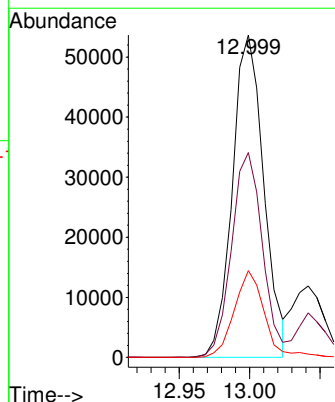
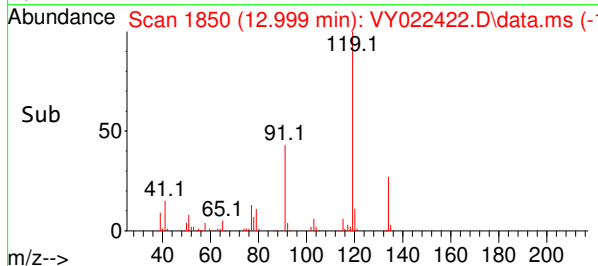
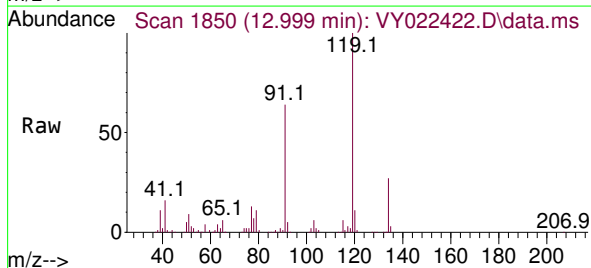
#83
tert-Butylbenzene
Concen: 9.216 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.4	31.8	95.3
134	26.0	13.0	38.9

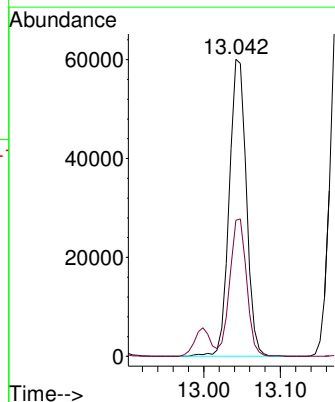
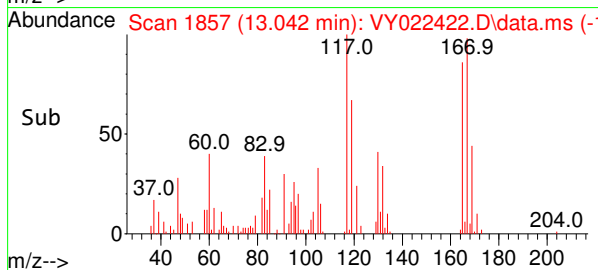
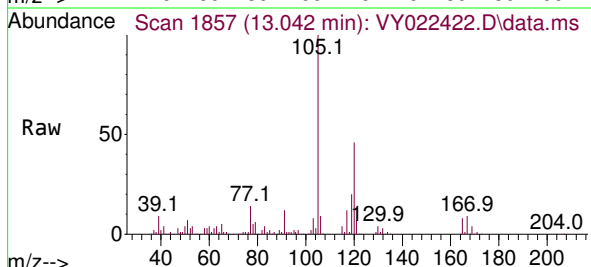
Manual Integrations
APPROVED

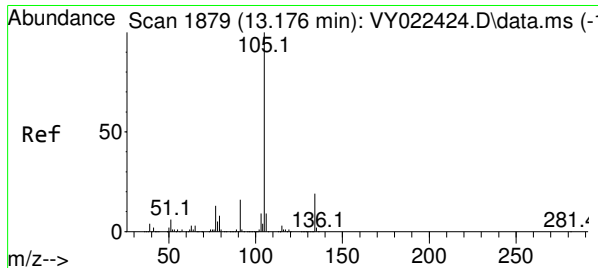
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 9.230 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.5





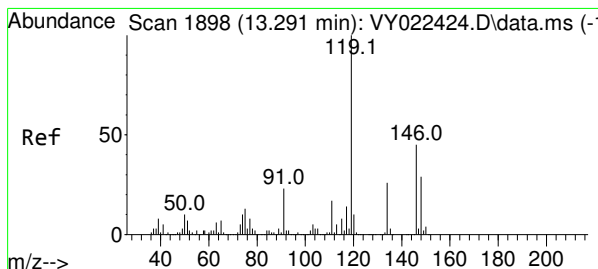
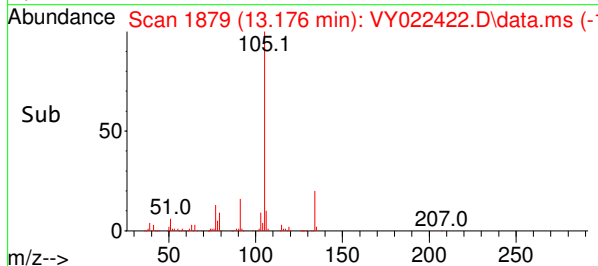
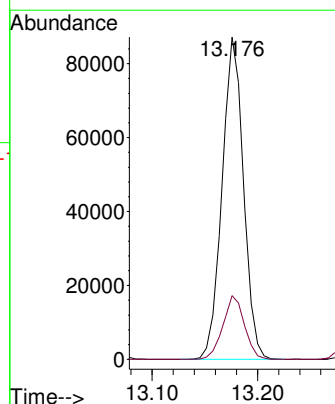
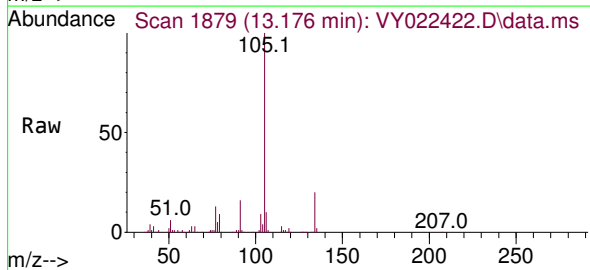
#85
sec-Butylbenzene
Concen: 9.191 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 12343
Ion Ratio Lower Upper
105 100
134 19.9 9.7 29.1

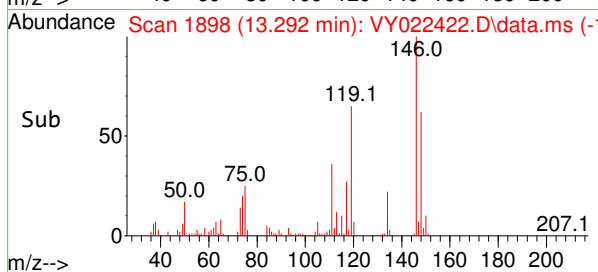
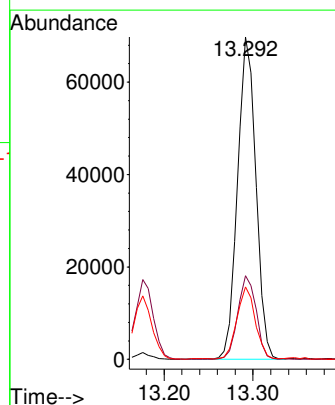
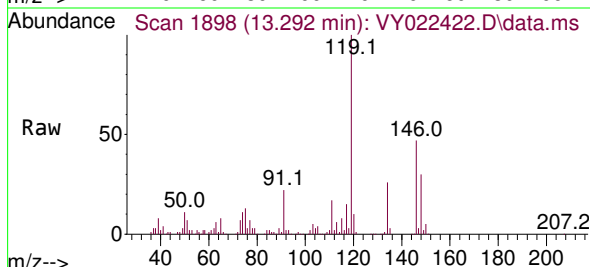
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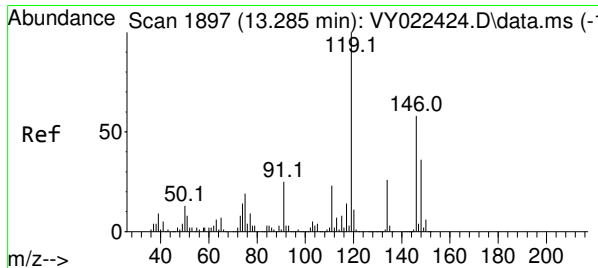
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#86
p-Isopropyltoluene
Concen: 8.932 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:119 Resp: 100168
Ion Ratio Lower Upper
119 100
134 25.9 13.0 39.0
91 22.3 11.6 34.8





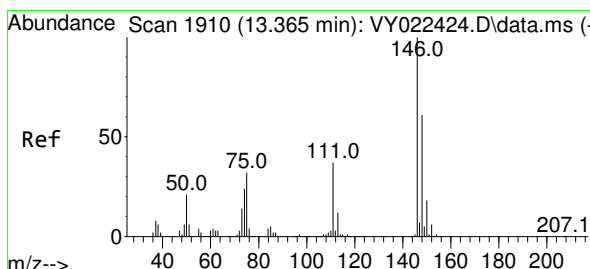
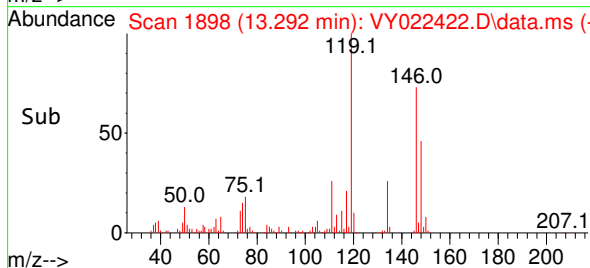
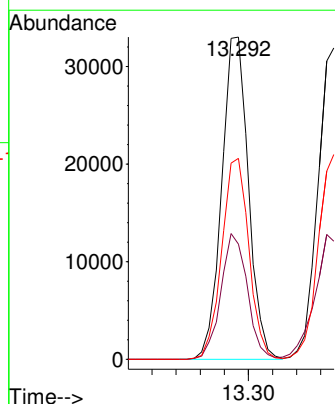
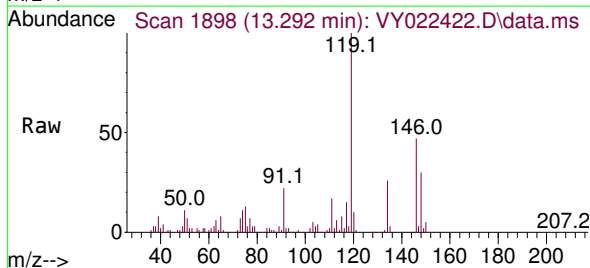
#87
1,3-Dichlorobenzene
Concen: 9.144 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:	146	Resp:	5079
Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.8
148	63.4	31.7	95.1

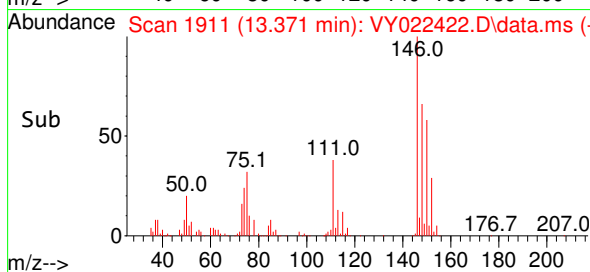
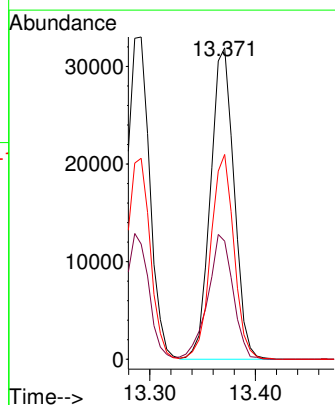
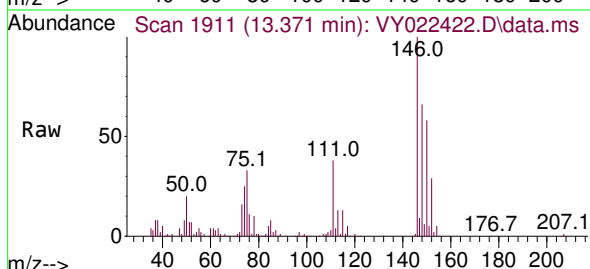
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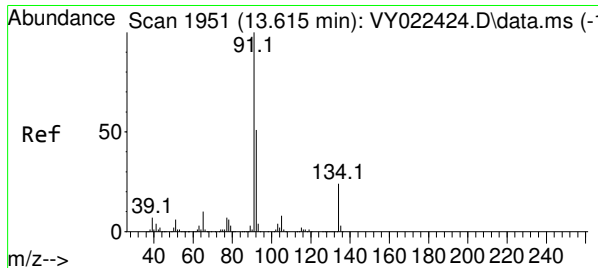
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#88
1,4-Dichlorobenzene
Concen: 9.372 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:	146	Resp:	49773
Ion	Ratio	Lower	Upper
146	100		
111	42.9	18.7	56.1
148	64.9	31.4	94.3





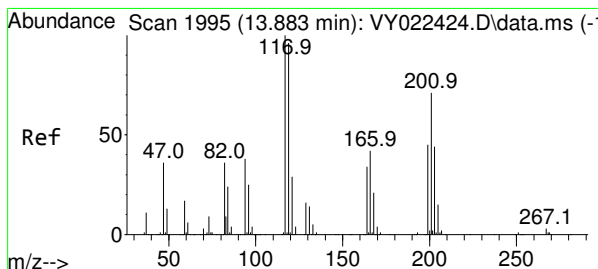
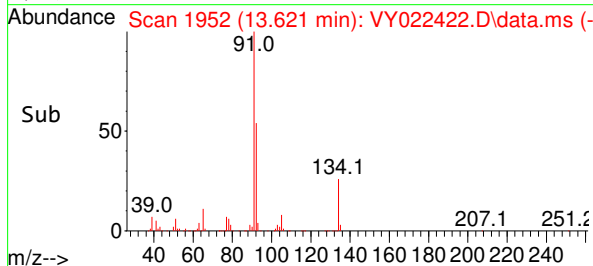
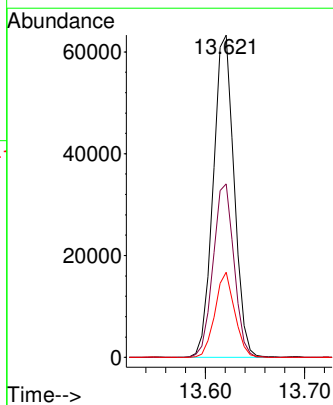
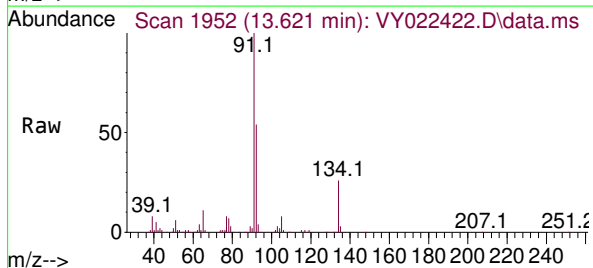
#89
n-Butylbenzene
Concen: 8.847 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:	91	Resp:	9302
Ion	Ratio	Lower	Upper
91	100		
92	53.9	25.9	77.6
134	25.0	12.4	37.6

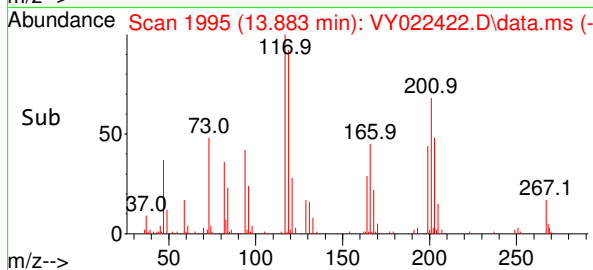
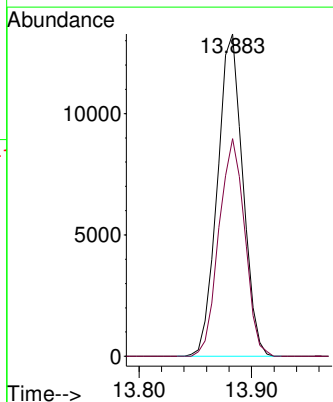
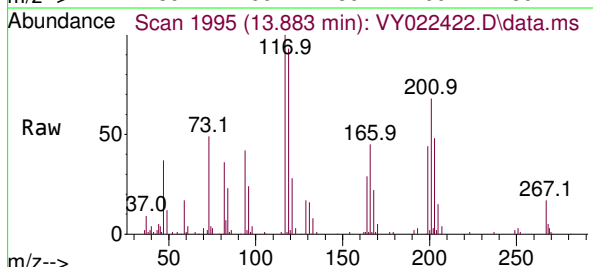
Manual Integrations
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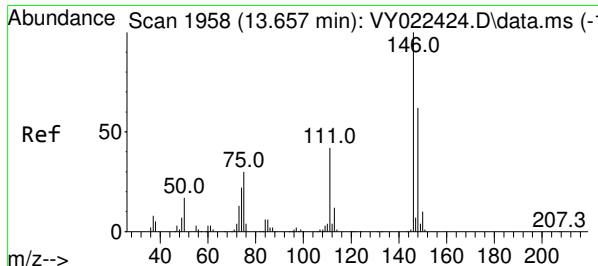
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#90
Hexachloroethane
Concen: 9.310 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:	117	Resp:	20778
Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.0	105.0





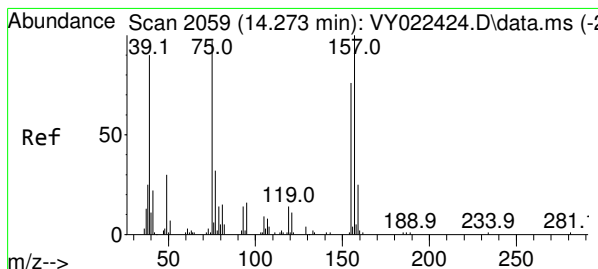
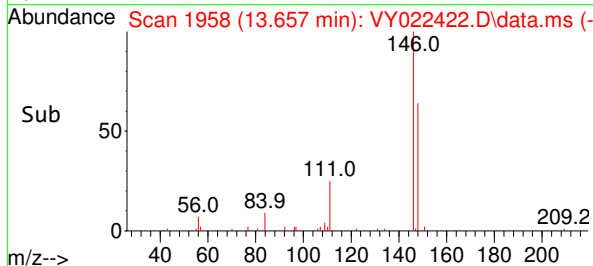
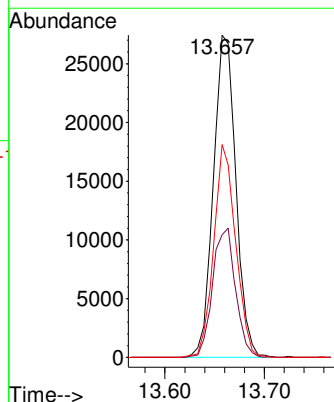
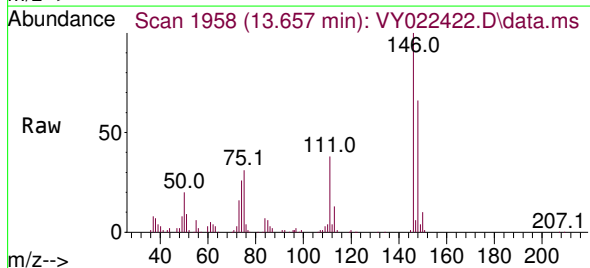
#91
1,2-Dichlorobenzene
Concen: 9.358 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 146 Resp: 4341
Ion Ratio Lower Upper
146 100
111 40.8 20.5 61.6
148 64.1 31.9 95.9

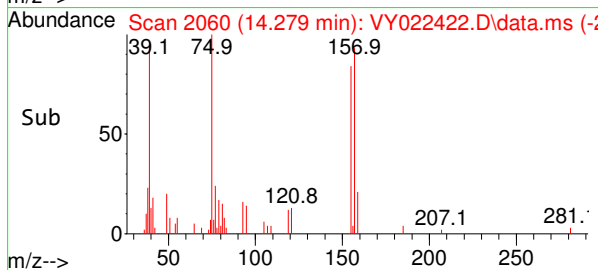
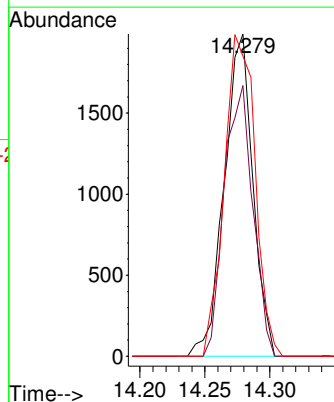
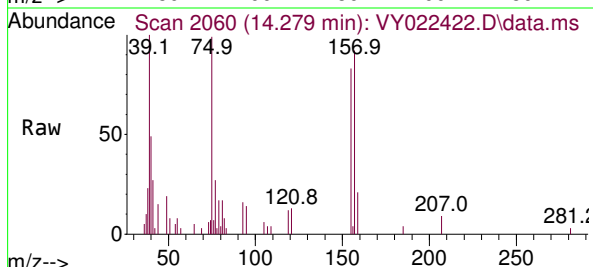
Manual Integrations
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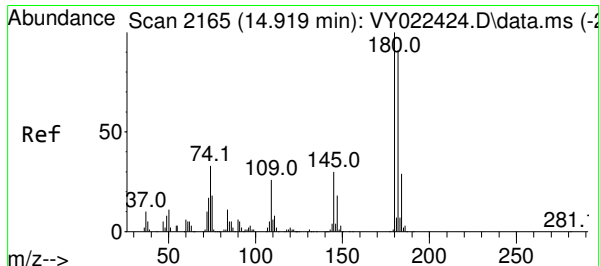
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 9.740 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 75 Resp: 3042
Ion Ratio Lower Upper
75 100
155 84.2 42.3 126.8
157 107.4 54.4 163.3





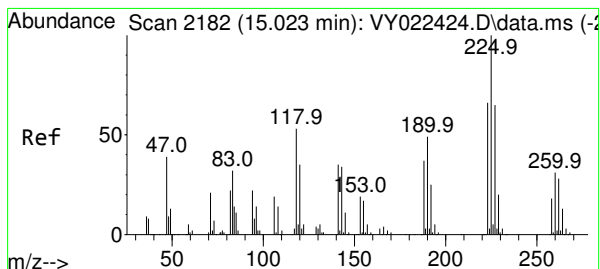
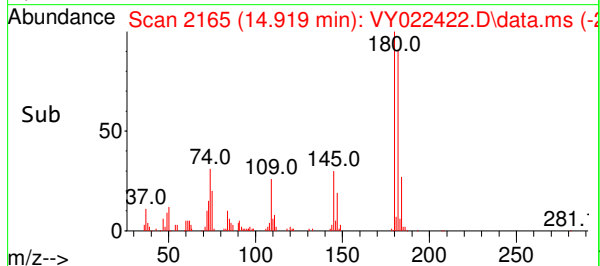
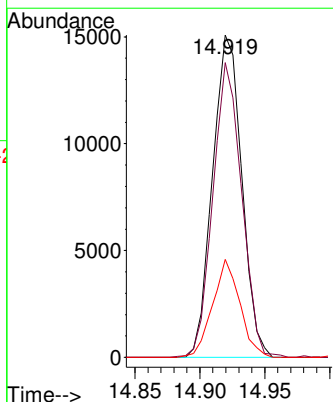
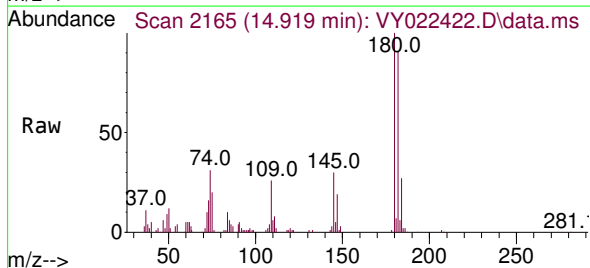
#93
1,2,4-Trichlorobenzene
Concen: 9.172 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.9	46.2	138.6
145	28.4	14.2	42.8

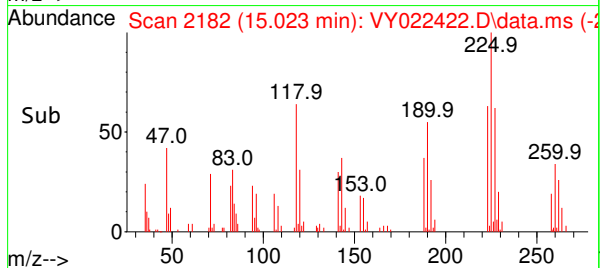
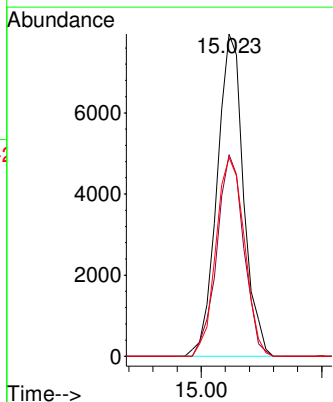
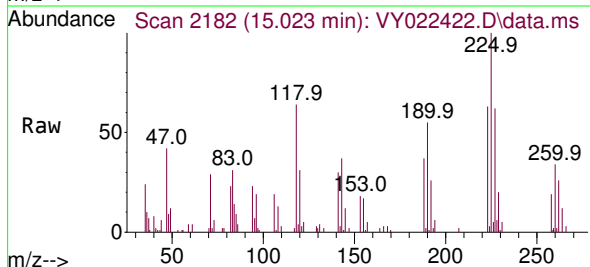
Manual Integrations
APPROVED

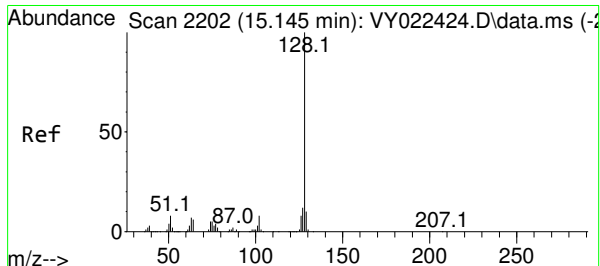
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#94
Hexachlorobutadiene
Concen: 8.956 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.6	97.7
227	66.2	33.0	99.0





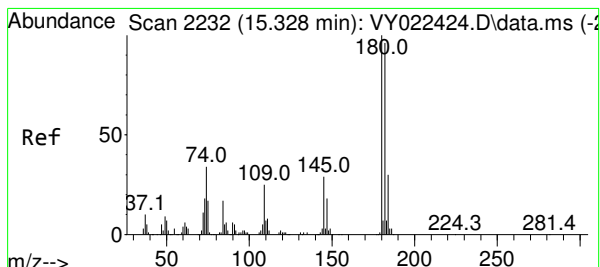
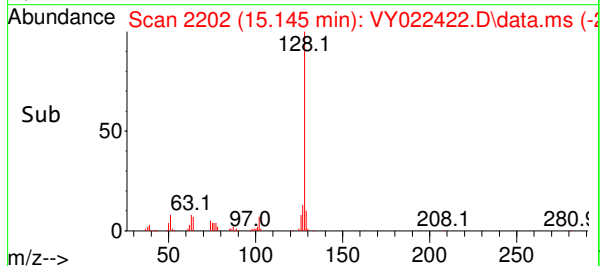
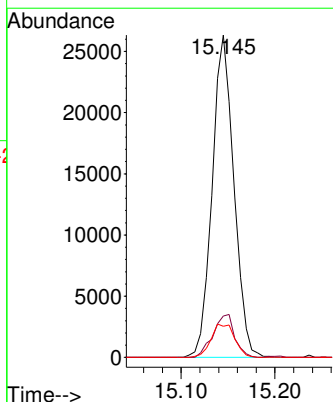
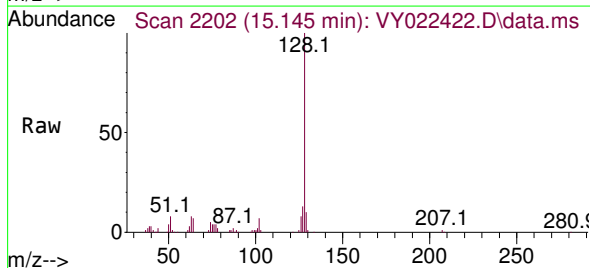
#95
Naphthalene
Concen: 8.878 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion	128	Resp	4221
Ion Ratio	100		
Lower	10.2		
Upper	15.4		

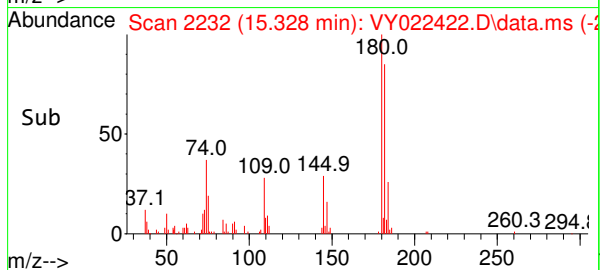
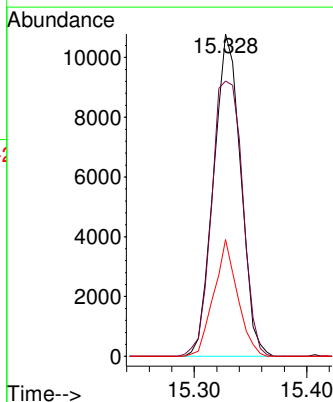
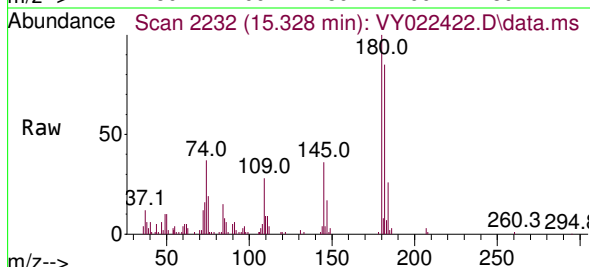
Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 8.567 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion	180	Resp	18071
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>48.1</td> <td></td> <td></td>	48.1		
Upper <td>144.3</td> <td></td> <td></td>	144.3		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022423.D
 Acq On : 27 May 2025 09:36
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:49:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	252702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	427651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	358898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	162048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52229	19.622	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.240%#		
35) Dibromofluoromethane	7.640	113	48414	19.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.660%#		
50) Toluene-d8	10.109	98	199816	19.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.140%#		
62) 4-Bromofluorobenzene	12.408	95	59022	19.112	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	53184	22.059	ug/l	100
3) Chloromethane	2.068	50	131430	22.162	ug/l	96
4) Vinyl Chloride	2.208	62	153844	21.354	ug/l	97
5) Bromomethane	2.592	94	141241	21.573	ug/l	99
6) Chloroethane	2.739	64	95915	20.373	ug/l	98
7) Trichlorofluoromethane	3.056	101	123550	20.326	ug/l	99
8) Diethyl Ether	3.458	74	27436	19.575	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	54677	20.503	ug/l	100
10) Methyl Iodide	4.013	142	61032	20.286	ug/l	100
11) Tert butyl alcohol	4.885	59	18099	96.464	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	53871	20.347	ug/l	99
13) Acrolein	3.659	56	28252	100.498	ug/l	98
14) Allyl chloride	4.391	41	80449	20.200	ug/l	97
15) Acrylonitrile	5.067	53	55206	97.719	ug/l	100
16) Acetone	3.879	43	40769	93.210	ug/l	92
17) Carbon Disulfide	4.110	76	172558	20.423	ug/l	100
18) Methyl Acetate	4.397	43	29942	18.275	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	137123	19.508	ug/l	97
20) Methylene Chloride	4.622	84	58412	18.912	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	56105	19.411	ug/l	99
22) Diisopropyl ether	6.025	45	175073	19.918	ug/l	99
23) Vinyl Acetate	5.964	43	504103	99.882	ug/l	99
24) 1,1-Dichloroethane	5.927	63	104623	20.143	ug/l	100
25) 2-Butanone	6.902	43	68733	94.358	ug/l	99
26) 2,2-Dichloropropane	6.890	77	94730	20.142	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	65719	19.640	ug/l	99
28) Bromochloromethane	7.250	49	43955	20.266	ug/l	99
29) Tetrahydrofuran	7.268	42	46611	95.946	ug/l	99
30) Chloroform	7.427	83	103440	20.211	ug/l	96
31) Cyclohexane	7.707	56	100786	19.685	ug/l	93
32) 1,1,1-Trichloroethane	7.628	97	92540	19.923	ug/l	99
36) 1,1-Dichloropropene	7.841	75	77871	19.594	ug/l	99
37) Ethyl Acetate	6.994	43	32871	19.462	ug/l	98
38) Carbon Tetrachloride	7.823	117	80594	19.468	ug/l	94
39) Methylcyclohexane	9.109	83	103224	19.540	ug/l	95
40) Benzene	8.085	78	232606	19.670	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022423.D
 Acq On : 27 May 2025 09:36
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:49:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	19136m	8.609	ug/l	
42) 1,2-Dichloroethane	8.158	62	61523	19.699	ug/l	99
43) Isopropyl Acetate	8.201	43	71905	19.483	ug/l #	86
44) Trichloroethene	8.872	130	58860	20.135	ug/l	97
45) 1,2-Dichloropropane	9.146	63	54451	19.598	ug/l	99
46) Dibromomethane	9.237	93	29679	19.122	ug/l	98
47) Bromodichloromethane	9.426	83	76833	19.250	ug/l	97
48) Methyl methacrylate	9.225	41	32925	19.218	ug/l	99
49) 1,4-Dioxane	9.231	88	6923	403.829	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	169056	92.837	ug/l	99
52) Toluene	10.176	92	143949	19.489	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	71231	19.160	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	86263	19.747	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	38684	19.713	ug/l	94
56) Ethyl methacrylate	10.445	69	53900	19.140	ug/l	98
57) 1,3-Dichloropropane	10.719	76	68793	19.893	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	130961	93.311	ug/l	98
59) 2-Hexanone	10.762	43	109954	92.136	ug/l	98
60) Dibromochloromethane	10.914	129	48590	19.384	ug/l	99
61) 1,2-Dibromoethane	11.018	107	35441	19.746	ug/l	100
64) Tetrachloroethene	10.652	164	62224	20.357	ug/l	99
65) Chlorobenzene	11.444	112	150827	19.709	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	50226	19.371	ug/l	96
67) Ethyl Benzene	11.524	91	275656	19.399	ug/l	98
68) m/p-Xylenes	11.633	106	207724	38.557	ug/l	99
69) o-Xylene	11.956	106	96581	19.075	ug/l	100
70) Styrene	11.969	104	160384	19.023	ug/l	99
71) Bromoform	12.133	173	26368	19.415	ug/l #	100
73) Isopropylbenzene	12.255	105	255754	20.053	ug/l	99
74) N-amyl acetate	12.072	43	61037	19.558	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	39127	19.472	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	32290m	12.094	ug/l	
77) Bromobenzene	12.536	156	55641	20.273	ug/l	97
78) n-propylbenzene	12.597	91	306474	20.024	ug/l	100
79) 2-Chlorotoluene	12.682	91	163649	19.752	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	198748	19.944	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	14257	19.863	ug/l	98
82) 4-Chlorotoluene	12.779	91	171858	20.140	ug/l	99
83) tert-Butylbenzene	12.999	119	179841	19.975	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	196951	19.640	ug/l	100
85) sec-Butylbenzene	13.176	105	263748	19.753	ug/l	99
86) p-Isopropyltoluene	13.292	119	216227	19.393	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	108479	19.644	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	104788	19.845	ug/l	98
89) n-Butylbenzene	13.615	91	206658	19.768	ug/l	99
90) Hexachloroethane	13.883	117	44059	19.857	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	92726	20.103	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6215	20.016	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	49954	19.535	ug/l	98
94) Hexachlorobutadiene	15.023	225	25718	19.164	ug/l	97
95) Naphthalene	15.145	128	89204	18.870	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	41774	19.919	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022423.D
Acq On : 27 May 2025 09:36
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 :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:49:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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\VY052725\
 Data File : VY022423.D
 Acq On : 27 May 2025 09:36
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_Y

Client Sample Id :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025

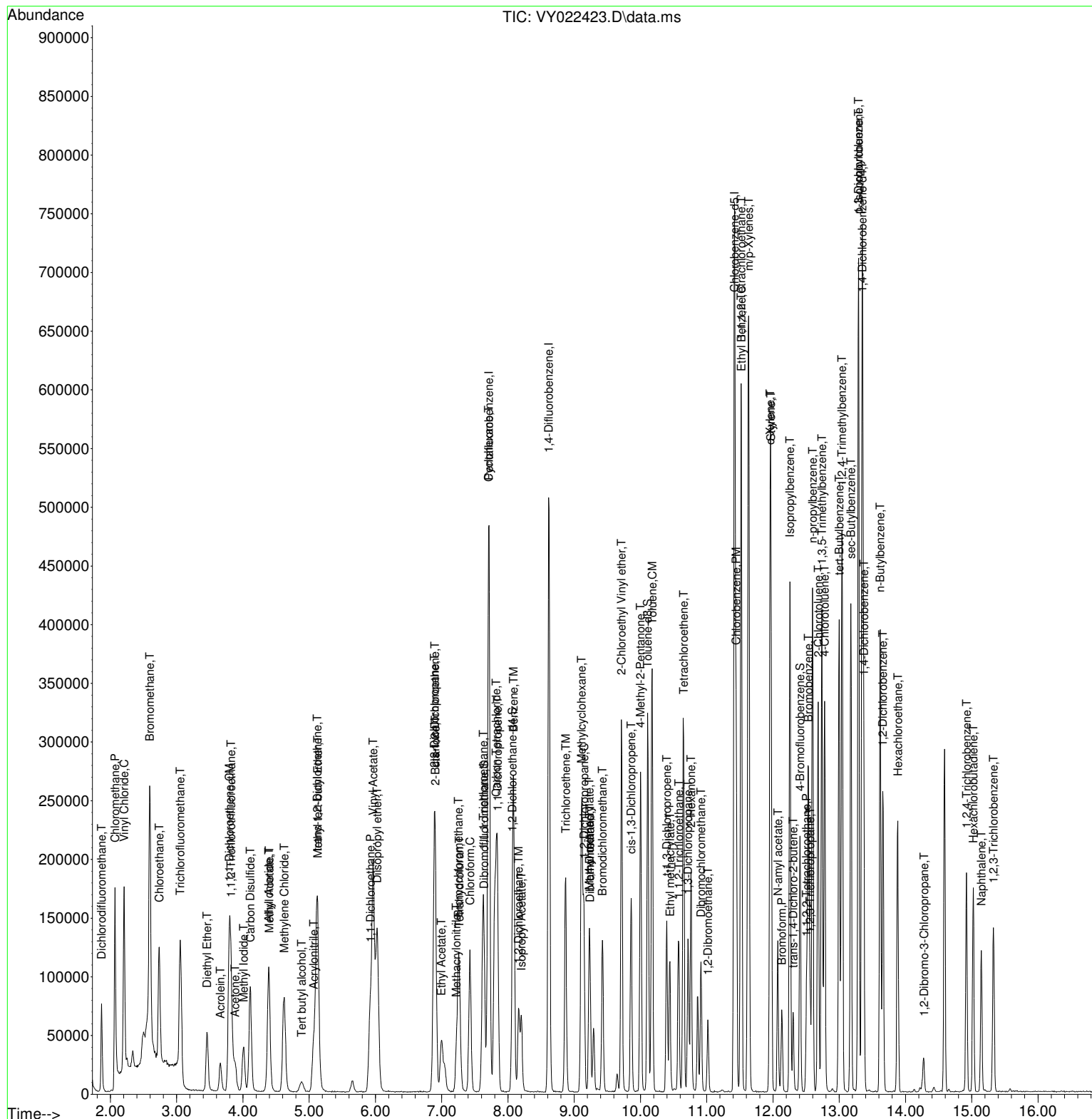
Quant Time: May 28 09:49:11 2025

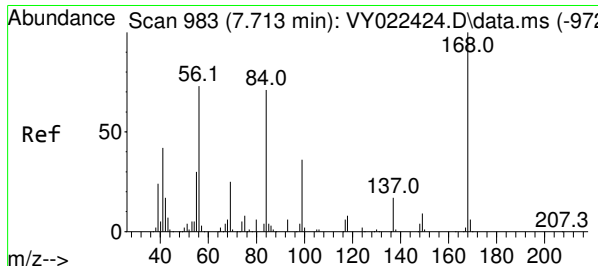
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M

Quant Title : SW846 8260

QLast Update : Wed May 28 09:30:53 2025

Response via : Initial Calibration





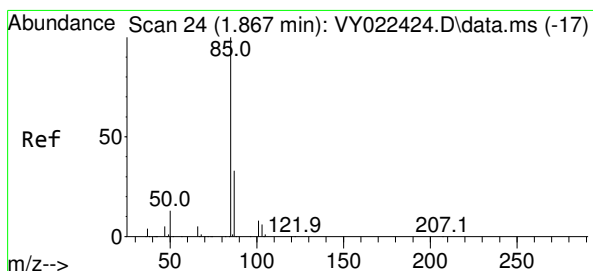
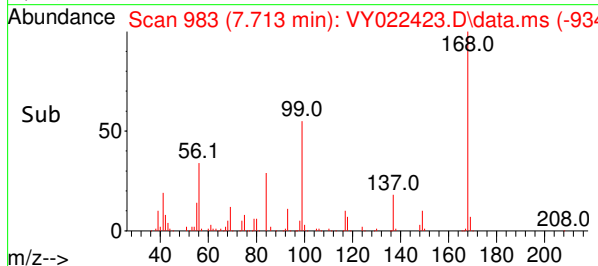
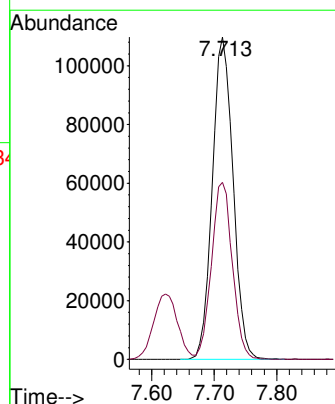
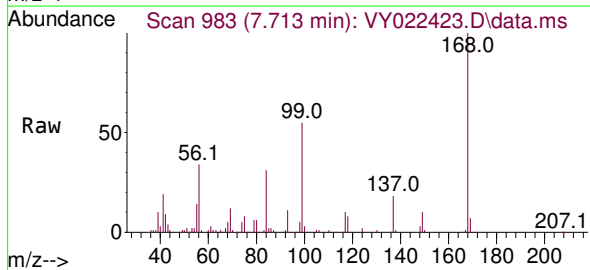
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 25276
Ion Ratio Lower Upper
168 100
99 54.8 44.7 67.1

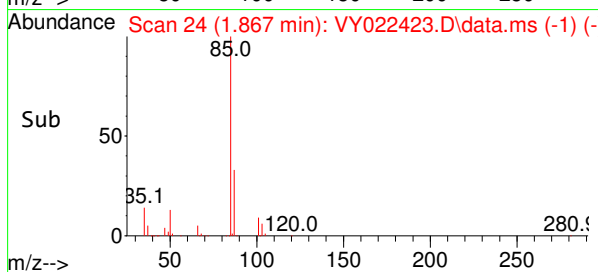
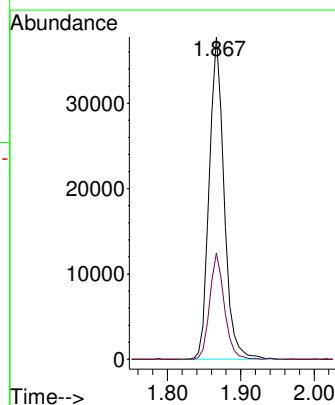
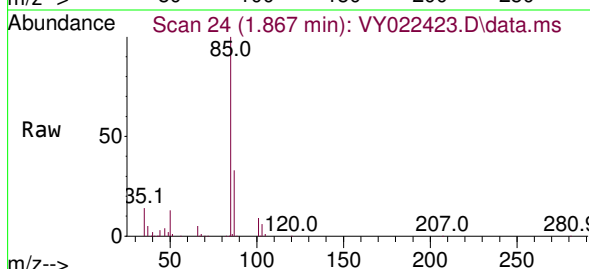
Manual Integrations
APPROVED

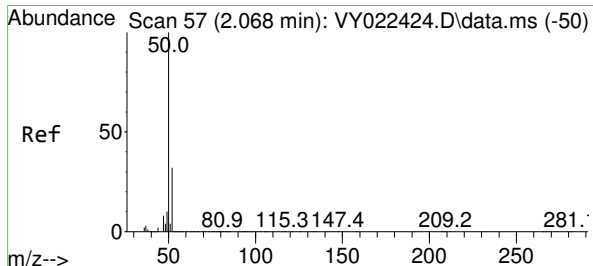
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#2
Dichlorodifluoromethane
Concen: 22.059 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 85 Resp: 53184
Ion Ratio Lower Upper
85 100
87 33.0 16.4 49.2





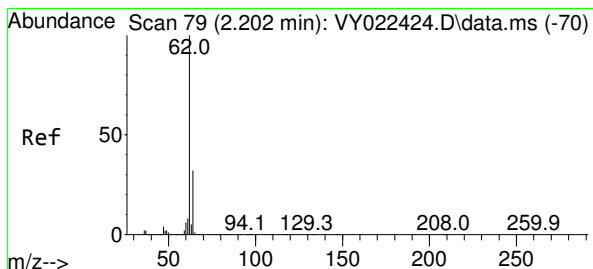
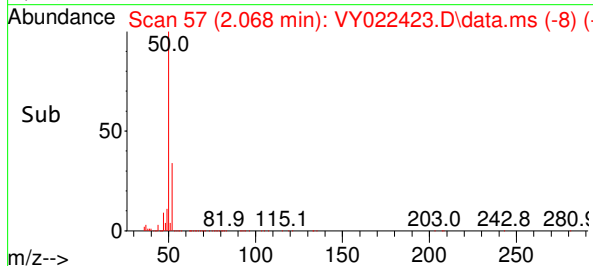
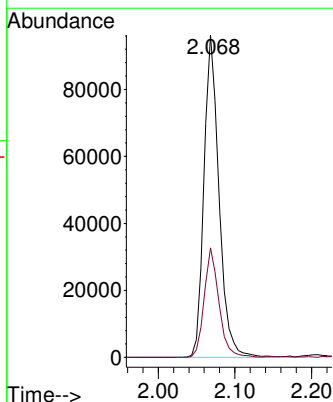
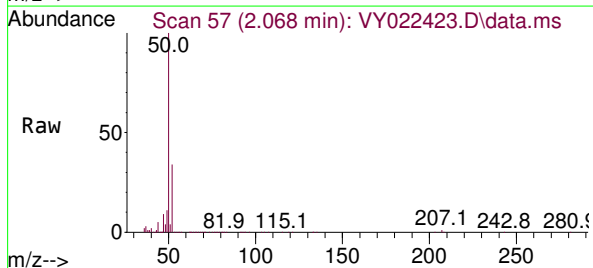
#3
Chloromethane
Concen: 22.162 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 13143
Ion Ratio Lower Upper
50 100
52 34.0 25.5 38.3

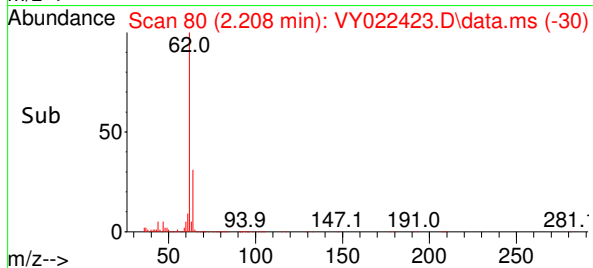
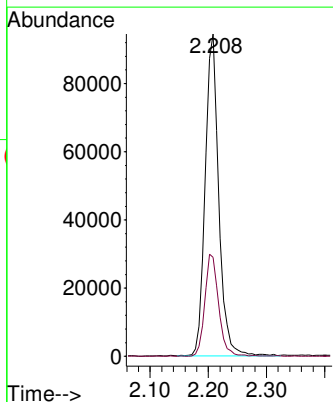
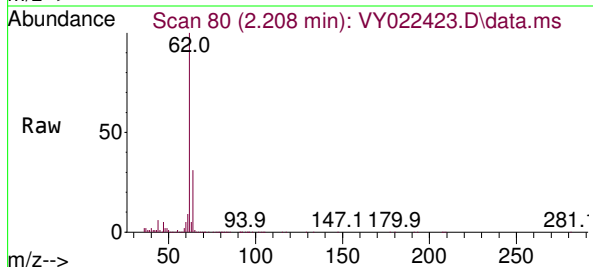
Manual Integrations
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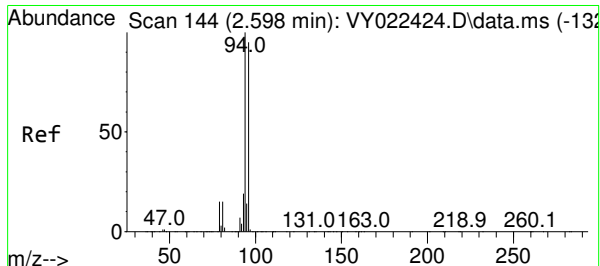
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#4
Vinyl Chloride
Concen: 21.354 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 62 Resp: 153844
Ion Ratio Lower Upper
62 100
64 30.7 26.0 39.0





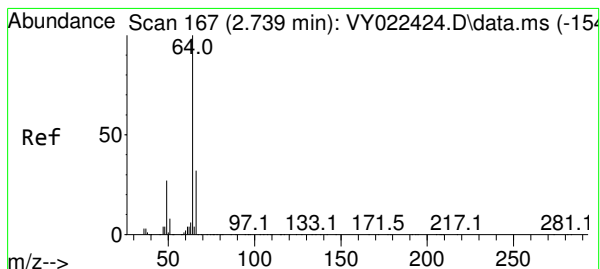
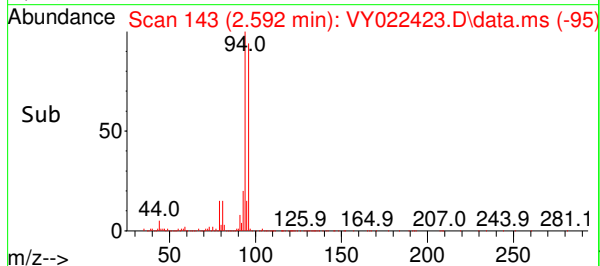
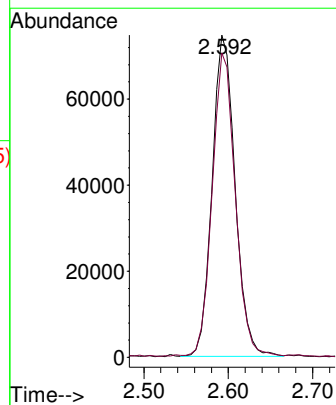
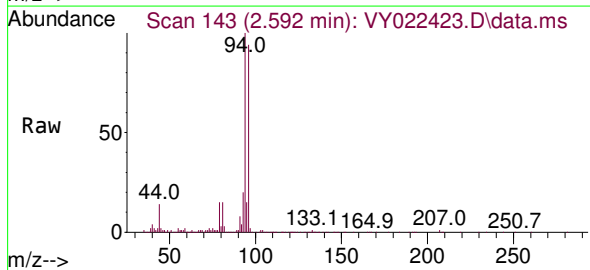
#5
Bromomethane
Concen: 21.573 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 14124
Ion Ratio Lower Upper
94 100
96 94.1 76.0 114.0

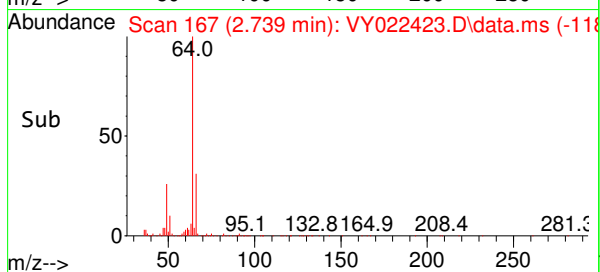
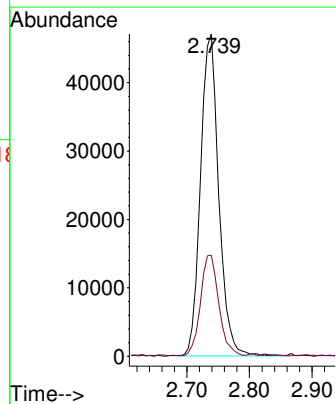
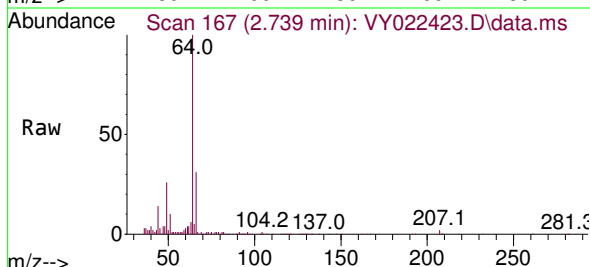
Manual Integrations
APPROVED

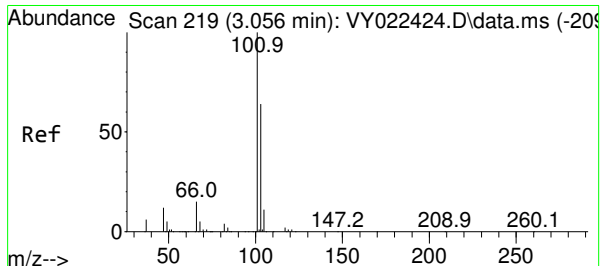
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#6
Chloroethane
Concen: 20.373 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 64 Resp: 95915
Ion Ratio Lower Upper
64 100
66 31.2 25.9 38.9





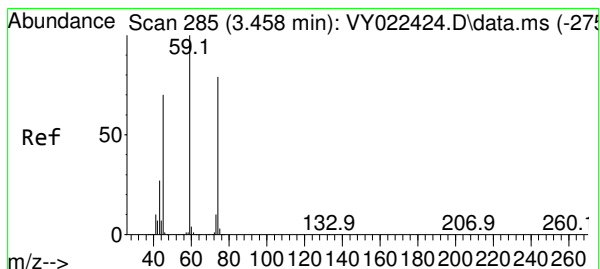
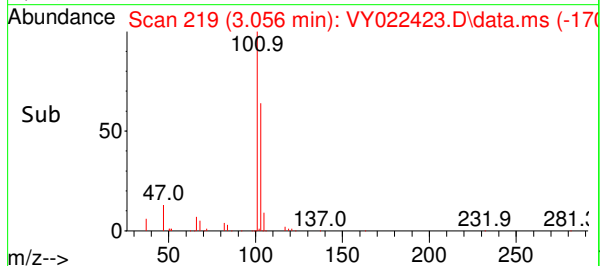
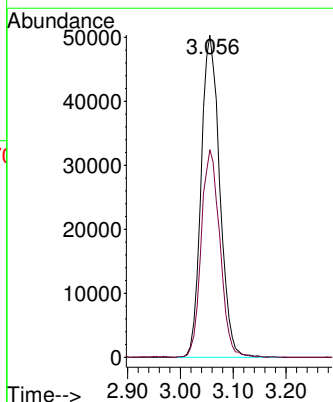
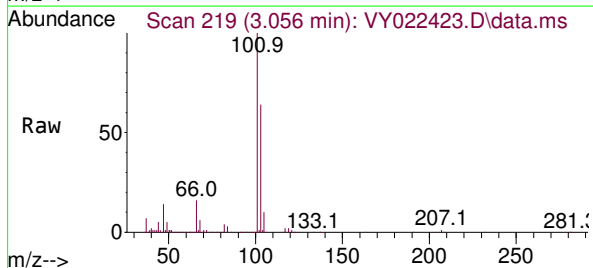
#7
Trichlorofluoromethane
Concen: 20.326 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 101 Resp: 12355
Ion Ratio Lower Upper
101 100
103 64.4 50.9 76.3

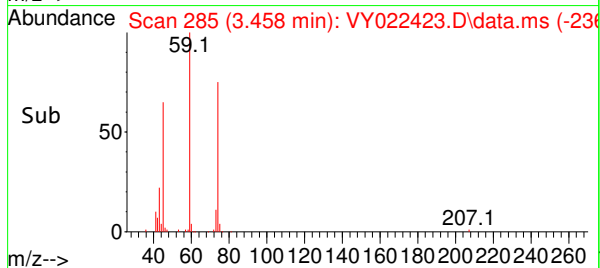
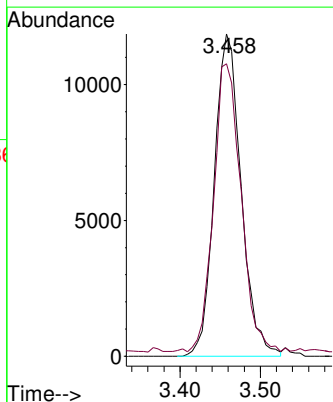
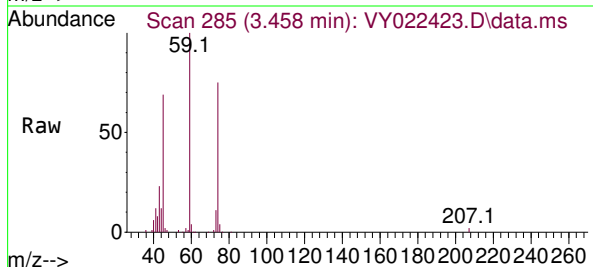
Manual Integrations
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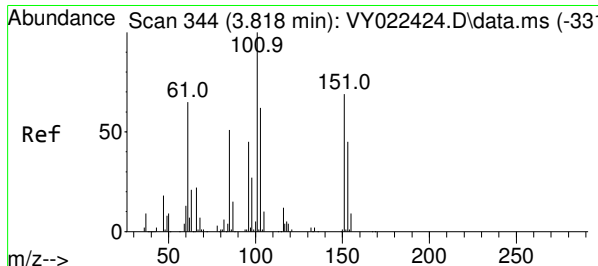
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#8
Diethyl Ether
Concen: 19.575 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 74 Resp: 27436
Ion Ratio Lower Upper
74 100
45 91.3 44.9 134.5





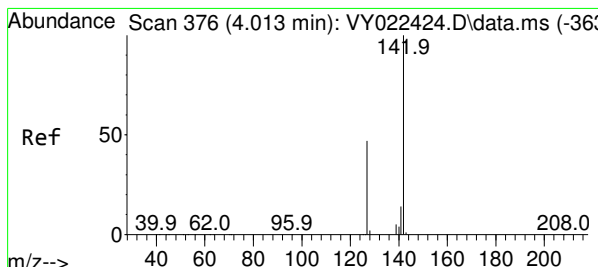
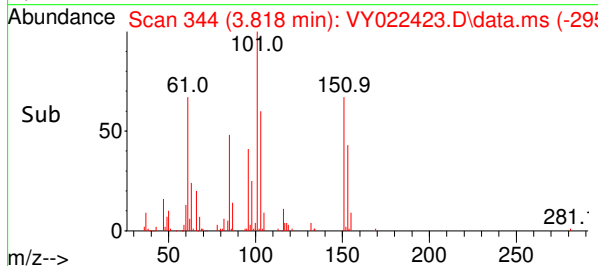
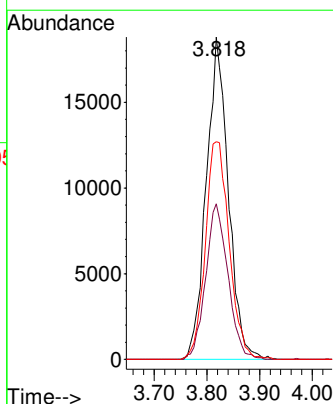
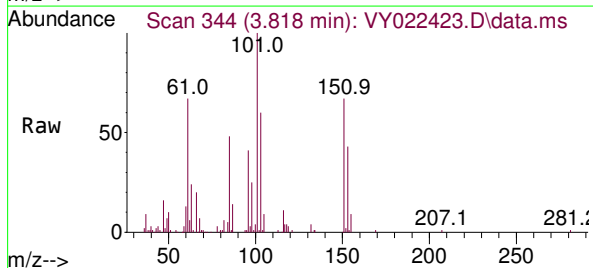
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.503 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.9	39.2	58.8
151	73.3	58.8	88.2

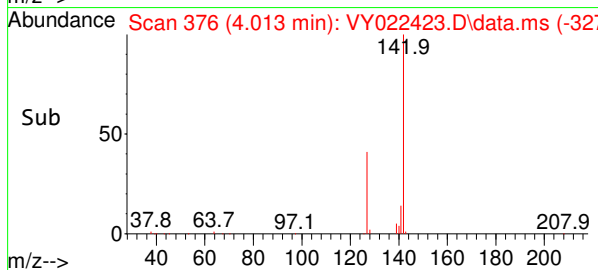
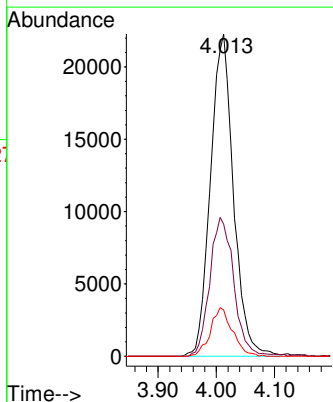
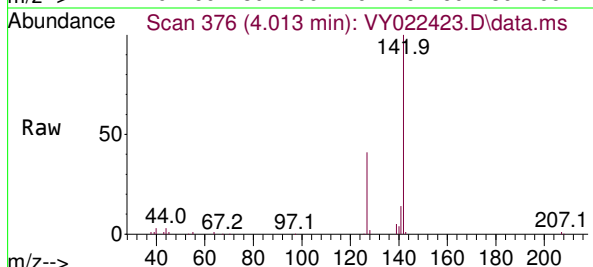
Manual Integrations
APPROVED

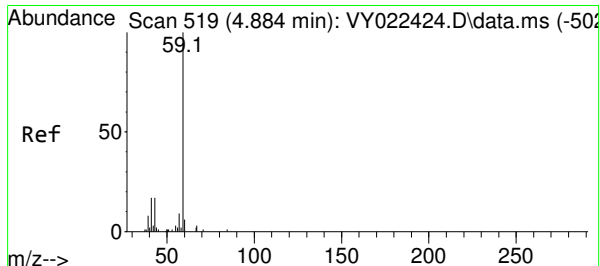
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#10
Methyl Iodide
Concen: 20.286 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.1	36.2	54.4
141	14.5	11.6	17.4





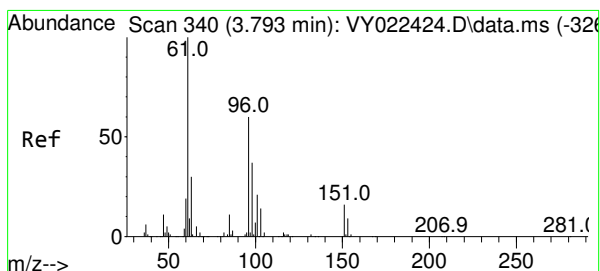
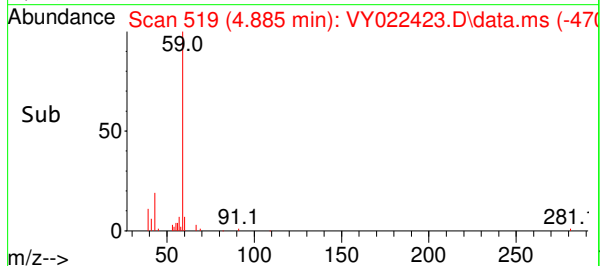
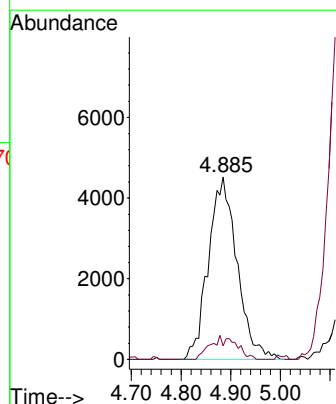
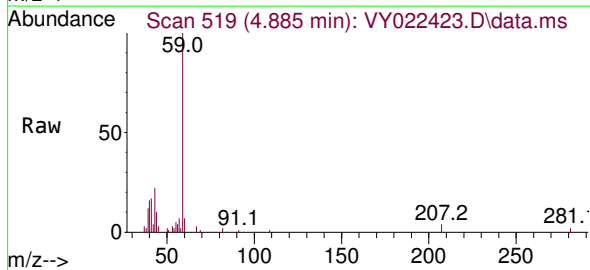
#11
Tert butyl alcohol
Concen: 96.464 ug/l
RT: 4.885 min Scan# 519
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 1809
Ion Ratio Lower Upper
59 100
57 5.9 9.1 13.7

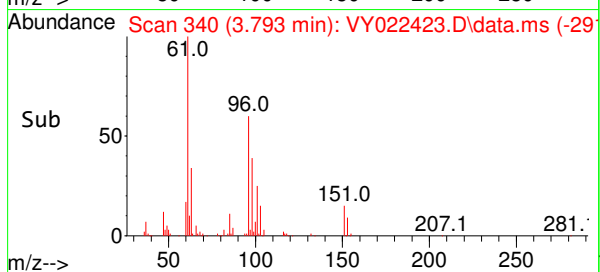
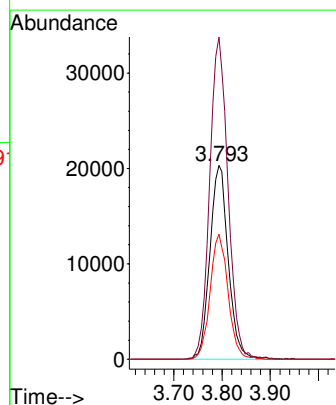
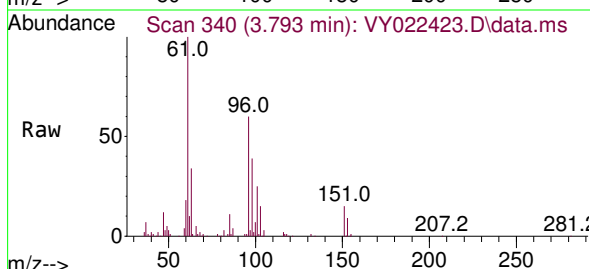
Manual Integrations
APPROVED

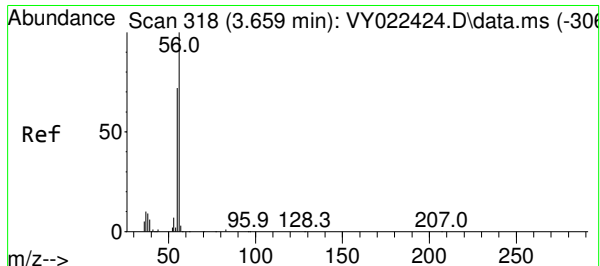
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#12
1,1-Dichloroethene
Concen: 20.347 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 96 Resp: 53871
Ion Ratio Lower Upper
96 100
61 166.2 134.1 201.1
98 64.6 50.2 75.2





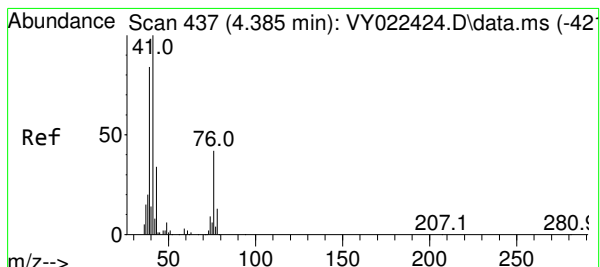
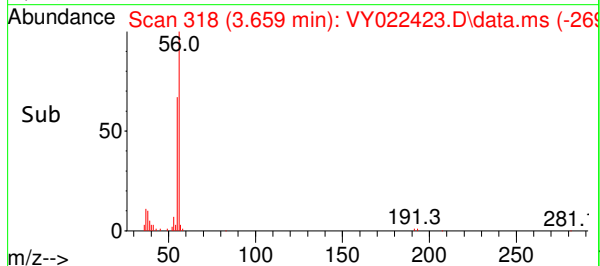
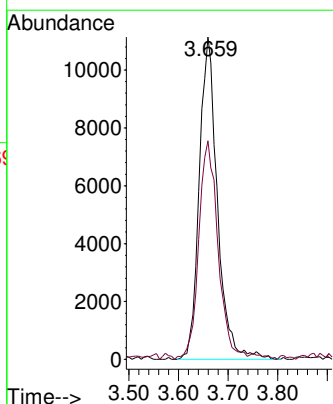
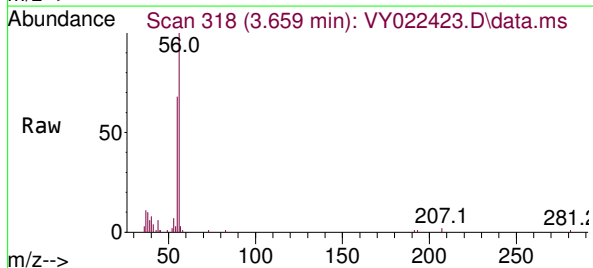
#13
Acrolein
Concen: 100.498 ug/l
RT: 3.659 min Scan# 318
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 2825
Ion Ratio Lower Upper
56 100
55 71.9 56.5 84.7

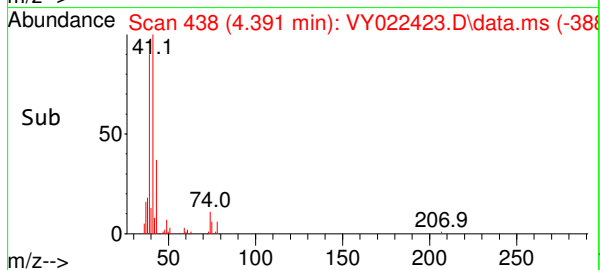
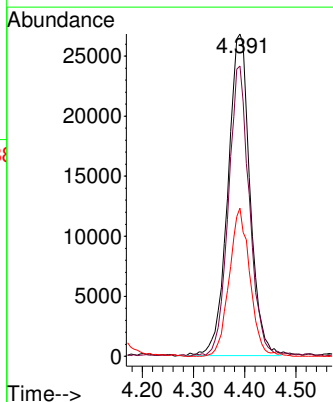
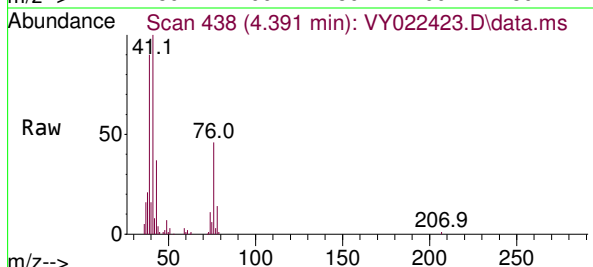
Manual Integrations
APPROVED

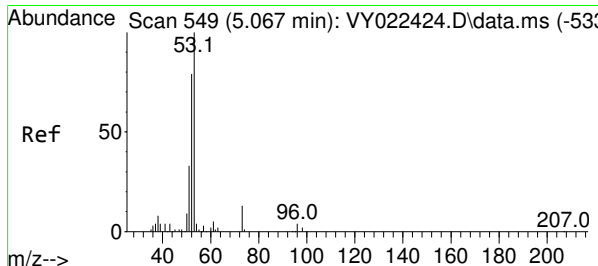
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#14
Allyl chloride
Concen: 20.200 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 41 Resp: 80449
Ion Ratio Lower Upper
41 100
39 86.2 66.6 100.0
76 43.0 33.7 50.5





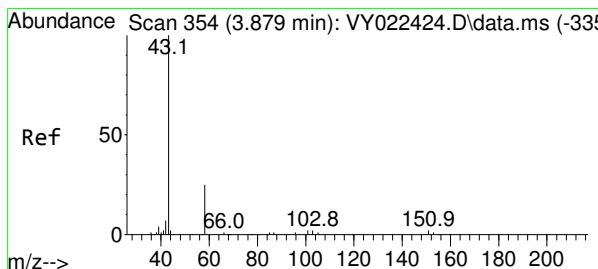
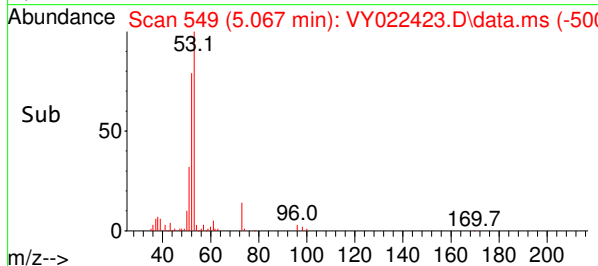
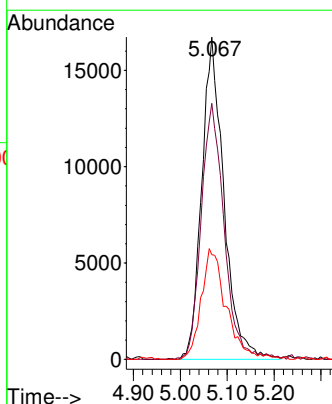
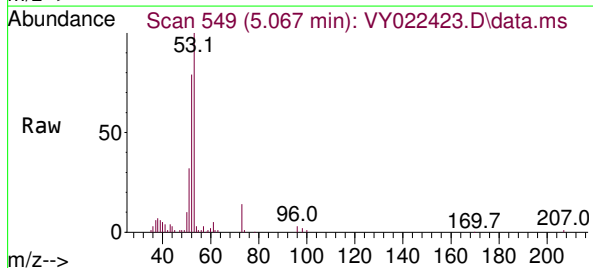
#15
Acrylonitrile
Concen: 97.719 ug/l
RT: 5.067 min Scan# 549
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.1	97.7
51	37.9	30.0	45.0

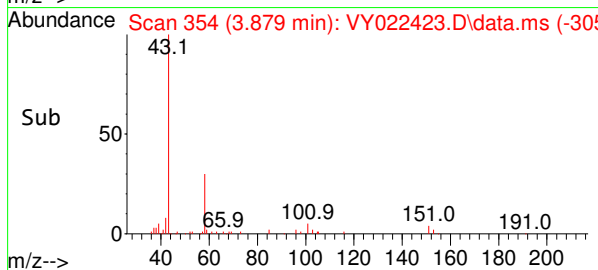
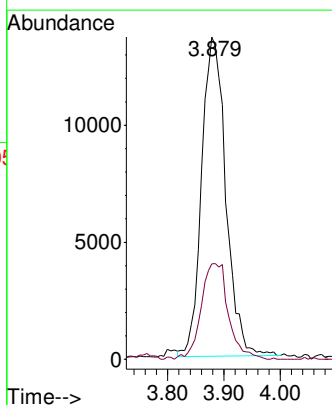
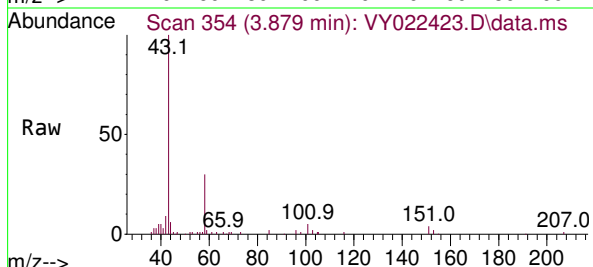
Manual Integrations
APPROVED

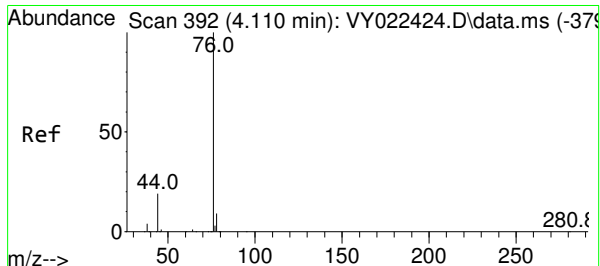
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#16
Acetone
Concen: 93.210 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.9	20.6	30.8





#17

Carbon Disulfide

Concen: 20.423 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY022423.D

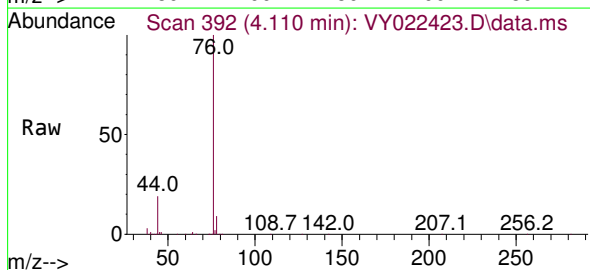
Acq: 27 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020



Tgt Ion: 76 Resp: 17255

Ion Ratio Lower Upper

76 100

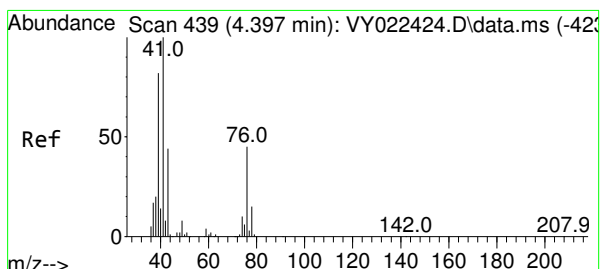
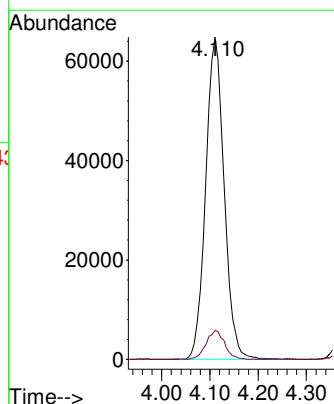
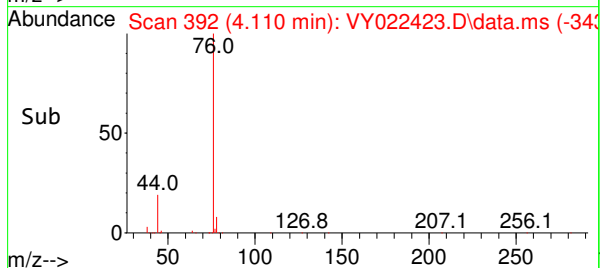
78 8.9 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#18

Methyl Acetate

Concen: 18.275 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.000 min

Lab File: VY022423.D

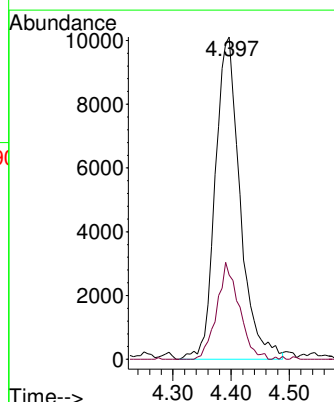
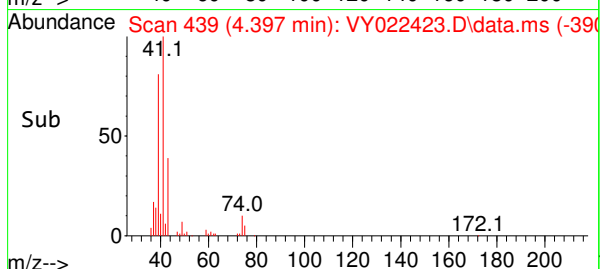
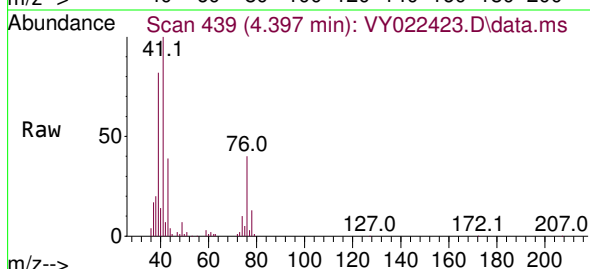
Acq: 27 May 2025 09:36

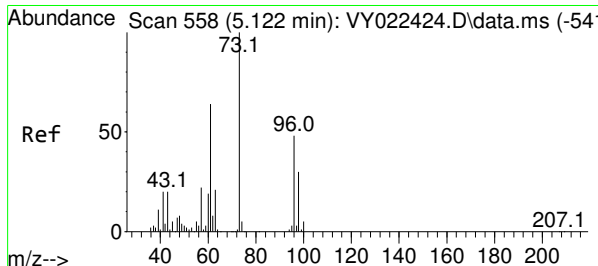
Tgt Ion: 43 Resp: 29942

Ion Ratio Lower Upper

43 100

74 27.1 21.2 31.8





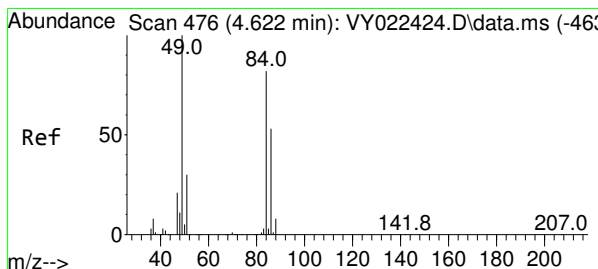
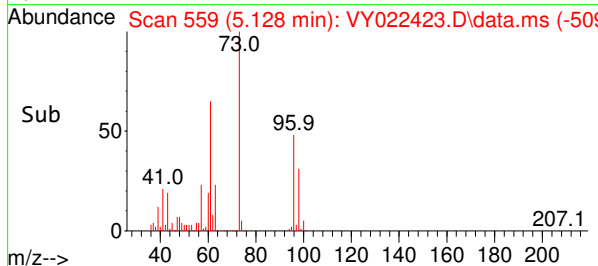
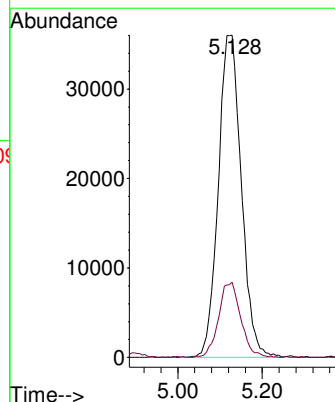
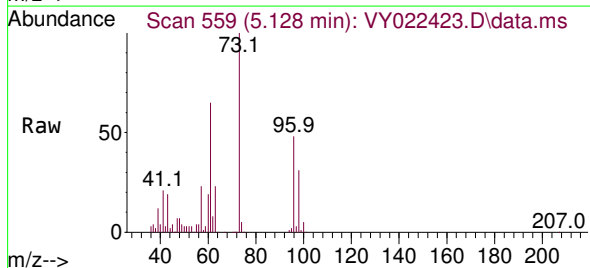
#19
Methyl tert-butyl Ether
Concen: 19.508 ug/l
RT: 5.128 min Scan# 558
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 13712
Ion Ratio Lower Upper
73 100
57 23.3 17.7 26.5

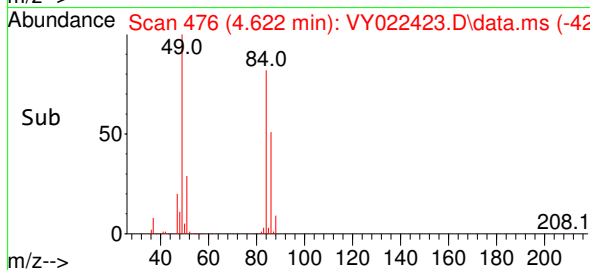
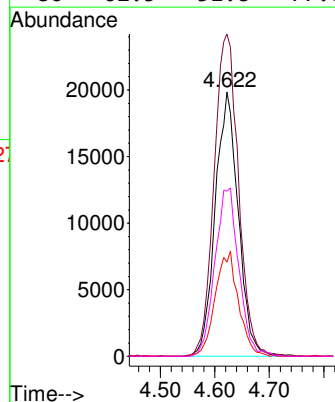
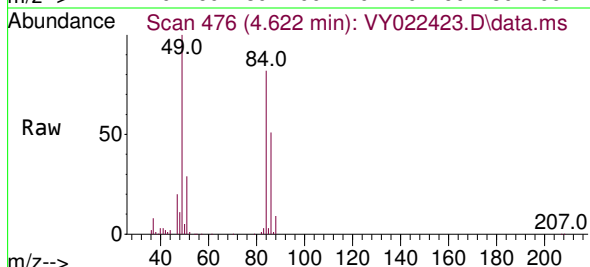
Manual Integrations
APPROVED

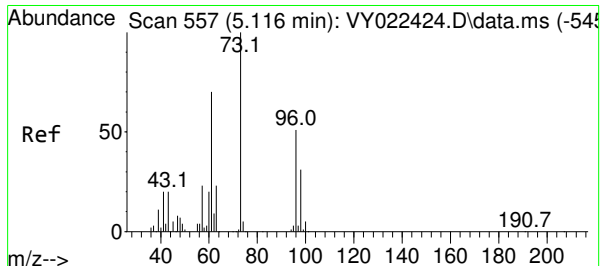
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#20
Methylene Chloride
Concen: 18.912 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 84 Resp: 58412
Ion Ratio Lower Upper
84 100
49 122.0 97.8 146.8
51 35.6 29.5 44.3
86 62.5 51.8 77.6





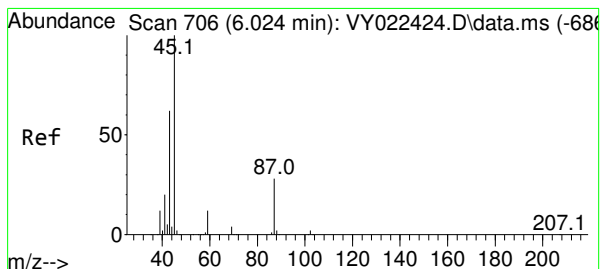
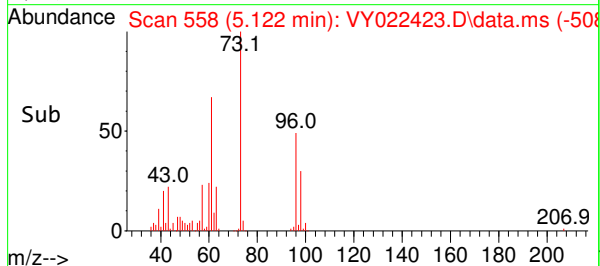
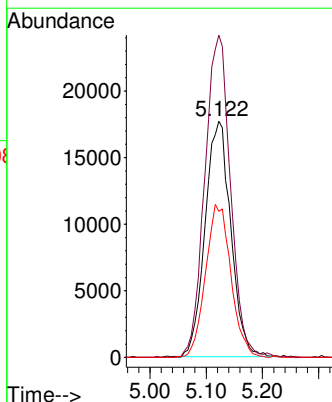
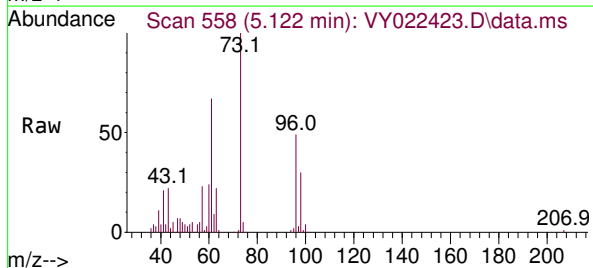
#21
trans-1,2-Dichloroethene
Concen: 19.411 ug/l
RT: 5.122 min Scan# 557
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument : MSVOA_Y
ClientSampleId : VSTDICC020

Tgt Ion: 96 Resp: 5610
Ion Ratio Lower Upper
96 100
61 137.0 110.4 165.6
98 62.0 48.6 73.0

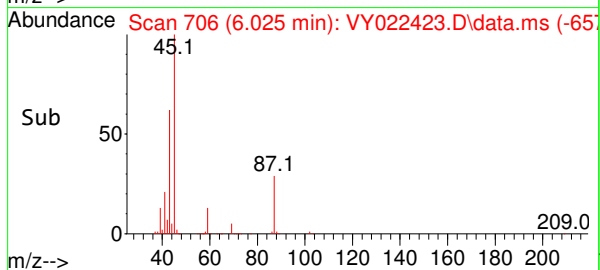
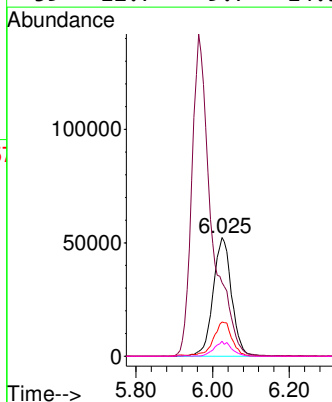
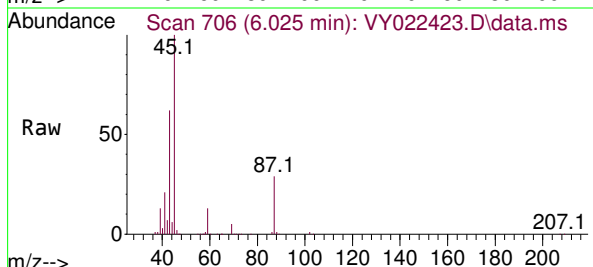
Manual Integrations
APPROVED

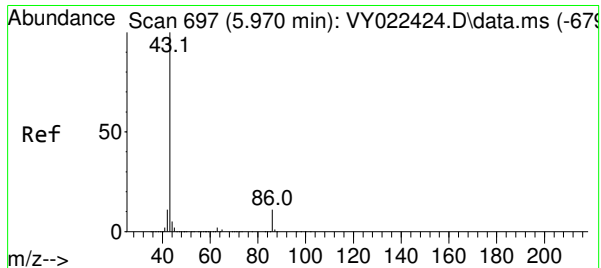
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#22
Diisopropyl ether
Concen: 19.918 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 45 Resp: 175073
Ion Ratio Lower Upper
45 100
43 61.3 49.8 74.8
87 28.9 23.0 34.6
59 12.7 9.7 14.5





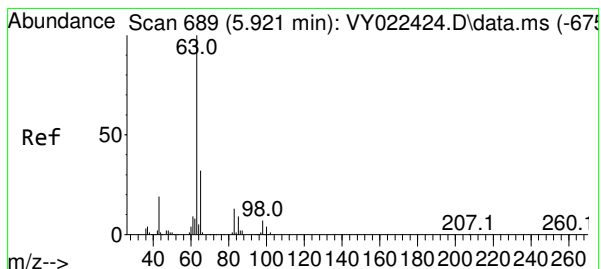
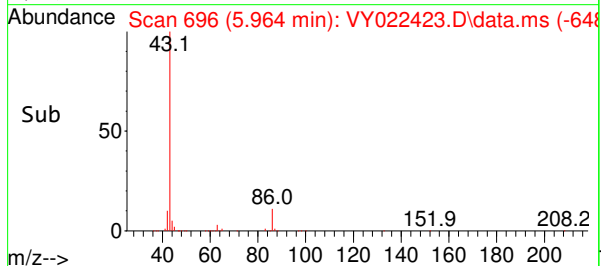
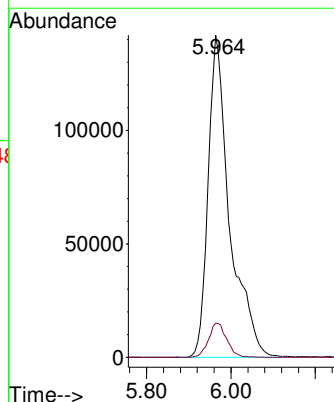
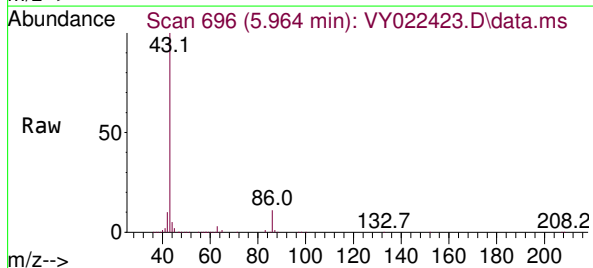
#23
Vinyl Acetate
Concen: 99.882 ug/l
RT: 5.964 min Scan# 696
Delta R.T. -0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 50416
Ion Ratio Lower Upper
43 100
86 10.7 8.8 13.2

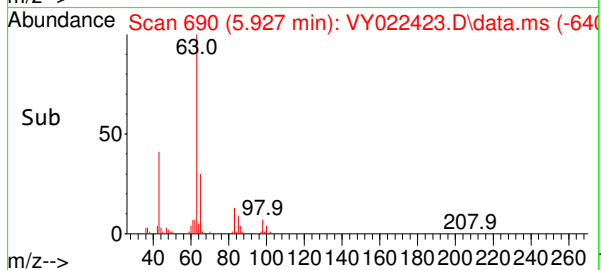
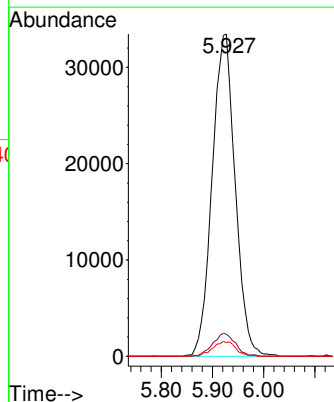
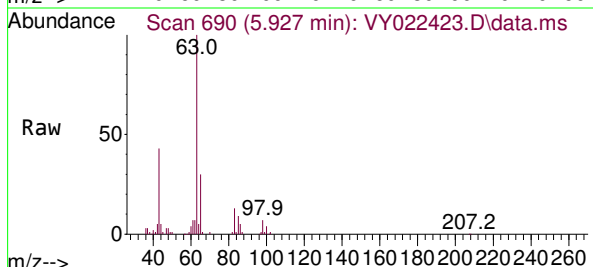
Manual Integrations
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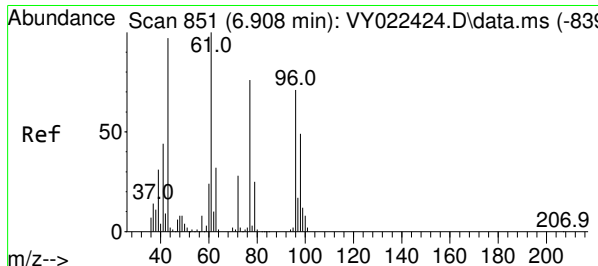
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#24
1,1-Dichloroethane
Concen: 20.143 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 63 Resp: 104623
Ion Ratio Lower Upper
63 100
98 6.9 3.5 10.5
100 4.2 2.1 6.5





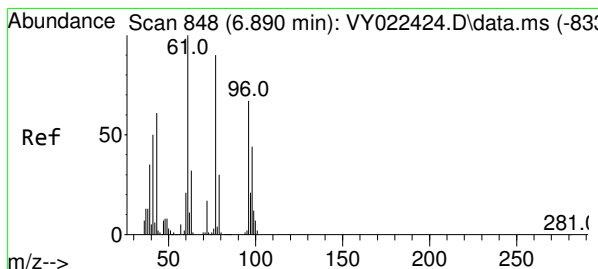
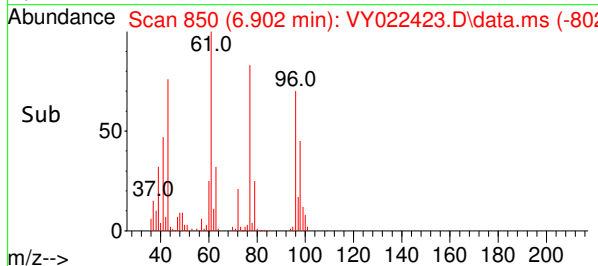
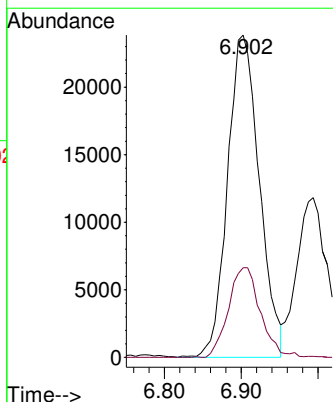
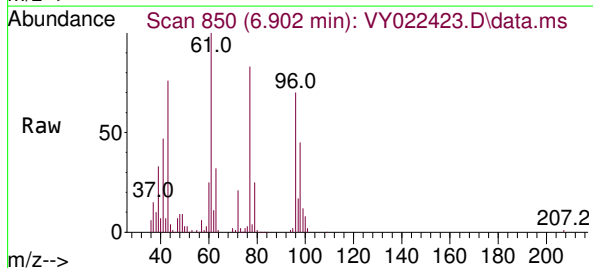
#25
2-Butanone
Concen: 94.358 ug/l
RT: 6.902 min Scan# 851
Delta R.T. -0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 6873
Ion Ratio Lower Upper
43 100
72 27.9 22.8 34.2

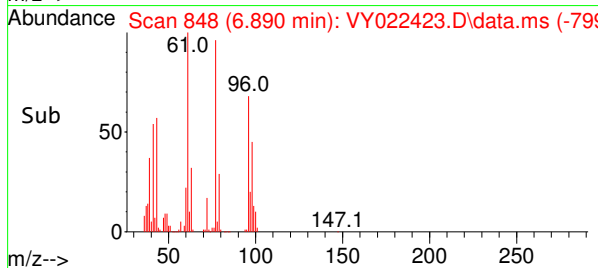
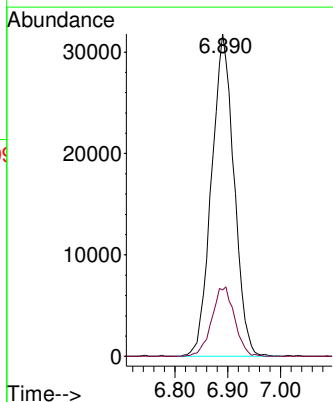
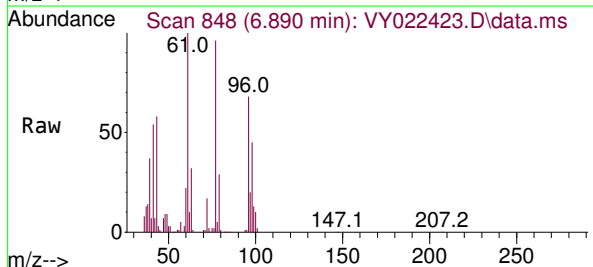
Manual Integrations
APPROVED

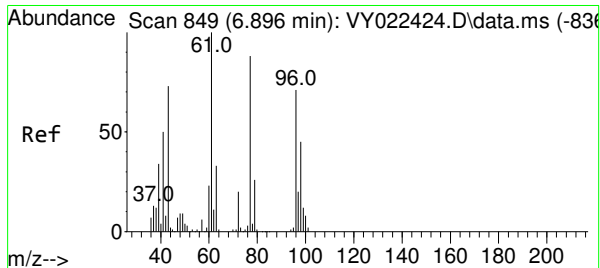
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#26
2,2-Dichloropropane
Concen: 20.142 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 77 Resp: 94730
Ion Ratio Lower Upper
77 100
97 21.7 11.6 34.7





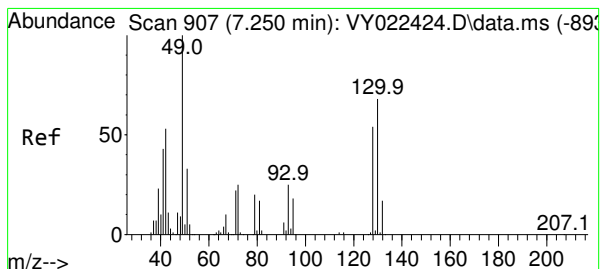
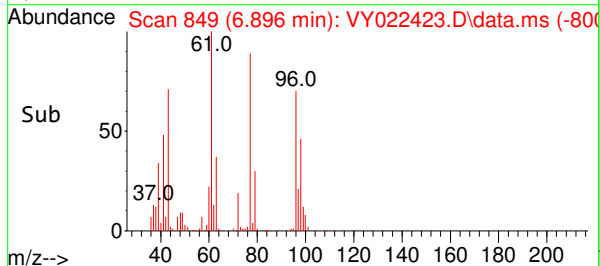
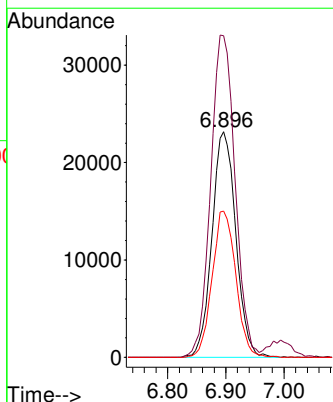
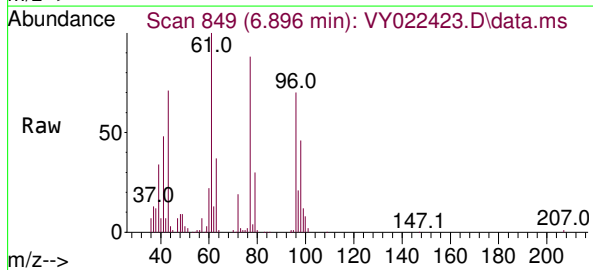
#27
 cis-1,2-Dichloroethene
 Concen: 19.640 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. 0.000 min
 Lab File: VY022423.D
 Acq: 27 May 2025 09:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Tgt Ion: 96 Resp: 6571
 Ion Ratio Lower Upper
 96 100
 61 146.3 0.0 292.0
 98 64.6 0.0 131.0

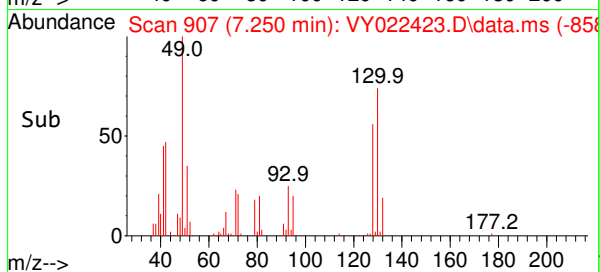
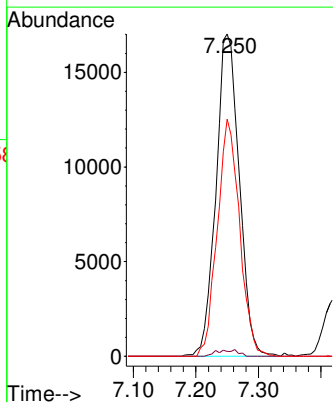
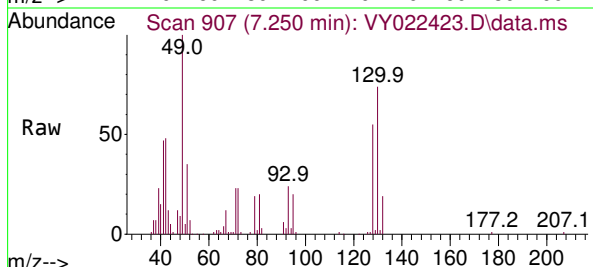
Manual Integrations
 APPROVED

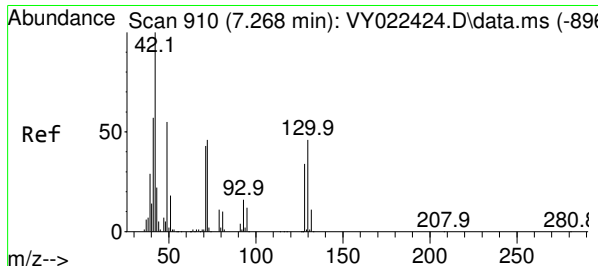
Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025



#28
 Bromochloromethane
 Concen: 20.266 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.000 min
 Lab File: VY022423.D
 Acq: 27 May 2025 09:36

Tgt Ion: 49 Resp: 43955
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 4.0
 130 70.2 56.9 85.3





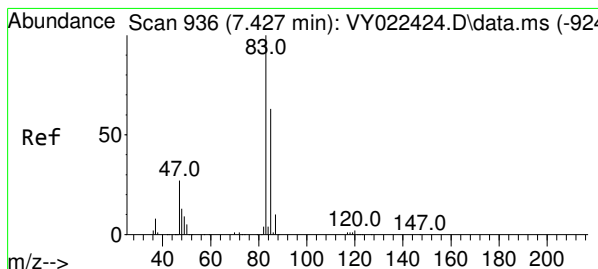
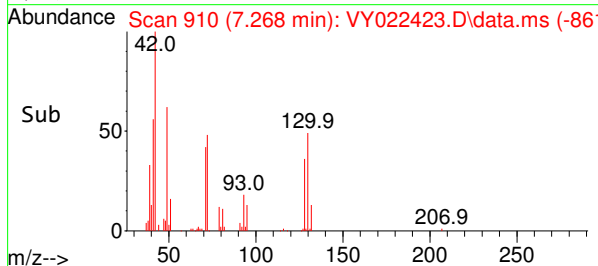
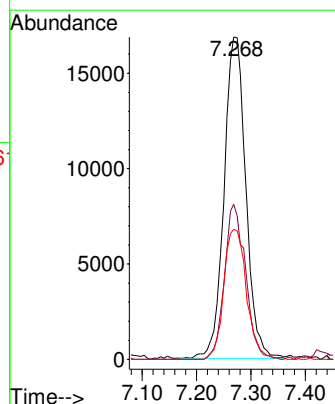
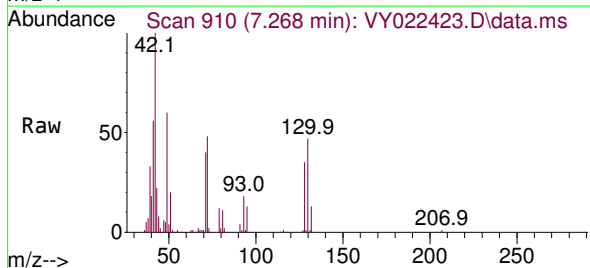
#29
Tetrahydrofuran
Concen: 95.946 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:	42	Resp:	4661
Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.7	56.5
71	42.6	34.7	52.1

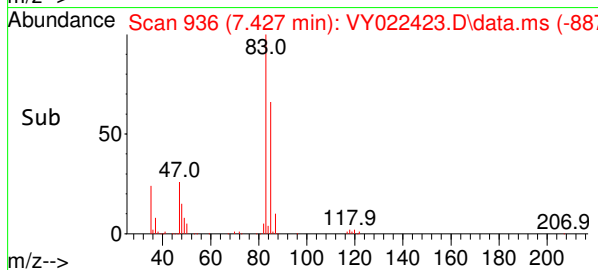
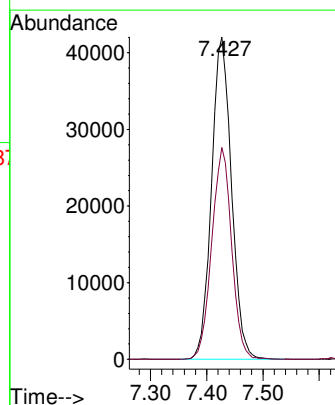
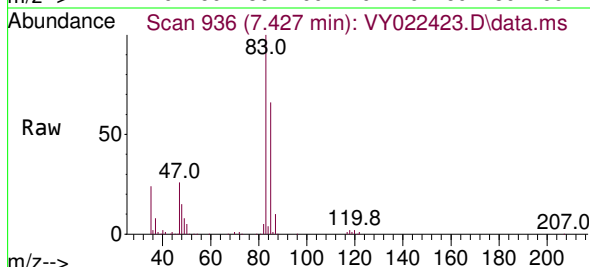
Manual Integrations
APPROVED

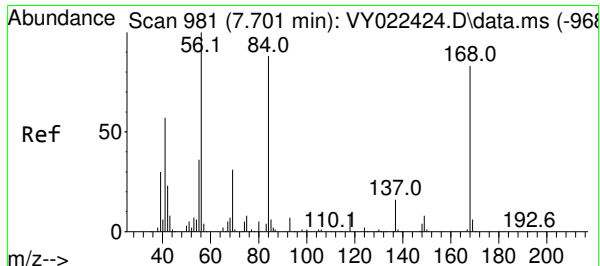
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#30
Chloroform
Concen: 20.211 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:	83	Resp:	103440
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.1	75.1





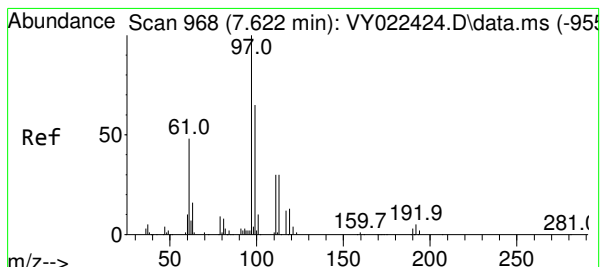
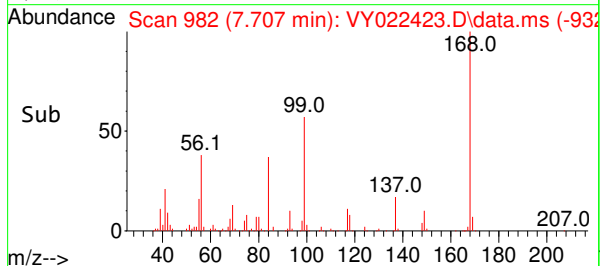
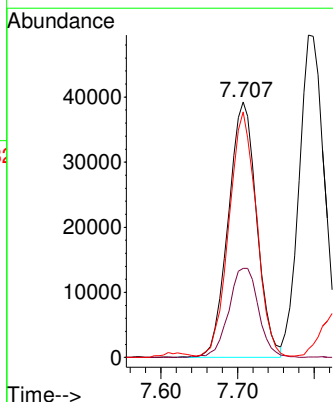
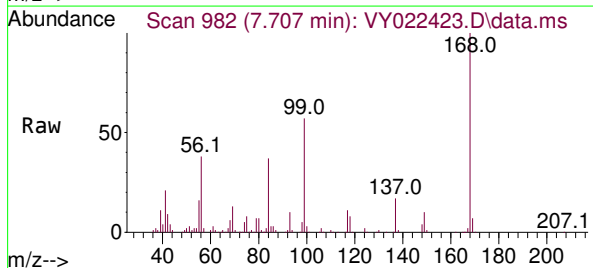
#31
Cyclohexane
Concen: 19.685 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 10078
Ion Ratio Lower Upper
56 100
69 34.8 24.6 36.8
84 94.5 70.4 105.6

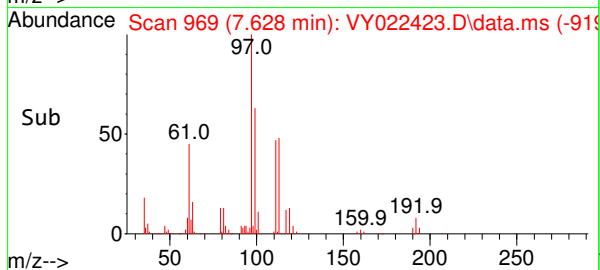
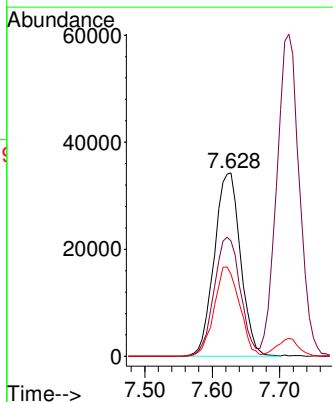
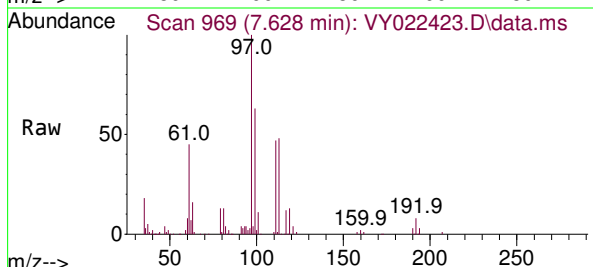
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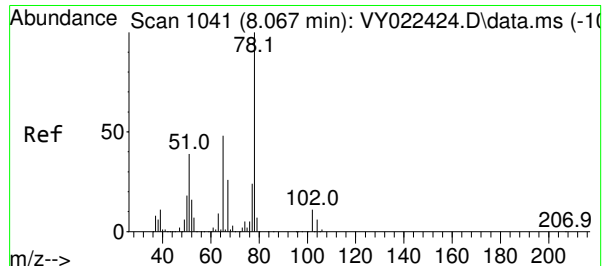
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#32
1,1,1-Trichloroethane
Concen: 19.923 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 97 Resp: 92540
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 47.2 37.3 55.9





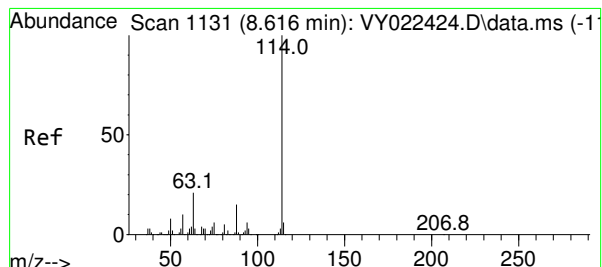
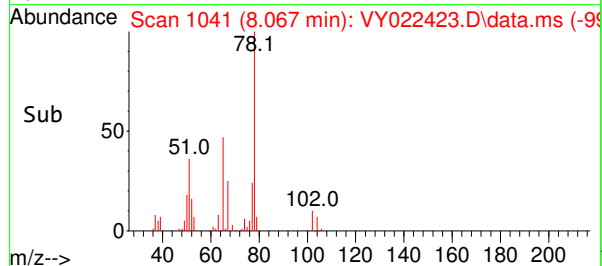
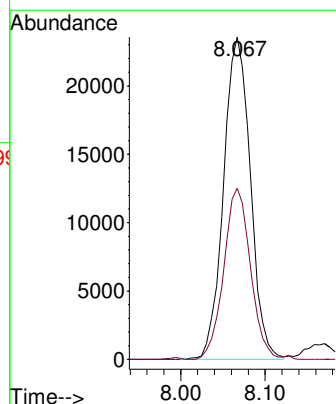
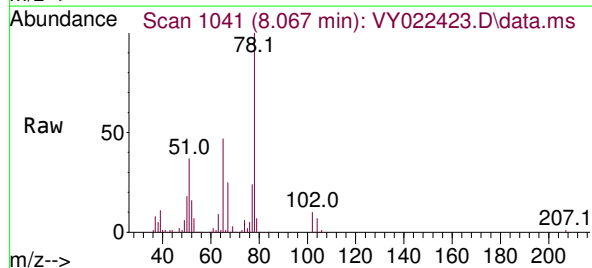
#33
1,2-Dichloroethane-d4
Concen: 19.622 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 5222
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.4

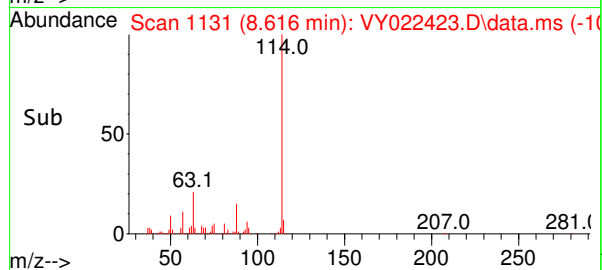
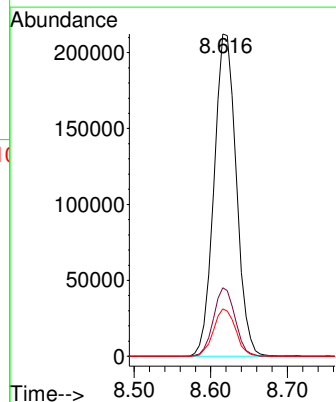
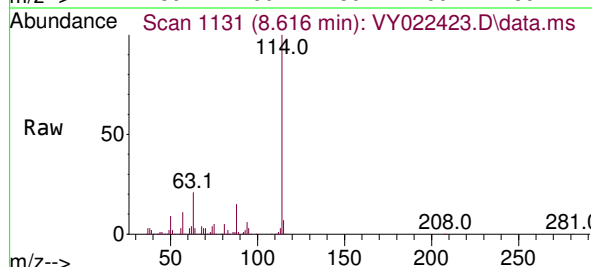
Manual Integrations
APPROVED

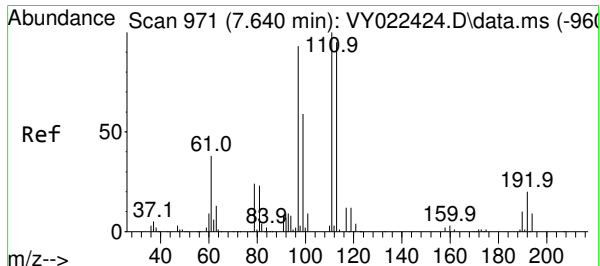
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:114 Resp: 427651
Ion Ratio Lower Upper
114 100
63 21.3 0.0 42.6
88 14.7 0.0 29.4





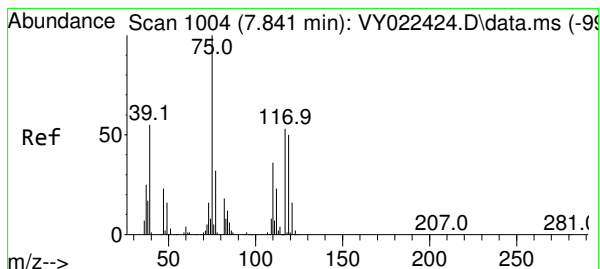
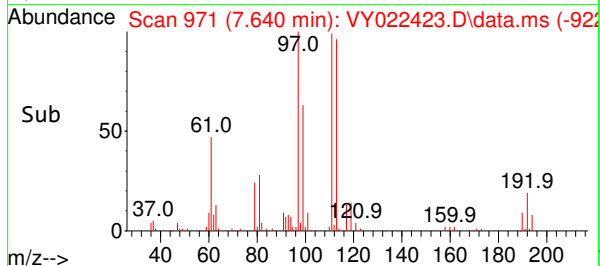
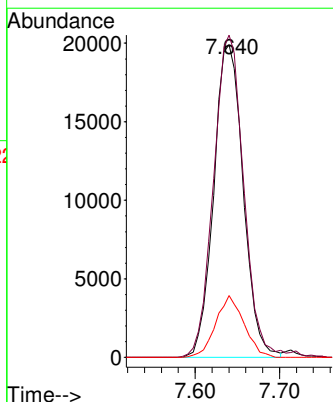
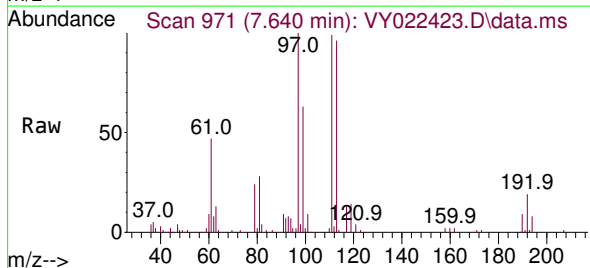
#35
Dibromofluoromethane
Concen: 19.331 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.3	82.4	123.6
192	19.0	15.2	22.8

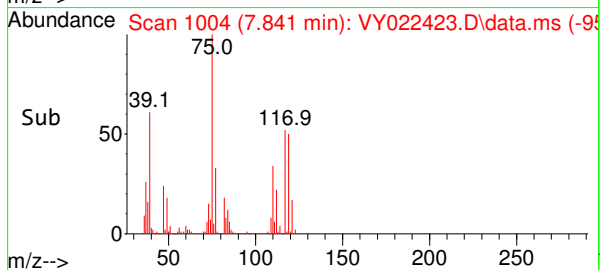
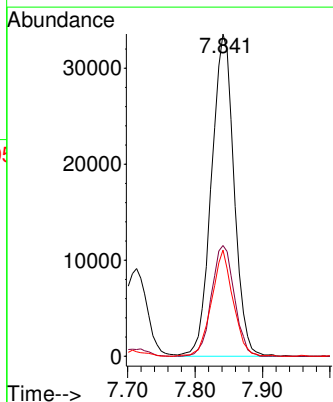
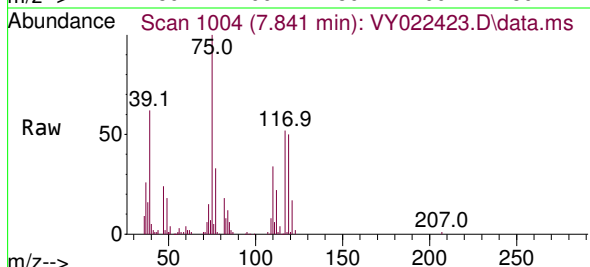
Manual Integrations
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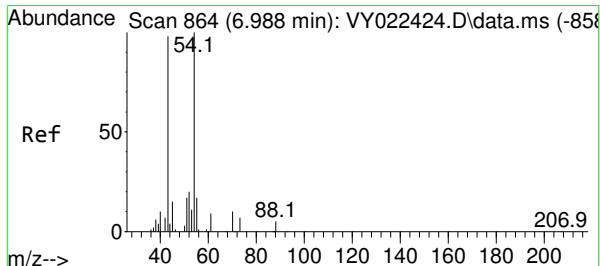
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#36
1,1-Dichloropropene
Concen: 19.594 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.1	51.2
77	31.3	25.1	37.7





#37

Ethyl Acetate

Concen: 19.462 ug/l

RT: 6.994 min Scan# 864

Delta R.T. 0.006 min

Lab File: VY022423.D

Acq: 27 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 3287

Ion Ratio Lower Upper

43 100

61 15.4 11.7 17.5

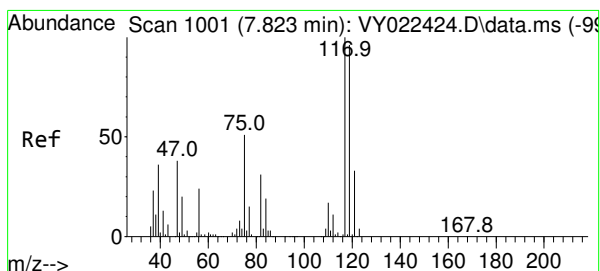
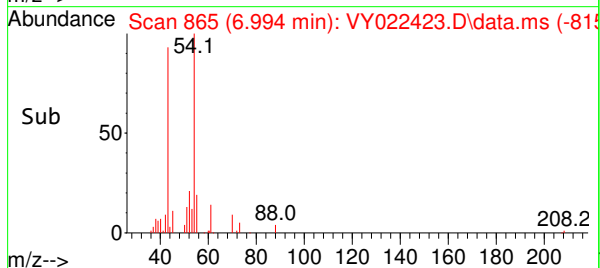
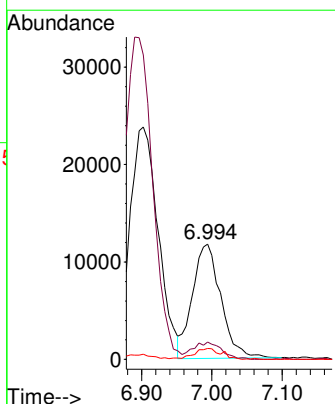
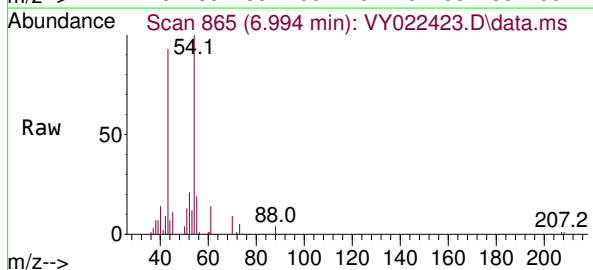
70 9.0 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#38

Carbon Tetrachloride

Concen: 19.468 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VY022423.D

Acq: 27 May 2025 09:36

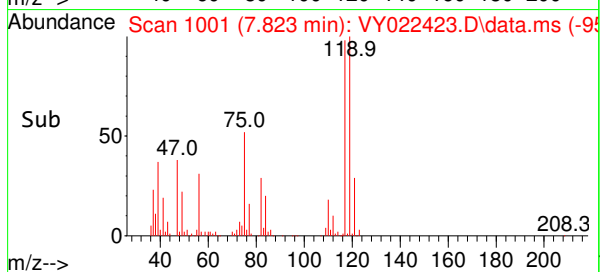
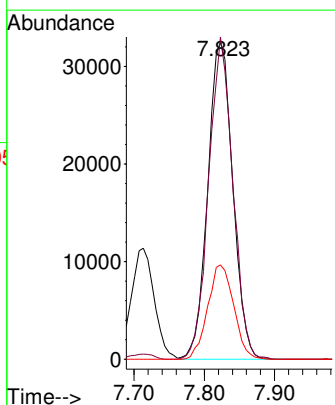
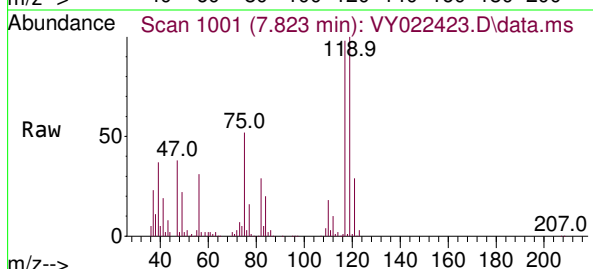
Tgt Ion:117 Resp: 80594

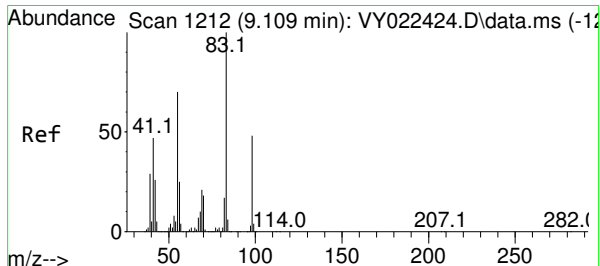
Ion Ratio Lower Upper

117 100

119 101.7 76.3 114.5

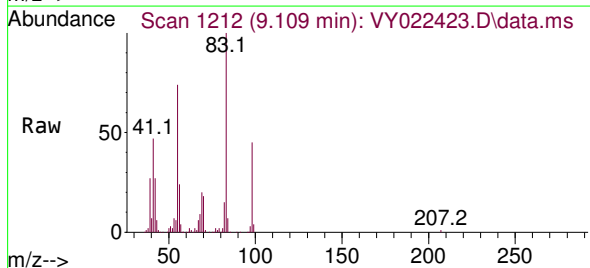
121 29.8 26.1 39.1





#39
Methylcyclohexane
Concen: 19.540 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

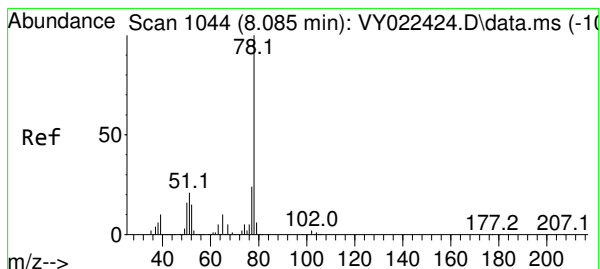
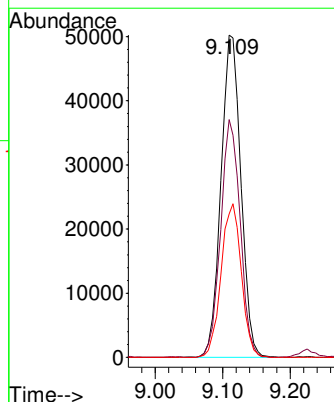
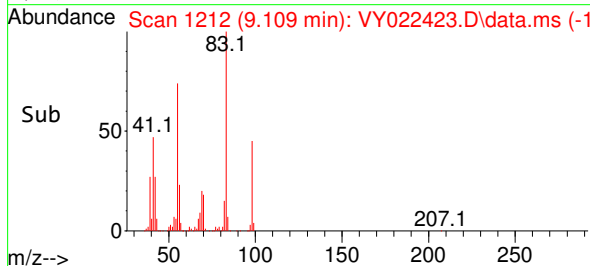
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 83 Resp: 10322
Ion Ratio Lower Upper
83 100
55 73.7 56.2 84.2
98 44.5 38.4 57.6

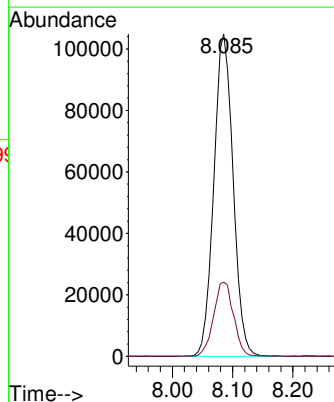
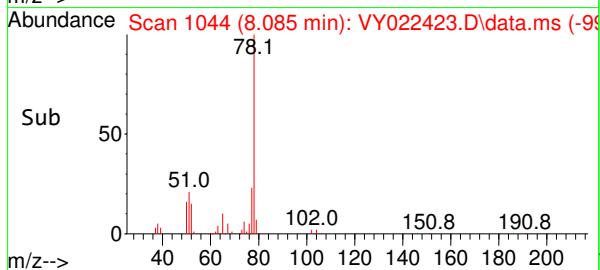
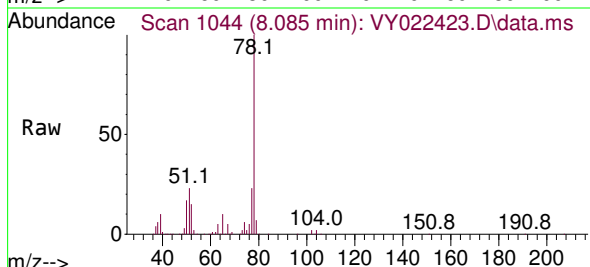
Manual Integrations
APPROVED

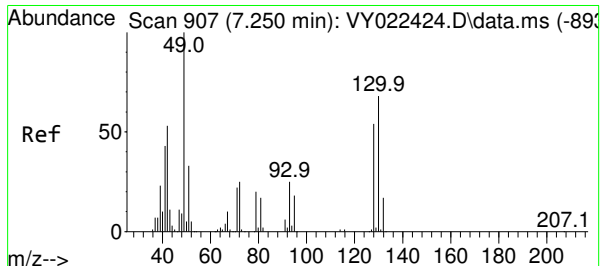
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#40
Benzene
Concen: 19.670 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

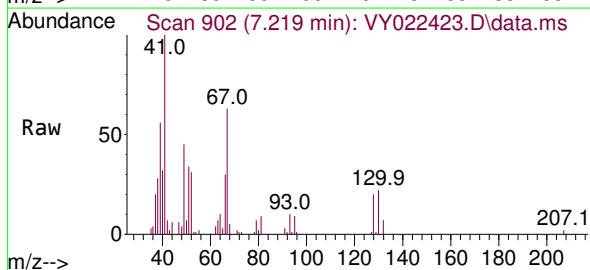
Tgt Ion: 78 Resp: 232606
Ion Ratio Lower Upper
78 100
77 23.0 19.4 29.2





#41
Methacrylonitrile
Concen: 8.609 ug/l
RT: 7.219 min Scan# 907
Delta R.T. -0.030 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

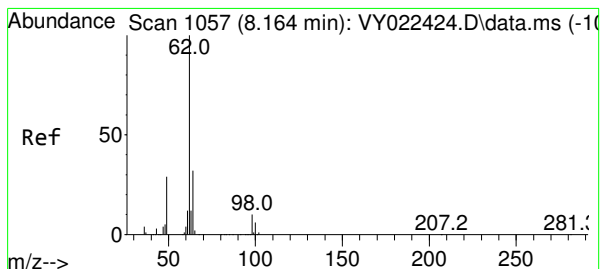
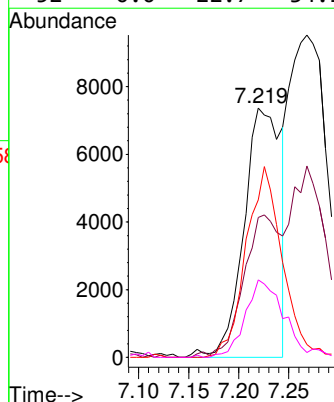
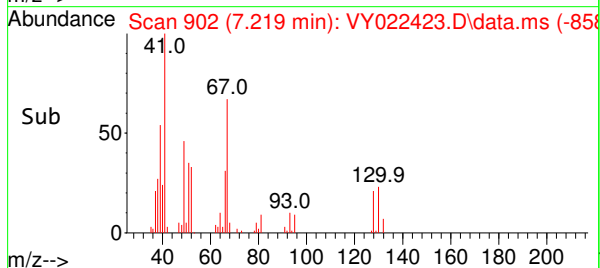
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 41 Resp: 1913
Ion Ratio Lower Upper
41 100
39 76.6 40.4 60.6
67 0.0 53.0 79.4
52 0.0 22.7 34.1#

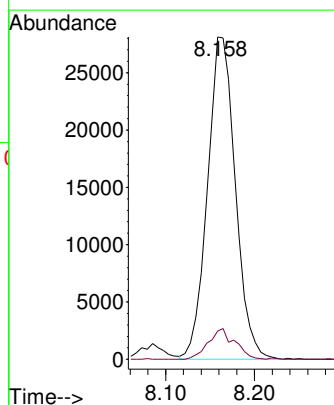
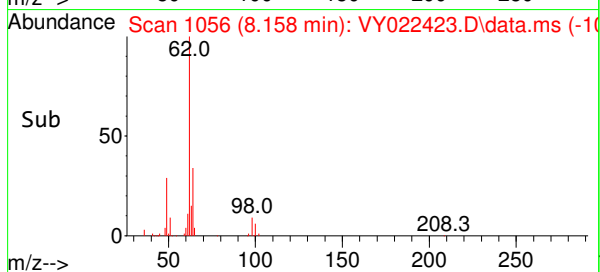
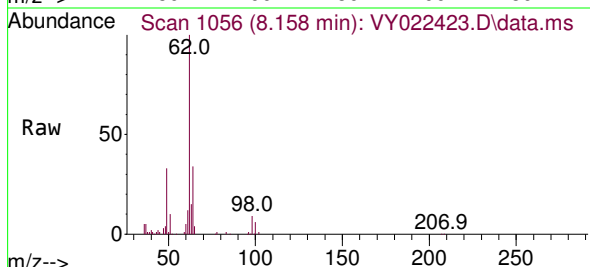
Manual Integrations
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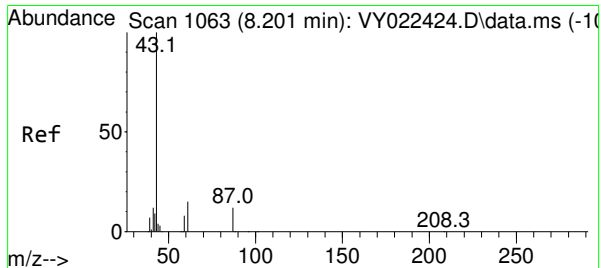
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#42
1,2-Dichloroethane
Concen: 19.699 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 62 Resp: 61523
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.4





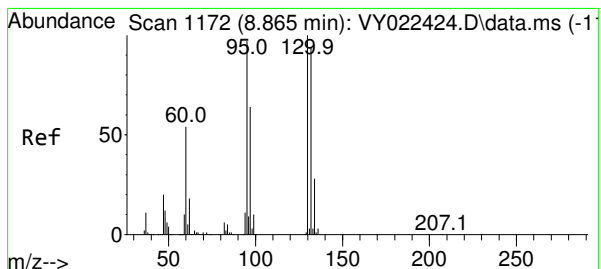
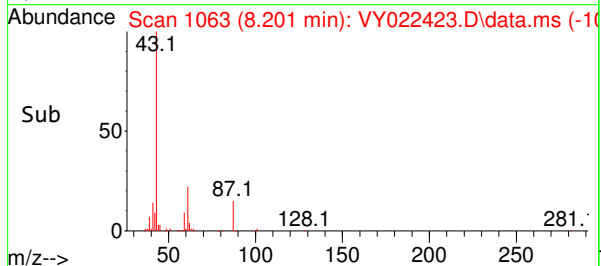
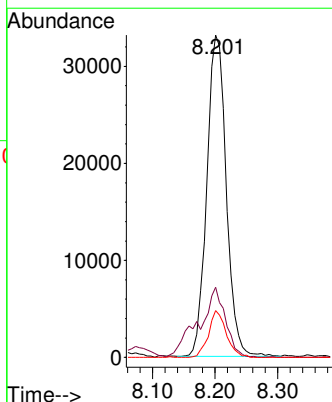
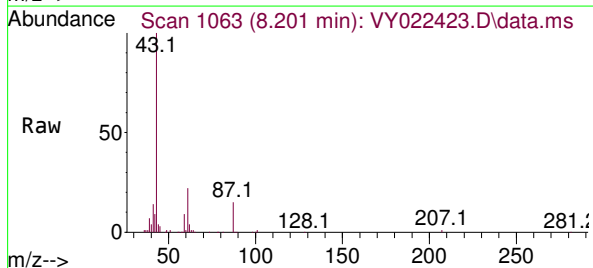
#43
Isopropyl Acetate
Concen: 19.483 ug/l
RT: 8.201 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.1	15.4	23.6
87	13.2	10.6	15.8

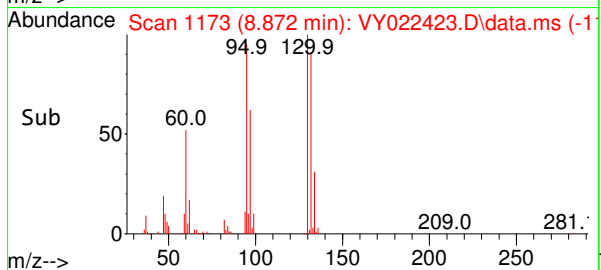
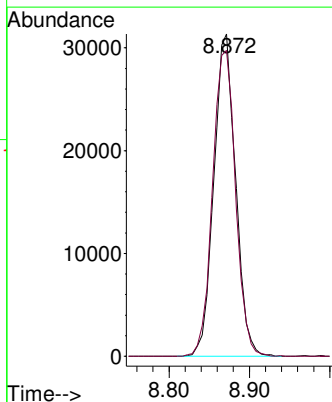
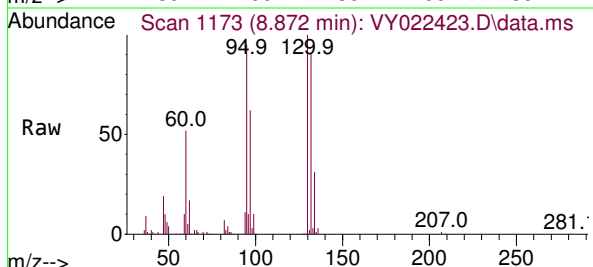
Manual Integrations
APPROVED

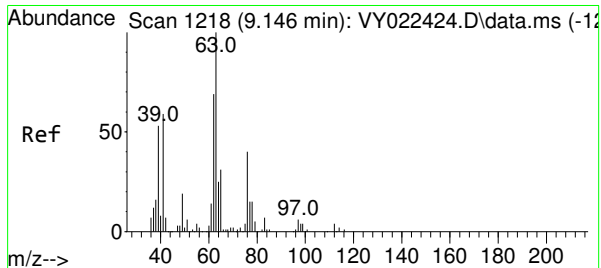
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#44
Trichloroethene
Concen: 20.135 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	194.8





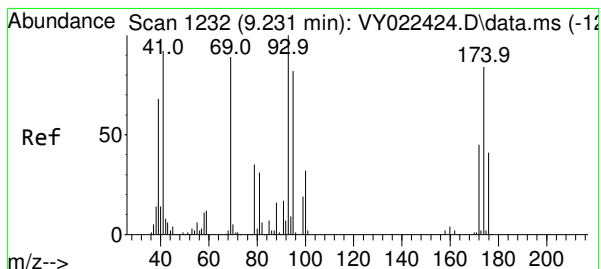
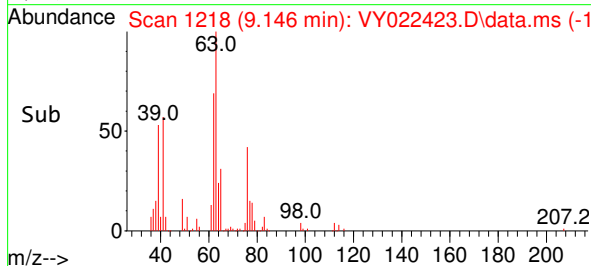
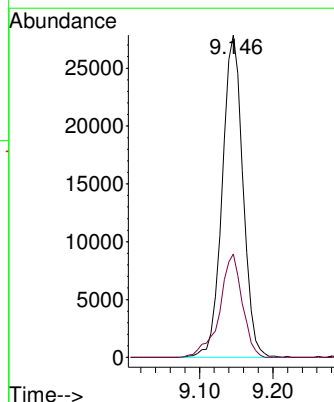
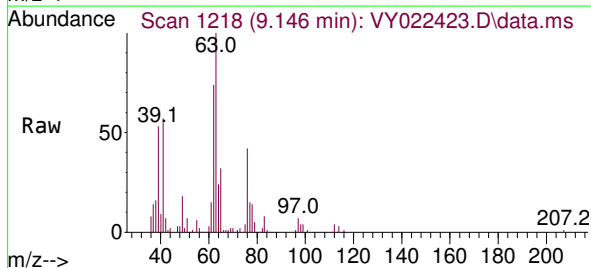
#45
1,2-Dichloropropane
Concen: 19.598 ug/l
RT: 9.146 min Scan# 1218
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 63 Resp: 5445
Ion Ratio Lower Upper
63 100
65 32.1 25.1 37.7

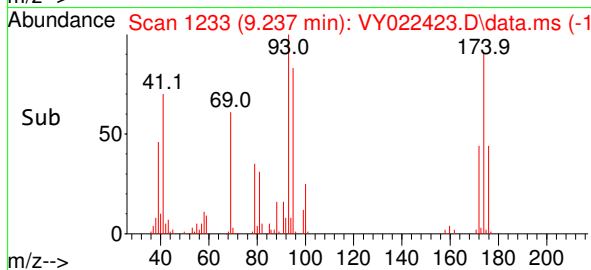
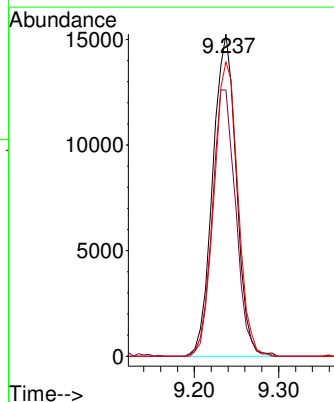
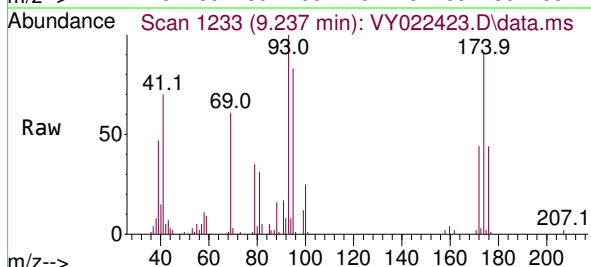
Manual Integrations
APPROVED

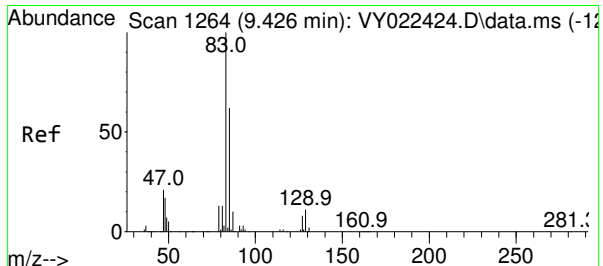
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#46
Dibromomethane
Concen: 19.122 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 93 Resp: 29679
Ion Ratio Lower Upper
93 100
95 82.0 66.2 99.2
174 92.5 71.1 106.7





#47

Bromodichloromethane

Concen: 19.250 ug/l

RT: 9.426 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VY022423.D

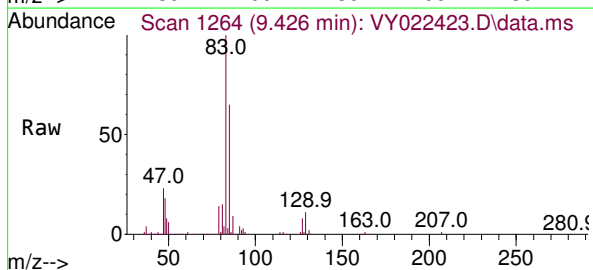
Acq: 27 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020



Tgt Ion: 83 Resp: 7683

Ion Ratio Lower Upper

83 100

85 64.6 49.8 74.6

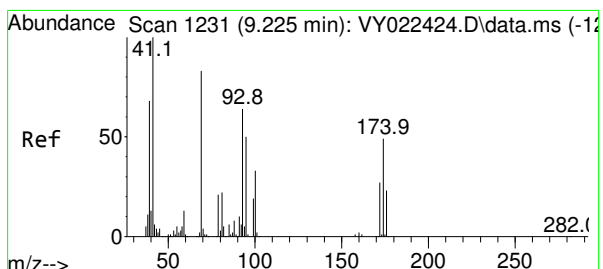
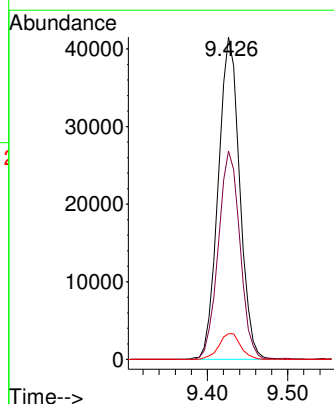
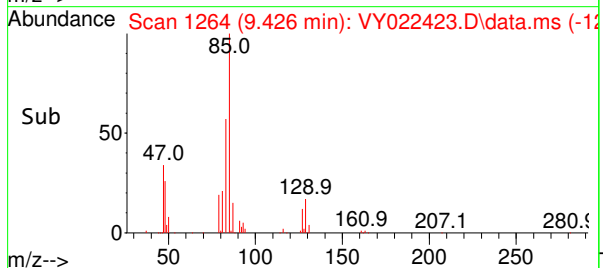
127 8.0 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#48

Methyl methacrylate

Concen: 19.218 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY022423.D

Acq: 27 May 2025 09:36

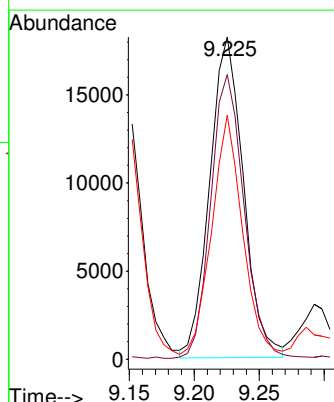
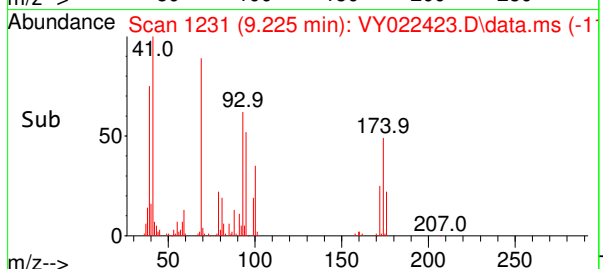
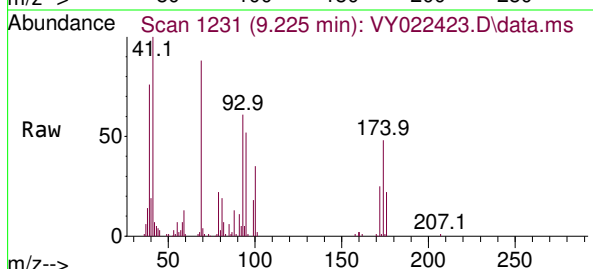
Tgt Ion: 41 Resp: 32925

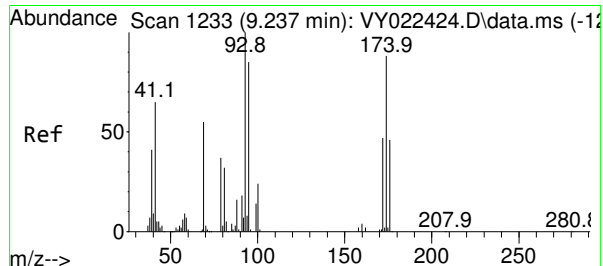
Ion Ratio Lower Upper

41 100

69 87.2 70.3 105.5

39 67.9 55.4 83.0





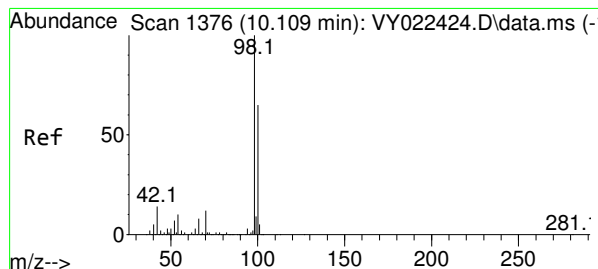
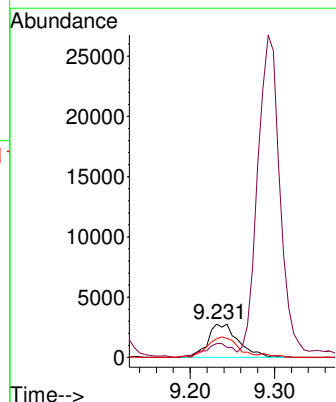
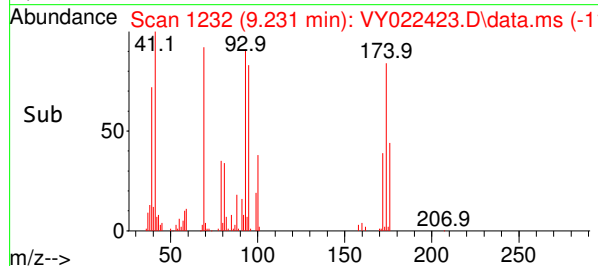
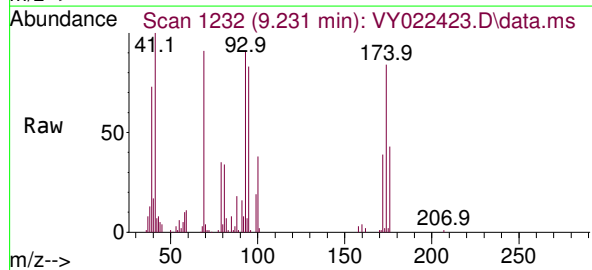
#49
1,4-Dioxane
Concen: 403.829 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 692
Ion Ratio Lower Upper
88 100
43 37.7 26.9 40.3
58 61.5 55.8 83.6

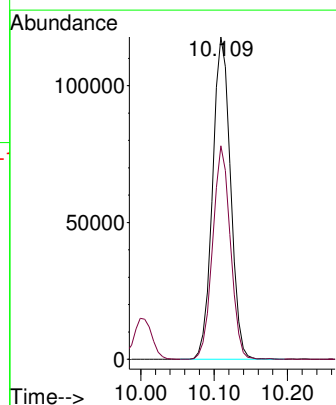
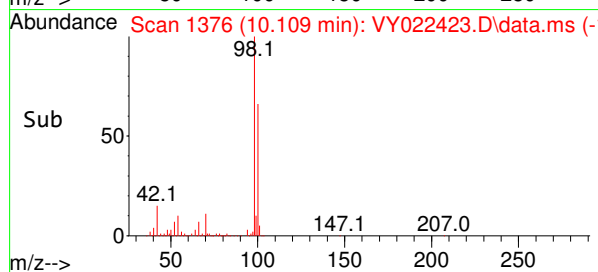
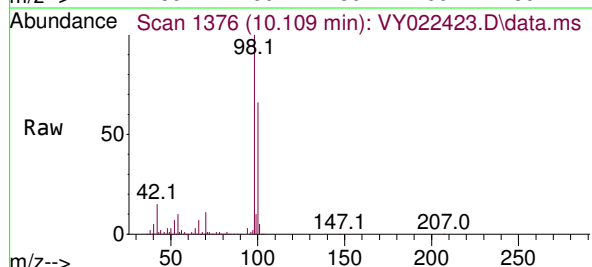
Manual Integrations
APPROVED

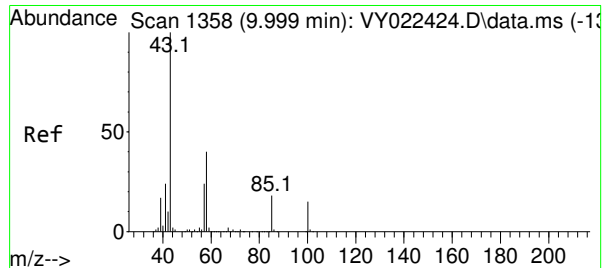
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#50
Toluene-d8
Concen: 19.571 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 98 Resp: 199816
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2





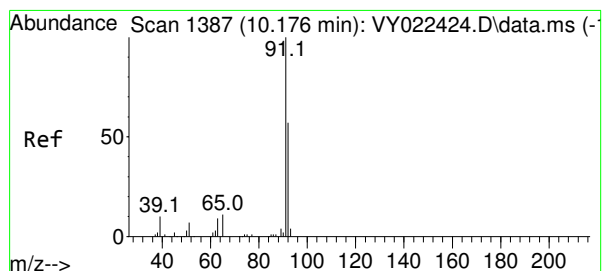
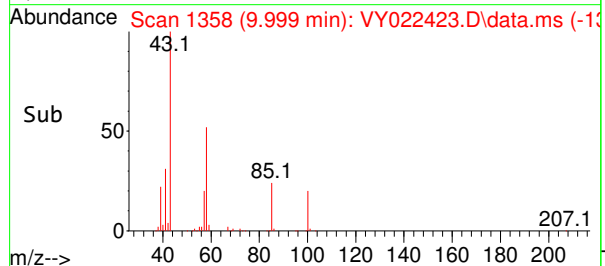
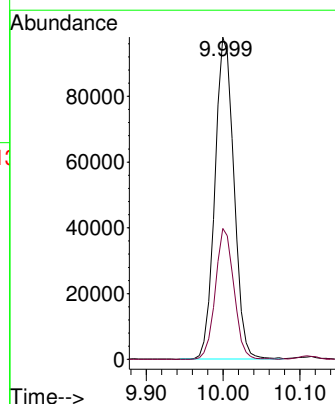
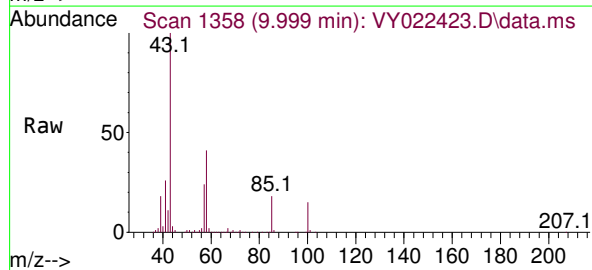
#51
4-Methyl-2-Pentanone
Concen: 92.837 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 16905
Ion Ratio Lower Upper
43 100
58 39.6 31.2 46.8

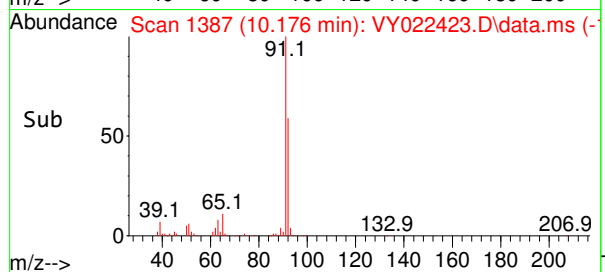
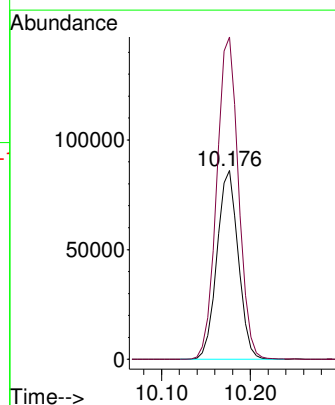
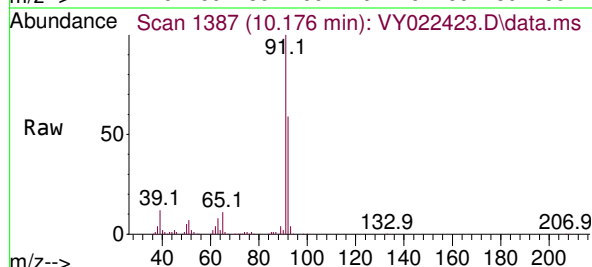
Manual Integrations
APPROVED

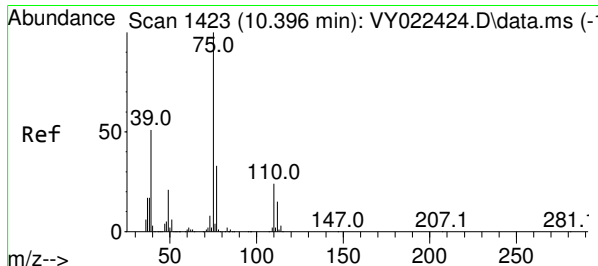
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#52
Toluene
Concen: 19.489 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 92 Resp: 143949
Ion Ratio Lower Upper
92 100
91 174.8 139.8 209.6





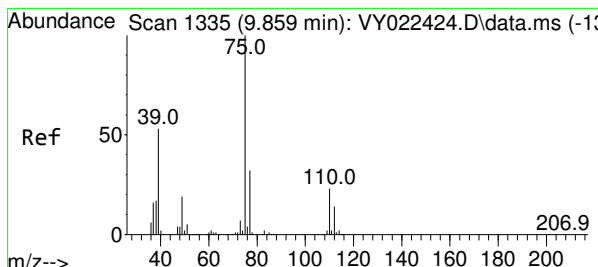
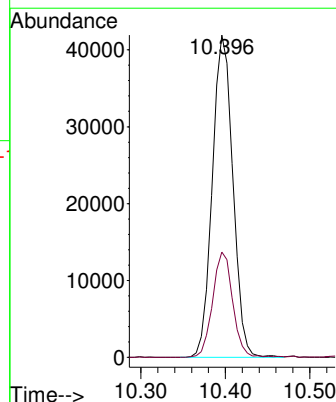
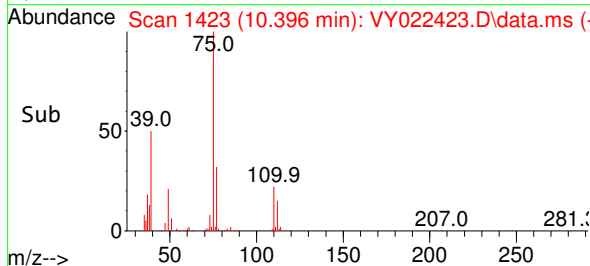
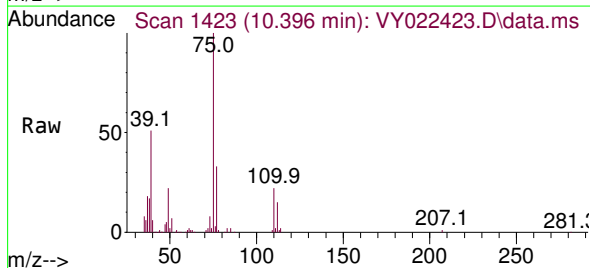
#53
t-1,3-Dichloropropene
Concen: 19.160 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 7123
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2

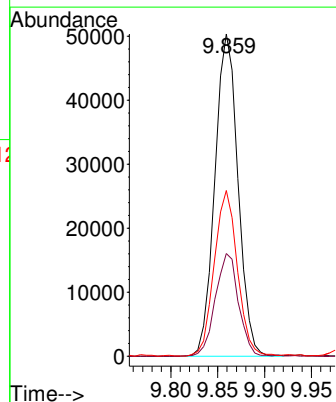
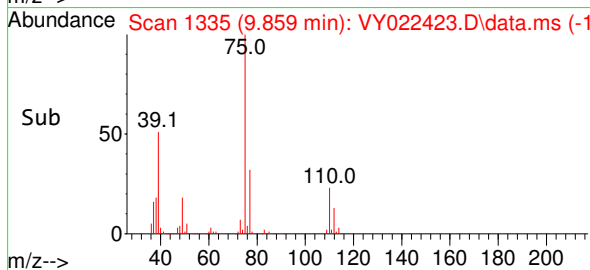
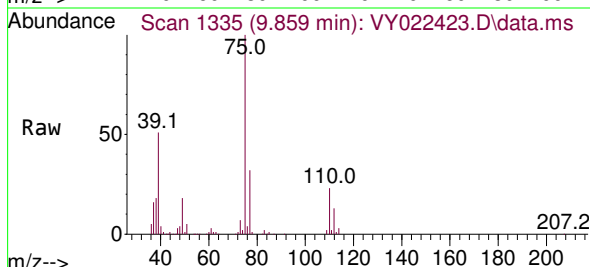
Manual Integrations
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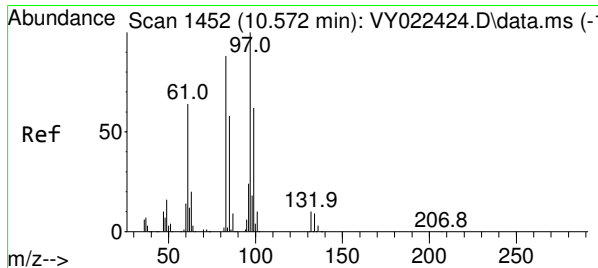
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#54
cis-1,3-Dichloropropene
Concen: 19.747 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 75 Resp: 86263
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
39 51.2 42.5 63.7





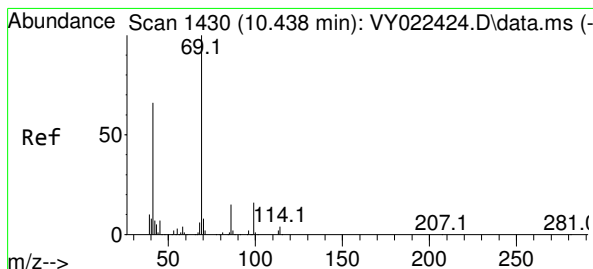
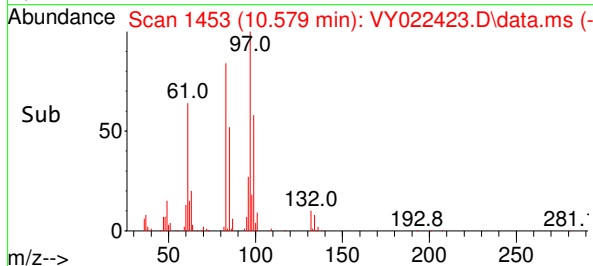
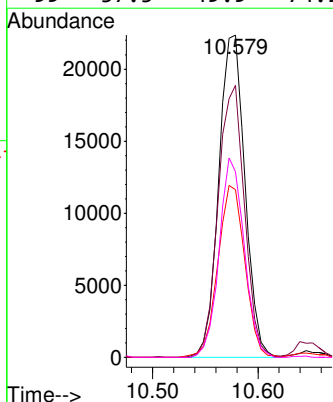
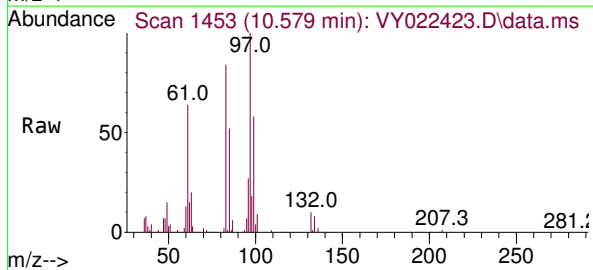
#55
1,1,2-Trichloroethane
Concen: 19.713 ug/l
RT: 10.579 min Scan# 1452
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:	97	Resp:	3868
Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.2	105.4
85	52.0	46.1	69.1
99	57.5	49.9	74.9

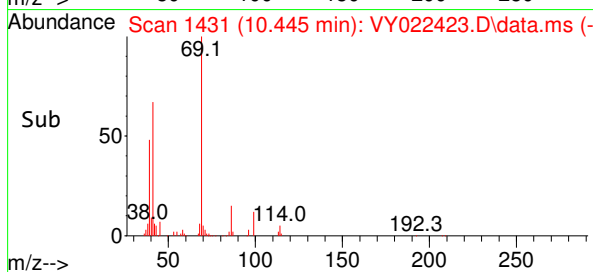
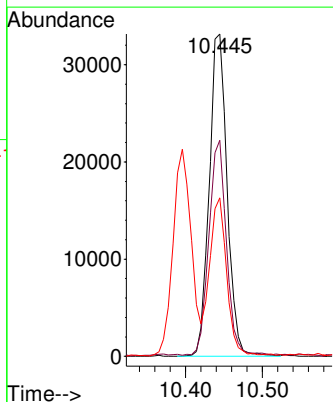
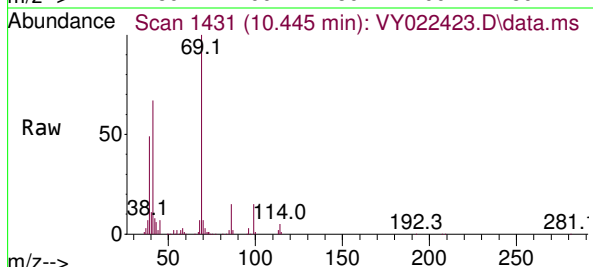
Manual Integrations
APPROVED

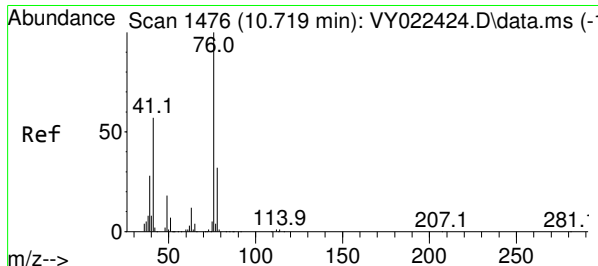
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#56
Ethyl methacrylate
Concen: 19.140 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:	69	Resp:	53900
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.2	76.8
39	45.7	35.2	52.8





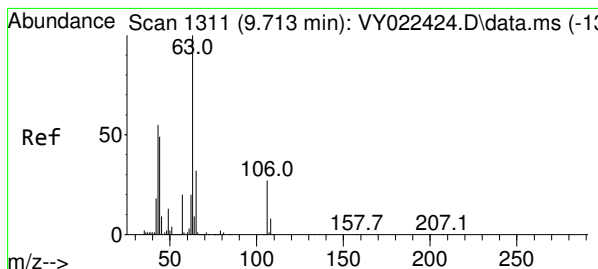
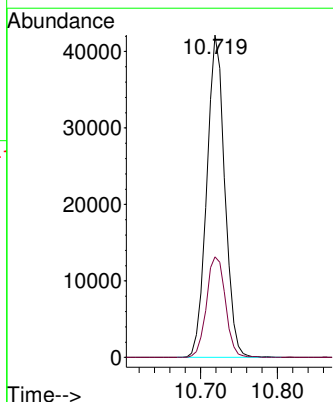
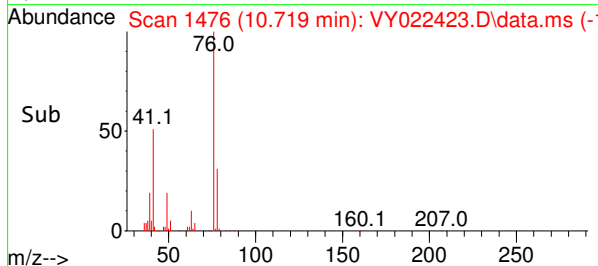
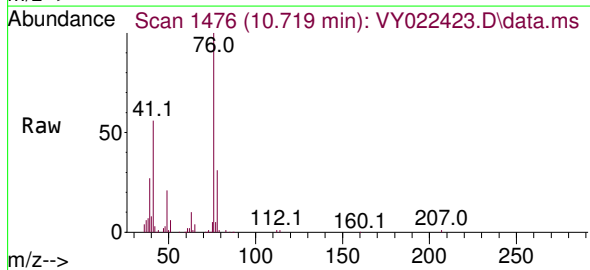
#57
1,3-Dichloropropane
Concen: 19.893 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 6879
Ion Ratio Lower Upper
76 100
78 32.8 25.8 38.8

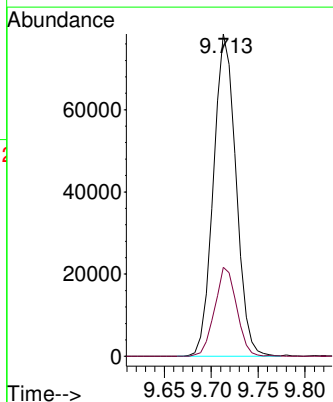
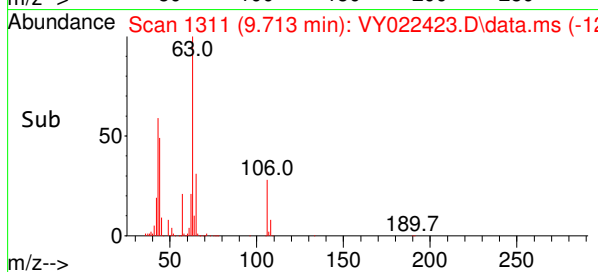
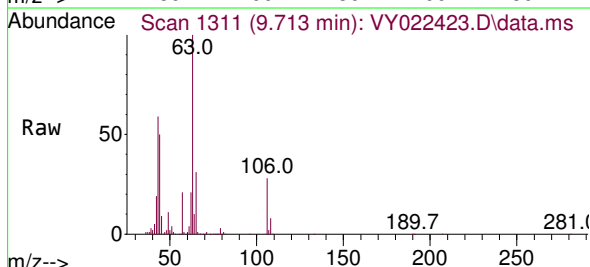
Manual Integrations
APPROVED

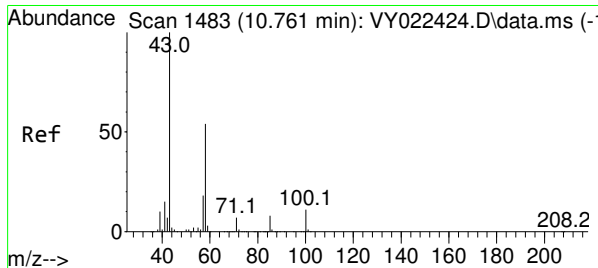
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 93.311 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 63 Resp: 130961
Ion Ratio Lower Upper
63 100
106 26.9 22.2 33.2





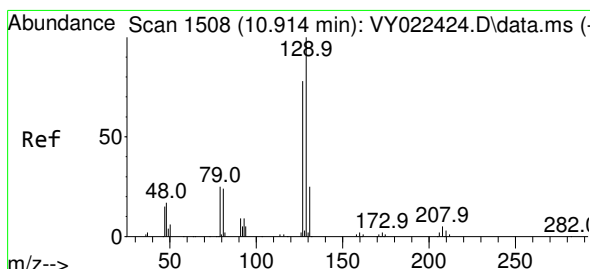
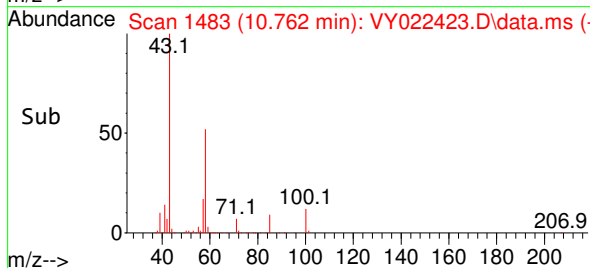
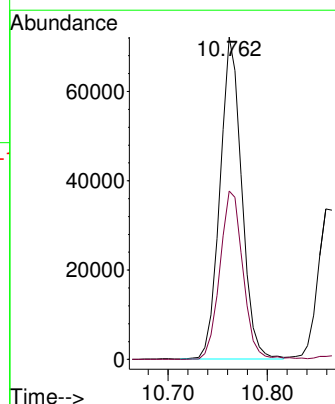
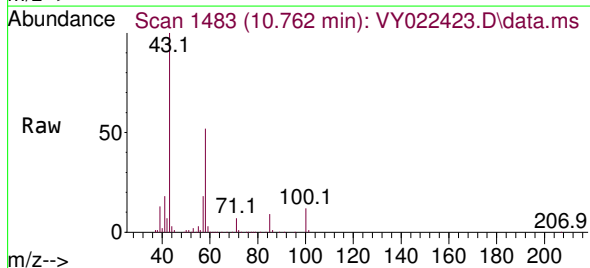
#59
2-Hexanone
Concen: 92.136 ug/l
RT: 10.762 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 10995
Ion Ratio Lower Upper
43 100
58 55.9 27.1 81.2

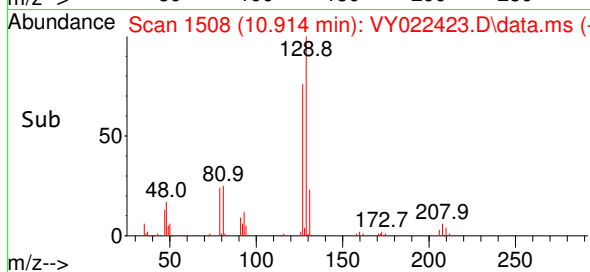
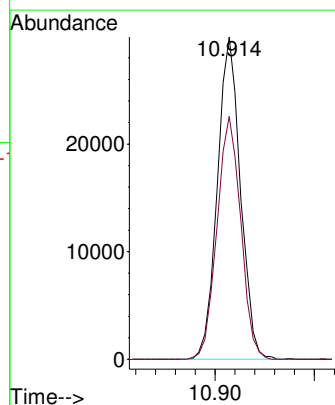
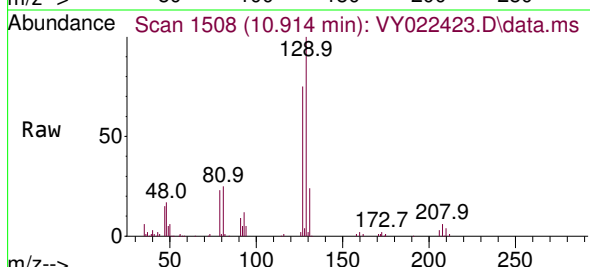
Manual Integrations
APPROVED

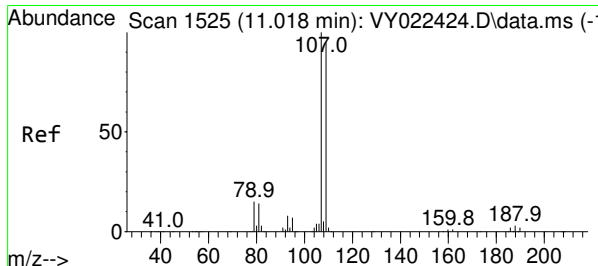
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#60
Dibromochloromethane
Concen: 19.384 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:129 Resp: 48590
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





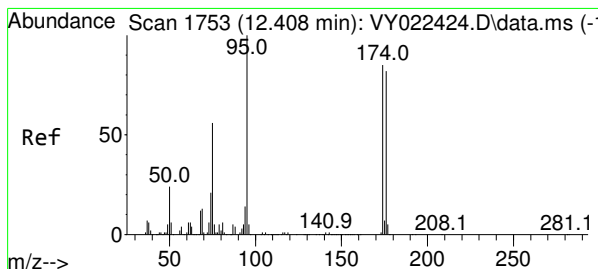
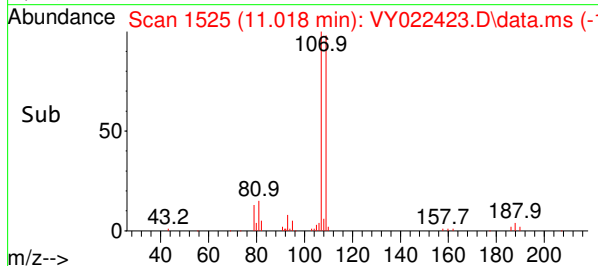
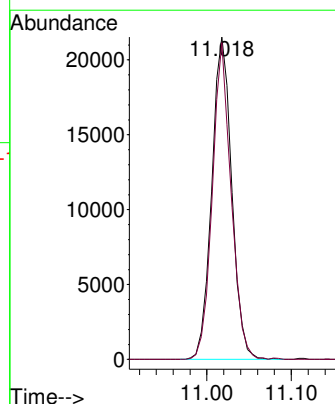
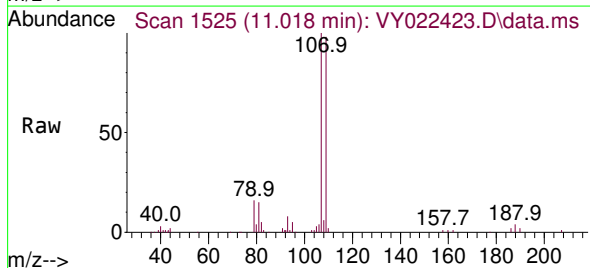
#61
1,2-Dibromoethane
Concen: 19.746 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 107 Resp: 3544
Ion Ratio Lower Upper
107 100
109 92.4 74.0 111.6

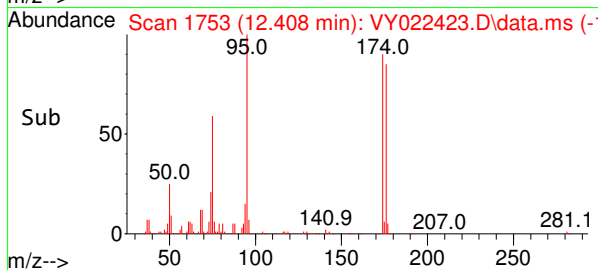
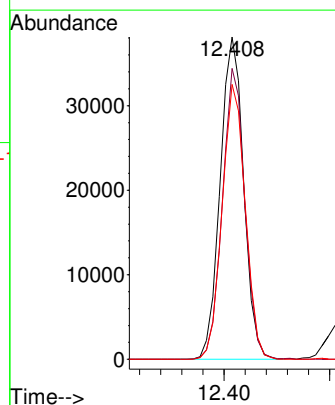
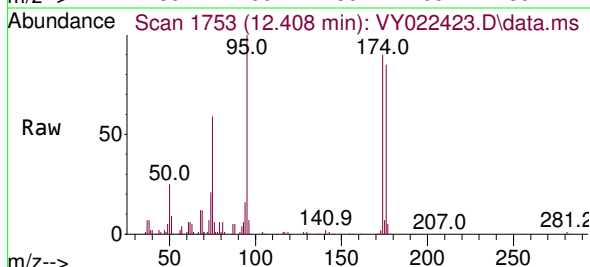
Manual Integrations
APPROVED

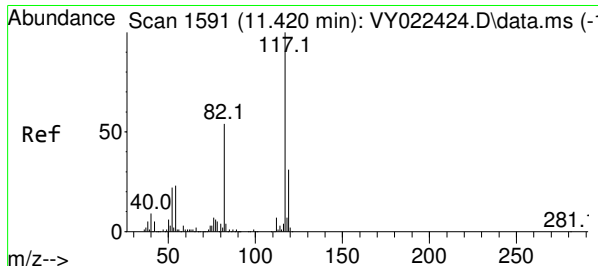
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#62
4-Bromofluorobenzene
Concen: 19.112 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 95 Resp: 59022
Ion Ratio Lower Upper
95 100
174 86.3 0.0 171.6
176 84.2 0.0 164.6





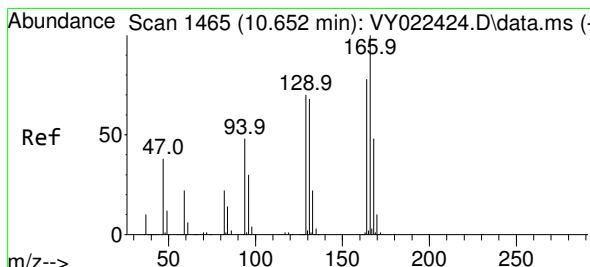
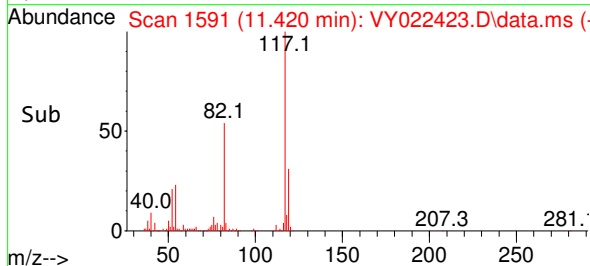
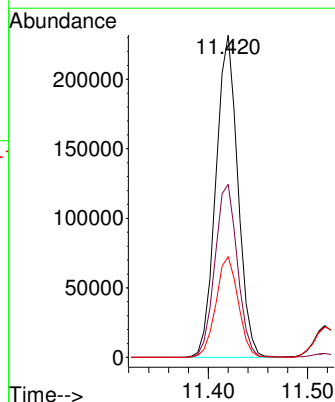
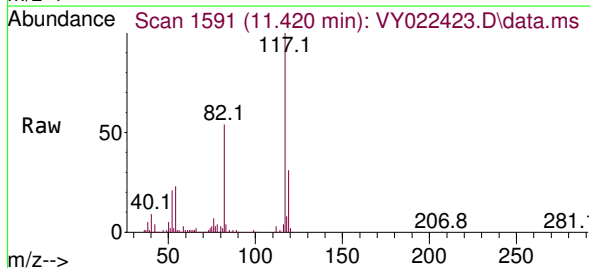
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:	117	Resp:	35889
Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.3	64.9
119	31.3	24.5	36.7

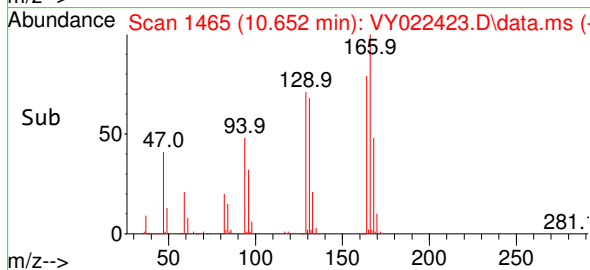
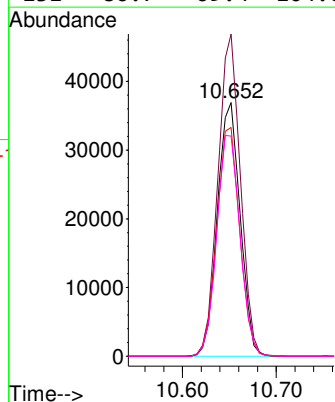
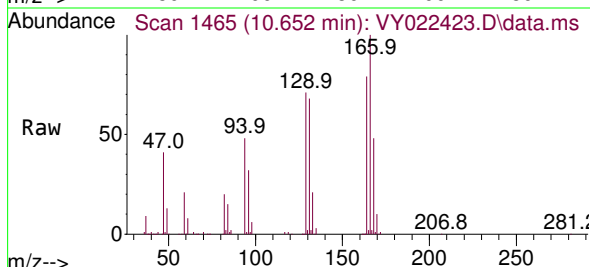
Manual Integrations
APPROVED

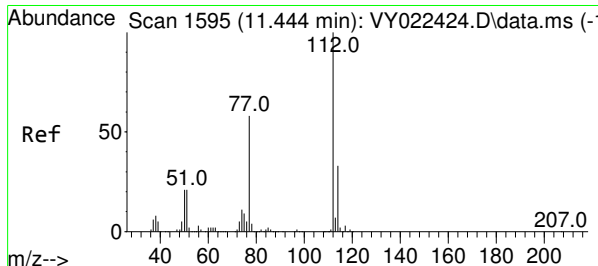
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#64
Tetrachloroethene
Concen: 20.357 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:	164	Resp:	62224
Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.0	153.0
129	90.2	71.3	106.9
131	86.7	69.4	104.0





#65

Chlorobenzene

Concen: 19.709 ug/l

RT: 11.444 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022423.D

Acq: 27 May 2025 09:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 15082

Ion Ratio Lower Upper

112 100

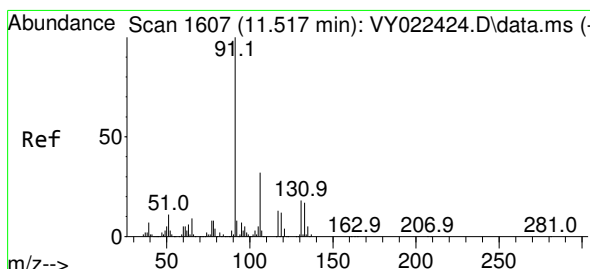
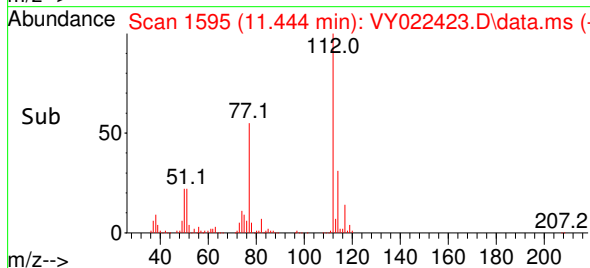
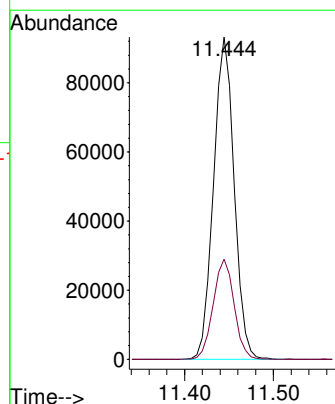
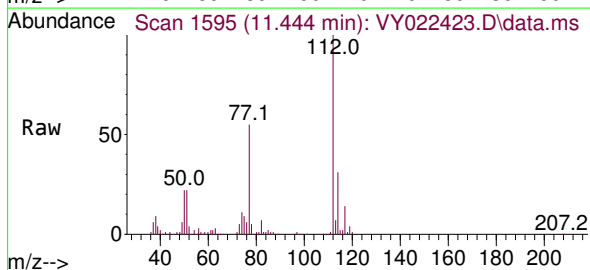
114 31.1 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 19.371 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022423.D

Acq: 27 May 2025 09:36

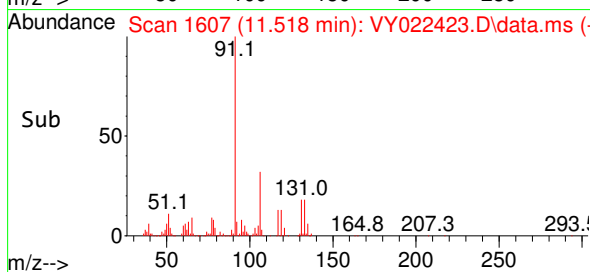
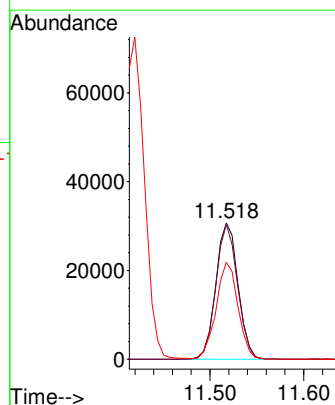
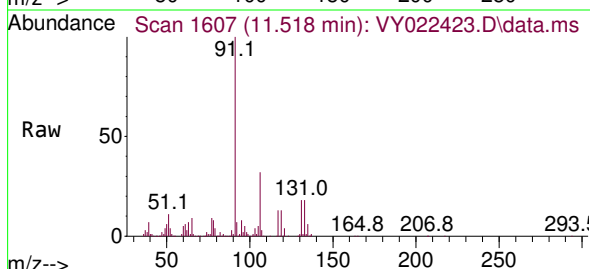
Tgt Ion:131 Resp: 50226

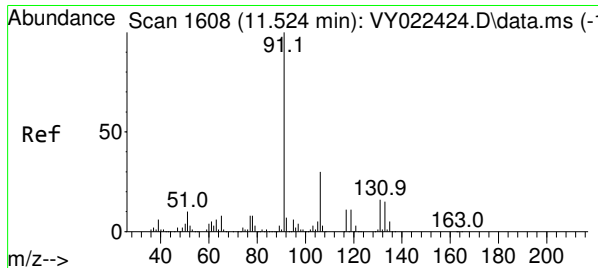
Ion Ratio Lower Upper

131 100

133 96.4 46.6 139.8

119 70.4 33.3 99.8





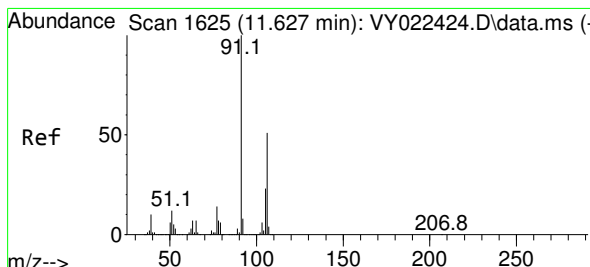
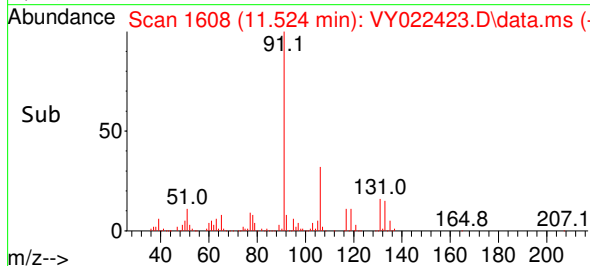
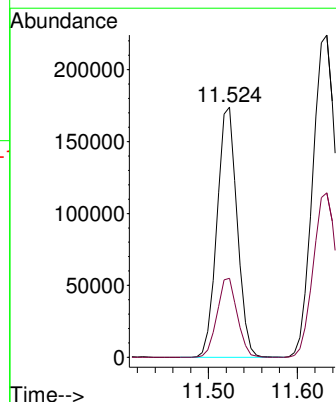
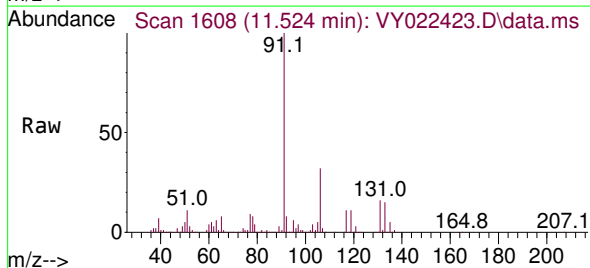
#67
Ethyl Benzene
Concen: 19.399 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 27565
Ion Ratio Lower Upper
91 100
106 31.6 24.4 36.6

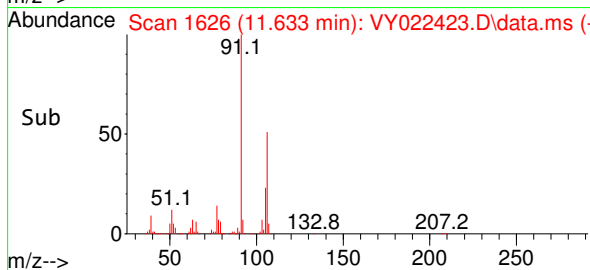
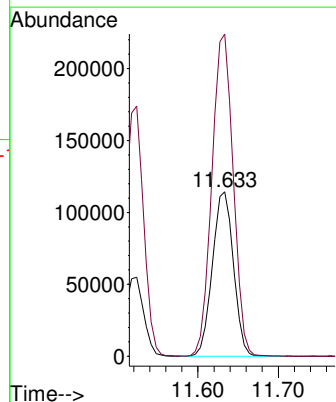
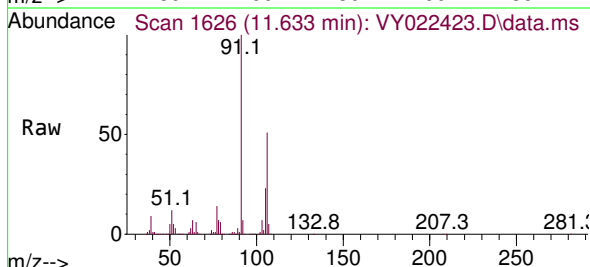
Manual Integrations
APPROVED

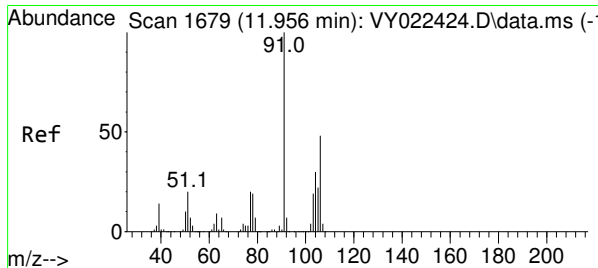
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#68
m/p-Xylenes
Concen: 38.557 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:106 Resp: 207724
Ion Ratio Lower Upper
106 100
91 198.7 159.8 239.8





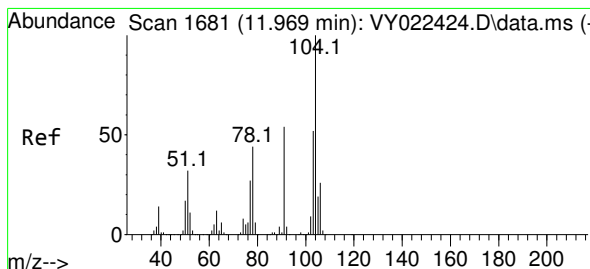
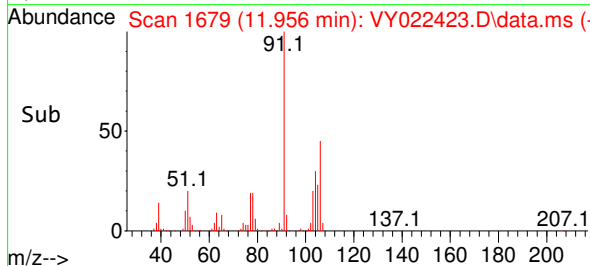
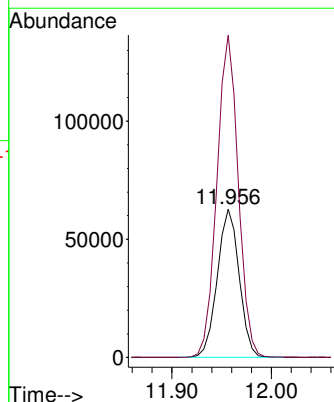
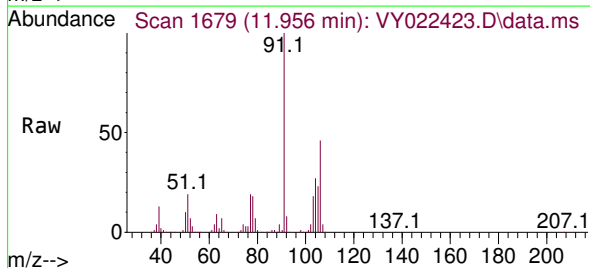
#69
o-Xylene
Concen: 19.075 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 9658
Ion Ratio Lower Upper
106 100
91 212.9 106.3 318.9

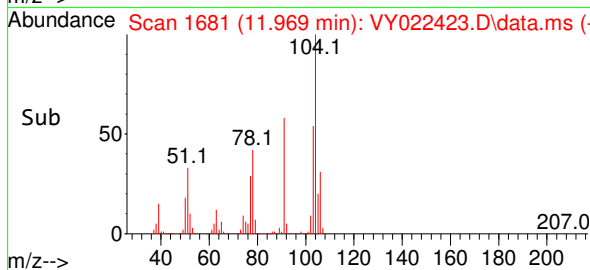
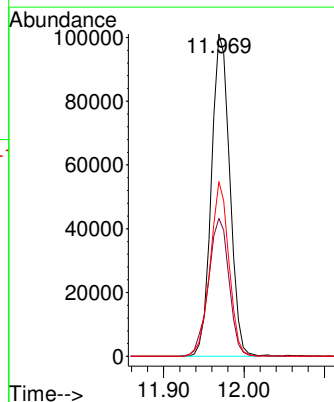
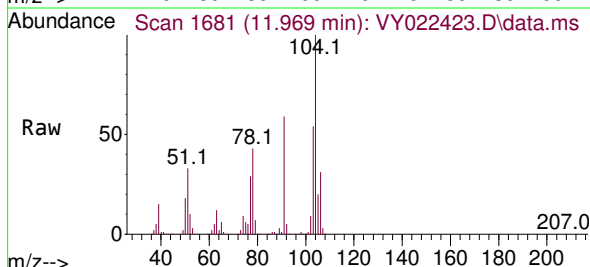
Manual Integrations
APPROVED

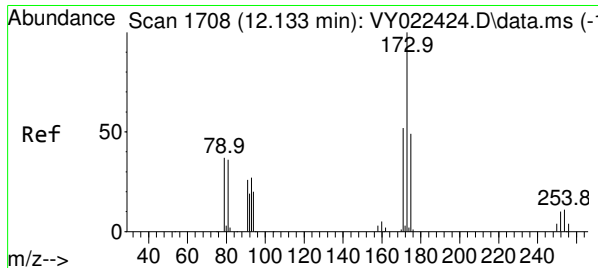
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#70
Styrene
Concen: 19.023 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:104 Resp: 160384
Ion Ratio Lower Upper
104 100
78 47.9 38.8 58.2
103 55.4 43.4 65.2





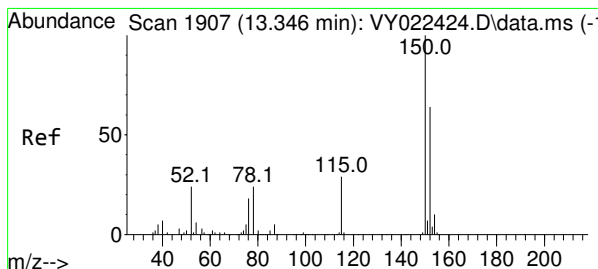
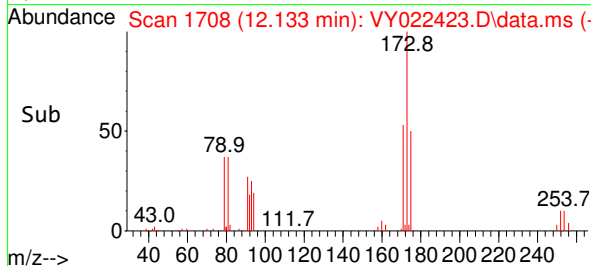
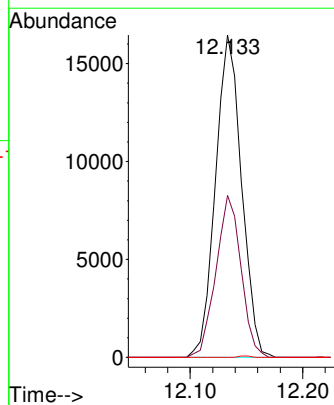
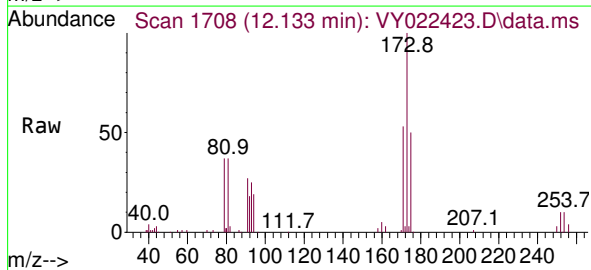
#71
Bromoform
Concen: 19.415 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.2	0.1	0.1

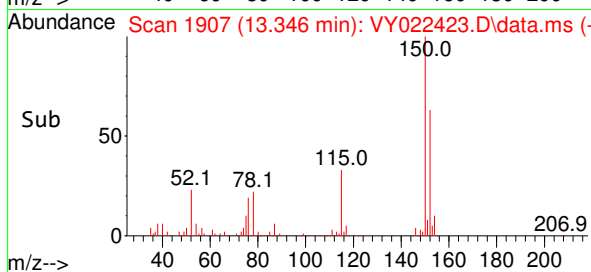
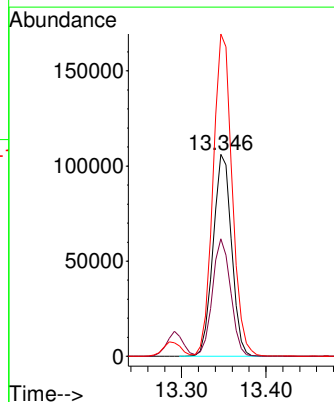
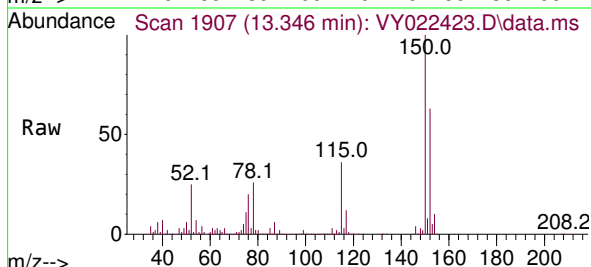
Manual Integrations
APPROVED

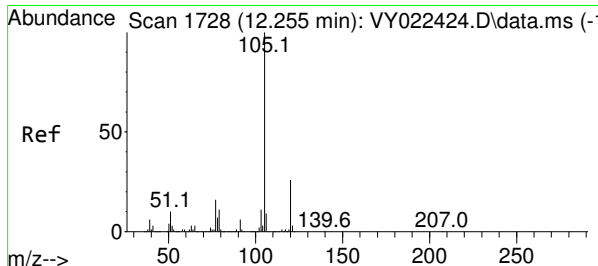
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.4	85.3
150	164.9	0.0	345.8





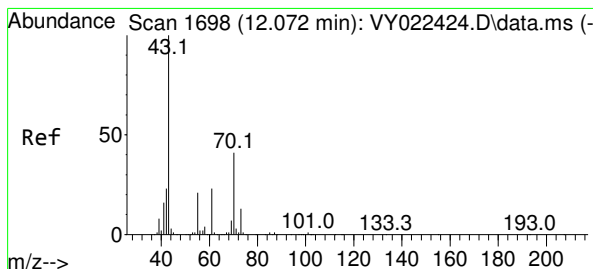
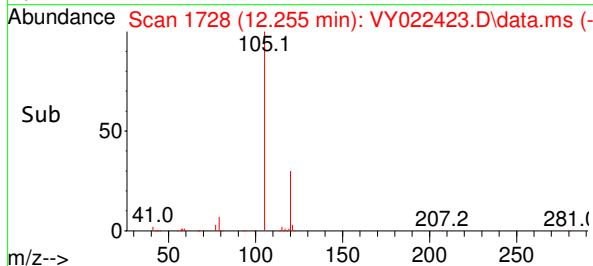
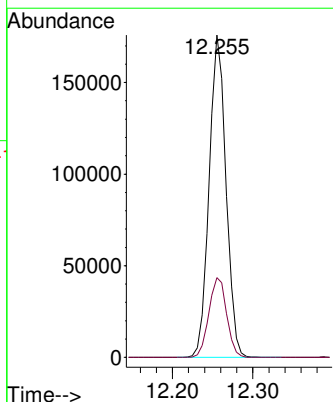
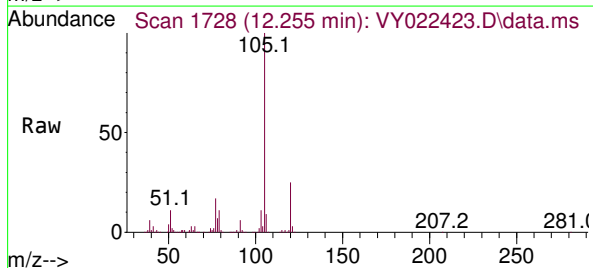
#73
Isopropylbenzene
Concen: 20.053 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 105 Resp: 25575
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5

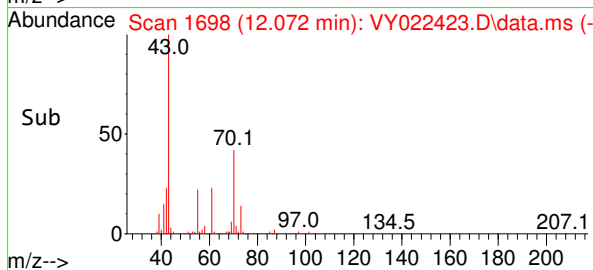
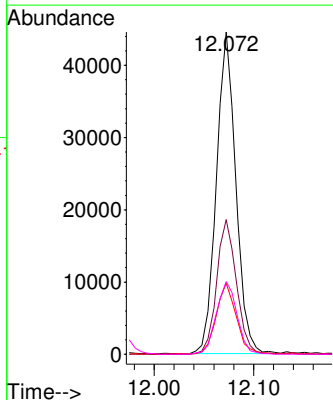
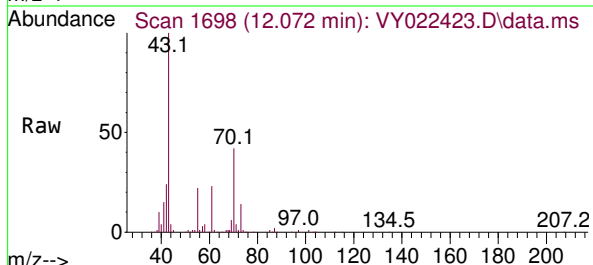
Manual Integrations
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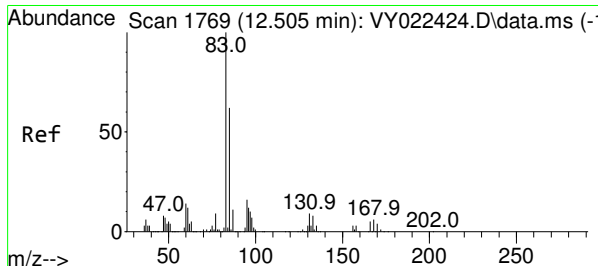
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#74
N-ethyl acetate
Concen: 19.558 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 43 Resp: 61037
Ion Ratio Lower Upper
43 100
70 42.7 33.0 49.4
55 23.2 17.5 26.3
61 24.1 19.0 28.6





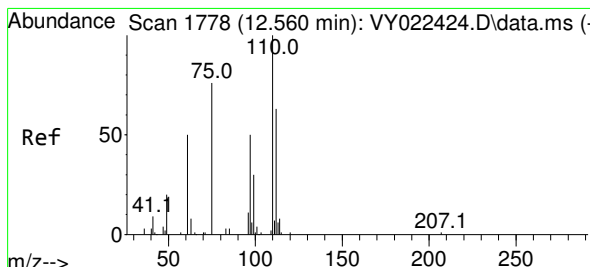
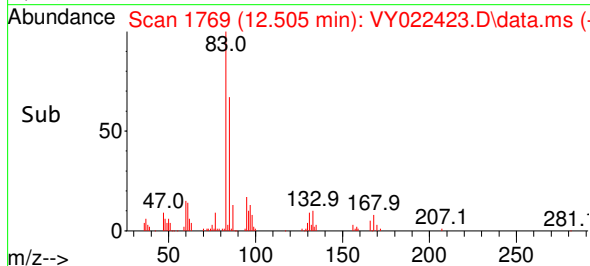
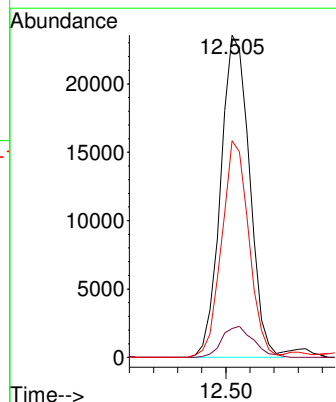
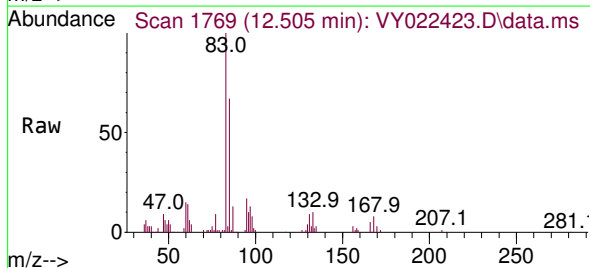
#75
1,1,2,2-Tetrachloroethane
Concen: 19.472 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.8	14.4
85	63.5	32.0	96.2

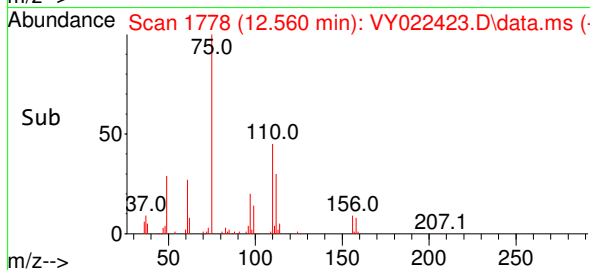
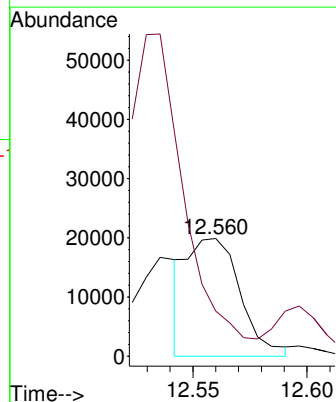
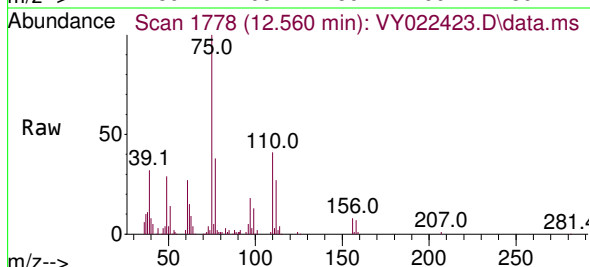
Manual Integrations
APPROVED

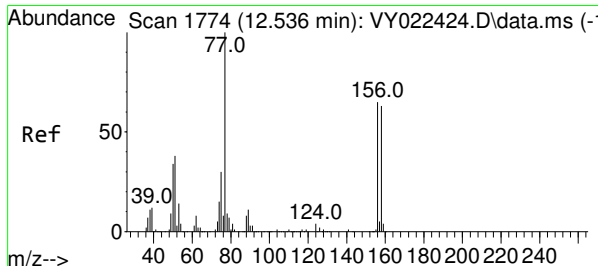
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#76
1,2,3-Trichloropropane
Concen: 12.094 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





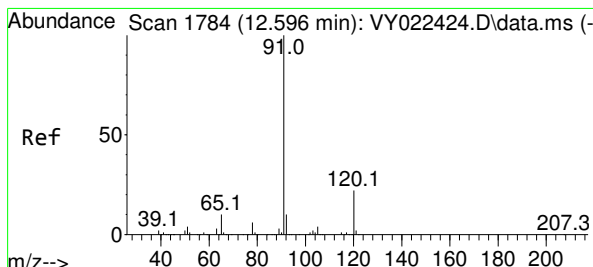
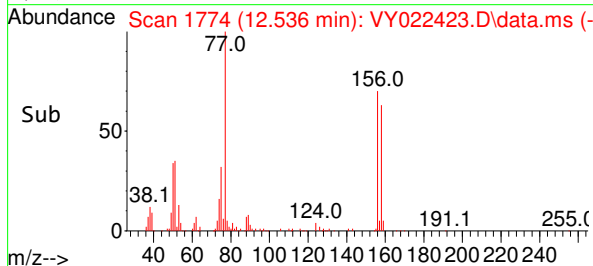
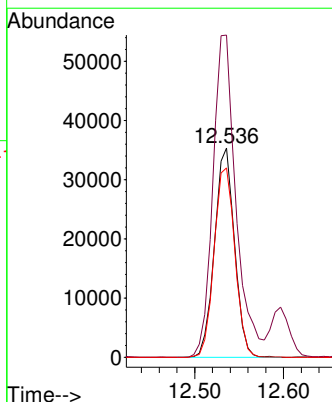
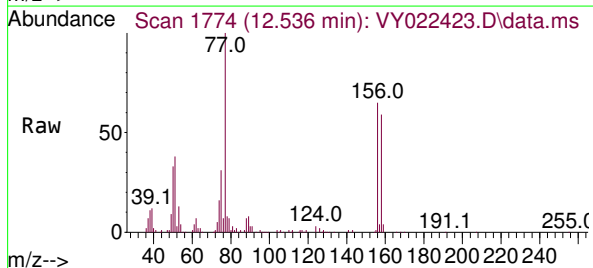
#77
Bromobenzene
Concen: 20.273 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion	Ratio	Lower	Upper
156	100		
77	178.1	91.4	274.2
158	94.6	48.1	144.3

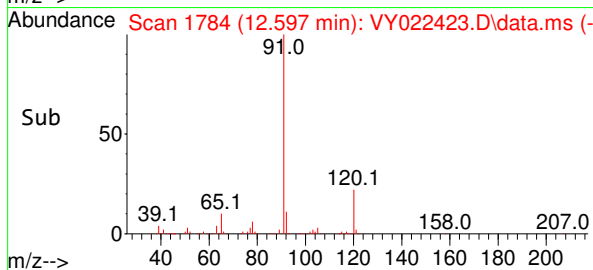
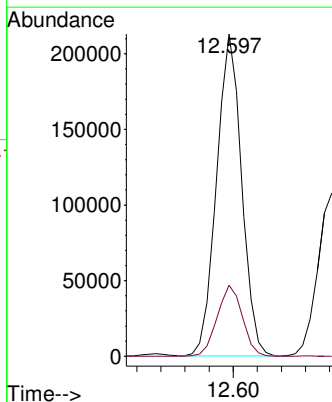
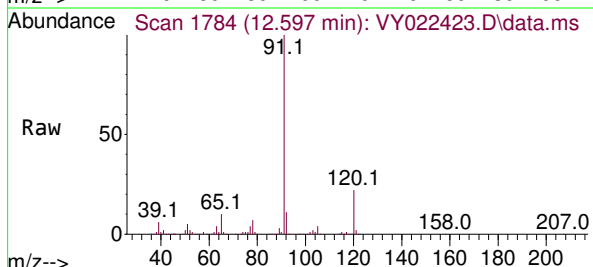
Manual Integrations
APPROVED

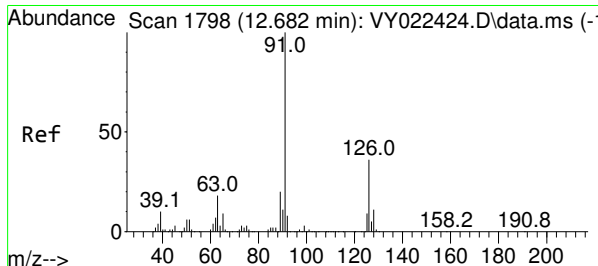
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#78
n-propylbenzene
Concen: 20.024 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.5





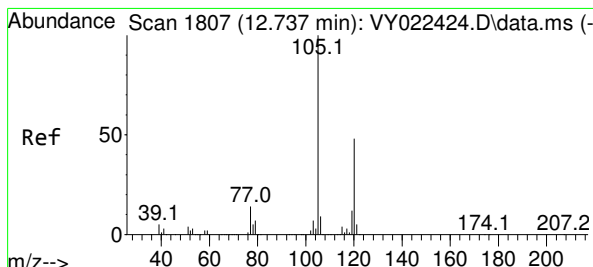
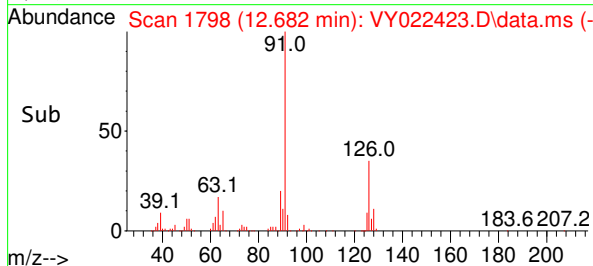
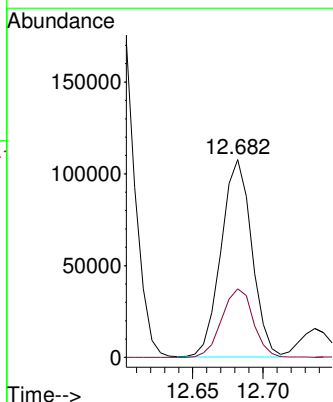
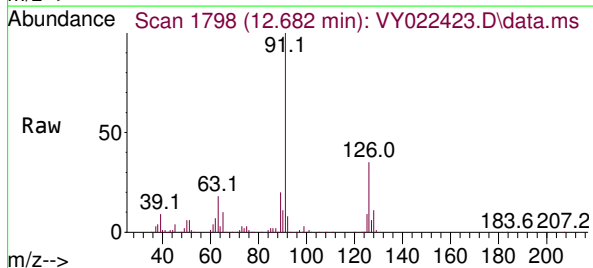
#79
2-Chlorotoluene
Concen: 19.752 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 16364
Ion Ratio Lower Upper
91 100
126 35.6 17.4 52.3

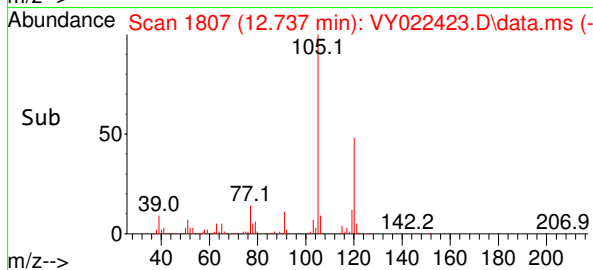
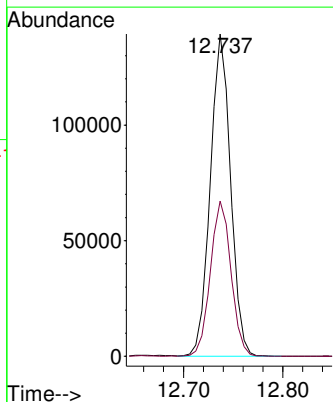
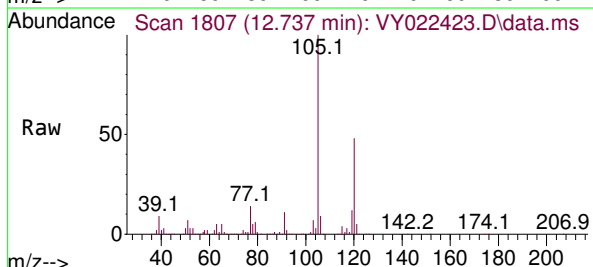
Manual Integrations
APPROVED

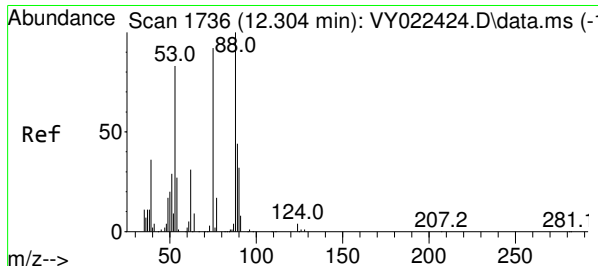
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 19.944 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:105 Resp: 198748
Ion Ratio Lower Upper
105 100
120 49.0 24.3 73.0





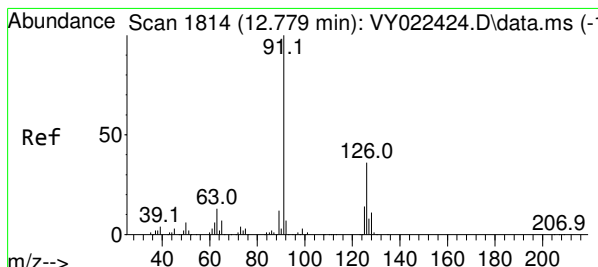
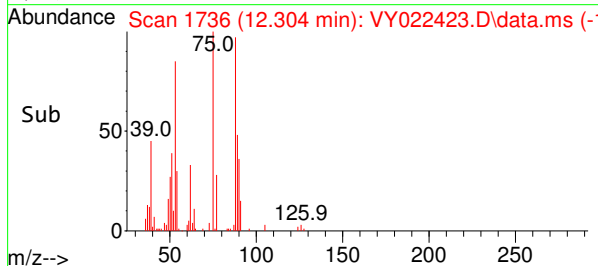
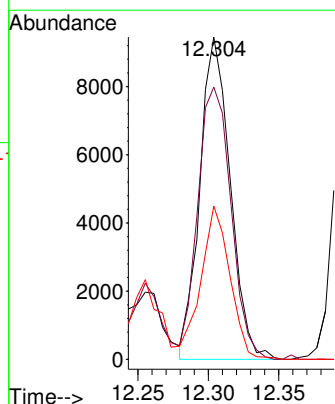
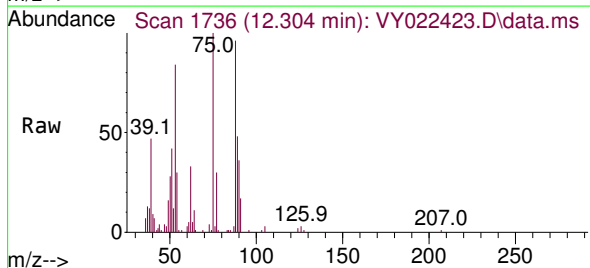
#81
trans-1,4-Dichloro-2-butene
Concen: 19.863 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.9	75.1	112.7
89	46.2	37.4	56.0

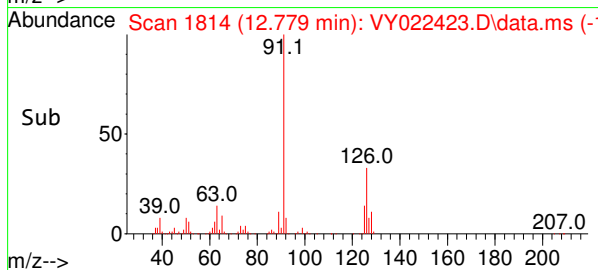
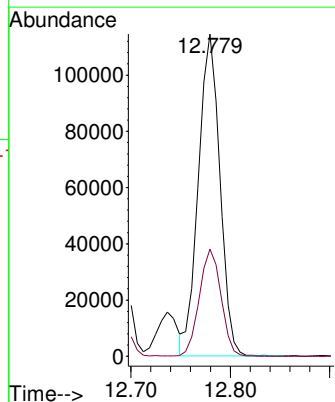
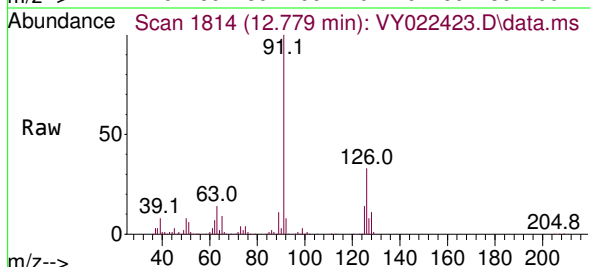
Manual Integrations
APPROVED

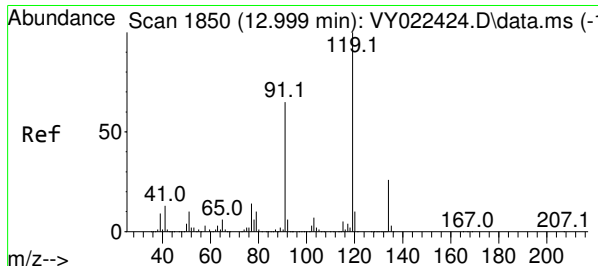
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#82
4-Chlorotoluene
Concen: 20.140 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.2	51.6





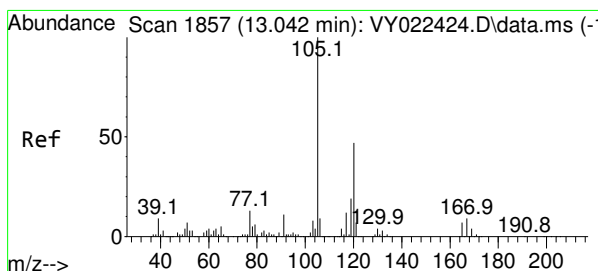
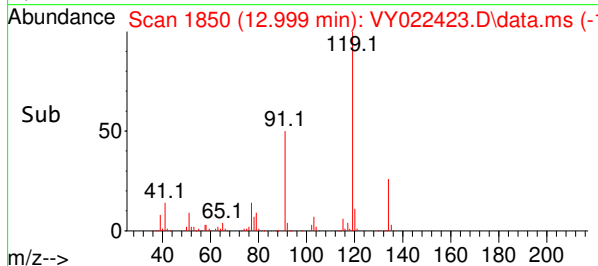
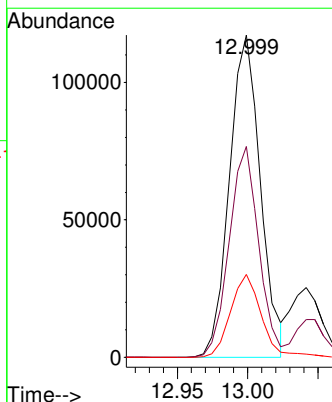
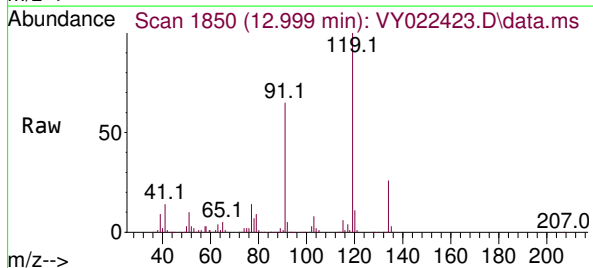
#83
tert-Butylbenzene
Concen: 19.975 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 17984
Ion Ratio Lower Upper
119 100
91 62.3 31.8 95.3
134 25.7 13.0 38.9

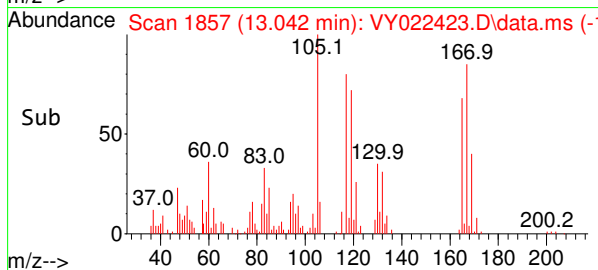
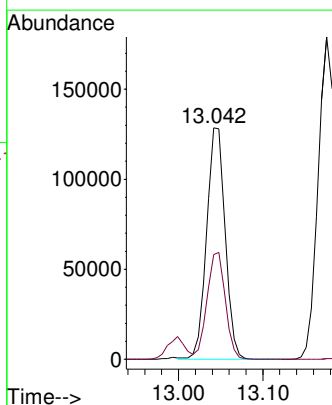
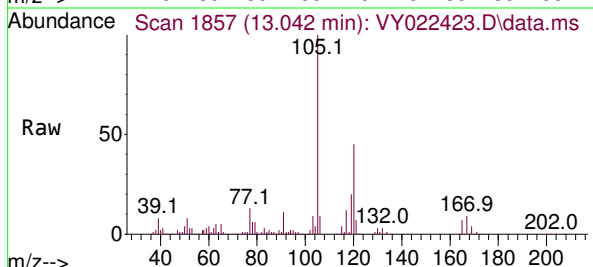
Manual Integrations
APPROVED

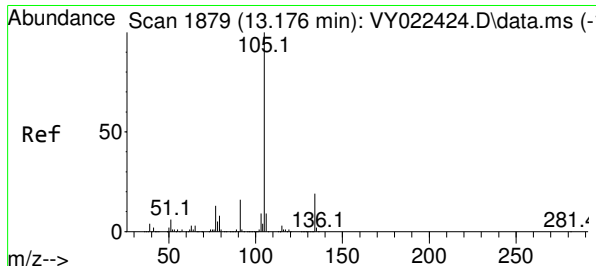
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 19.640 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:105 Resp: 196951
Ion Ratio Lower Upper
105 100
120 45.6 22.9 68.5





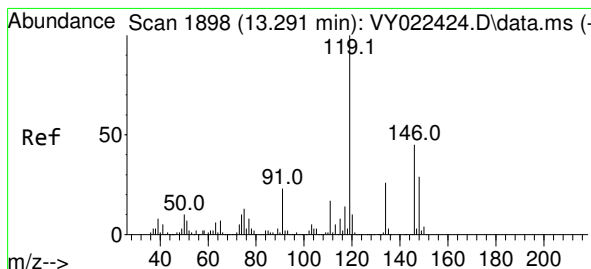
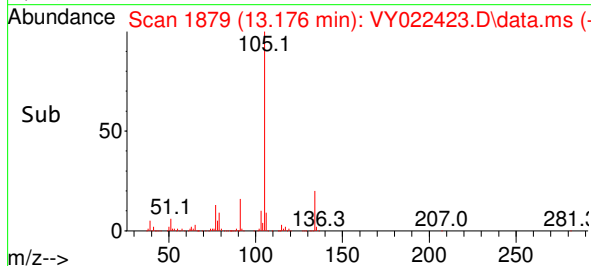
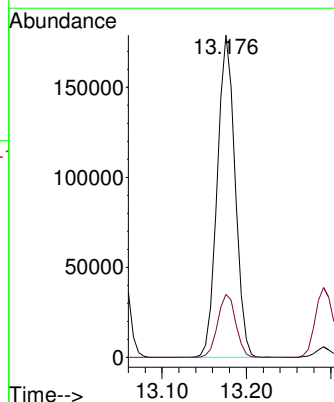
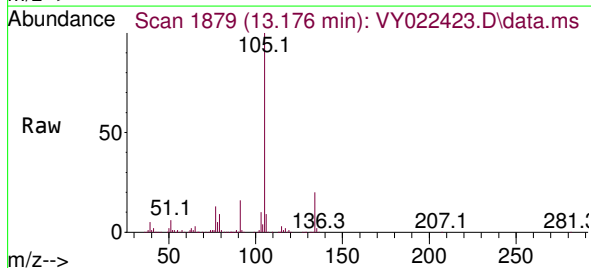
#85
 sec-Butylbenzene
 Concen: 19.753 ug/l
 RT: 13.176 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VY022423.D
 Acq: 27 May 2025 09:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 26374
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.7 29.1

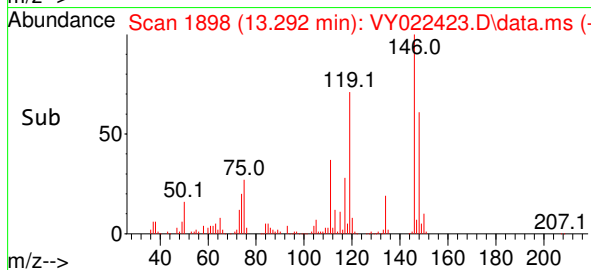
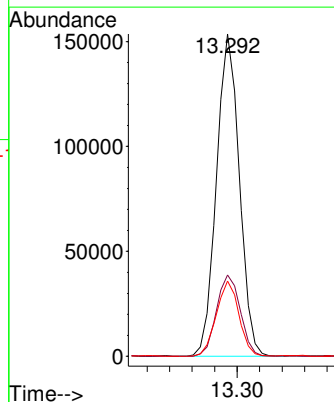
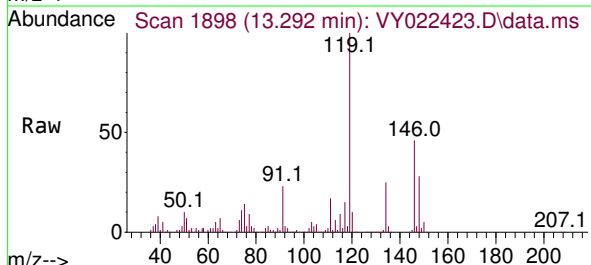
Manual Integrations
 APPROVED

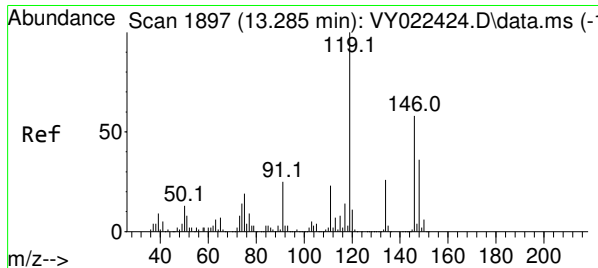
Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025



#86
 p-Isopropyltoluene
 Concen: 19.393 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY022423.D
 Acq: 27 May 2025 09:36

Tgt Ion:119 Resp: 216227
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 39.0
 91 23.1 11.6 34.8





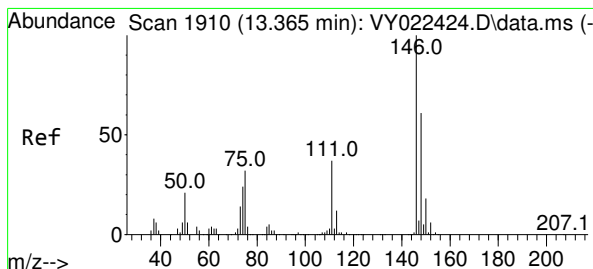
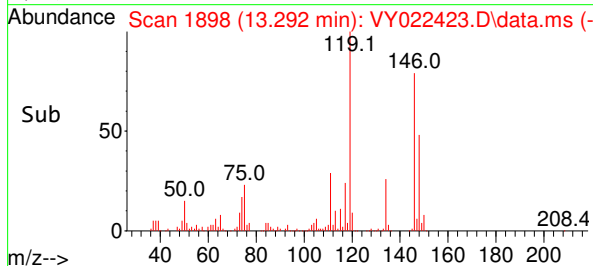
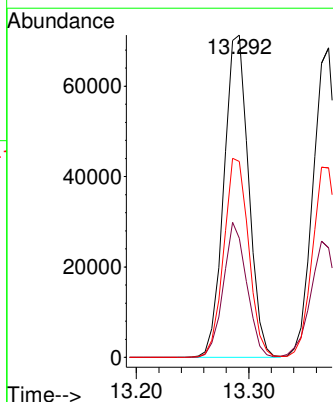
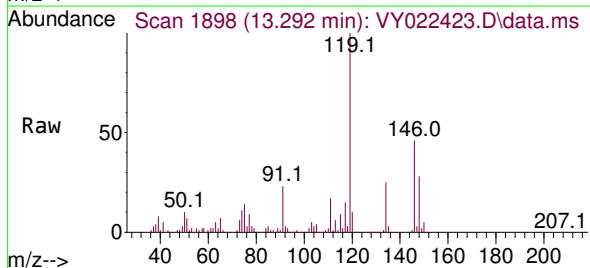
#87
1,3-Dichlorobenzene
Concen: 19.644 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:	146	Resp:	10847
Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	62.3	31.7	95.1

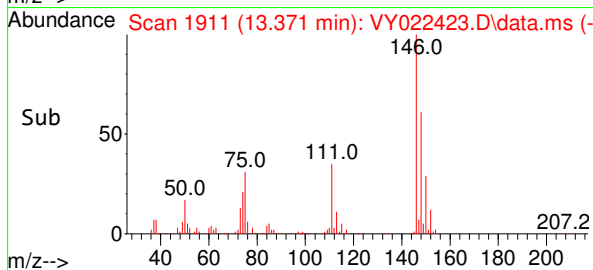
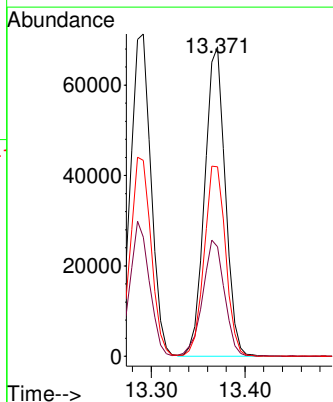
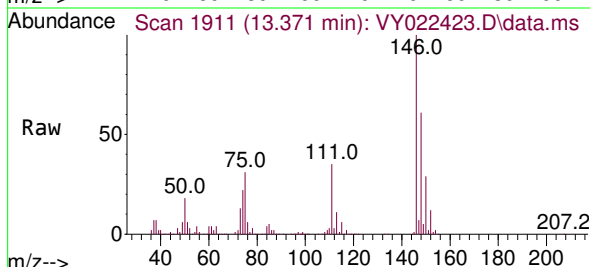
Manual Integrations
APPROVED

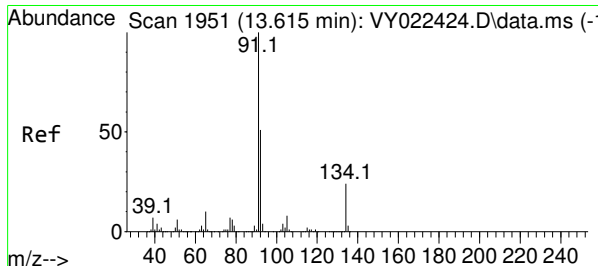
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#88
1,4-Dichlorobenzene
Concen: 19.845 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:	146	Resp:	104788
Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.7	56.1
148	63.6	31.4	94.3





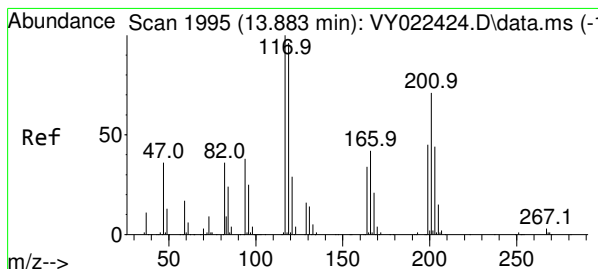
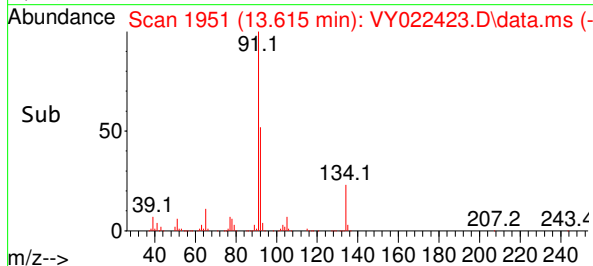
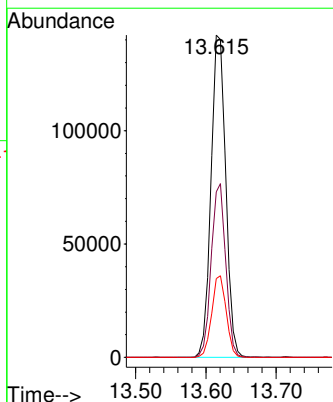
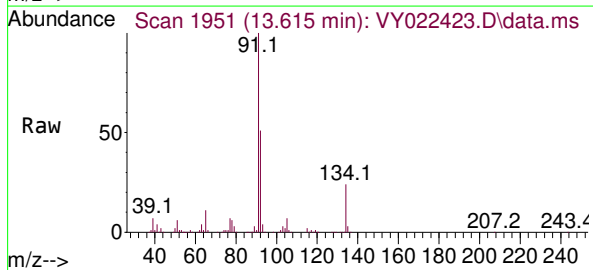
#89
n-Butylbenzene
Concen: 19.768 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:	91	Resp:	20665
Ion	Ratio	Lower	Upper
91	100		
92	52.9	25.9	77.6
134	24.8	12.4	37.6

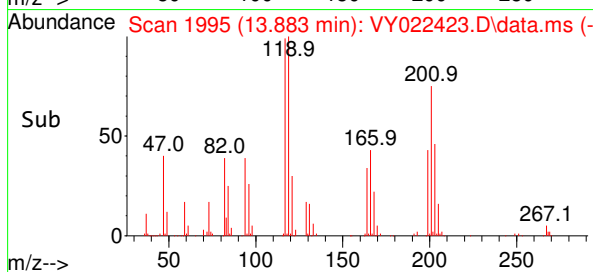
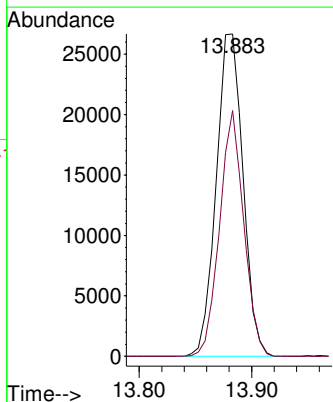
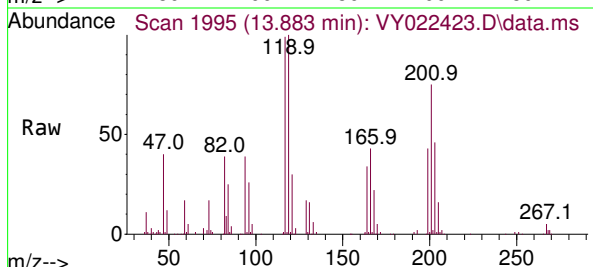
Manual Integrations
APPROVED

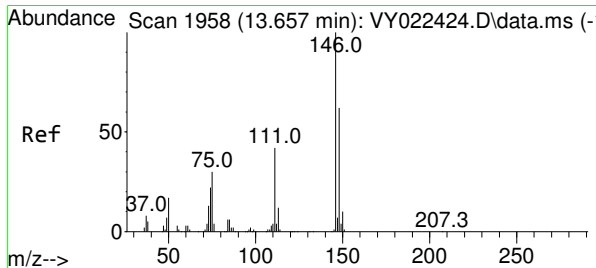
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#90
Hexachloroethane
Concen: 19.857 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:	117	Resp:	44059
Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.0	105.0





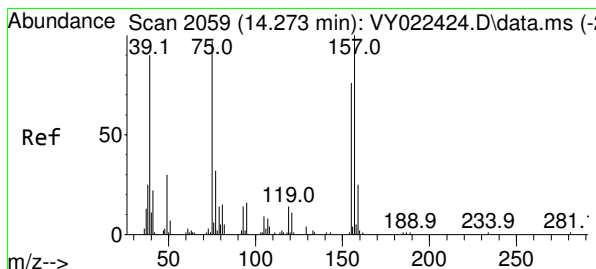
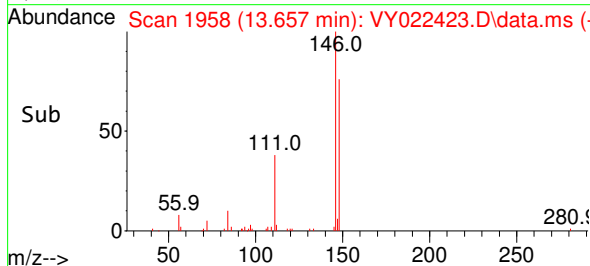
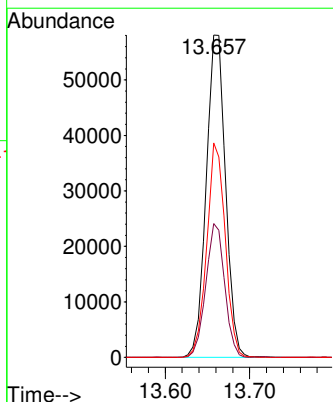
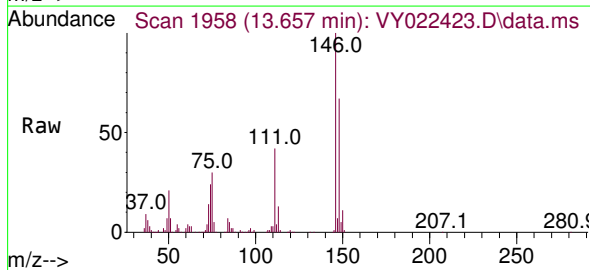
#91
1,2-Dichlorobenzene
Concen: 20.103 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.6
148	63.5	31.9	95.9

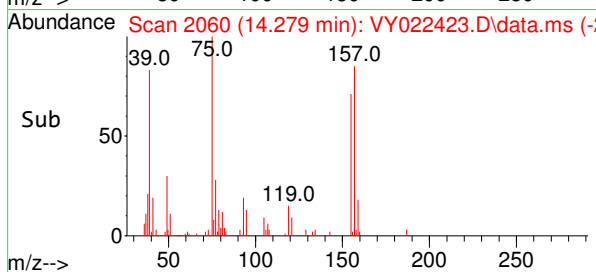
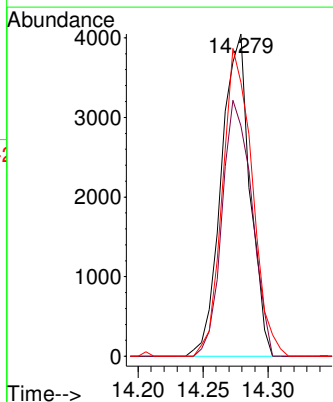
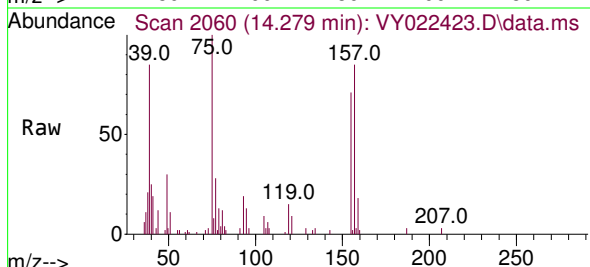
Manual Integrations
APPROVED

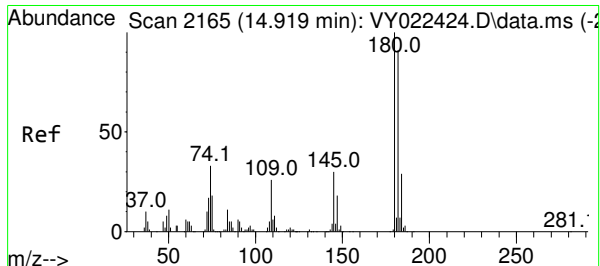
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.016 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	42.3	126.8
157	98.9	54.4	163.3





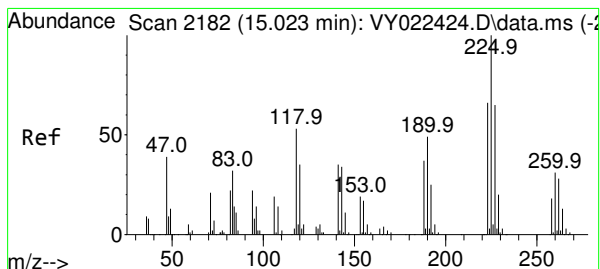
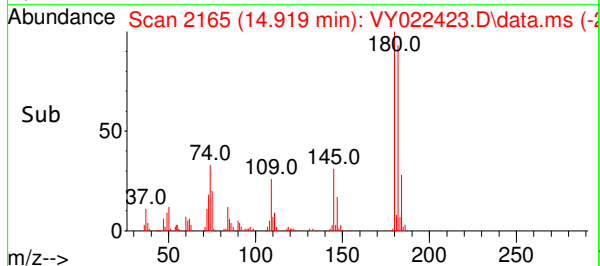
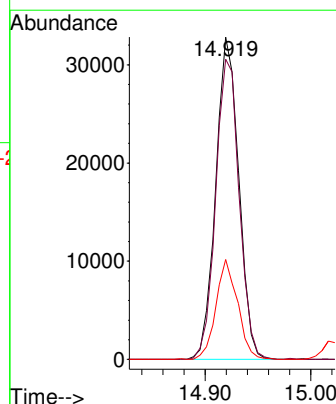
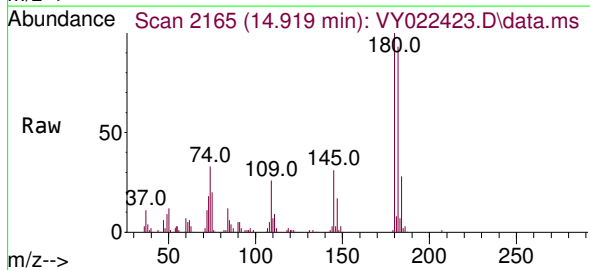
#93
1,2,4-Trichlorobenzene
Concen: 19.535 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:180 Resp: 4995
Ion Ratio Lower Upper
180 100
182 95.0 46.2 138.6
145 29.2 14.2 42.8

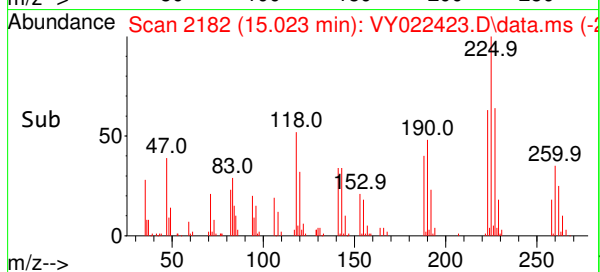
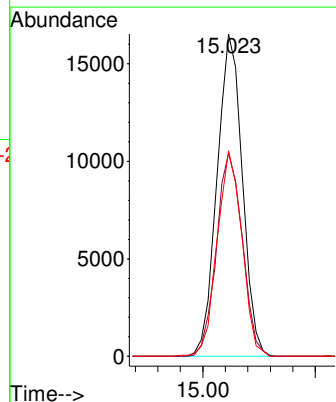
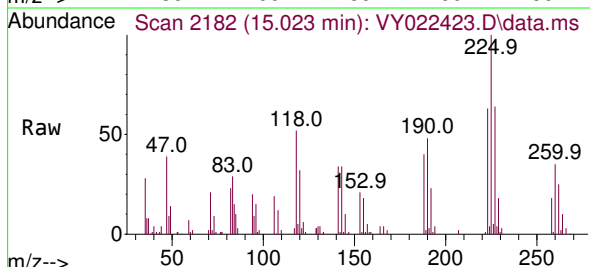
Manual Integrations
APPROVED

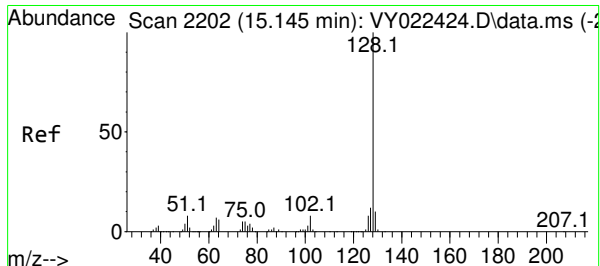
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#94
Hexachlorobutadiene
Concen: 19.164 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:225 Resp: 25718
Ion Ratio Lower Upper
225 100
223 64.5 32.6 97.7
227 62.5 33.0 99.0





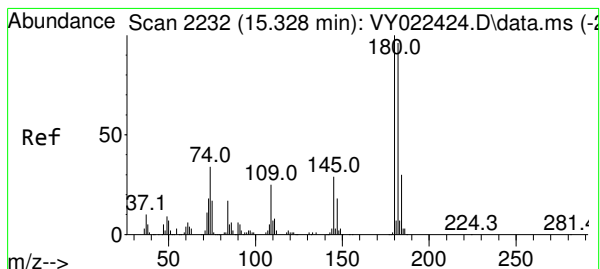
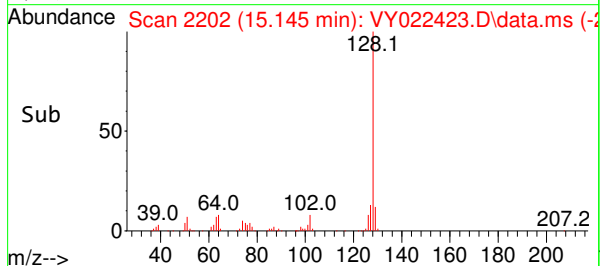
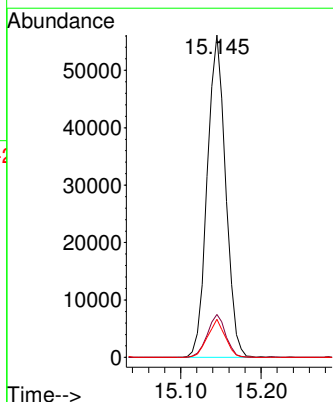
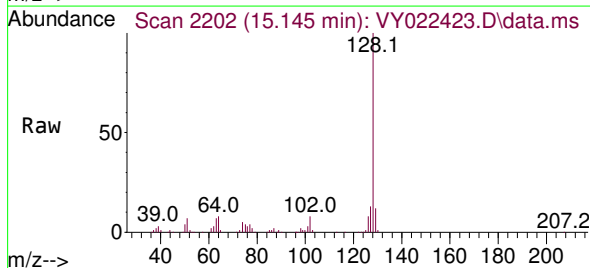
#95
Naphthalene
Concen: 18.870 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 8926
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.4 8.5 12.7

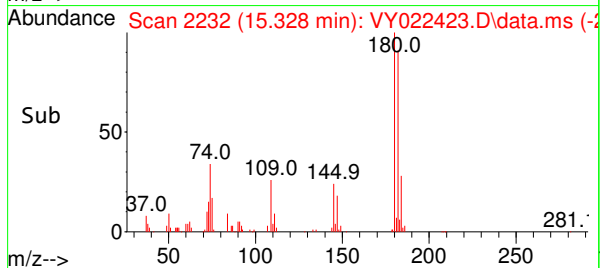
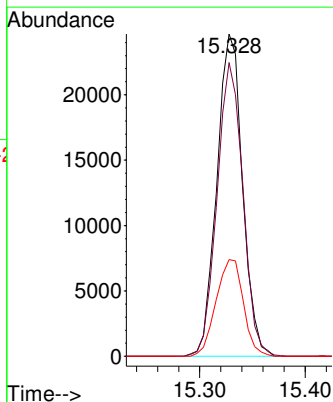
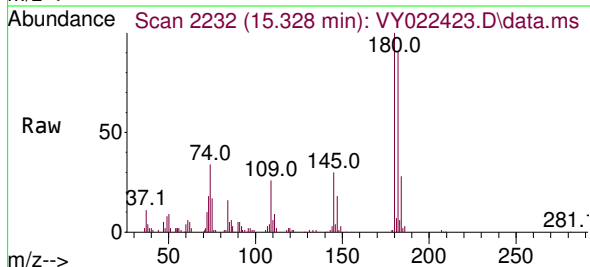
Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.919 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:180 Resp: 41774
Ion Ratio Lower Upper
180 100
182 91.9 48.1 144.3
145 31.9 14.9 44.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022424.D
 Acq On : 27 May 2025 09:59
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:54:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	251462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	421648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	359387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	170568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	133722	50.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.640	113	122077	49.438	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.880%			
50) Toluene-d8	10.109	98	495900	49.264	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.520%			
62) 4-Bromofluorobenzene	12.408	95	149686	49.160	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.320%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	106455	44.373	ug/l	100
3) Chloromethane	2.068	50	300767	50.966	ug/l	100
4) Vinyl Chloride	2.202	62	365461	50.977	ug/l	100
5) Bromomethane	2.598	94	320598	49.210	ug/l	100
6) Chloroethane	2.739	64	255218	54.479	ug/l	100
7) Trichlorofluoromethane	3.056	101	300911	49.748	ug/l	100
8) Diethyl Ether	3.458	74	69604	49.906	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	130878	49.320	ug/l	100
10) Methyl Iodide	4.013	142	162763	54.366	ug/l	100
11) Tert butyl alcohol	4.884	59	44670	239.257	ug/l	100
12) 1,1-Dichloroethene	3.793	96	128456	48.757	ug/l	100
13) Acrolein	3.659	56	71175	254.433	ug/l	100
14) Allyl chloride	4.385	41	197586	49.856	ug/l	100
15) Acrylonitrile	5.067	53	140126	249.258	ug/l	100
16) Acetone	3.879	43	106570	244.853	ug/l	100
17) Carbon Disulfide	4.110	76	415611	49.433	ug/l	100
18) Methyl Acetate	4.397	43	77552	47.567	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	348604	49.839	ug/l	100
20) Methylene Chloride	4.622	84	137958	44.887	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	141011	49.026	ug/l	100
22) Diisopropyl ether	6.024	45	433997	49.618	ug/l	100
23) Vinyl Acetate	5.970	43	1262323	251.347	ug/l	100
24) 1,1-Dichloroethane	5.921	63	258190	49.955	ug/l	100
25) 2-Butanone	6.908	43	178390	246.104	ug/l	100
26) 2,2-Dichloropropane	6.890	77	231499	49.466	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	163879	49.217	ug/l	100
28) Bromochloromethane	7.250	49	110266	51.091	ug/l	100
29) Tetrahydrofuran	7.268	42	119564	247.328	ug/l	100
30) Chloroform	7.427	83	257981	50.655	ug/l	100
31) Cyclohexane	7.701	56	236092	46.340	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	229531	49.660	ug/l	100
36) 1,1-Dichloropropene	7.841	75	193888	49.482	ug/l	100
37) Ethyl Acetate	6.988	43	84159	50.538	ug/l	100
38) Carbon Tetrachloride	7.823	117	202994	49.731	ug/l	100
39) Methylcyclohexane	9.109	83	258994	49.724	ug/l	100
40) Benzene	8.085	78	586562	50.308	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022424.D
 Acq On : 27 May 2025 09:59
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:54:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	49236	22.465	ug/l	90
42) 1,2-Dichloroethane	8.164	62	155379	50.458	ug/l	100
43) Isopropyl Acetate	8.201	43	183642	50.467	ug/l	100
44) Trichloroethene	8.865	130	144611	50.172	ug/l	100
45) 1,2-Dichloropropane	9.146	63	136232	49.730	ug/l	100
46) Dibromomethane	9.231	93	76743	50.148	ug/l	100
47) Bromodichloromethane	9.426	83	195650	49.717	ug/l	100
48) Methyl methacrylate	9.225	41	84239	49.870	ug/l	100
49) 1,4-Dioxane	9.237	88	16708	988.479	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	460034	256.225	ug/l	100
52) Toluene	10.176	92	365833	50.235	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	182819	49.875	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	213990	49.683	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	96763	50.011	ug/l	100
56) Ethyl methacrylate	10.438	69	143409	51.650	ug/l	100
57) 1,3-Dichloropropane	10.719	76	170799	50.093	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	352804	254.955	ug/l	100
59) 2-Hexanone	10.761	43	305977	260.045	ug/l	100
60) Dibromochloromethane	10.914	129	127232	51.479	ug/l	100
61) 1,2-Dibromoethane	11.018	107	90642	51.221	ug/l	100
64) Tetrachloroethene	10.652	164	154172	50.371	ug/l	100
65) Chlorobenzene	11.444	112	383505	50.045	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	132697	51.108	ug/l	100
67) Ethyl Benzene	11.524	91	711551	50.007	ug/l	100
68) m/p-Xylenes	11.627	106	543665	100.776	ug/l	100
69) o-Xylene	11.956	106	254880	50.270	ug/l	100
70) Styrene	11.969	104	430304	50.969	ug/l	100
71) Bromoform	12.133	173	68851	50.626	ug/l	100
73) Isopropylbenzene	12.255	105	660245	49.183	ug/l	100
74) N-amyl acetate	12.072	43	170547	51.919	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	104852	49.575	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	83801m	29.820	ug/l	
77) Bromobenzene	12.536	156	145109	50.230	ug/l	100
78) n-propylbenzene	12.596	91	803233	49.859	ug/l	100
79) 2-Chlorotoluene	12.682	91	429534	49.254	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	525186	50.070	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	36715	48.597	ug/l	100
82) 4-Chlorotoluene	12.779	91	446697	49.734	ug/l	100
83) tert-Butylbenzene	12.999	119	470027	49.598	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	531189	50.324	ug/l	100
85) sec-Butylbenzene	13.176	105	706452	50.266	ug/l	100
86) p-Isopropyltoluene	13.291	119	592083	50.450	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	289072	49.731	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	280006	50.380	ug/l	100
89) n-Butylbenzene	13.615	91	568088	51.626	ug/l	100
90) Hexachloroethane	13.883	117	117444	50.287	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	241569	49.756	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15930	48.741	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	141204	52.462	ug/l	100
94) Hexachlorobutadiene	15.023	225	72391	51.250	ug/l	100
95) Naphthalene	15.145	128	265056	53.269	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	116609	52.826	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022424.D
Acq On : 27 May 2025 09:59
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 :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

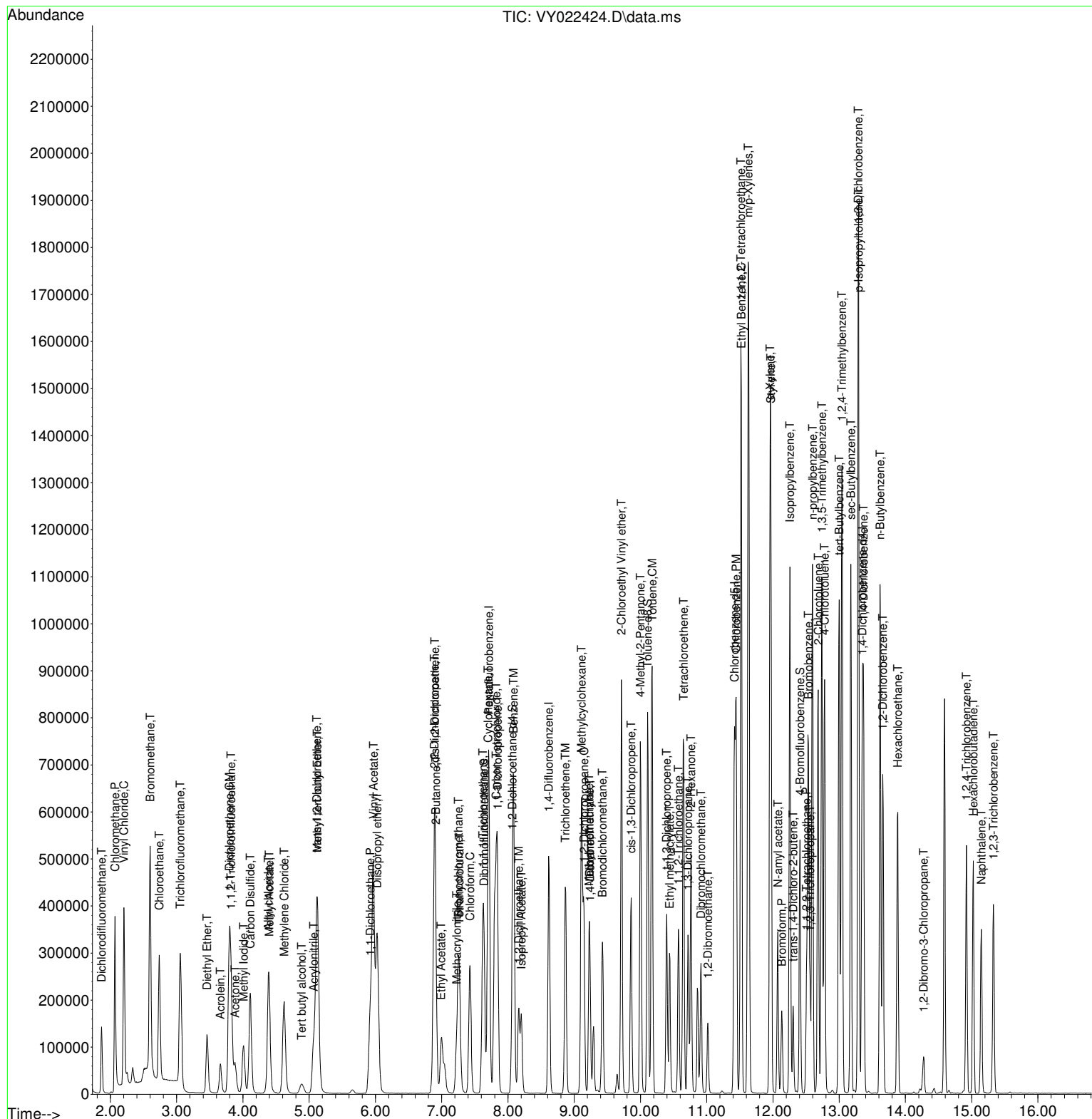
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

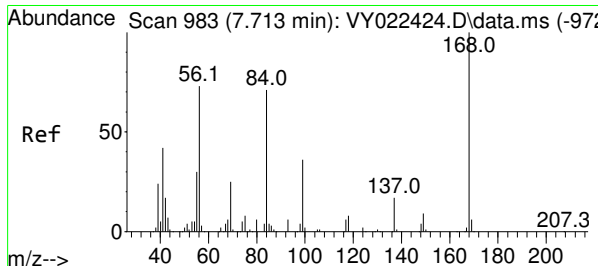
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Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025





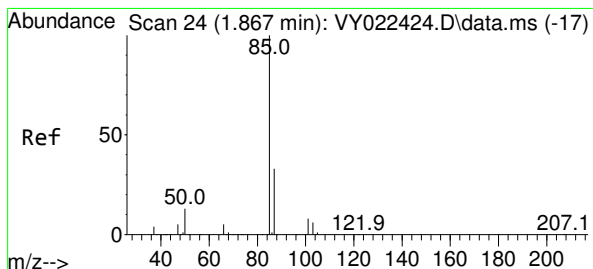
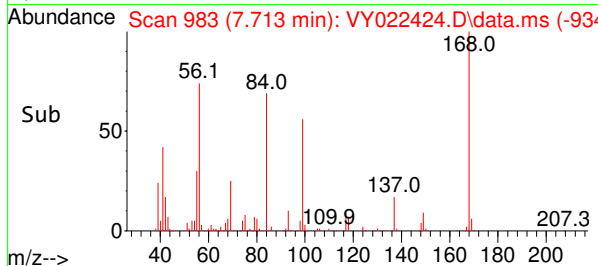
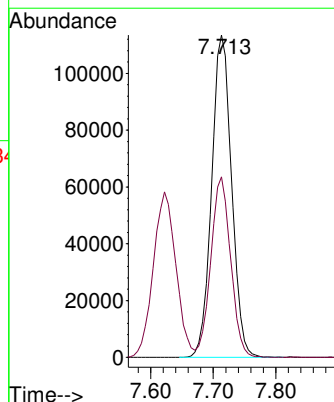
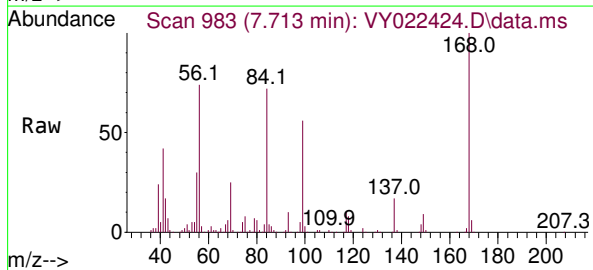
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 25146
Ion Ratio Lower Upper
168 100
99 55.9 44.7 67.1

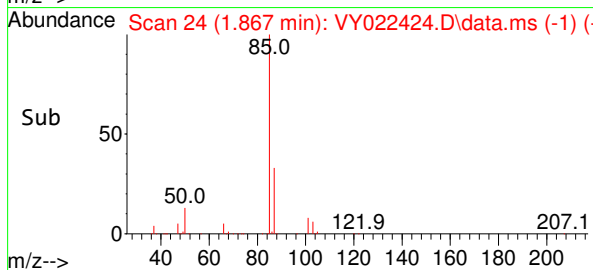
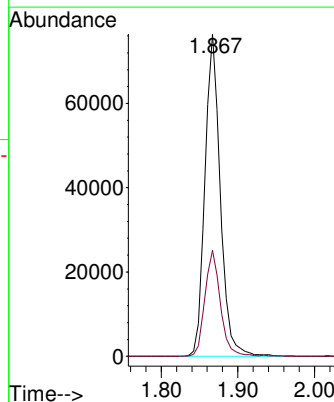
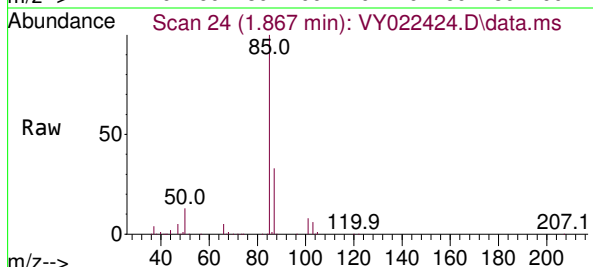
Manual Integrations
APPROVED

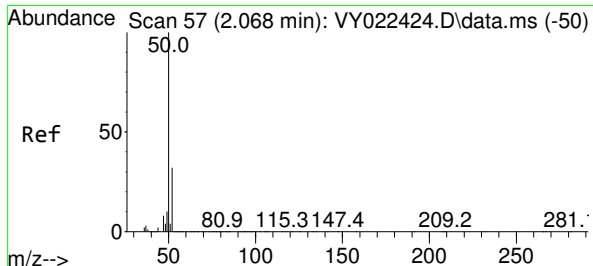
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#2
Dichlorodifluoromethane
Concen: 44.373 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 85 Resp: 106455
Ion Ratio Lower Upper
85 100
87 32.8 16.4 49.2



#3
Chloromethane

Concen: 50.966 ug/l

RT: 2.068 min Scan# 57

Delta R.T. 0.000 min

Lab File: VY022424.D

Acq: 27 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 30076

Ion Ratio Lower Upper

50 100

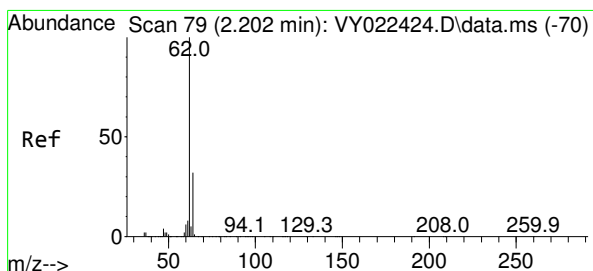
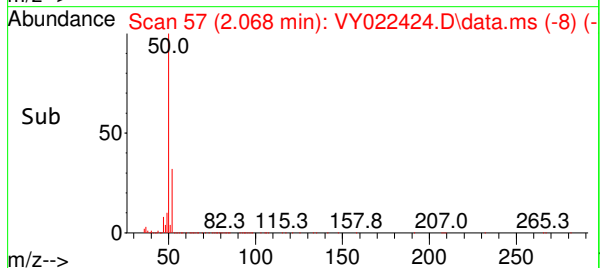
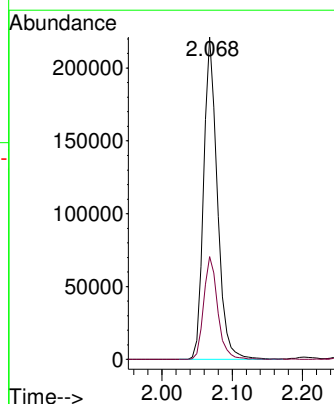
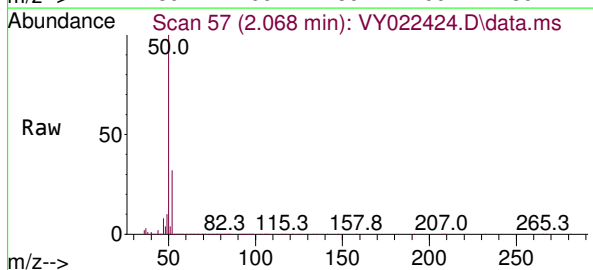
52 31.9 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#4

Vinyl Chloride

Concen: 50.977 ug/l

RT: 2.202 min Scan# 79

Delta R.T. 0.000 min

Lab File: VY022424.D

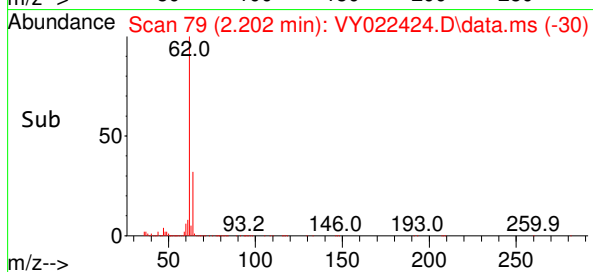
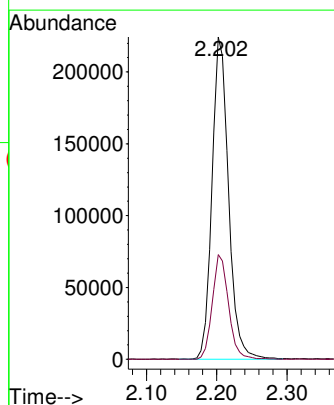
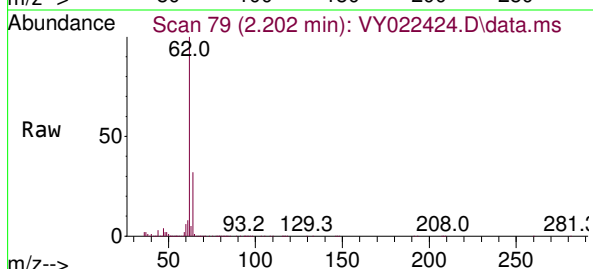
Acq: 27 May 2025 09:59

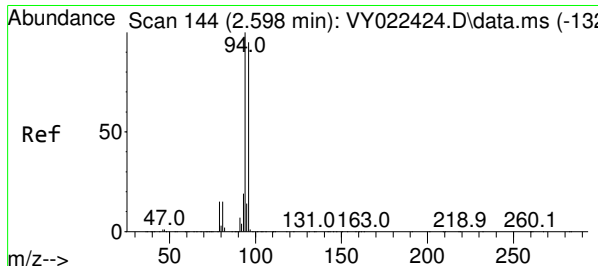
Tgt Ion: 62 Resp: 365461

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





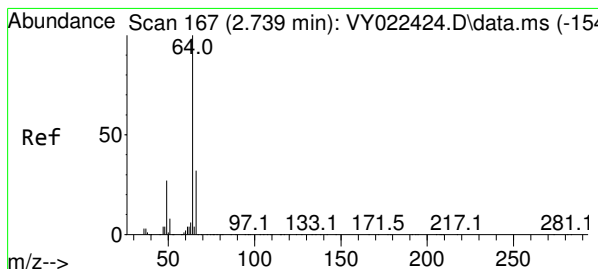
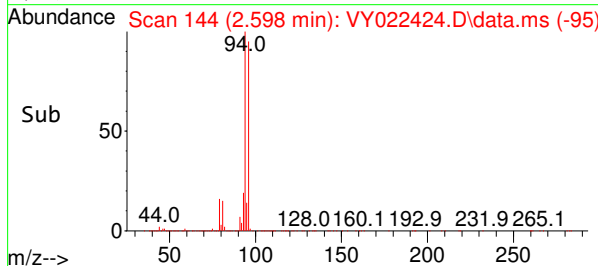
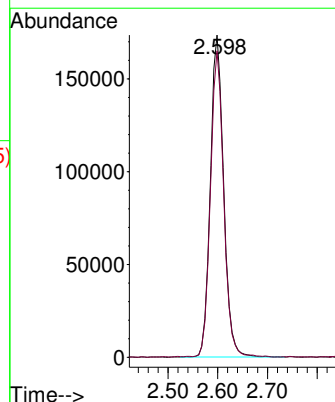
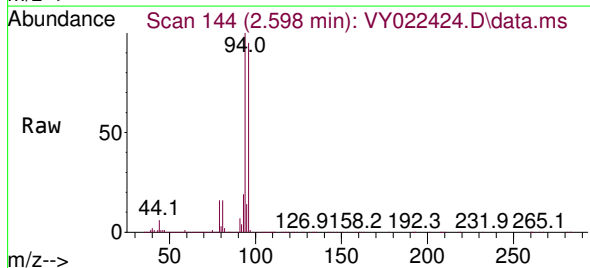
#5
Bromomethane
Concen: 49.210 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 32059
Ion Ratio Lower Upper
94 100
96 95.0 76.0 114.0

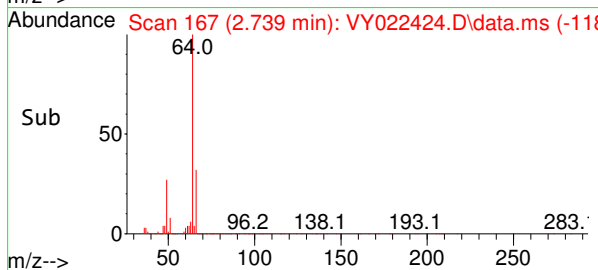
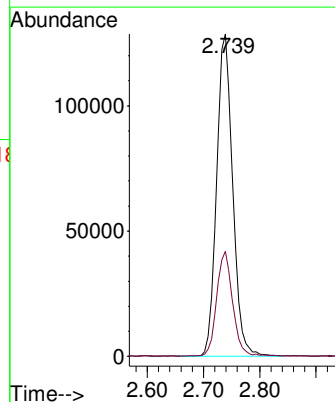
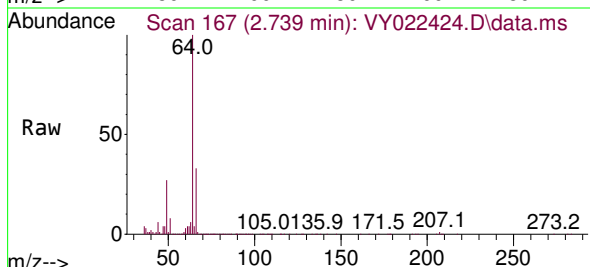
Manual Integrations
APPROVED

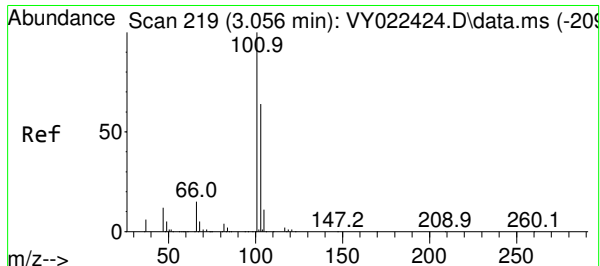
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#6
Chloroethane
Concen: 54.479 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 64 Resp: 255218
Ion Ratio Lower Upper
64 100
66 32.4 25.9 38.9





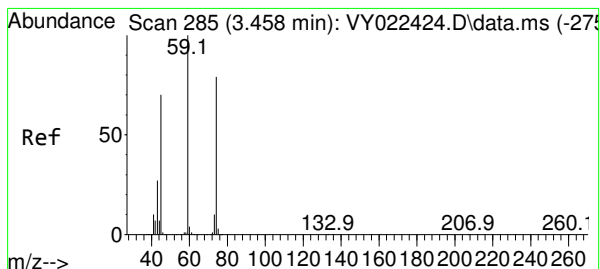
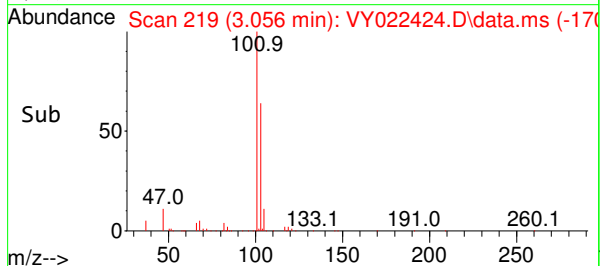
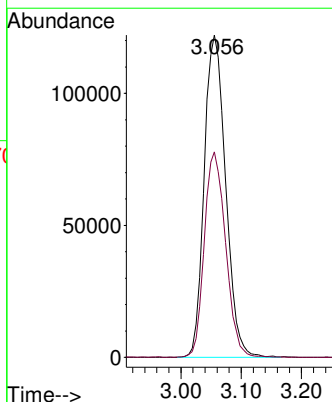
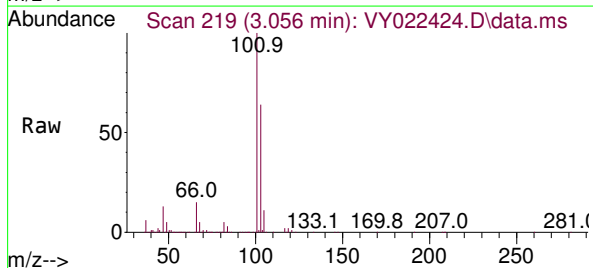
#7
Trichlorofluoromethane
Concen: 49.748 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 101 Resp: 30091
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3

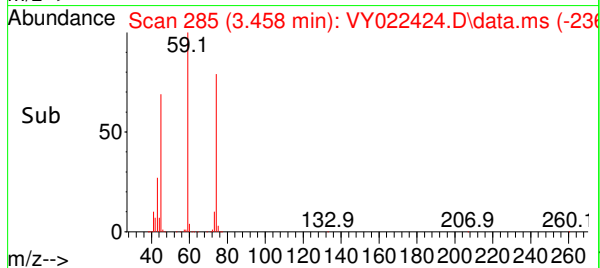
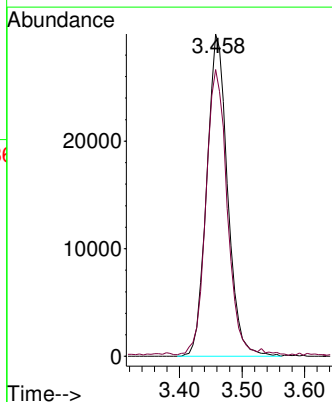
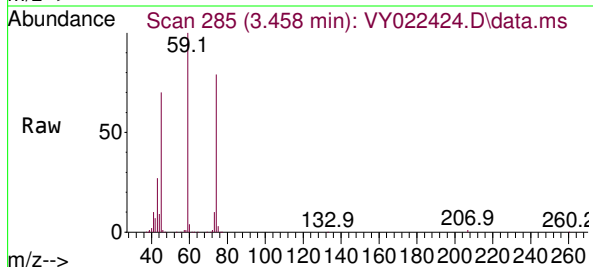
Manual Integrations
APPROVED

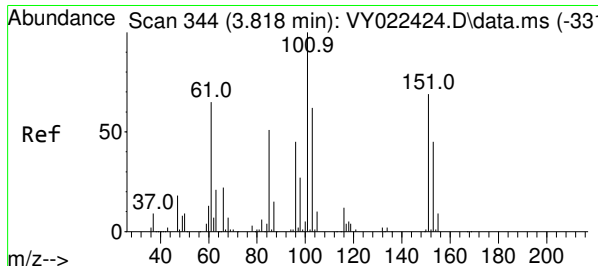
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#8
Diethyl Ether
Concen: 49.906 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 74 Resp: 69604
Ion Ratio Lower Upper
74 100
45 89.7 44.9 134.5





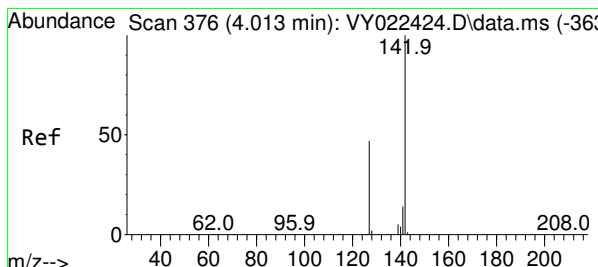
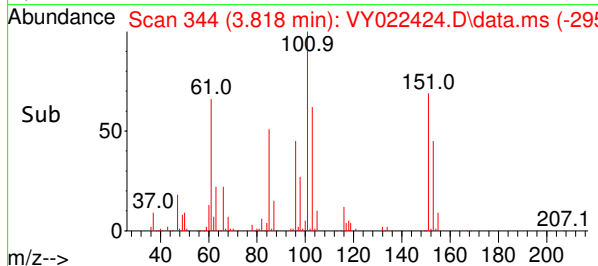
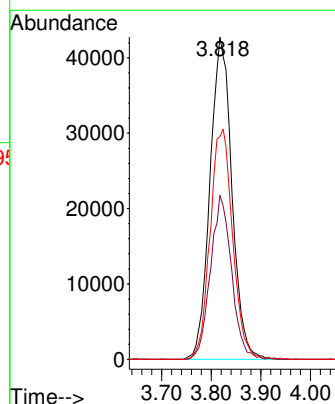
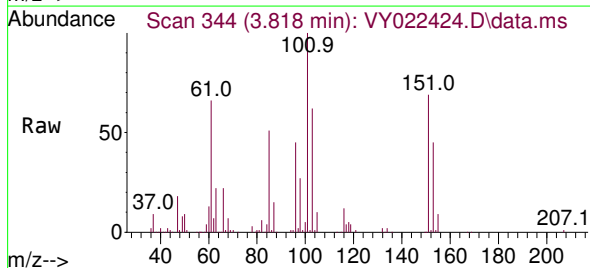
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.320 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt	Ion	Ratio	Lower	Upper
101	100			
85	49.0	39.2	58.8	
151	73.5	58.8	88.2	

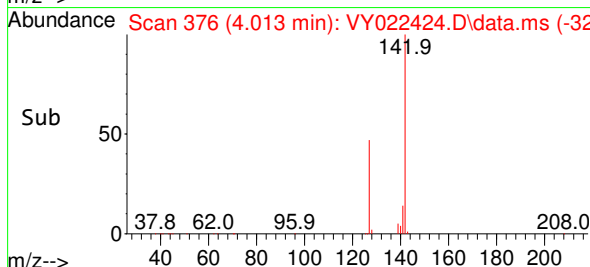
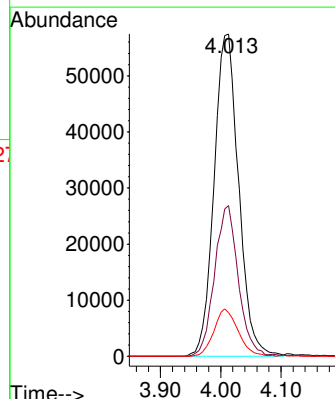
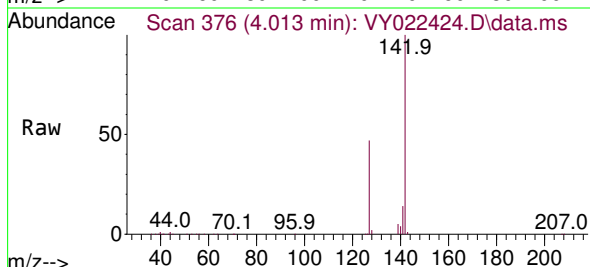
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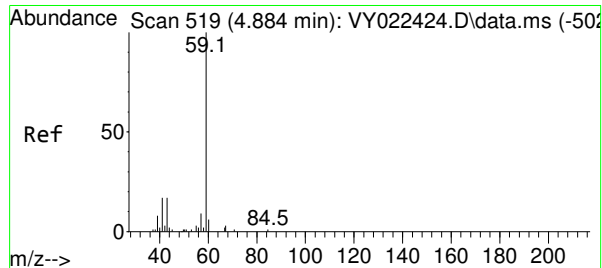
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#10
Methyl Iodide
Concen: 54.366 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt	Ion	Ratio	Lower	Upper
142	100			
127	45.3	36.2	54.4	
141	14.5	11.6	17.4	





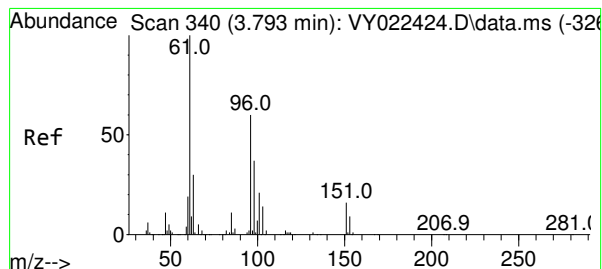
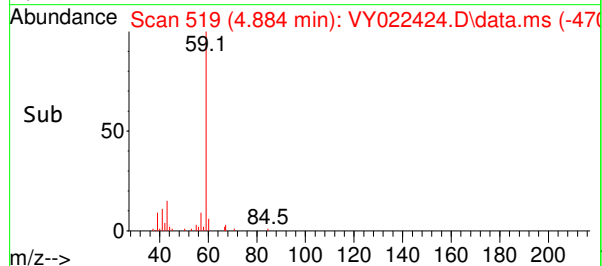
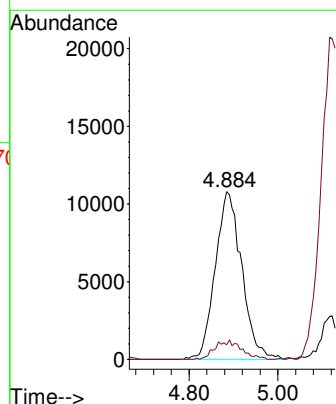
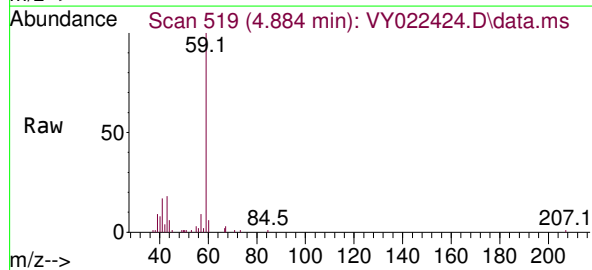
#11
Tert butyl alcohol
Concen: 239.257 ug/l
RT: 4.884 min Scan# 519
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 4467
Ion Ratio Lower Upper
59 100
57 11.4 9.1 13.7

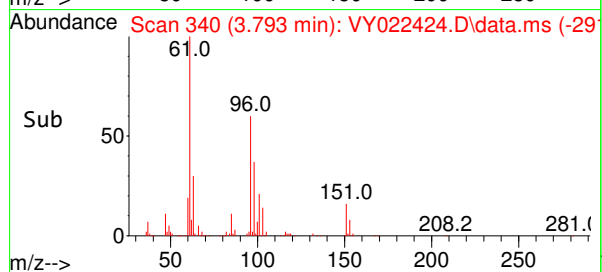
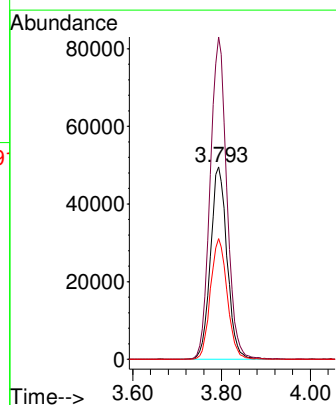
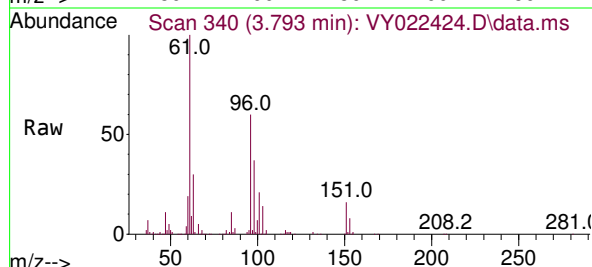
Manual Integrations
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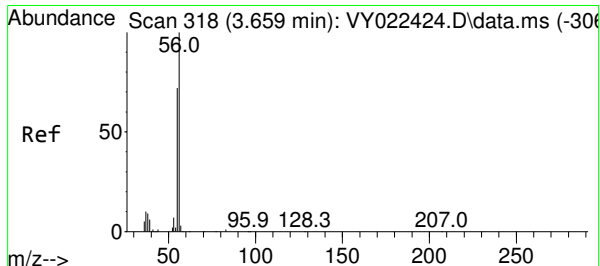
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#12
1,1-Dichloroethene
Concen: 48.757 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 96 Resp: 128456
Ion Ratio Lower Upper
96 100
61 167.6 134.1 201.1
98 62.7 50.2 75.2





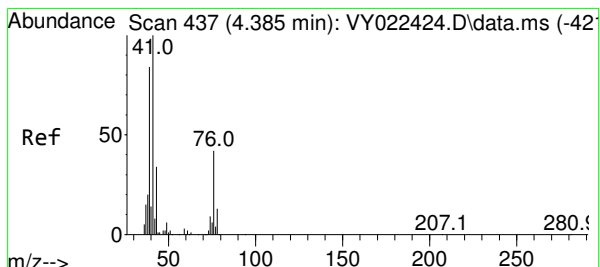
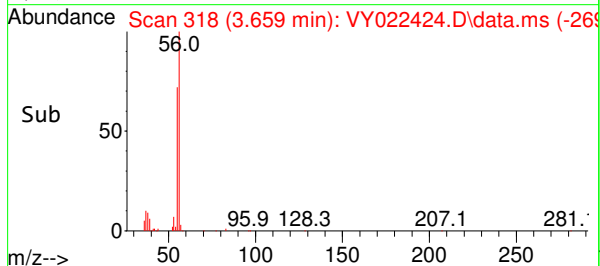
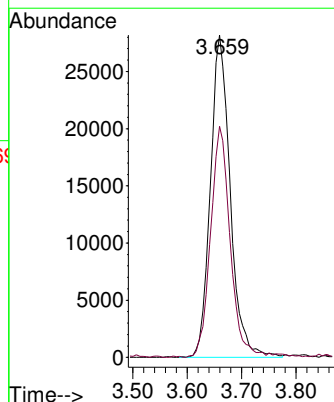
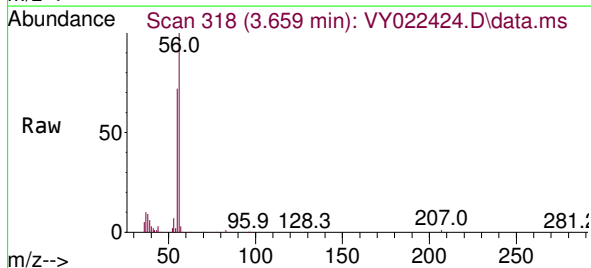
#13
Acrolein
Concen: 254.433 ug/l
RT: 3.659 min Scan# 318
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 7117
Ion Ratio Lower Upper
56 100
55 70.6 56.5 84.7

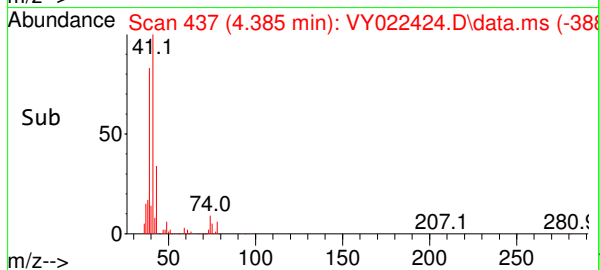
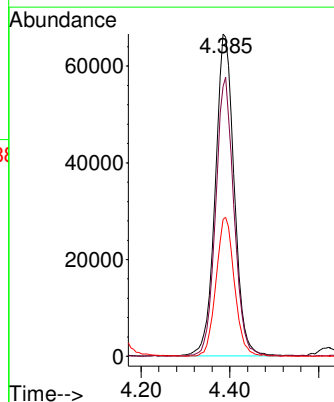
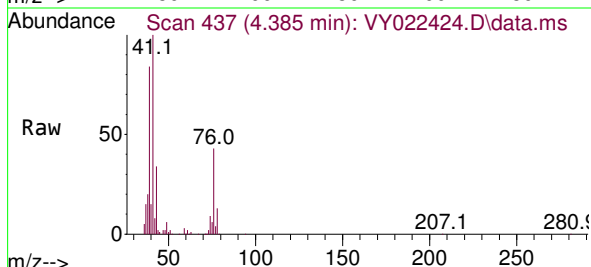
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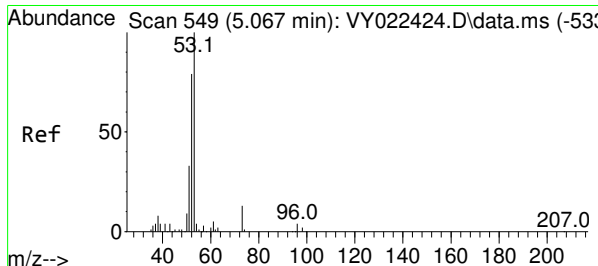
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#14
Allyl chloride
Concen: 49.856 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 41 Resp: 197586
Ion Ratio Lower Upper
41 100
39 83.3 66.6 100.0
76 42.1 33.7 50.5





#15
Acrylonitrile

Concen: 249.258 ug/l

RT: 5.067 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY022424.D

Acq: 27 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 14012

Ion Ratio Lower Upper

53 100

52 81.4 65.1 97.7

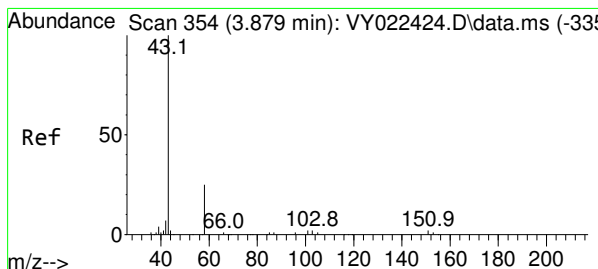
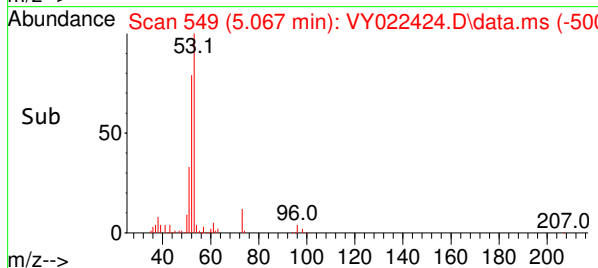
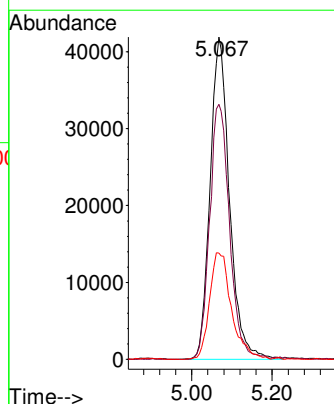
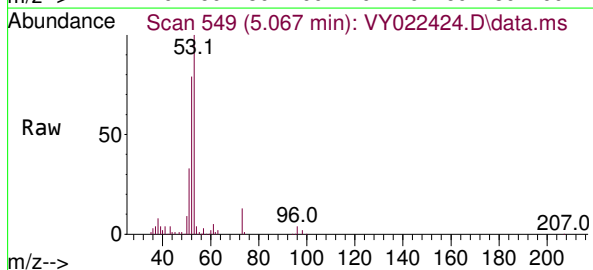
51 37.5 30.0 45.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#16

Acetone

Concen: 244.853 ug/l

RT: 3.879 min Scan# 354

Delta R.T. 0.000 min

Lab File: VY022424.D

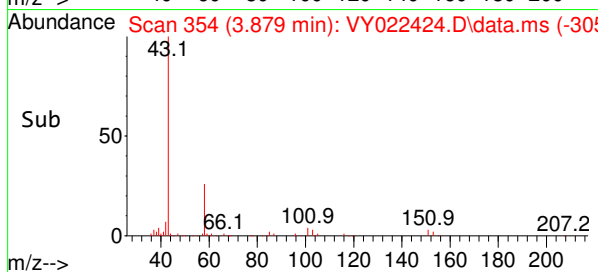
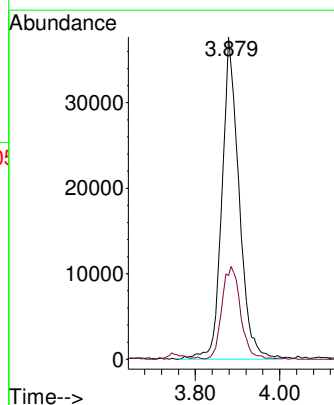
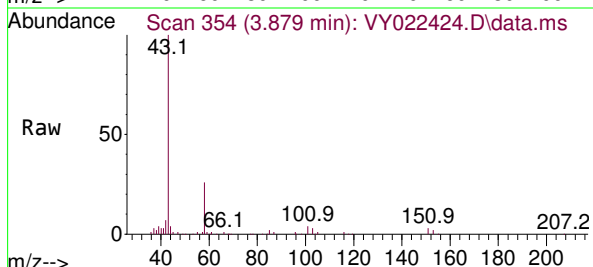
Acq: 27 May 2025 09:59

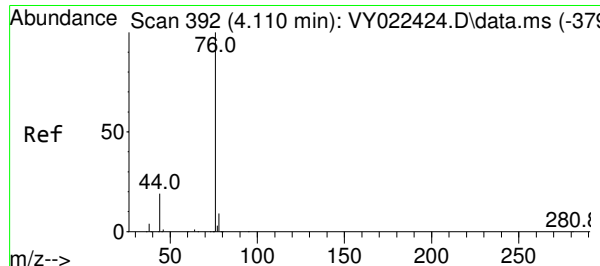
Tgt Ion: 43 Resp: 106570

Ion Ratio Lower Upper

43 100

58 25.7 20.6 30.8





#17

Carbon Disulfide

Concen: 49.433 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY022424.D

Acq: 27 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 41561

Ion Ratio Lower Upper

76 100

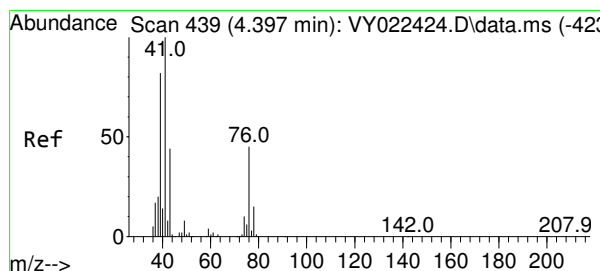
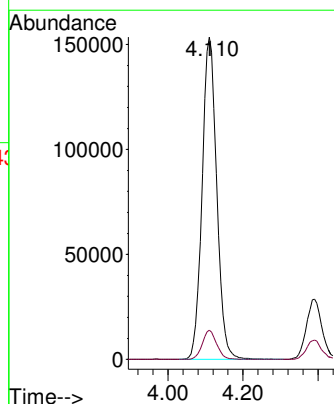
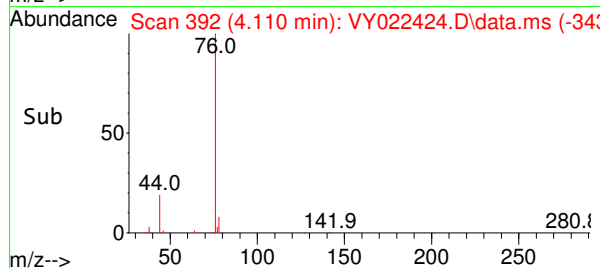
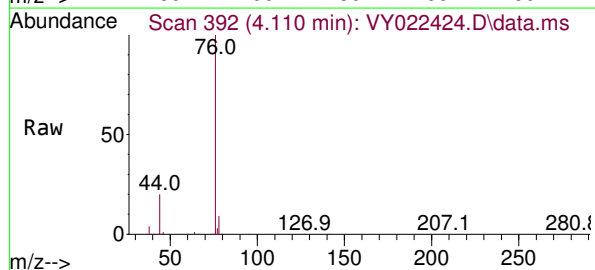
78 9.0 7.2 10.8

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Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#18

Methyl Acetate

Concen: 47.567 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.000 min

Lab File: VY022424.D

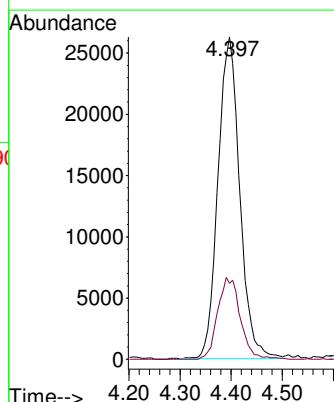
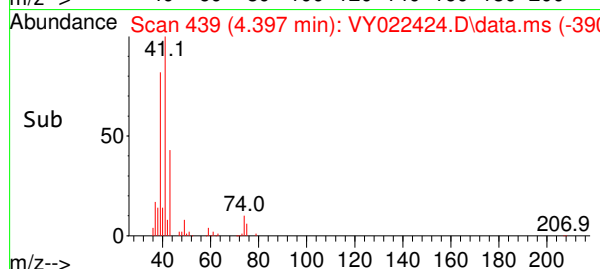
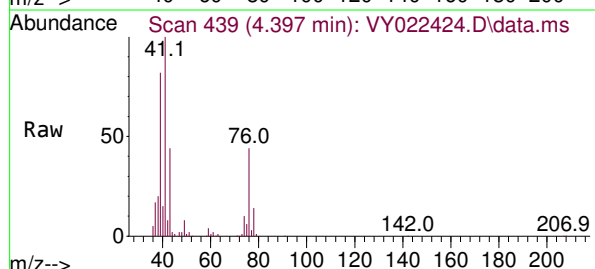
Acq: 27 May 2025 09:59

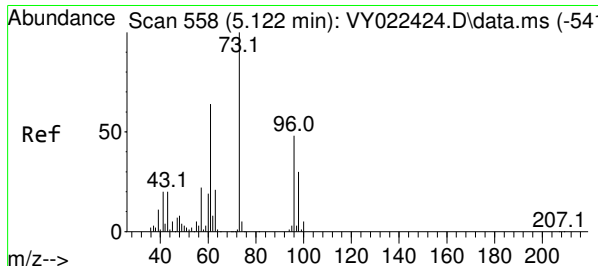
Tgt Ion: 43 Resp: 77552

Ion Ratio Lower Upper

43 100

74 26.5 21.2 31.8





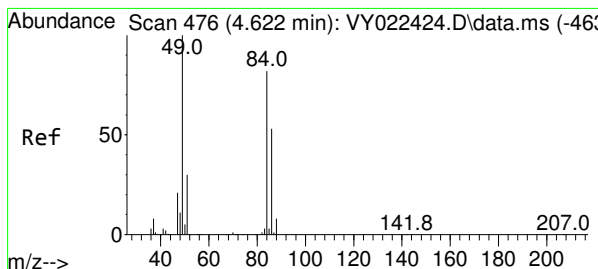
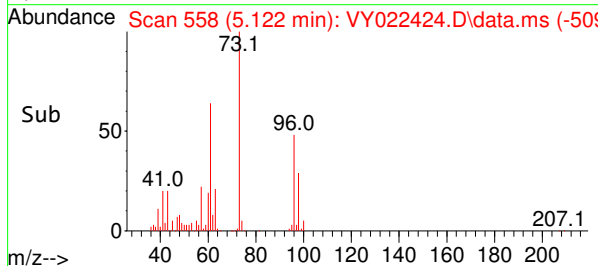
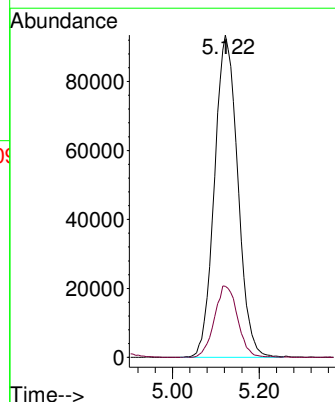
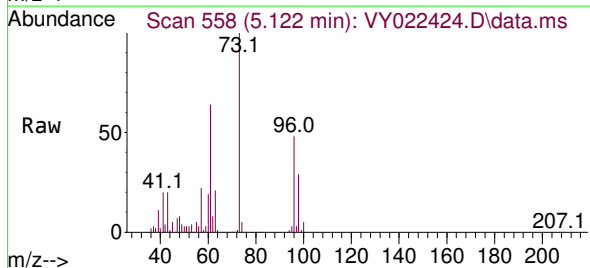
#19
Methyl tert-butyl Ether
Concen: 49.839 ug/l
RT: 5.122 min Scan# 558
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 34866
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5

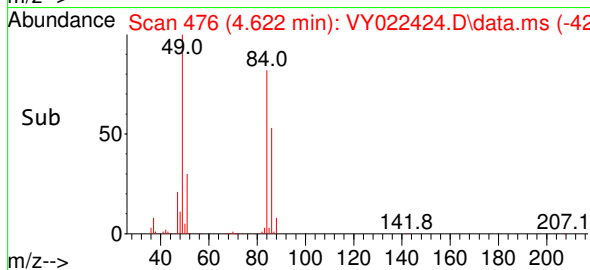
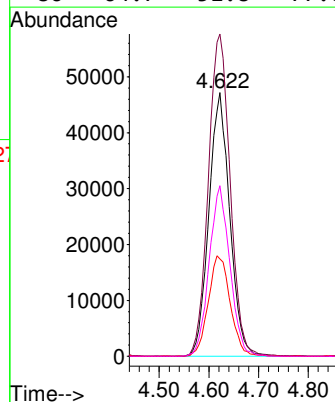
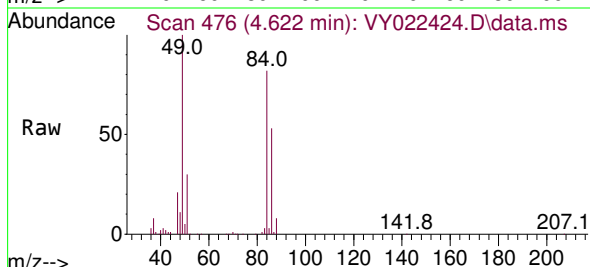
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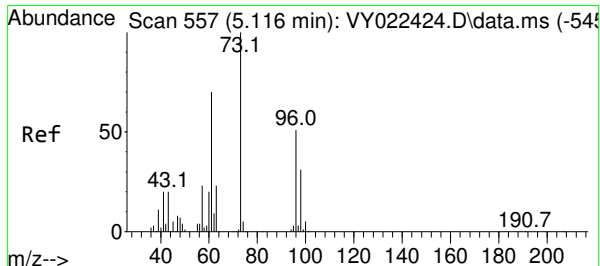
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#20
Methylene Chloride
Concen: 44.887 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 84 Resp: 137958
Ion Ratio Lower Upper
84 100
49 122.3 97.8 146.8
51 36.9 29.5 44.3
86 64.7 51.8 77.6





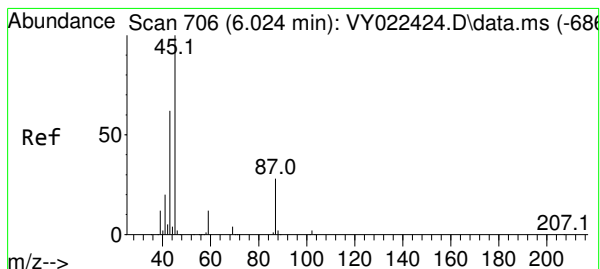
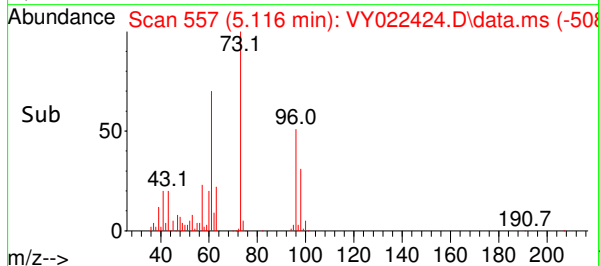
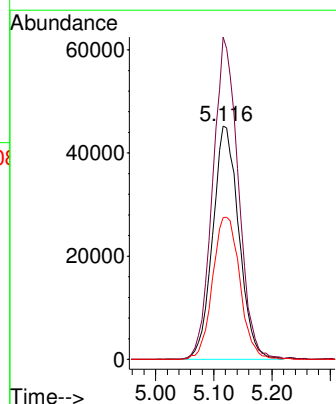
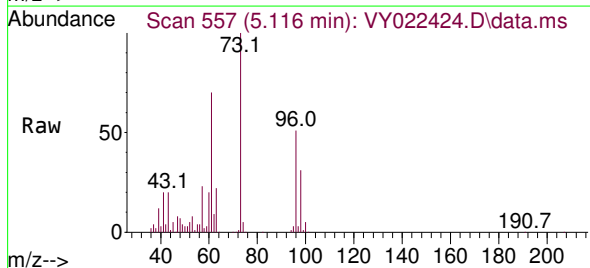
#21
trans-1,2-Dichloroethene
Concen: 49.026 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 14101
Ion Ratio Lower Upper
96 100
61 138.0 110.4 165.6
98 60.8 48.6 73.0

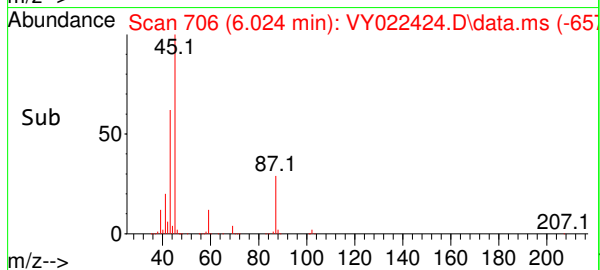
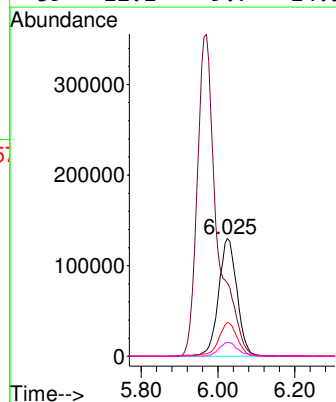
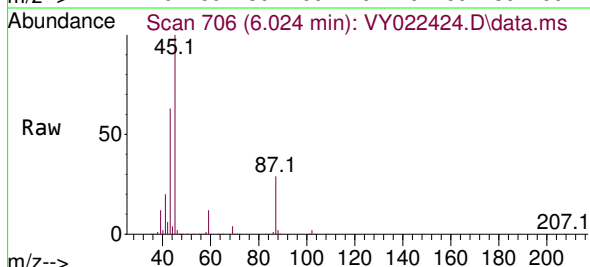
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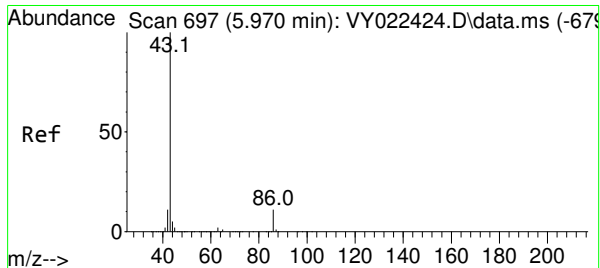
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#22
Diisopropyl ether
Concen: 49.618 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 45 Resp: 433997
Ion Ratio Lower Upper
45 100
43 62.3 49.8 74.8
87 28.8 23.0 34.6
59 12.1 9.7 14.5





#23

Vinyl Acetate

Concen: 251.347 ug/l

RT: 5.970 min Scan# 697

Delta R.T. 0.000 min MSVOA_Y

Lab File: VY022424.D

Acq: 27 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 126232

Ion Ratio Lower Upper

43 100

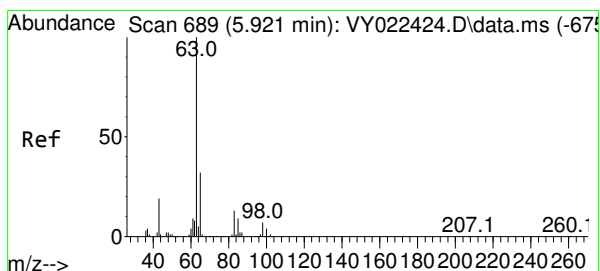
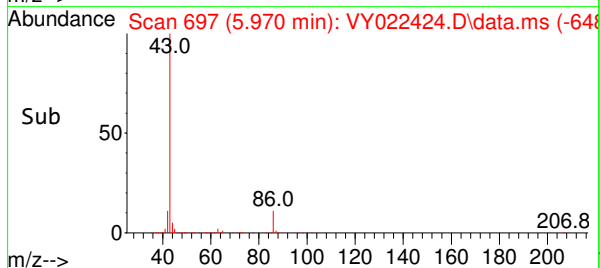
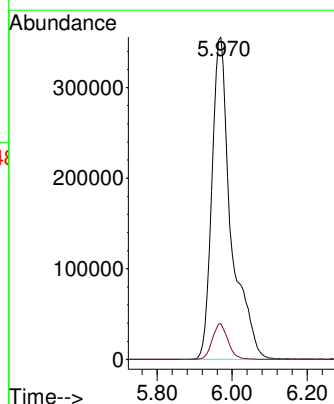
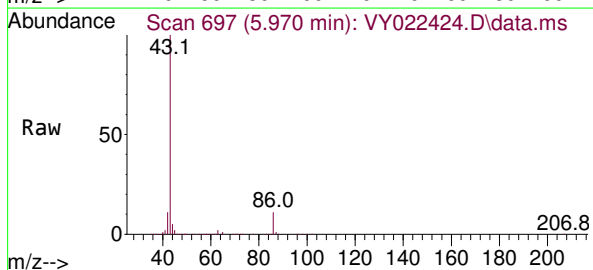
86 11.0 8.8 13.2

Manual Integrations

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Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#24

1,1-Dichloroethane

Concen: 49.955 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.000 min

Lab File: VY022424.D

Acq: 27 May 2025 09:59

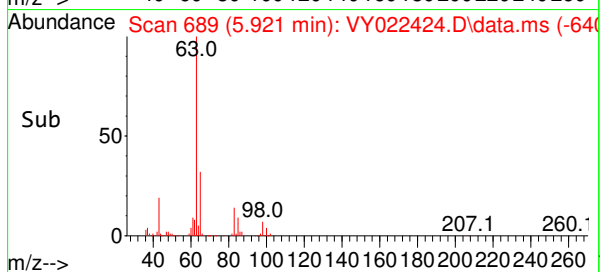
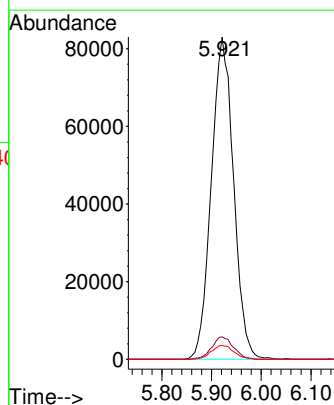
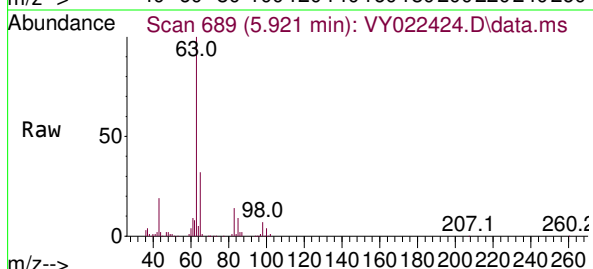
Tgt Ion: 63 Resp: 258190

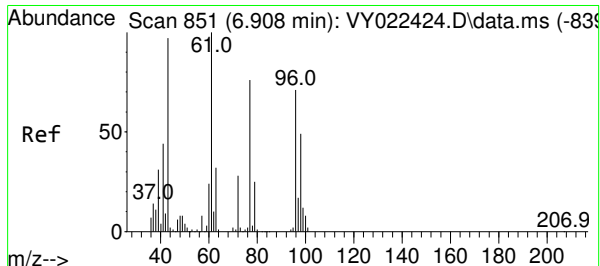
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.3 2.1 6.5





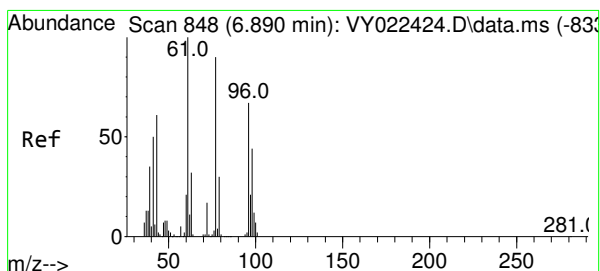
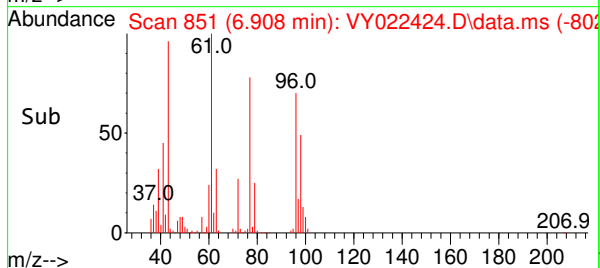
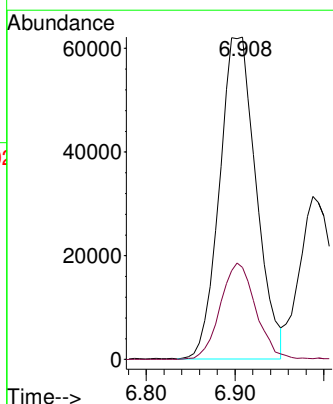
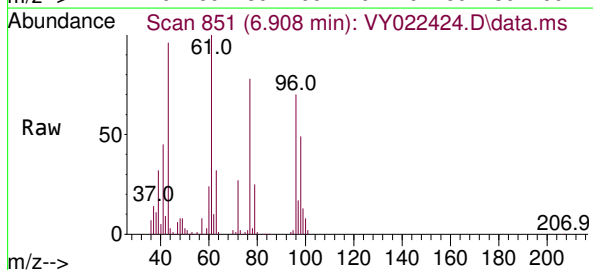
#25
2-Butanone
Concen: 246.104 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 17839
Ion Ratio Lower Upper
43 100
72 28.5 22.8 34.2

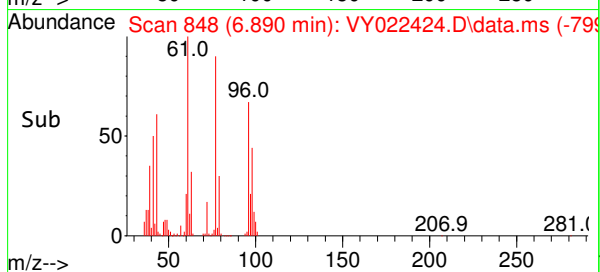
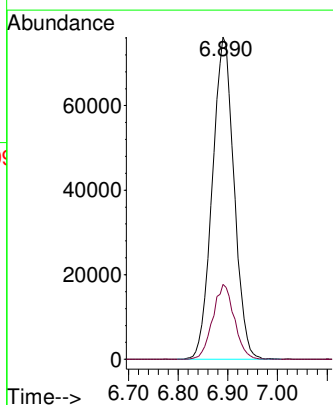
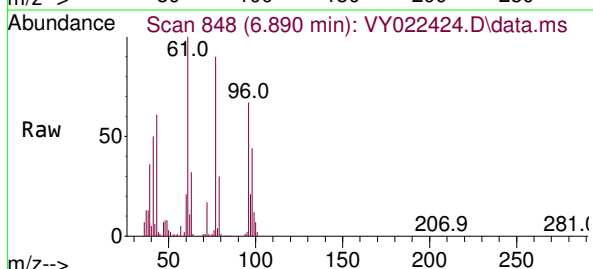
Manual Integrations
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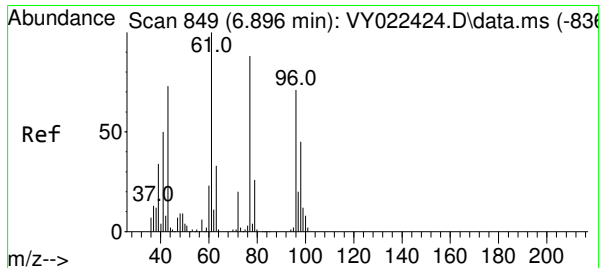
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#26
2,2-Dichloropropane
Concen: 49.466 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 77 Resp: 231499
Ion Ratio Lower Upper
77 100
97 23.1 11.6 34.7





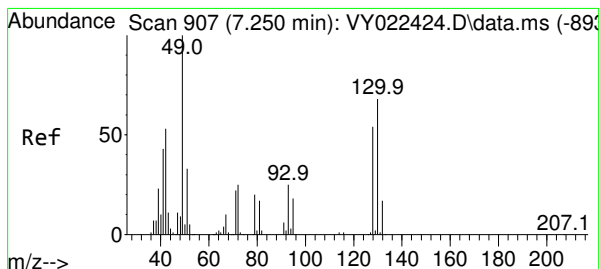
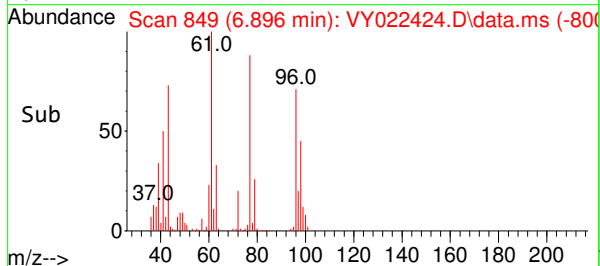
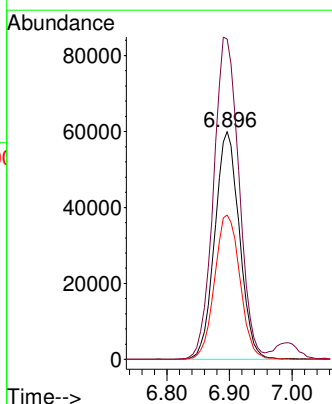
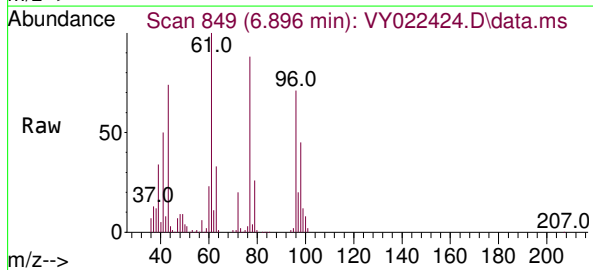
#27
cis-1,2-Dichloroethene
Concen: 49.217 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:	96	Resp:	16387
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	292.0
98	65.5	0.0	131.0

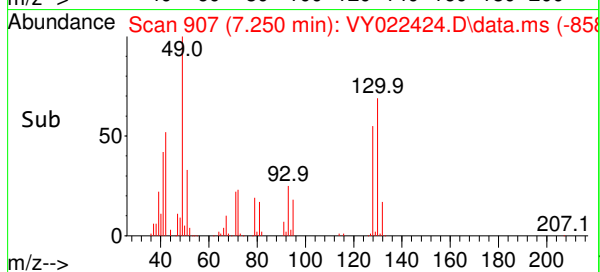
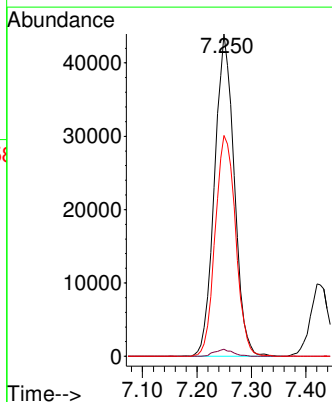
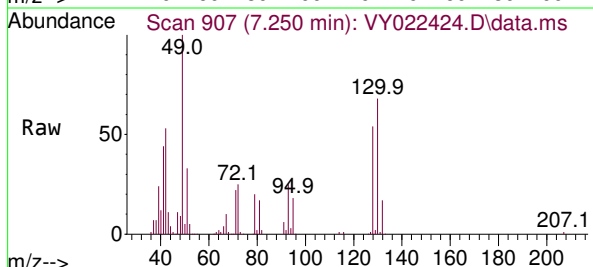
Manual Integrations
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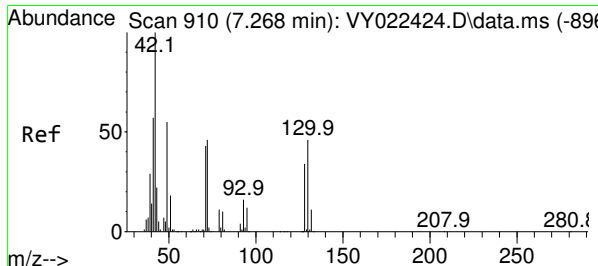
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#28
Bromochloromethane
Concen: 51.091 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:	49	Resp:	110266
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.1	56.9	85.3





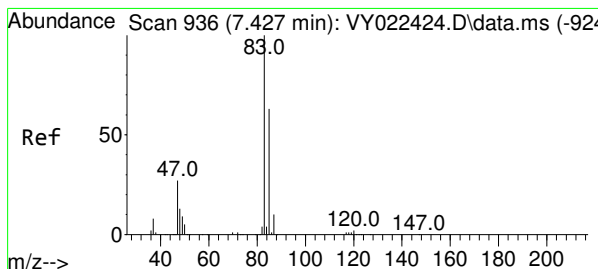
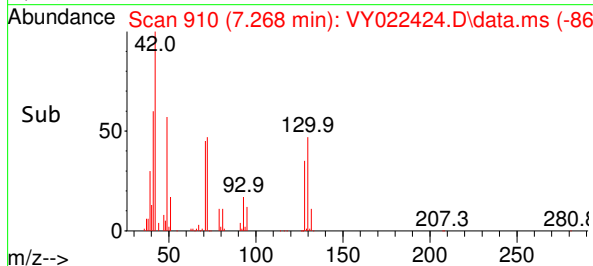
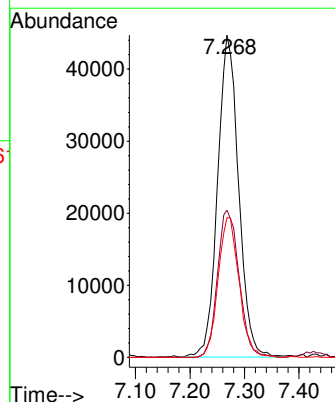
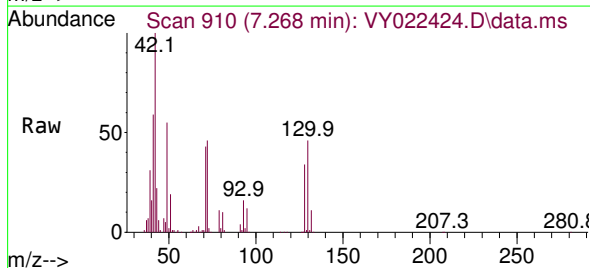
#29
Tetrahydrofuran
Concen: 247.328 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 11956
Ion Ratio Lower Upper
42 100
72 47.1 37.7 56.5
71 43.4 34.7 52.1

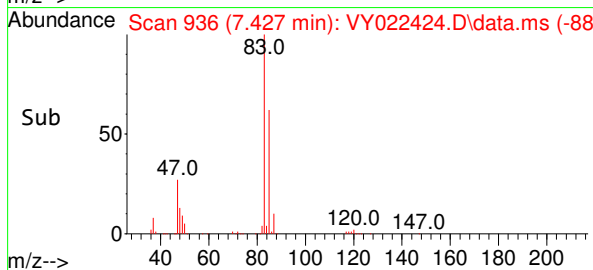
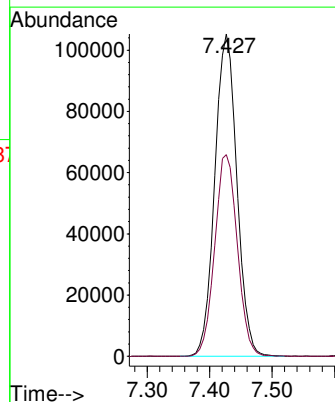
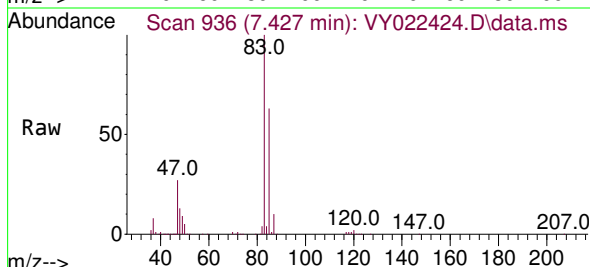
Manual Integrations
APPROVED

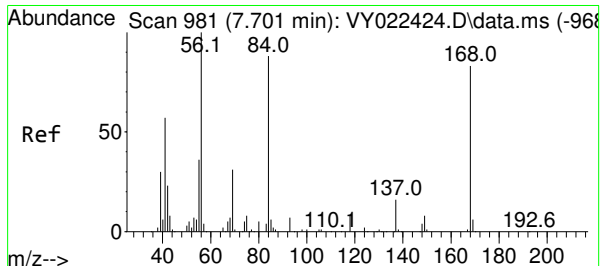
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#30
Chloroform
Concen: 50.655 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 83 Resp: 257981
Ion Ratio Lower Upper
83 100
85 62.6 50.1 75.1





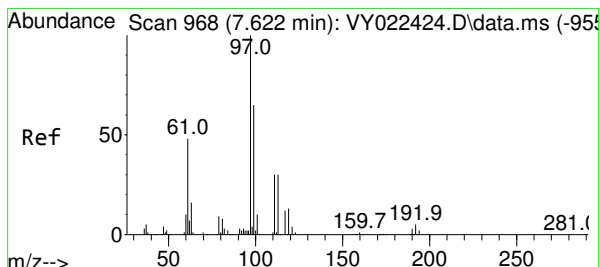
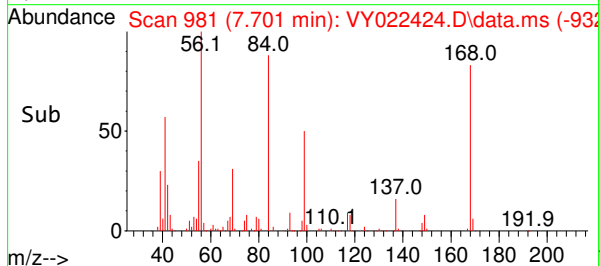
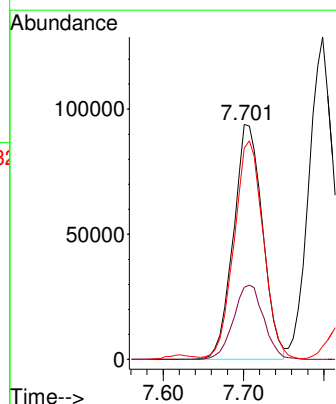
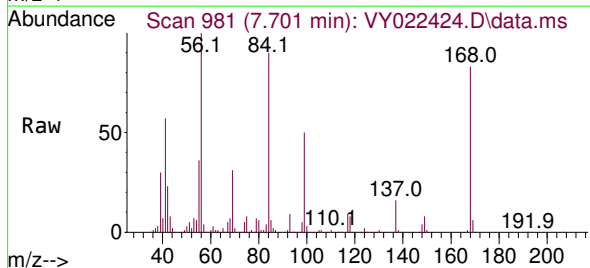
#31
Cyclohexane
Concen: 46.340 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 23609
Ion Ratio Lower Upper
56 100
69 30.7 24.6 36.8
84 88.0 70.4 105.6

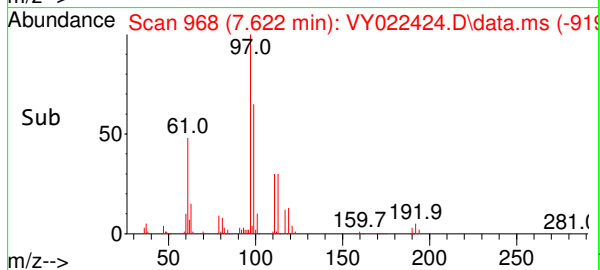
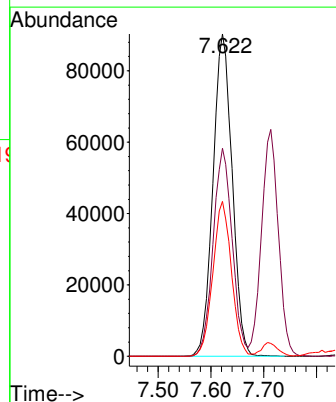
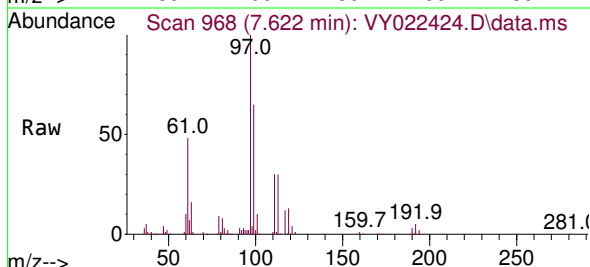
Manual Integrations
APPROVED

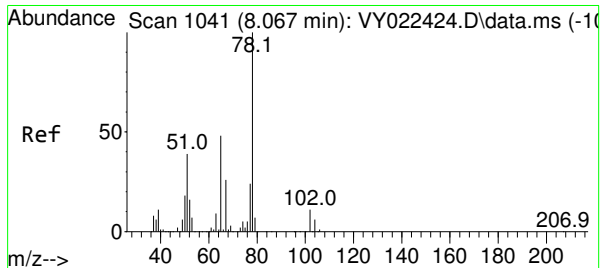
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#32
1,1,1-Trichloroethane
Concen: 49.660 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 97 Resp: 229531
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 46.6 37.3 55.9





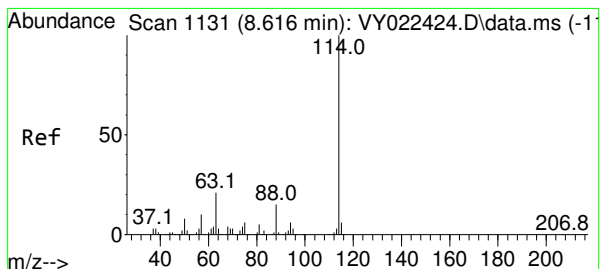
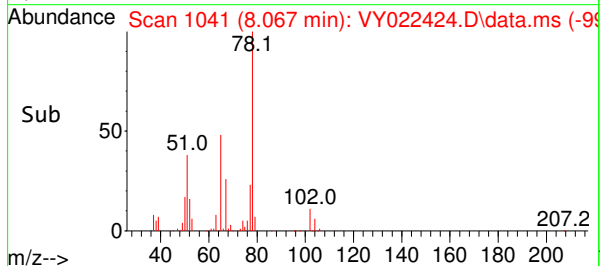
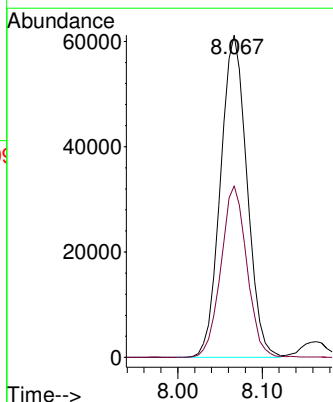
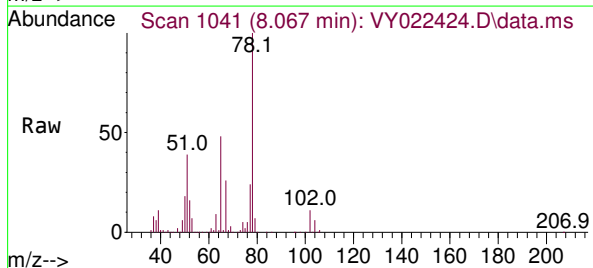
#33
1,2-Dichloroethane-d4
Concen: 50.486 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 13372
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.4

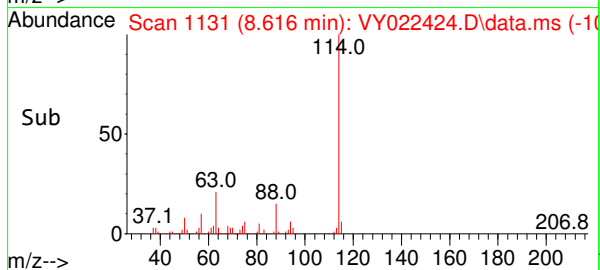
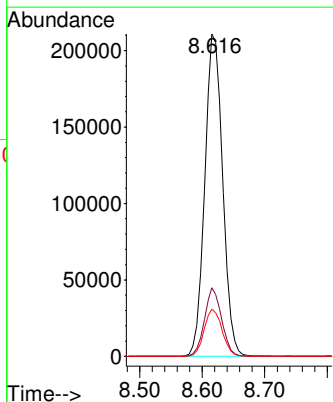
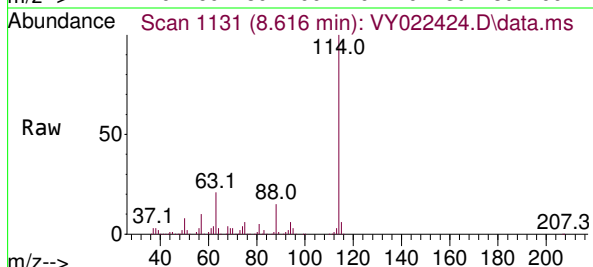
Manual Integrations
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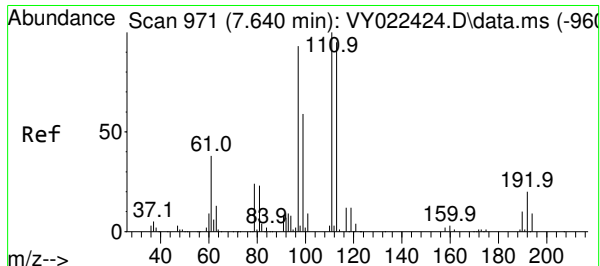
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:114 Resp: 421648
Ion Ratio Lower Upper
114 100
63 21.3 0.0 42.6
88 14.7 0.0 29.4





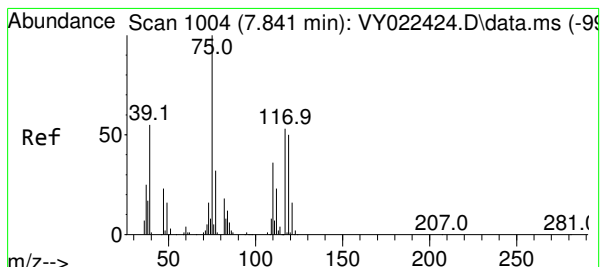
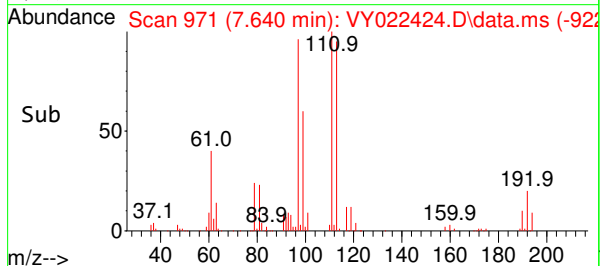
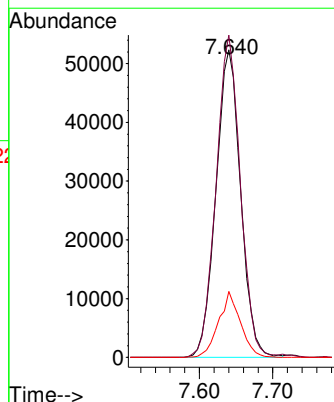
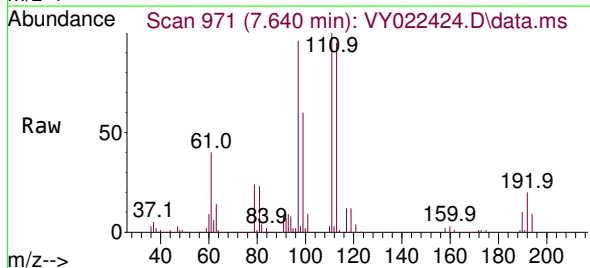
#35
Dibromofluoromethane
Concen: 49.438 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 113 Resp: 12207
Ion Ratio Lower Upper
113 100
111 103.0 82.4 123.6
192 19.0 15.2 22.8

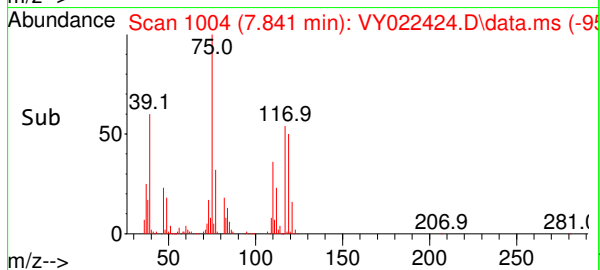
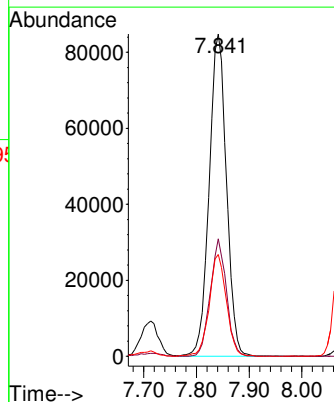
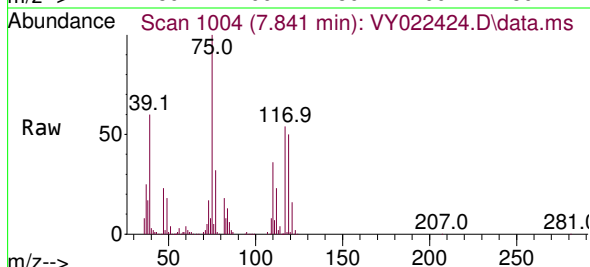
Manual Integrations
APPROVED

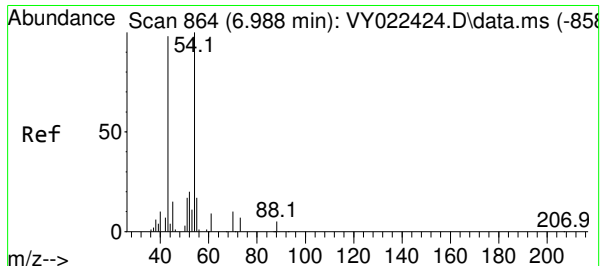
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#36
1,1-Dichloropropene
Concen: 49.482 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

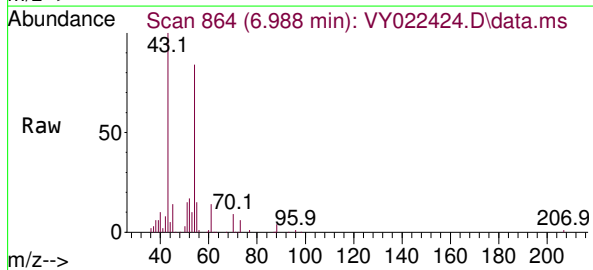
Tgt Ion: 75 Resp: 193888
Ion Ratio Lower Upper
75 100
110 34.1 17.1 51.2
77 31.4 25.1 37.7





#37
Ethyl Acetate
Concen: 50.538 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

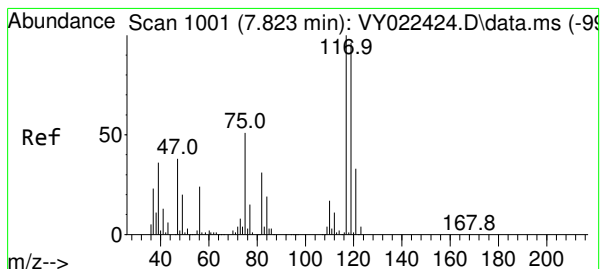
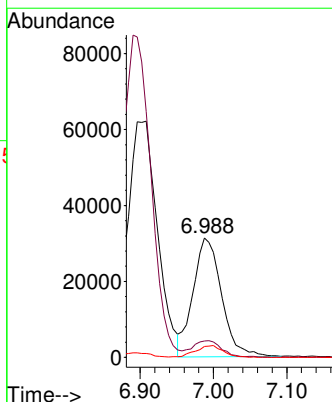
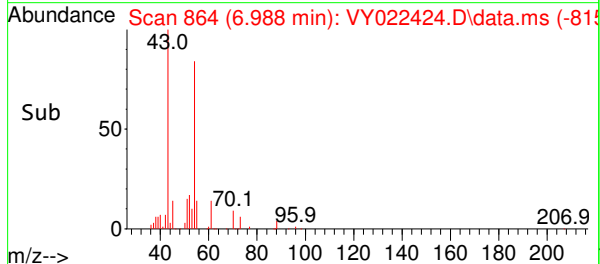
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 8415
Ion Ratio Lower Upper
43 100
61 14.6 11.7 17.5
70 9.7 7.8 11.6

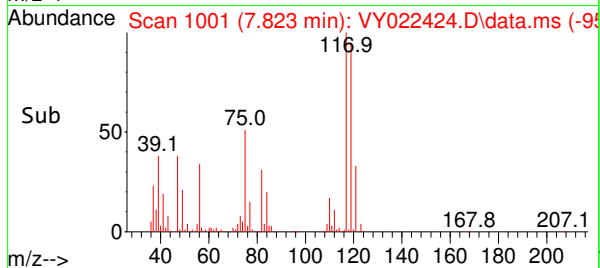
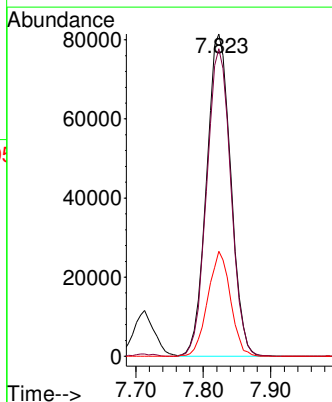
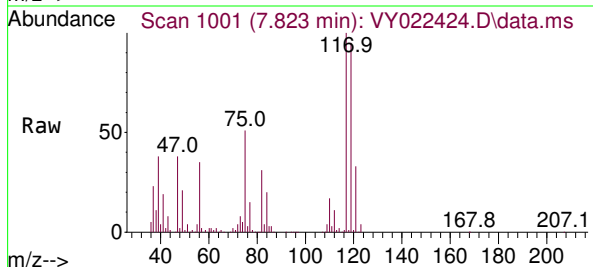
Manual Integrations
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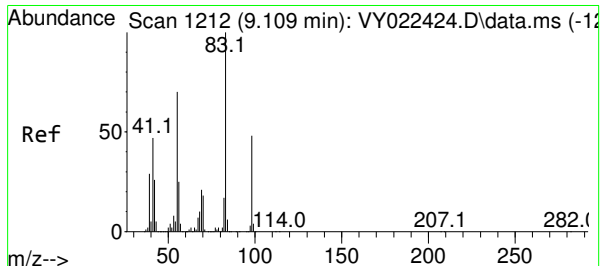
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#38
Carbon Tetrachloride
Concen: 49.731 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:117 Resp: 202994
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5
121 32.6 26.1 39.1





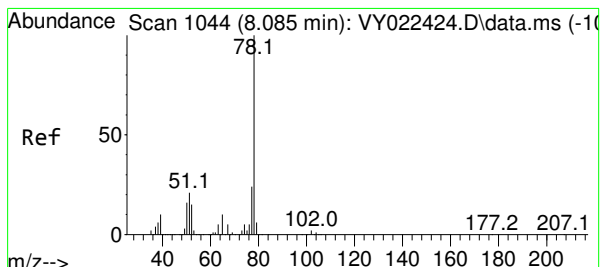
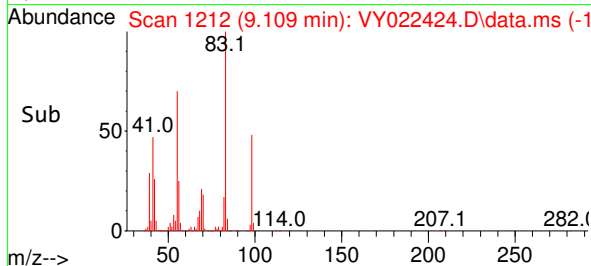
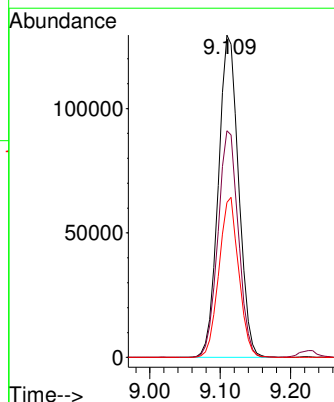
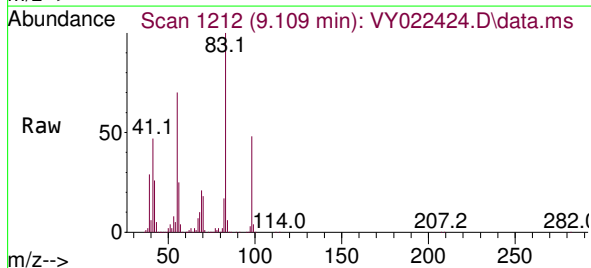
#39
Methylcyclohexane
Concen: 49.724 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.2	56.2	84.2
98	48.0	38.4	57.6

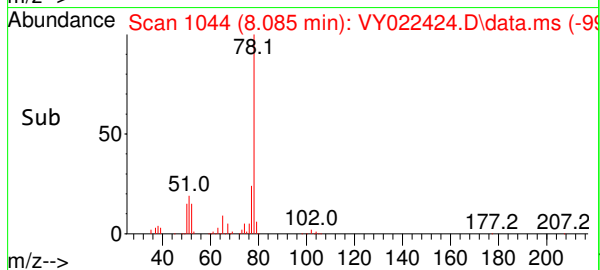
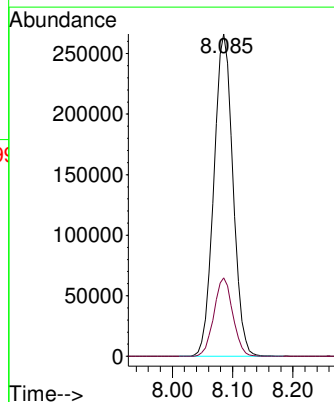
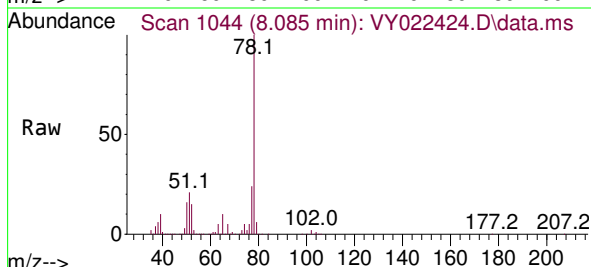
Manual Integrations
APPROVED

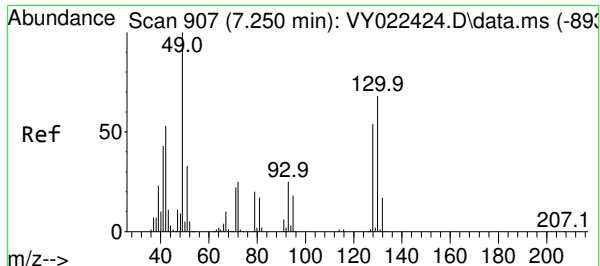
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#40
Benzene
Concen: 50.308 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.2





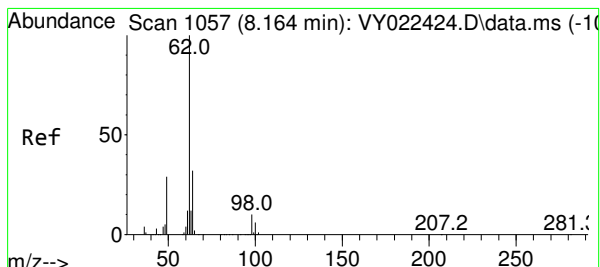
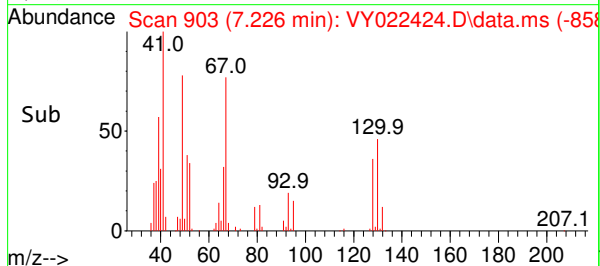
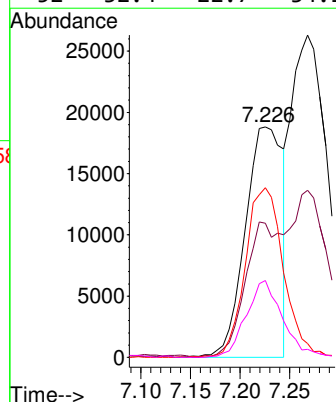
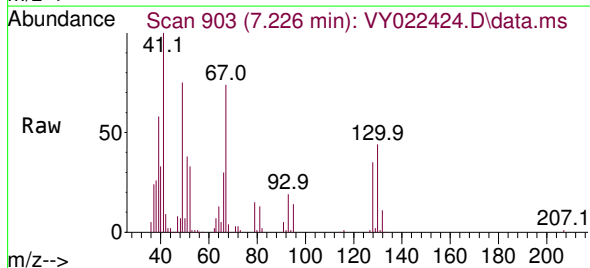
#41
Methacrylonitrile
Concen: 22.465 ug/l
RT: 7.226 min Scan# 903
Delta R.T. -0.024 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 4923
Ion Ratio Lower Upper
41 100
39 57.5 40.4 60.6
67 75.4 53.0 79.4
52 32.4 22.7 34.1

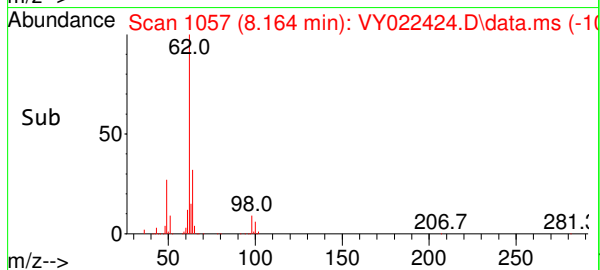
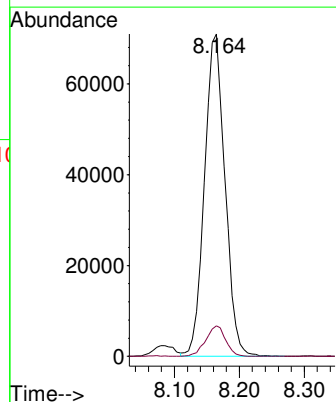
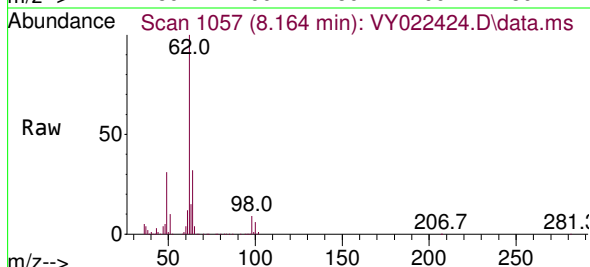
Manual Integrations
APPROVED

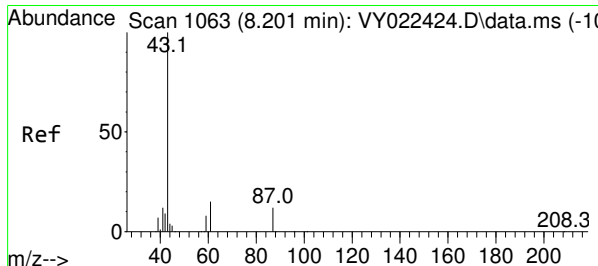
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#42
1,2-Dichloroethane
Concen: 50.458 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 62 Resp: 155379
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4





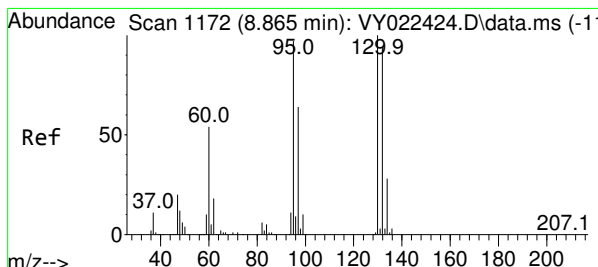
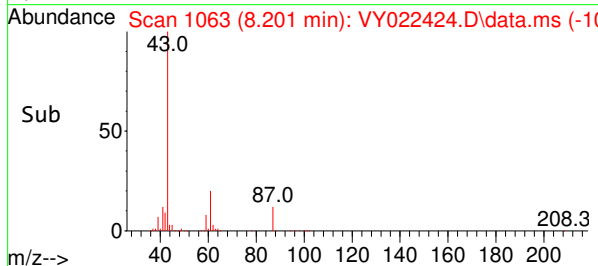
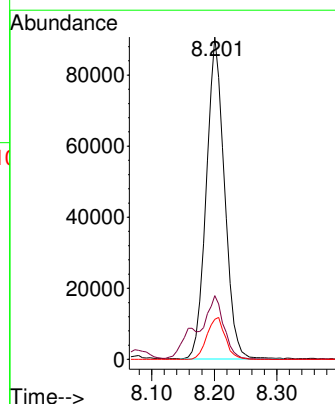
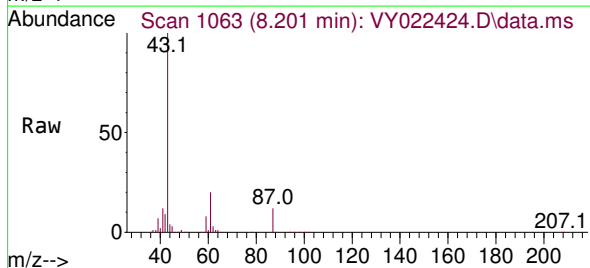
#43
Isopropyl Acetate
Concen: 50.467 ug/l
RT: 8.201 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.2	10.6	15.8

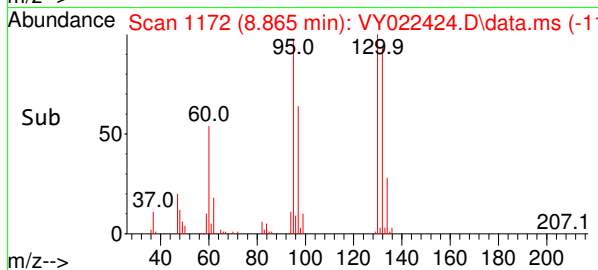
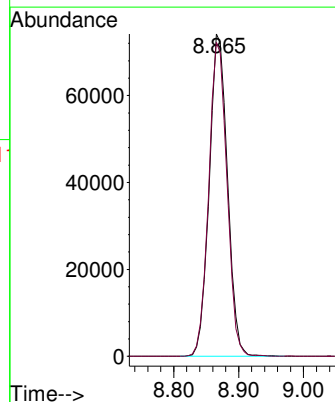
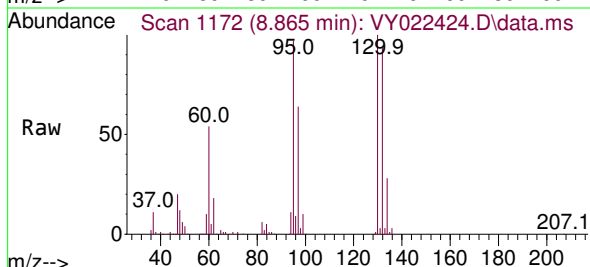
Manual Integrations
APPROVED

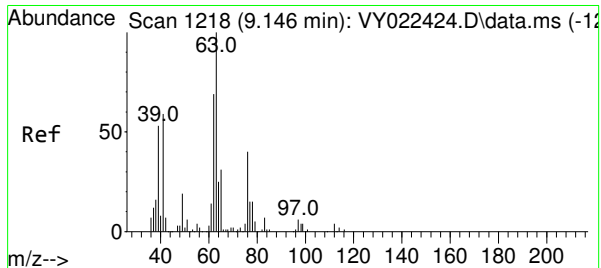
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#44
Trichloroethene
Concen: 50.172 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	194.8





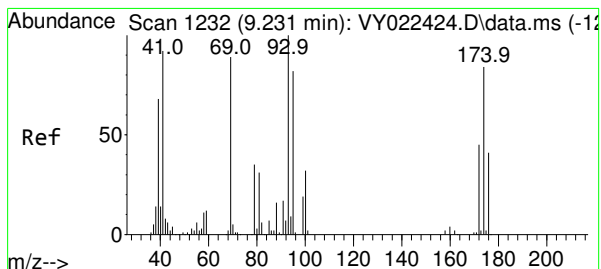
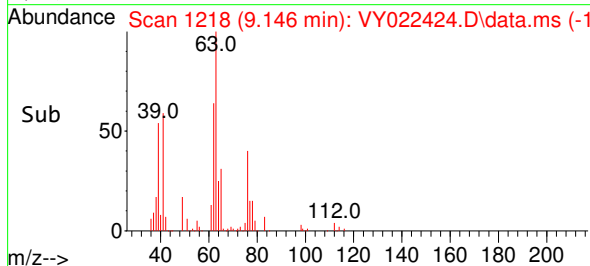
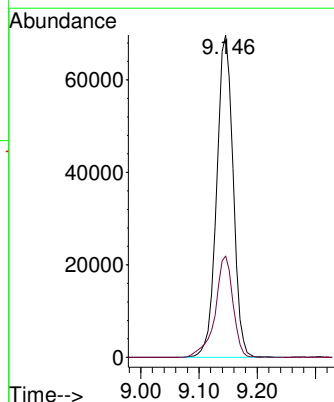
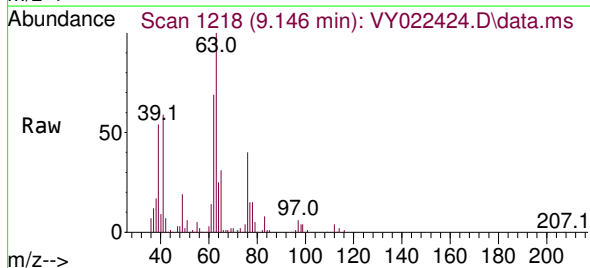
#45
1,2-Dichloropropane
Concen: 49.730 ug/l
RT: 9.146 min Scan# 1218
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 13623
Ion Ratio Lower Upper
63 100
65 31.4 25.1 37.7

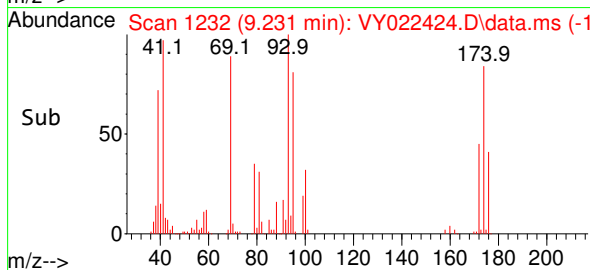
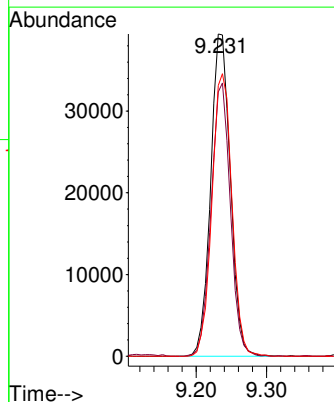
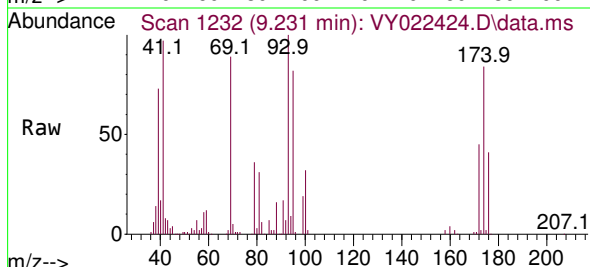
Manual Integrations
APPROVED

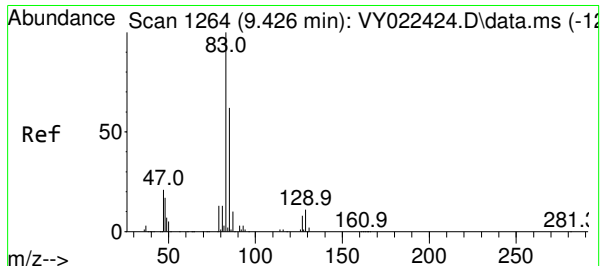
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#46
Dibromomethane
Concen: 50.148 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 93 Resp: 76743
Ion Ratio Lower Upper
93 100
95 82.7 66.2 99.2
174 88.9 71.1 106.7





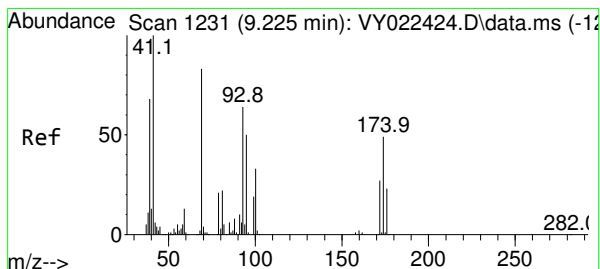
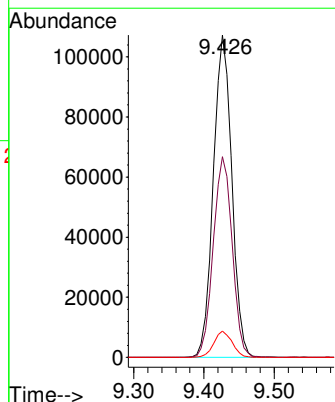
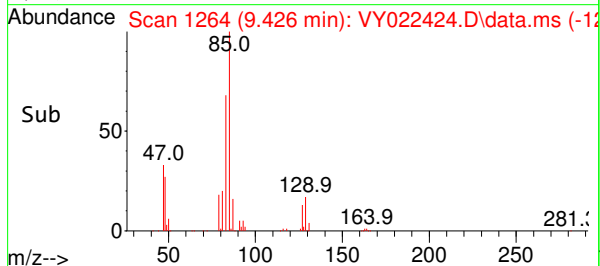
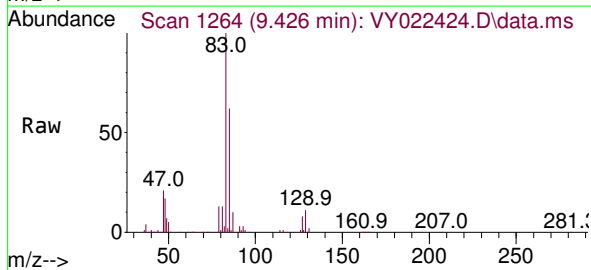
#47
Bromodichloromethane
Concen: 49.717 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.8	74.6
127	8.2	6.6	9.8

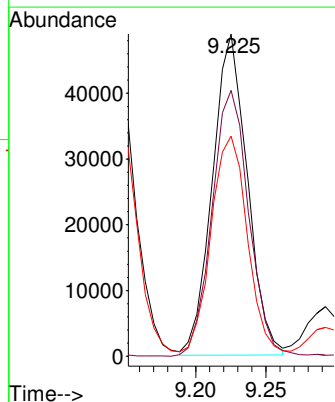
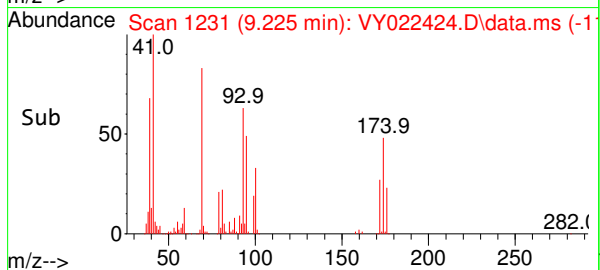
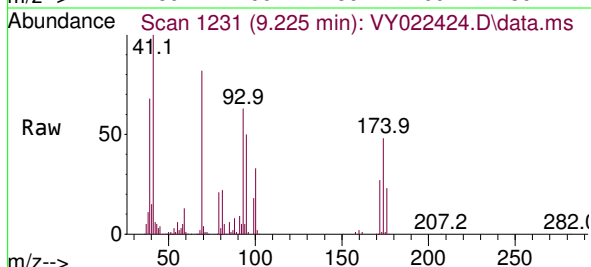
Manual Integrations
APPROVED

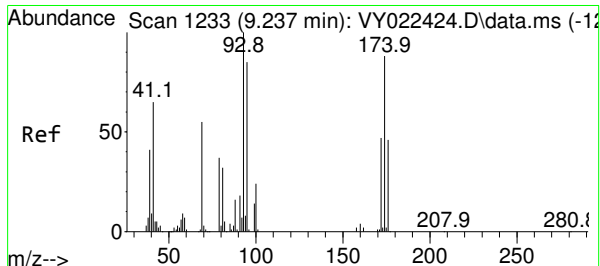
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#48
Methyl methacrylate
Concen: 49.870 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.9	70.3	105.5
39	69.2	55.4	83.0





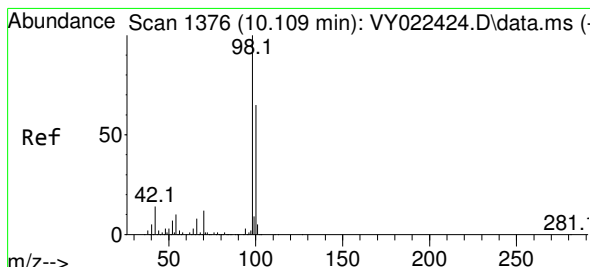
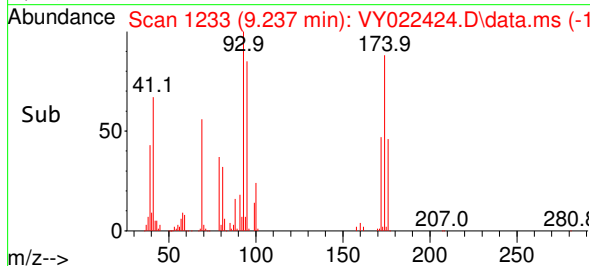
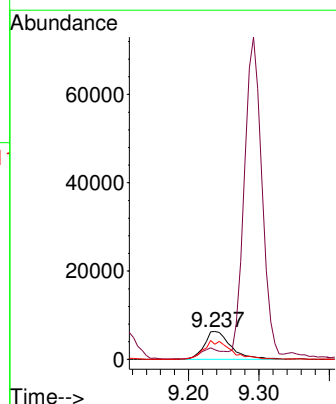
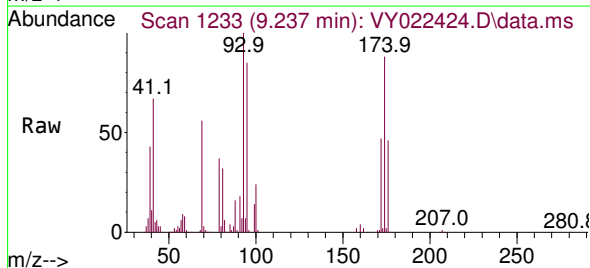
#49
1,4-Dioxane
Concen: 988.479 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion	88	Resp	1676
Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.9	40.3
58	69.7	55.8	83.6

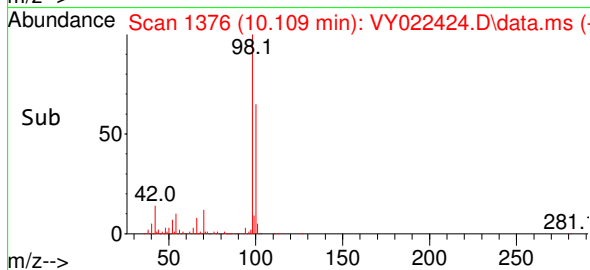
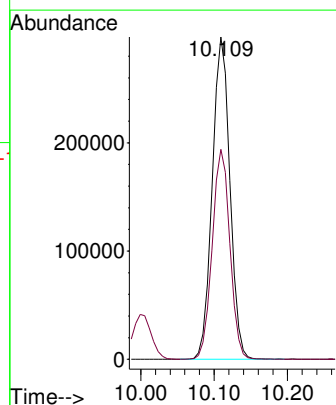
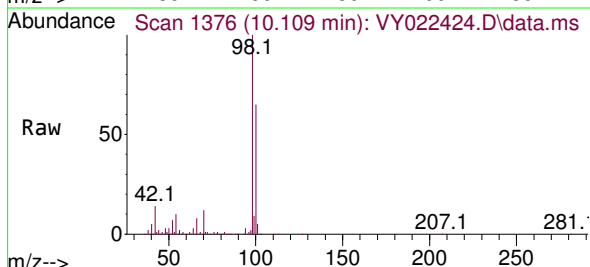
Manual Integrations
APPROVED

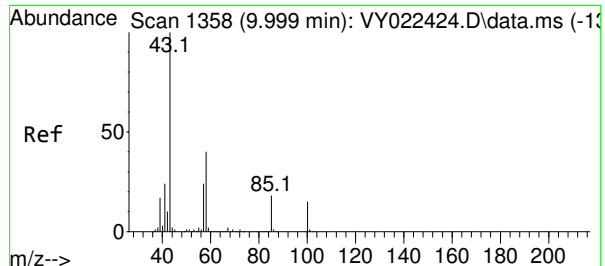
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#50
Toluene-d8
Concen: 49.264 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion	98	Resp	495900
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





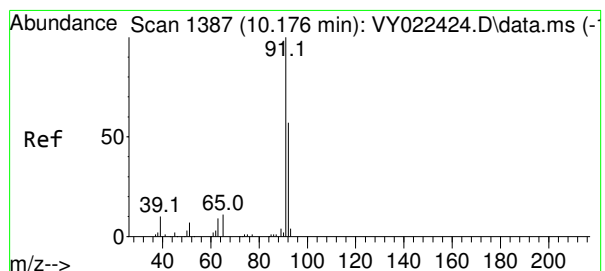
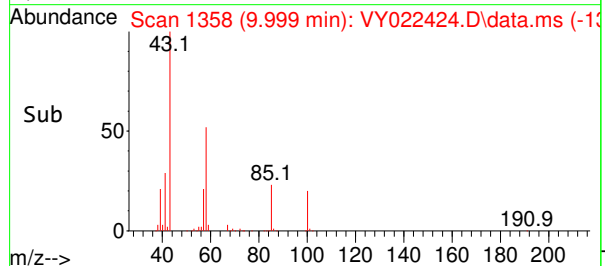
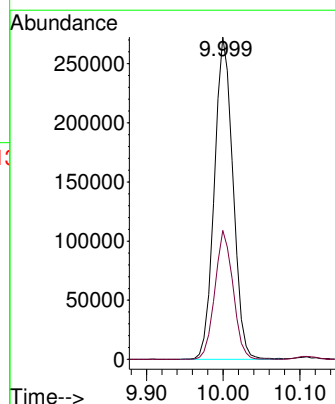
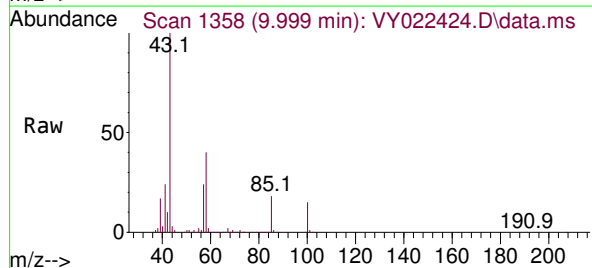
#51
4-Methyl-2-Pentanone
Concen: 256.225 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 46003
Ion Ratio Lower Upper
43 100
58 39.0 31.2 46.8

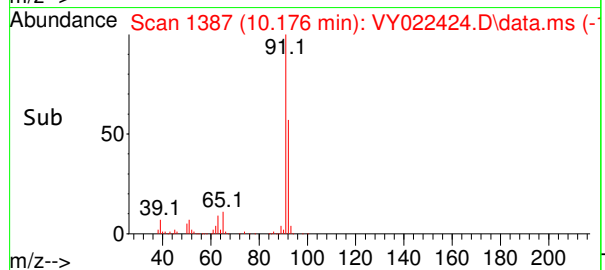
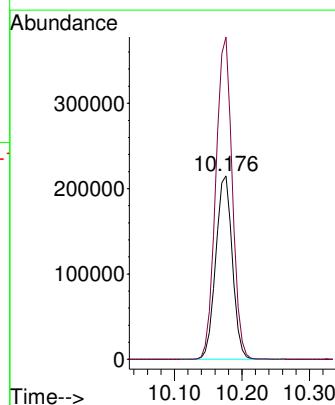
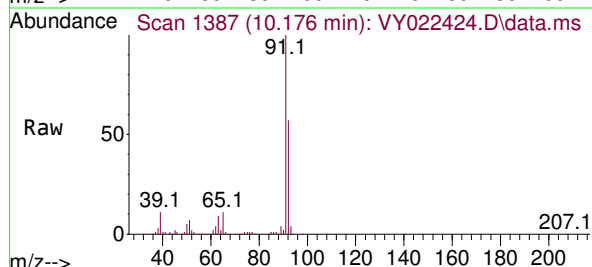
Manual Integrations
APPROVED

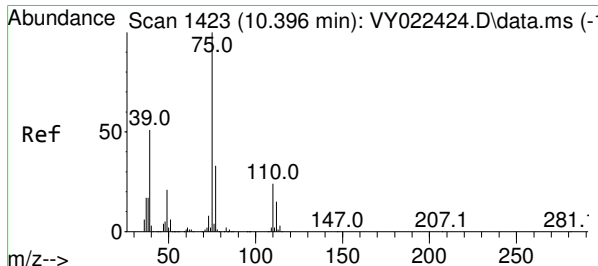
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#52
Toluene
Concen: 50.235 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 92 Resp: 365833
Ion Ratio Lower Upper
92 100
91 174.7 139.8 209.6





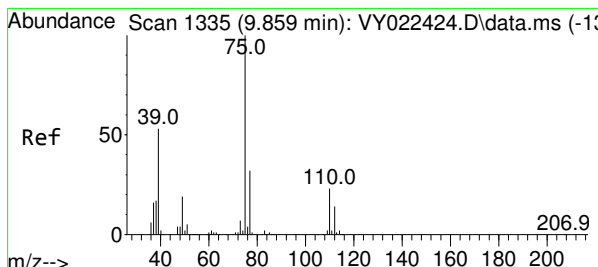
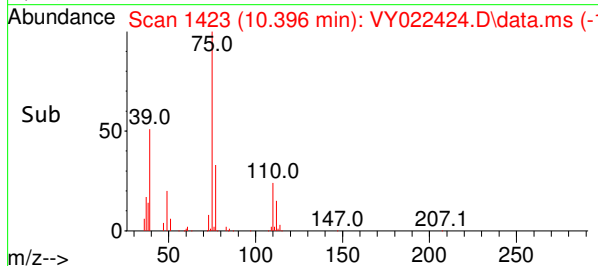
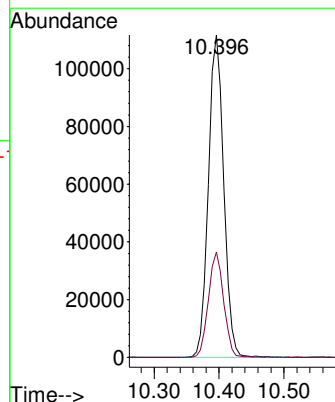
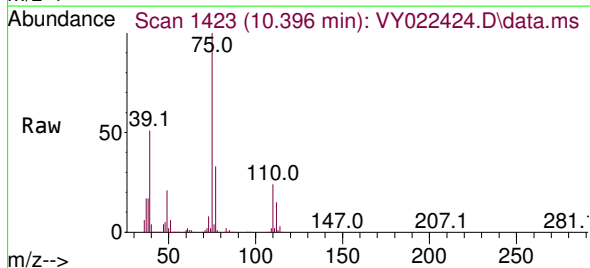
#53
t-1,3-Dichloropropene
Concen: 49.875 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 18281
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2

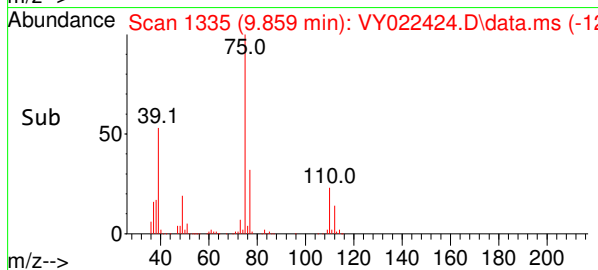
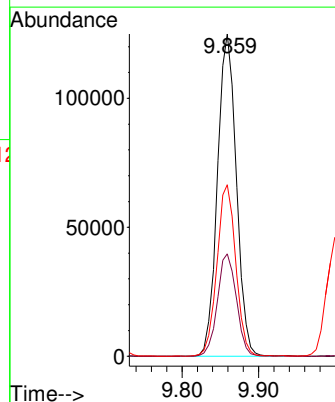
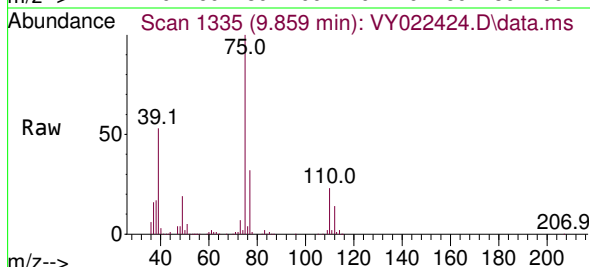
Manual Integrations
APPROVED

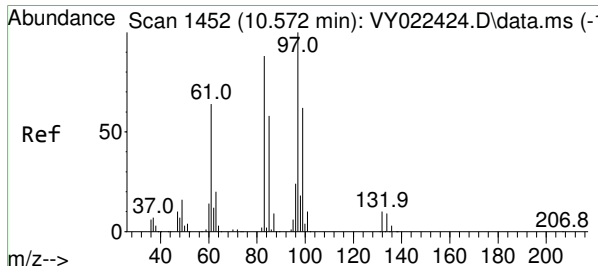
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#54
cis-1,3-Dichloropropene
Concen: 49.683 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

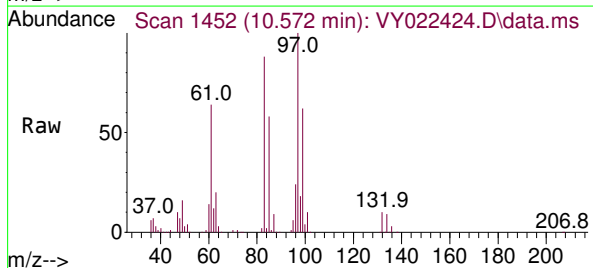
Tgt Ion: 75 Resp: 213990
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
39 53.1 42.5 63.7





#55
1,1,2-Trichloroethane
Concen: 50.011 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

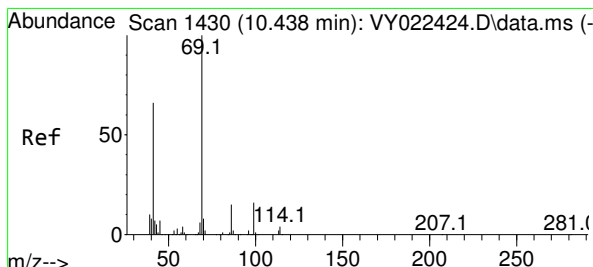
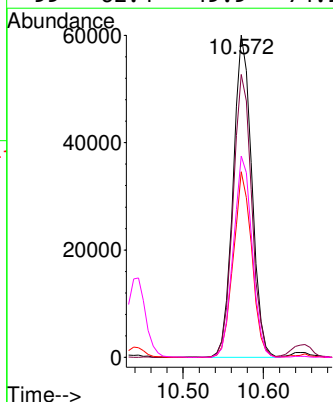
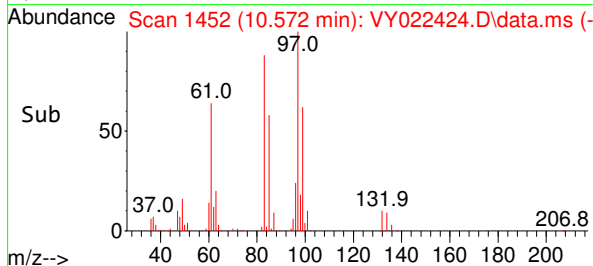
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 97 Resp: 9676
Ion Ratio Lower Upper
97 100
83 87.8 70.2 105.4
85 57.6 46.1 69.1
99 62.4 49.9 74.9

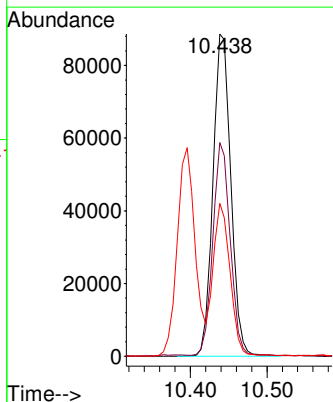
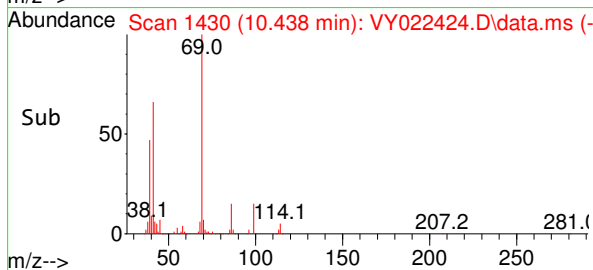
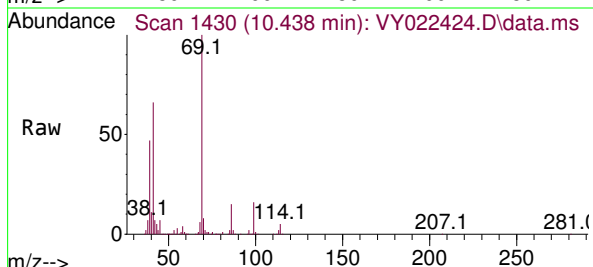
Manual Integrations
APPROVED

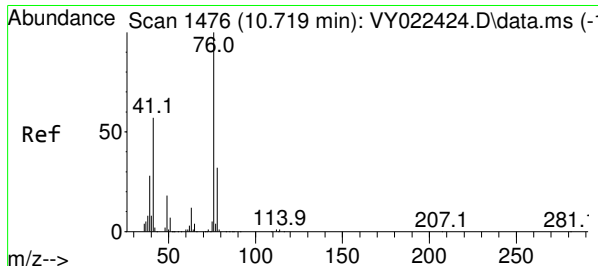
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#56
Ethyl methacrylate
Concen: 51.650 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 69 Resp: 143409
Ion Ratio Lower Upper
69 100
41 64.0 51.2 76.8
39 44.0 35.2 52.8





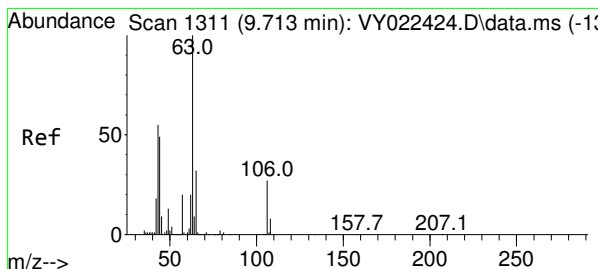
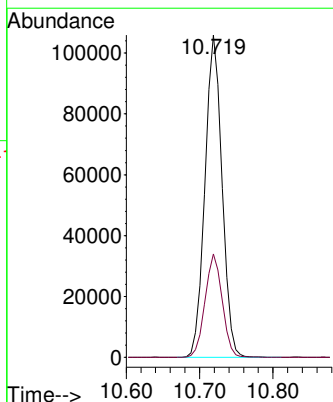
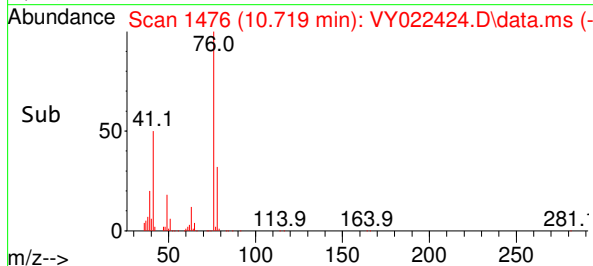
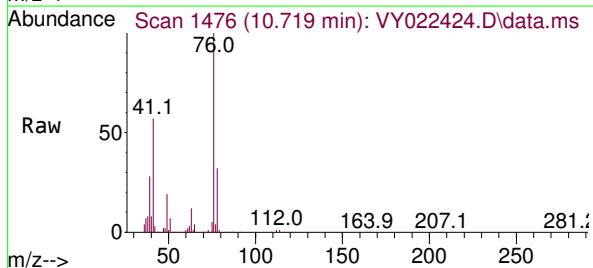
#57
1,3-Dichloropropane
Concen: 50.093 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 17079
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

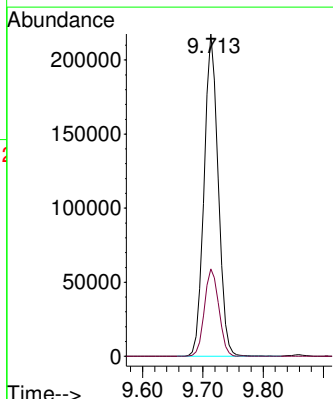
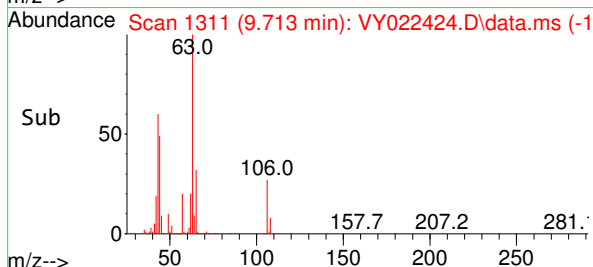
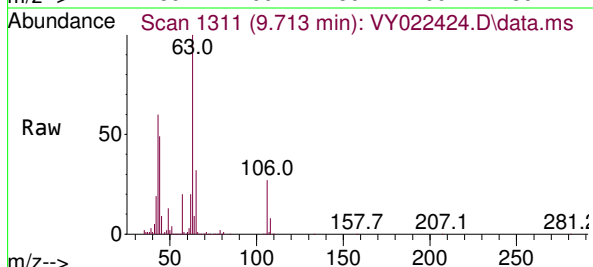
Manual Integrations
APPROVED

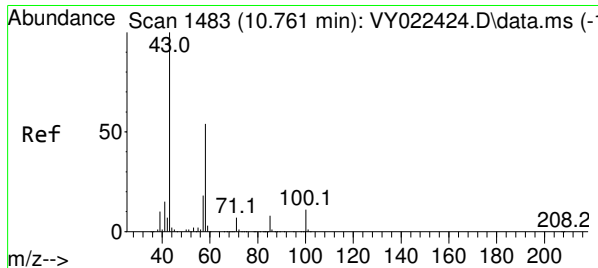
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 254.955 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 63 Resp: 352804
Ion Ratio Lower Upper
63 100
106 27.7 22.2 33.2





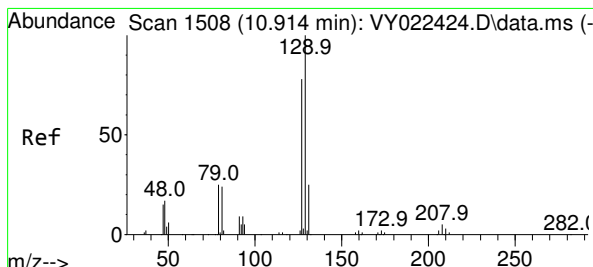
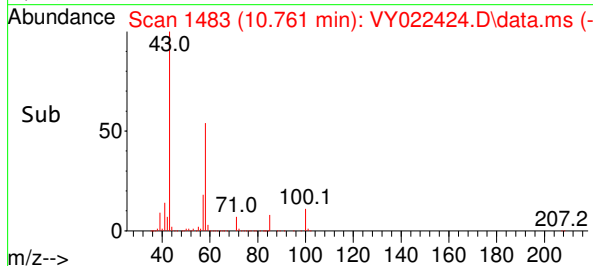
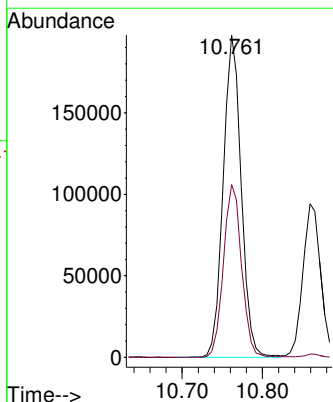
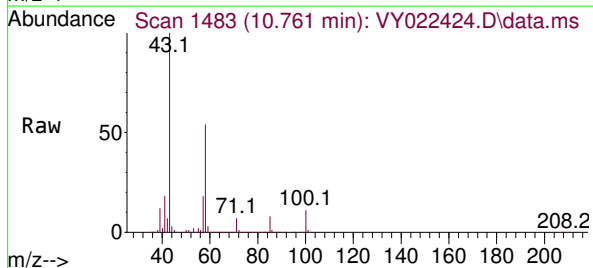
#59
2-Hexanone
Concen: 260.045 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 30597
Ion Ratio Lower Upper
43 100
58 54.1 27.1 81.2

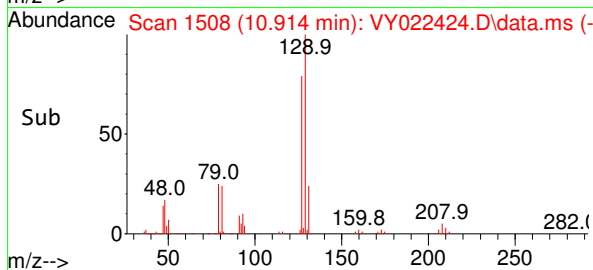
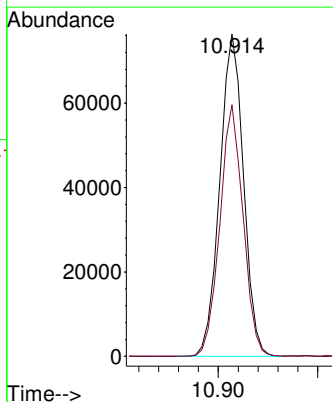
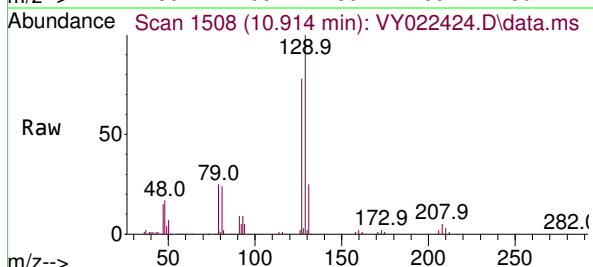
Manual Integrations
APPROVED

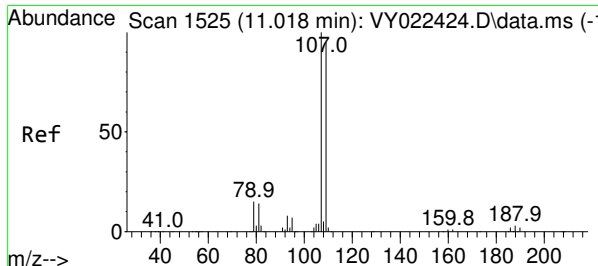
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#60
Dibromochloromethane
Concen: 51.479 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:129 Resp: 127232
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





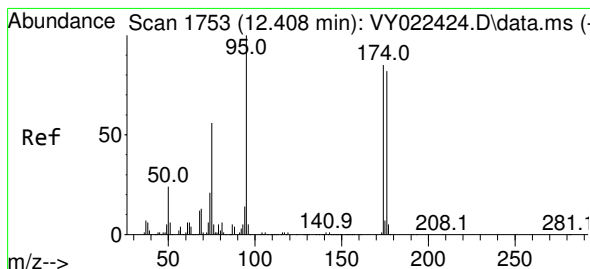
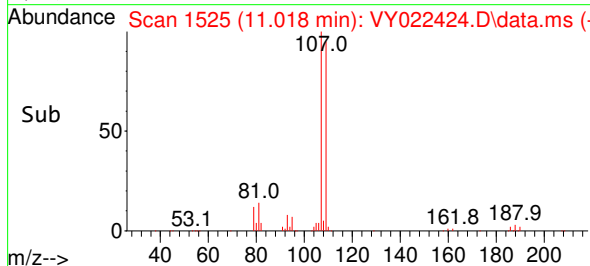
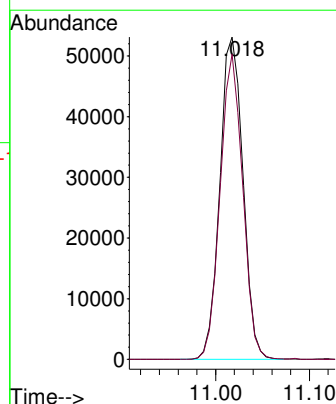
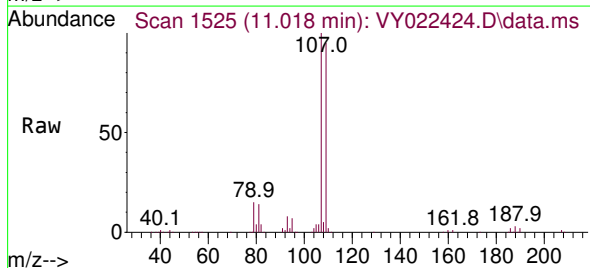
#61
1,2-Dibromoethane
Concen: 51.221 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 107 Resp: 9064
Ion Ratio Lower Upper
107 100
109 92.5 74.0 111.0

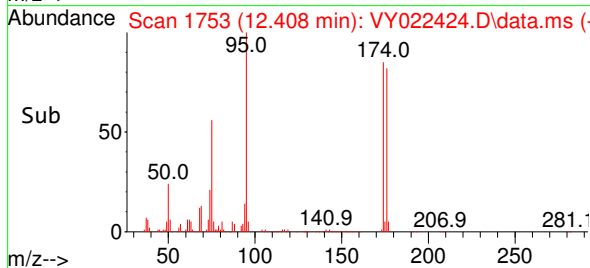
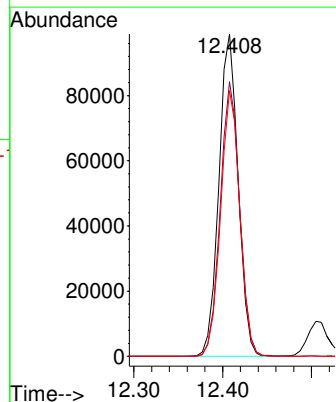
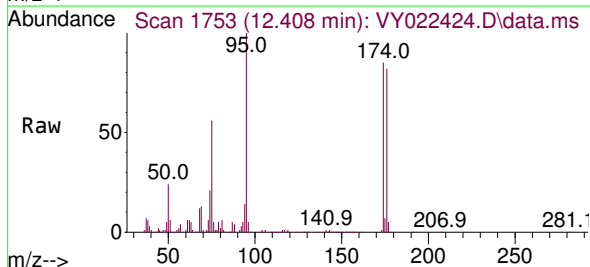
Manual Integrations
APPROVED

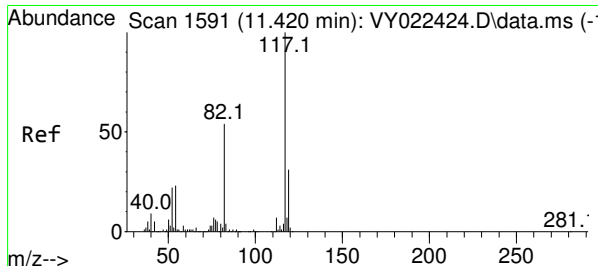
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#62
4-Bromofluorobenzene
Concen: 49.160 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 95 Resp: 149686
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 82.3 0.0 164.6





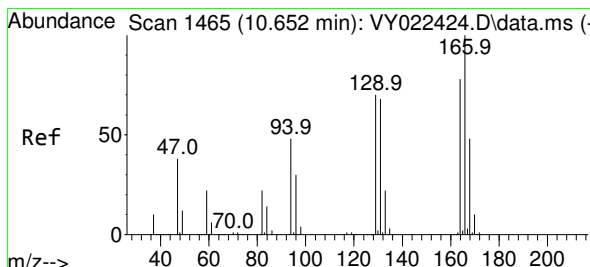
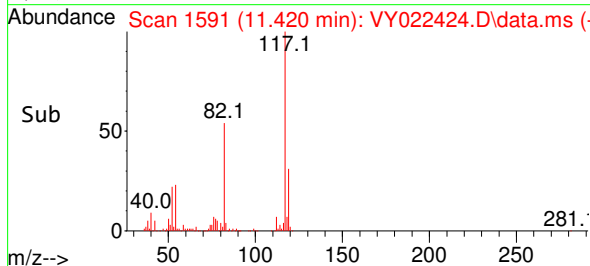
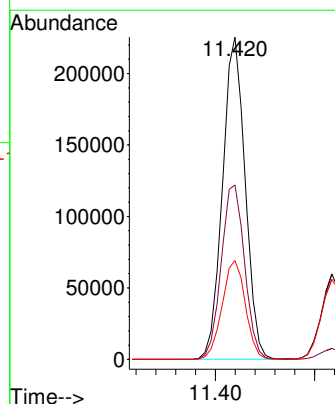
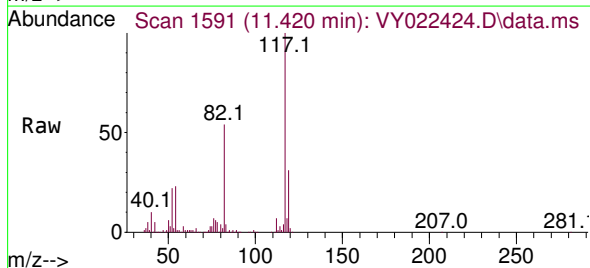
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 35938
Ion Ratio Lower Upper
117 100
82 54.1 43.3 64.9
119 30.6 24.5 36.7

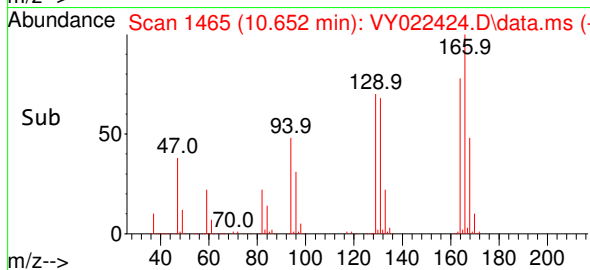
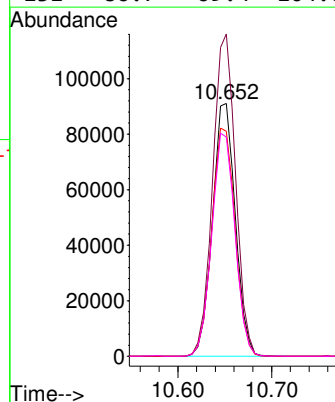
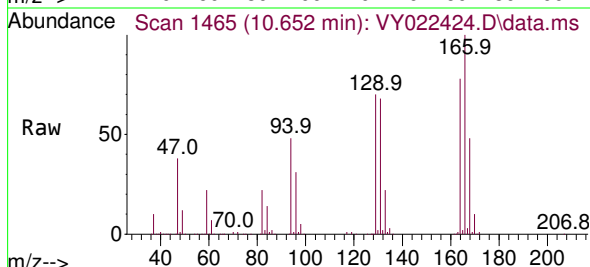
Manual Integrations
APPROVED

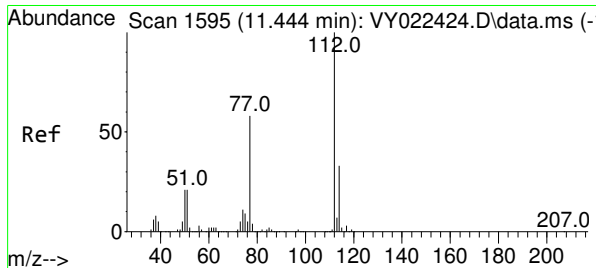
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#64
Tetrachloroethene
Concen: 50.371 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:164 Resp: 154172
Ion Ratio Lower Upper
164 100
166 127.5 102.0 153.0
129 89.1 71.3 106.9
131 86.7 69.4 104.0





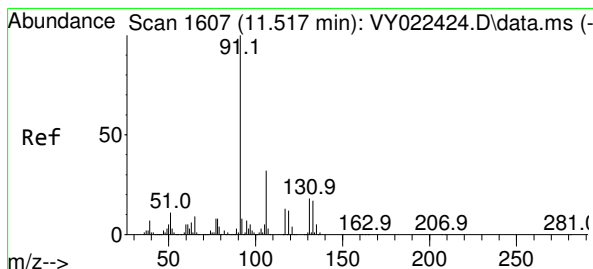
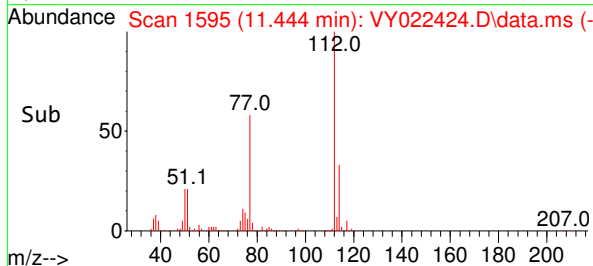
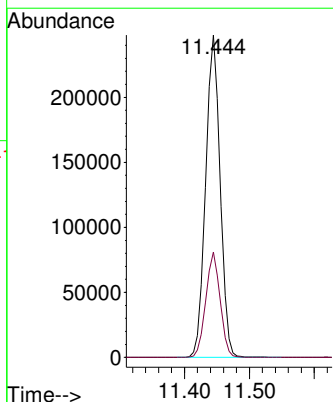
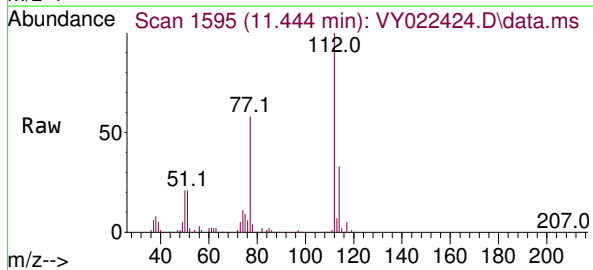
#65
Chlorobenzene
Concen: 50.045 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 38356
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1

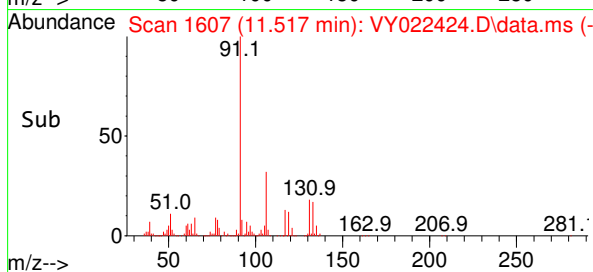
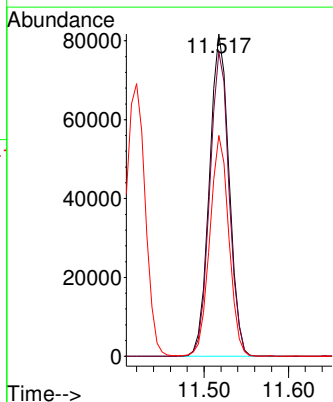
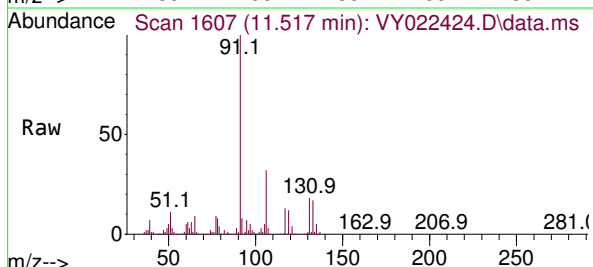
Manual Integrations
APPROVED

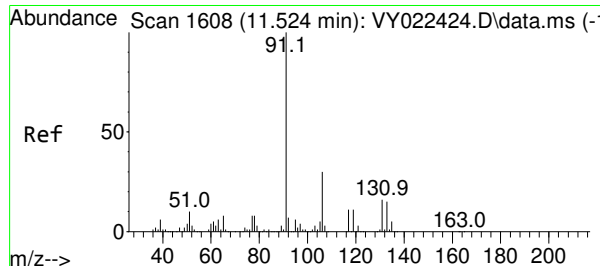
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 51.108 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:131 Resp: 132697
Ion Ratio Lower Upper
131 100
133 93.2 46.6 139.8
119 66.5 33.3 99.8





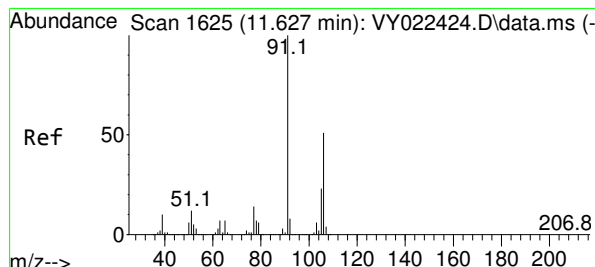
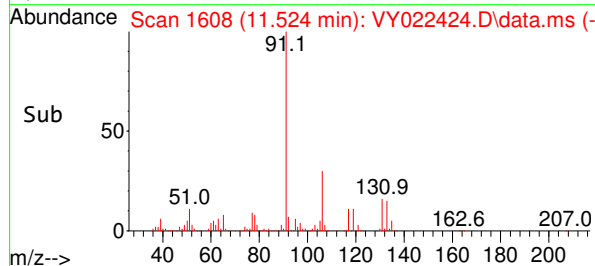
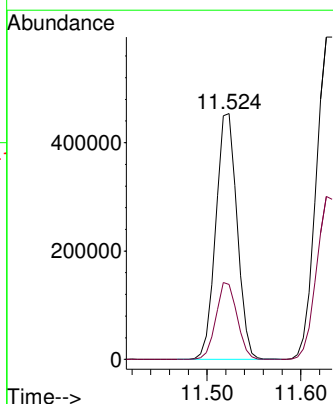
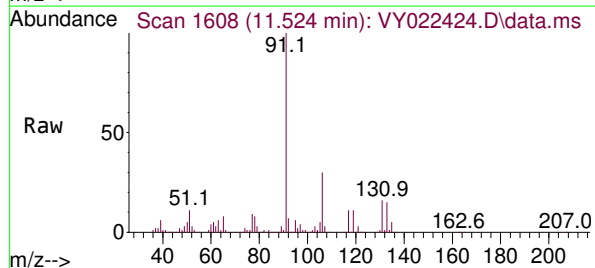
#67
Ethyl Benzene
Concen: 50.007 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 71155
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6

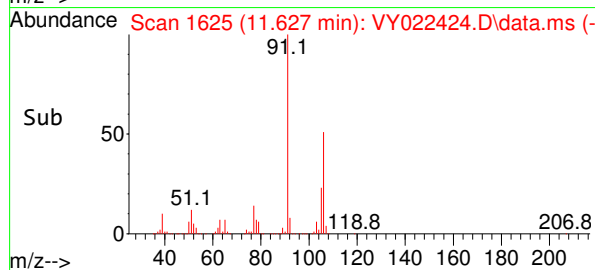
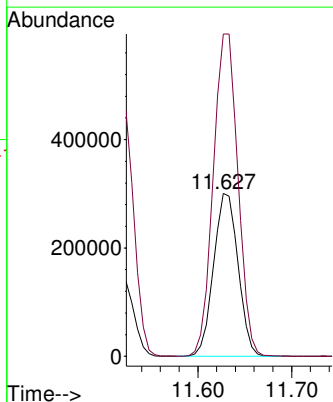
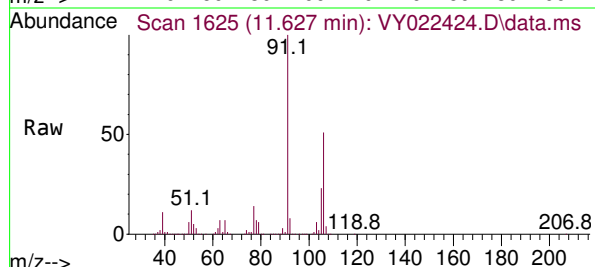
Manual Integrations
APPROVED

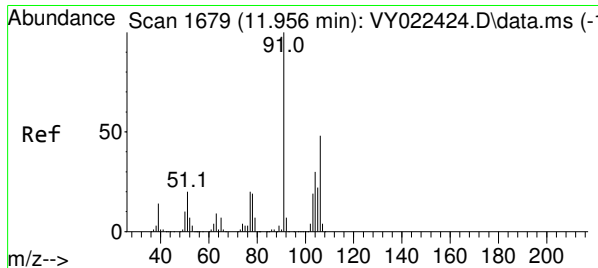
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#68
m/p-Xylenes
Concen: 100.776 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:106 Resp: 543665
Ion Ratio Lower Upper
106 100
91 199.8 159.8 239.8





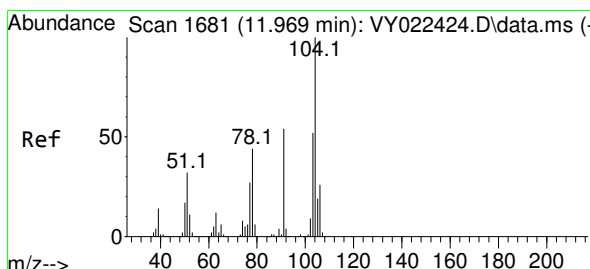
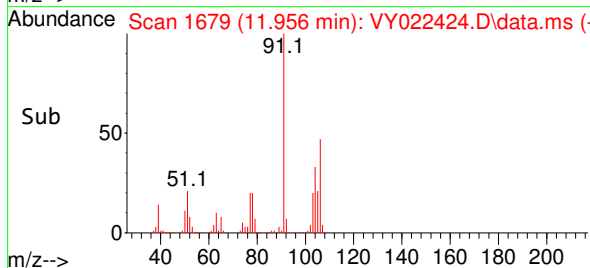
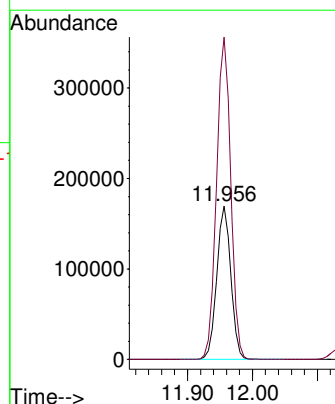
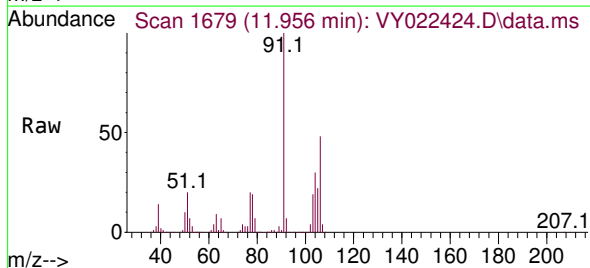
#69
o-Xylene
Concen: 50.270 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 25488
Ion Ratio Lower Upper
106 100
91 212.6 106.3 318.9

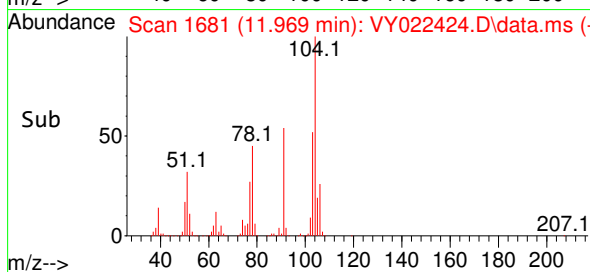
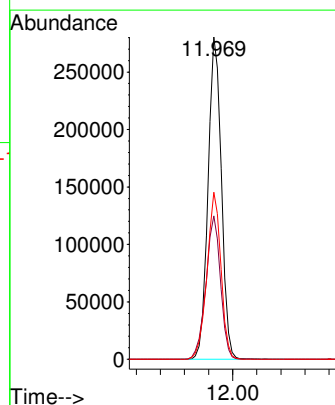
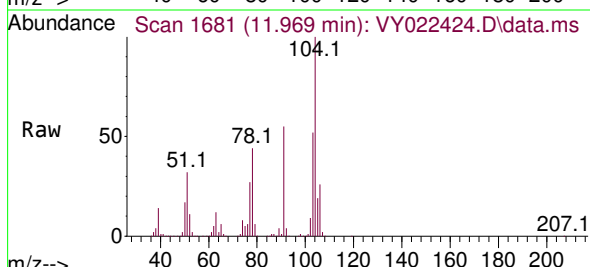
Manual Integrations
APPROVED

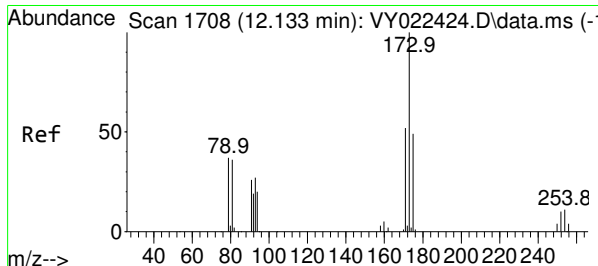
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#70
Styrene
Concen: 50.969 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:104 Resp: 430304
Ion Ratio Lower Upper
104 100
78 48.5 38.8 58.2
103 54.3 43.4 65.2





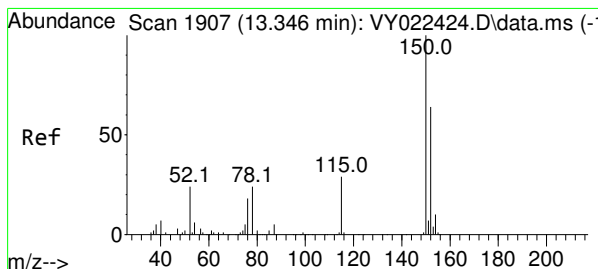
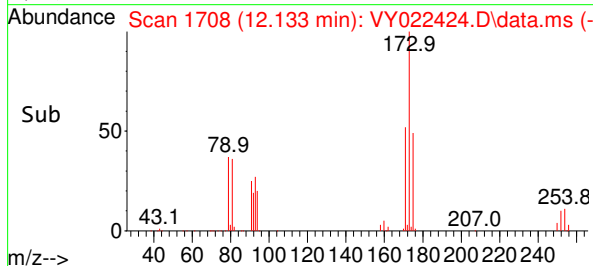
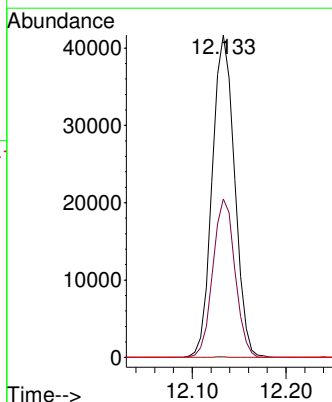
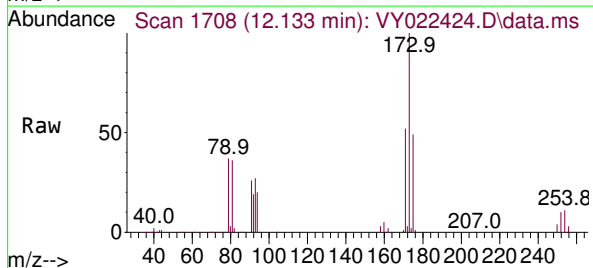
#71
Bromoform
Concen: 50.626 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1

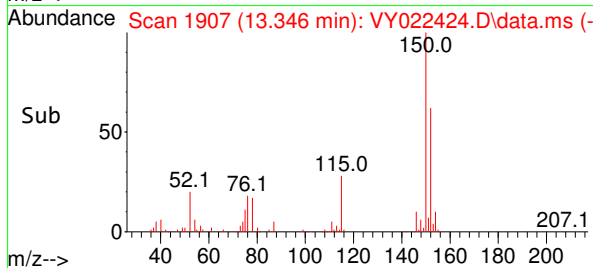
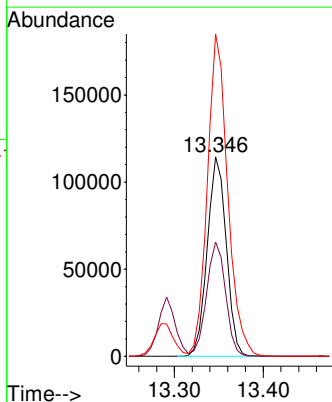
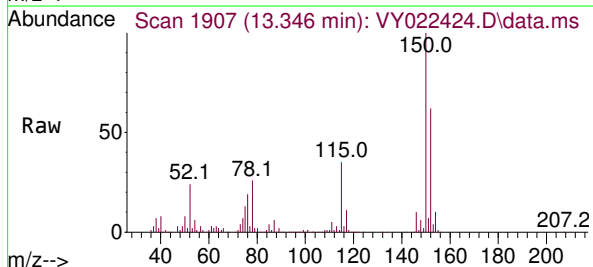
Manual Integrations
APPROVED

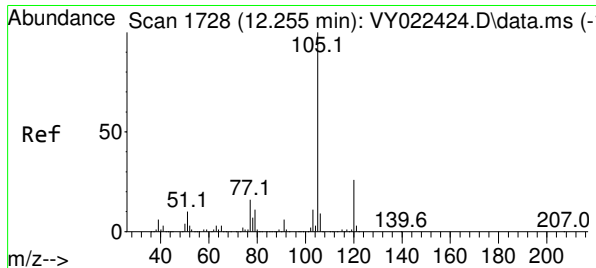
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.4	85.3
150	172.9	0.0	345.8





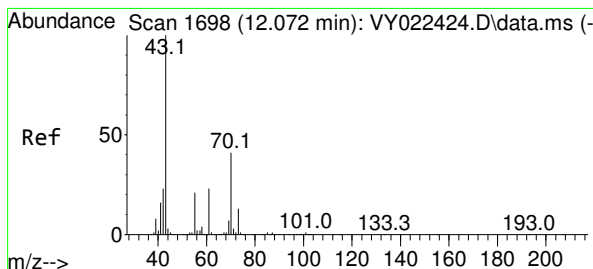
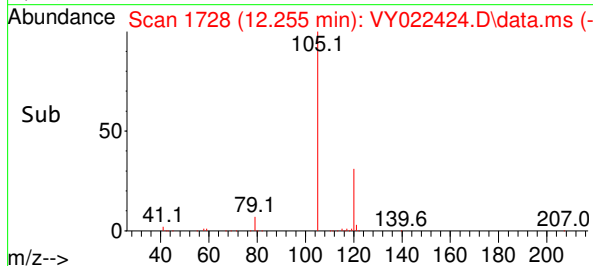
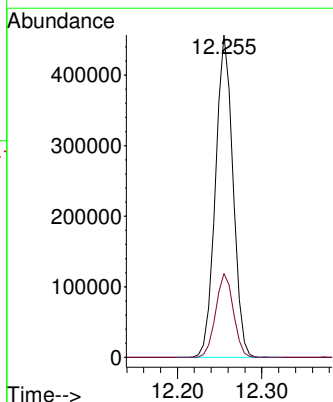
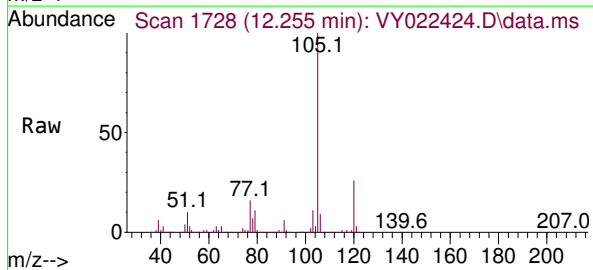
#73
Isopropylbenzene
Concen: 49.183 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 66024
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

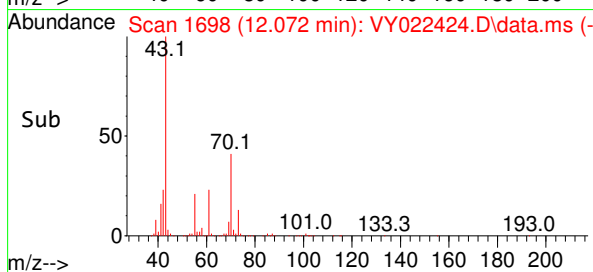
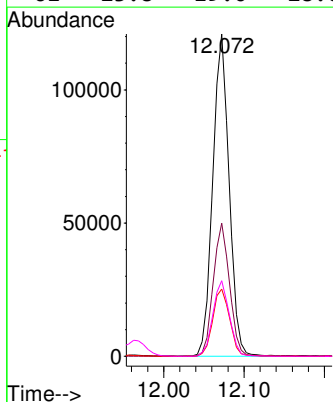
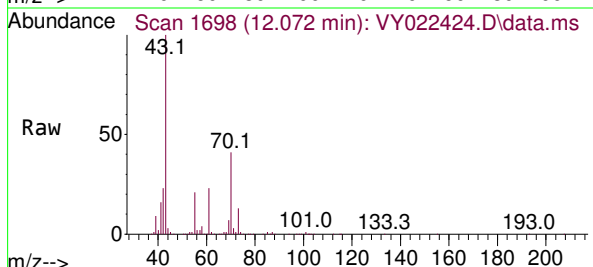
Manual Integrations
APPROVED

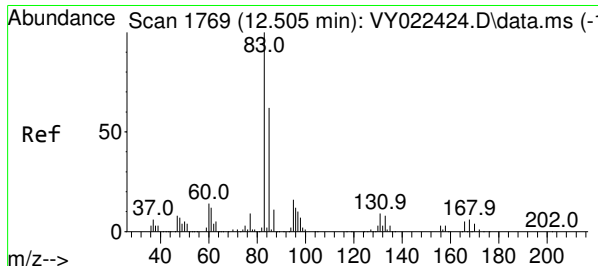
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#74
N-ethyl acetate
Concen: 51.919 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 43 Resp: 170547
Ion Ratio Lower Upper
43 100
70 41.2 33.0 49.4
55 21.9 17.5 26.3
61 23.8 19.0 28.6





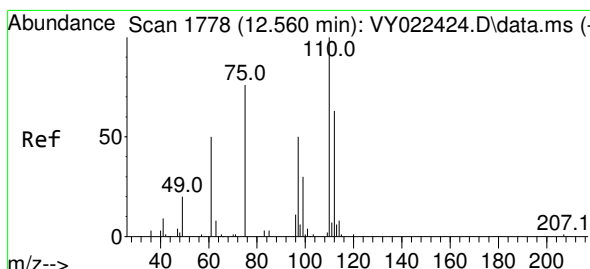
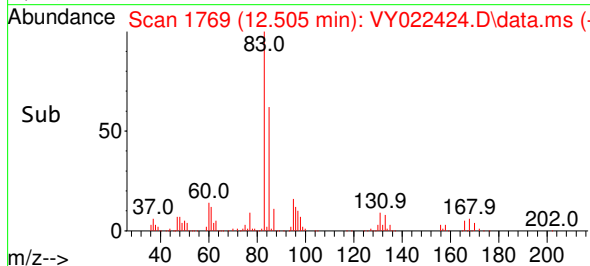
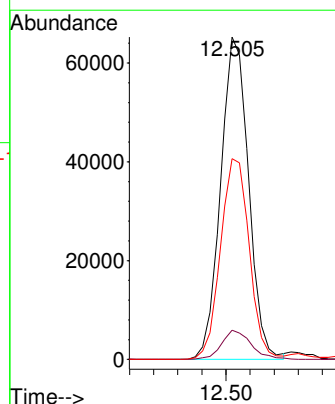
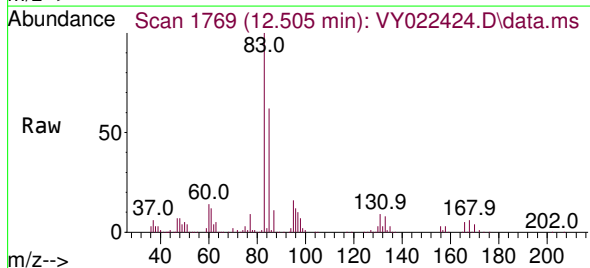
#75
1,1,2,2-Tetrachloroethane
Concen: 49.575 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.1	32.0	96.2

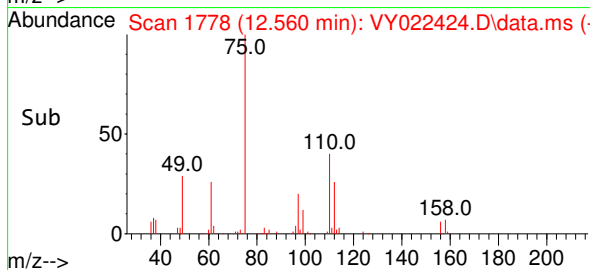
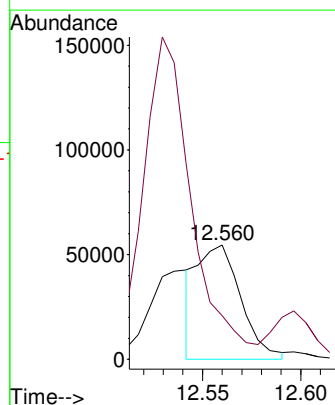
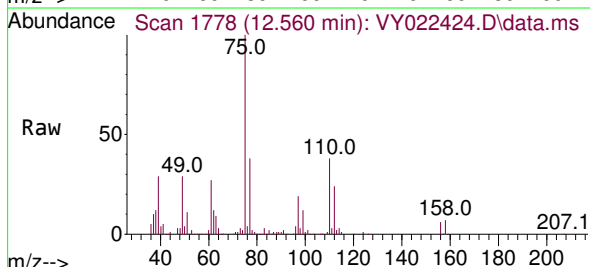
Manual Integrations
APPROVED

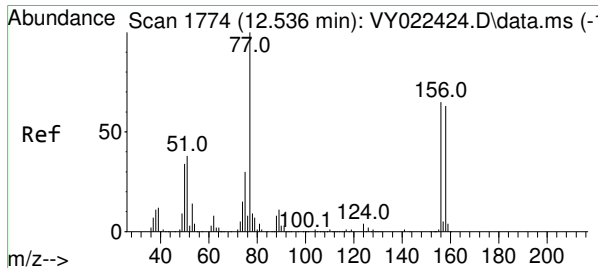
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#76
1,2,3-Trichloropropane
Concen: 29.820 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





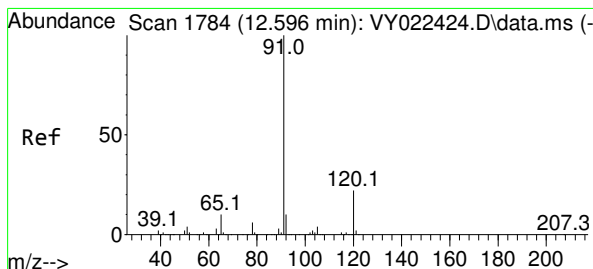
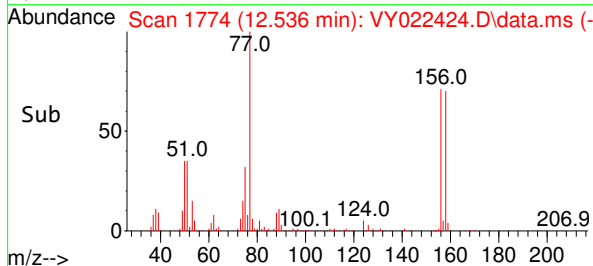
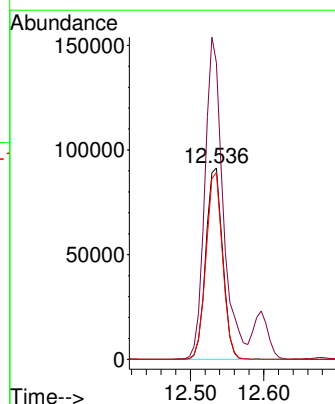
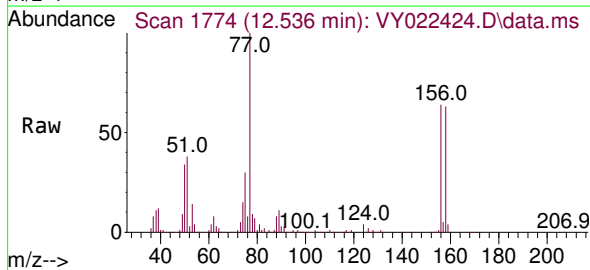
#77
Bromobenzene
Concen: 50.230 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	182.8	91.4	274.2
158	96.2	48.1	144.3

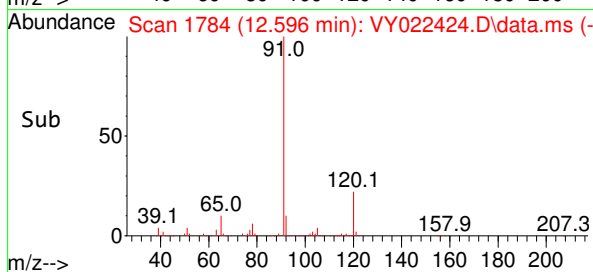
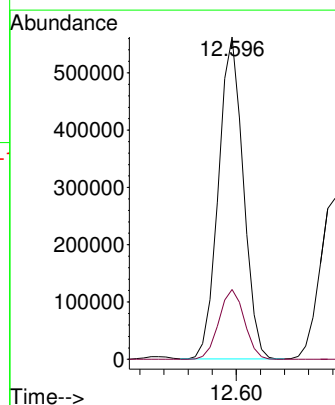
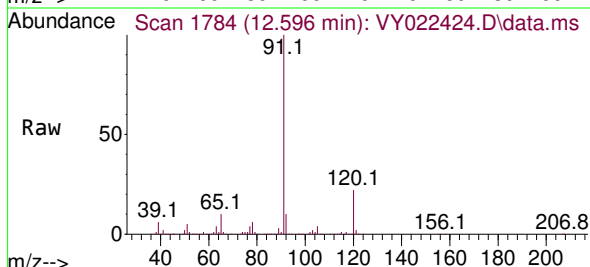
Manual Integrations
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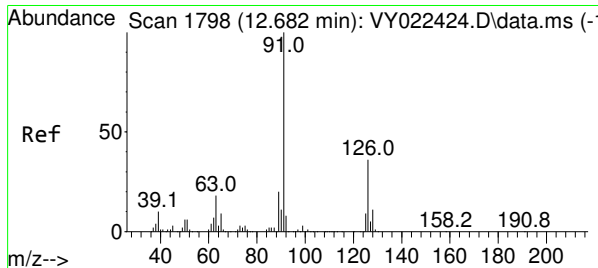
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#78
n-propylbenzene
Concen: 49.859 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





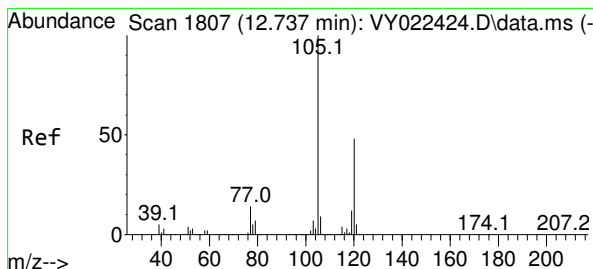
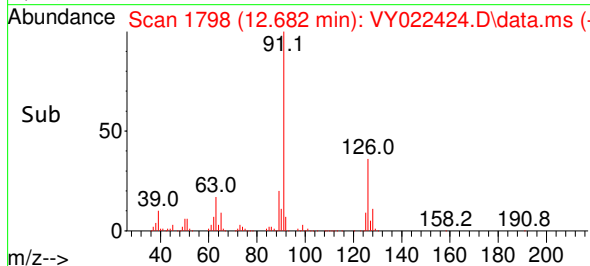
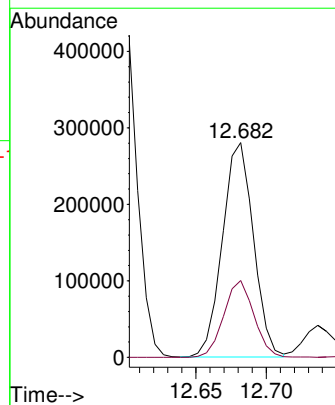
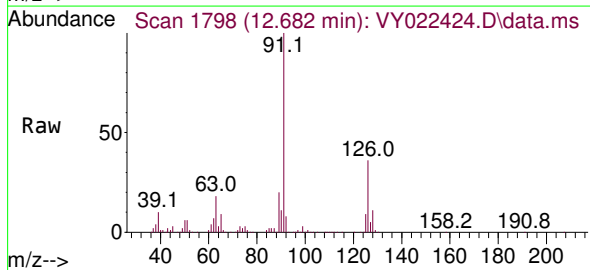
#79
2-Chlorotoluene
Concen: 49.254 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 42953
Ion Ratio Lower Upper
91 100
126 34.9 17.4 52.3

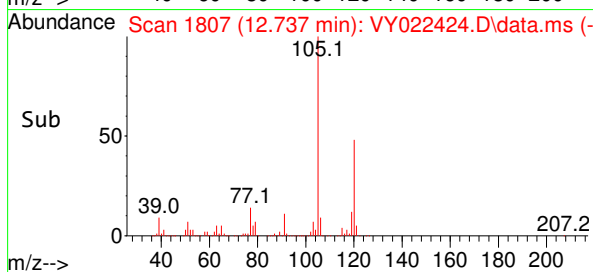
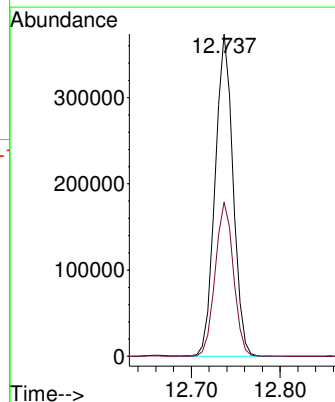
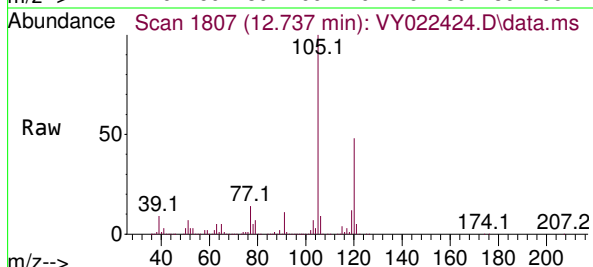
Manual Integrations
APPROVED

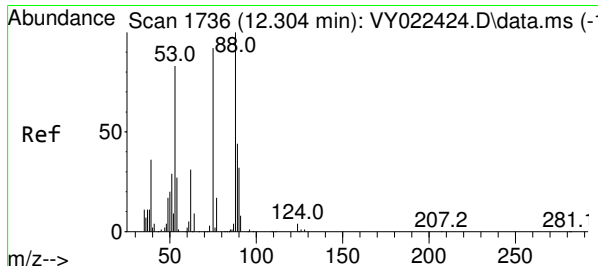
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 50.070 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:105 Resp: 525186
Ion Ratio Lower Upper
105 100
120 48.7 24.3 73.0





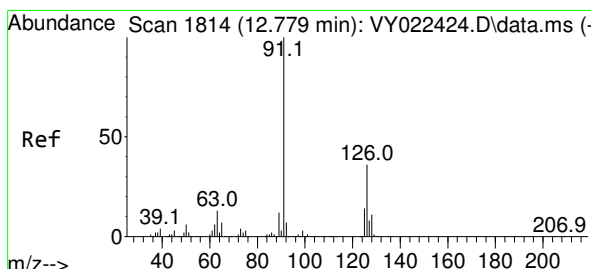
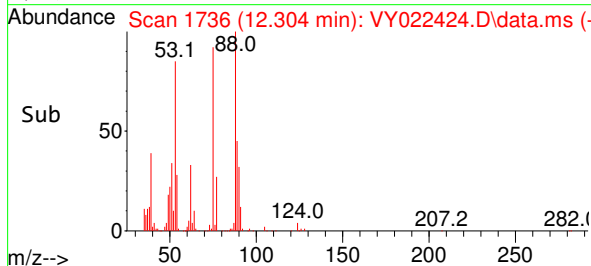
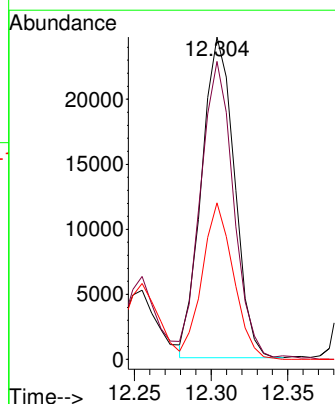
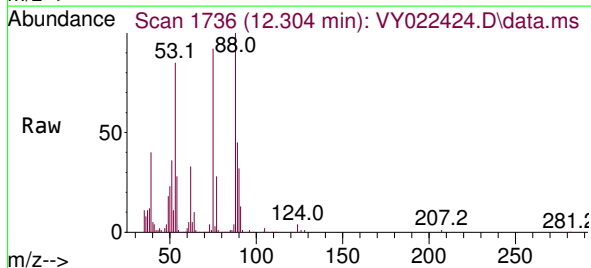
#81
trans-1,4-Dichloro-2-butene
Concen: 48.597 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 3671
Ion Ratio Lower Upper
75 100
53 93.9 75.1 112.7
89 46.7 37.4 56.6

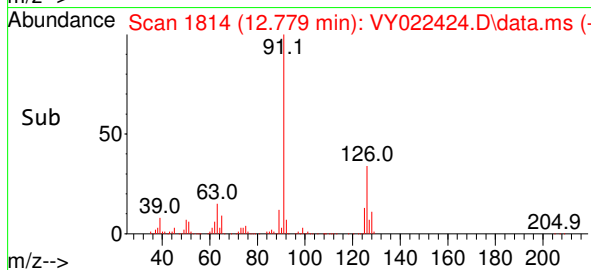
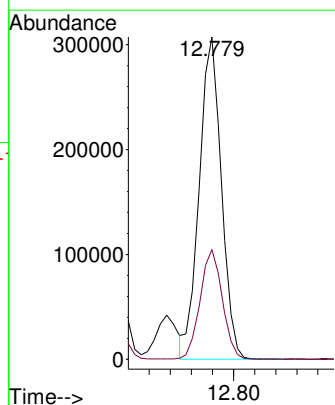
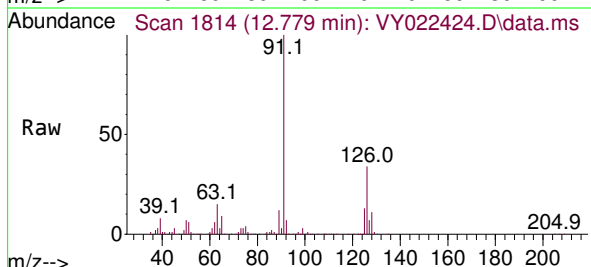
Manual Integrations
APPROVED

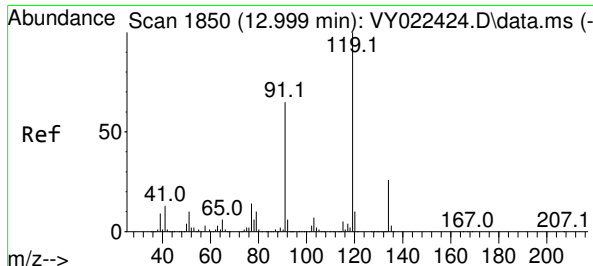
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#82
4-Chlorotoluene
Concen: 49.734 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 91 Resp: 446697
Ion Ratio Lower Upper
91 100
126 34.4 17.2 51.6



#83
tert-Butylbenzene

Concen: 49.598 ug/l

RT: 12.999 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022424.D

Acq: 27 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 47002

Ion Ratio Lower Upper

119 100

91 63.5 31.8 95.3

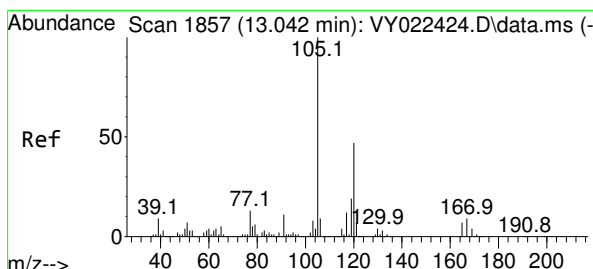
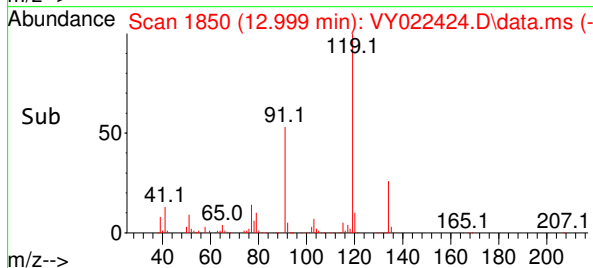
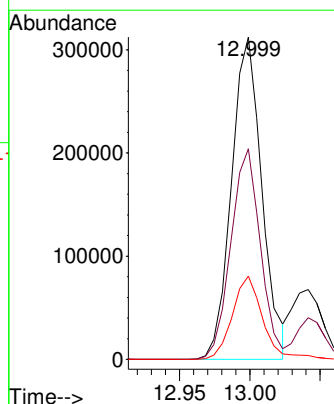
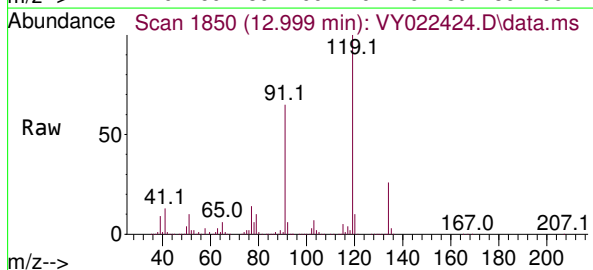
134 25.9 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 50.324 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022424.D

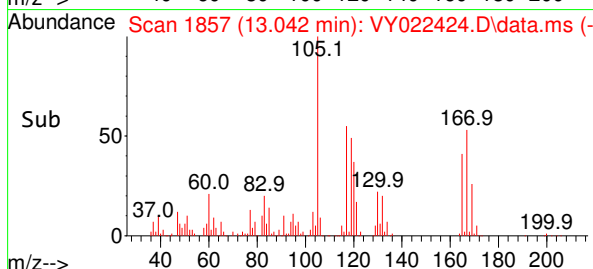
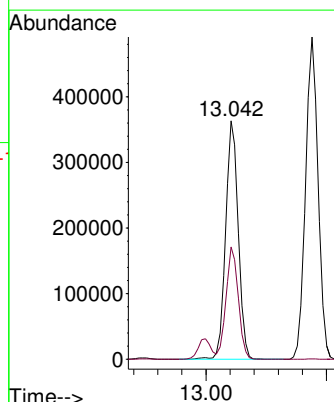
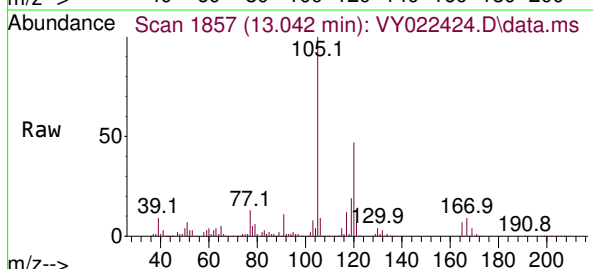
Acq: 27 May 2025 09:59

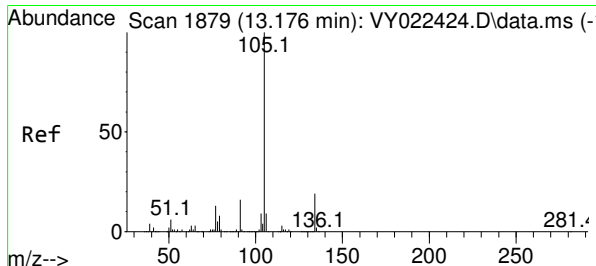
Tgt Ion:105 Resp: 531189

Ion Ratio Lower Upper

105 100

120 45.7 22.9 68.5





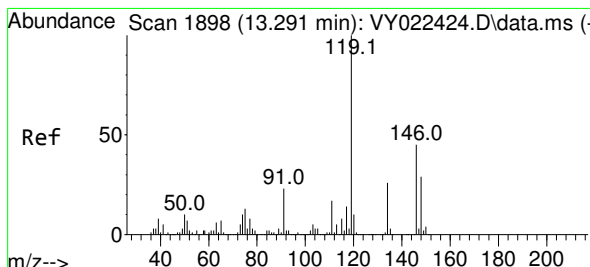
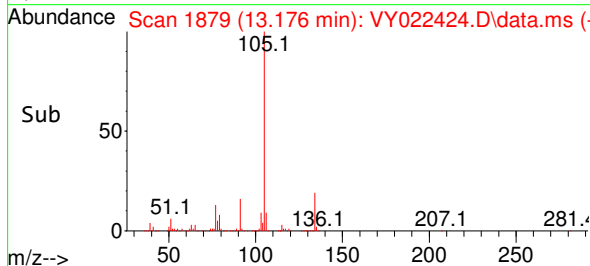
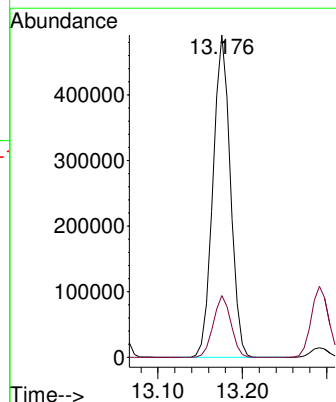
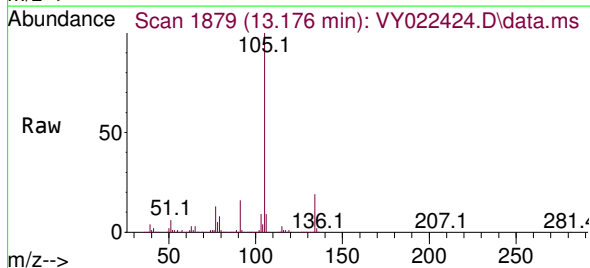
#85
sec-Butylbenzene
Concen: 50.266 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 70645
Ion Ratio Lower Upper
105 100
134 19.4 9.7 29.1

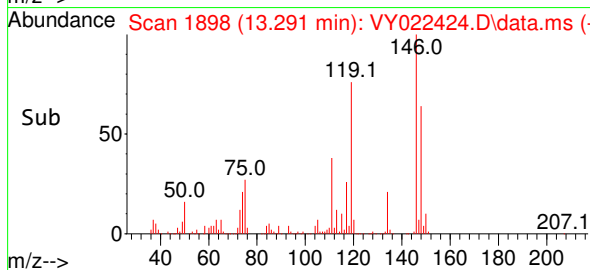
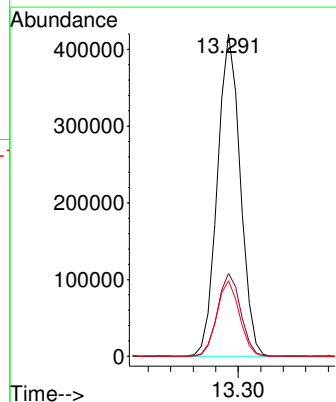
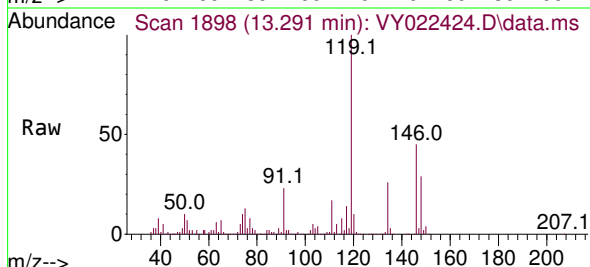
Manual Integrations
APPROVED

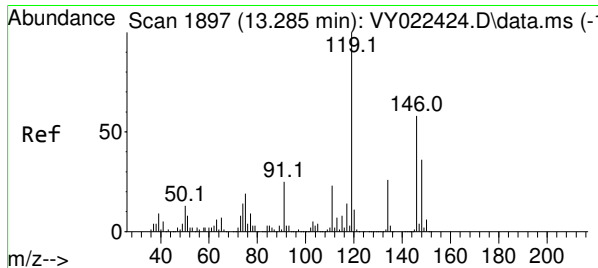
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#86
p-Isopropyltoluene
Concen: 50.450 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:119 Resp: 592083
Ion Ratio Lower Upper
119 100
134 26.0 13.0 39.0
91 23.2 11.6 34.8





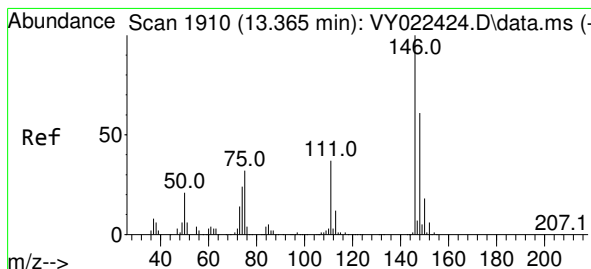
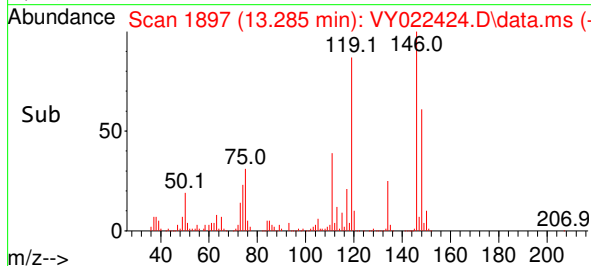
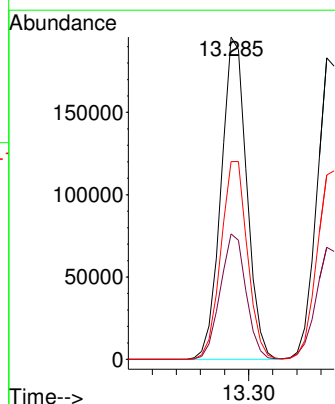
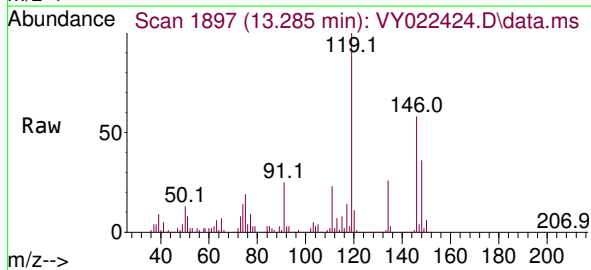
#87
1,3-Dichlorobenzene
Concen: 49.731 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	63.4	31.7	95.1

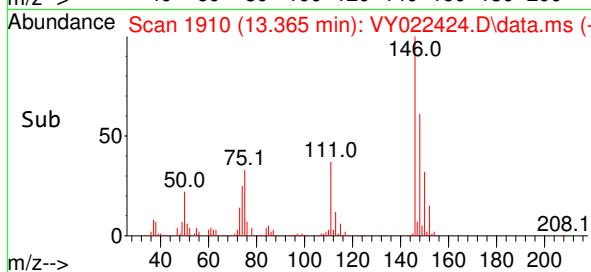
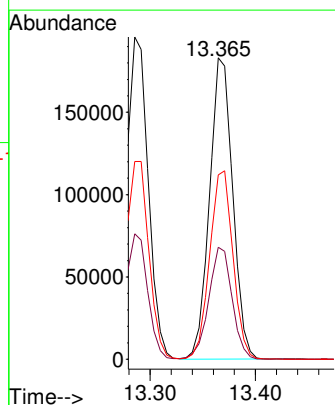
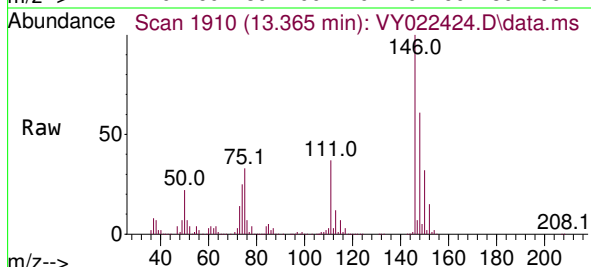
Manual Integrations
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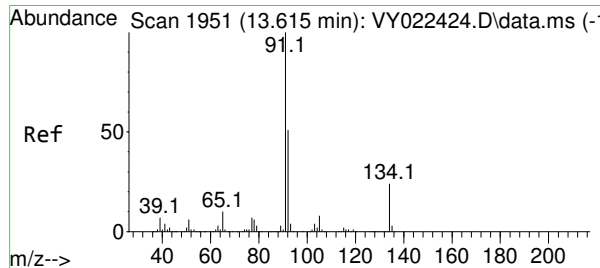
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#88
1,4-Dichlorobenzene
Concen: 50.380 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	62.9	31.4	94.3





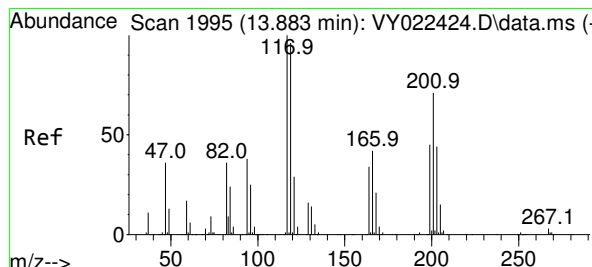
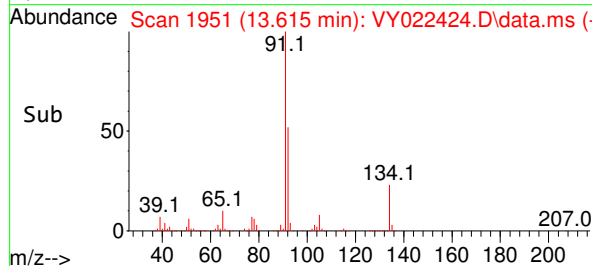
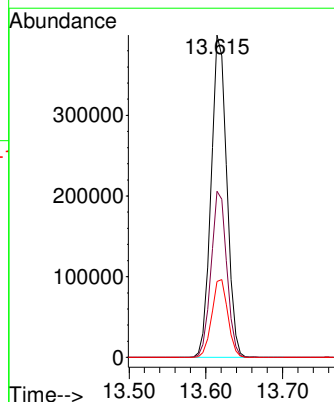
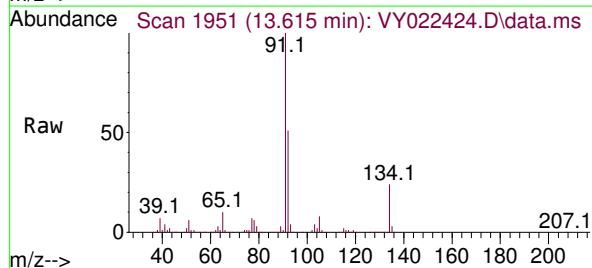
#89
n-Butylbenzene
Concen: 51.626 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument : MSVOA_Y
ClientSampleId : VSTDICCC050

Tgt Ion: 91 Resp: 56808
Ion Ratio Lower Upper
91 100
92 51.7 25.9 77.6
134 24.7 12.4 37.6

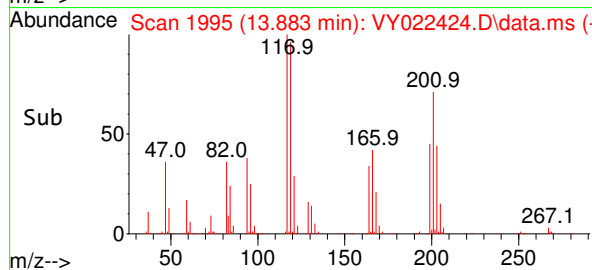
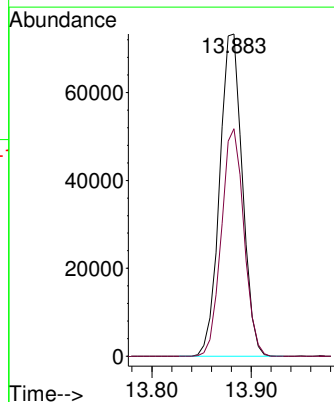
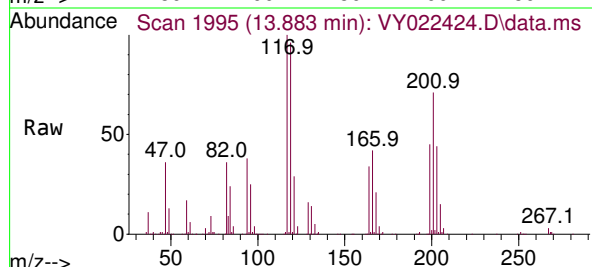
Manual Integrations
APPROVED

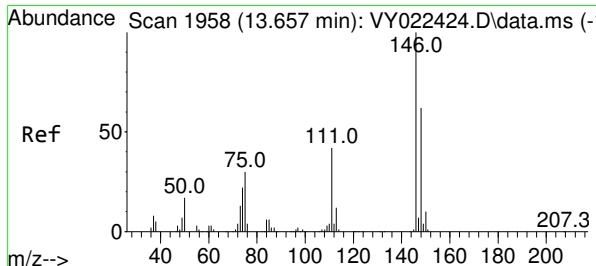
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#90
Hexachloroethane
Concen: 50.287 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:117 Resp: 117444
Ion Ratio Lower Upper
117 100
201 70.0 35.0 105.0





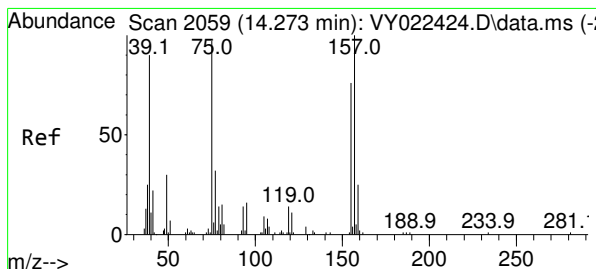
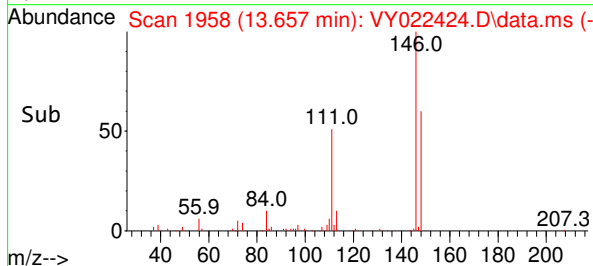
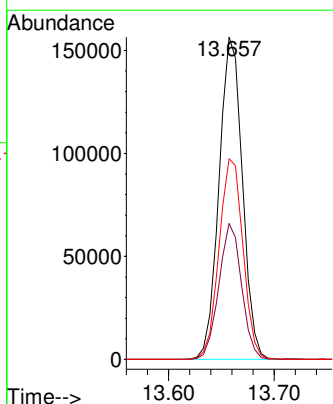
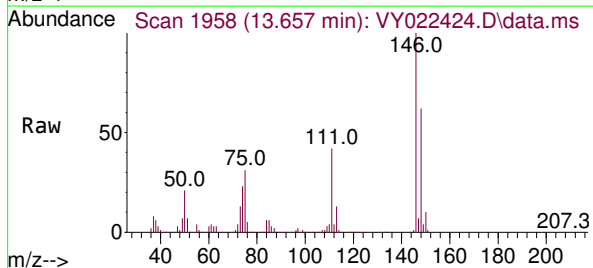
#91
1,2-Dichlorobenzene
Concen: 49.756 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 146 Resp: 24156
Ion Ratio Lower Upper
146 100
111 41.1 20.5 61.6
148 63.9 31.9 95.9

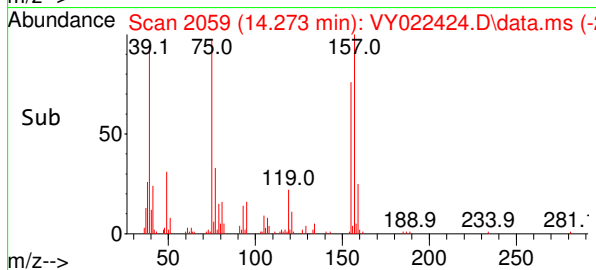
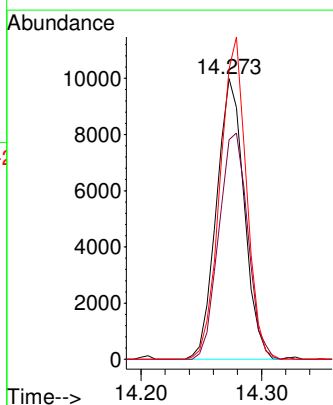
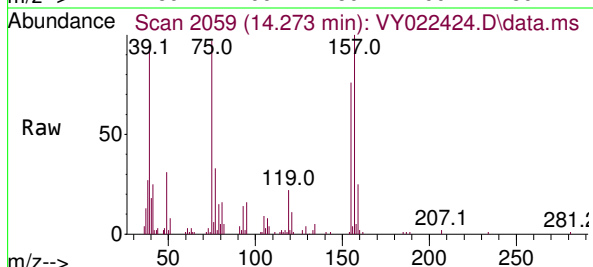
Manual Integrations
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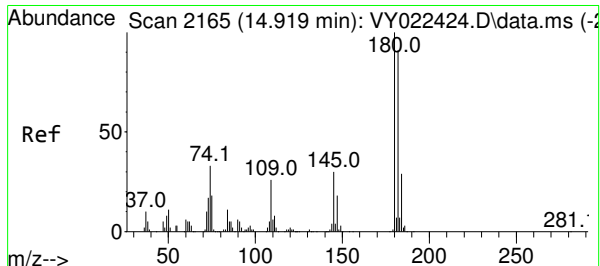
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.741 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 75 Resp: 15930
Ion Ratio Lower Upper
75 100
155 84.5 42.3 126.8
157 108.9 54.4 163.3





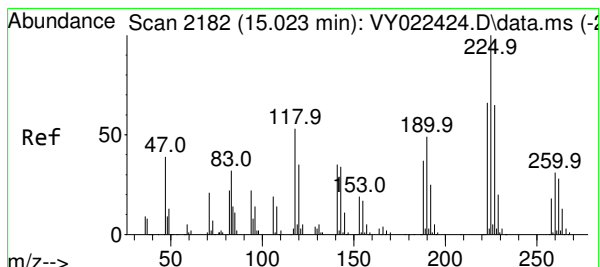
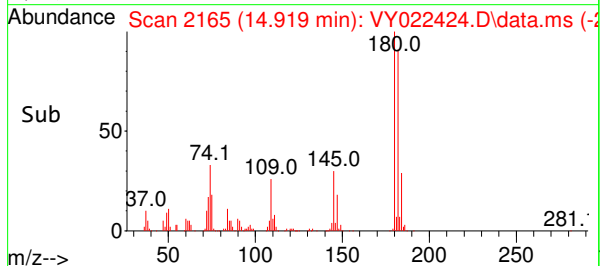
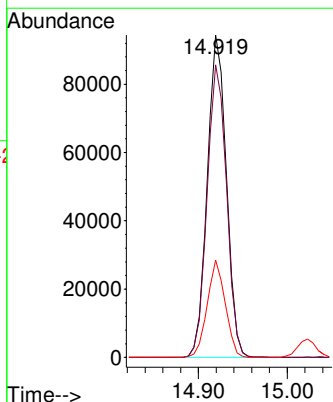
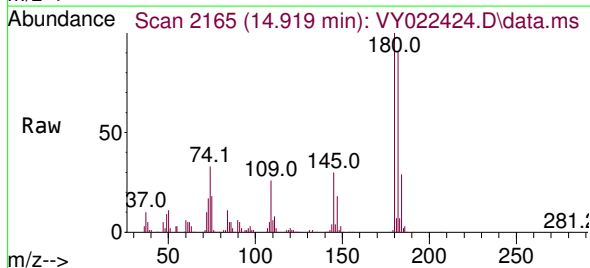
#93
1,2,4-Trichlorobenzene
Concen: 52.462 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	46.2	138.6
145	28.5	14.2	42.8

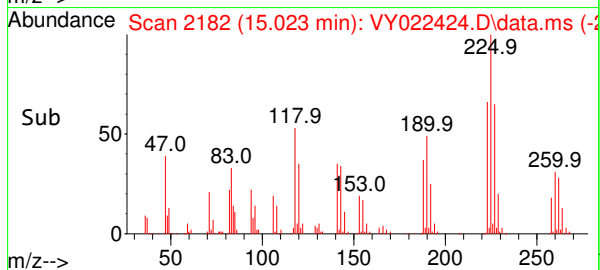
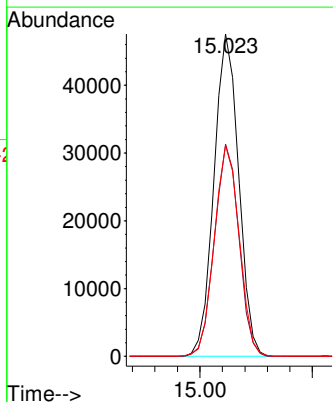
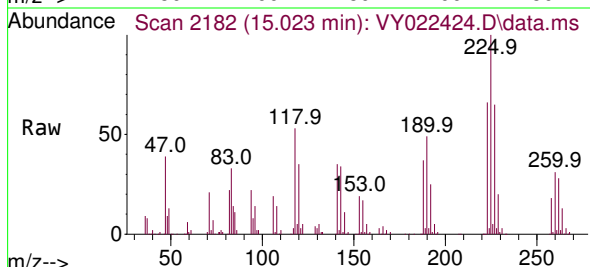
Manual Integrations
APPROVED

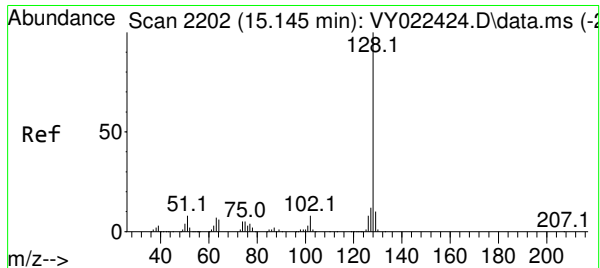
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#94
Hexachlorobutadiene
Concen: 51.250 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.6	97.7
227	66.0	33.0	99.0



#95
Naphthalene

Concen: 53.269 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY022424.D

Acq: 27 May 2025 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:128 Resp: 26505

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

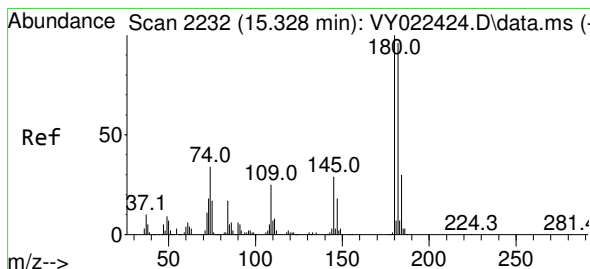
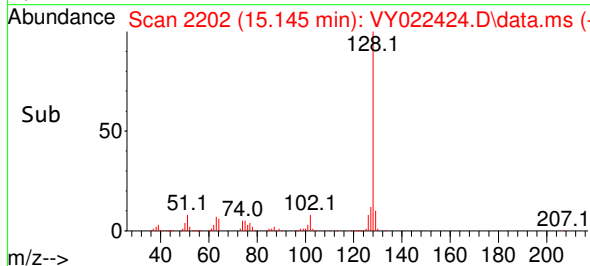
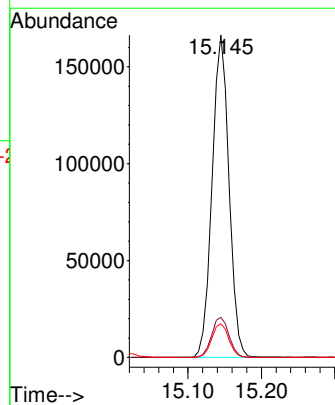
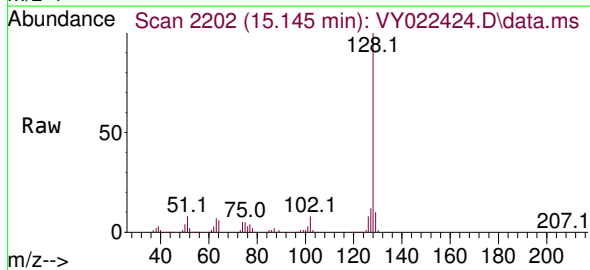
129 10.6 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 52.826 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022424.D

Acq: 27 May 2025 09:59

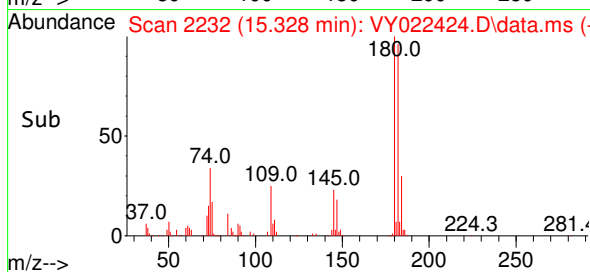
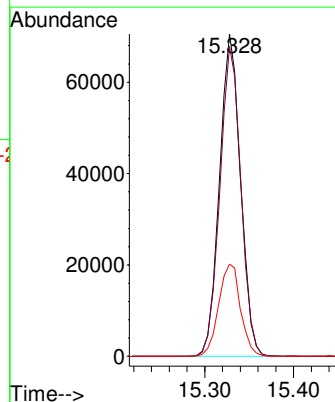
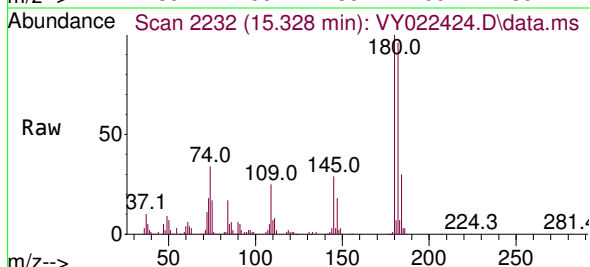
Tgt Ion:180 Resp: 116609

Ion Ratio Lower Upper

180 100

182 96.2 48.1 144.3

145 29.7 14.9 44.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022425.D
 Acq On : 27 May 2025 10:22
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:00:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	254497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	420045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	364148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	175436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	275425	102.746	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 205.500%#			
35) Dibromofluoromethane	7.640	113	259880	105.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 211.300%#			
50) Toluene-d8	10.109	98	1070243	106.726	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 213.460%#			
62) 4-Bromofluorobenzene	12.408	95	321108	105.861	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 211.720%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	219107	90.239	ug/l	99
3) Chloromethane	2.074	50	476625	79.803	ug/l	99
4) Vinyl Chloride	2.208	62	657774	90.657	ug/l	97
5) Bromomethane	2.592	94	617342	93.629	ug/l	98
6) Chloroethane	2.739	64	461685	97.376	ug/l	100
7) Trichlorofluoromethane	3.056	101	604374	98.726	ug/l	99
8) Diethyl Ether	3.458	74	144974	102.707	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	266284	99.149	ug/l	99
10) Methyl Iodide	4.007	142	338872	111.841	ug/l	100
11) Tert butyl alcohol	4.872	59	96979	513.234	ug/l	99
12) 1,1-Dichloroethene	3.793	96	264638	99.249	ug/l	98
13) Acrolein	3.659	56	149071	526.536	ug/l	100
14) Allyl chloride	4.391	41	407614	101.625	ug/l	98
15) Acrylonitrile	5.068	53	299369	526.172	ug/l	99
16) Acetone	3.879	43	219178	497.574	ug/l #	88
17) Carbon Disulfide	4.110	76	851273	100.043	ug/l	100
18) Methyl Acetate	4.391	43	178729	108.317	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	735411	103.886	ug/l	99
20) Methylene Chloride	4.623	84	279934	89.995	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	296339	101.801	ug/l	97
22) Diisopropyl ether	6.025	45	906611	102.415	ug/l	99
23) Vinyl Acetate	5.964	43	2634055	518.224	ug/l	99
24) 1,1-Dichloroethane	5.921	63	540724	103.372	ug/l	99
25) 2-Butanone	6.903	43	386768	527.215	ug/l	100
26) 2,2-Dichloropropane	6.890	77	482308	101.829	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	348023	103.273	ug/l	99
28) Bromochloromethane	7.250	49	223498	102.322	ug/l	99
29) Tetrahydrofuran	7.268	42	254076	519.309	ug/l	99
30) Chloroform	7.427	83	535360	103.866	ug/l	99
31) Cyclohexane	7.707	56	481828	93.445	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	484647	103.605	ug/l	99
36) 1,1-Dichloropropene	7.841	75	405555	103.896	ug/l	99
37) Ethyl Acetate	6.988	43	174471	105.171	ug/l	99
38) Carbon Tetrachloride	7.823	117	428817	105.456	ug/l	99
39) Methylcyclohexane	9.110	83	536153	103.329	ug/l	98
40) Benzene	8.085	78	1229435	105.848	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022425.D
 Acq On : 27 May 2025 10:22
 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 :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:00:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M

Quant Title : SW846 8260

QLast Update : Wed May 28 09:30:53 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	107407	49.194	ug/l	94
42) 1,2-Dichloroethane	8.165	62	321758	104.887	ug/l	99
43) Isopropyl Acetate	8.201	43	385296	106.287	ug/l	100
44) Trichloroethene	8.866	130	300293	104.583	ug/l	97
45) 1,2-Dichloropropane	9.146	63	286982	105.160	ug/l	98
46) Dibromomethane	9.231	93	160779	105.464	ug/l	99
47) Bromodichloromethane	9.427	83	413821	105.558	ug/l	96
48) Methyl methacrylate	9.225	41	181931	108.116	ug/l	100
49) 1,4-Dioxane	9.231	88	36343	2158.331	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	995669	556.674	ug/l	99
52) Toluene	10.176	92	780350	107.563	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	396365	108.544	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	460876	107.411	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	204326	106.007	ug/l	97
56) Ethyl methacrylate	10.439	69	306772	110.908	ug/l	98
57) 1,3-Dichloropropane	10.719	76	359684	105.893	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	770988	559.284	ug/l	100
59) 2-Hexanone	10.762	43	660980	563.900	ug/l	98
60) Dibromochloromethane	10.914	129	268919	109.221	ug/l	99
61) 1,2-Dibromoethane	11.018	107	187723	106.485	ug/l	98
64) Tetrachloroethene	10.652	164	312696	100.828	ug/l	98
65) Chlorobenzene	11.444	112	824685	106.209	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	285811	108.640	ug/l	99
67) Ethyl Benzene	11.524	91	1560112	108.210	ug/l	98
68) m/p-Xylenes	11.633	106	1201541	219.811	ug/l	99
69) o-Xylene	11.957	106	559553	108.917	ug/l	100
70) Styrene	11.969	104	959318	112.144	ug/l	99
71) Bromoform	12.133	173	149684	108.623	ug/l #	100
73) Isopropylbenzene	12.255	105	1440314	104.314	ug/l	100
74) N-amyl acetate	12.072	43	368563	109.087	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	228832	105.191	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	178010m	61.586	ug/l	
77) Bromobenzene	12.536	156	305847	102.933	ug/l	97
78) n-propylbenzene	12.597	91	1737515	104.859	ug/l	100
79) 2-Chlorotoluene	12.682	91	934717	104.209	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1143145	105.961	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	80556	103.668	ug/l	99
82) 4-Chlorotoluene	12.780	91	972892	105.314	ug/l	100
83) tert-Butylbenzene	12.999	119	1023704	105.025	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1159943	106.843	ug/l	99
85) sec-Butylbenzene	13.176	105	1528524	105.741	ug/l	99
86) p-Isopropyltoluene	13.292	119	1320591	109.402	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	644184	107.749	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	599095	104.800	ug/l	99
89) n-Butylbenzene	13.621	91	1207976	106.731	ug/l	99
90) Hexachloroethane	13.883	117	251685	104.776	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	524498	105.034	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32714	97.318	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	295471	106.731	ug/l	98
94) Hexachlorobutadiene	15.023	225	153056	105.350	ug/l	98
95) Naphthalene	15.145	128	568187	111.021	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	246652	108.638	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022425.D
Acq On : 27 May 2025 10:22
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 :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:00:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

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

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

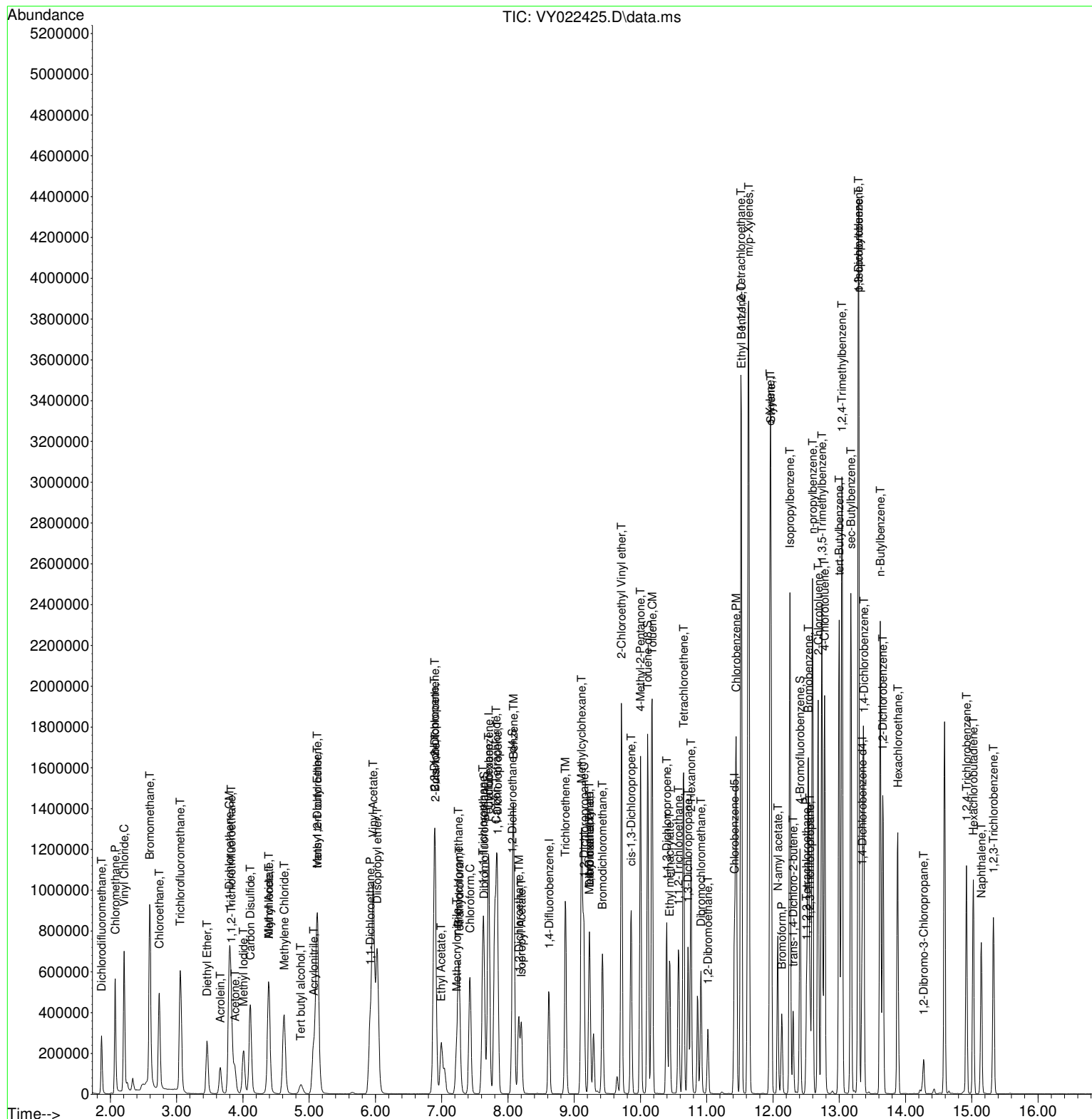
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\  
Data File : VY022425.D  
Acq On    : 27 May 2025  10:22  
Operator  : SY/MD  
Sample    : VSTDICC100  
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL  
ALS Vial  : 6      Sample Multiplier: 1
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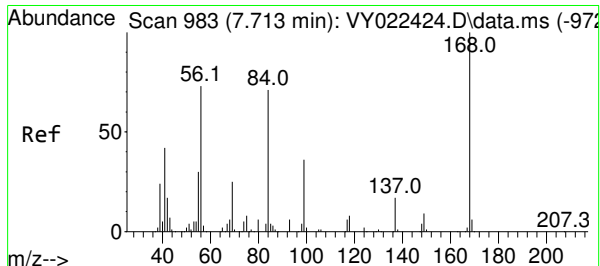
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:00:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration





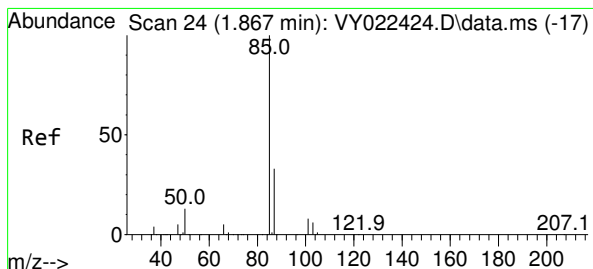
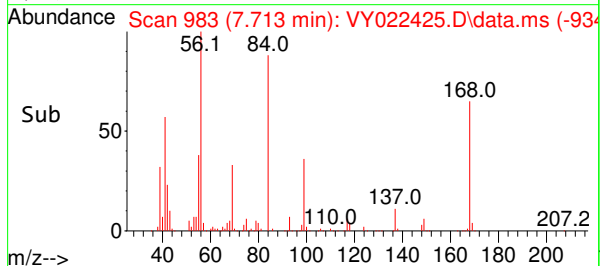
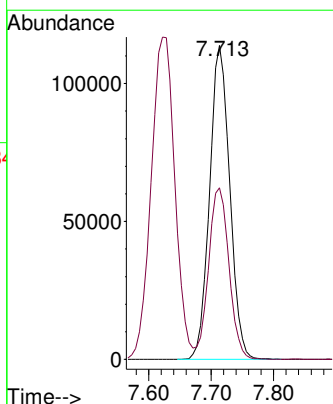
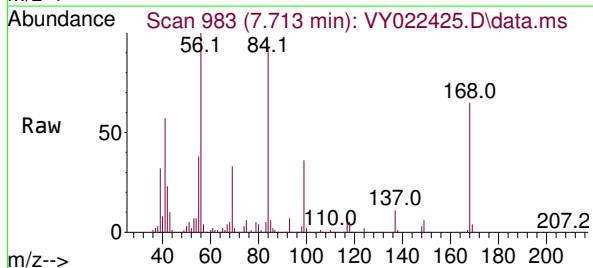
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 25449
Ion Ratio Lower Upper
168 100
99 54.7 44.7 67.1

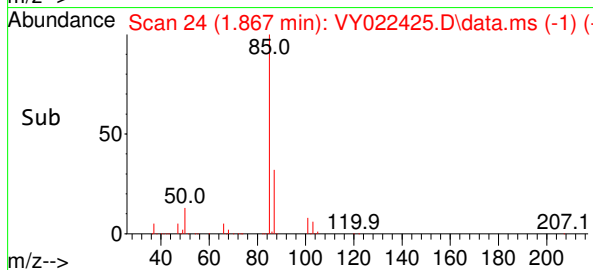
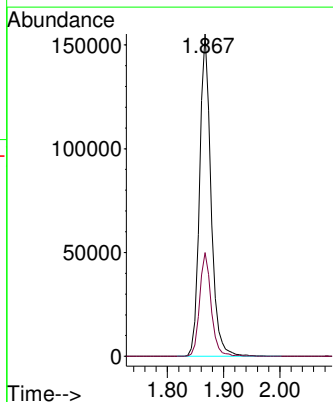
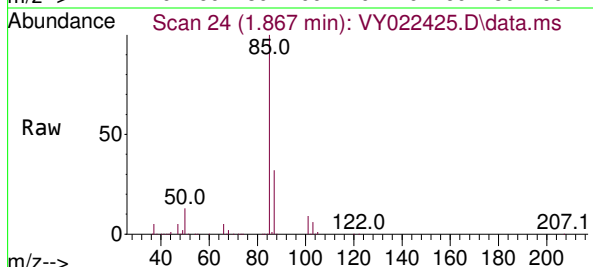
Manual Integrations
APPROVED

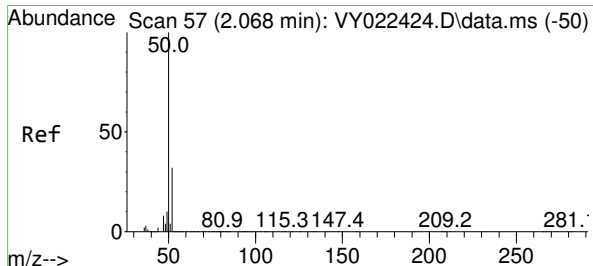
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#2
Dichlorodifluoromethane
Concen: 90.239 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 85 Resp: 219107
Ion Ratio Lower Upper
85 100
87 32.2 16.4 49.2





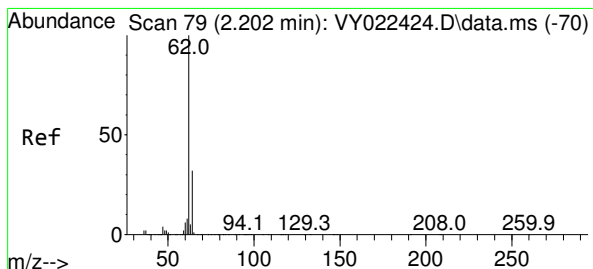
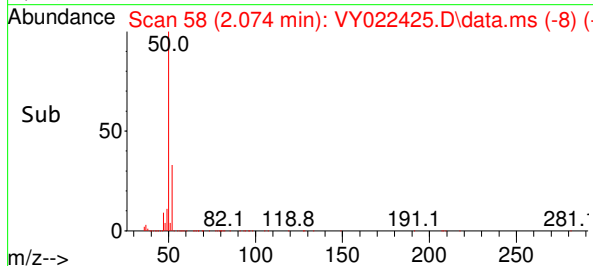
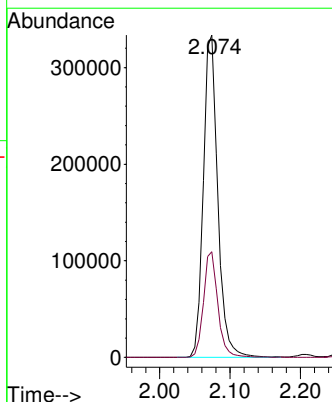
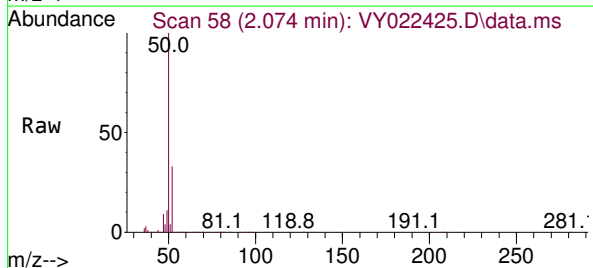
#3
Chloromethane
Concen: 79.803 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 47662
Ion Ratio Lower Upper
50 100
52 32.7 25.5 38.3

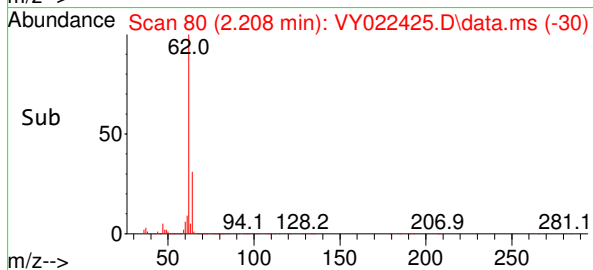
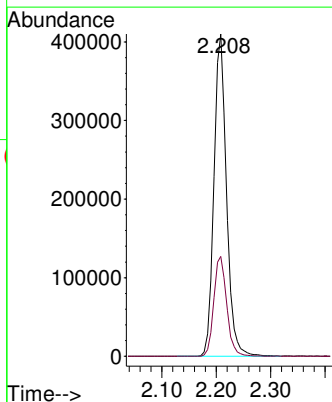
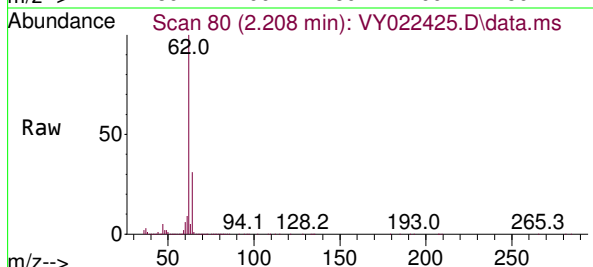
Manual Integrations
APPROVED

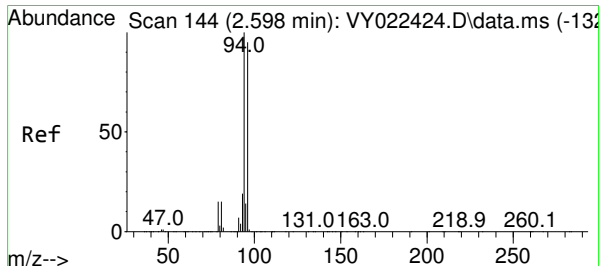
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#4
Vinyl Chloride
Concen: 90.657 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 62 Resp: 657774
Ion Ratio Lower Upper
62 100
64 31.0 26.0 39.0





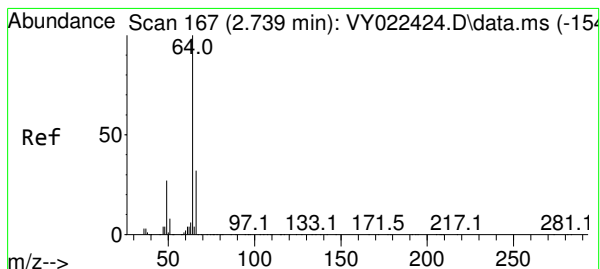
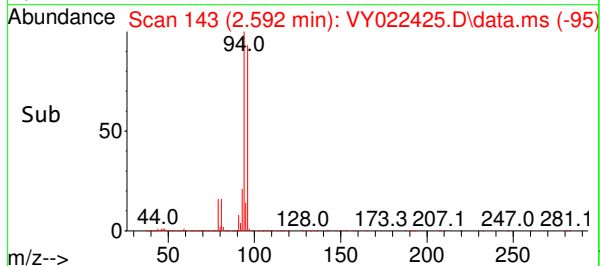
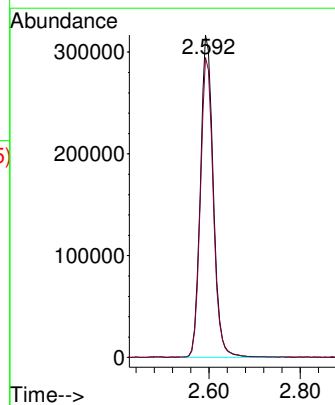
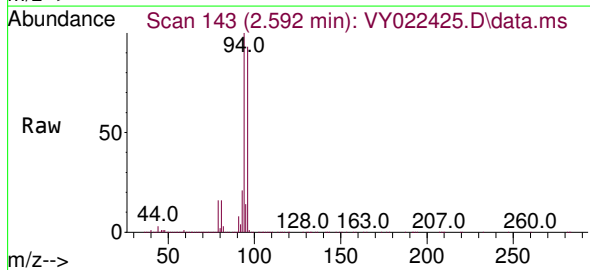
#5
Bromomethane
Concen: 93.629 ug/l
RT: 2.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 61734
Ion Ratio Lower Upper
94 100
96 93.0 76.0 114.0

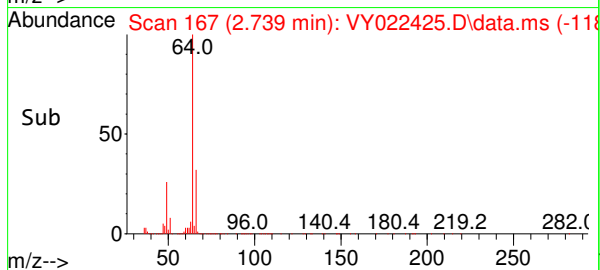
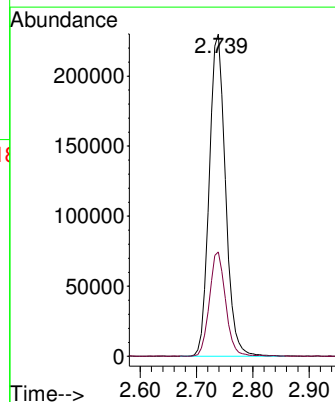
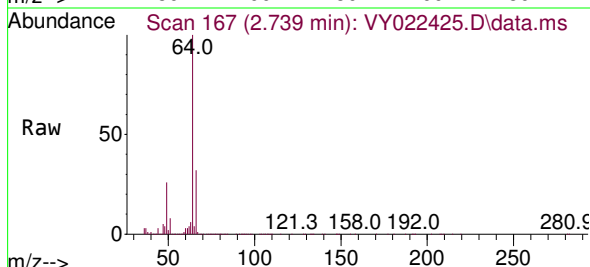
Manual Integrations
APPROVED

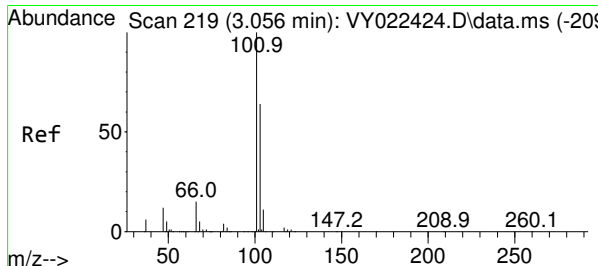
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#6
Chloroethane
Concen: 97.376 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 64 Resp: 461685
Ion Ratio Lower Upper
64 100
66 32.3 25.9 38.9





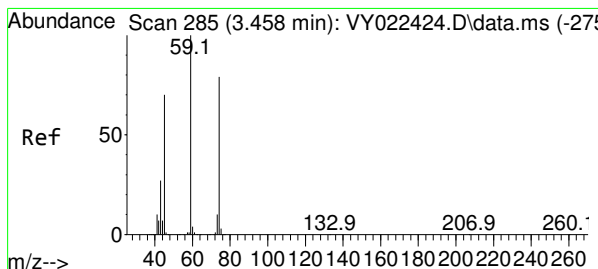
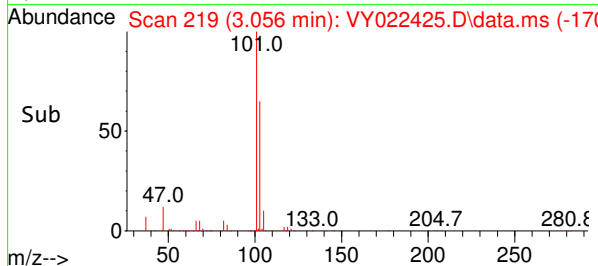
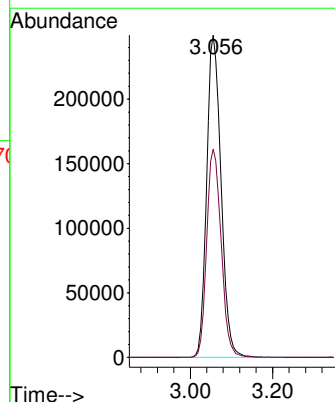
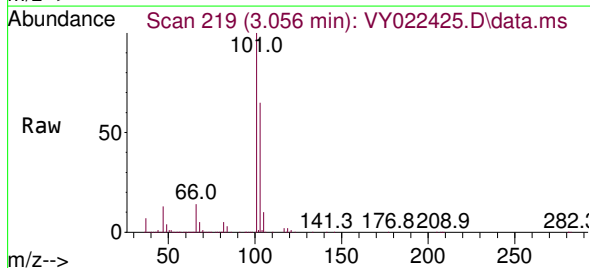
#7
Trichlorofluoromethane
Concen: 98.726 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 60437
Ion Ratio Lower Upper
101 100
103 64.6 50.9 76.3

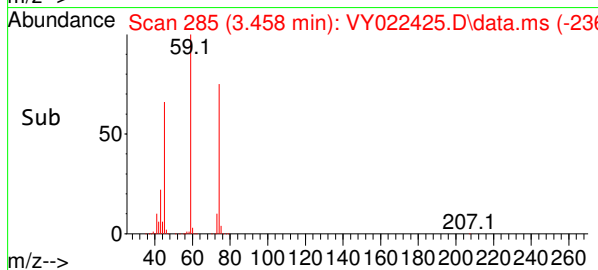
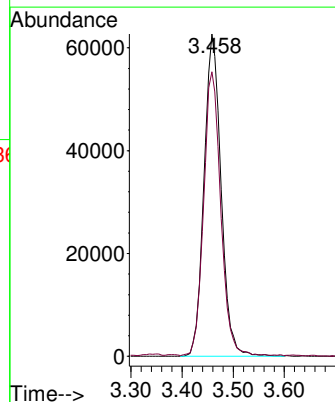
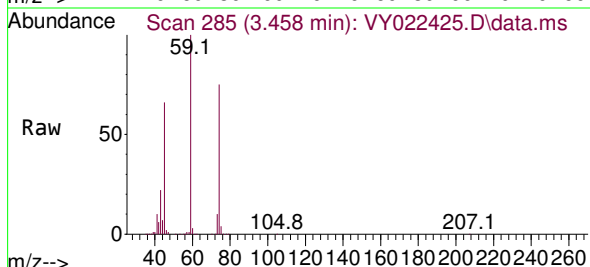
Manual Integrations
APPROVED

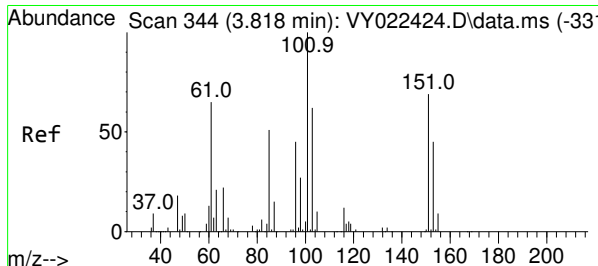
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#8
Diethyl Ether
Concen: 102.707 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 74 Resp: 144974
Ion Ratio Lower Upper
74 100
45 88.4 44.9 134.5





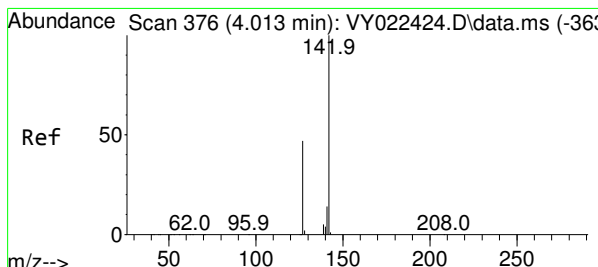
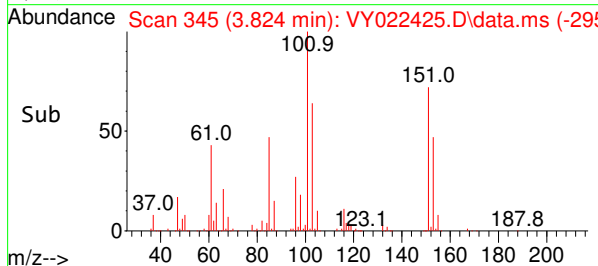
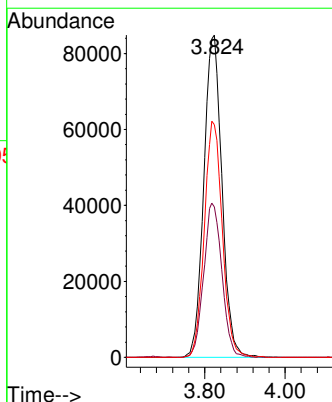
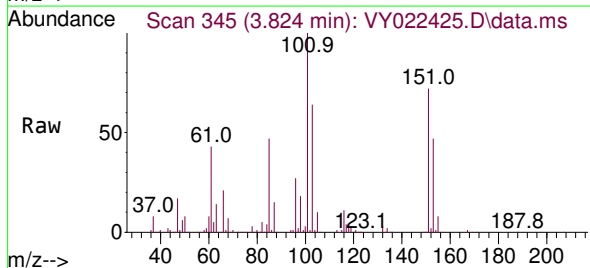
#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.149 ug/l
RT: 3.824 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 26628
Ion Ratio Lower Upper
101 100
85 48.1 39.2 58.8
151 72.8 58.8 88.2

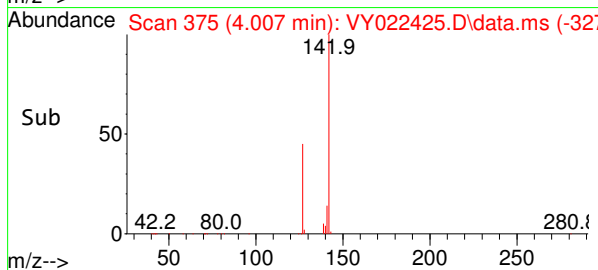
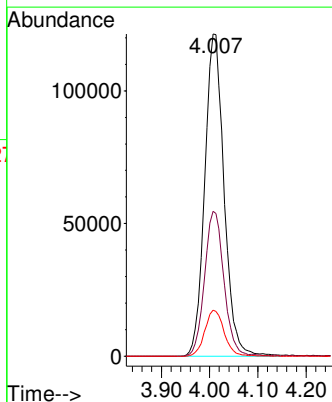
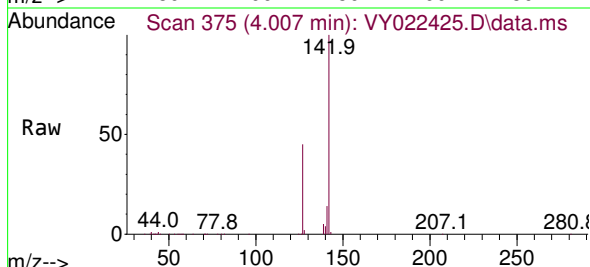
Manual Integrations
APPROVED

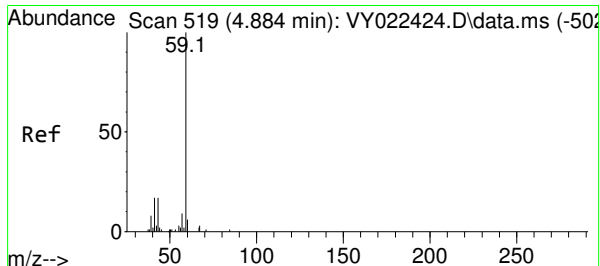
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#10
Methyl Iodide
Concen: 111.841 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:142 Resp: 338872
Ion Ratio Lower Upper
142 100
127 45.3 36.2 54.4
141 14.4 11.6 17.4





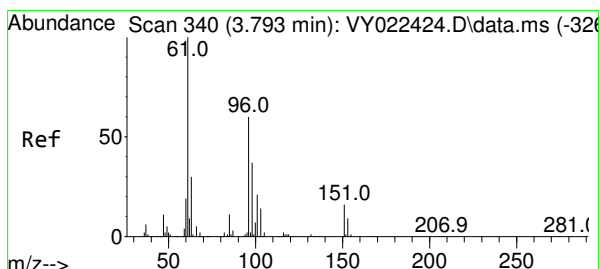
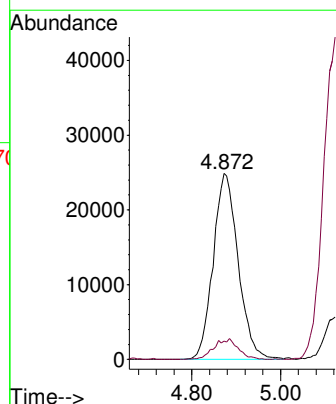
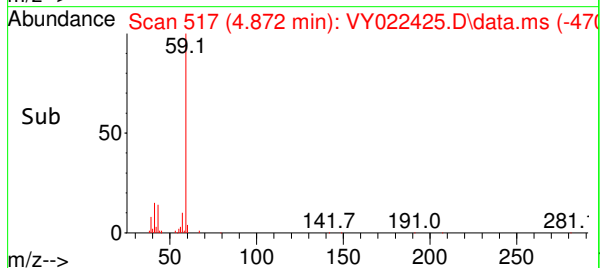
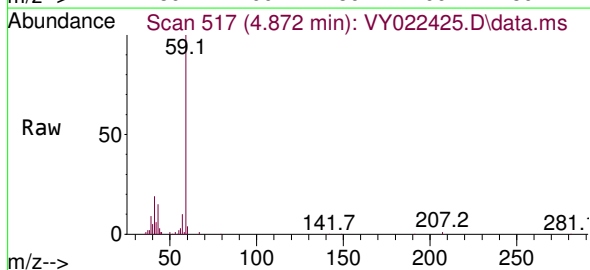
#11
Tert butyl alcohol
Concen: 513.234 ug/l
RT: 4.872 min Scan# 519
Delta R.T. -0.012 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 9697
Ion Ratio Lower Upper
59 100
57 10.8 9.1 13.7

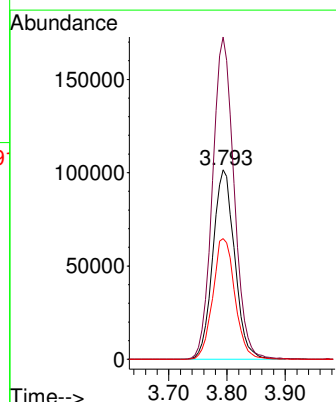
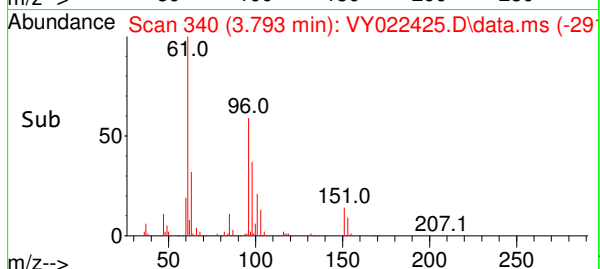
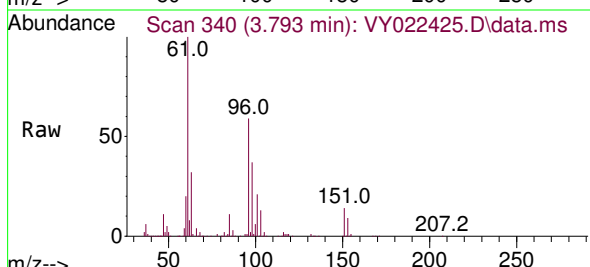
Manual Integrations
APPROVED

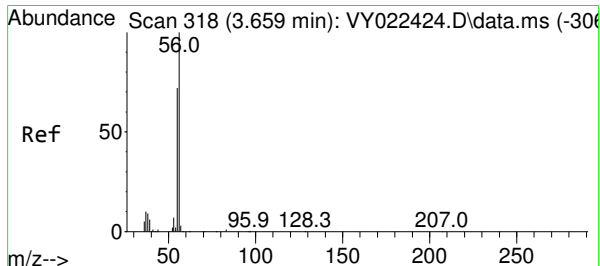
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#12
1,1-Dichloroethene
Concen: 99.249 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 96 Resp: 264638
Ion Ratio Lower Upper
96 100
61 170.1 134.1 201.1
98 63.8 50.2 75.2





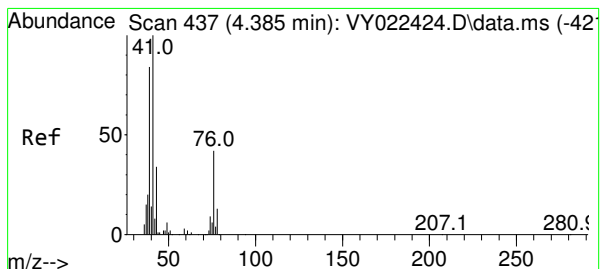
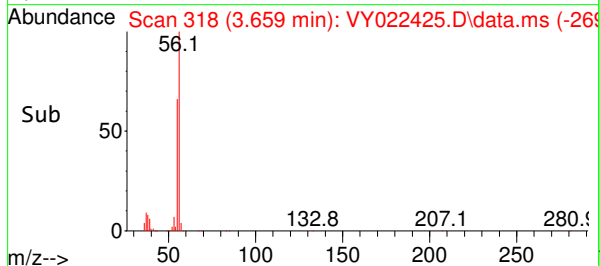
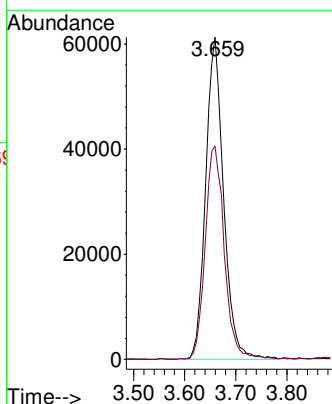
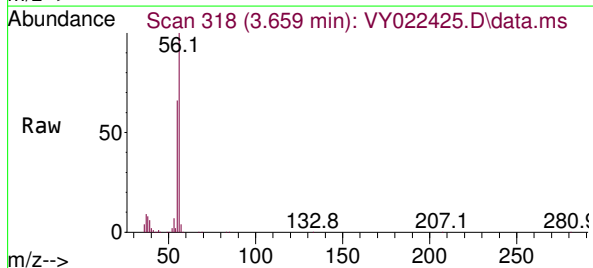
#13
Acrolein
Concen: 526.536 ug/l
RT: 3.659 min Scan# 318
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 14907
Ion Ratio Lower Upper
56 100
55 70.3 56.5 84.7

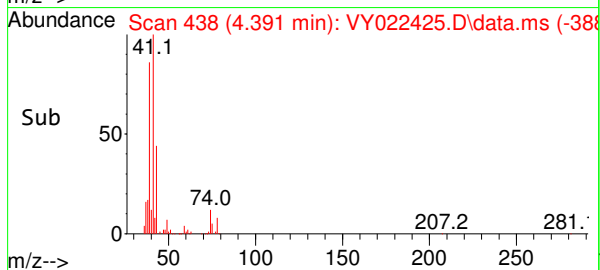
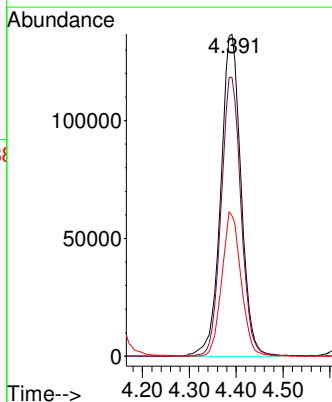
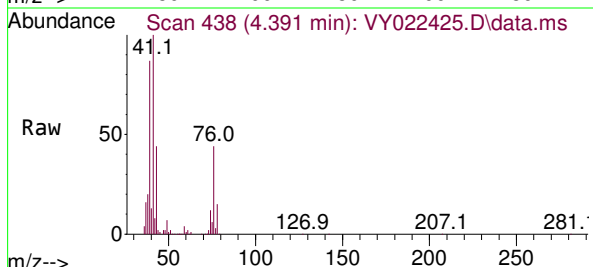
Manual Integrations
APPROVED

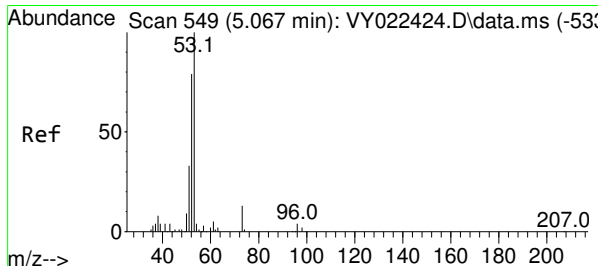
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#14
Allyl chloride
Concen: 101.625 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

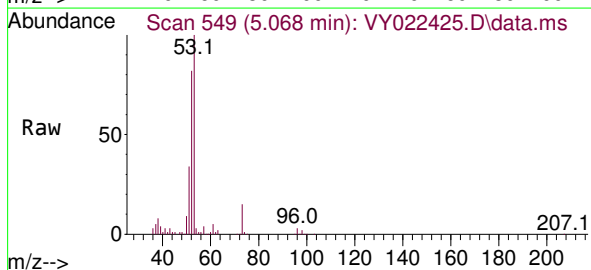
Tgt Ion: 41 Resp: 407614
Ion Ratio Lower Upper
41 100
39 85.1 66.6 100.0
76 42.4 33.7 50.5





#15
Acrylonitrile
Concen: 526.172 ug/l
RT: 5.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

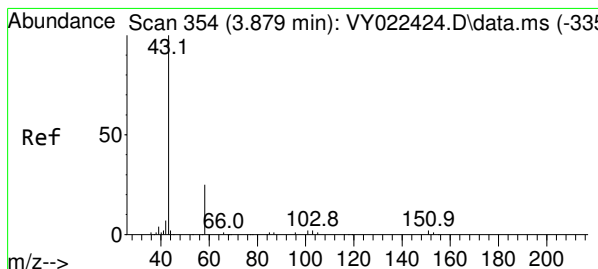
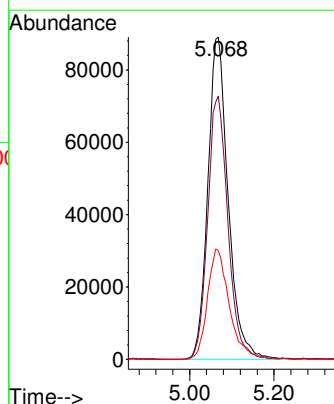
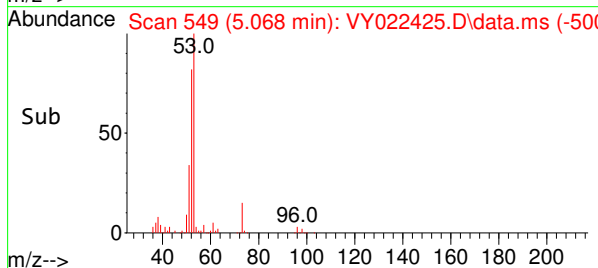
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 53 Resp: 29936
Ion Ratio Lower Upper
53 100
52 81.1 65.1 97.7
51 36.9 30.0 45.6

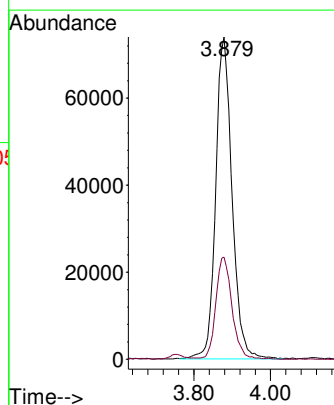
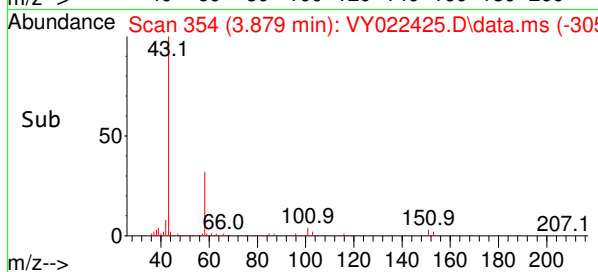
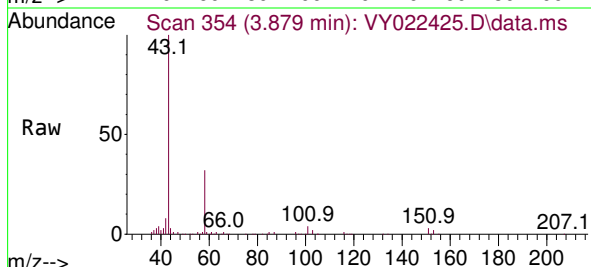
Manual Integrations
APPROVED

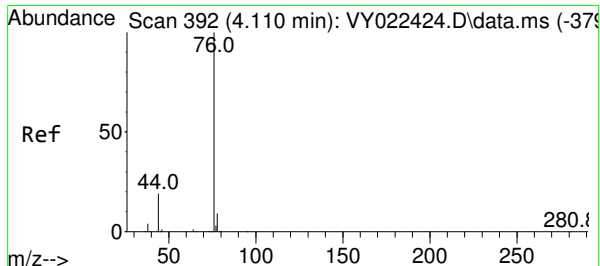
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#16
Acetone
Concen: 497.574 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 219178
Ion Ratio Lower Upper
43 100
58 31.7 20.6 30.8#





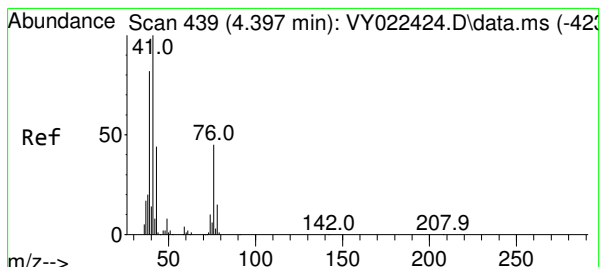
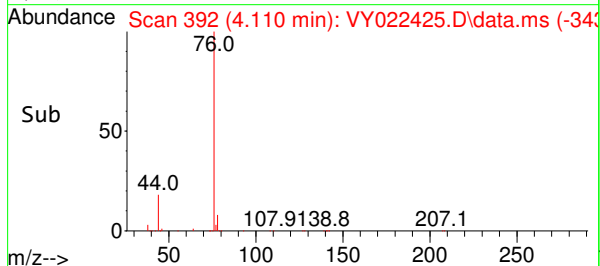
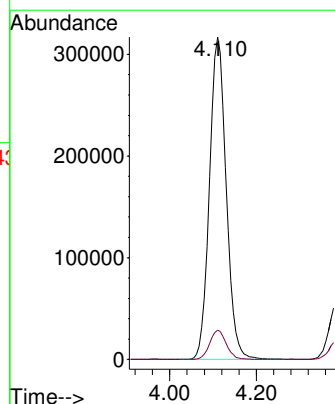
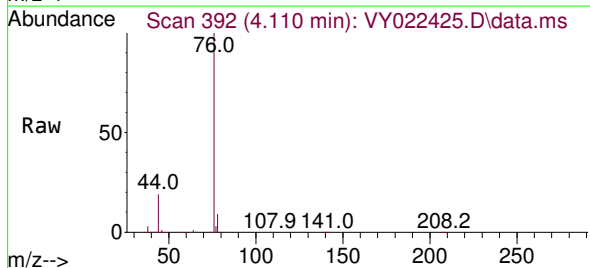
#17
Carbon Disulfide
Concen: 100.043 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 85127
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

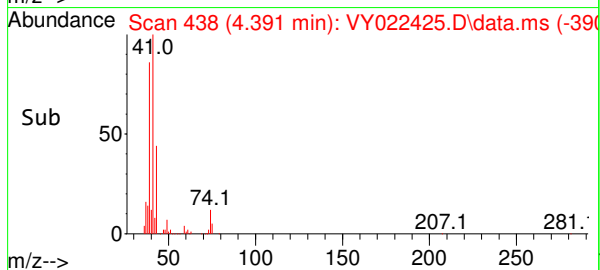
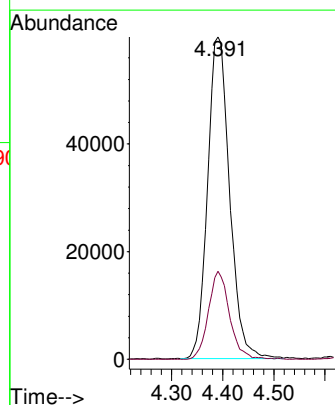
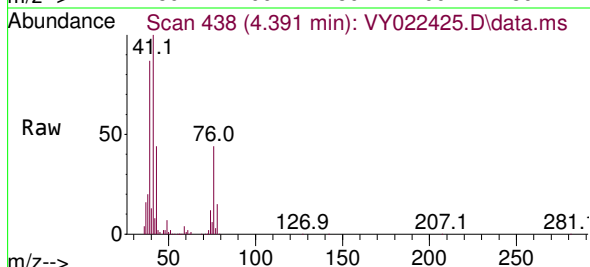
Manual Integrations
APPROVED

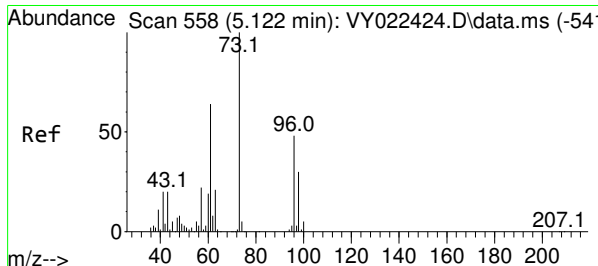
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#18
Methyl Acetate
Concen: 108.317 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 178729
Ion Ratio Lower Upper
43 100
74 26.3 21.2 31.8





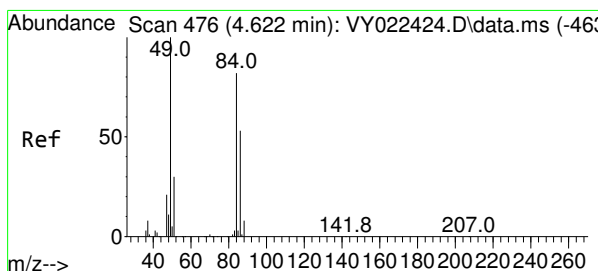
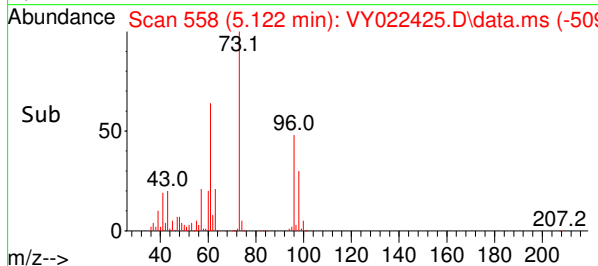
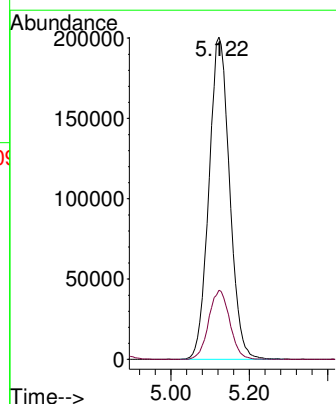
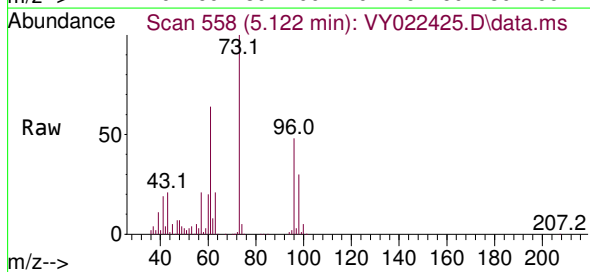
#19
Methyl tert-butyl Ether
Concen: 103.886 ug/l
RT: 5.122 min Scan# 558
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 73541
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5

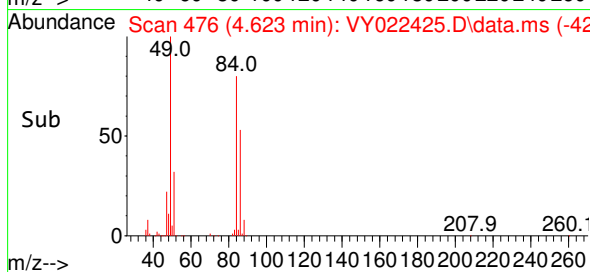
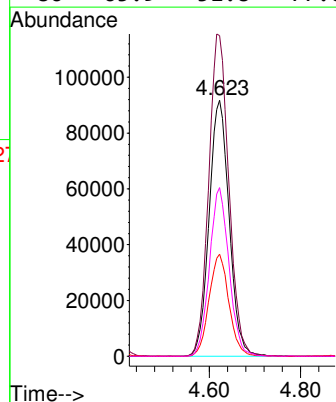
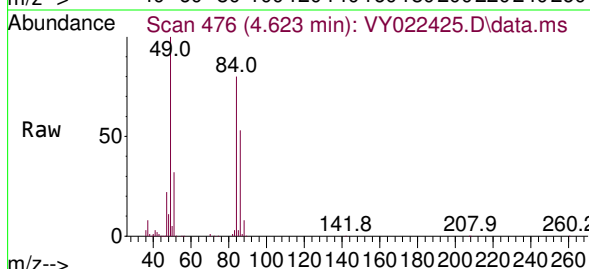
Manual Integrations
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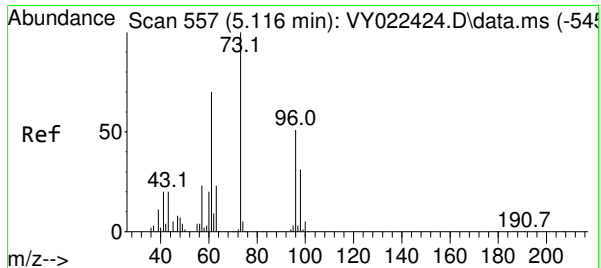
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#20
Methylene Chloride
Concen: 89.995 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 84 Resp: 279934
Ion Ratio Lower Upper
84 100
49 125.3 97.8 146.8
51 39.9 29.5 44.3
86 65.9 51.8 77.6





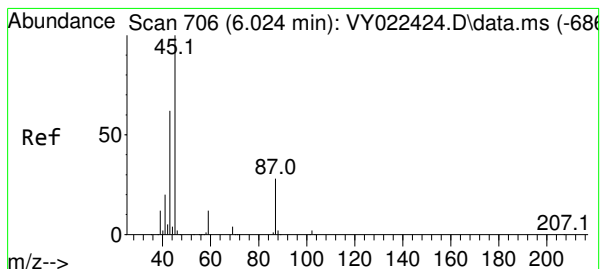
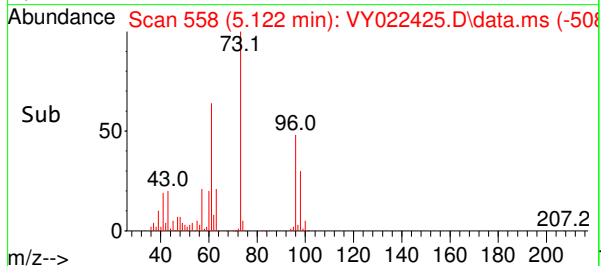
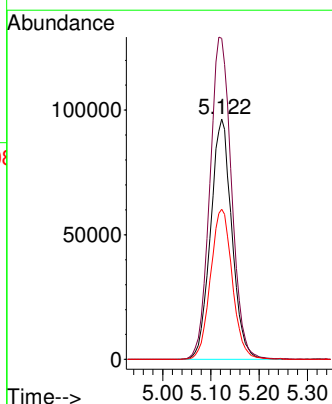
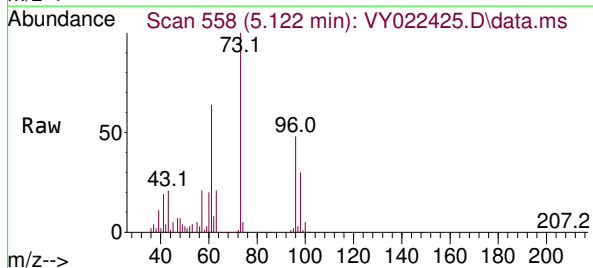
#21
trans-1,2-Dichloroethene
Concen: 101.801 ug/l
RT: 5.122 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 29633
Ion Ratio Lower Upper
96 100
61 133.6 110.4 165.6
98 62.4 48.6 73.0

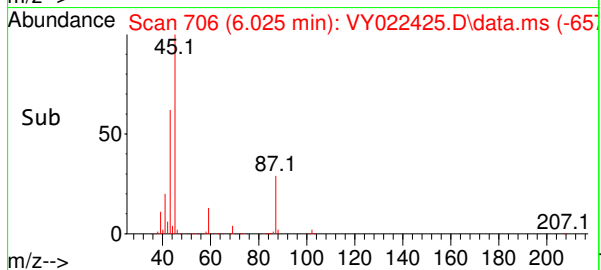
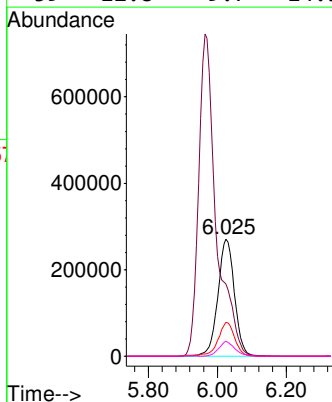
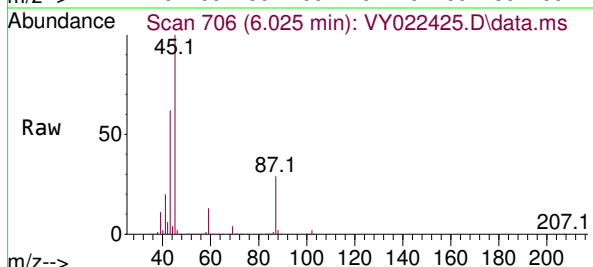
Manual Integrations
APPROVED

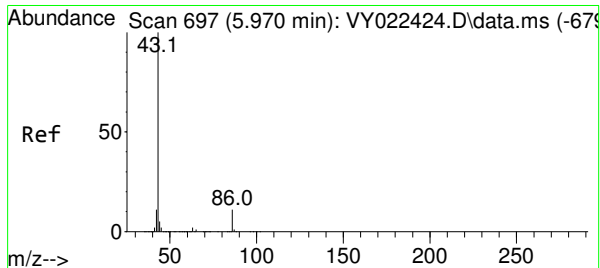
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#22
Diisopropyl ether
Concen: 102.415 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 45 Resp: 906611
Ion Ratio Lower Upper
45 100
43 61.7 49.8 74.8
87 29.2 23.0 34.6
59 12.8 9.7 14.5





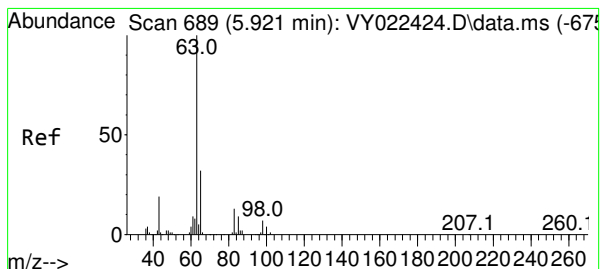
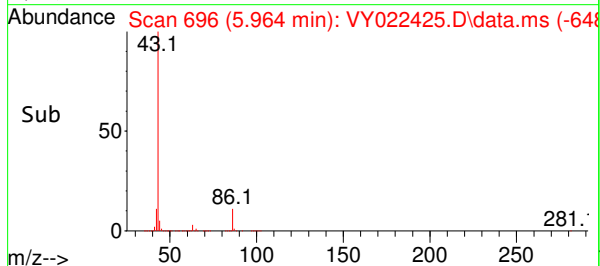
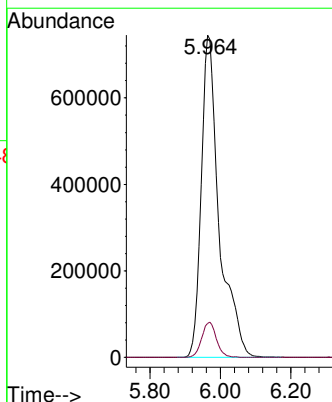
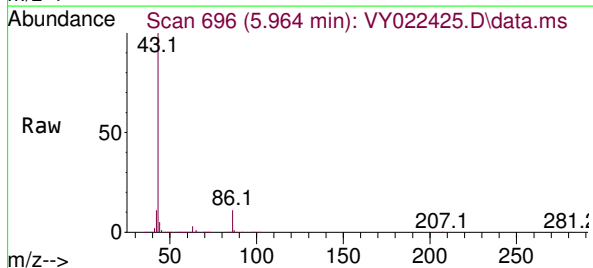
#23
Vinyl Acetate
Concen: 518.224 ug/l
RT: 5.964 min Scan# 696
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 263405
Ion Ratio Lower Upper
43 100
86 10.6 8.8 13.2

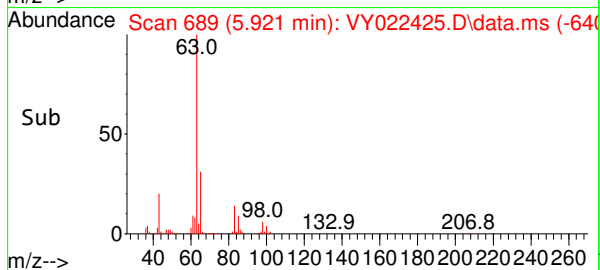
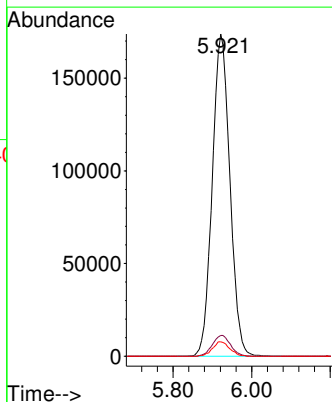
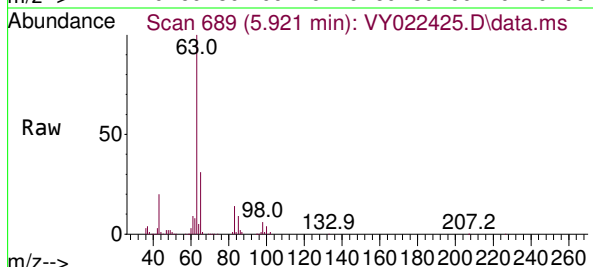
Manual Integrations
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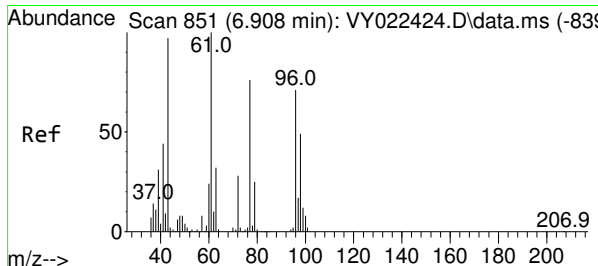
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#24
1,1-Dichloroethane
Concen: 103.372 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 63 Resp: 540724
Ion Ratio Lower Upper
63 100
98 6.5 3.5 10.5
100 4.5 2.1 6.5





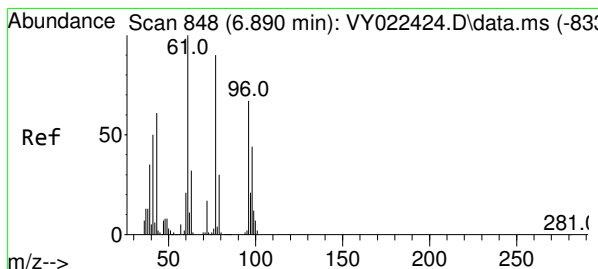
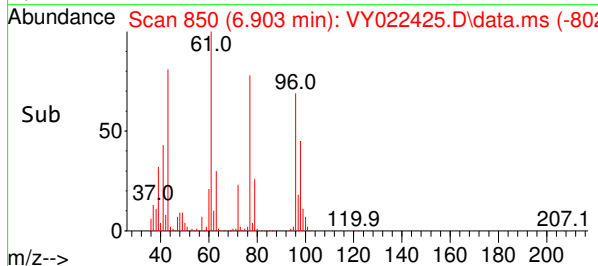
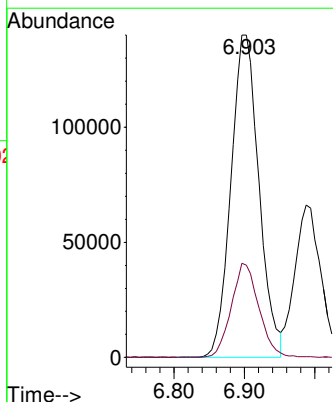
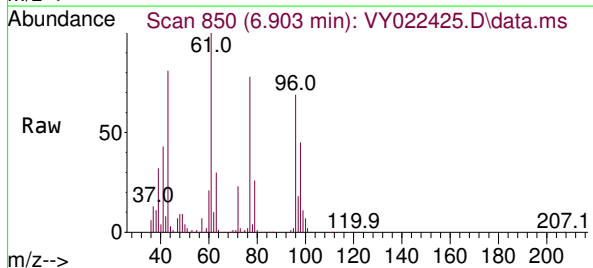
#25
2-Butanone
Concen: 527.215 ug/l
RT: 6.903 min Scan# 851
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 38676
Ion Ratio Lower Upper
43 100
72 28.6 22.8 34.2

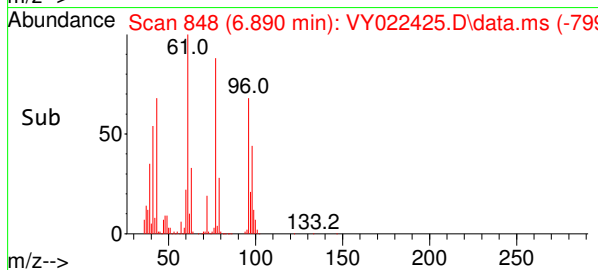
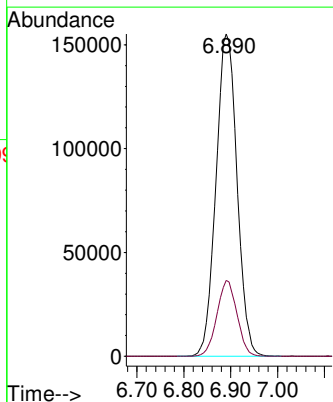
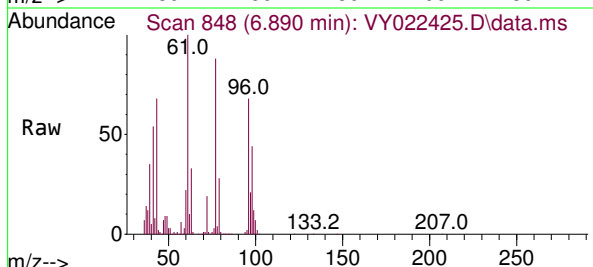
Manual Integrations
APPROVED

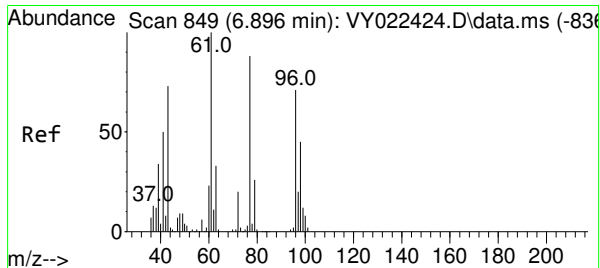
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#26
2,2-Dichloropropane
Concen: 101.829 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 77 Resp: 482308
Ion Ratio Lower Upper
77 100
97 22.4 11.6 34.7





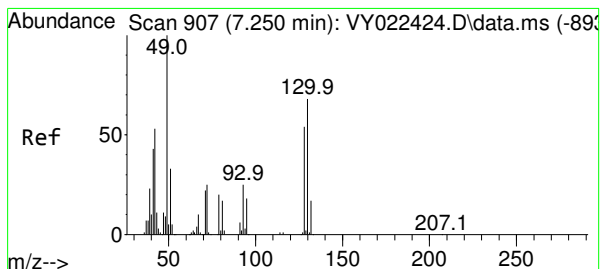
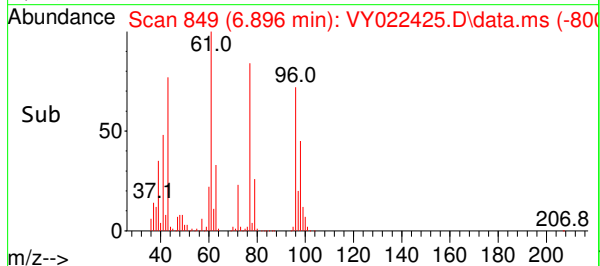
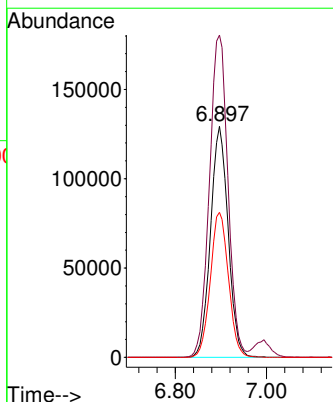
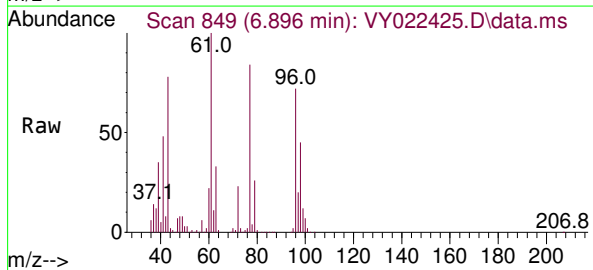
#27
 cis-1,2-Dichloroethene
 Concen: 103.273 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. 0.000 min
 Lab File: VY022425.D
 Acq: 27 May 2025 10:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Tgt Ion: 96 Resp: 34802
 Ion Ratio Lower Upper
 96 100
 61 146.3 0.0 292.0
 98 64.4 0.0 131.0

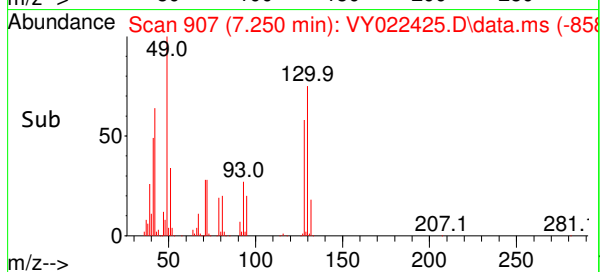
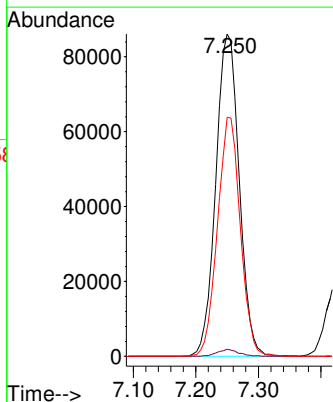
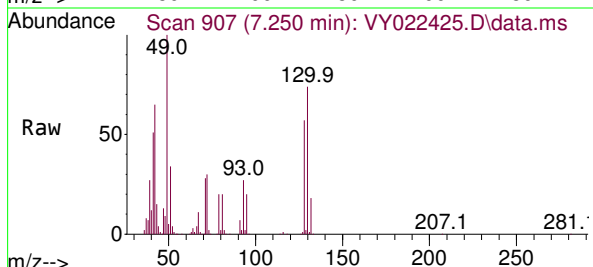
Manual Integrations
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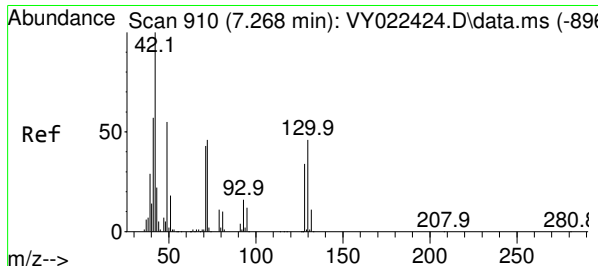
Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025



#28
 Bromochloromethane
 Concen: 102.322 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.000 min
 Lab File: VY022425.D
 Acq: 27 May 2025 10:22

Tgt Ion: 49 Resp: 223498
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 72.3 56.9 85.3





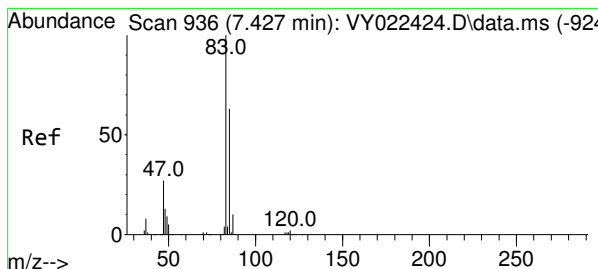
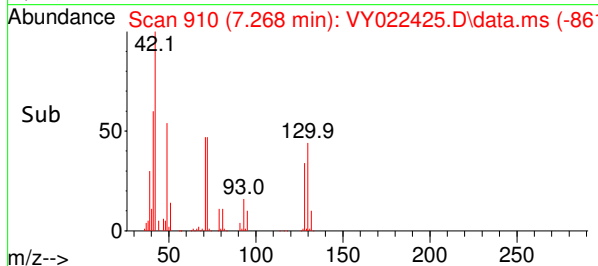
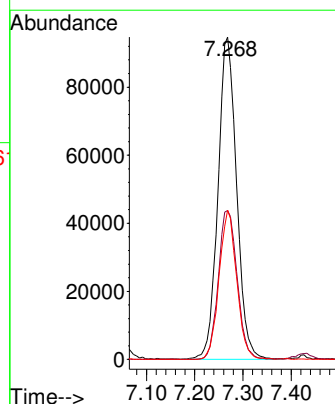
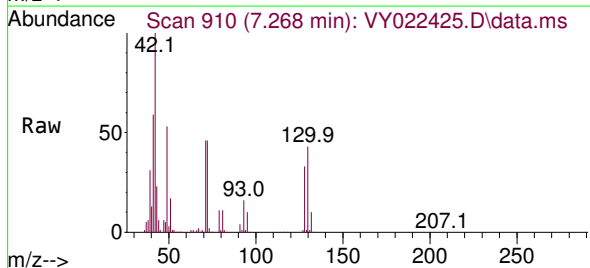
#29
Tetrahydrofuran
Concen: 519.309 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 25407
Ion Ratio Lower Upper
42 100
72 46.9 37.7 56.5
71 43.9 34.7 52.1

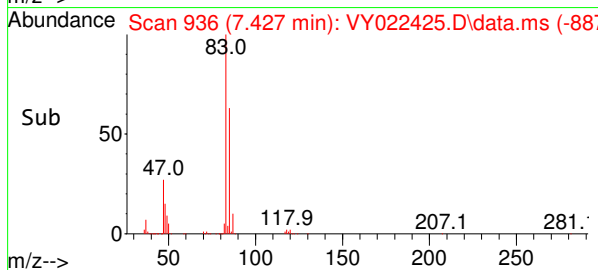
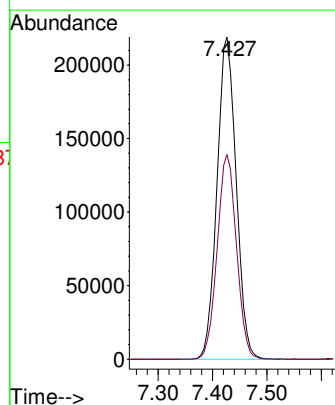
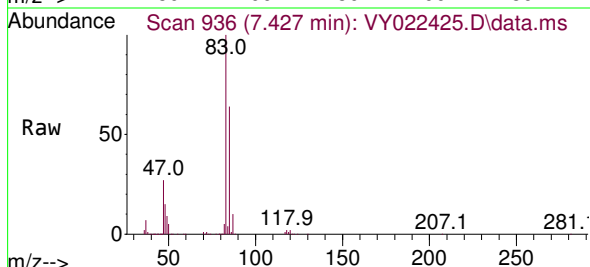
Manual Integrations
APPROVED

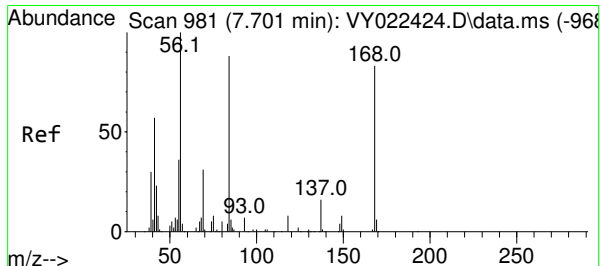
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#30
Chloroform
Concen: 103.866 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 83 Resp: 535360
Ion Ratio Lower Upper
83 100
85 63.5 50.1 75.1





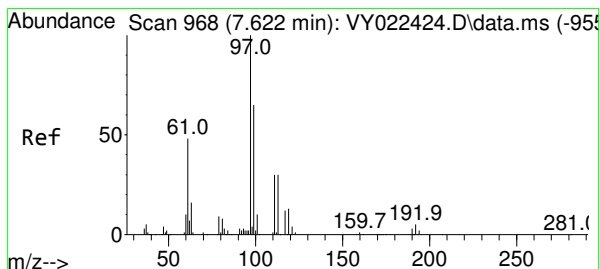
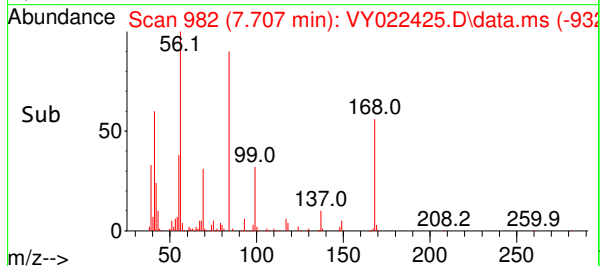
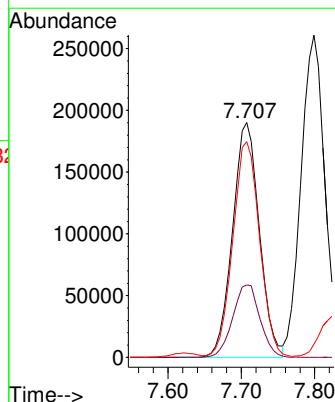
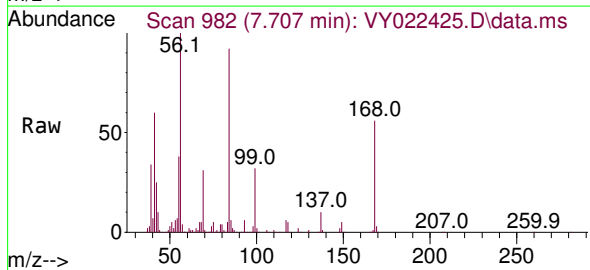
#31
Cyclohexane
Concen: 93.445 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 48182
Ion Ratio Lower Upper
56 100
69 30.9 24.6 36.8
84 90.3 70.4 105.6

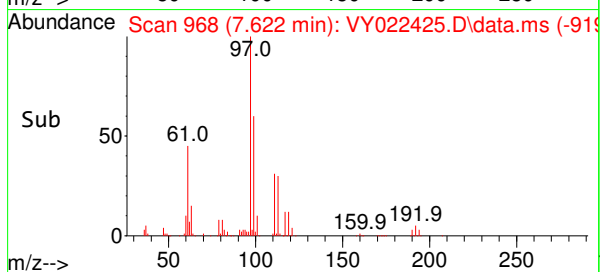
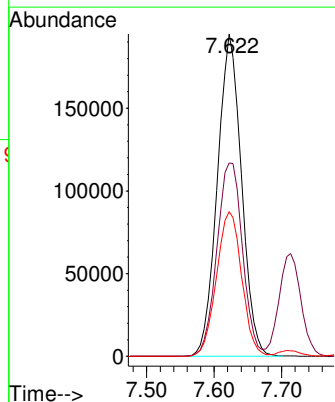
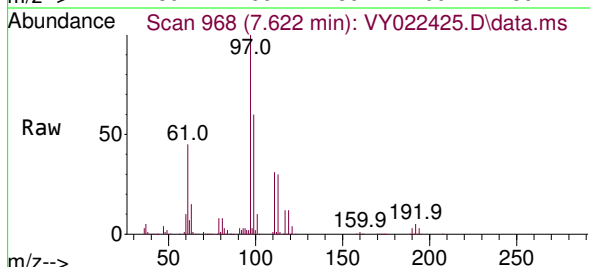
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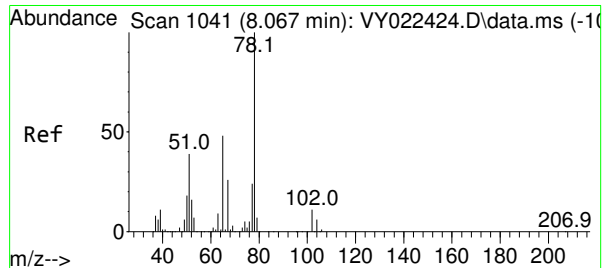
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#32
1,1,1-Trichloroethane
Concen: 103.605 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 97 Resp: 484647
Ion Ratio Lower Upper
97 100
99 63.7 51.3 76.9
61 47.0 37.3 55.9





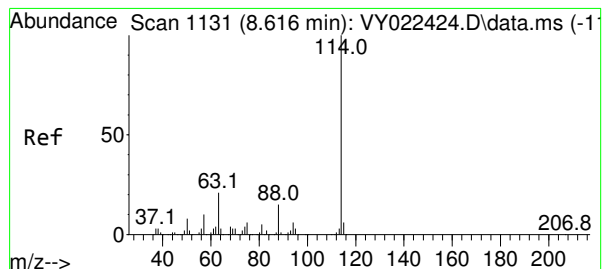
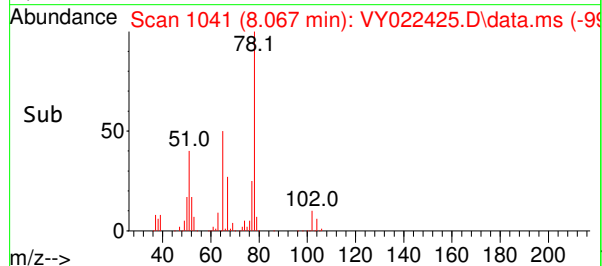
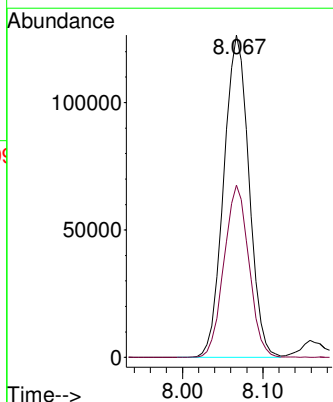
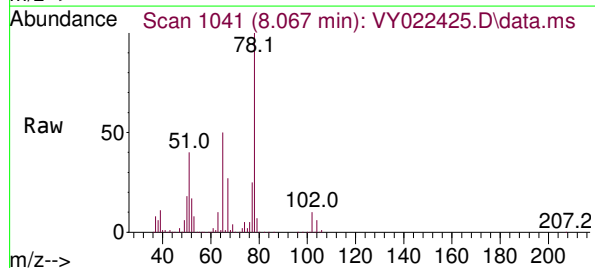
#33
1,2-Dichloroethane-d4
Concen: 102.746 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 27542
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.4

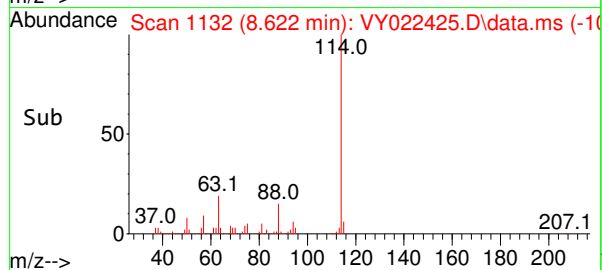
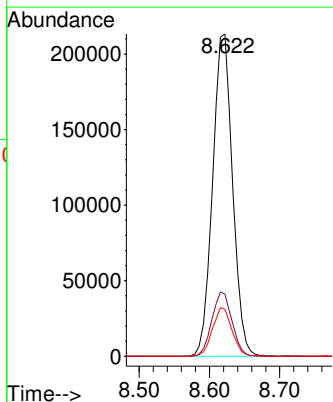
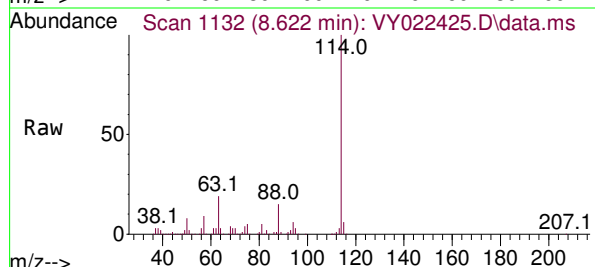
Manual Integrations
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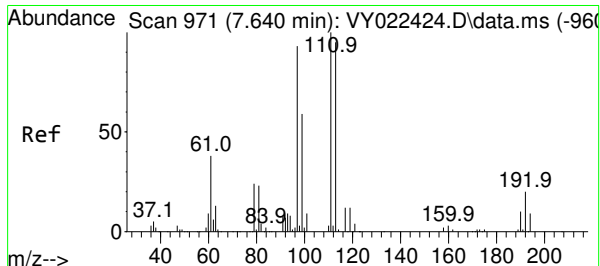
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:114 Resp: 420045
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.6
88 14.6 0.0 29.4





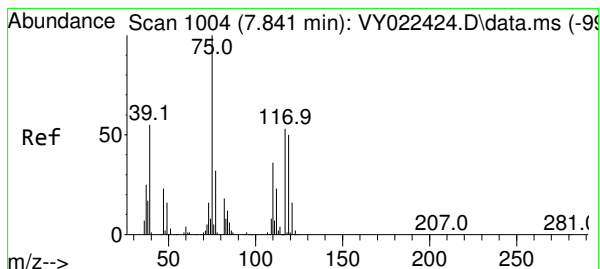
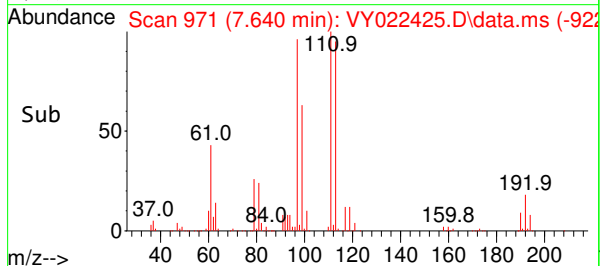
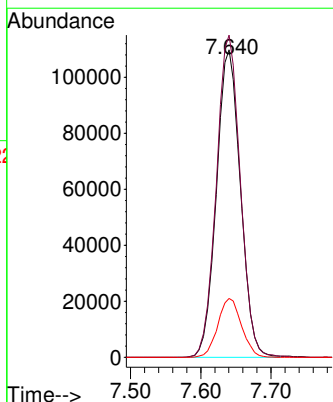
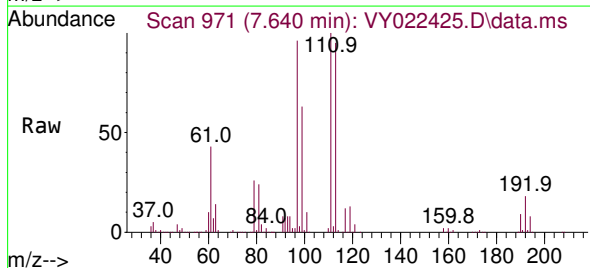
#35
Dibromofluoromethane
Concen: 105.646 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:113 Resp: 25988
Ion Ratio Lower Upper
113 100
111 104.8 82.4 123.6
192 19.0 15.2 22.8

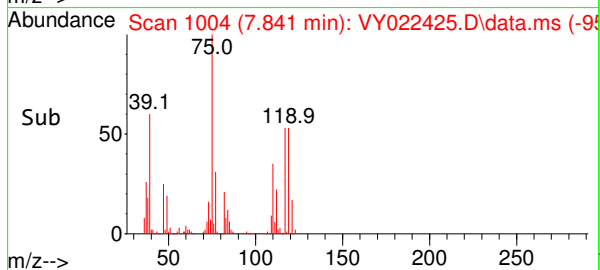
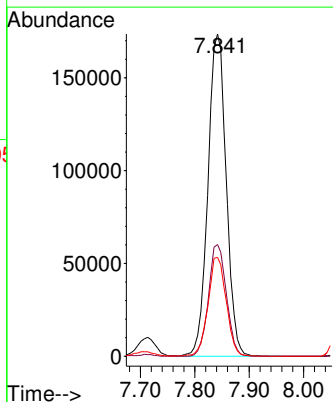
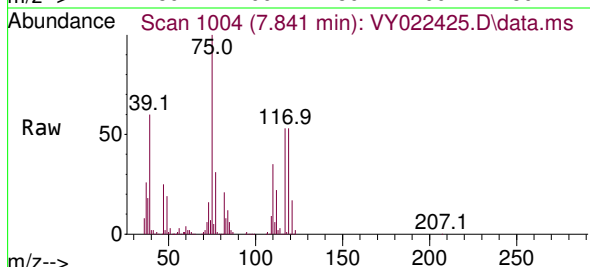
Manual Integrations
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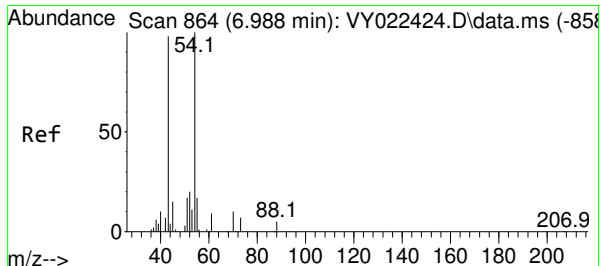
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#36
1,1-Dichloropropene
Concen: 103.896 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

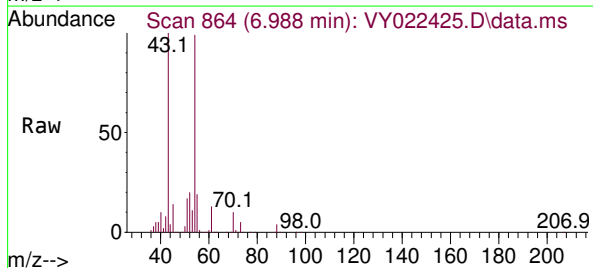
Tgt Ion: 75 Resp: 405555
Ion Ratio Lower Upper
75 100
110 34.1 17.1 51.2
77 30.8 25.1 37.7





#37
Ethyl Acetate
Concen: 105.171 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

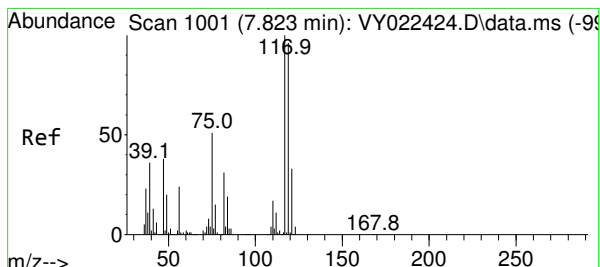
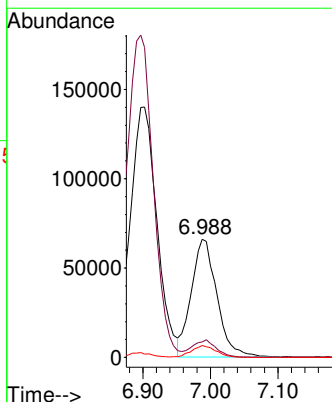
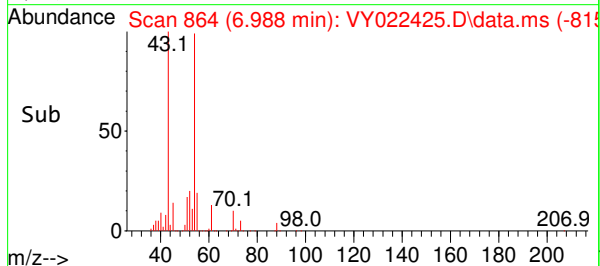
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 17447
Ion Ratio Lower Upper
43 100
61 13.9 11.7 17.5
70 9.8 7.8 11.6

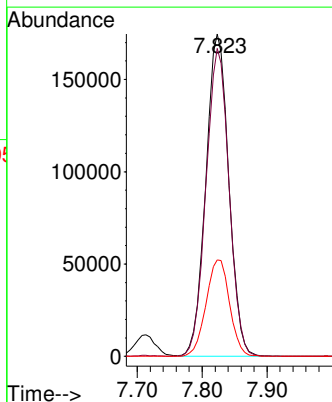
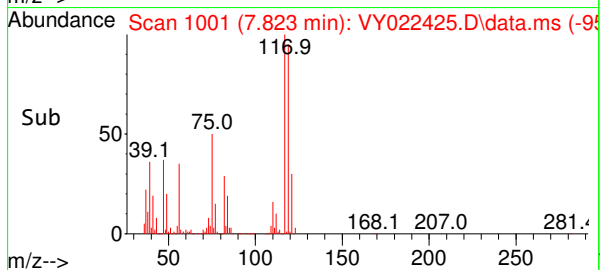
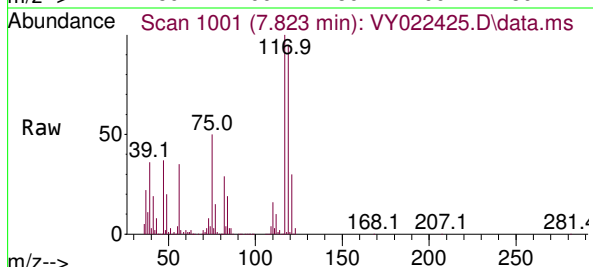
Manual Integrations
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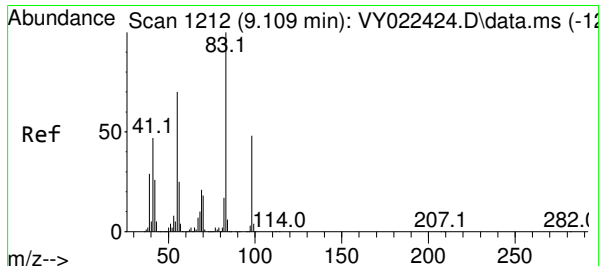
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#38
Carbon Tetrachloride
Concen: 105.456 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:117 Resp: 428817
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5
121 29.9 26.1 39.1





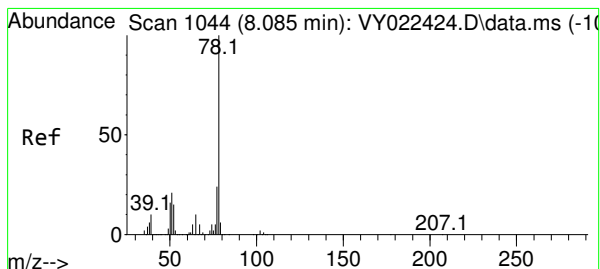
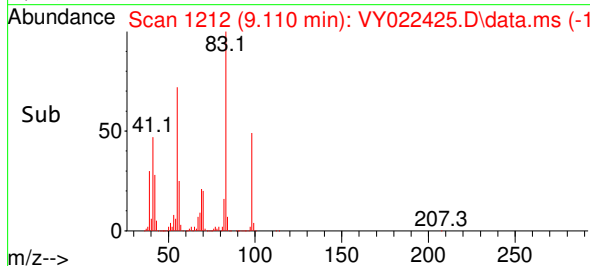
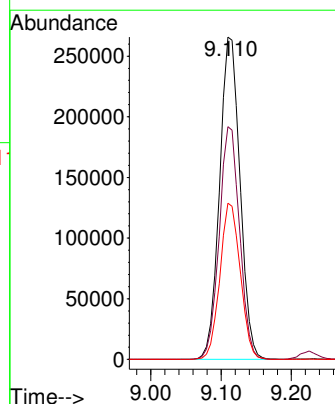
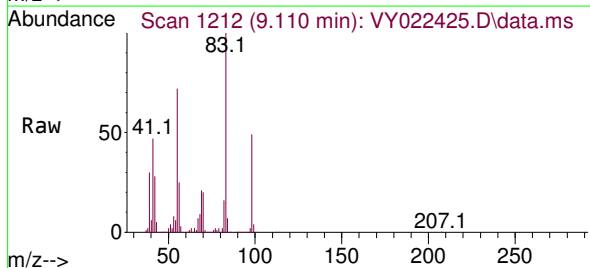
#39
Methylcyclohexane
Concen: 103.329 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.2	56.2	84.2
98	48.5	38.4	57.6

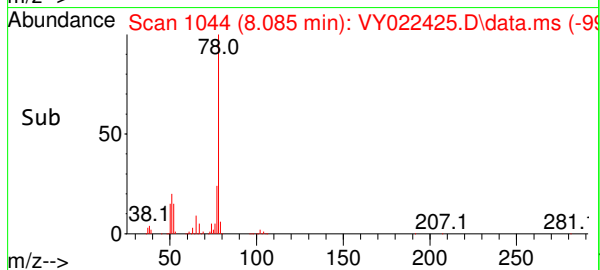
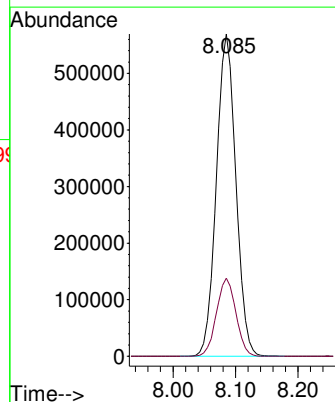
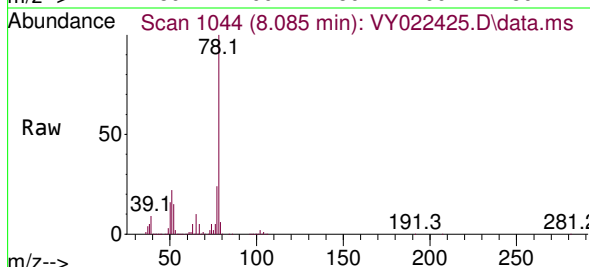
Manual Integrations
APPROVED

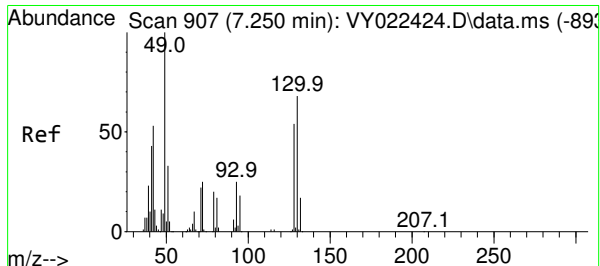
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#40
Benzene
Concen: 105.848 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.2





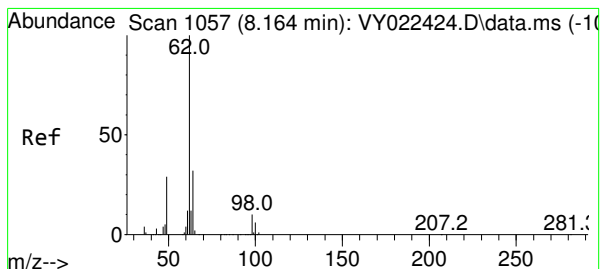
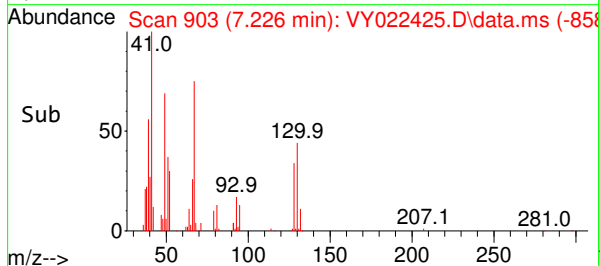
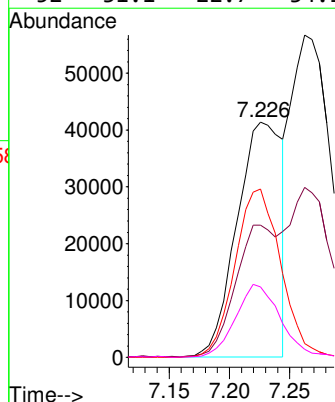
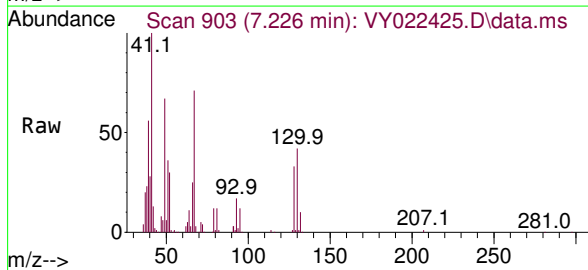
#41
Methacrylonitrile
Concen: 49.194 ug/l
RT: 7.226 min Scan# 903
Delta R.T. -0.024 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 10746
Ion Ratio Lower Upper
41 100
39 49.4 40.4 60.6
67 73.1 53.0 79.4
52 31.1 22.7 34.1

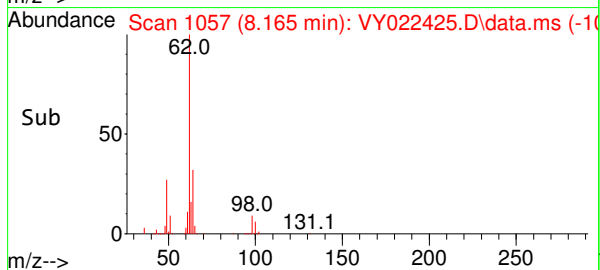
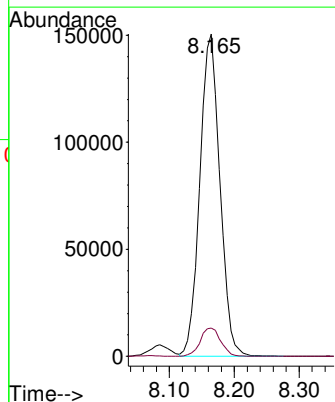
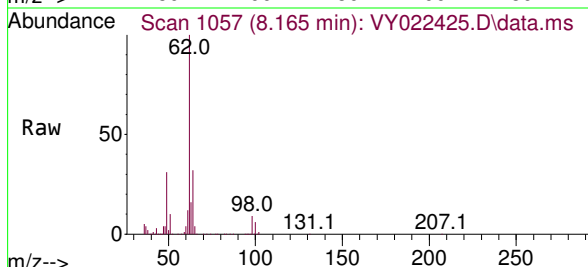
Manual Integrations
APPROVED

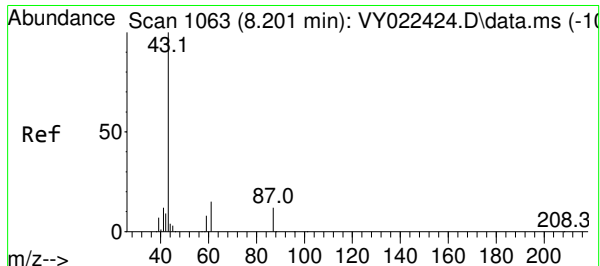
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#42
1,2-Dichloroethane
Concen: 104.887 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 62 Resp: 321758
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.4





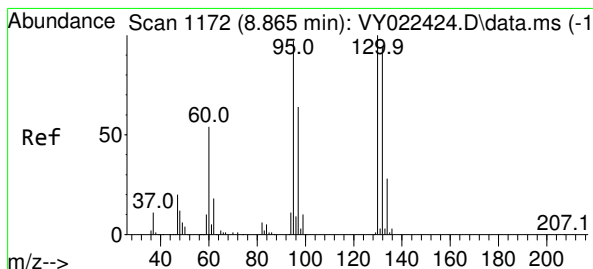
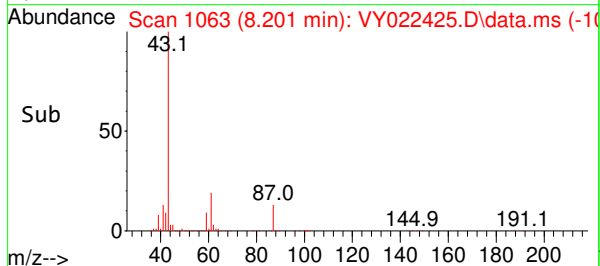
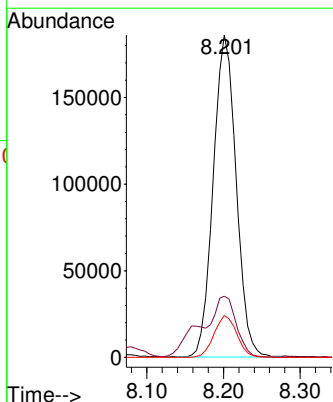
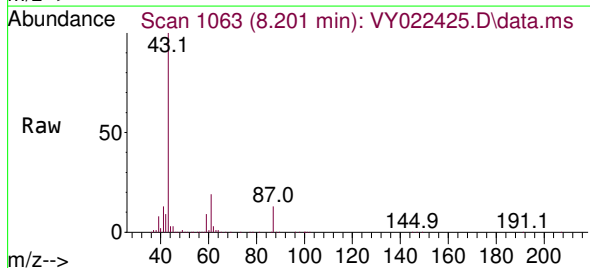
#43
Isopropyl Acetate
Concen: 106.287 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.0	10.6	15.8

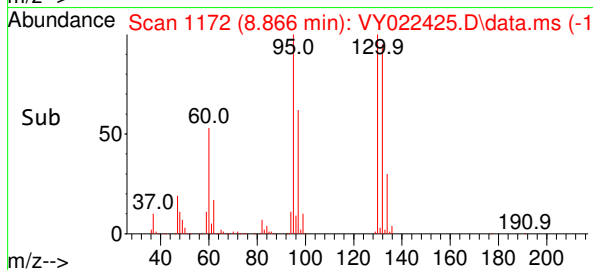
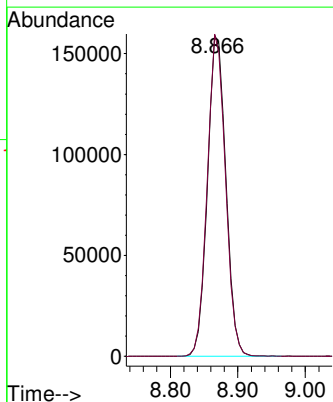
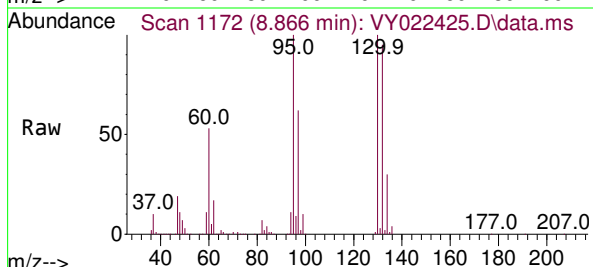
Manual Integrations
APPROVED

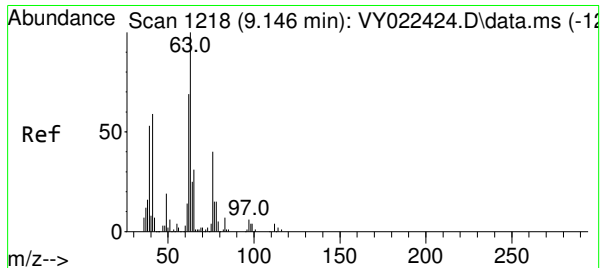
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#44
Trichloroethene
Concen: 104.583 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	194.8





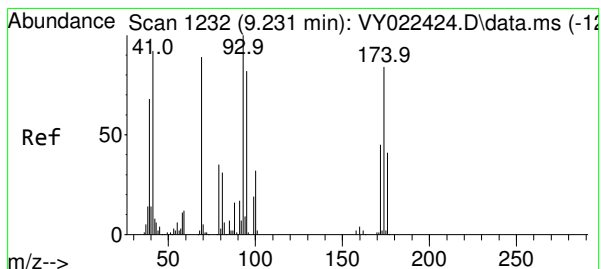
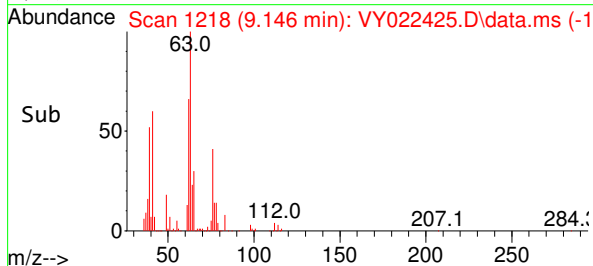
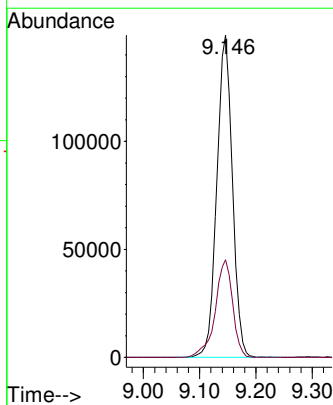
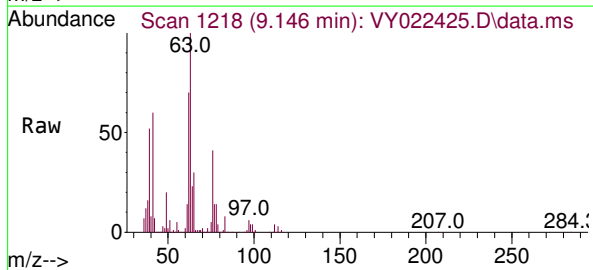
#45
1,2-Dichloropropane
Concen: 105.160 ug/l
RT: 9.146 min Scan# 1218
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 28698
Ion Ratio Lower Upper
63 100
65 30.3 25.1 37.7

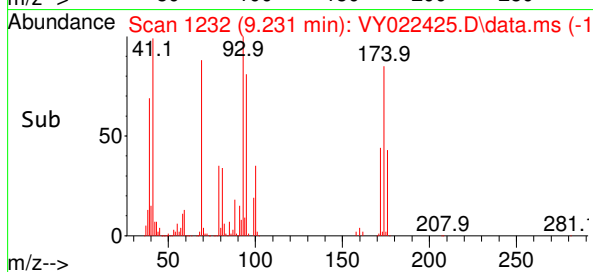
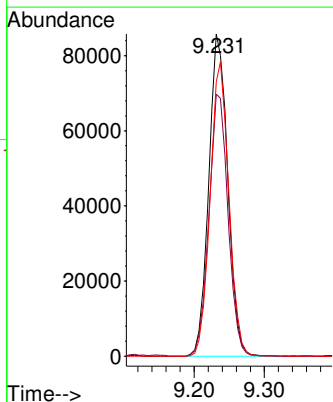
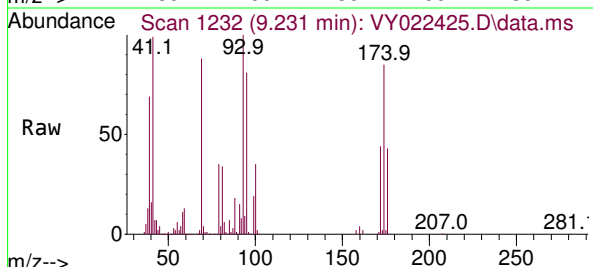
Manual Integrations
APPROVED

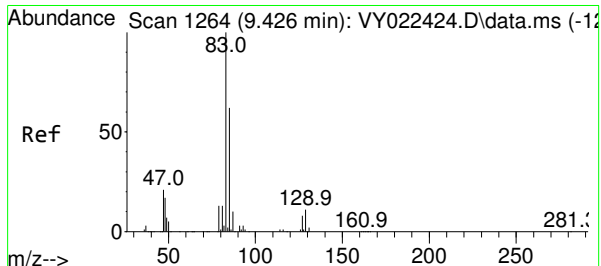
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#46
Dibromomethane
Concen: 105.464 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 93 Resp: 160779
Ion Ratio Lower Upper
93 100
95 81.8 66.2 99.2
174 89.9 71.1 106.7





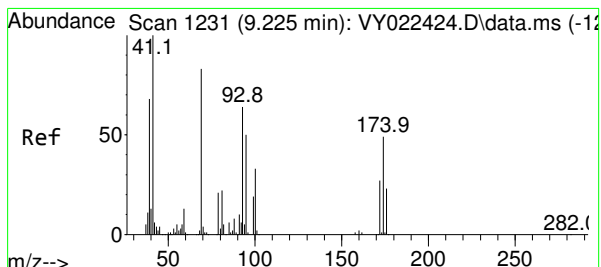
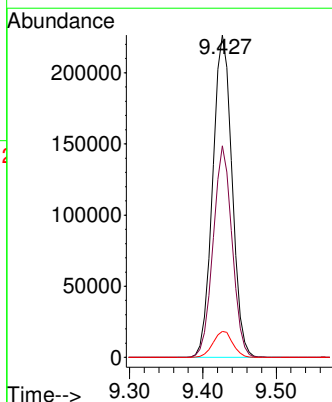
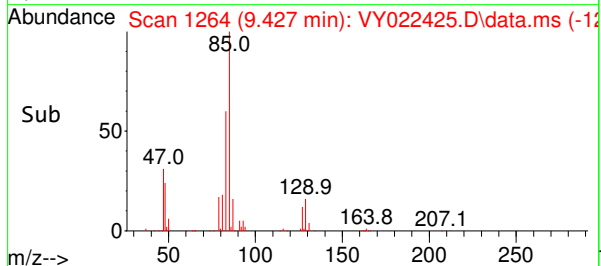
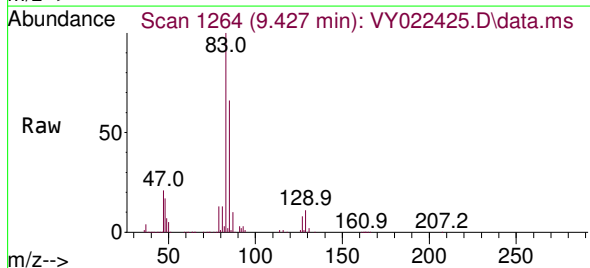
#47
Bromodichloromethane
Concen: 105.558 ug/l
RT: 9.427 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 41382
Ion Ratio Lower Upper
83 100
85 65.6 49.8 74.6
127 8.0 6.6 9.8

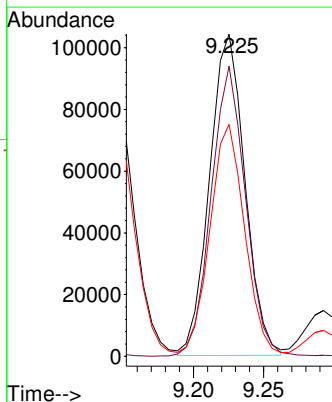
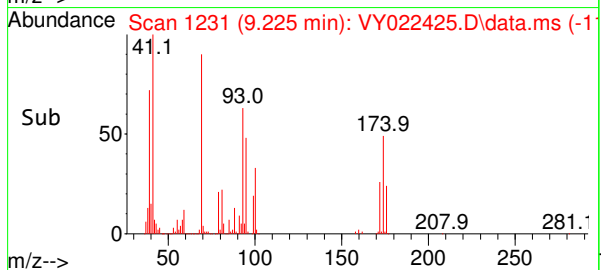
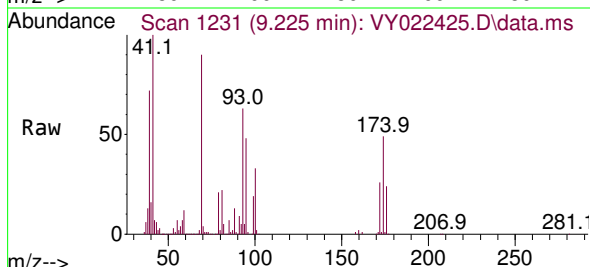
Manual Integrations
APPROVED

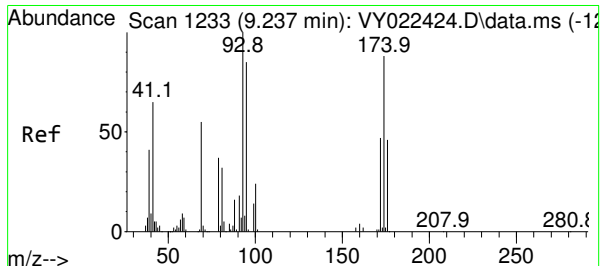
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#48
Methyl methacrylate
Concen: 108.116 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 41 Resp: 181931
Ion Ratio Lower Upper
41 100
69 88.1 70.3 105.5
39 69.0 55.4 83.0





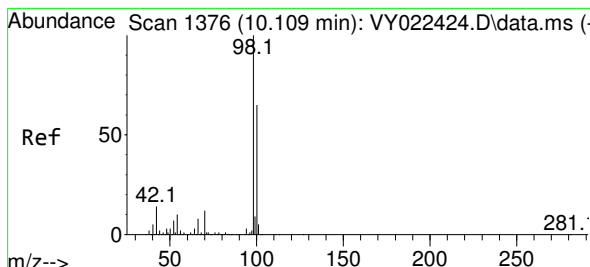
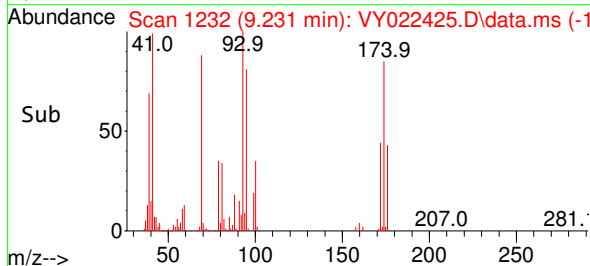
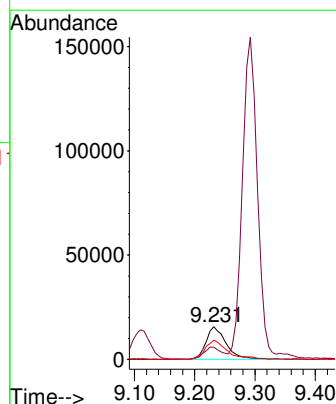
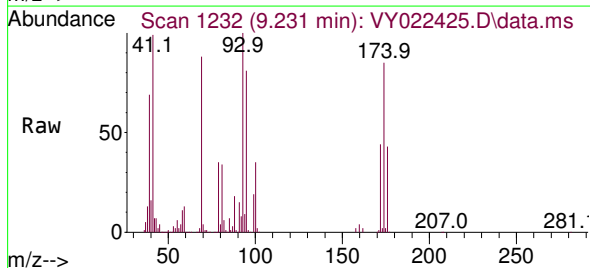
#49
1,4-Dioxane
Concen: 2158.331 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:	88	Resp:	3634
Ion	Ratio	Lower	Upper
88	100		
43	34.2	26.9	40.3
58	65.5	55.8	83.6

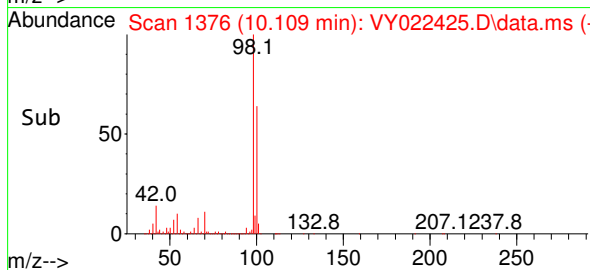
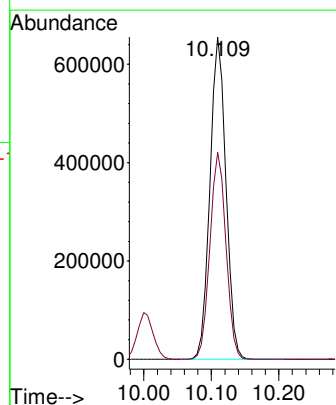
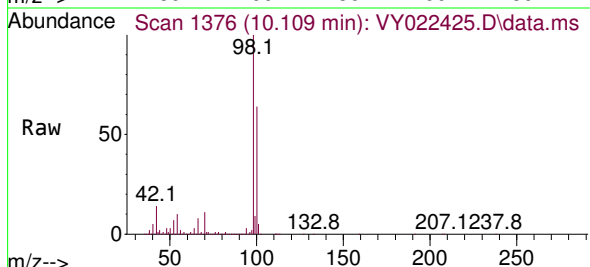
Manual Integrations
APPROVED

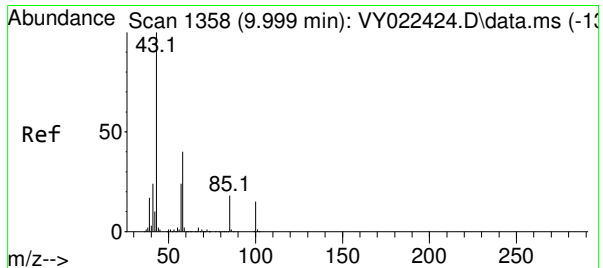
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#50
Toluene-d8
Concen: 106.726 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:	98	Resp:	1070243
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2





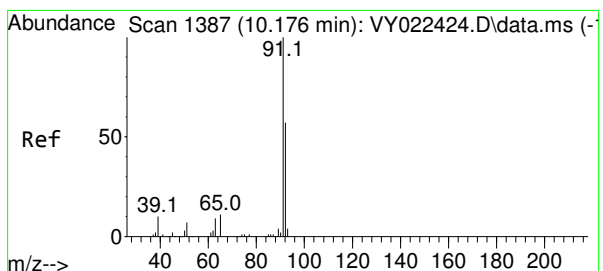
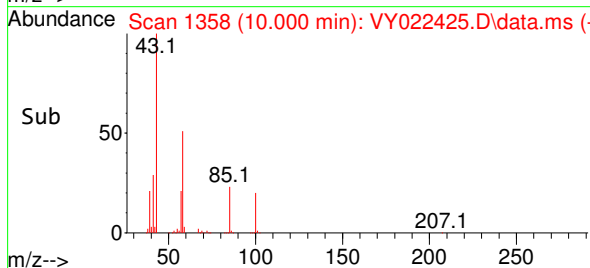
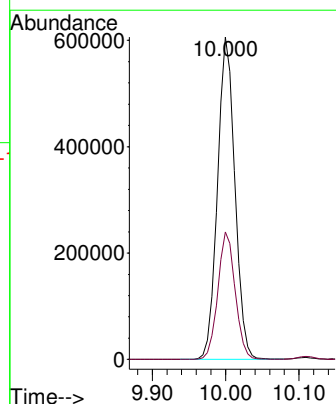
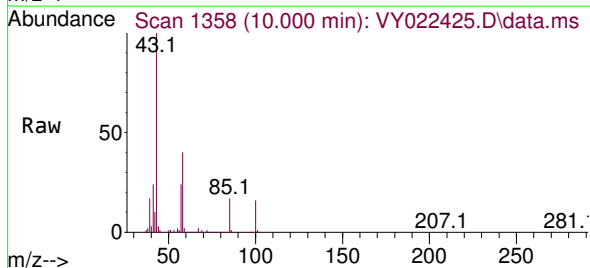
#51
4-Methyl-2-Pentanone
Concen: 556.674 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 99566
Ion Ratio Lower Upper
43 100
58 39.4 31.2 46.8

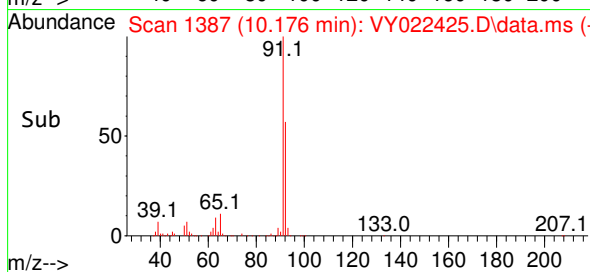
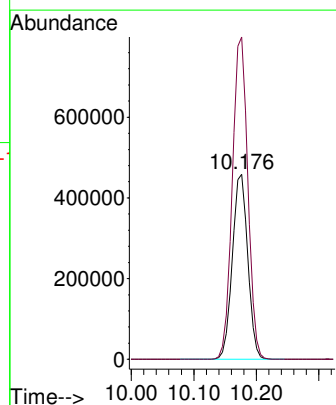
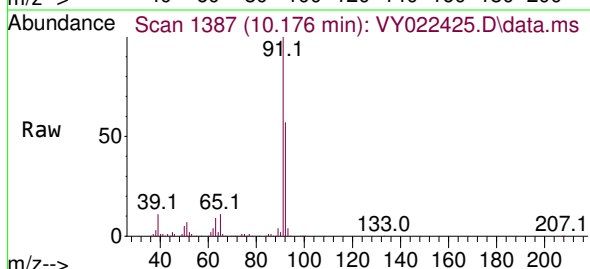
Manual Integrations
APPROVED

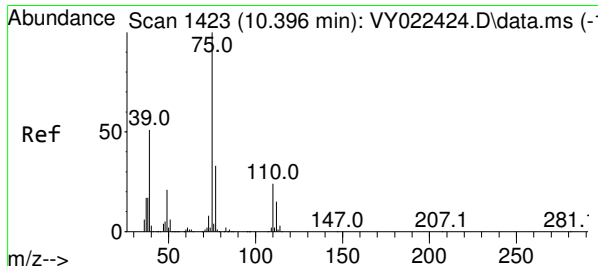
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#52
Toluene
Concen: 107.563 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 92 Resp: 780350
Ion Ratio Lower Upper
92 100
91 175.4 139.8 209.6





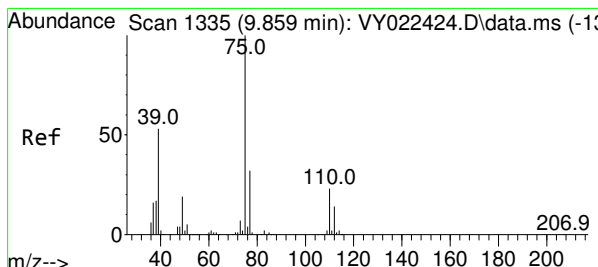
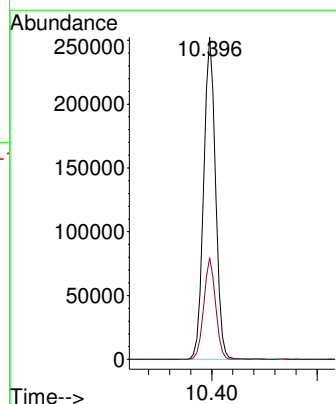
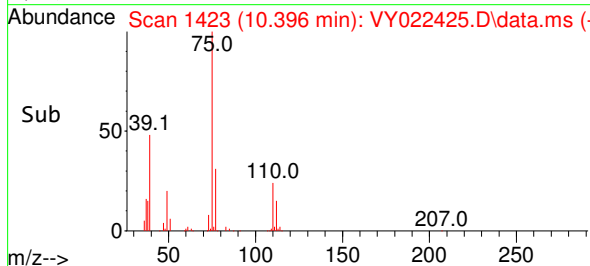
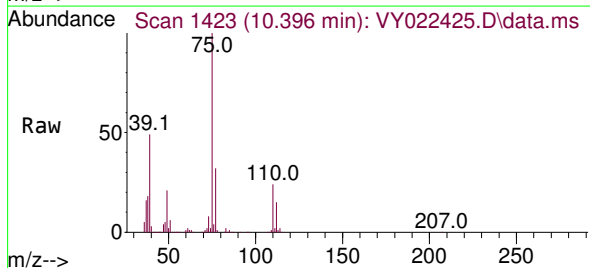
#53
t-1,3-Dichloropropene
Concen: 108.544 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 39636
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.2

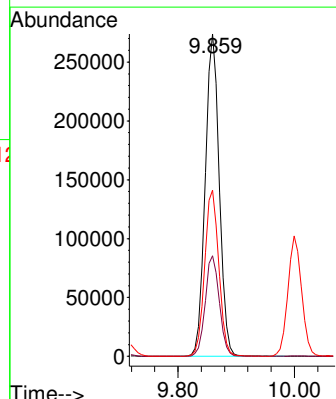
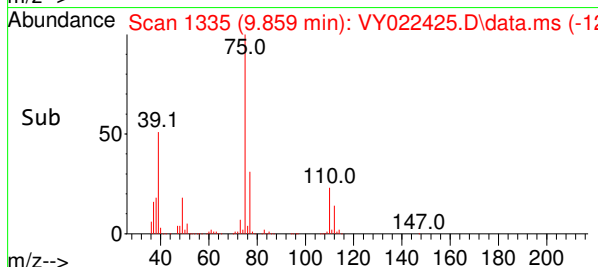
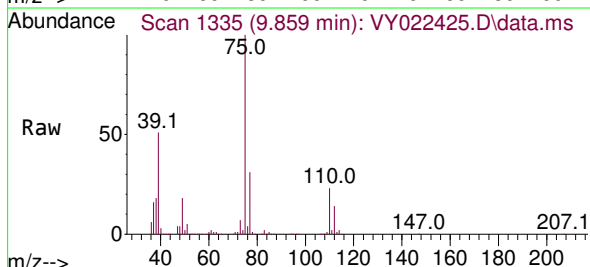
Manual Integrations
APPROVED

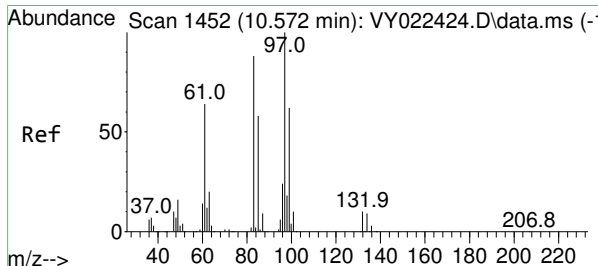
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#54
cis-1,3-Dichloropropene
Concen: 107.411 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 75 Resp: 460876
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2
39 51.4 42.5 63.7





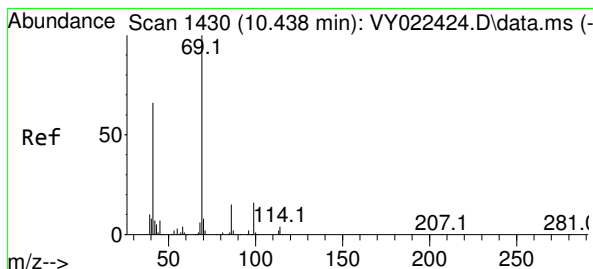
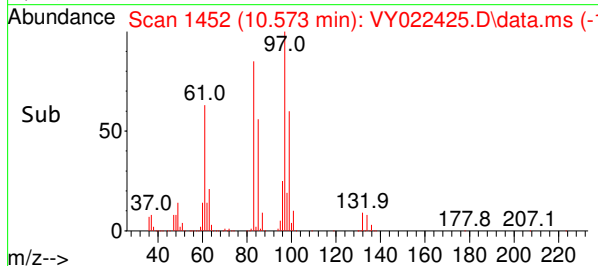
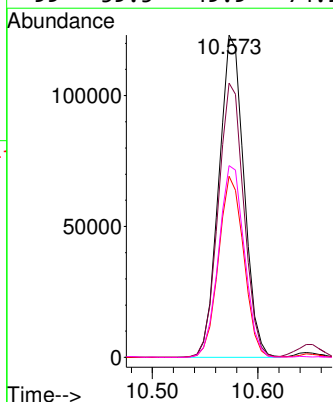
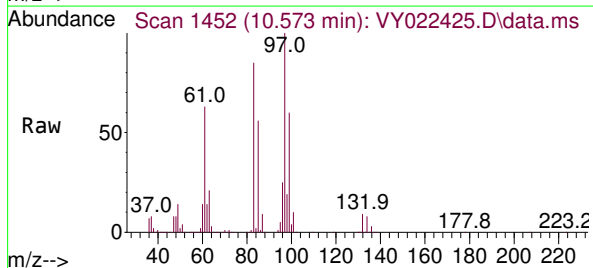
#55
1,1,2-Trichloroethane
Concen: 106.007 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.2	105.4
85	56.2	46.1	69.1
99	59.5	49.9	74.9

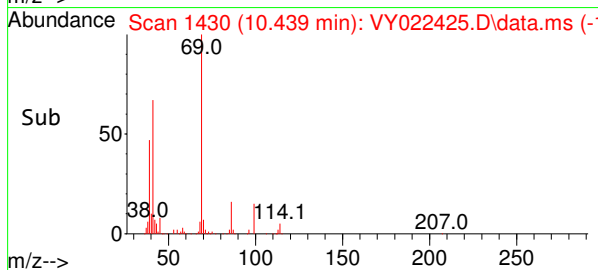
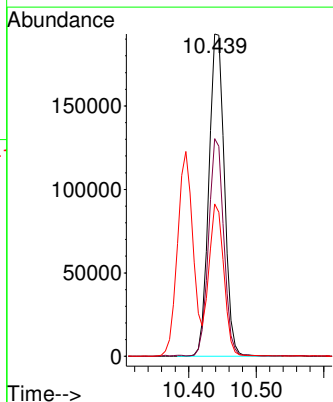
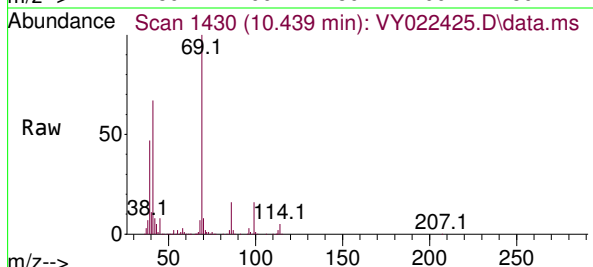
Manual Integrations
APPROVED

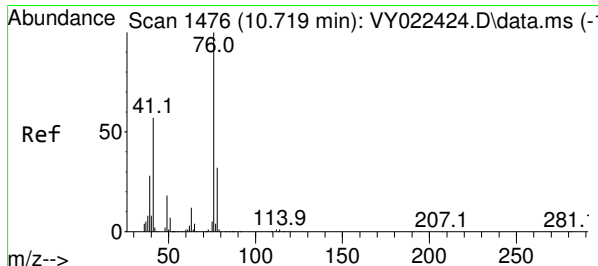
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#56
Ethyl methacrylate
Concen: 110.908 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.8	51.2	76.8
39	44.7	35.2	52.8





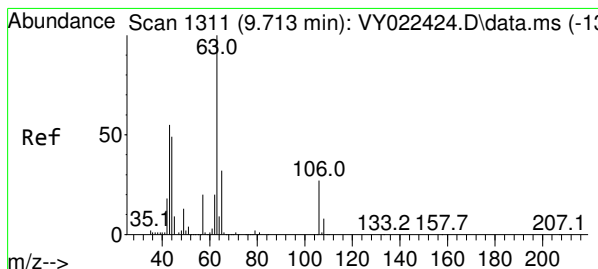
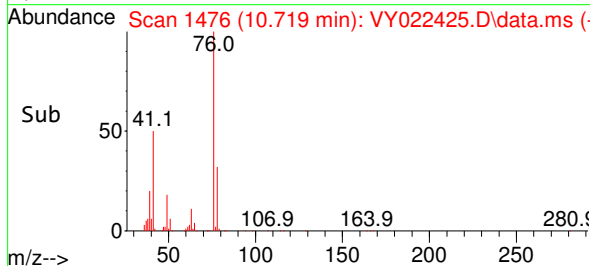
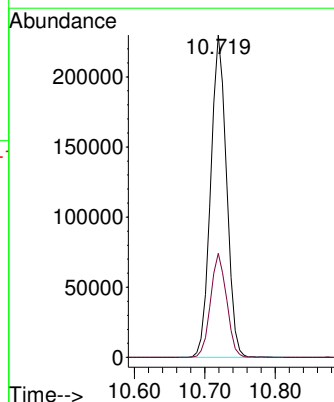
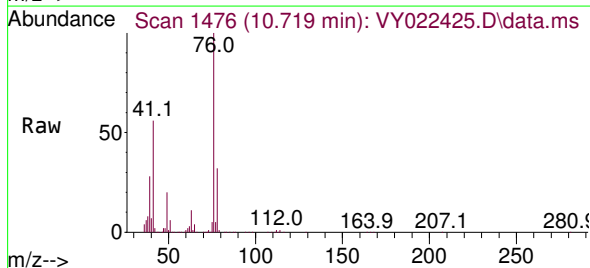
#57
1,3-Dichloropropane
Concen: 105.893 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 35968
Ion Ratio Lower Upper
76 100
78 32.6 25.8 38.8

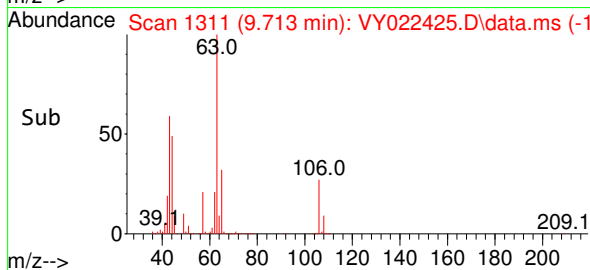
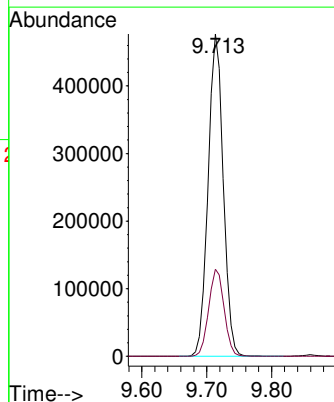
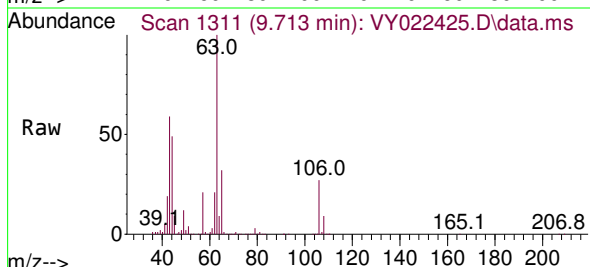
Manual Integrations
APPROVED

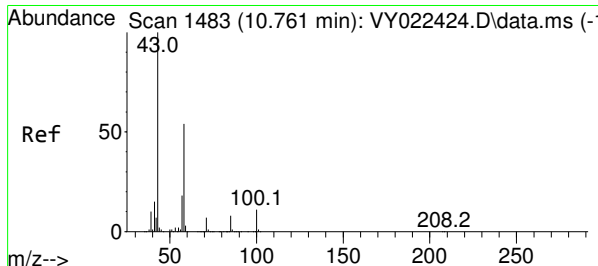
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 559.284 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 63 Resp: 770988
Ion Ratio Lower Upper
63 100
106 27.5 22.2 33.2





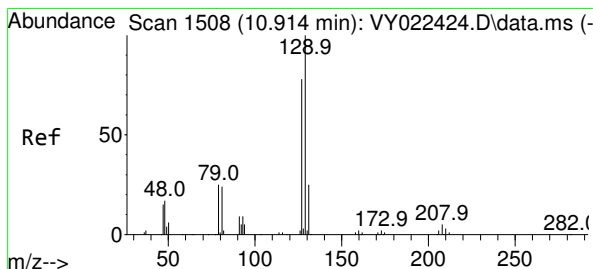
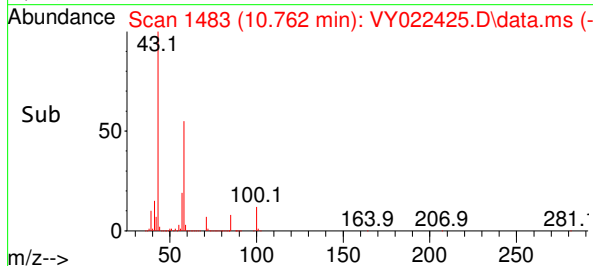
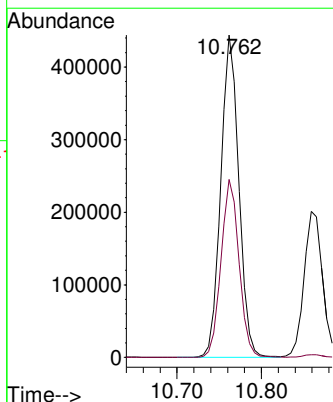
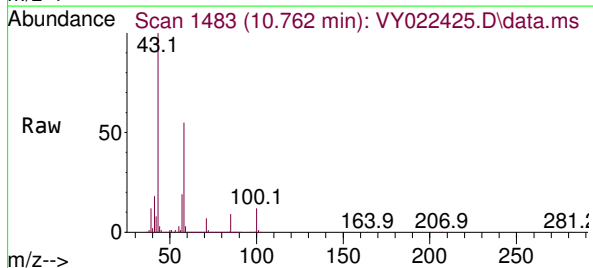
#59
2-Hexanone
Concen: 563.900 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 66098
Ion Ratio Lower Upper
43 100
58 55.2 27.1 81.2

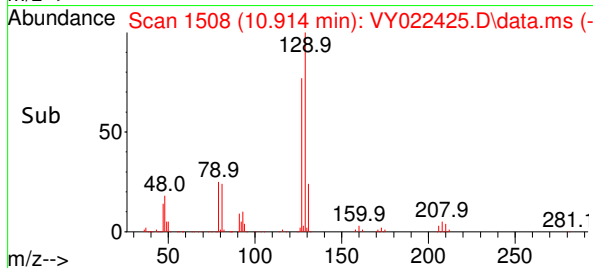
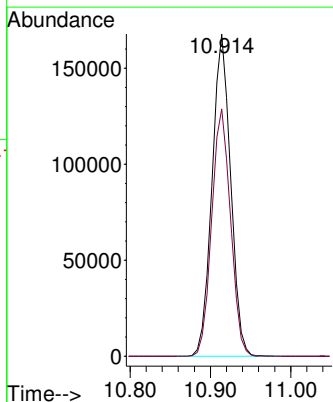
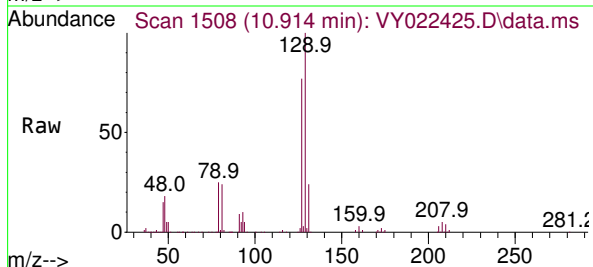
Manual Integrations
APPROVED

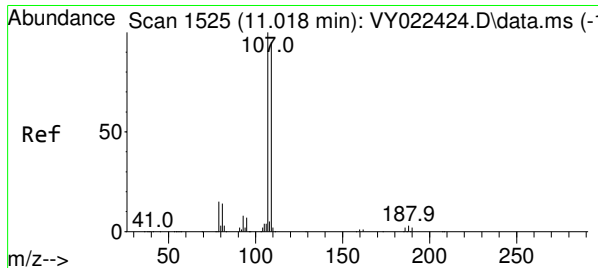
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#60
Dibromochloromethane
Concen: 109.221 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:129 Resp: 268919
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.8





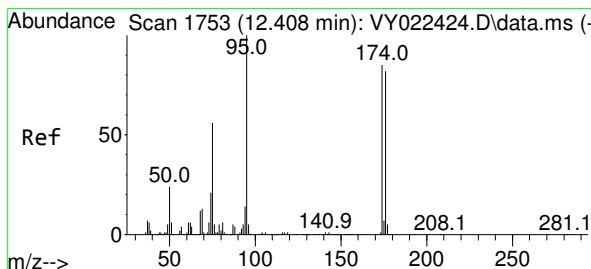
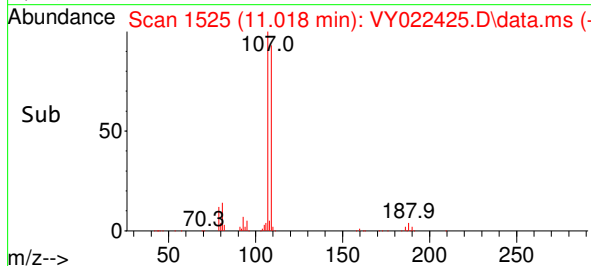
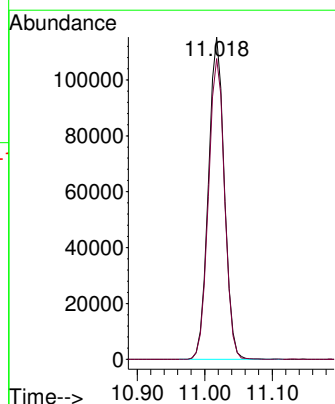
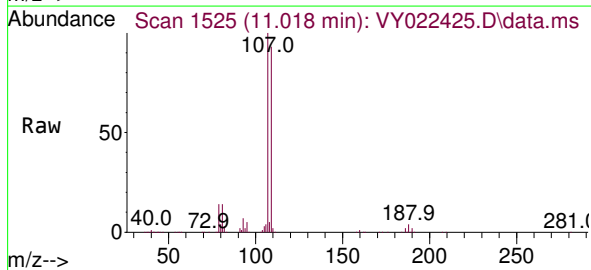
#61
1,2-Dibromoethane
Concen: 106.485 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 107 Resp: 18772
Ion Ratio Lower Upper
107 100
109 94.6 74.0 111.6

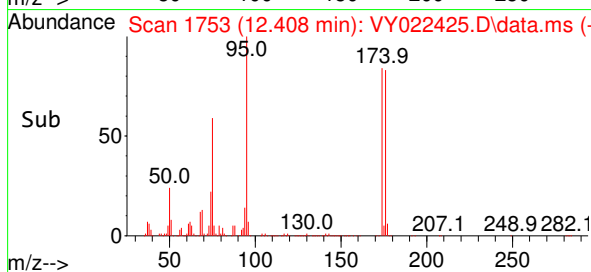
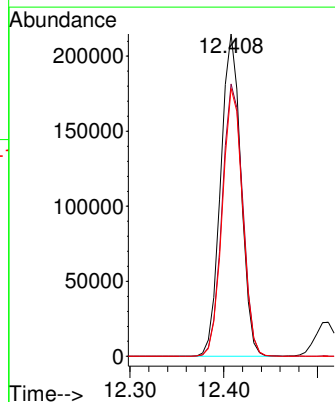
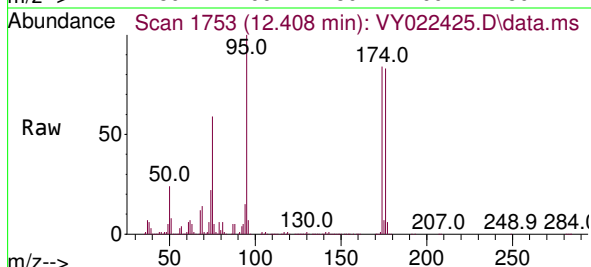
Manual Integrations
APPROVED

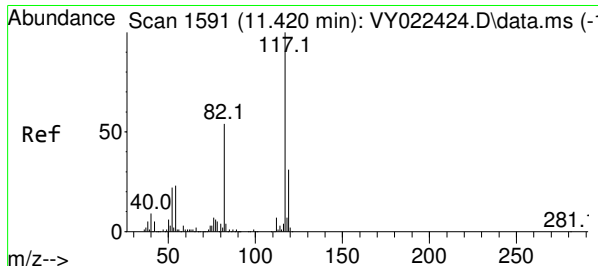
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#62
4-Bromofluorobenzene
Concen: 105.861 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 95 Resp: 321108
Ion Ratio Lower Upper
95 100
174 85.7 0.0 171.6
176 82.9 0.0 164.6





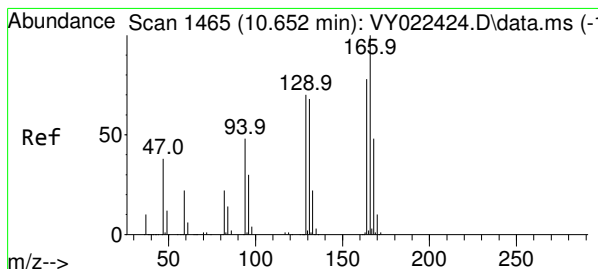
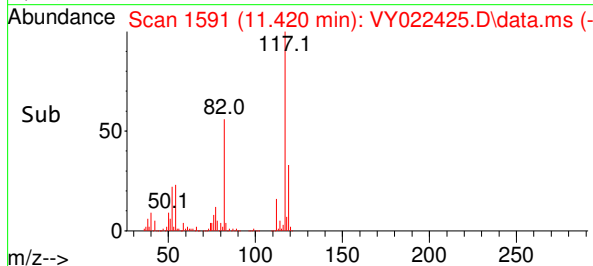
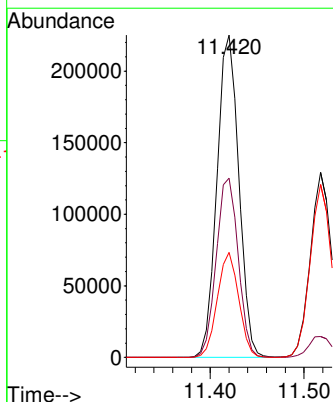
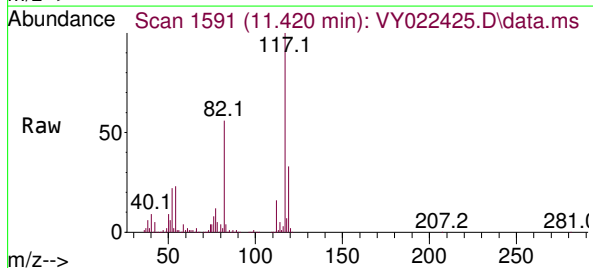
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.3	64.9
119	32.5	24.5	36.7

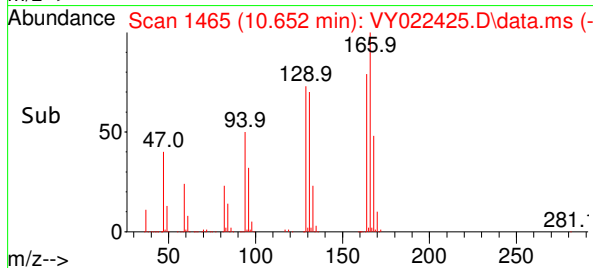
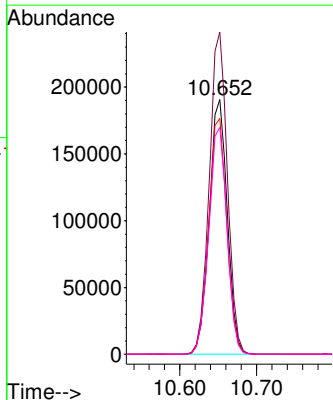
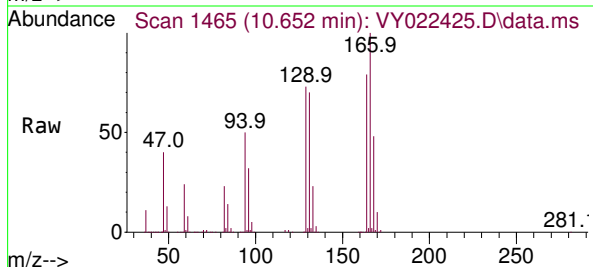
Manual Integrations
APPROVED

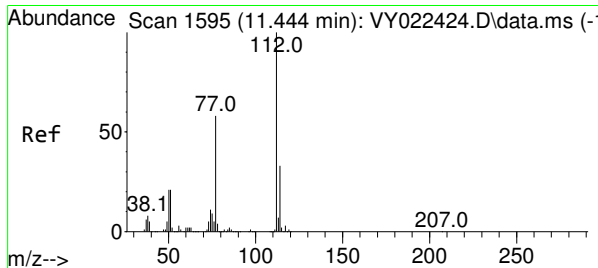
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#64
Tetrachloroethene
Concen: 100.828 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.0	153.0
129	92.5	71.3	106.9
131	89.1	69.4	104.0





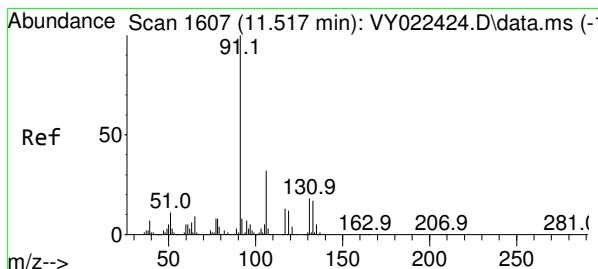
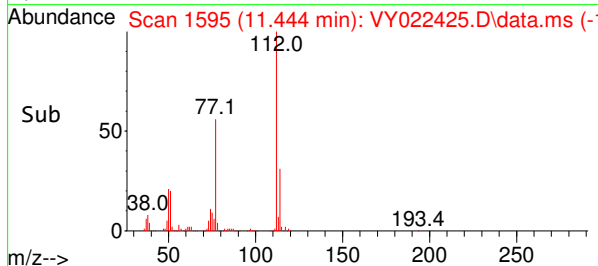
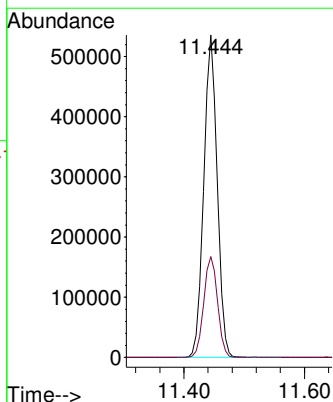
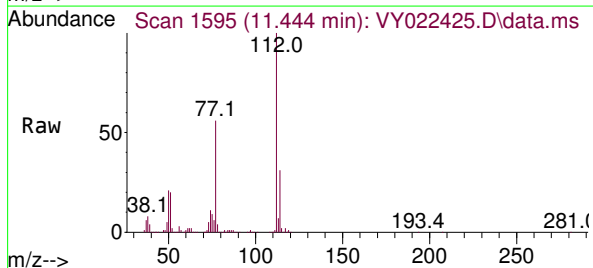
#65
Chlorobenzene
Concen: 106.209 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 82468
Ion Ratio Lower Upper
112 100
114 31.3 26.1 39.1

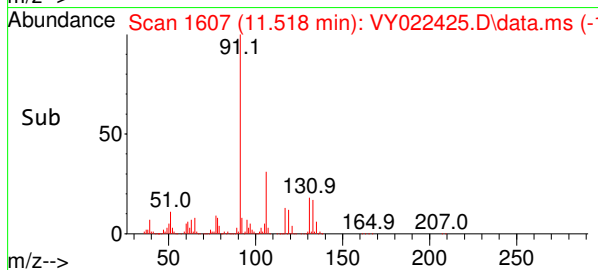
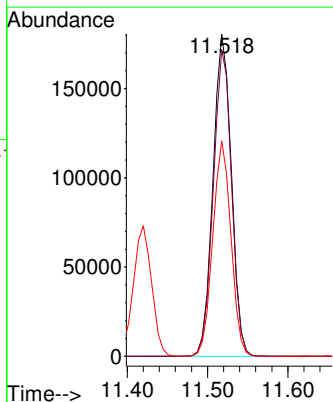
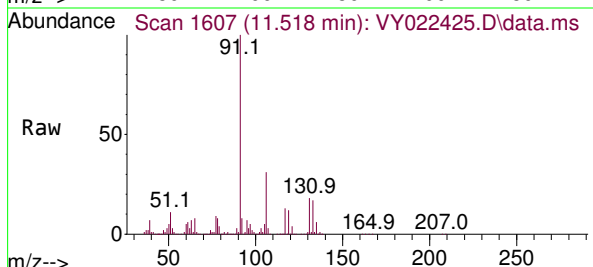
Manual Integrations
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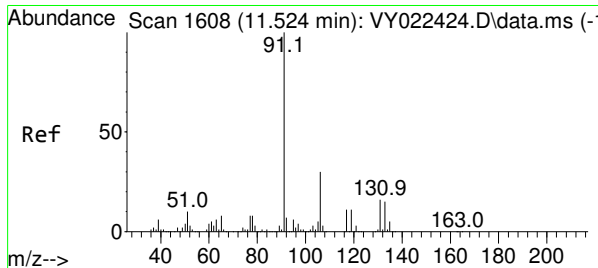
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 108.640 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:131 Resp: 285811
Ion Ratio Lower Upper
131 100
133 94.9 46.6 139.8
119 66.3 33.3 99.8





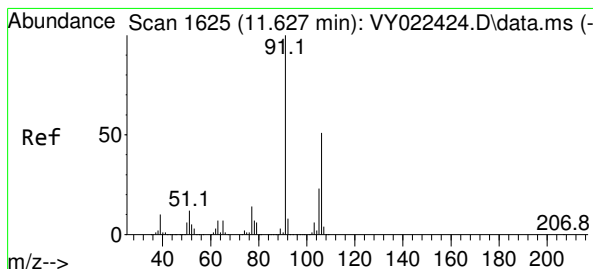
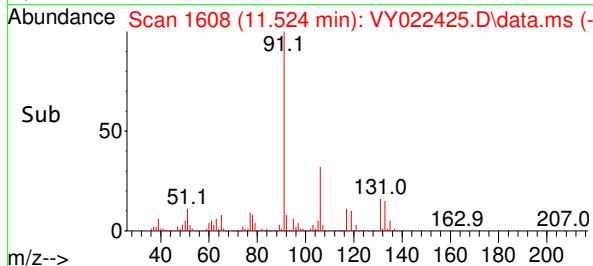
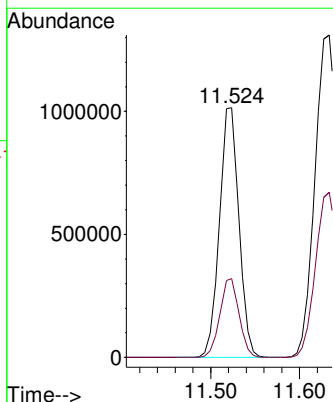
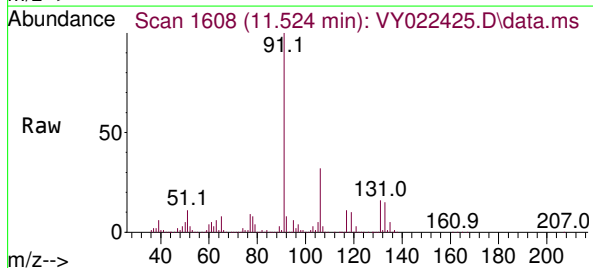
#67
Ethyl Benzene
Concen: 108.210 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 156011
Ion Ratio Lower Upper
91 100
106 31.6 24.4 36.6

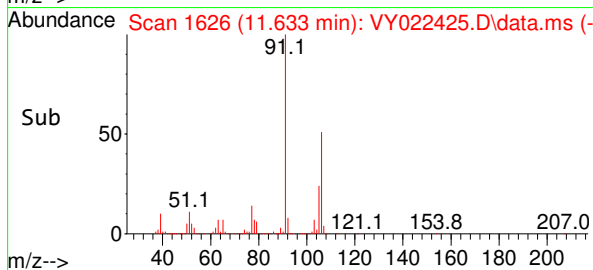
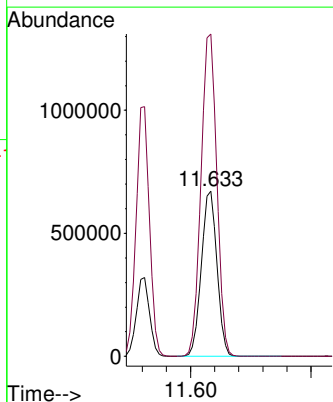
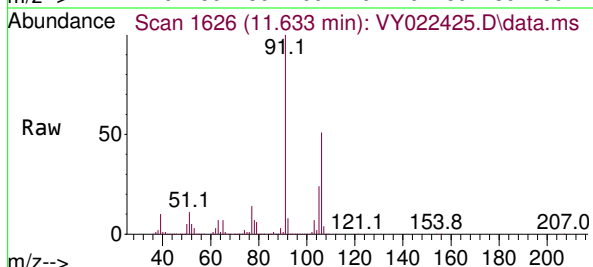
Manual Integrations
APPROVED

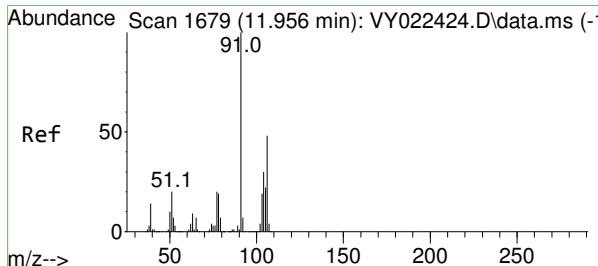
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#68
m/p-Xylenes
Concen: 219.811 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:106 Resp: 1201541
Ion Ratio Lower Upper
106 100
91 198.0 159.8 239.8





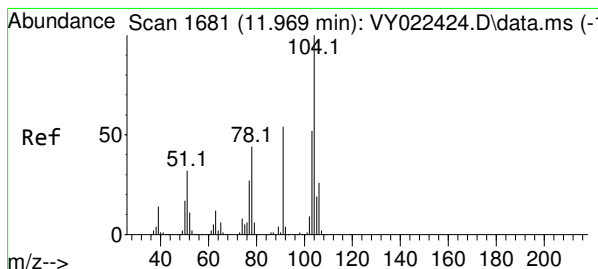
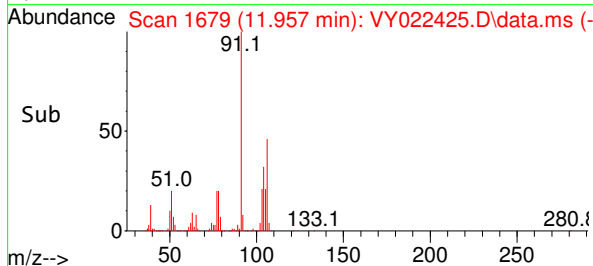
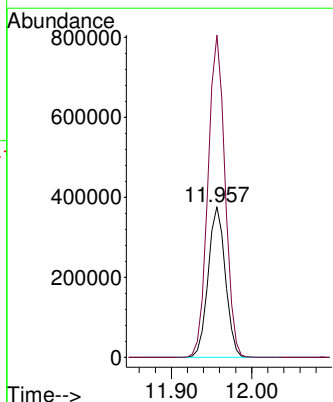
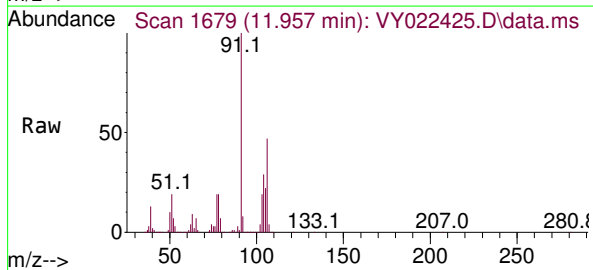
#69
o-Xylene
Concen: 108.917 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 55955
Ion Ratio Lower Upper
106 100
91 212.1 106.3 318.9

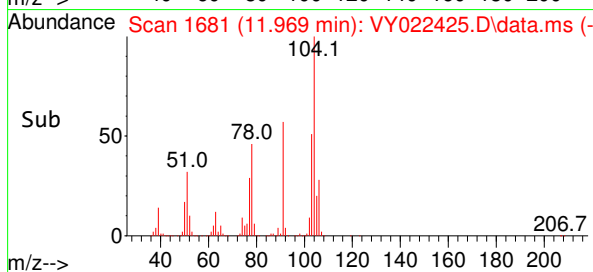
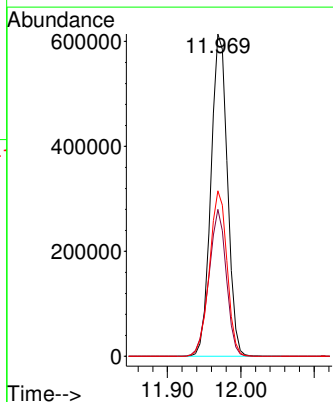
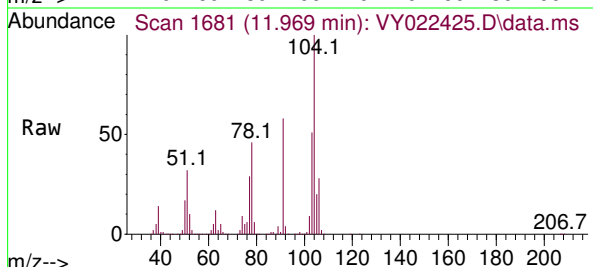
Manual Integrations
APPROVED

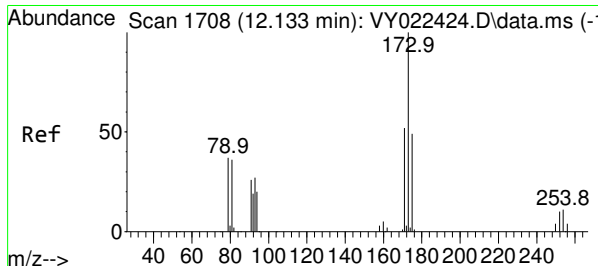
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#70
Styrene
Concen: 112.144 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:104 Resp: 959318
Ion Ratio Lower Upper
104 100
78 48.1 38.8 58.2
103 54.6 43.4 65.2





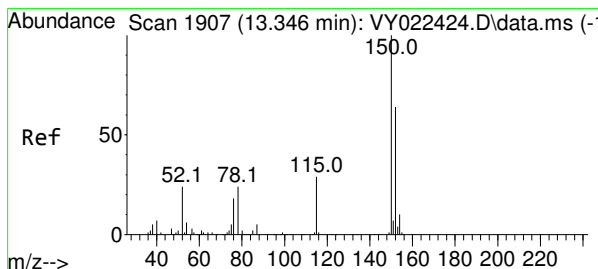
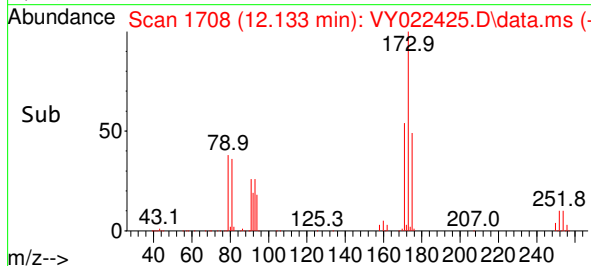
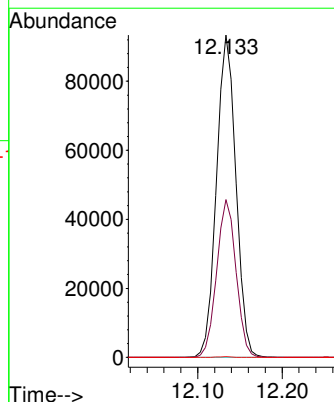
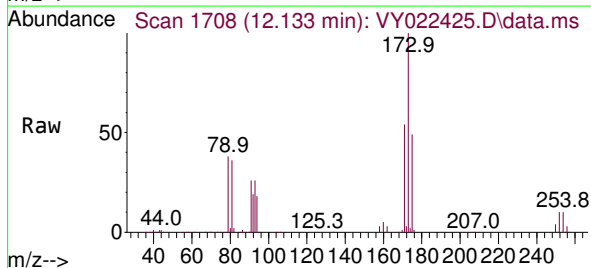
#71
Bromoform
Concen: 108.623 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.2	0.1	0.1

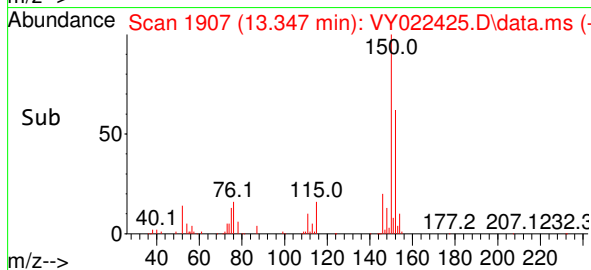
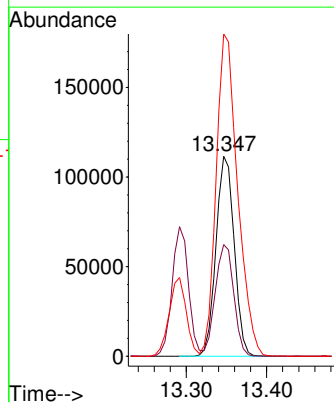
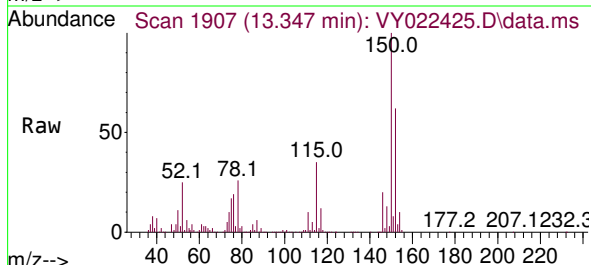
Manual Integrations
APPROVED

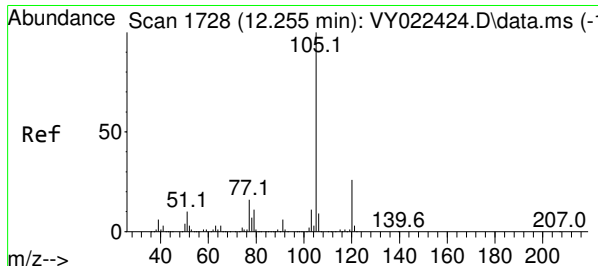
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.4	85.3
150	190.1	0.0	345.8





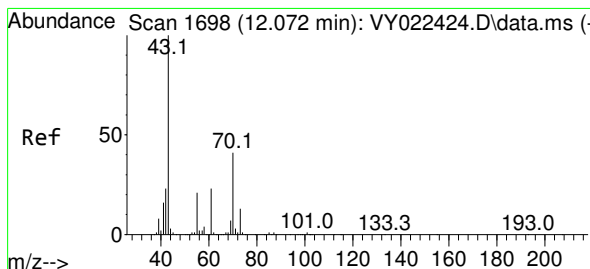
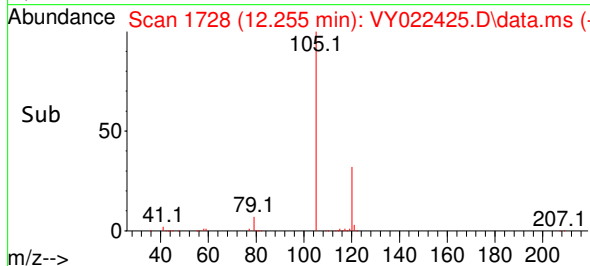
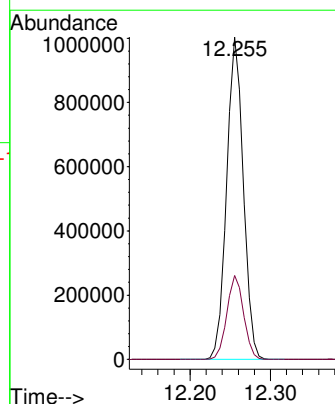
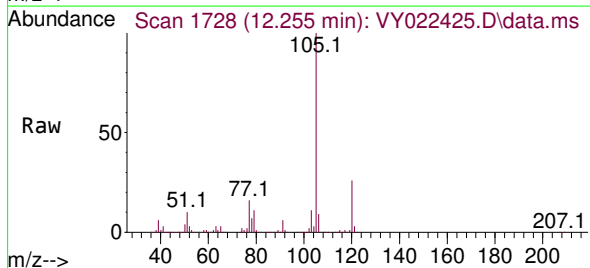
#73
Isopropylbenzene
Concen: 104.314 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 105 Resp: 144031
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5

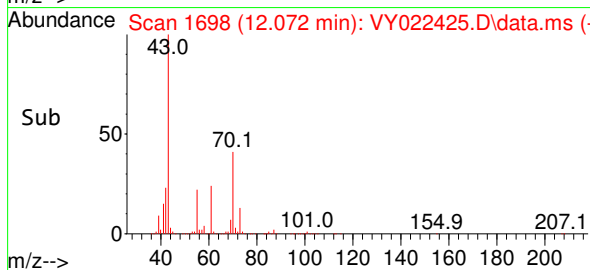
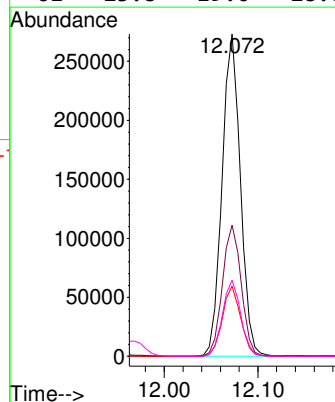
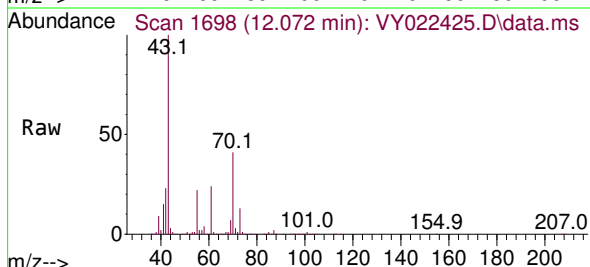
Manual Integrations
APPROVED

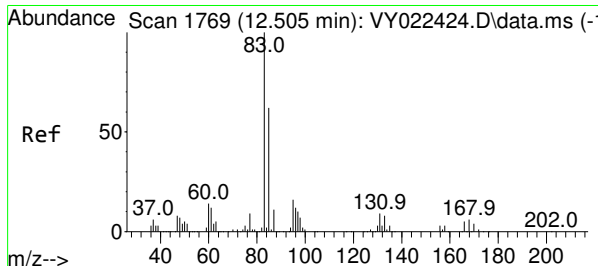
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#74
N-ethyl acetate
Concen: 109.087 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 368563
Ion Ratio Lower Upper
43 100
70 41.8 33.0 49.4
55 21.8 17.5 26.3
61 23.8 19.0 28.6





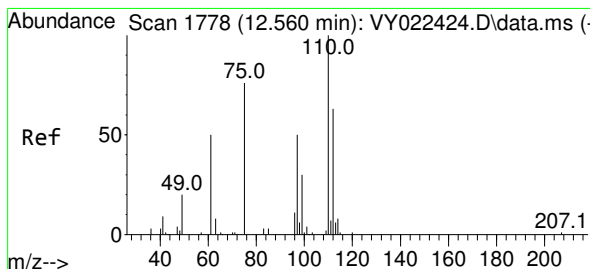
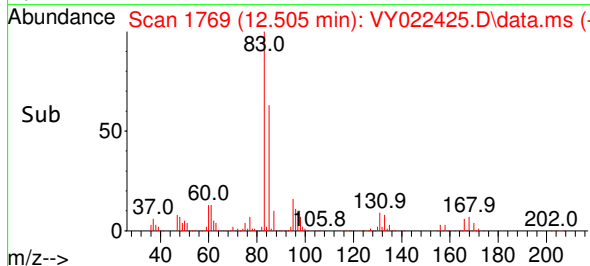
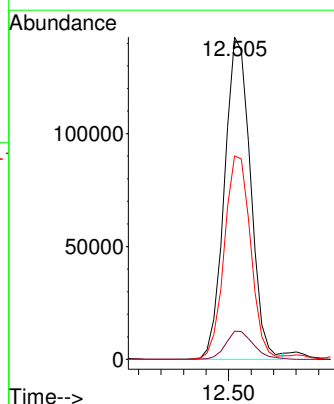
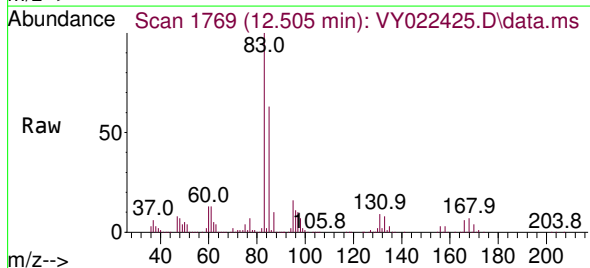
#75
1,1,2,2-Tetrachloroethane
Concen: 105.191 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.1	32.0	96.2

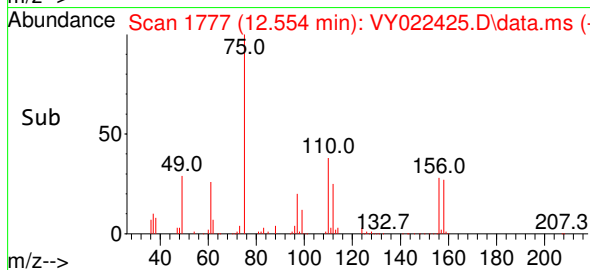
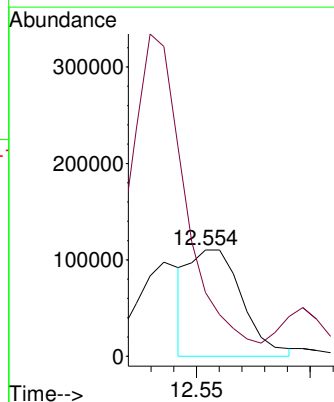
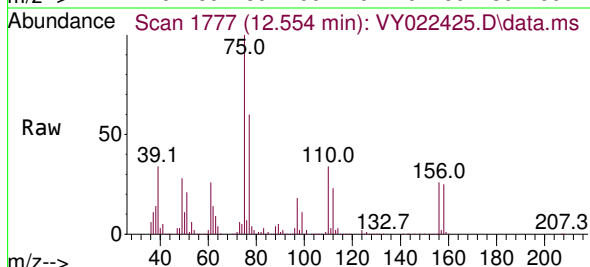
Manual Integrations
APPROVED

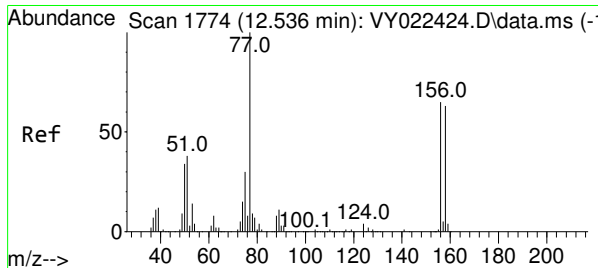
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#76
1,2,3-Trichloropropane
Concen: 61.586 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





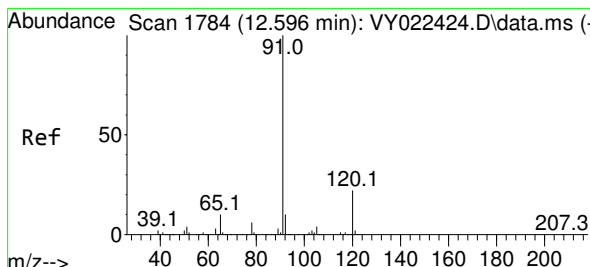
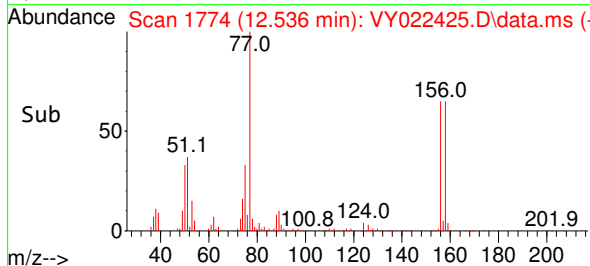
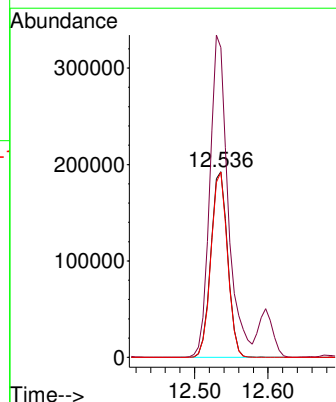
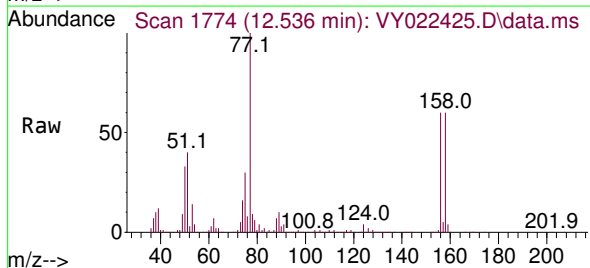
#77
Bromobenzene
Concen: 102.933 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 30584
Ion Ratio Lower Upper
156 100
77 188.3 91.4 274.2
158 98.0 48.1 144.3

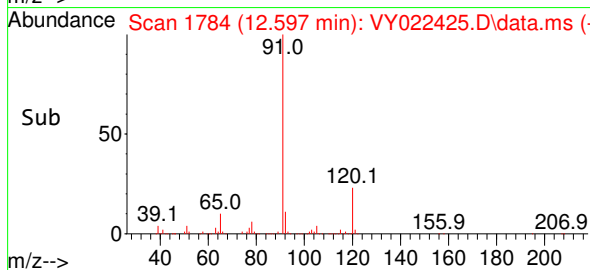
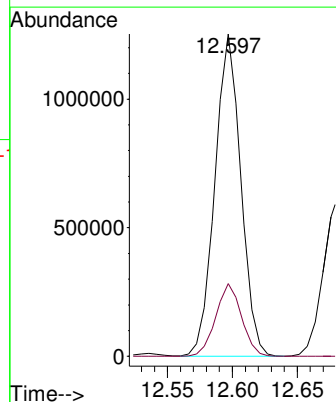
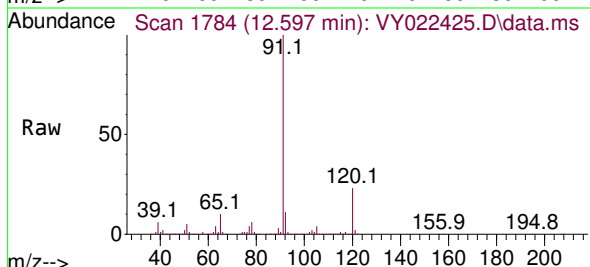
Manual Integrations
APPROVED

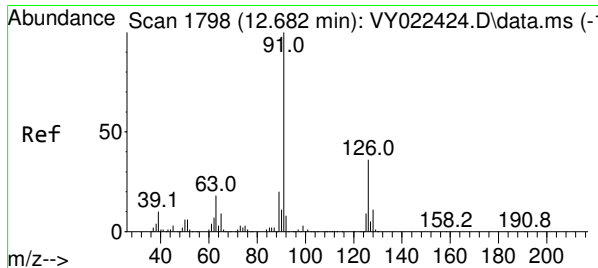
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#78
n-propylbenzene
Concen: 104.859 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 91 Resp: 1737515
Ion Ratio Lower Upper
91 100
120 22.5 11.2 33.5





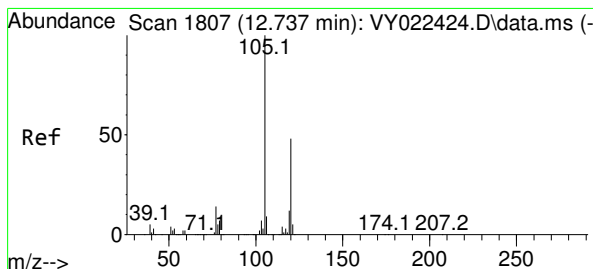
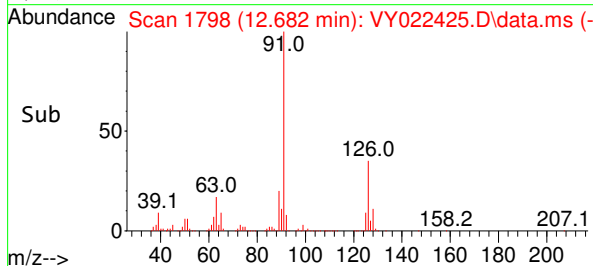
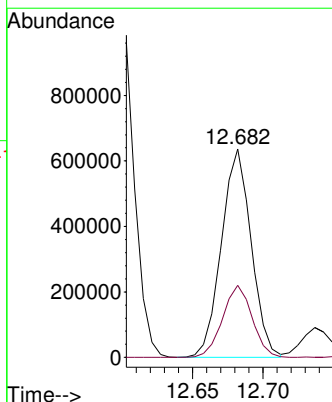
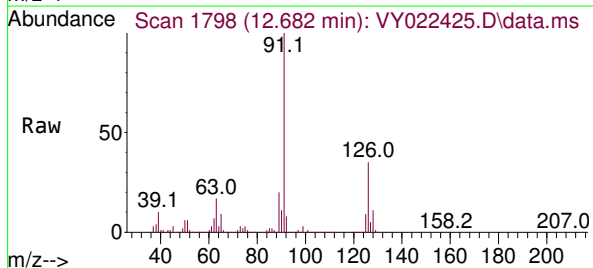
#79
2-Chlorotoluene
Concen: 104.209 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument : MSVOA_Y
ClientSampleId : VSTDIC100

Tgt Ion: 91 Resp: 93471
Ion Ratio Lower Upper
91 100
126 34.4 17.4 52.3

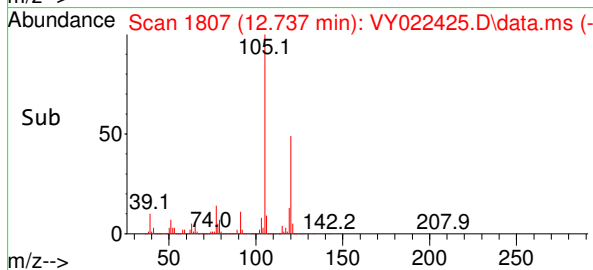
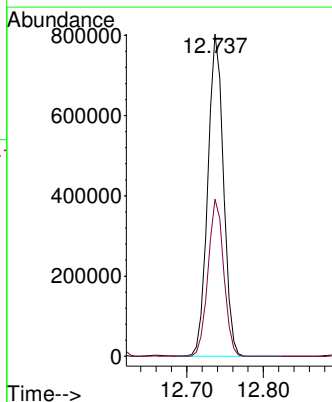
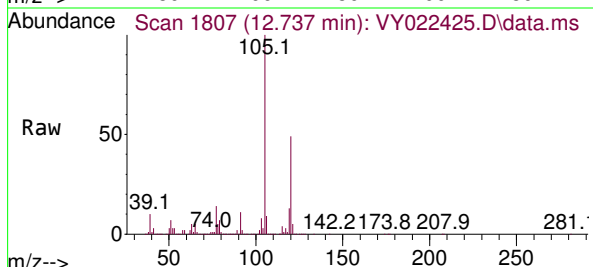
Manual Integrations
APPROVED

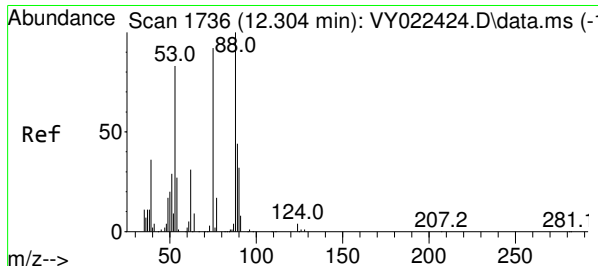
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 105.961 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:105 Resp: 1143145
Ion Ratio Lower Upper
105 100
120 48.9 24.3 73.0





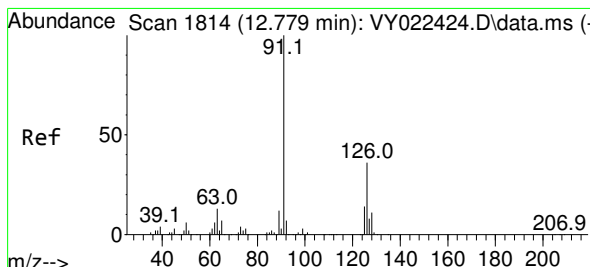
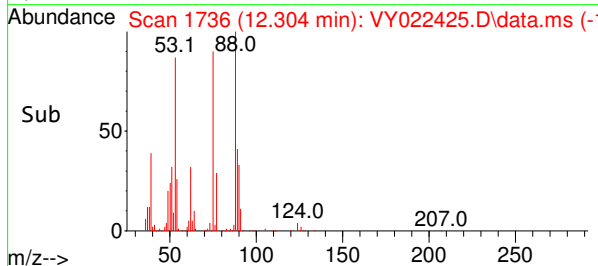
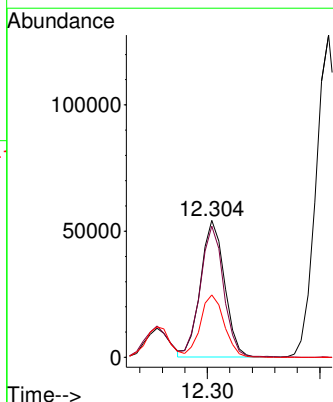
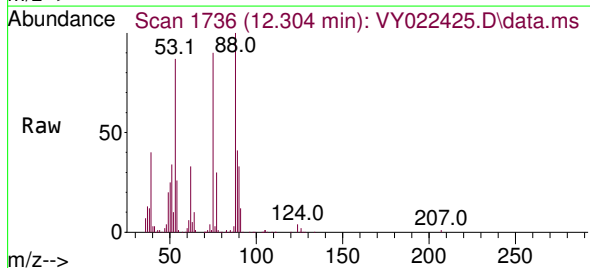
#81
trans-1,4-Dichloro-2-butene
Concen: 103.668 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 8055
Ion Ratio Lower Upper
75 100
53 94.1 75.1 112.7
89 45.2 37.4 56.6

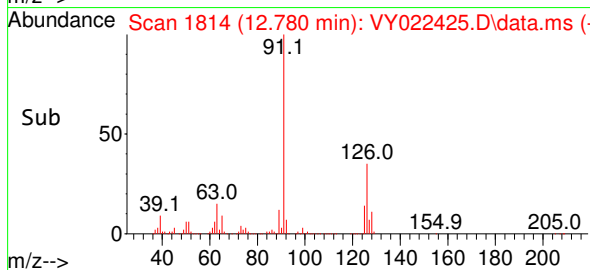
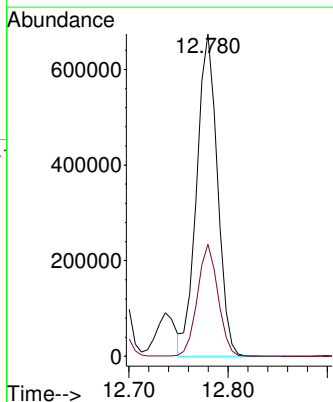
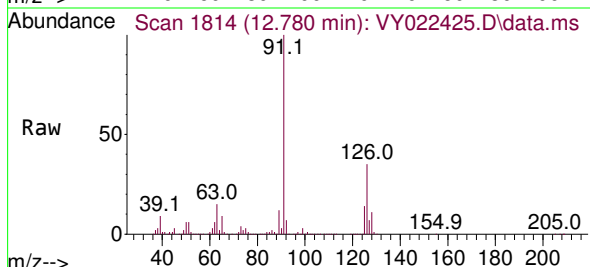
Manual Integrations
APPROVED

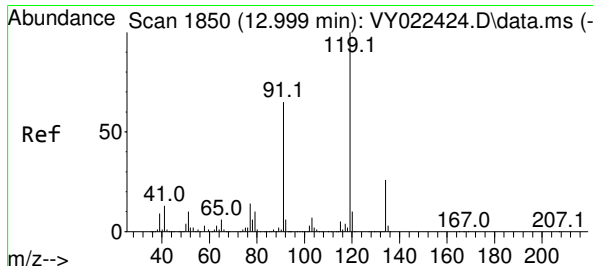
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#82
4-Chlorotoluene
Concen: 105.314 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 91 Resp: 972892
Ion Ratio Lower Upper
91 100
126 34.6 17.2 51.6





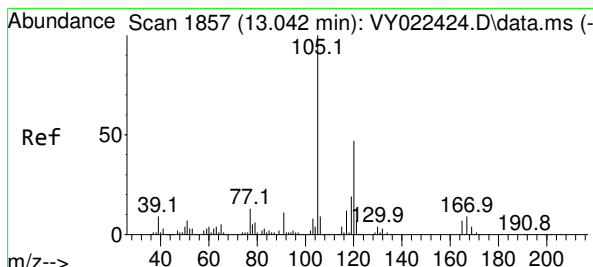
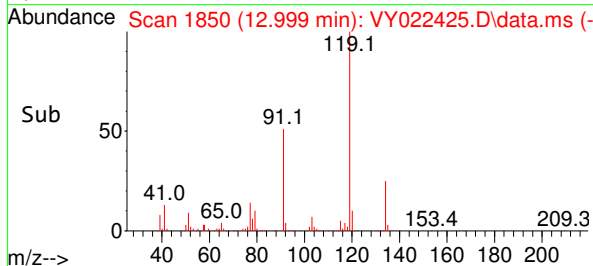
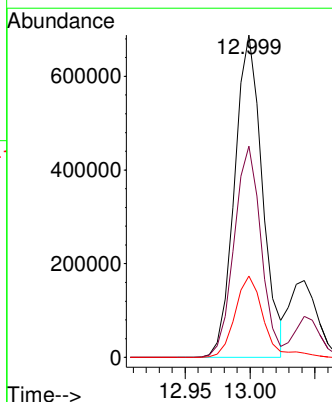
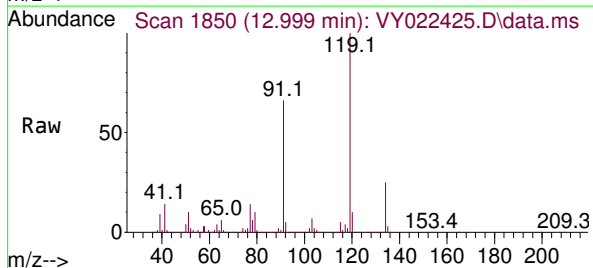
#83
tert-Butylbenzene
Concen: 105.025 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 102376
Ion Ratio Lower Upper
119 100
91 63.5 31.8 95.3
134 26.0 13.0 38.9

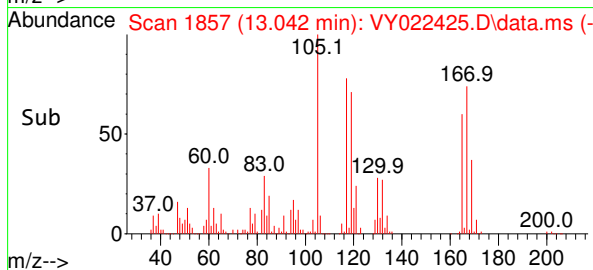
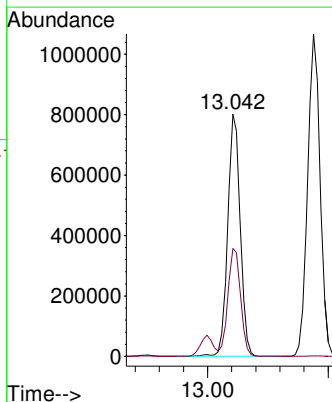
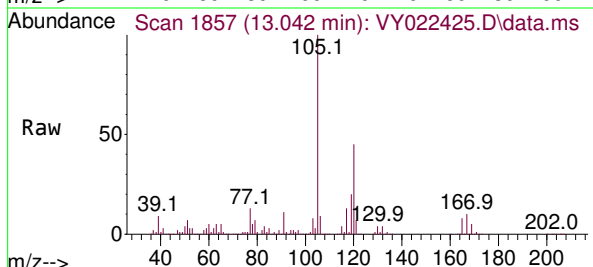
Manual Integrations
APPROVED

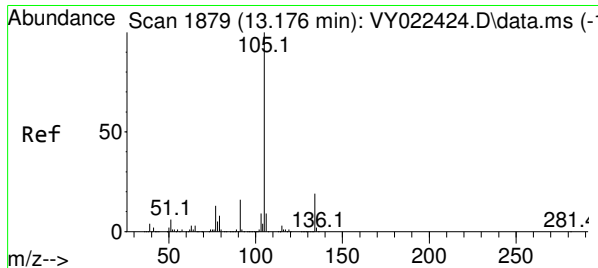
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 106.843 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:105 Resp: 1159943
Ion Ratio Lower Upper
105 100
120 45.3 22.9 68.5





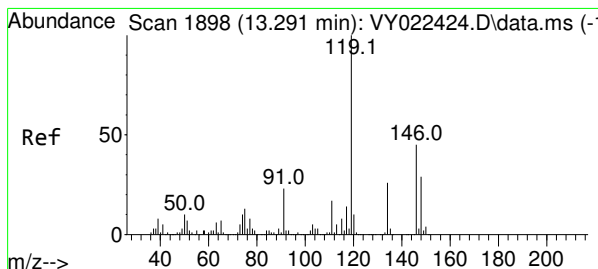
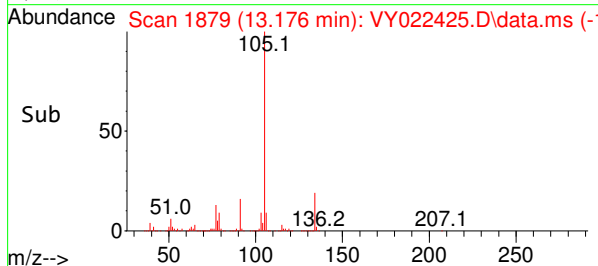
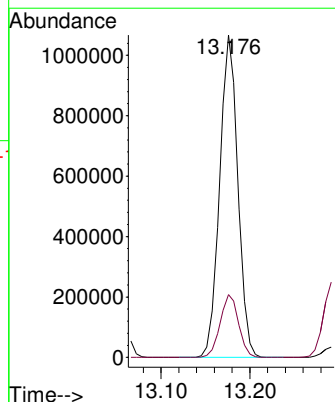
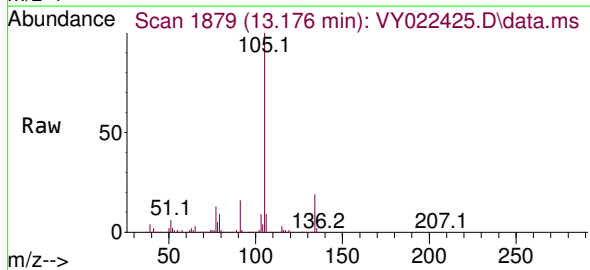
#85
sec-Butylbenzene
Concen: 105.741 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 152852
Ion Ratio Lower Upper
105 100
134 19.7 9.7 29.1

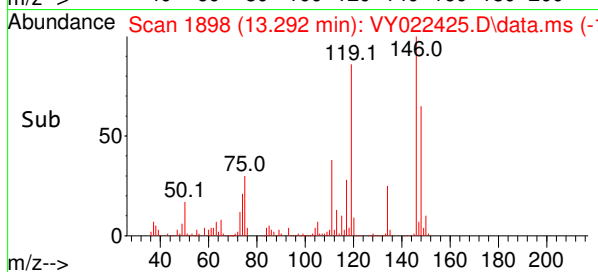
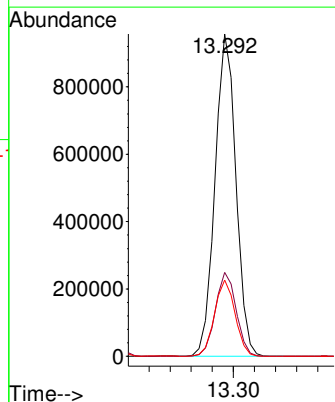
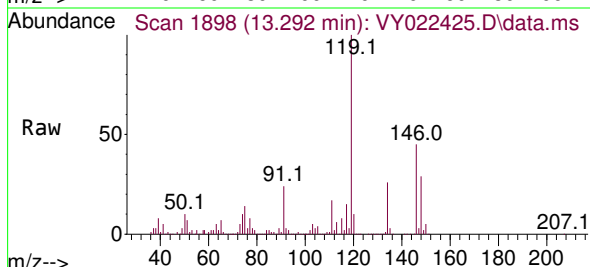
Manual Integrations
APPROVED

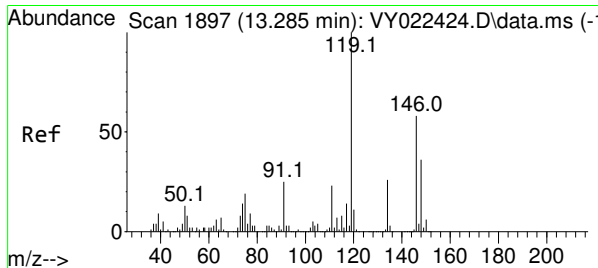
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#86
p-Isopropyltoluene
Concen: 109.402 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:119 Resp: 1320591
Ion Ratio Lower Upper
119 100
134 26.0 13.0 39.0
91 23.3 11.6 34.8





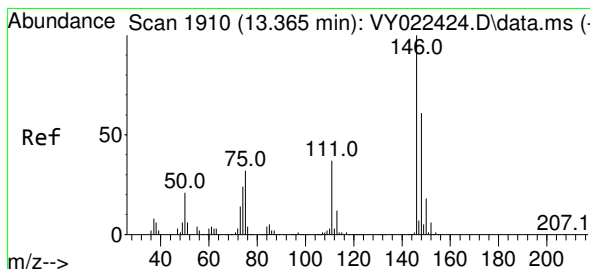
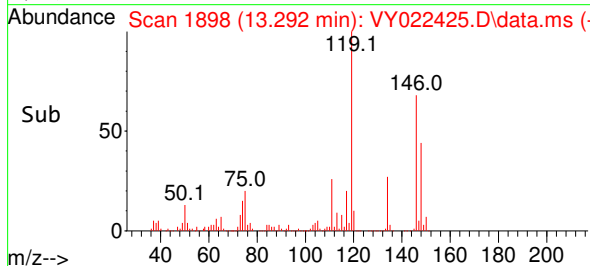
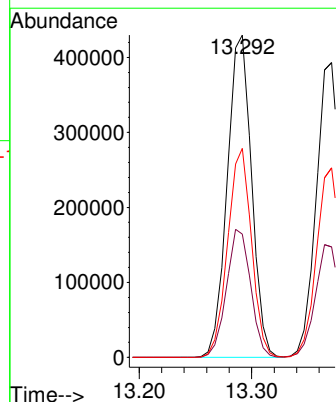
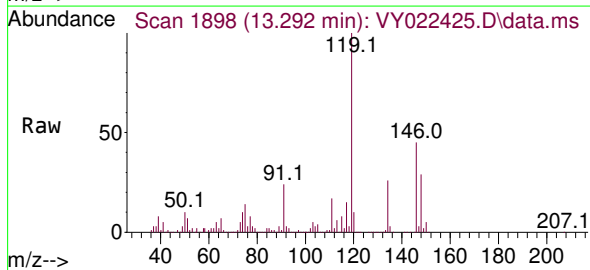
#87
1,3-Dichlorobenzene
Concen: 107.749 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:	146	Resp:	64418
Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	63.5	31.7	95.1

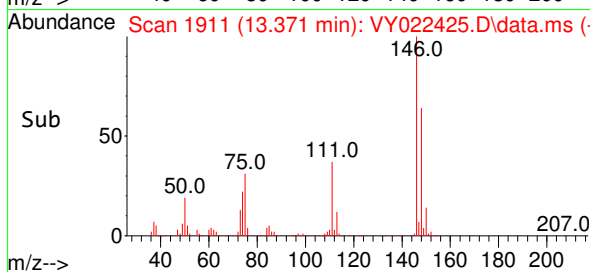
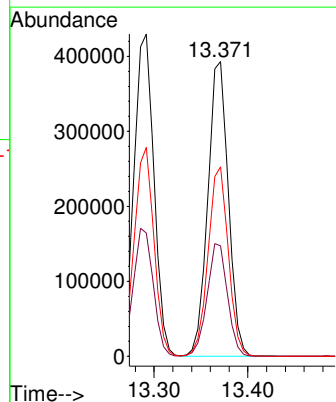
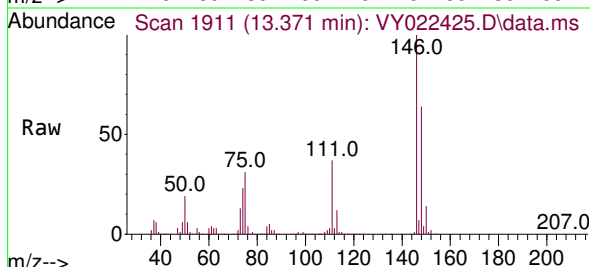
Manual Integrations
APPROVED

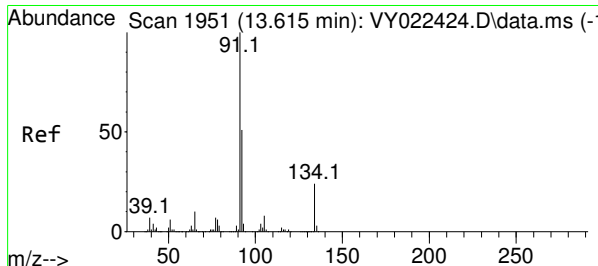
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#88
1,4-Dichlorobenzene
Concen: 104.800 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:	146	Resp:	599095
Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	63.4	31.4	94.3





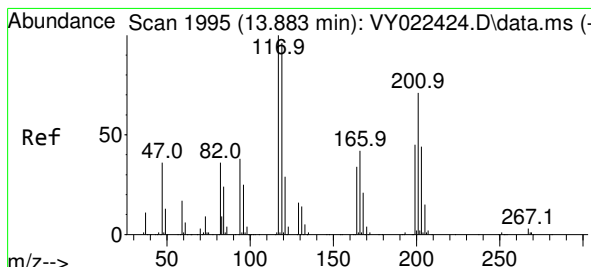
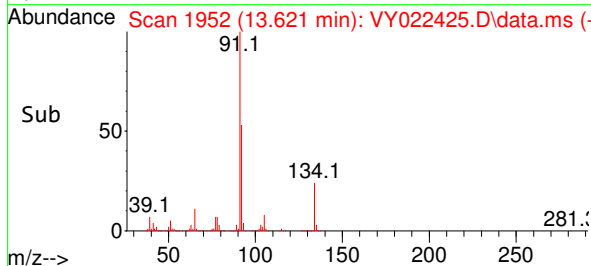
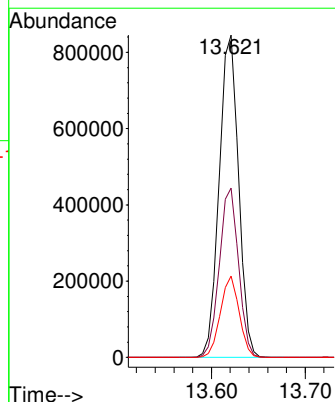
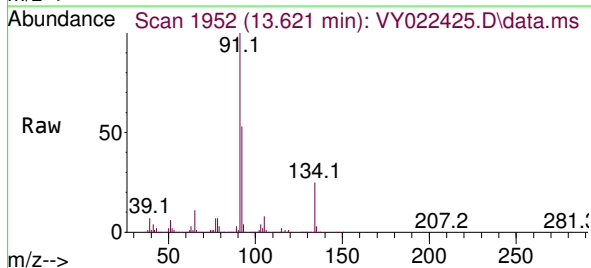
#89
n-Butylbenzene
Concen: 106.731 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 120797
Ion Ratio Lower Upper
91 100
92 52.2 25.9 77.6
134 24.4 12.4 37.6

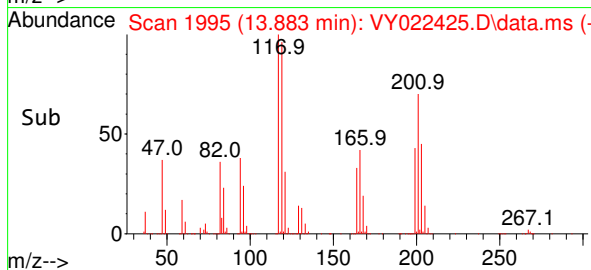
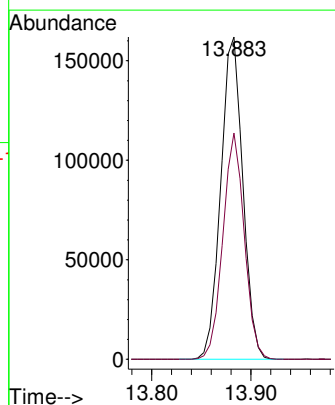
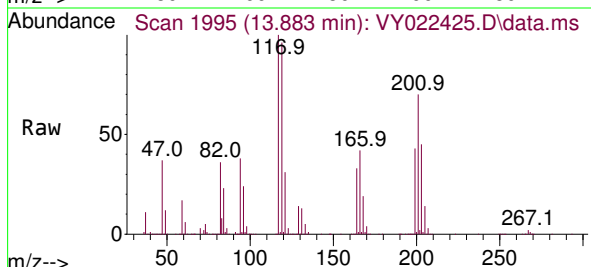
Manual Integrations
APPROVED

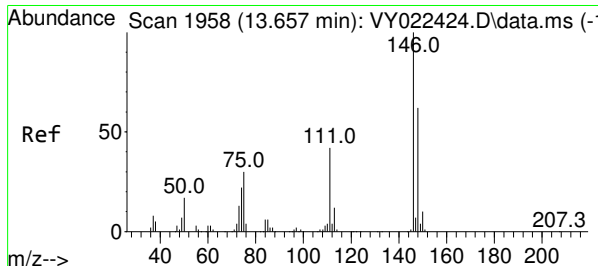
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#90
Hexachloroethane
Concen: 104.776 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:117 Resp: 251685
Ion Ratio Lower Upper
117 100
201 68.2 35.0 105.0





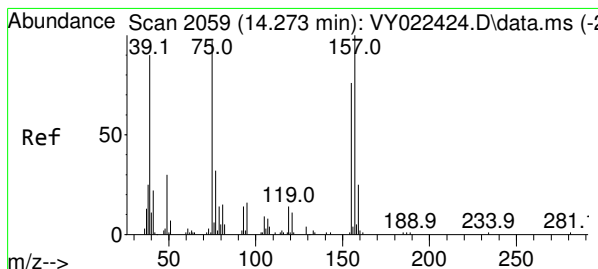
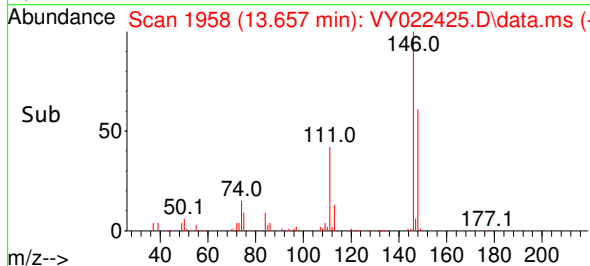
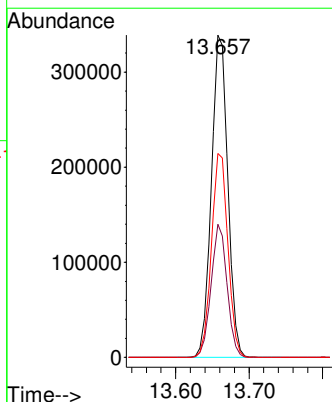
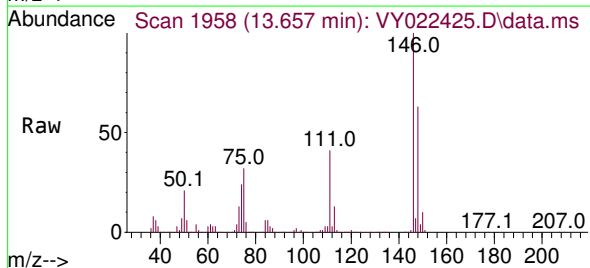
#91
1,2-Dichlorobenzene
Concen: 105.034 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.6
148	63.5	31.9	95.9

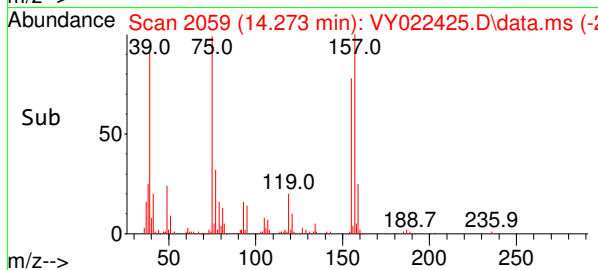
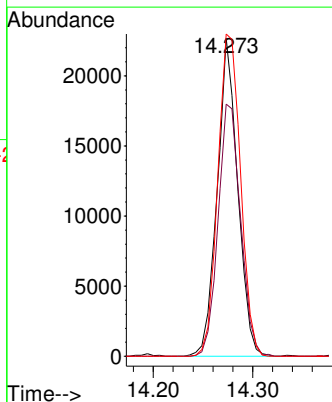
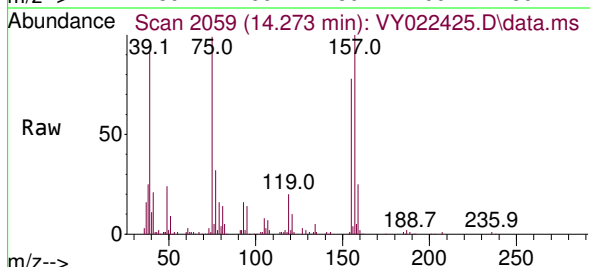
Manual Integrations
APPROVED

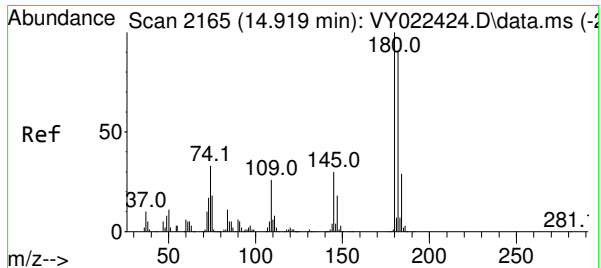
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 97.318 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	42.3	126.8
157	112.3	54.4	163.3





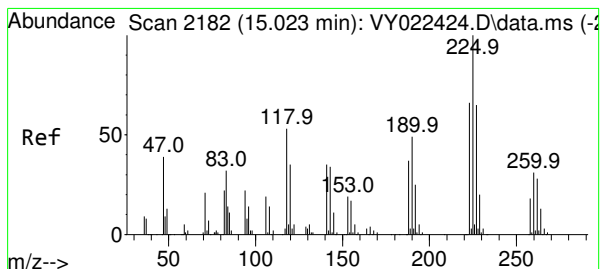
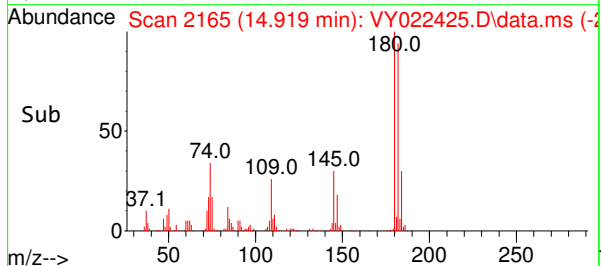
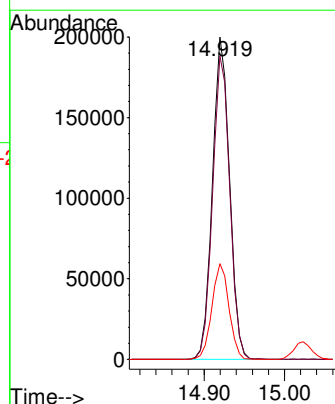
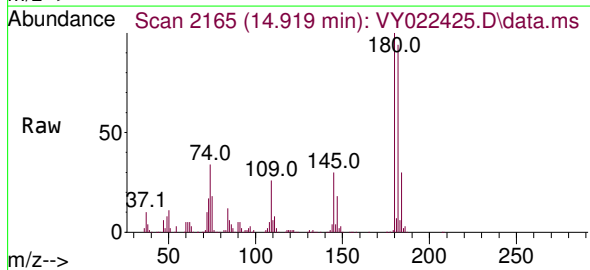
#93
1,2,4-Trichlorobenzene
Concen: 106.731 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.2	138.6
145	29.7	14.2	42.8

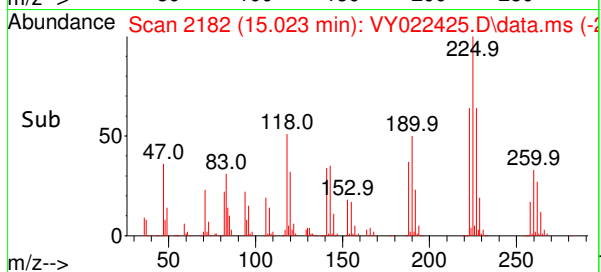
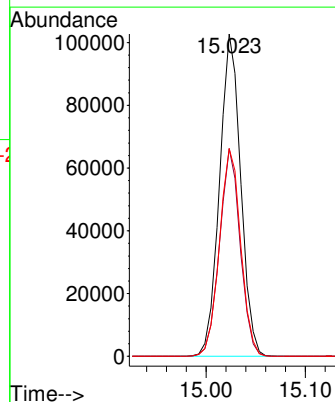
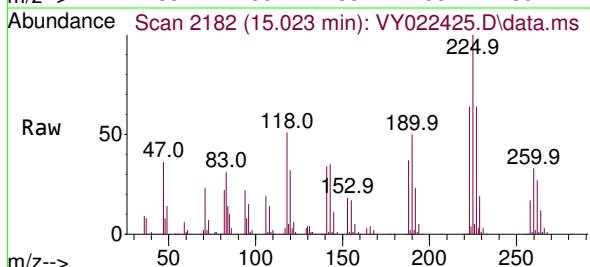
Manual Integrations
APPROVED

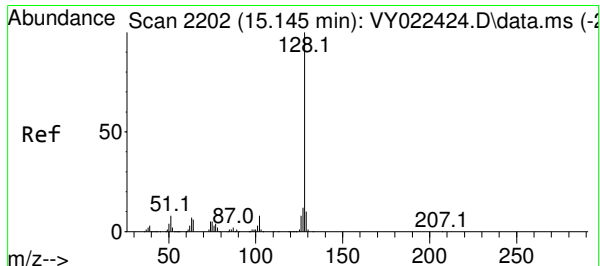
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#94
Hexachlorobutadiene
Concen: 105.350 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.6	97.7
227	64.7	33.0	99.0





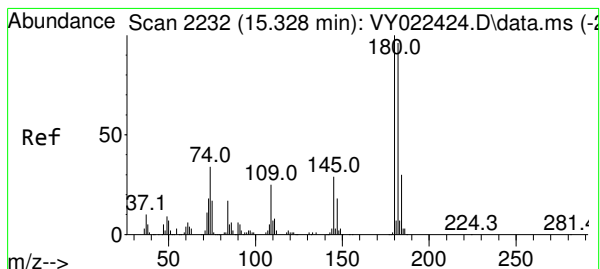
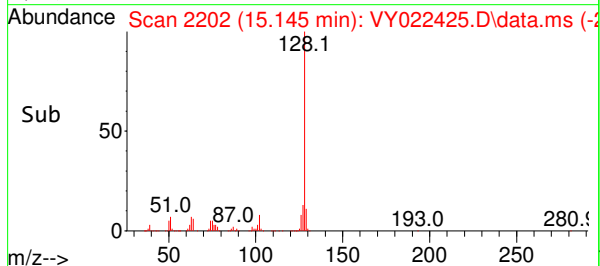
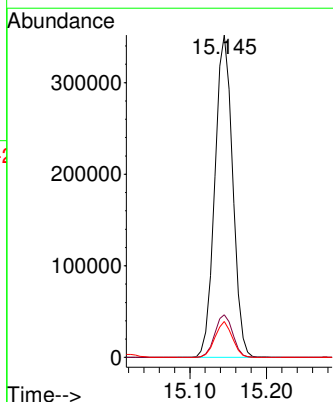
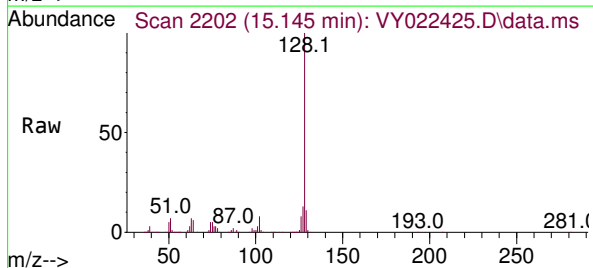
#95
Naphthalene
Concen: 111.021 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 56818
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 10.8 8.5 12.7

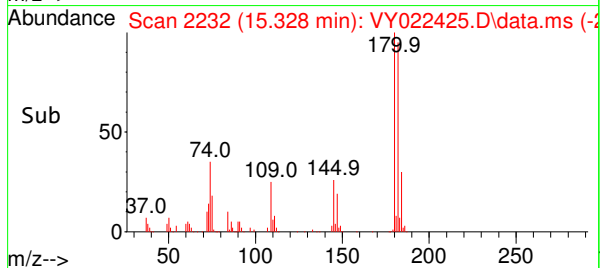
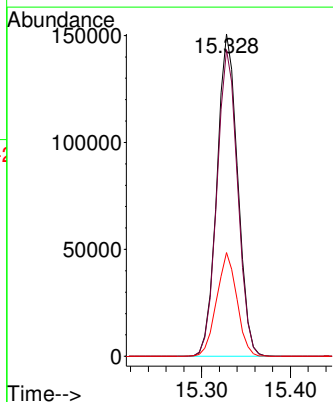
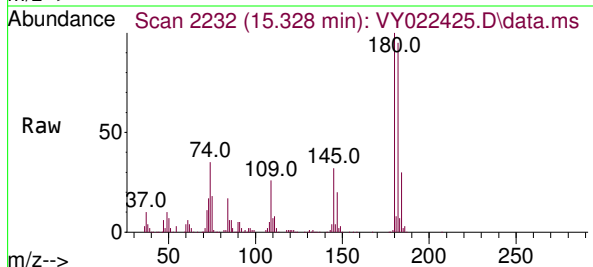
Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 108.638 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:180 Resp: 246652
Ion Ratio Lower Upper
180 100
182 95.0 48.1 144.3
145 31.4 14.9 44.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022426.D
 Acq On : 27 May 2025 10:44
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:05:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	261566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	431909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	376608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	182671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	422539	153.366	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 306.740%#			
35) Dibromofluoromethane	7.640	113	398438	157.523	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 315.040%#			
50) Toluene-d8	10.109	98	1621564	157.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 314.520%#			
62) 4-Bromofluorobenzene	12.408	95	487100	156.173	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 312.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	336978	135.034	ug/l	98
3) Chloromethane	2.068	50	715868	116.621	ug/l	97
4) Vinyl Chloride	2.208	62	986607	132.303	ug/l	99
5) Bromomethane	2.586	94	1055313	155.728	ug/l	99
6) Chloroethane	2.732	64	711645	146.039	ug/l	100
7) Trichlorofluoromethane	3.050	101	935844	148.741	ug/l	99
8) Diethyl Ether	3.458	74	220632	152.083	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	401637	145.505	ug/l	99
10) Methyl Iodide	4.007	142	499602	160.432	ug/l	99
11) Tert butyl alcohol	4.878	59	150306	773.955	ug/l	98
12) 1,1-Dichloroethene	3.793	96	404241	147.508	ug/l	98
13) Acrolein	3.653	56	224761	772.427	ug/l	99
14) Allyl chloride	4.385	41	634755	153.977	ug/l	99
15) Acrylonitrile	5.067	53	455189	778.419	ug/l	99
16) Acetone	3.873	43	327320	722.994	ug/l #	85
17) Carbon Disulfide	4.110	76	1295027	148.080	ug/l	100
18) Methyl Acetate	4.385	43	300253	177.047	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	1134189	155.888	ug/l	100
20) Methylene Chloride	4.616	84	426225	133.322	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	456846	152.698	ug/l	99
22) Diisopropyl ether	6.025	45	1404193	154.338	ug/l	96
23) Vinyl Acetate	5.964	43	4042390	773.807	ug/l	100
24) 1,1-Dichloroethane	5.921	63	828730	154.149	ug/l	99
25) 2-Butanone	6.896	43	603839	800.866	ug/l	99
26) 2,2-Dichloropropane	6.890	77	737854	151.572	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	537325	155.137	ug/l	99
28) Bromochloromethane	7.250	49	342656	152.635	ug/l	98
29) Tetrahydrofuran	7.268	42	397295	790.090	ug/l	100
30) Chloroform	7.427	83	814685	153.787	ug/l	98
31) Cyclohexane	7.707	56	730410	137.826	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	737686	153.436	ug/l	100
36) 1,1-Dichloropropene	7.841	75	623501	155.342	ug/l	100
37) Ethyl Acetate	6.988	43	261975	153.581	ug/l	99
38) Carbon Tetrachloride	7.823	117	663867	158.776	ug/l	99
39) Methylcyclohexane	9.109	83	824642	154.561	ug/l	99
40) Benzene	8.085	78	1893003	158.501	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022426.D
 Acq On : 27 May 2025 10:44
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:05:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	171379m	76.337	ug/l	
42) 1,2-Dichloroethane	8.158	62	497991	157.877	ug/l	100
43) Isopropyl Acetate	8.201	43	587308	157.564	ug/l	100
44) Trichloroethene	8.866	130	449921	152.390	ug/l	95
45) 1,2-Dichloropropane	9.146	63	438721	156.346	ug/l	99
46) Dibromomethane	9.231	93	249636	159.252	ug/l	99
47) Bromodichloromethane	9.426	83	639597	158.668	ug/l	98
48) Methyl methacrylate	9.225	41	288821	166.922	ug/l	98
49) 1,4-Dioxane	9.231	88	55890	3228.011	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	1565663	851.310	ug/l	100
52) Toluene	10.170	92	1239585	166.170	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	612236	163.055	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	708367	160.557	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	314785	158.829	ug/l	99
56) Ethyl methacrylate	10.438	69	478765	168.334	ug/l	98
57) 1,3-Dichloropropane	10.719	76	549047	157.203	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1202134	848.088	ug/l	100
59) 2-Hexanone	10.762	43	1032146	856.364	ug/l	99
60) Dibromochloromethane	10.914	129	415432	164.093	ug/l	99
61) 1,2-Dibromoethane	11.018	107	292010	161.091	ug/l	98
64) Tetrachloroethene	10.652	164	466490	145.442	ug/l	99
65) Chlorobenzene	11.444	112	1273300	158.560	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	454374	166.998	ug/l	98
67) Ethyl Benzene	11.518	91	2468130	165.526	ug/l	99
68) m/p-Xylenes	11.633	106	1900132	336.111	ug/l	99
69) o-Xylene	11.956	106	894394	168.335	ug/l	99
70) Styrene	11.969	104	1535004	173.504	ug/l	99
71) Bromoform	12.133	173	237301	166.508	ug/l	# 100
73) Isopropylbenzene	12.255	105	2238981	155.735	ug/l	100
74) N-amyl acetate	12.072	43	561846	159.709	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	357601	157.873	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	280272m	93.124	ug/l	
77) Bromobenzene	12.530	156	484799	156.697	ug/l	98
78) n-propylbenzene	12.597	91	2681276	155.406	ug/l	100
79) 2-Chlorotoluene	12.682	91	1451439	155.407	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1785622	158.958	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	129469	160.016	ug/l	96
82) 4-Chlorotoluene	12.779	91	1513977	157.395	ug/l	100
83) tert-Butylbenzene	12.999	119	1594195	157.076	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1831722	162.038	ug/l	100
85) sec-Butylbenzene	13.176	105	2373216	157.674	ug/l	99
86) p-Isopropyltoluene	13.292	119	2084441	165.843	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	1027086	164.991	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	924346	155.292	ug/l	99
89) n-Butylbenzene	13.621	91	1889271	160.316	ug/l	99
90) Hexachloroethane	13.883	117	386833	154.660	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	812262	156.218	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	52777	150.784	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	468879	162.662	ug/l	98
94) Hexachlorobutadiene	15.023	225	236480	156.325	ug/l	97
95) Naphthalene	15.145	128	915763	171.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	395519	167.307	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022426.D
Acq On : 27 May 2025 10:44
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 :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:05:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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\VY052725\
 Data File : VY022426.D
 Acq On : 27 May 2025 10:44
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025

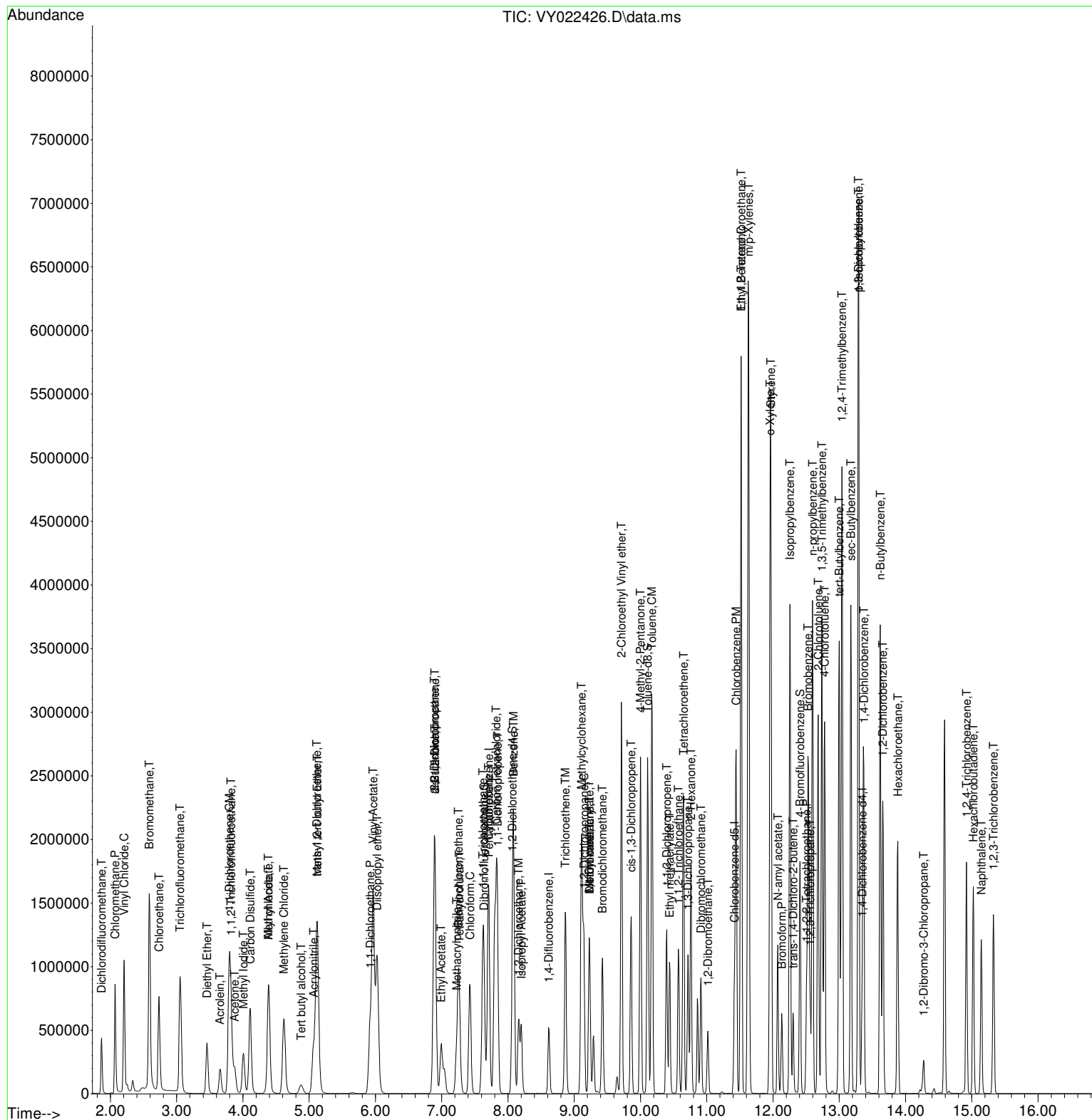
Quant Time: May 28 10:05:06 2025

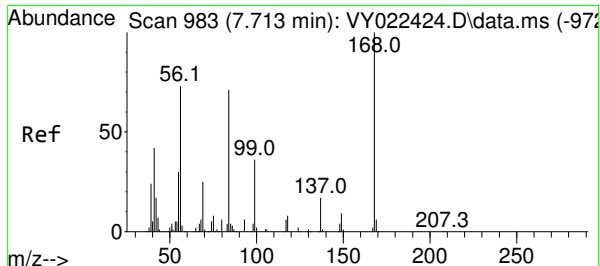
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M

Quant Title : SW846 8260

QLast Update : Wed May 28 09:30:53 2025

Response via : Initial Calibration





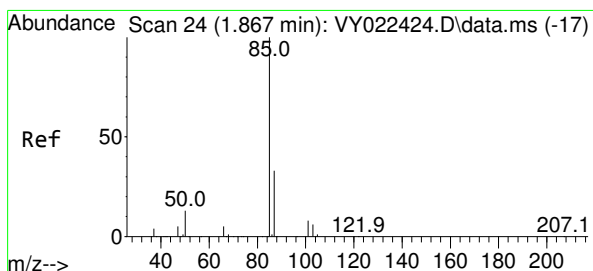
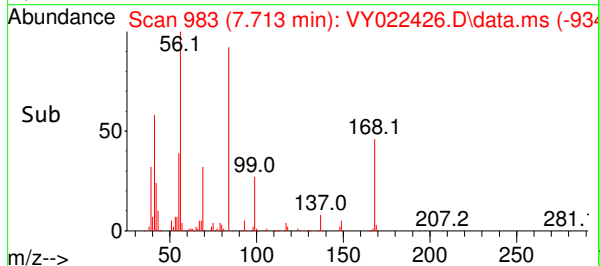
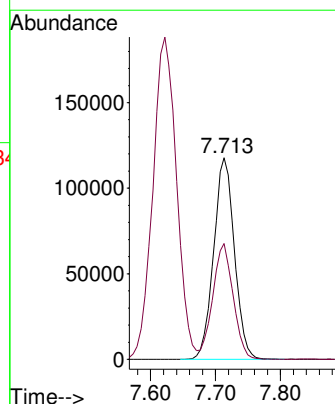
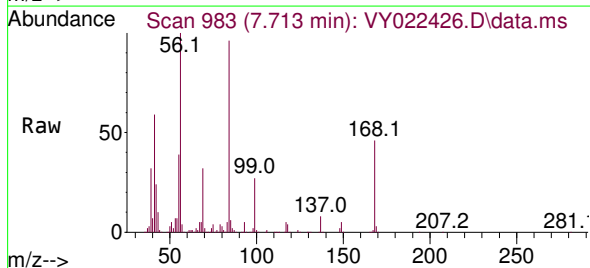
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 26156
Ion Ratio Lower Upper
168 100
99 57.4 44.7 67.1

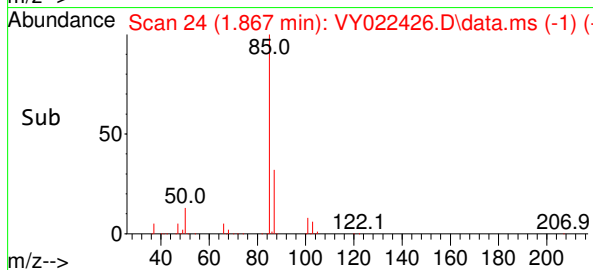
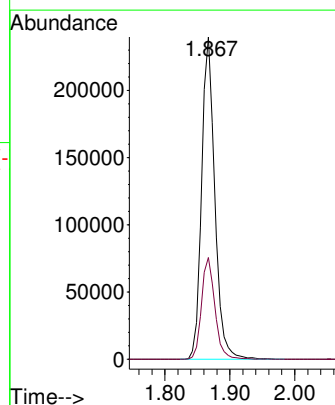
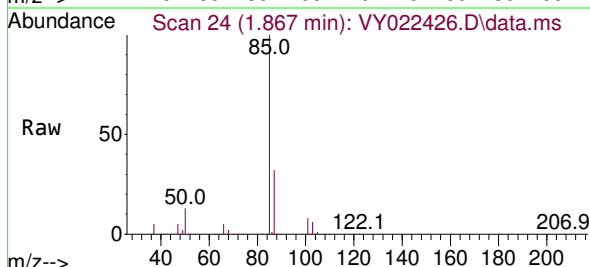
Manual Integrations
APPROVED

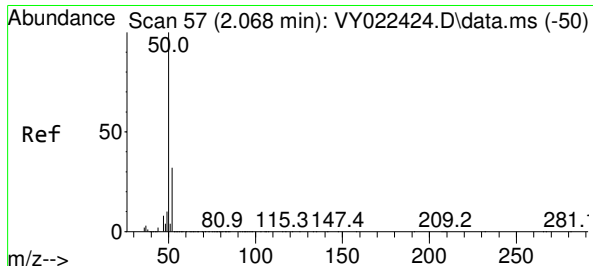
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#2
Dichlorodifluoromethane
Concen: 135.034 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 85 Resp: 336978
Ion Ratio Lower Upper
85 100
87 31.6 16.4 49.2





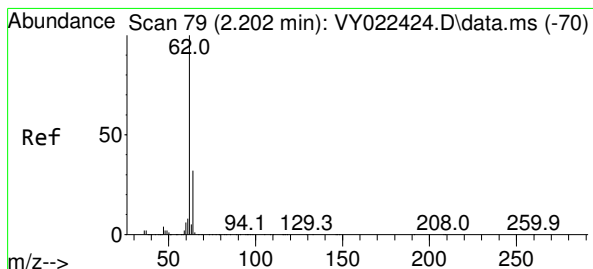
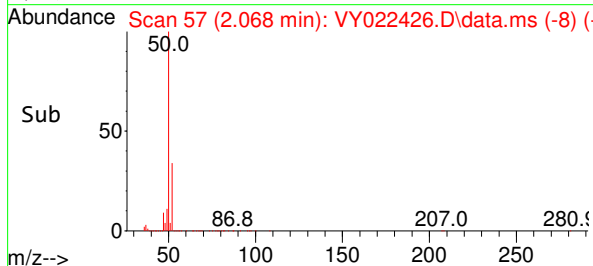
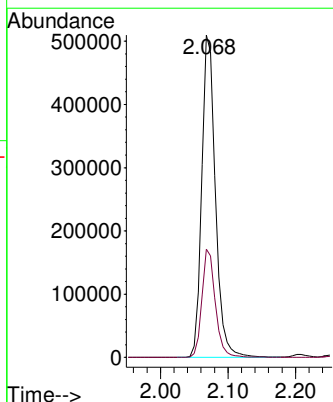
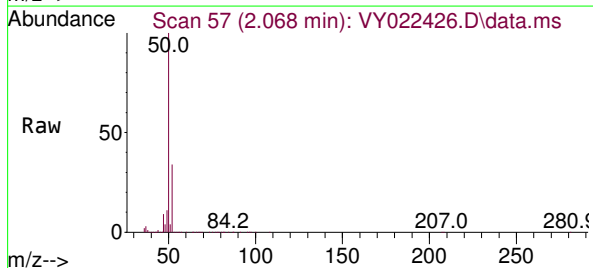
#3
Chloromethane
Concen: 116.621 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 71586
Ion Ratio Lower Upper
50 100
52 33.6 25.5 38.3

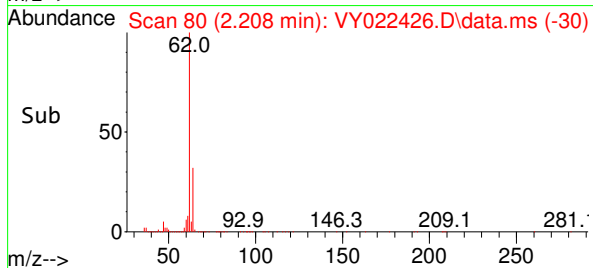
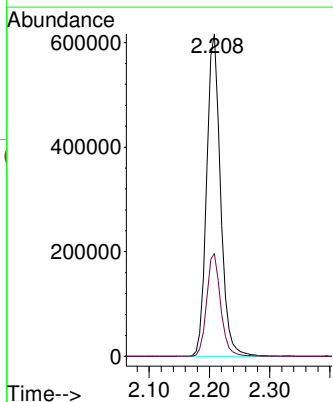
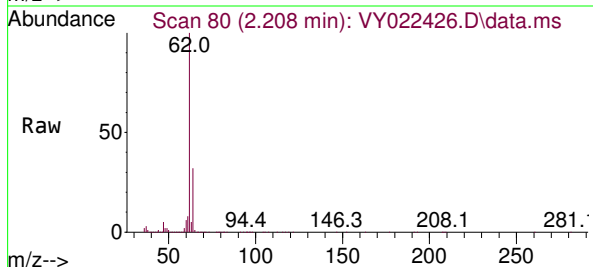
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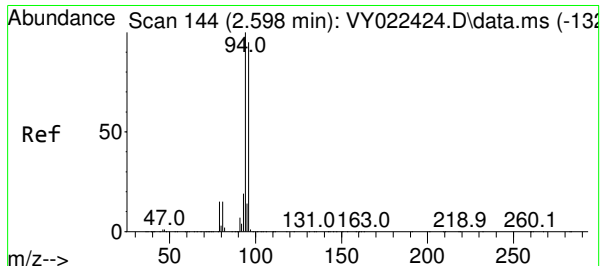
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#4
Vinyl Chloride
Concen: 132.303 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 62 Resp: 986607
Ion Ratio Lower Upper
62 100
64 31.9 26.0 39.0





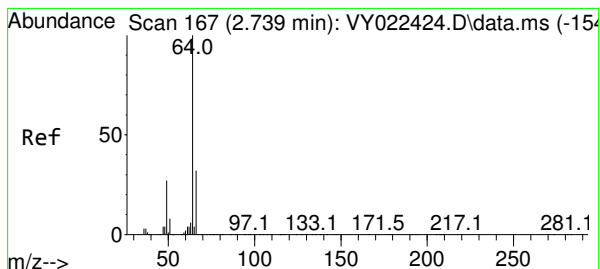
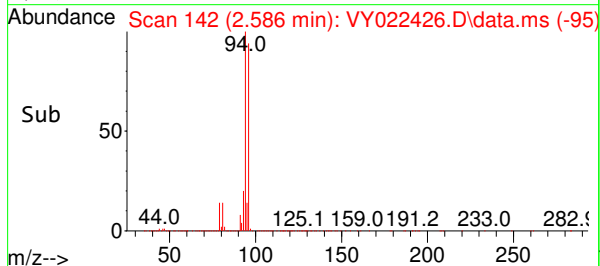
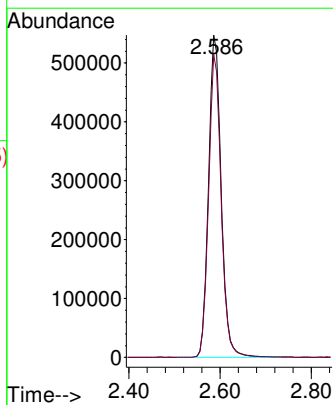
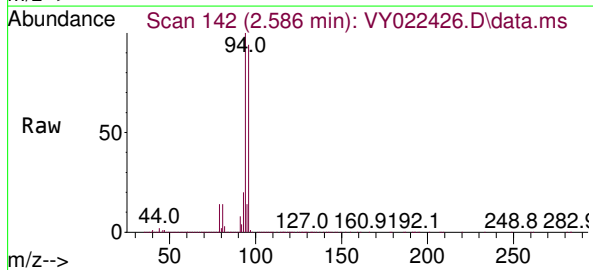
#5
Bromomethane
Concen: 155.728 ug/l
RT: 2.586 min Scan# 144
Delta R.T. -0.012 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 105531
Ion Ratio Lower Upper
94 100
96 93.8 76.0 114.0

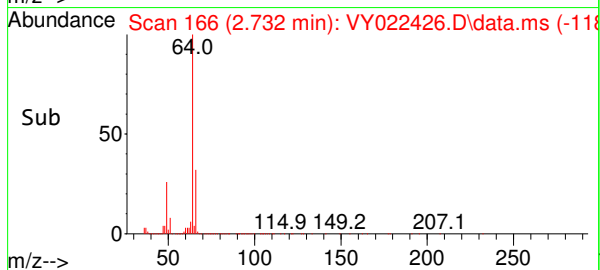
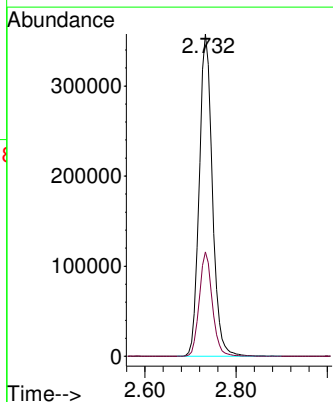
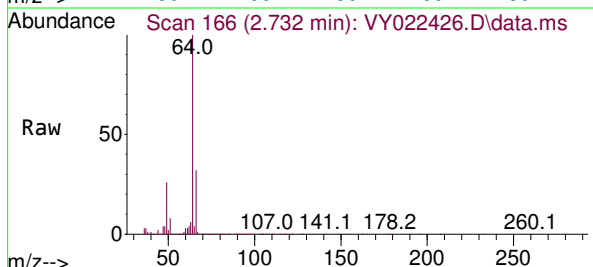
Manual Integrations
APPROVED

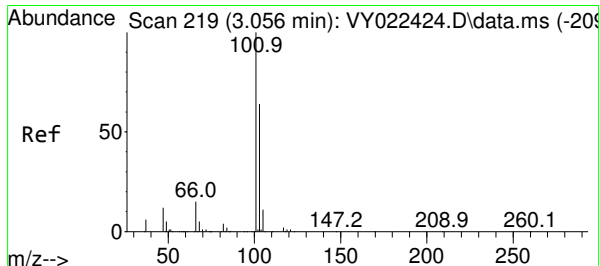
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#6
Chloroethane
Concen: 146.039 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 64 Resp: 711645
Ion Ratio Lower Upper
64 100
66 32.4 25.9 38.9





#7

Trichlorofluoromethane

Concen: 148.741 ug/l

RT: 3.050 min Scan# 219

Delta R.T. -0.006 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:101 Resp: 93584

Ion Ratio Lower Upper

101 100

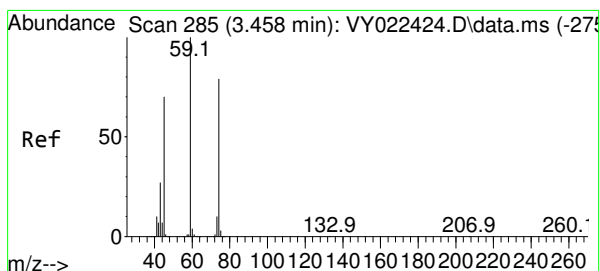
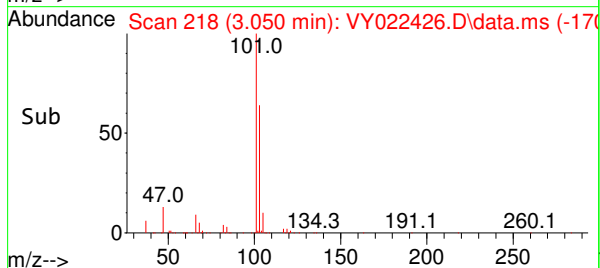
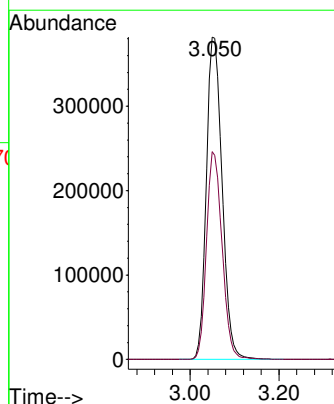
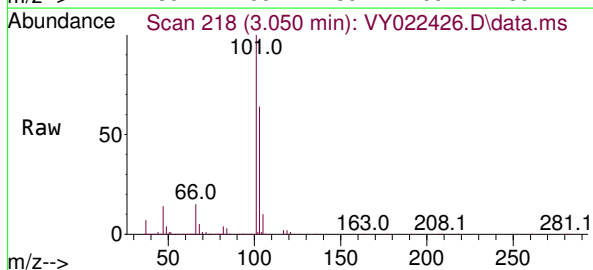
103 64.5 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#8

Diethyl Ether

Concen: 152.083 ug/l

RT: 3.458 min Scan# 285

Delta R.T. 0.000 min

Lab File: VY022426.D

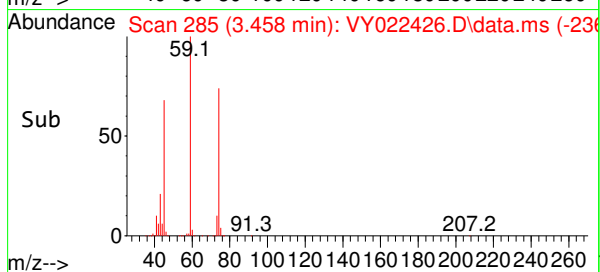
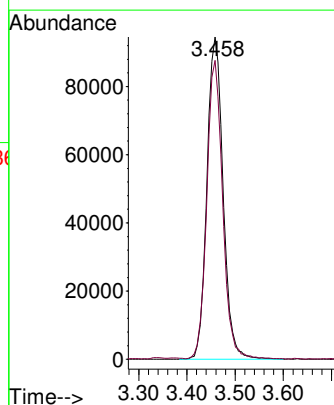
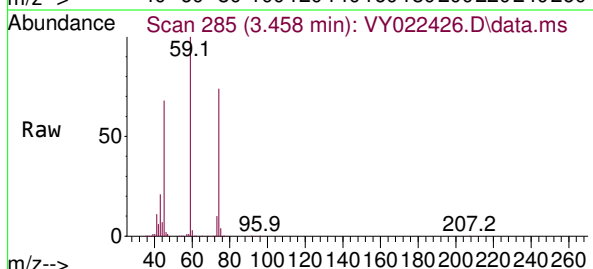
Acq: 27 May 2025 10:44

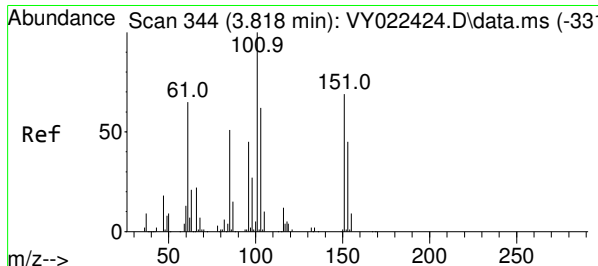
Tgt Ion: 74 Resp: 220632

Ion Ratio Lower Upper

74 100

45 90.7 44.9 134.5





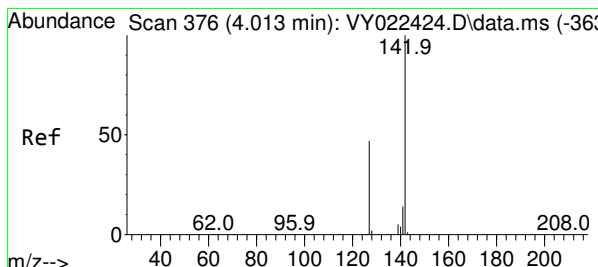
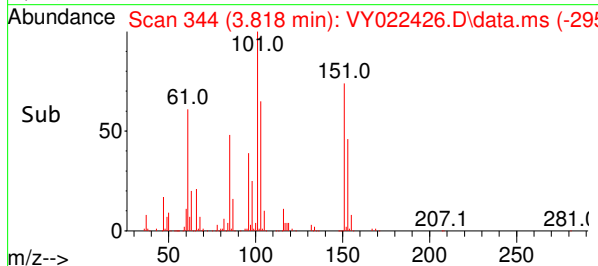
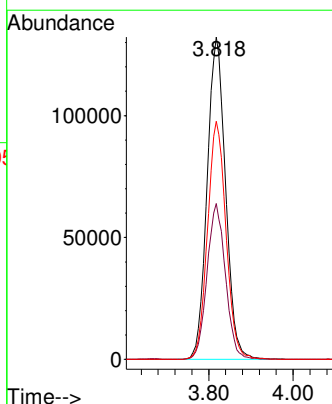
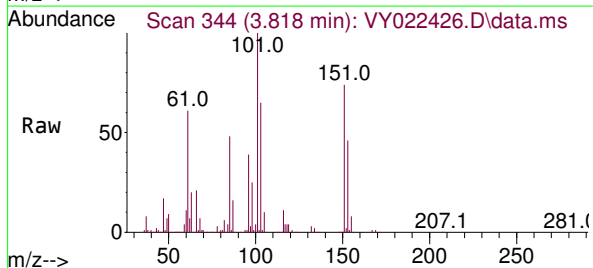
#9
1,1,2-Trichlorotrifluoroethane
Concen: 145.505 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion	101	Resp	40163
Ion Ratio	100	Lower	Upper
101	100		
85	48.4	39.2	58.8
151	74.2	58.8	88.2

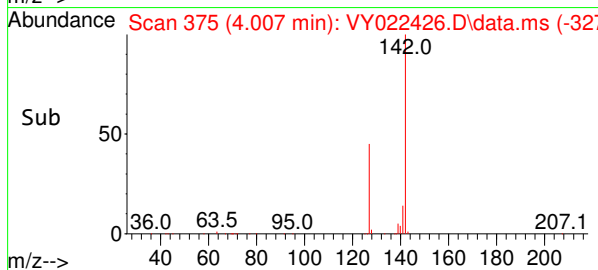
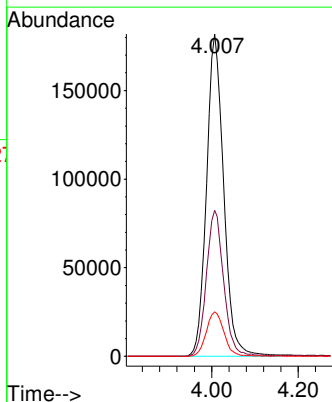
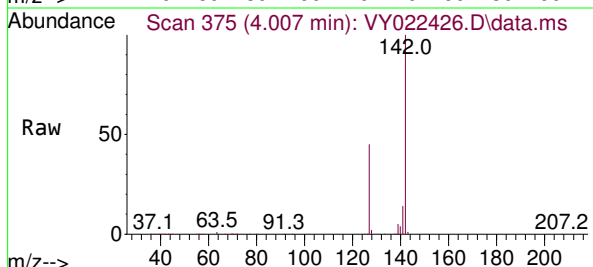
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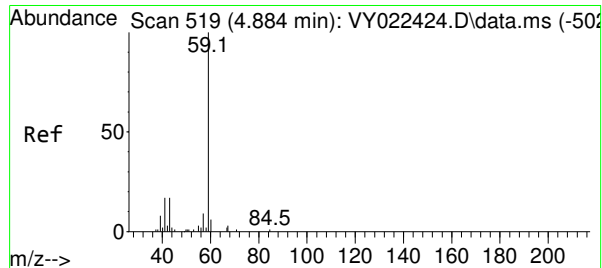
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#10
Methyl Iodide
Concen: 160.432 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion	142	Resp	499602
Ion Ratio <th>100</th> <th>Lower</th> <th>Upper</th>	100	Lower	Upper
142	100		
127	45.7	36.2	54.4
141	14.2	11.6	17.4





#11

Tert butyl alcohol

Concen: 773.955 ug/l

RT: 4.878 min Scan# 519

Delta R.T. -0.006 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 59 Resp: 15036

Ion Ratio Lower Upper

59 100

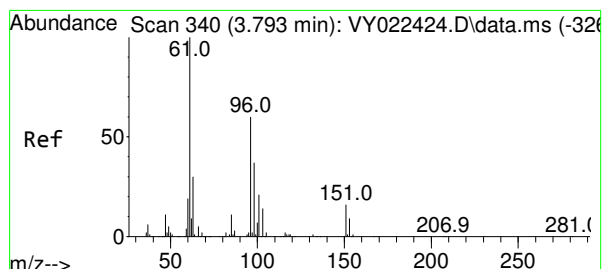
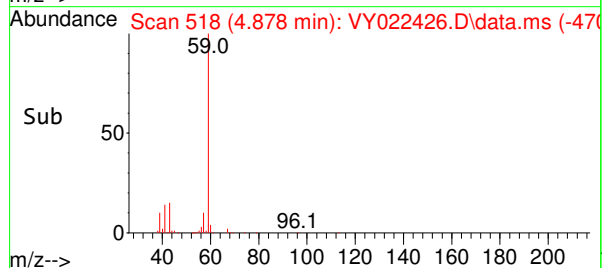
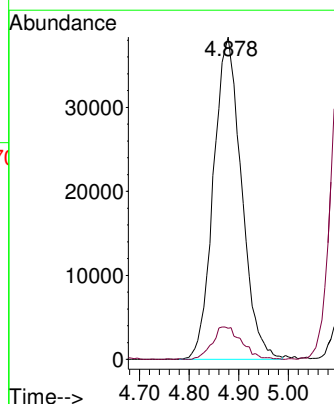
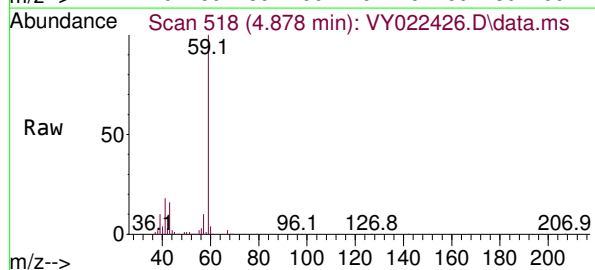
57 10.6 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#12

1,1-Dichloroethene

Concen: 147.508 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

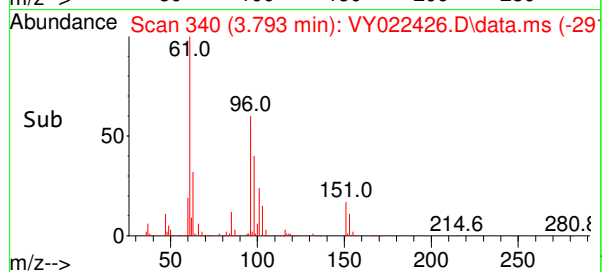
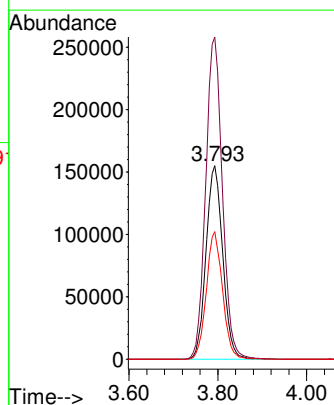
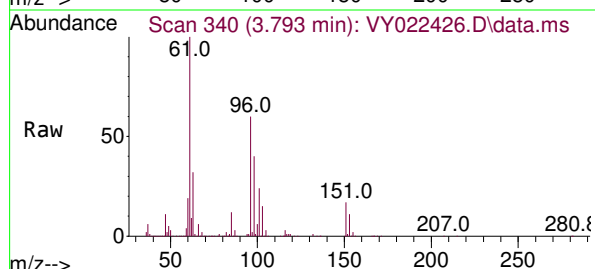
Tgt Ion: 96 Resp: 404241

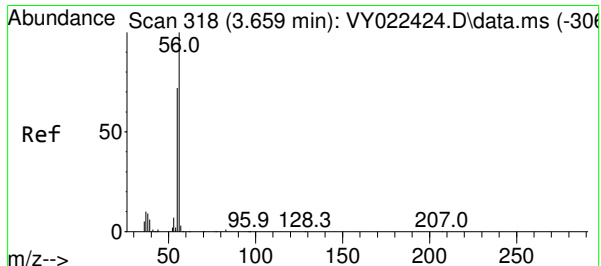
Ion Ratio Lower Upper

96 100

61 166.5 134.1 201.1

98 66.0 50.2 75.2





#13

Acrolein

Concen: 772.427 ug/l

RT: 3.653 min Scan# 318

Delta R.T. -0.006 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 22476

Ion Ratio Lower Upper

56 100

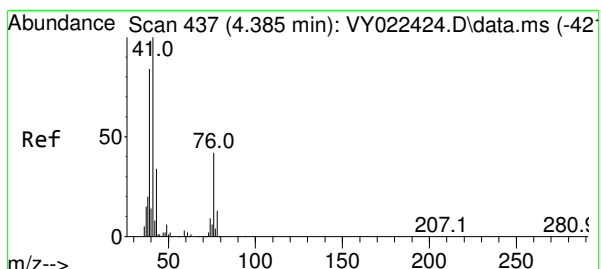
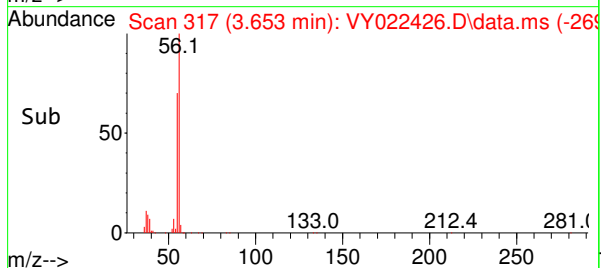
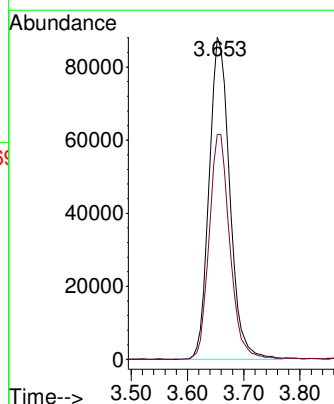
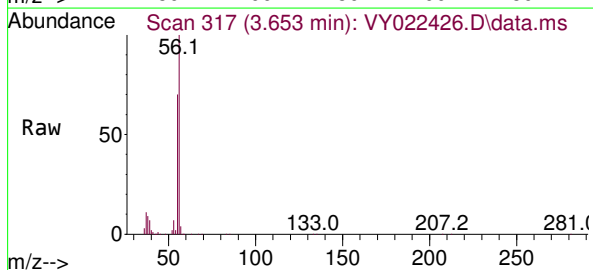
55 70.1 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#14

Allyl chloride

Concen: 153.977 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

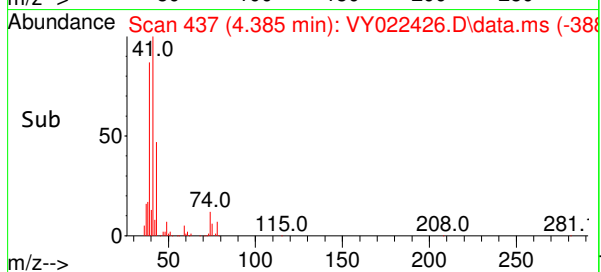
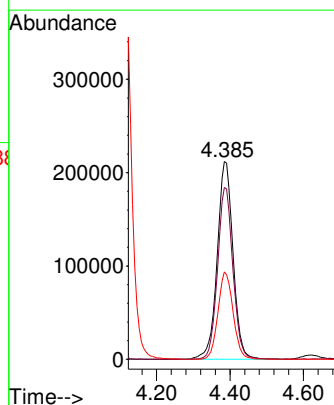
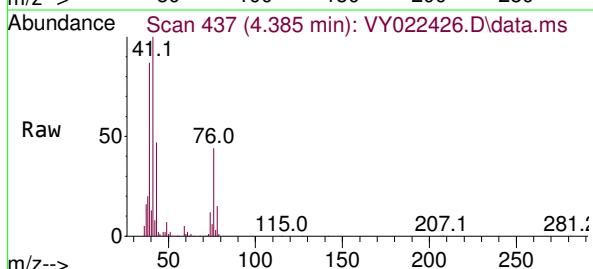
Tgt Ion: 41 Resp: 634755

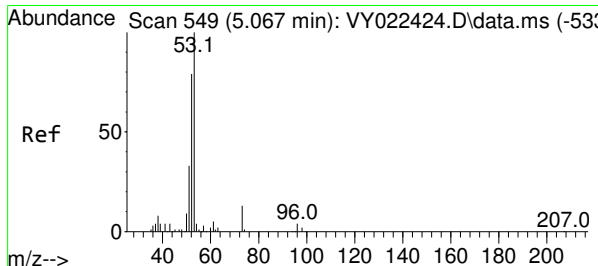
Ion Ratio Lower Upper

41 100

39 84.2 66.6 100.0

76 42.2 33.7 50.5





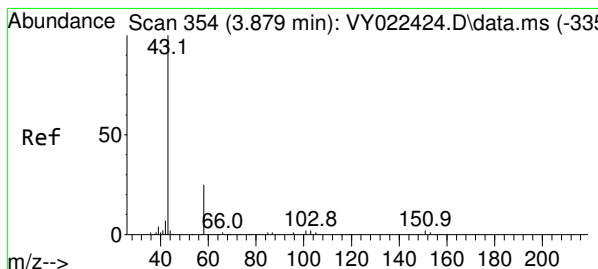
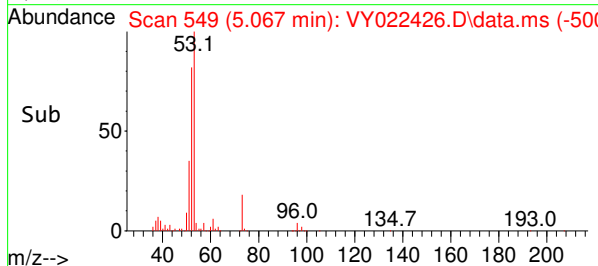
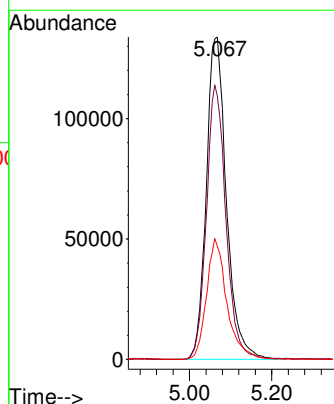
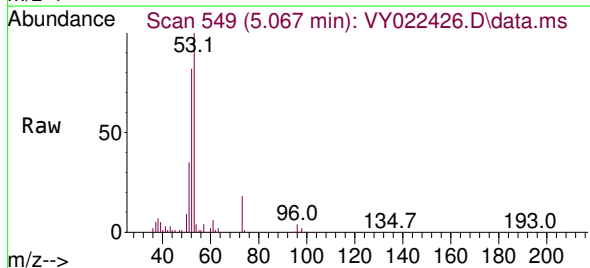
#15
Acrylonitrile
Concen: 778.419 ug/l
RT: 5.067 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.1	97.7
51	38.0	30.0	45.0

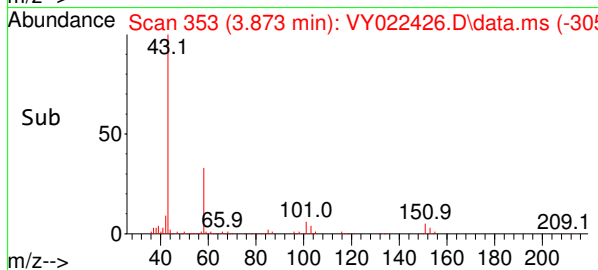
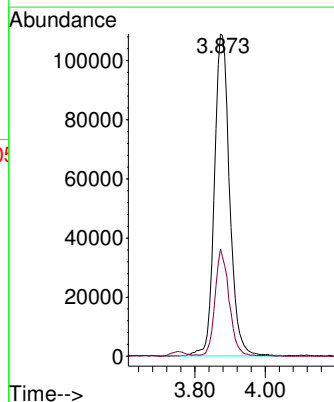
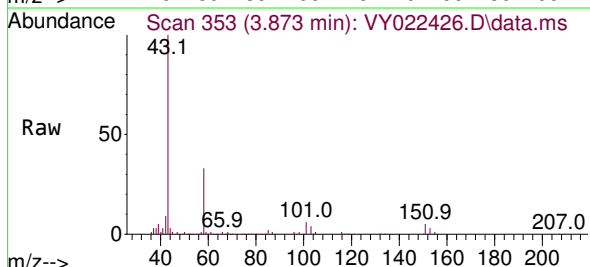
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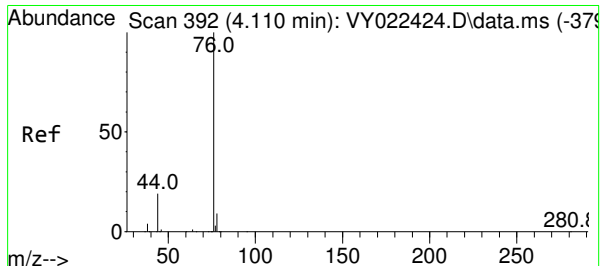
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#16
Acetone
Concen: 722.994 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.3	20.6	30.8





#17

Carbon Disulfide

Concen: 148.080 ug/l

RT: 4.110 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 129502

Ion Ratio Lower Upper

76 100

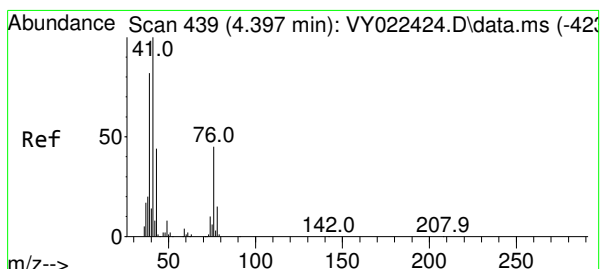
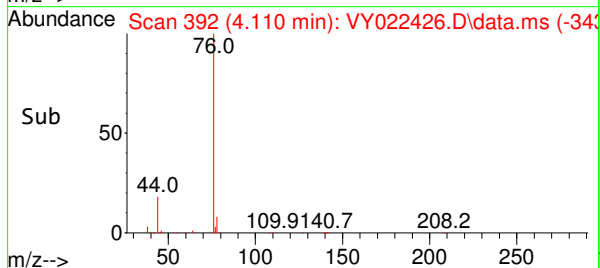
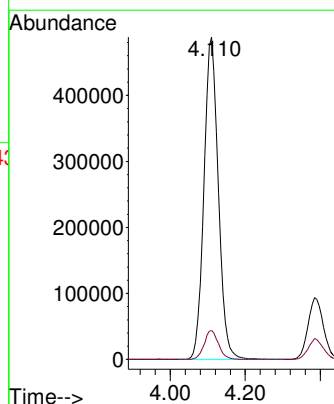
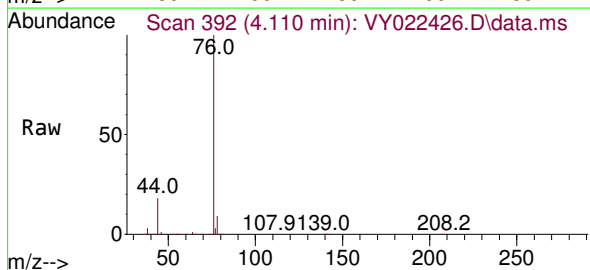
78 9.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#18

Methyl Acetate

Concen: 177.047 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.012 min

Lab File: VY022426.D

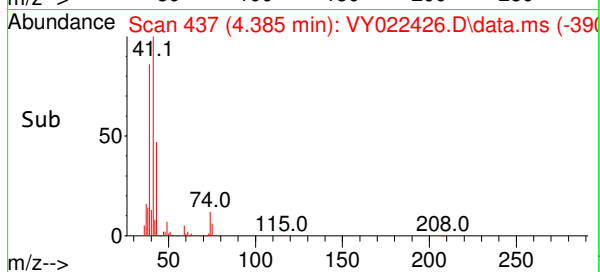
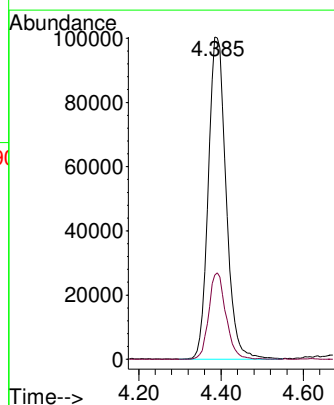
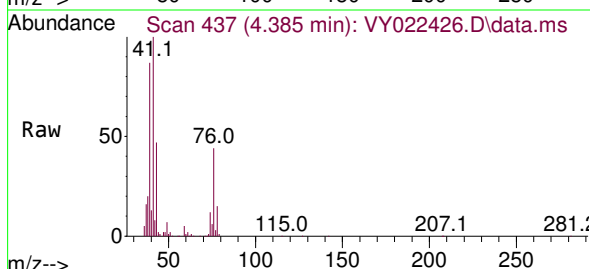
Acq: 27 May 2025 10:44

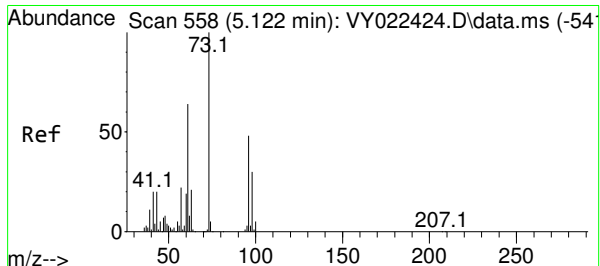
Tgt Ion: 43 Resp: 300253

Ion Ratio Lower Upper

43 100

74 26.1 21.2 31.8





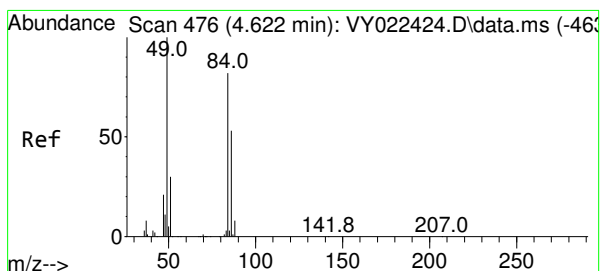
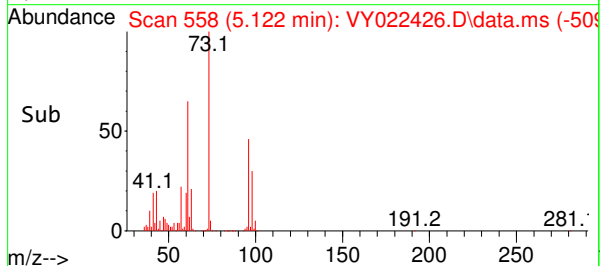
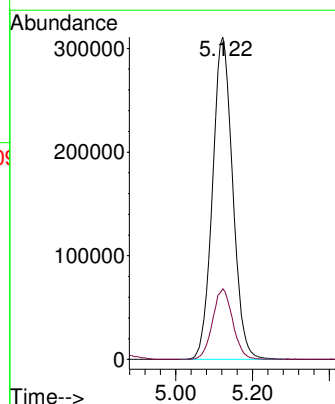
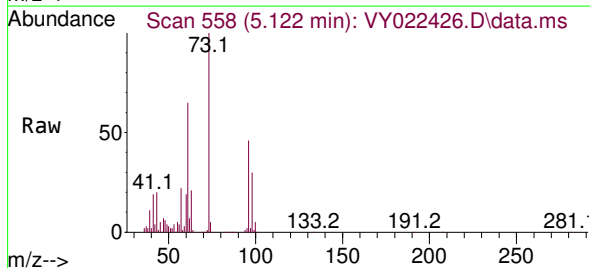
#19
Methyl tert-butyl Ether
Concen: 155.888 ug/l
RT: 5.122 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 113418
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5

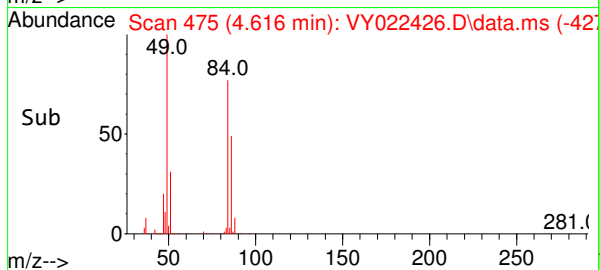
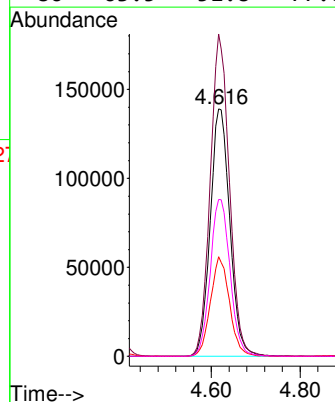
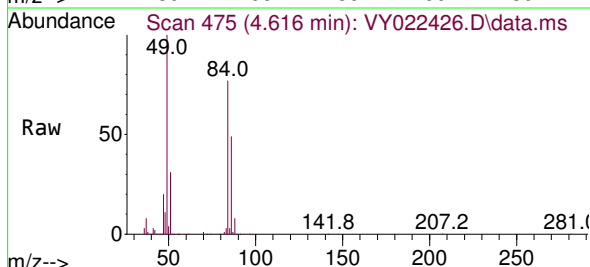
Manual Integrations
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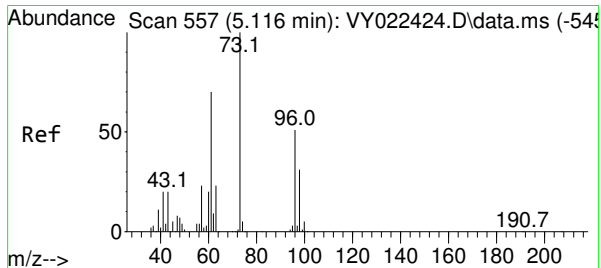
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#20
Methylene Chloride
Concen: 133.322 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 84 Resp: 426225
Ion Ratio Lower Upper
84 100
49 130.3 97.8 146.8
51 40.3 29.5 44.3
86 63.5 51.8 77.6





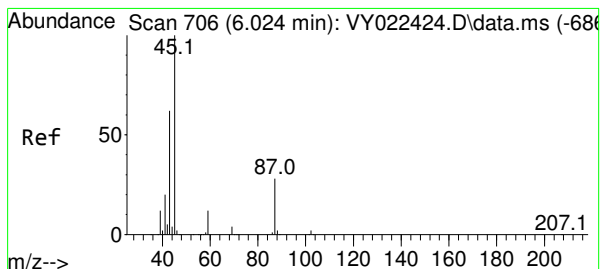
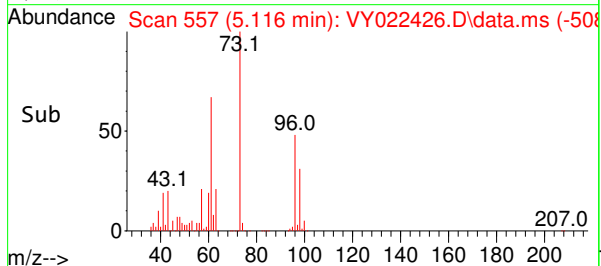
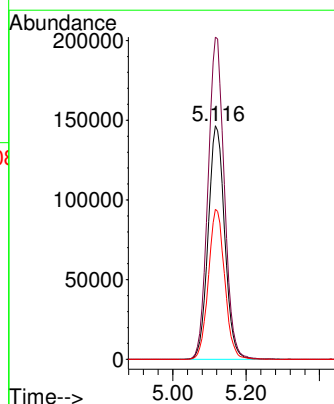
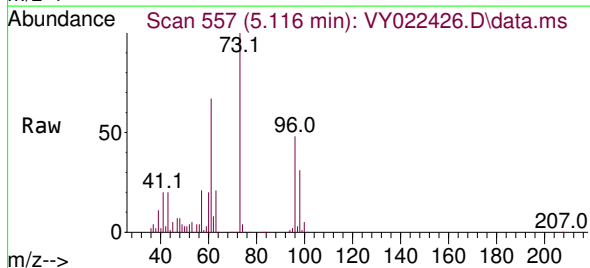
#21
trans-1,2-Dichloroethene
Concen: 152.698 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 45684
Ion Ratio Lower Upper
96 100
61 137.9 110.4 165.6
98 64.3 48.6 73.0

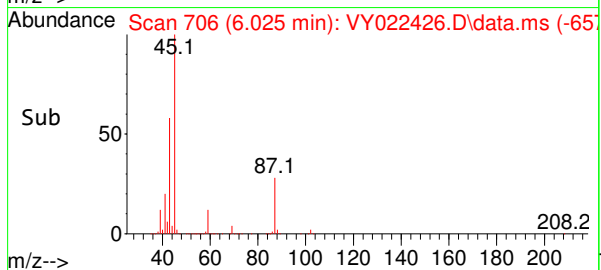
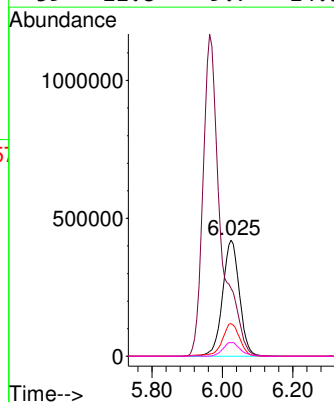
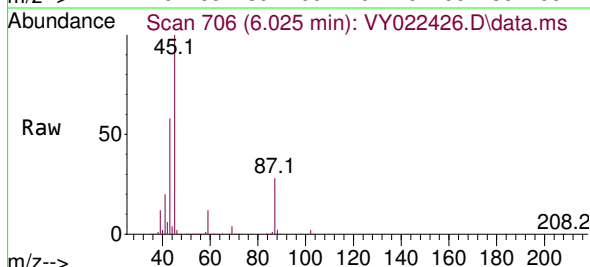
Manual Integrations
APPROVED

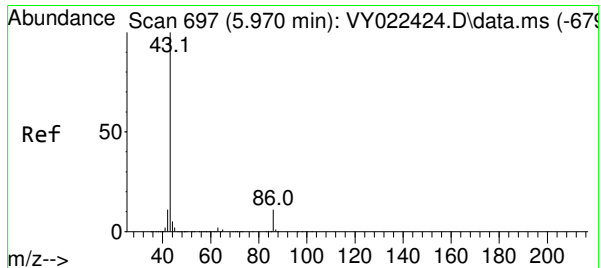
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#22
Diisopropyl ether
Concen: 154.338 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 45 Resp: 1404193
Ion Ratio Lower Upper
45 100
43 58.3 49.8 74.8
87 28.2 23.0 34.6
59 11.8 9.7 14.5





#23

Vinyl Acetate

Concen: 773.807 ug/l

RT: 5.964 min Scan# 696

Delta R.T. -0.006 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 404239

Ion Ratio Lower Upper

43 100

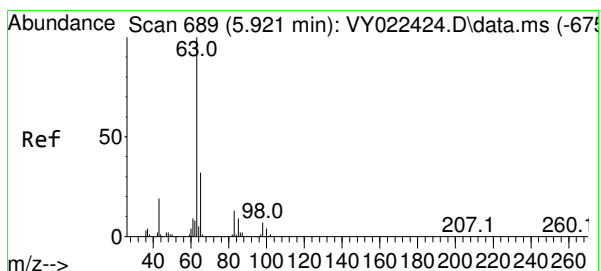
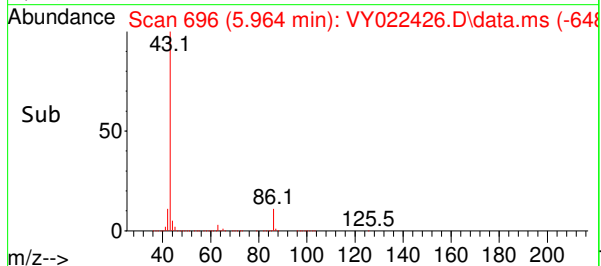
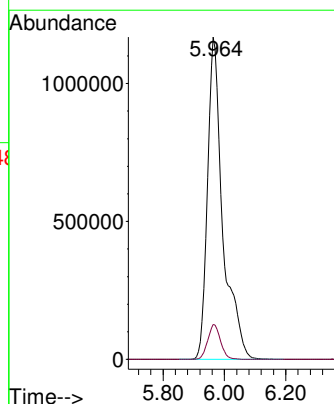
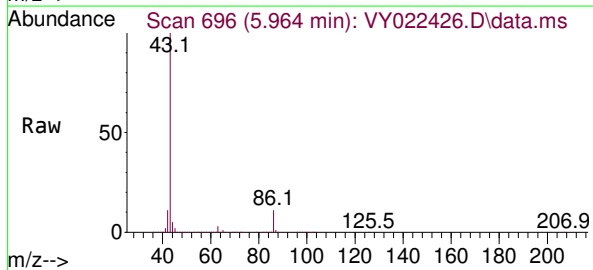
86 10.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#24

1,1-Dichloroethane

Concen: 154.149 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.000 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

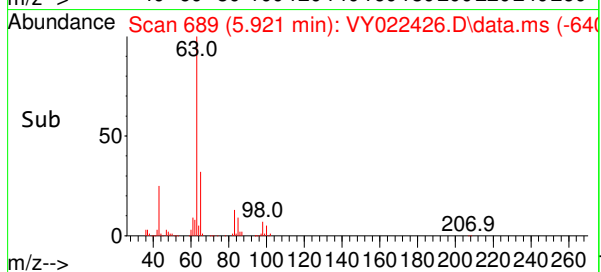
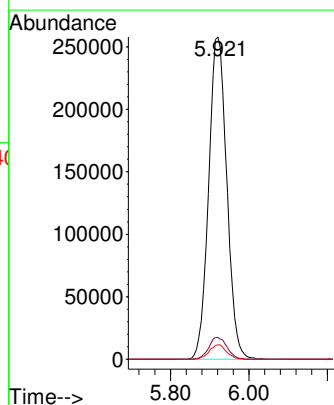
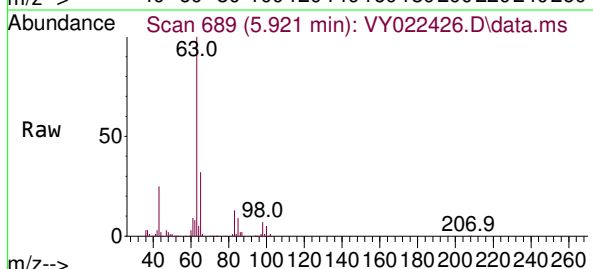
Tgt Ion: 63 Resp: 828730

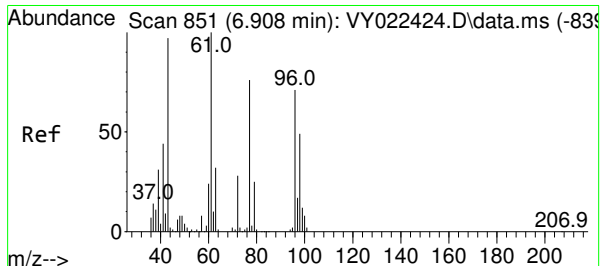
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.5 2.1 6.5





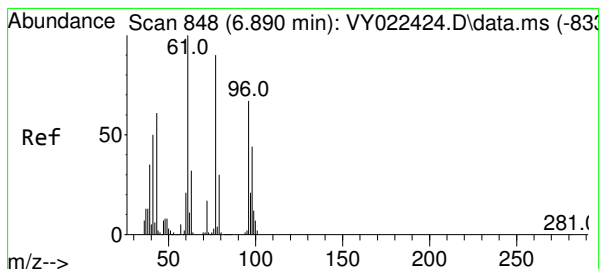
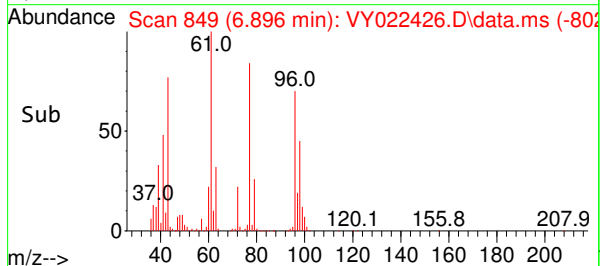
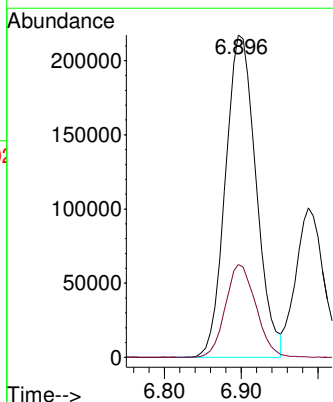
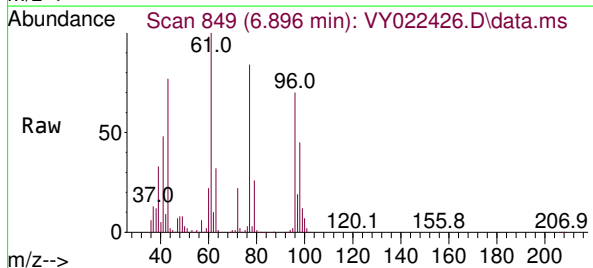
#25
2-Butanone
Concen: 800.866 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 60383
Ion Ratio Lower Upper
43 100
72 28.9 22.8 34.2

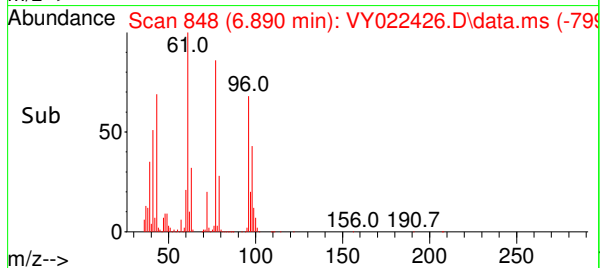
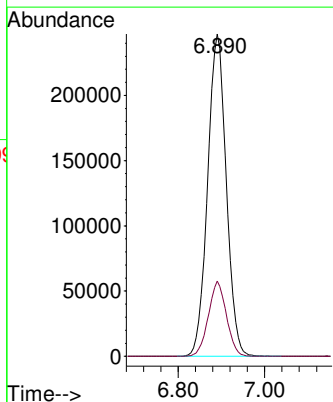
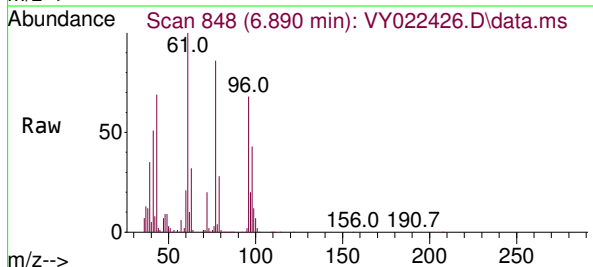
Manual Integrations
APPROVED

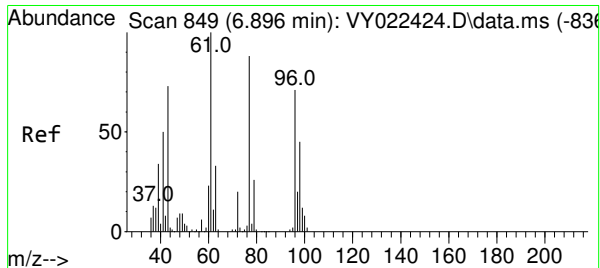
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#26
2,2-Dichloropropane
Concen: 151.572 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 77 Resp: 737854
Ion Ratio Lower Upper
77 100
97 22.6 11.6 34.7





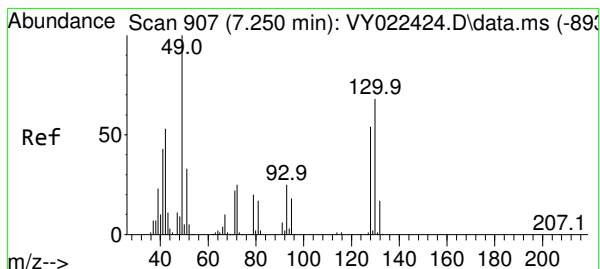
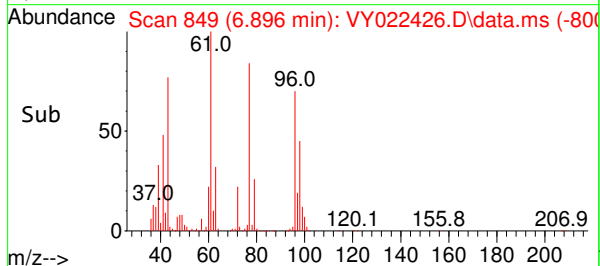
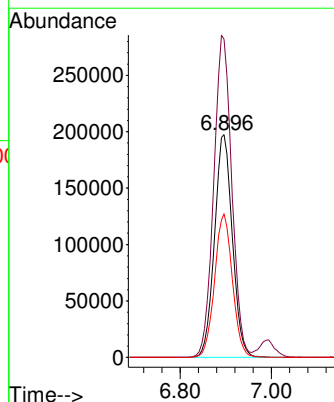
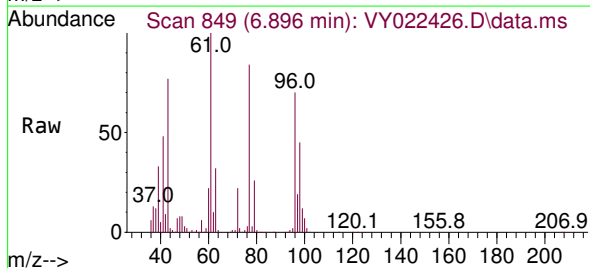
#27
cis-1,2-Dichloroethene
Concen: 155.137 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	292.0
98	64.2	0.0	131.0

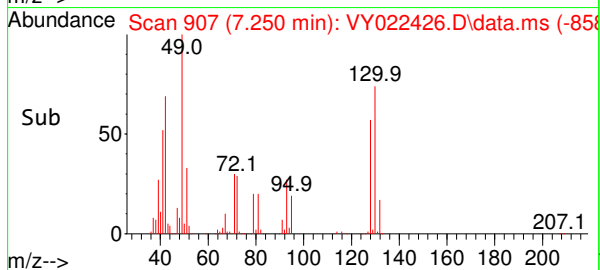
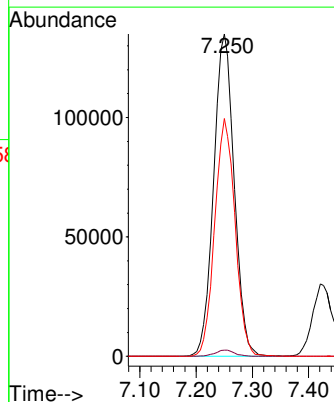
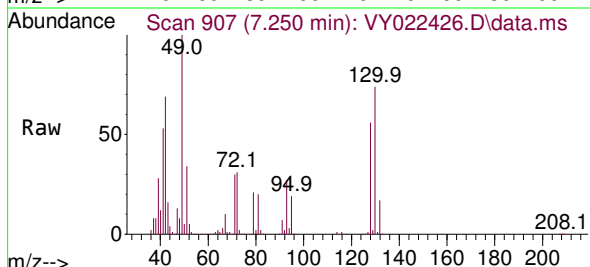
Manual Integrations
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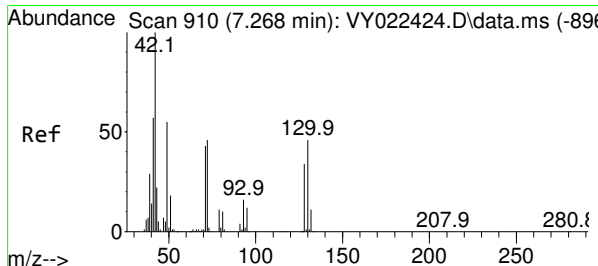
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#28
Bromochloromethane
Concen: 152.635 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	73.0	56.9	85.3





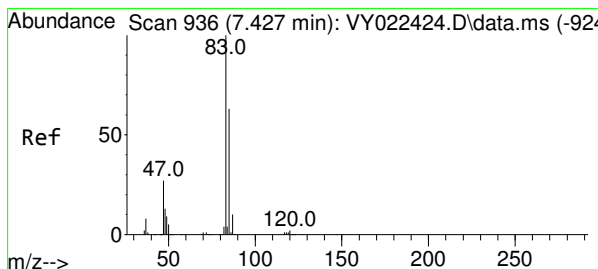
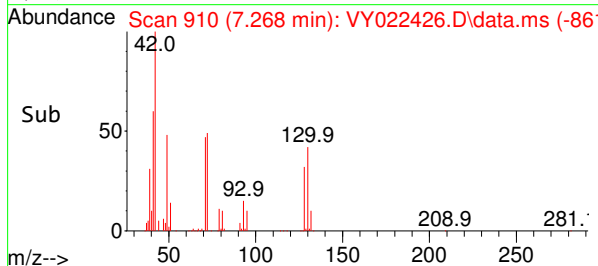
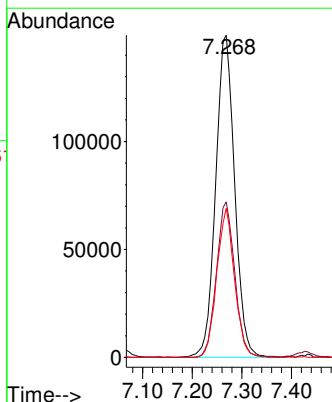
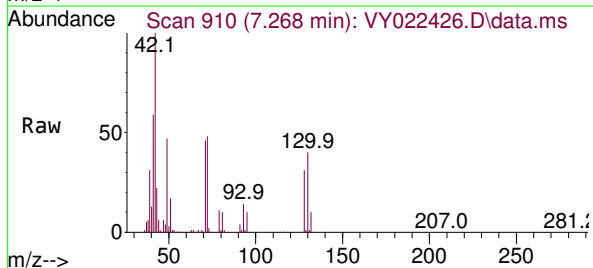
#29
Tetrahydrofuran
Concen: 790.090 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 39729
Ion Ratio Lower Upper
42 100
72 46.7 37.7 56.5
71 43.4 34.7 52.1

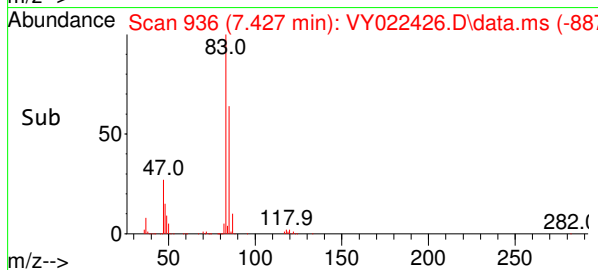
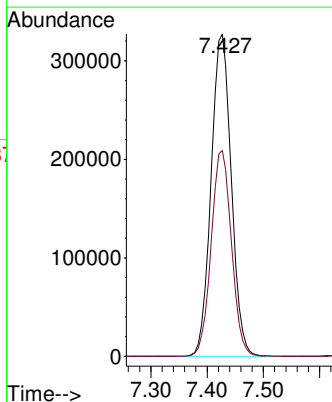
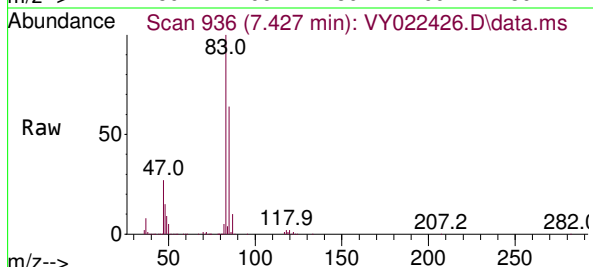
Manual Integrations
APPROVED

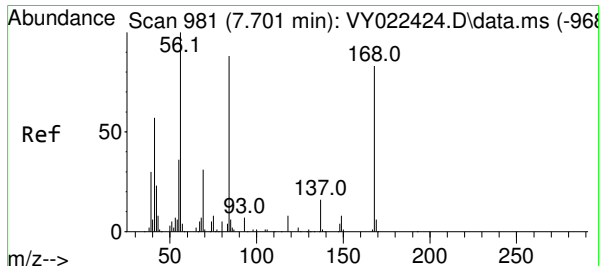
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#30
Chloroform
Concen: 153.787 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 83 Resp: 814685
Ion Ratio Lower Upper
83 100
85 63.9 50.1 75.1





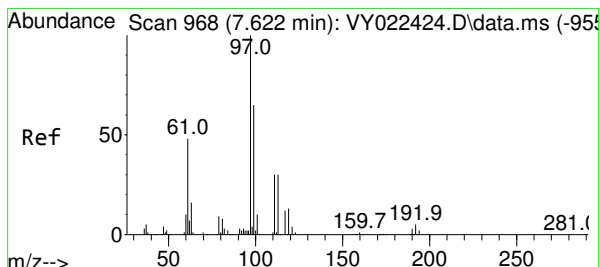
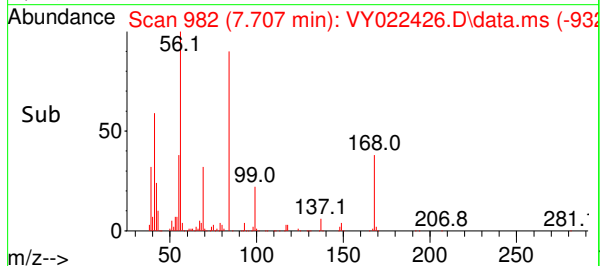
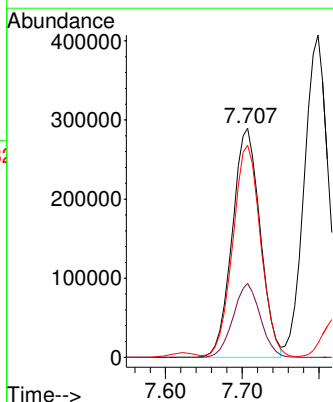
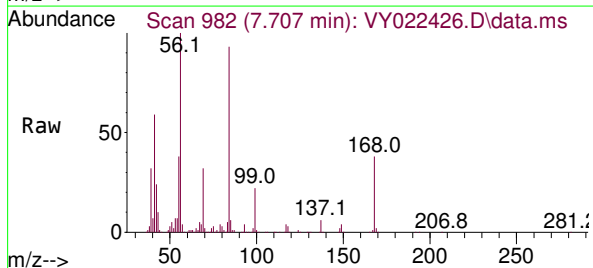
#31
Cyclohexane
Concen: 137.826 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 73041
Ion Ratio Lower Upper
56 100
69 32.3 24.6 36.8
84 90.9 70.4 105.6

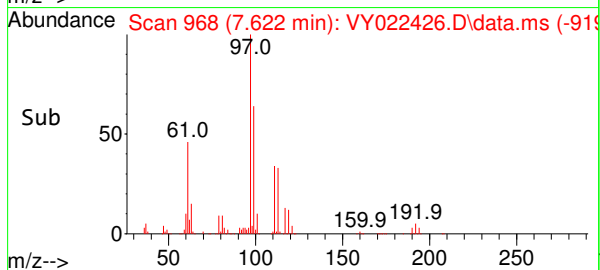
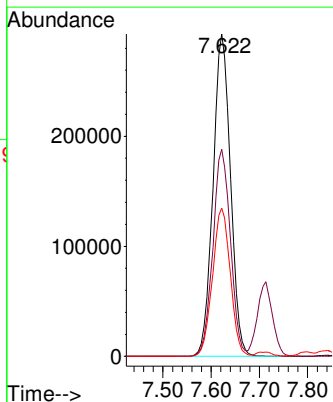
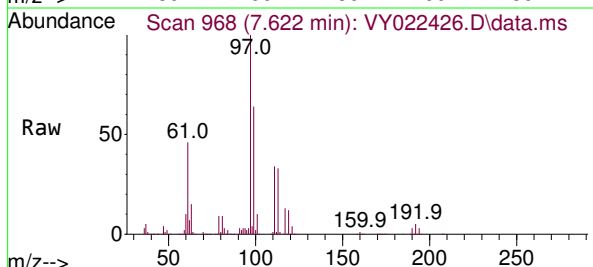
Manual Integrations
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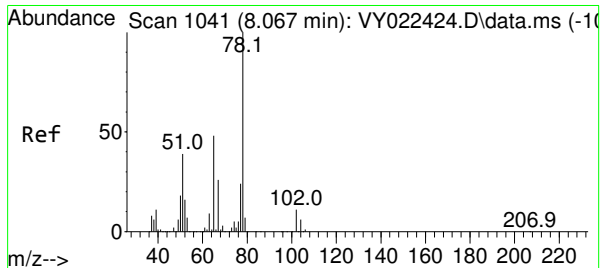
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#32
1,1,1-Trichloroethane
Concen: 153.436 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 97 Resp: 737686
Ion Ratio Lower Upper
97 100
99 64.5 51.3 76.9
61 46.8 37.3 55.9





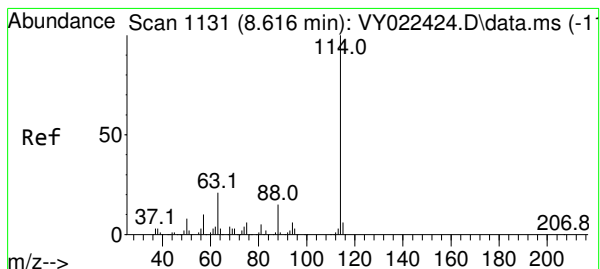
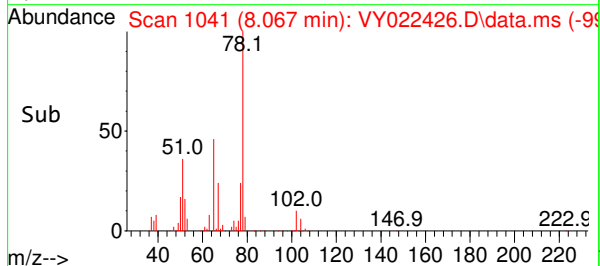
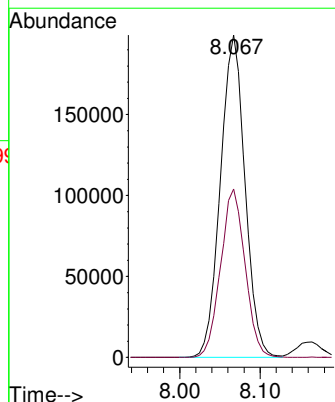
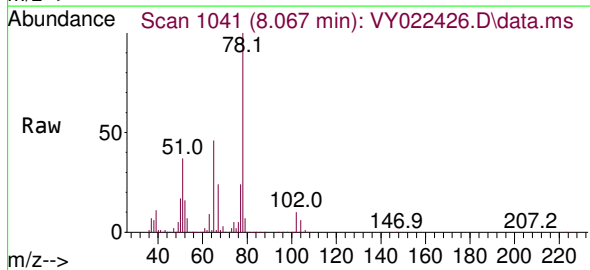
#33
1,2-Dichloroethane-d4
Concen: 153.366 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 42253
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.4

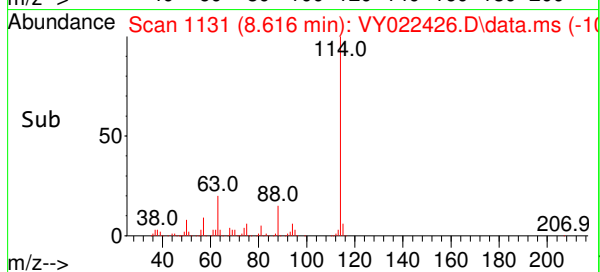
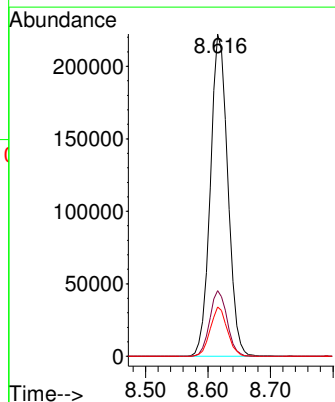
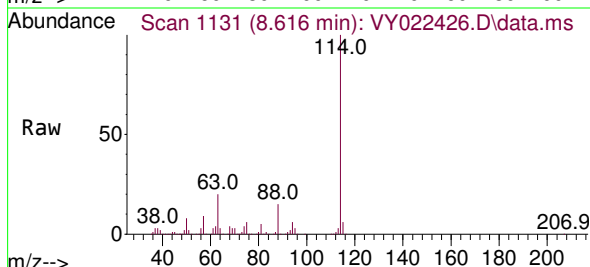
Manual Integrations
APPROVED

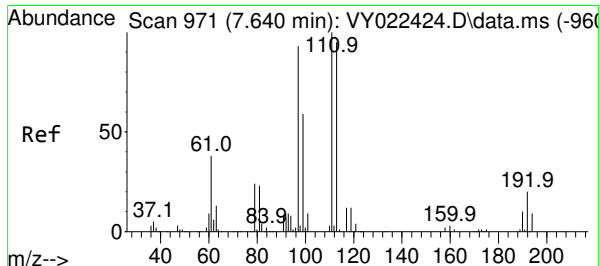
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:114 Resp: 431909
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.6
88 15.3 0.0 29.4





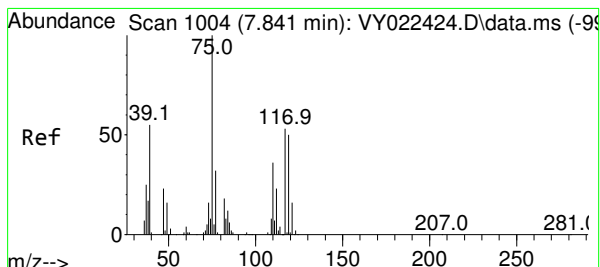
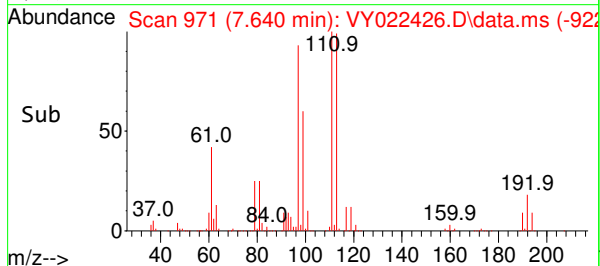
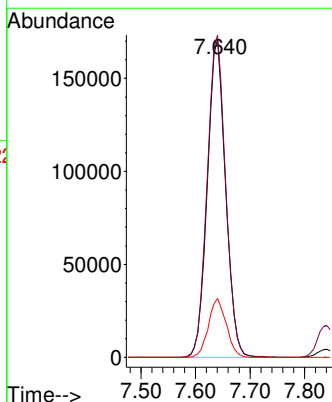
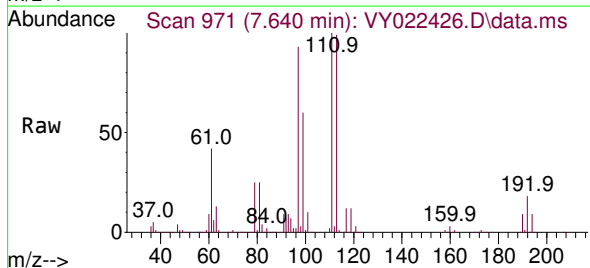
#35
Dibromofluoromethane
Concen: 157.523 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 113 Resp: 39843
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 18.2 15.2 22.8

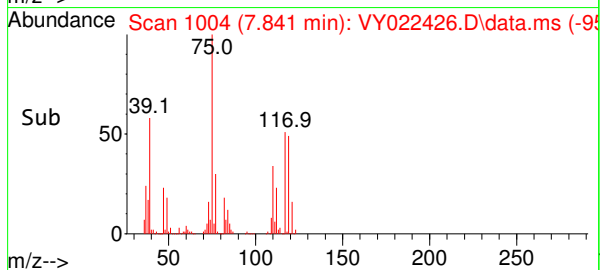
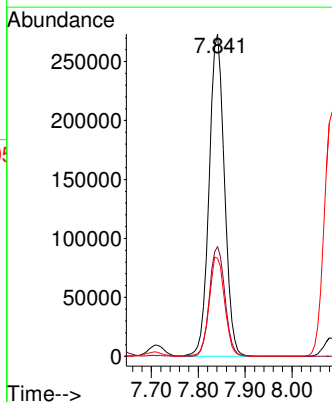
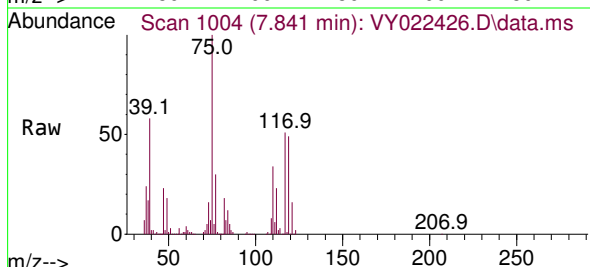
Manual Integrations
APPROVED

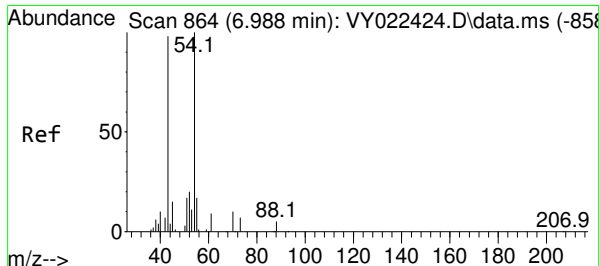
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#36
1,1-Dichloropropene
Concen: 155.342 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

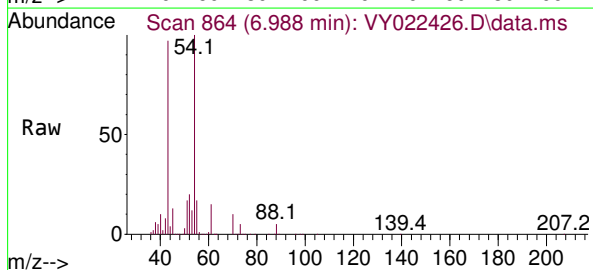
Tgt Ion: 75 Resp: 623501
Ion Ratio Lower Upper
75 100
110 34.3 17.1 51.2
77 31.2 25.1 37.7





#37
Ethyl Acetate
Concen: 153.581 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

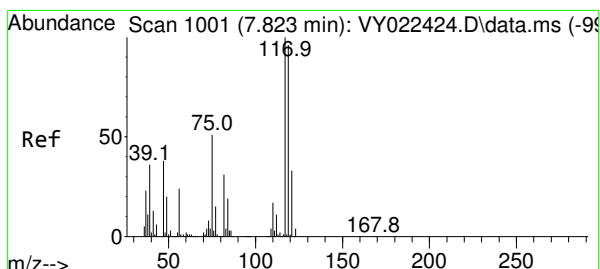
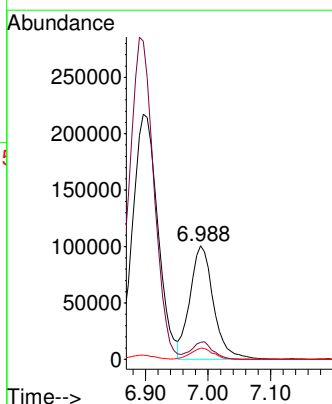
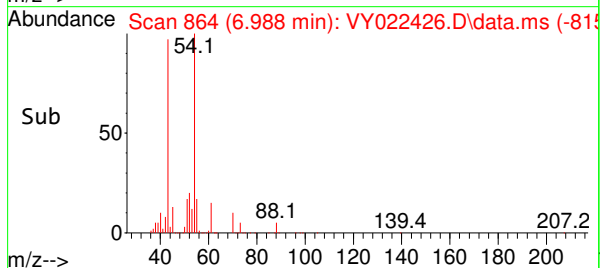
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 26197
Ion Ratio Lower Upper
43 100
61 14.1 11.7 17.5
70 9.5 7.8 11.6

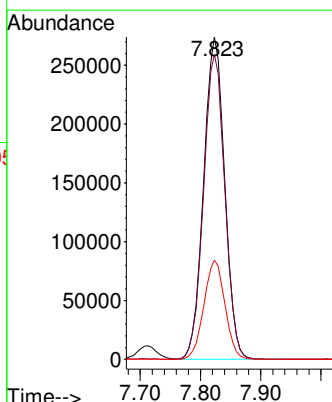
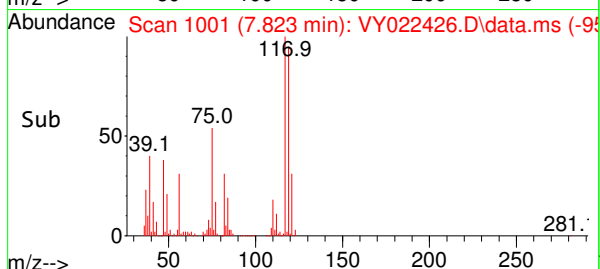
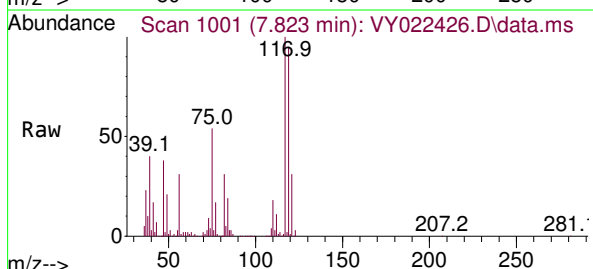
Manual Integrations
APPROVED

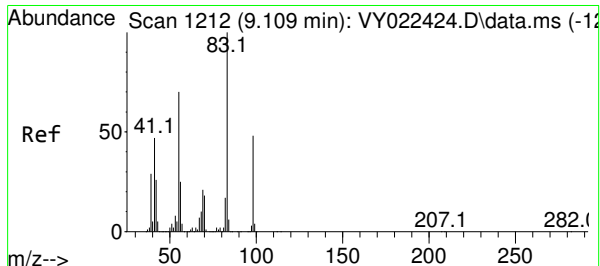
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#38
Carbon Tetrachloride
Concen: 158.776 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:117 Resp: 663867
Ion Ratio Lower Upper
117 100
119 94.6 76.3 114.5
121 30.8 26.1 39.1





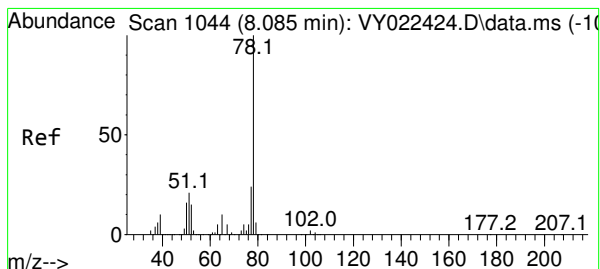
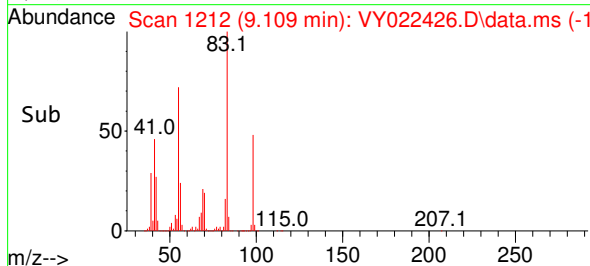
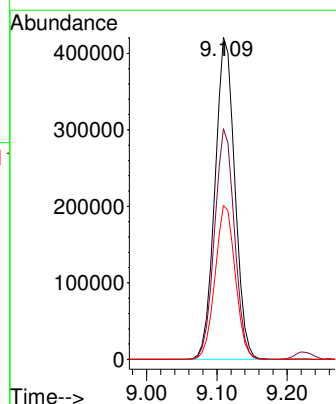
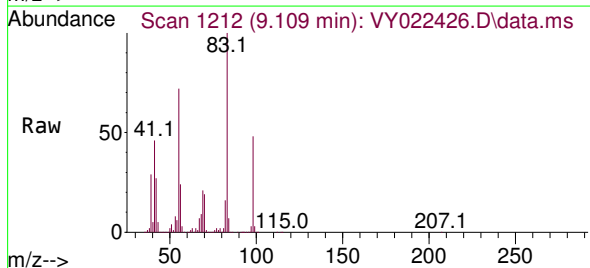
#39
Methylcyclohexane
Concen: 154.561 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 82464
Ion Ratio Lower Upper
83 100
55 71.6 56.2 84.2
98 47.7 38.4 57.6

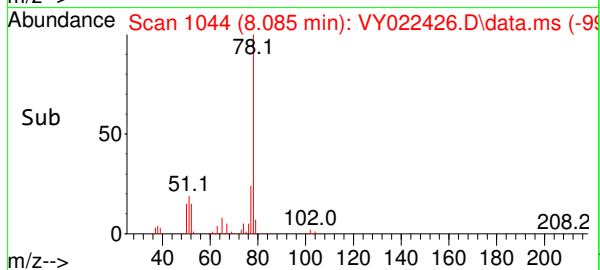
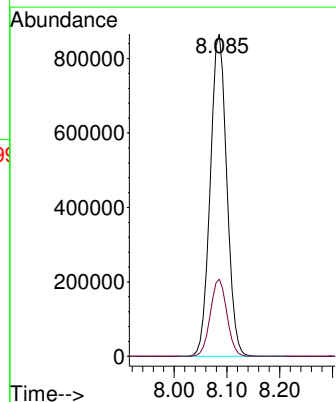
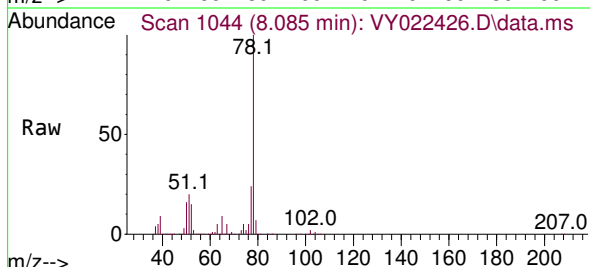
Manual Integrations
APPROVED

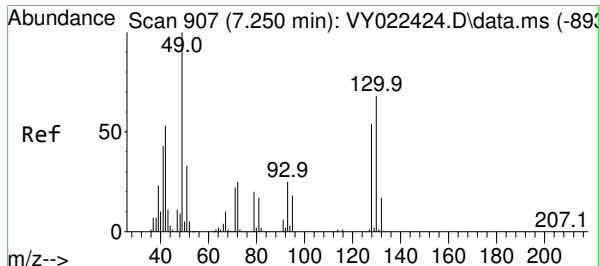
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#40
Benzene
Concen: 158.501 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 78 Resp: 1893003
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.2





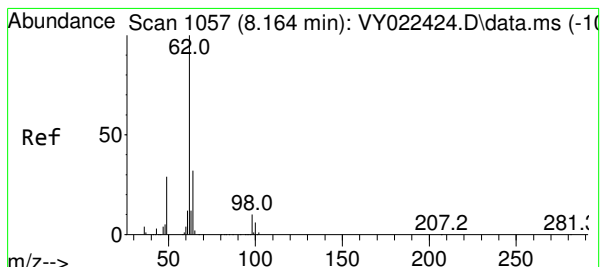
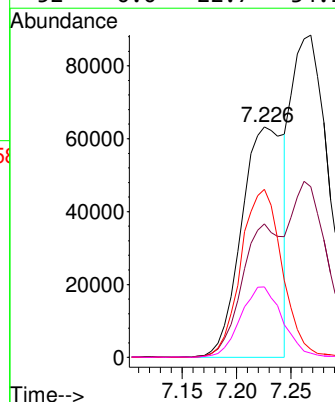
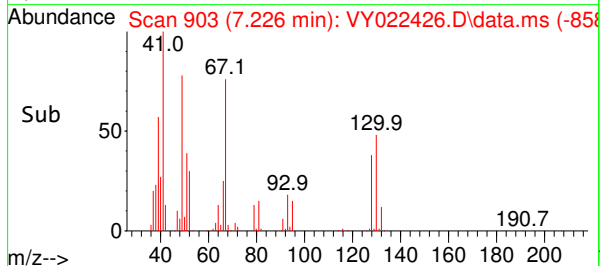
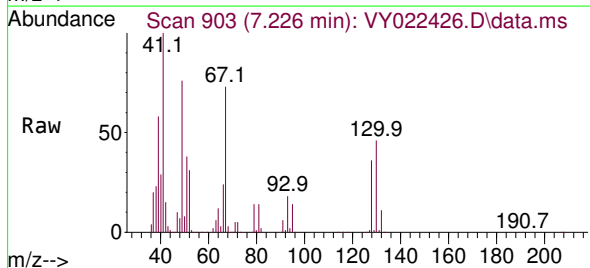
#41
Methacrylonitrile
Concen: 76.337 ug/l m
RT: 7.226 min Scan# 907
Delta R.T. -0.024 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 17137
Ion Ratio Lower Upper
41 100
39 65.4 40.4 60.6
67 0.0 53.0 79.4
52 0.0 22.7 34.1#

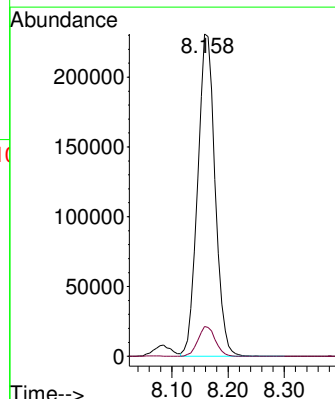
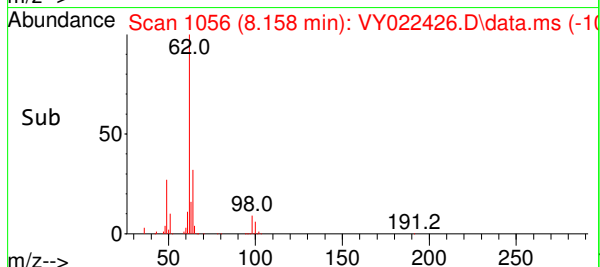
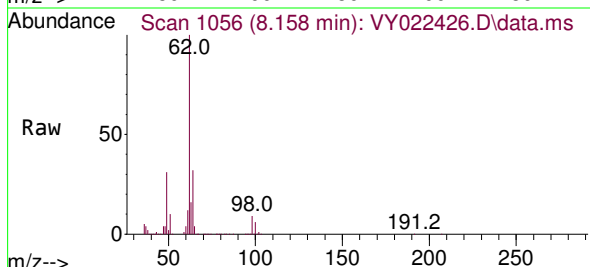
Manual Integrations
APPROVED

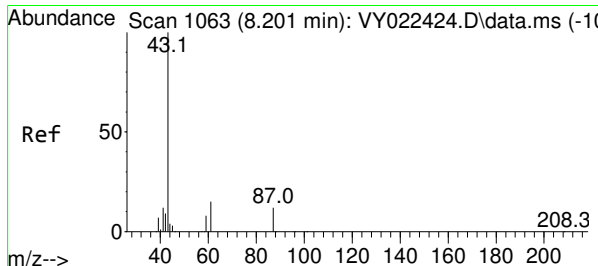
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#42
1,2-Dichloroethane
Concen: 157.877 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 62 Resp: 497991
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.4





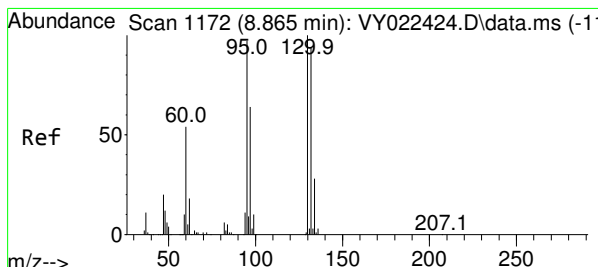
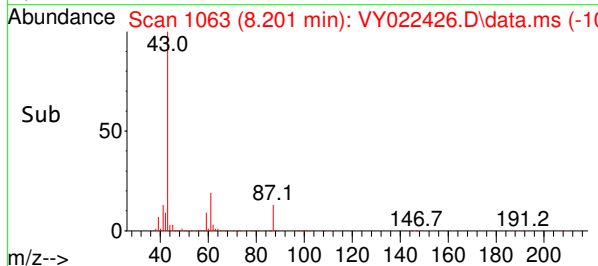
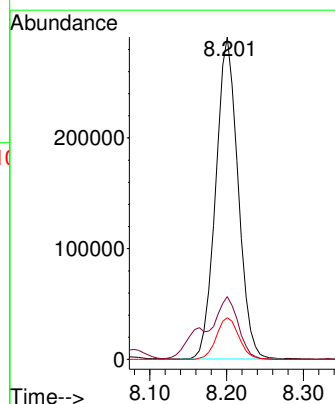
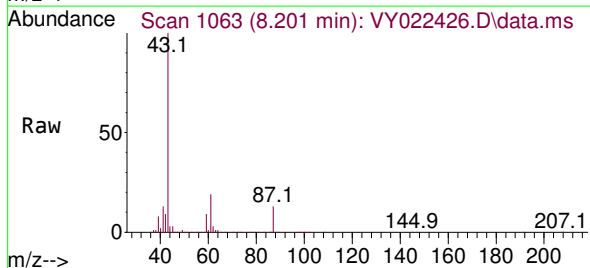
#43
Isopropyl Acetate
Concen: 157.564 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	13.2	10.6	15.8

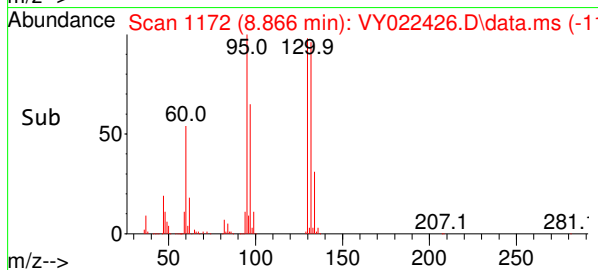
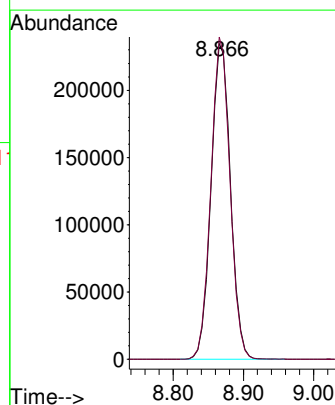
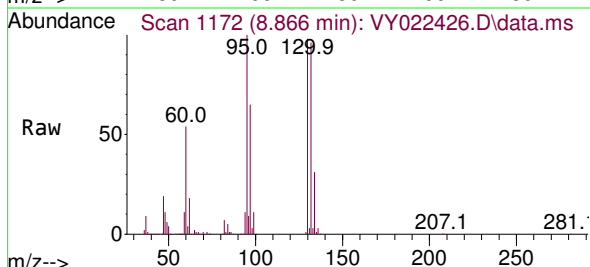
Manual Integrations
APPROVED

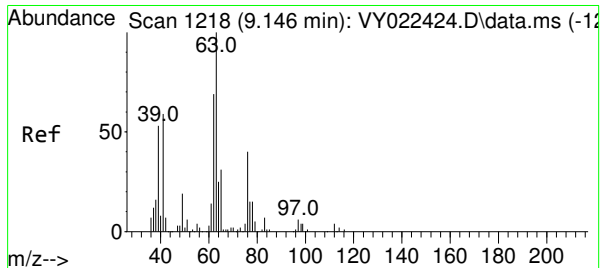
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#44
Trichloroethene
Concen: 152.390 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	194.8





#45

1,2-Dichloropropane

Concen: 156.346 ug/l

RT: 9.146 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 43872

Ion Ratio Lower Upper

63 100

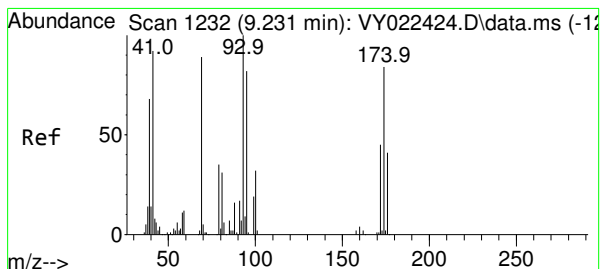
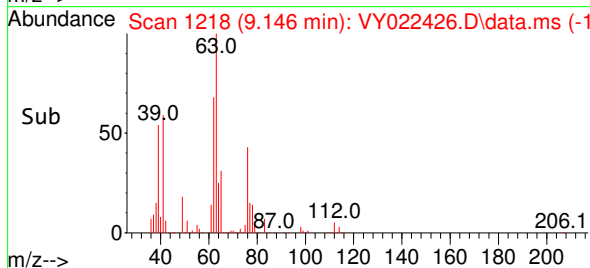
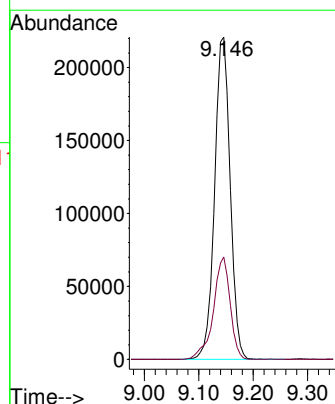
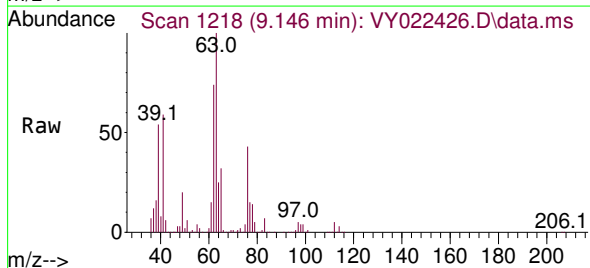
65 31.8 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#46

Dibromomethane

Concen: 159.252 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

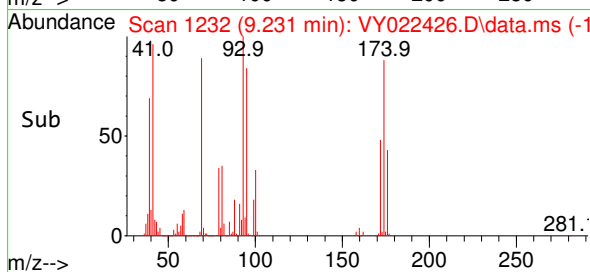
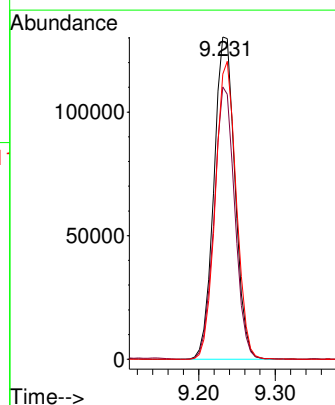
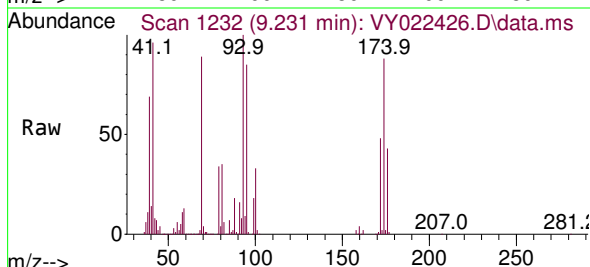
Tgt Ion: 93 Resp: 249636

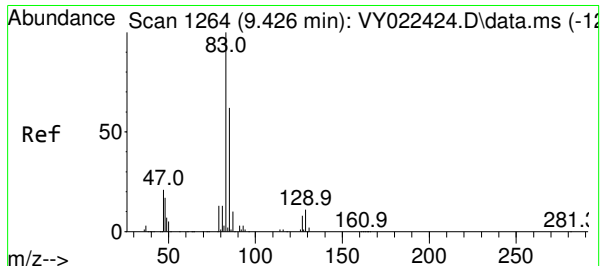
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.2

174 91.1 71.1 106.7





#47

Bromodichloromethane

Concen: 158.668 ug/l

RT: 9.426 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 63959

Ion Ratio Lower Upper

83 100

85 63.5 49.8 74.6

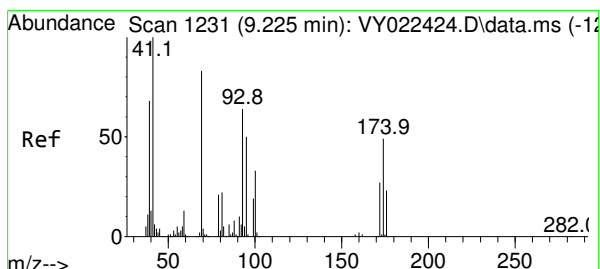
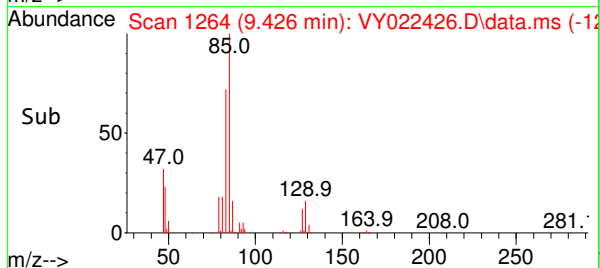
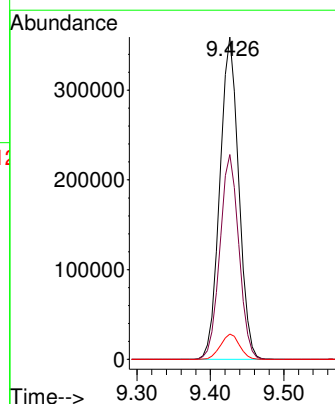
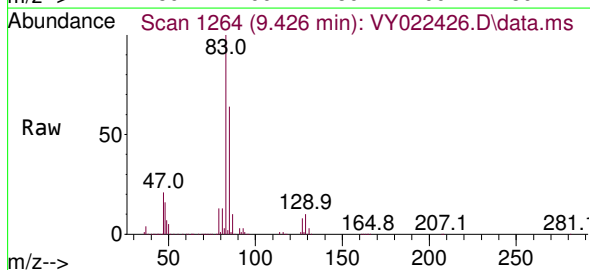
127 7.8 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#48

Methyl methacrylate

Concen: 166.922 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

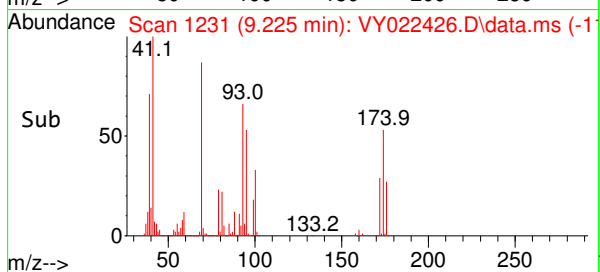
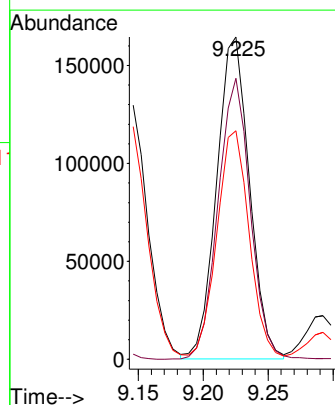
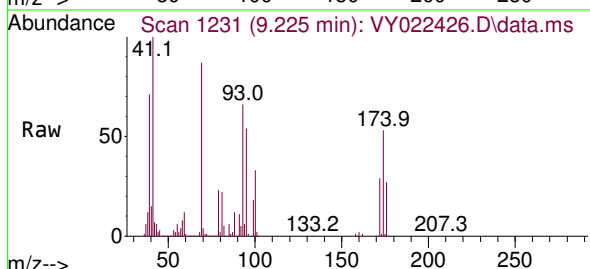
Tgt Ion: 41 Resp: 288821

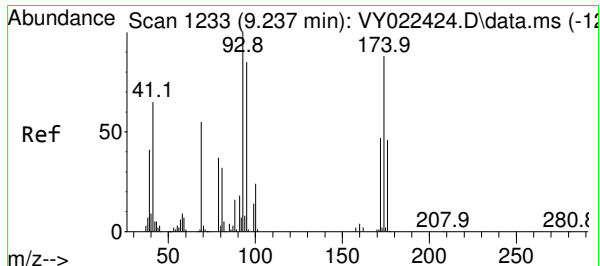
Ion Ratio Lower Upper

41 100

69 85.8 70.3 105.5

39 68.2 55.4 83.0





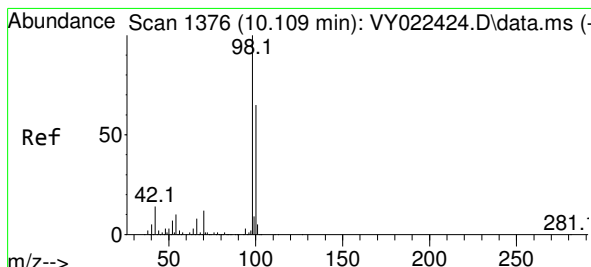
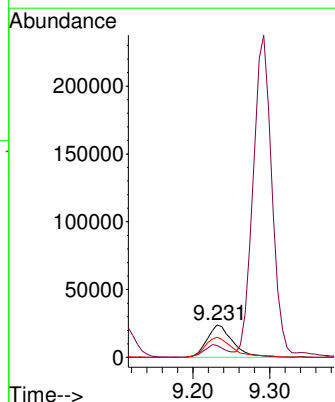
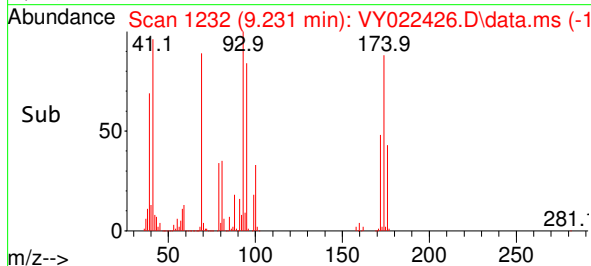
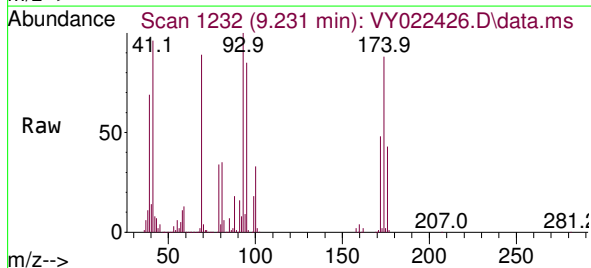
#49
1,4-Dioxane
Concen: 3228.011 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:	88	Resp:	5589
Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.9	40.3
58	67.6	55.8	83.6

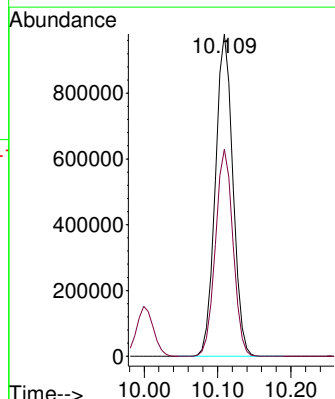
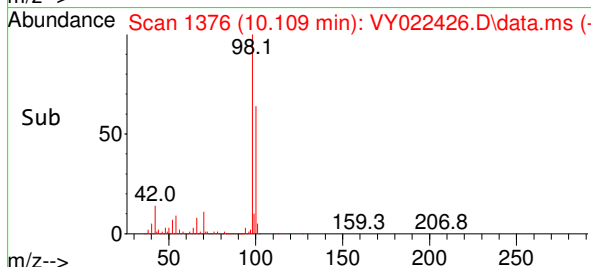
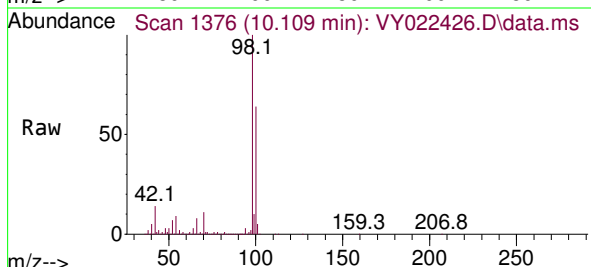
Manual Integrations
APPROVED

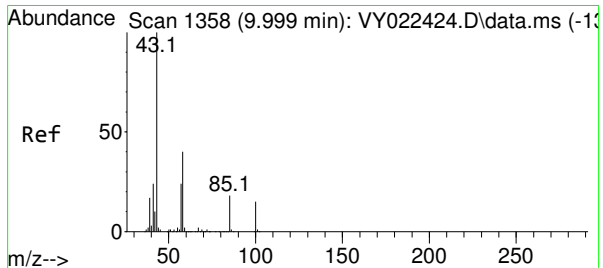
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#50
Toluene-d8
Concen: 157.262 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:	98	Resp:	1621564
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2





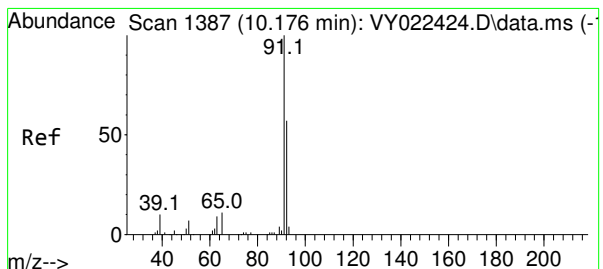
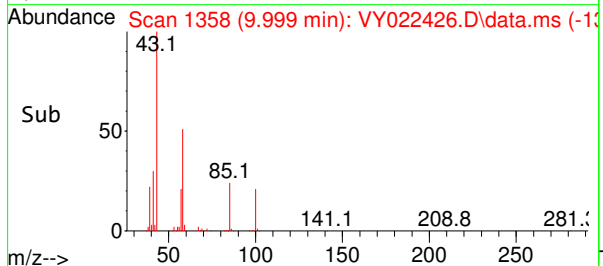
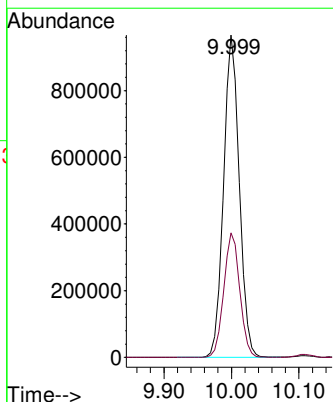
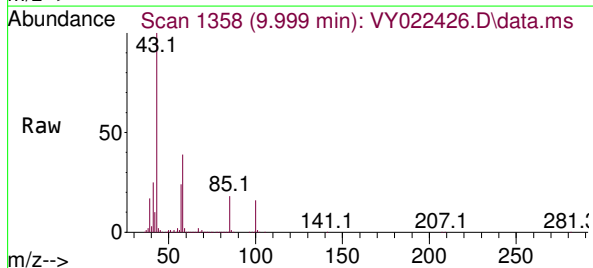
#51
4-Methyl-2-Pentanone
Concen: 851.310 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 156566
Ion Ratio Lower Upper
43 100
58 39.3 31.2 46.8

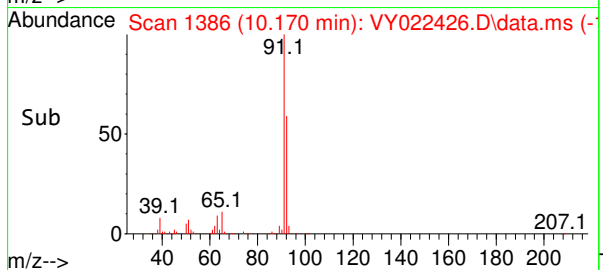
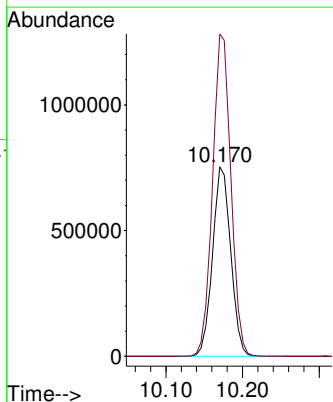
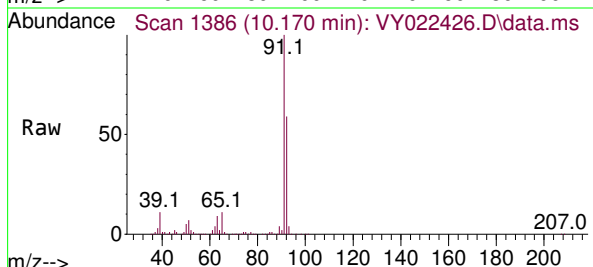
Manual Integrations
APPROVED

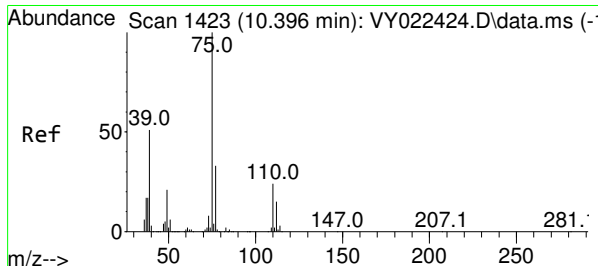
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#52
Toluene
Concen: 166.170 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 92 Resp: 1239585
Ion Ratio Lower Upper
92 100
91 171.8 139.8 209.6





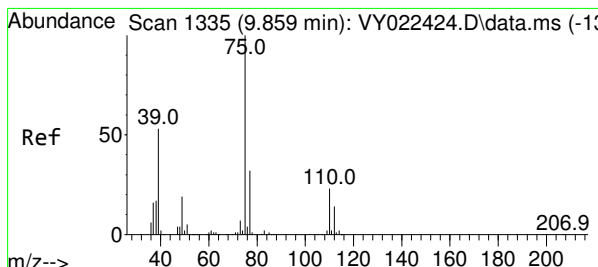
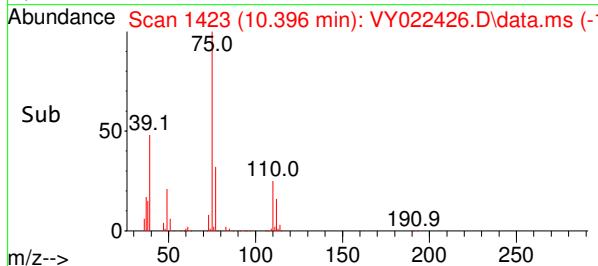
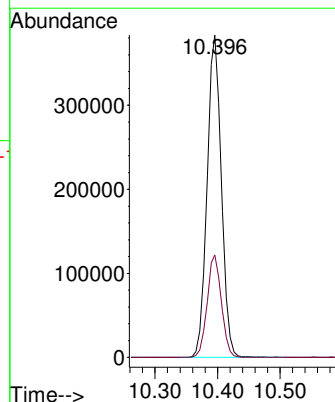
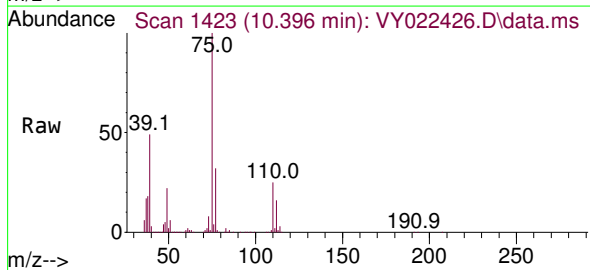
#53
t-1,3-Dichloropropene
Concen: 163.055 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 61223
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.2

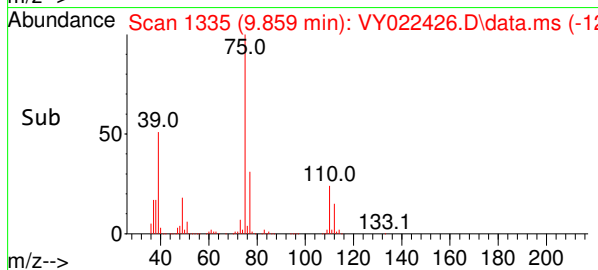
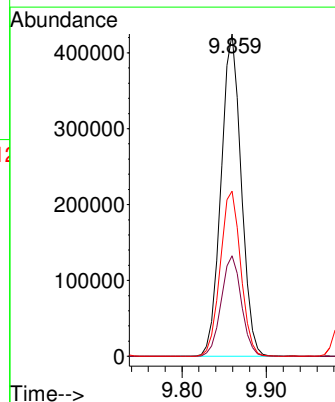
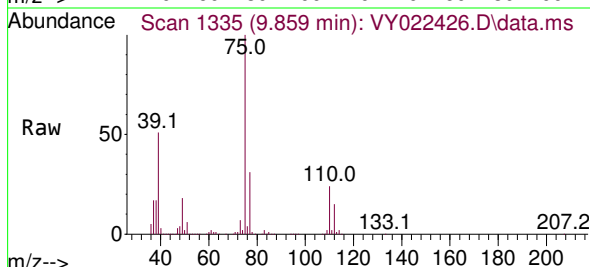
Manual Integrations
APPROVED

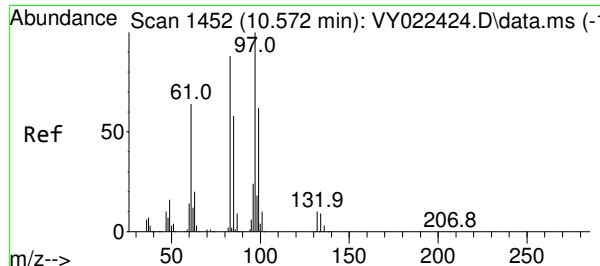
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#54
cis-1,3-Dichloropropene
Concen: 160.557 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 75 Resp: 708367
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2
39 51.2 42.5 63.7





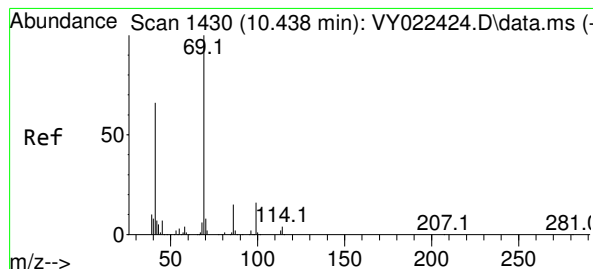
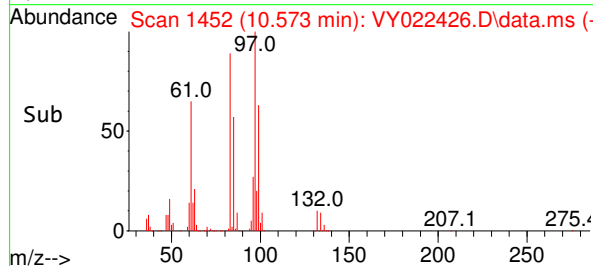
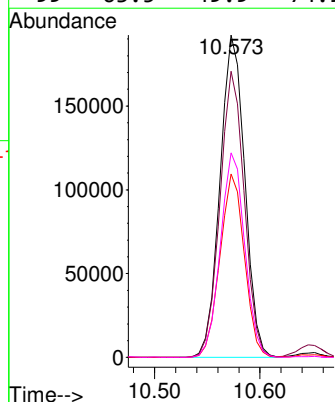
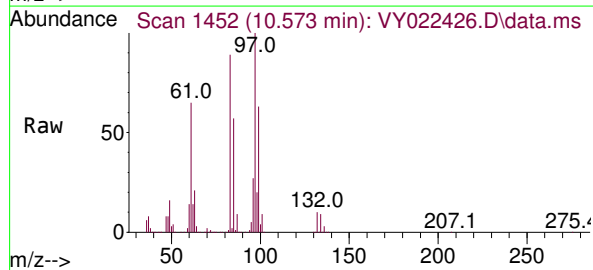
#55
1,1,2-Trichloroethane
Concen: 158.829 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.2	105.4
85	56.9	46.1	69.1
99	63.5	49.9	74.9

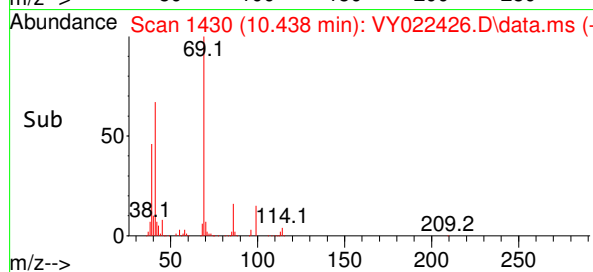
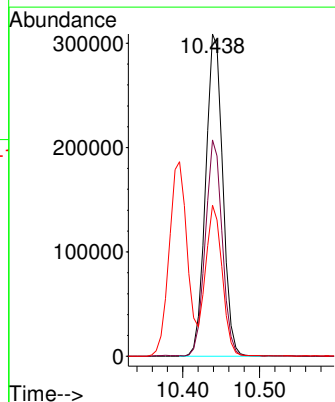
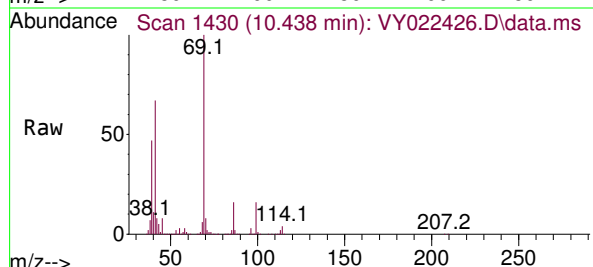
Manual Integrations
APPROVED

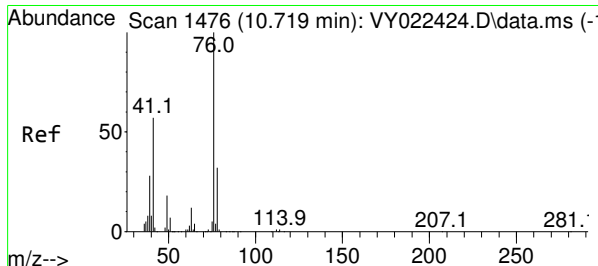
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#56
Ethyl methacrylate
Concen: 168.334 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.1	51.2	76.8
39	44.6	35.2	52.8





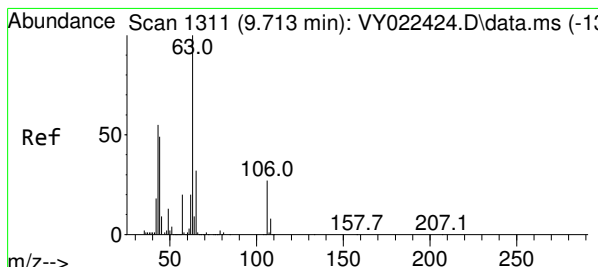
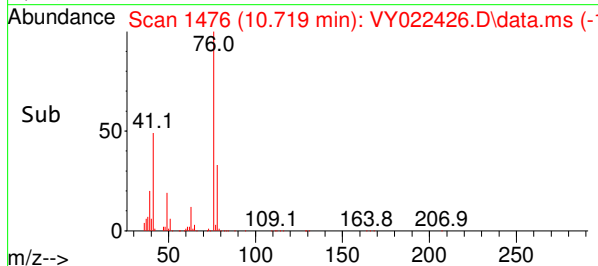
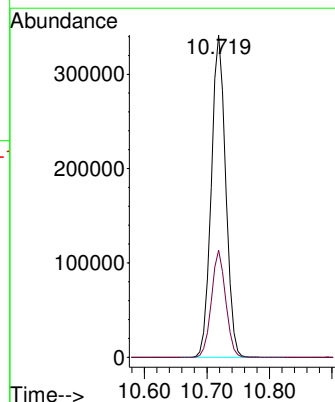
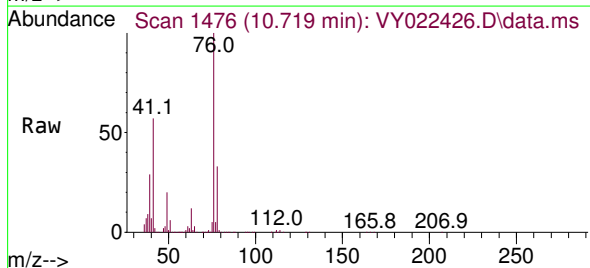
#57
1,3-Dichloropropane
Concen: 157.203 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 54904
Ion Ratio Lower Upper
76 100
78 32.9 25.8 38.8

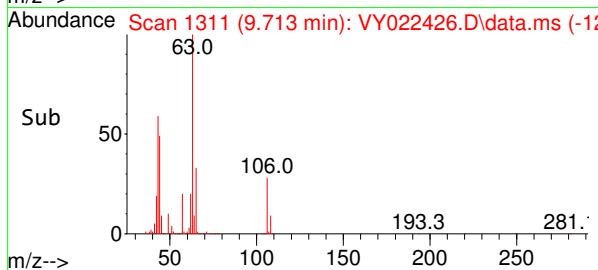
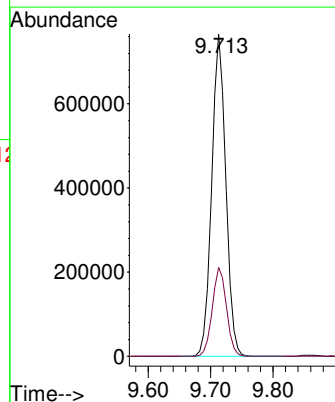
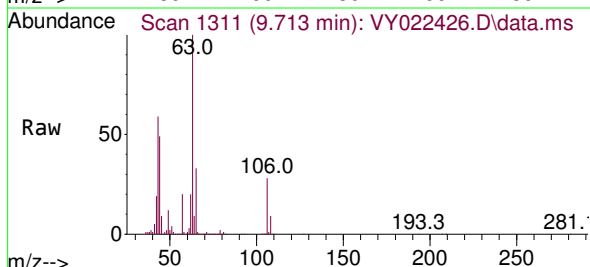
Manual Integrations
APPROVED

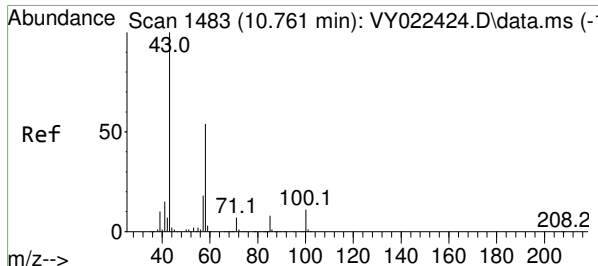
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 848.088 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 63 Resp: 1202134
Ion Ratio Lower Upper
63 100
106 27.7 22.2 33.2





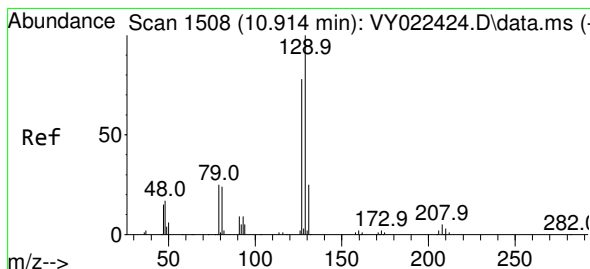
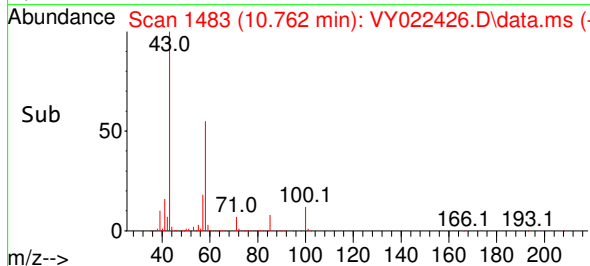
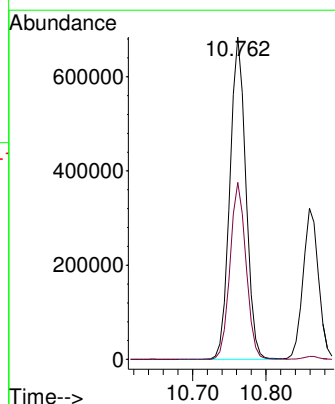
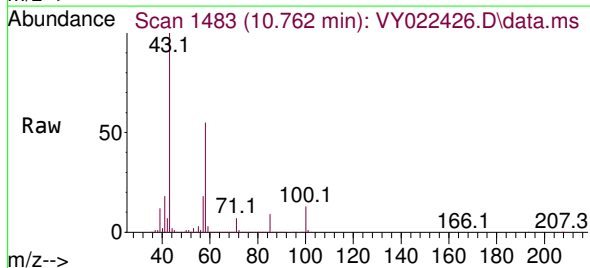
#59
2-Hexanone
Concen: 856.364 ug/l
RT: 10.762 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 103214
Ion Ratio Lower Upper
43 100
58 54.9 27.1 81.2

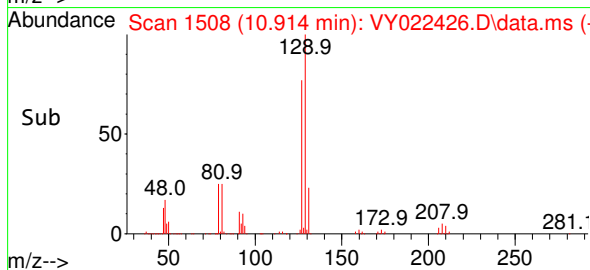
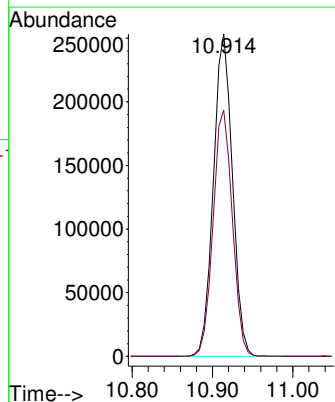
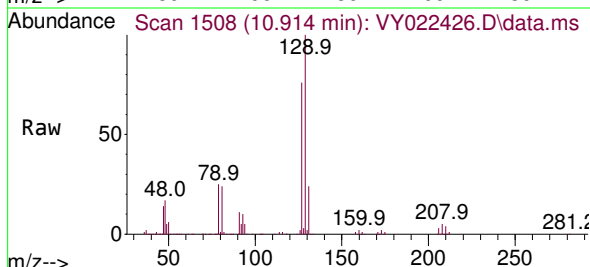
Manual Integrations
APPROVED

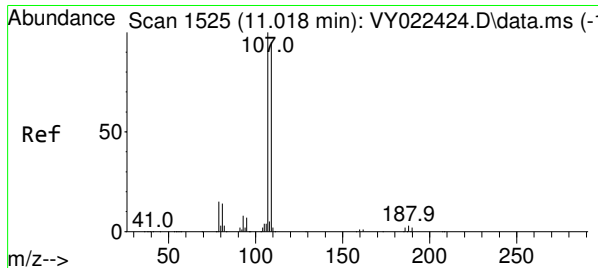
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#60
Dibromochloromethane
Concen: 164.093 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:129 Resp: 415432
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8





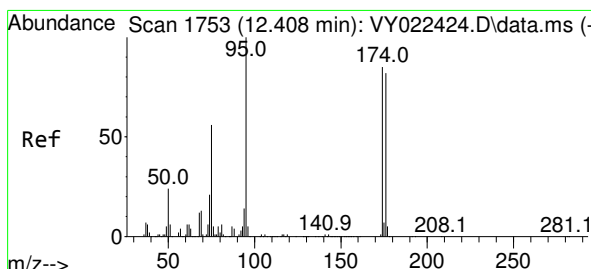
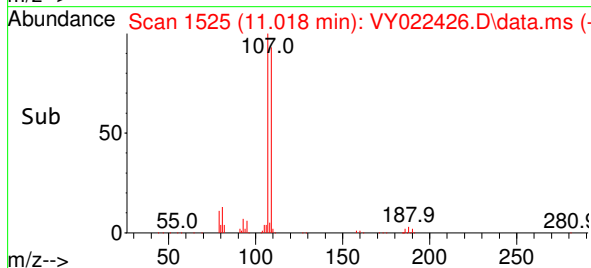
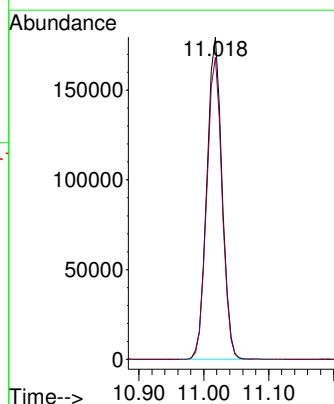
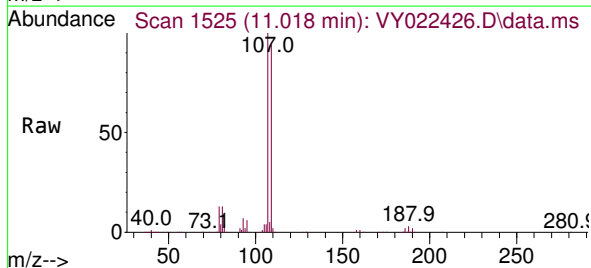
#61
1,2-Dibromoethane
Concen: 161.091 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 107 Resp: 29201
Ion Ratio Lower Upper
107 100
109 94.3 74.0 111.6

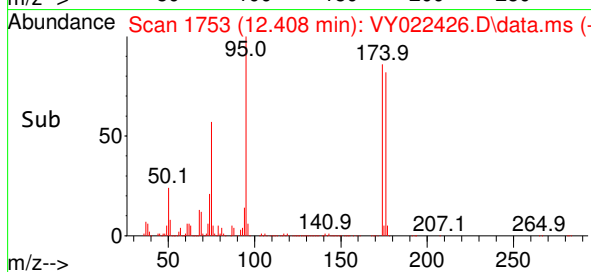
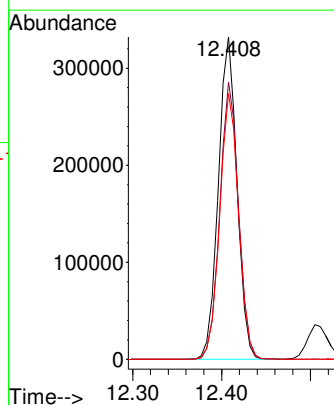
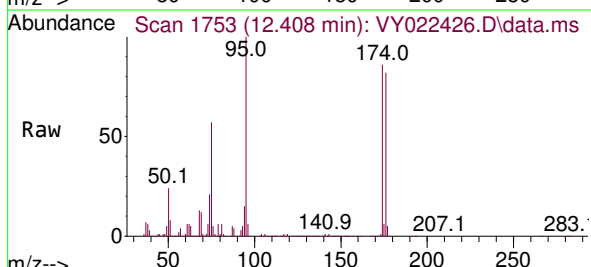
Manual Integrations
APPROVED

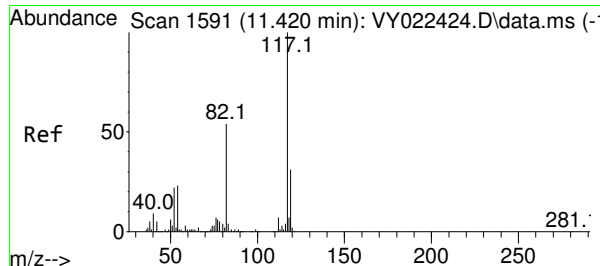
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#62
4-Bromofluorobenzene
Concen: 156.173 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 95 Resp: 487100
Ion Ratio Lower Upper
95 100
174 86.4 0.0 171.6
176 83.6 0.0 164.6





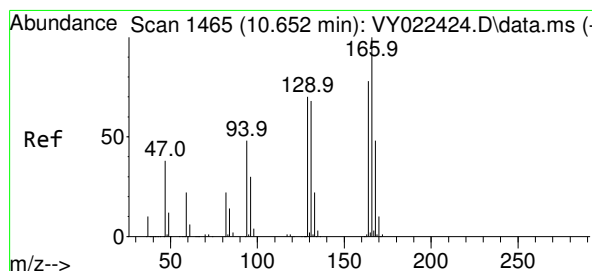
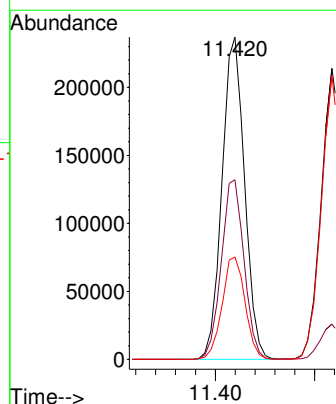
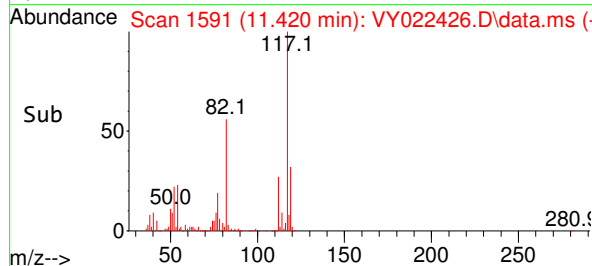
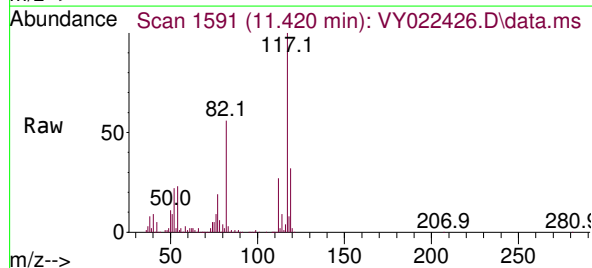
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.3	64.9
119	31.7	24.5	36.7

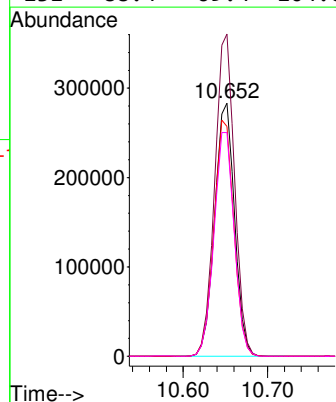
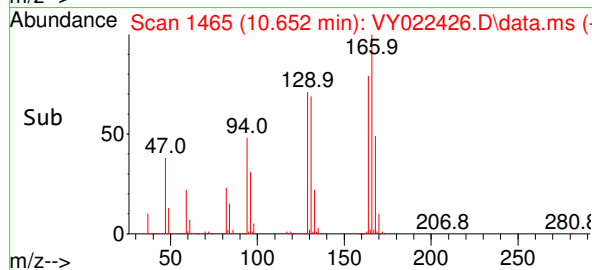
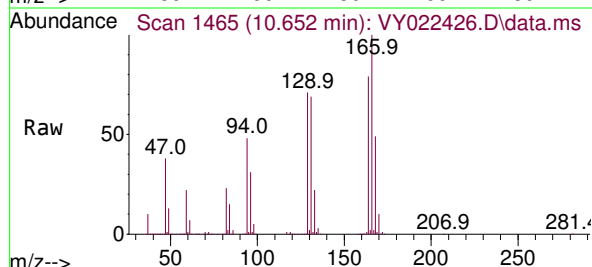
Manual Integrations
APPROVED

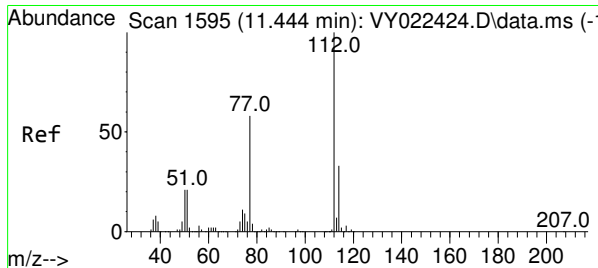
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#64
Tetrachloroethene
Concen: 145.442 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.0	153.0
129	90.7	71.3	106.9
131	88.4	69.4	104.0





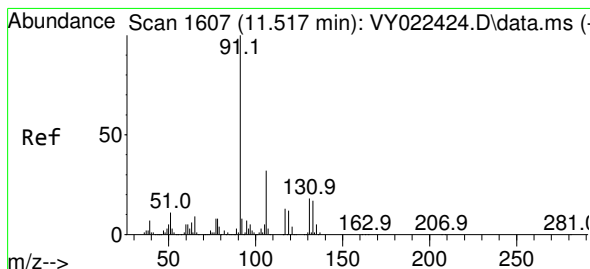
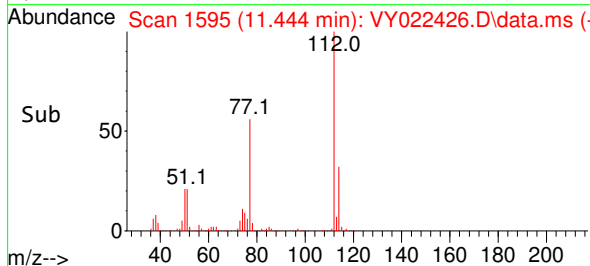
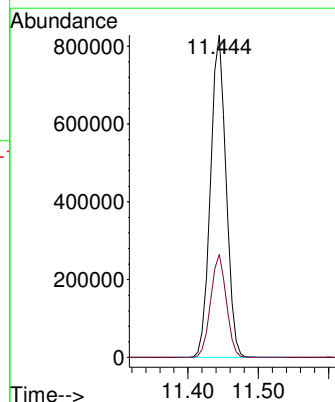
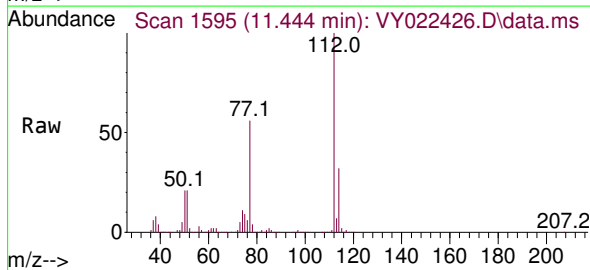
#65
Chlorobenzene
Concen: 158.560 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 127336
Ion Ratio Lower Upper
112 100
114 31.9 26.1 39.1

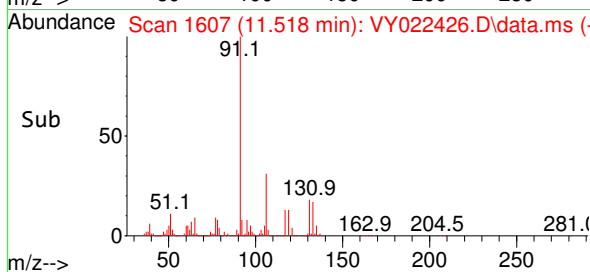
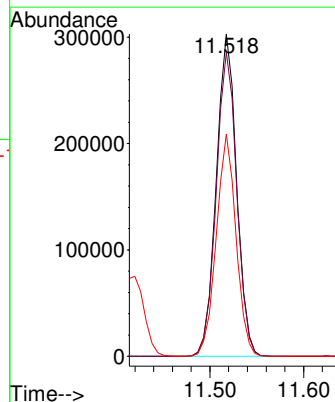
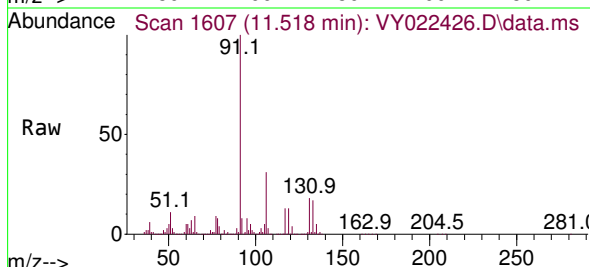
Manual Integrations
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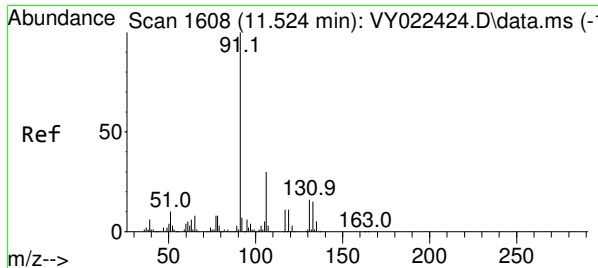
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 166.998 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:131 Resp: 454374
Ion Ratio Lower Upper
131 100
133 95.4 46.6 139.8
119 67.3 33.3 99.8





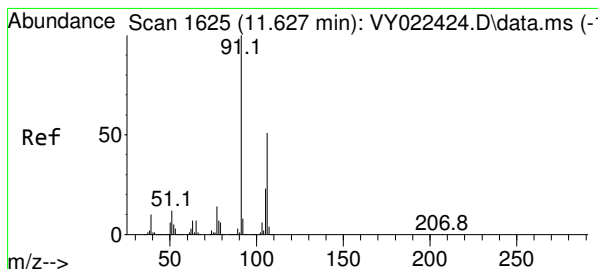
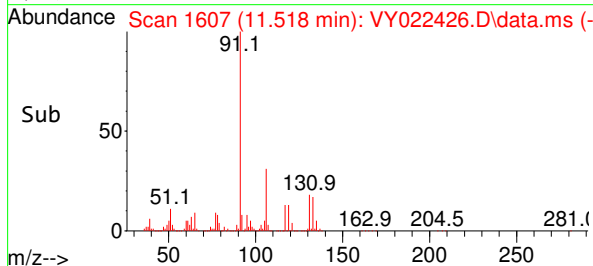
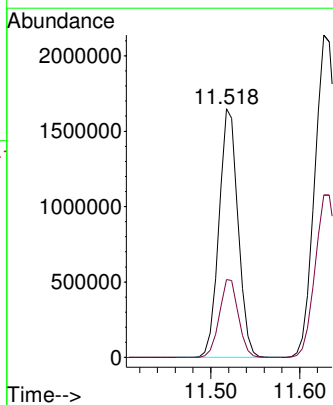
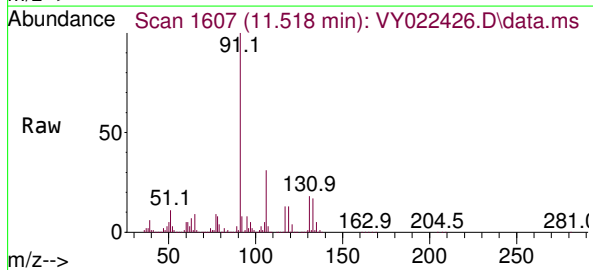
#67
Ethyl Benzene
Concen: 165.526 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 246813
Ion Ratio Lower Upper
91 100
106 31.3 24.4 36.6

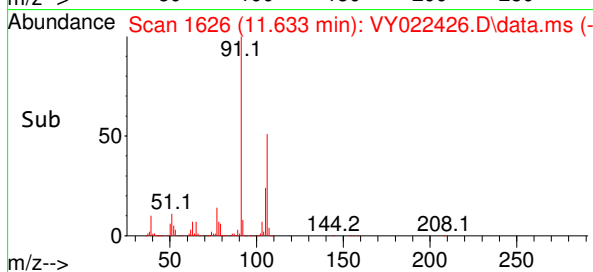
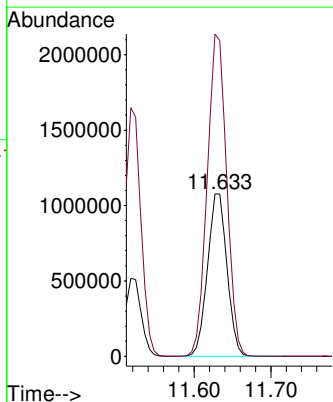
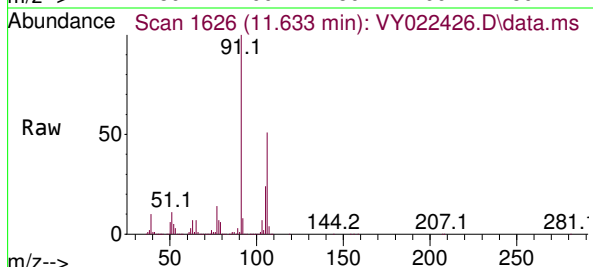
Manual Integrations
APPROVED

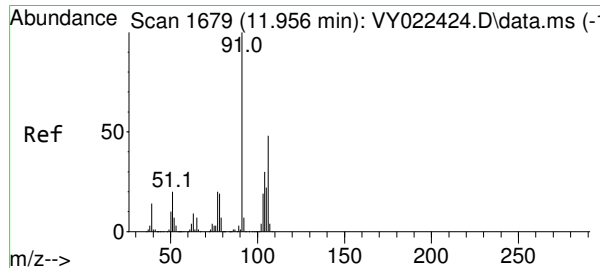
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#68
m/p-Xylenes
Concen: 336.111 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:106 Resp: 1900132
Ion Ratio Lower Upper
106 100
91 198.3 159.8 239.8





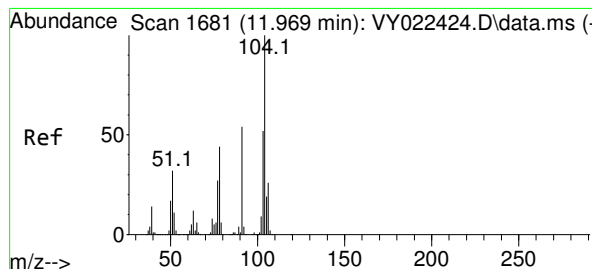
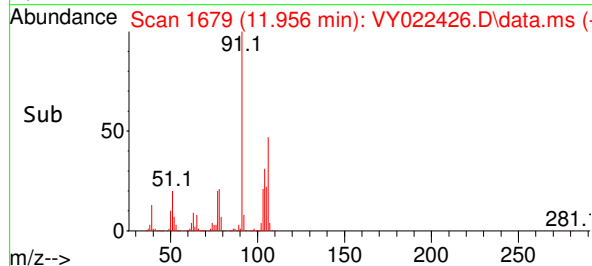
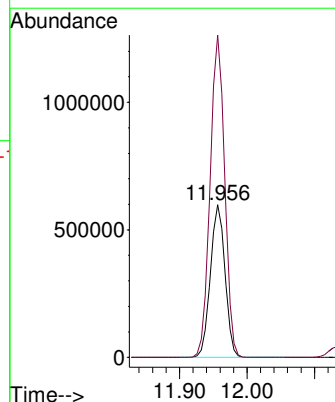
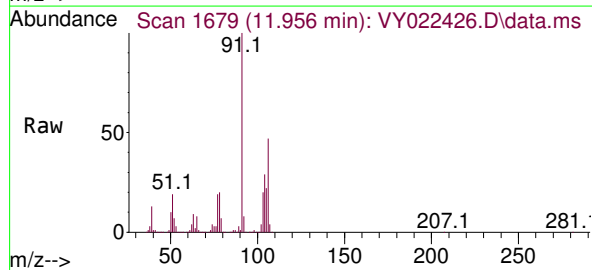
#69
o-Xylene
Concen: 168.335 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 89439
Ion Ratio Lower Upper
106 100
91 210.6 106.3 318.9

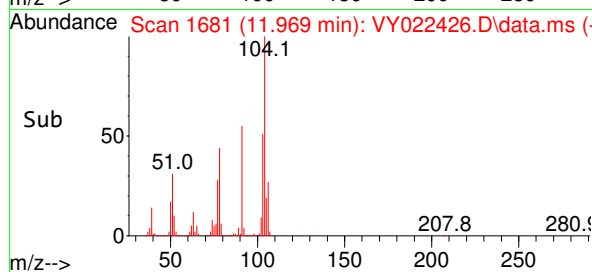
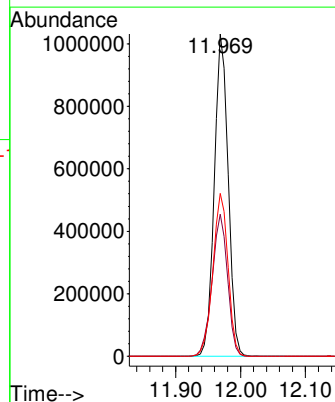
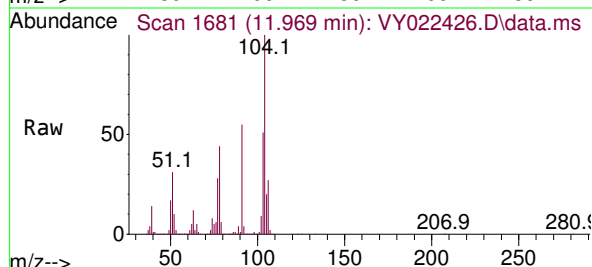
Manual Integrations
APPROVED

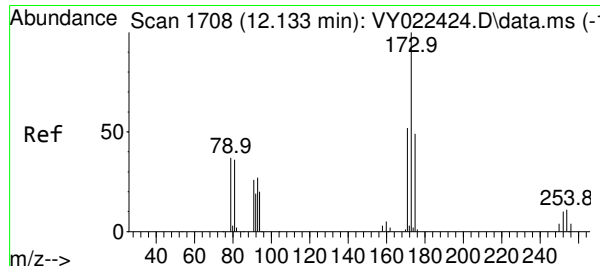
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#70
Styrene
Concen: 173.504 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:104 Resp: 1535004
Ion Ratio Lower Upper
104 100
78 48.8 38.8 58.2
103 54.9 43.4 65.2





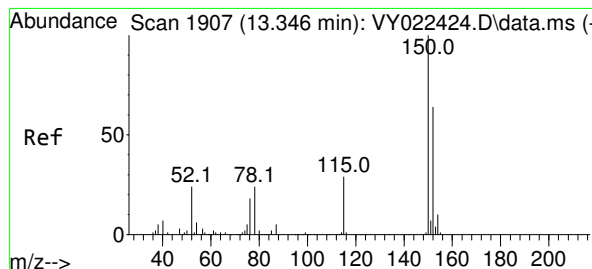
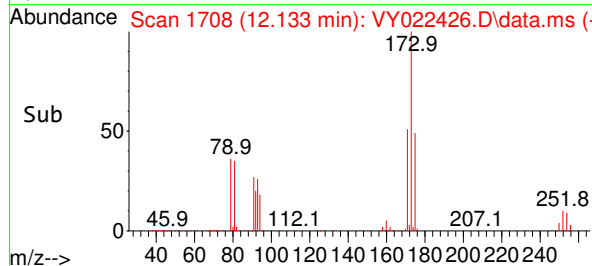
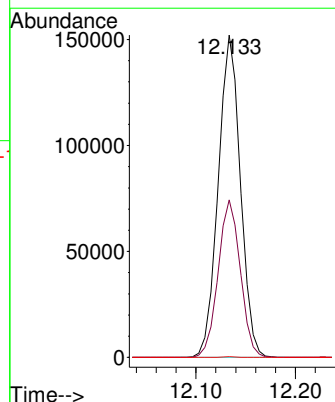
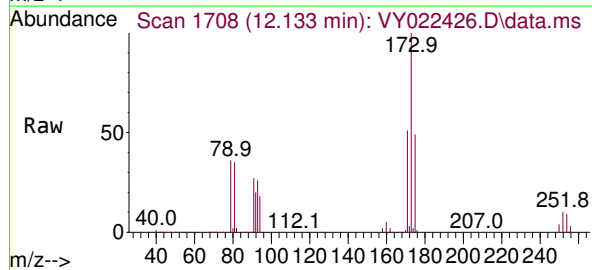
#71
Bromoform
Concen: 166.508 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.1	0.1	0.1

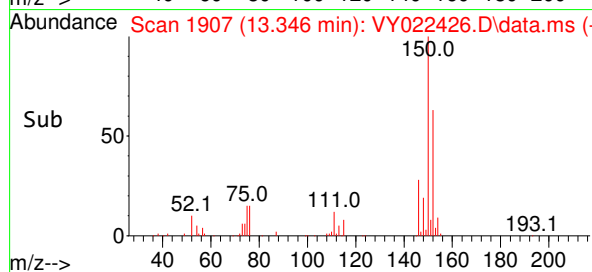
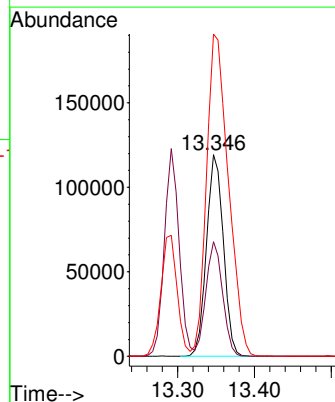
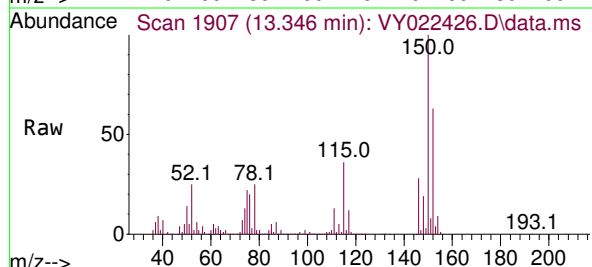
Manual Integrations
APPROVED

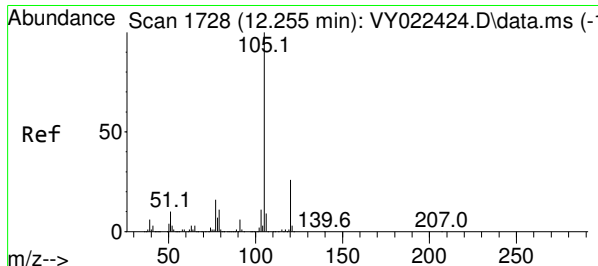
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.4	85.3
150	206.8	0.0	345.8





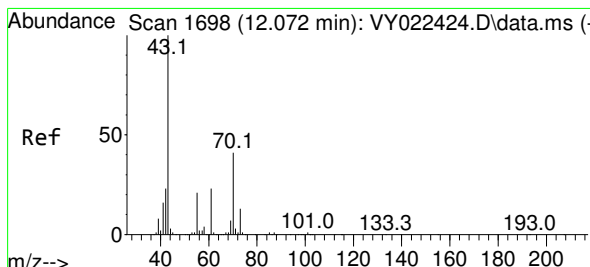
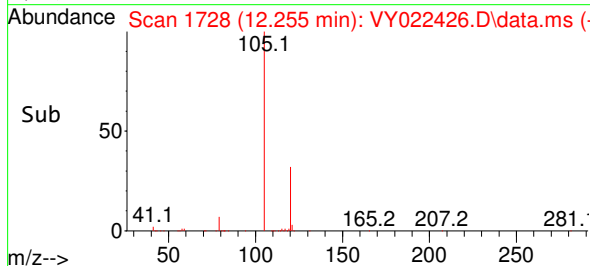
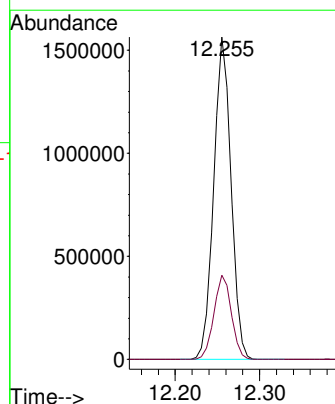
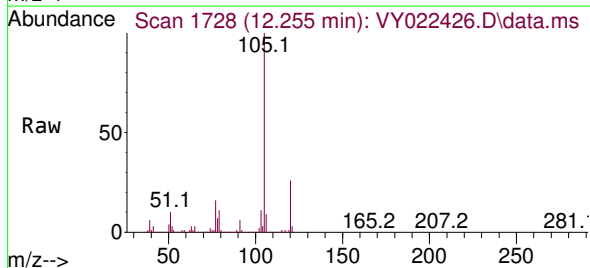
#73
Isopropylbenzene
Concen: 155.735 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 223898
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

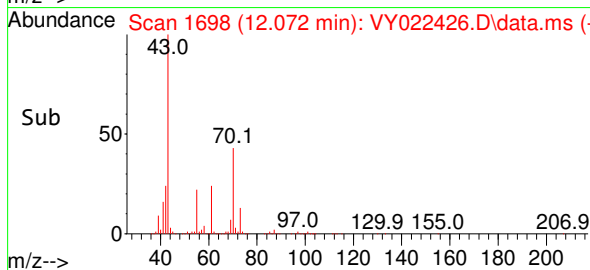
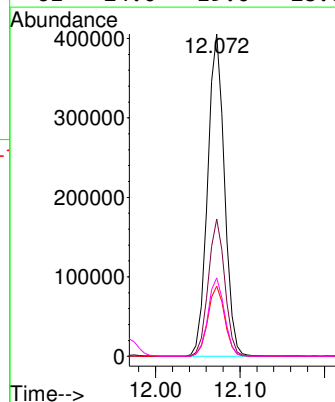
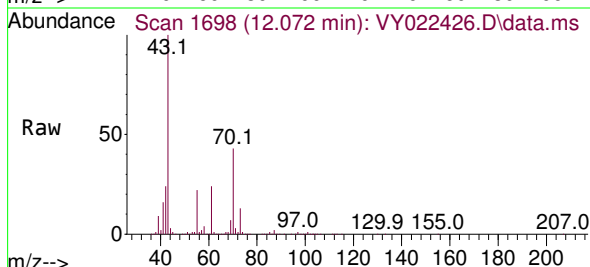
Manual Integrations
APPROVED

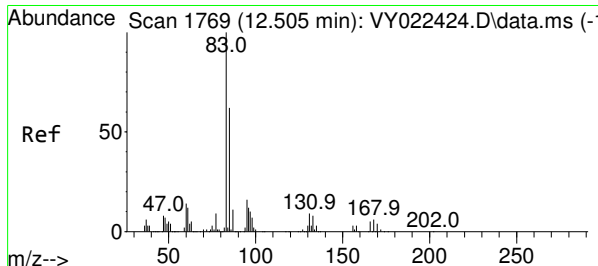
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#74
N-ethyl acetate
Concen: 159.709 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 43 Resp: 561846
Ion Ratio Lower Upper
43 100
70 42.0 33.0 49.4
55 22.1 17.5 26.3
61 24.0 19.0 28.6





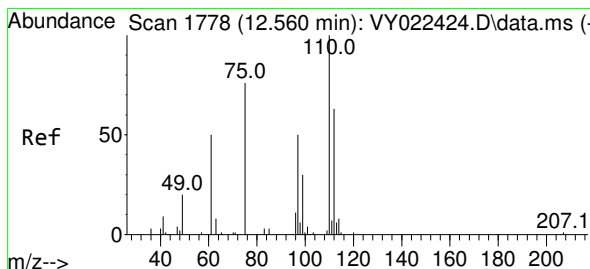
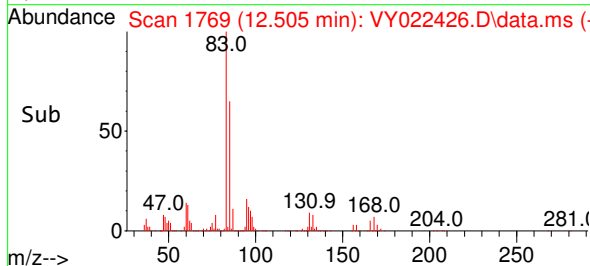
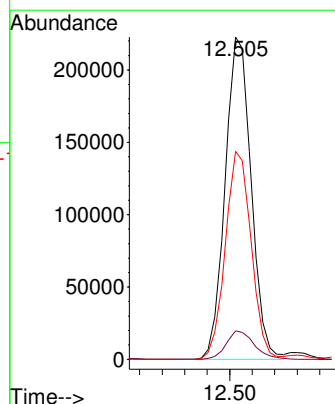
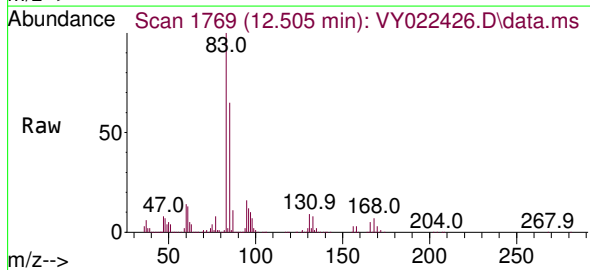
#75
1,1,2,2-Tetrachloroethane
Concen: 157.873 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.2	32.0	96.2

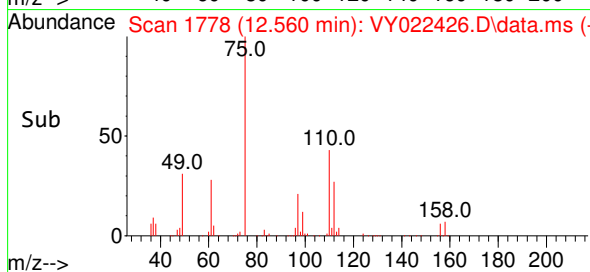
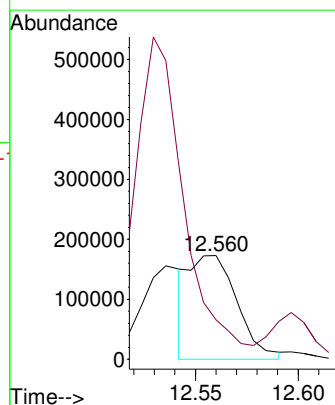
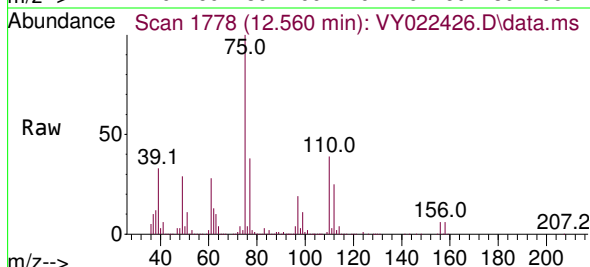
Manual Integrations
APPROVED

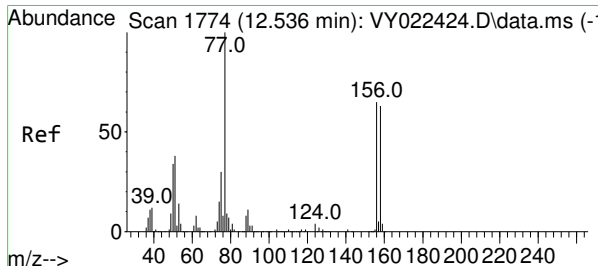
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#76
1,2,3-Trichloropropane
Concen: 93.124 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





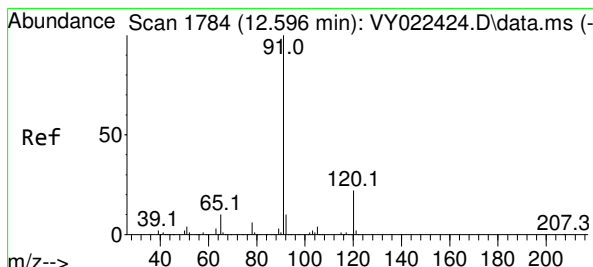
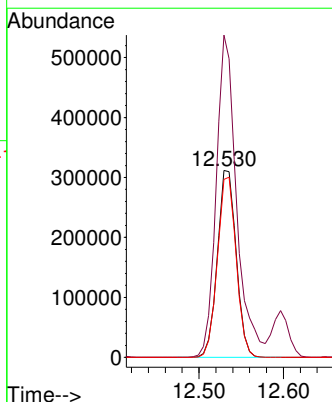
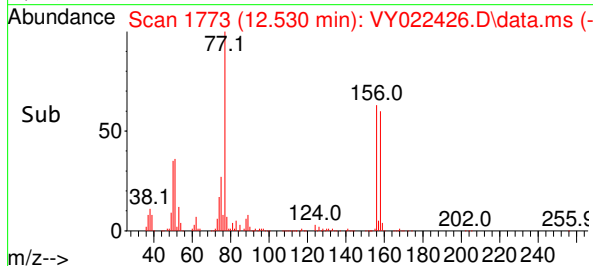
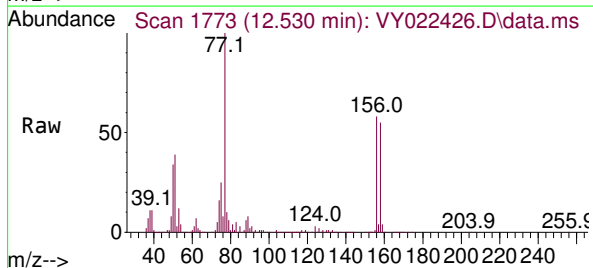
#77
Bromobenzene
Concen: 156.697 ug/l
RT: 12.530 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 48479
Ion Ratio Lower Upper
156 100
77 186.6 91.4 274.2
158 96.3 48.1 144.3

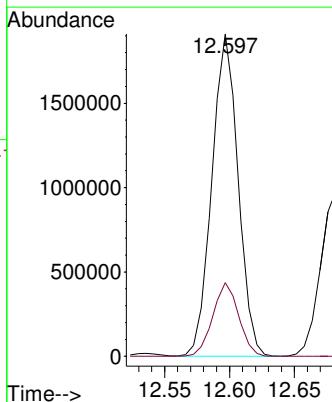
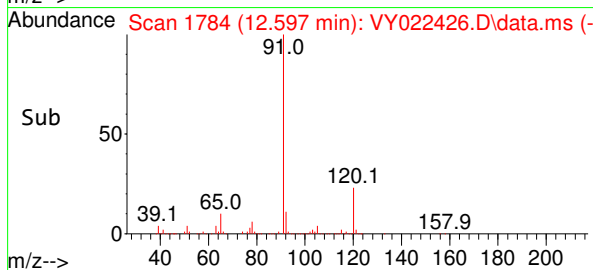
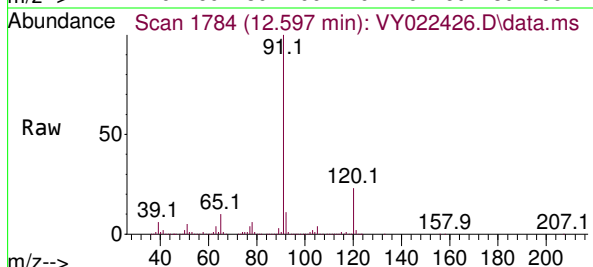
Manual Integrations
APPROVED

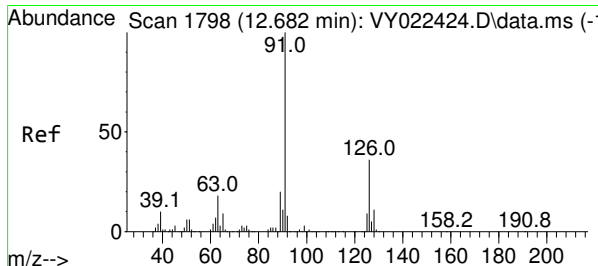
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#78
n-propylbenzene
Concen: 155.406 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 91 Resp: 2681276
Ion Ratio Lower Upper
91 100
120 22.5 11.2 33.5





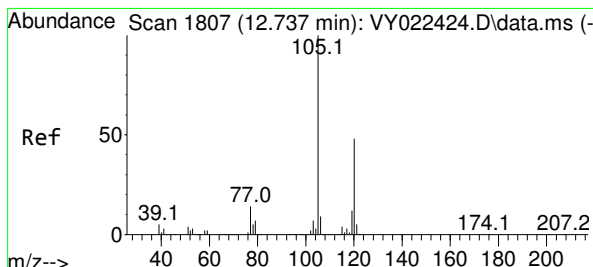
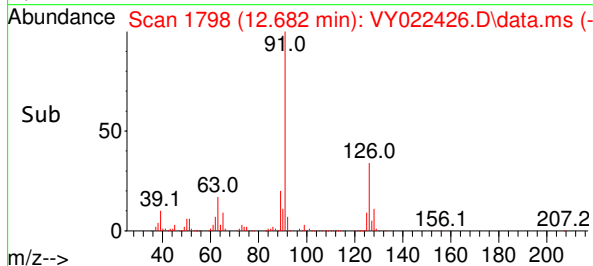
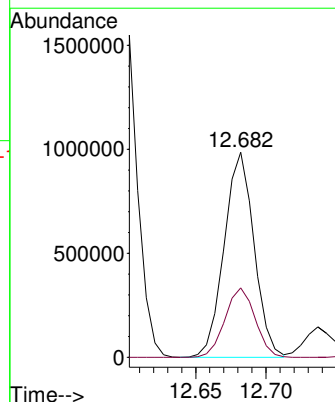
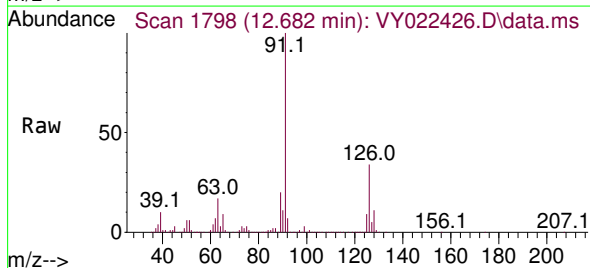
#79
2-Chlorotoluene
Concen: 155.407 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 145143
Ion Ratio Lower Upper
91 100
126 34.3 17.4 52.3

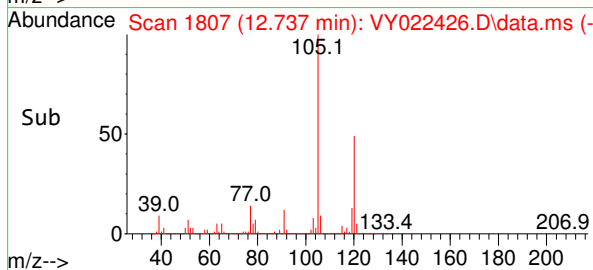
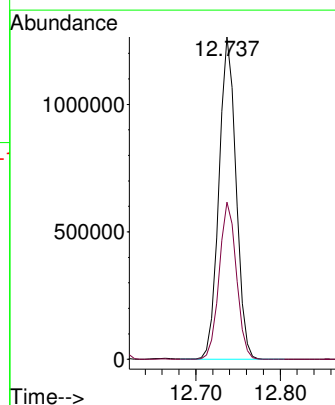
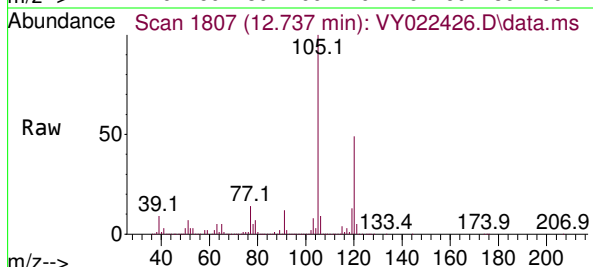
Manual Integrations
APPROVED

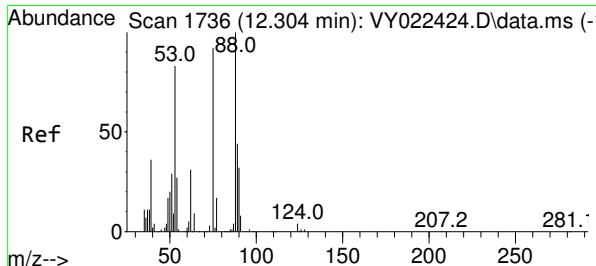
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 158.958 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:105 Resp: 1785622
Ion Ratio Lower Upper
105 100
120 49.1 24.3 73.0





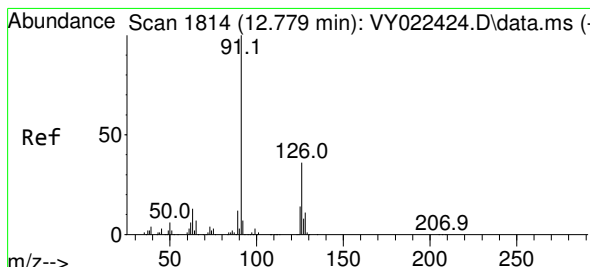
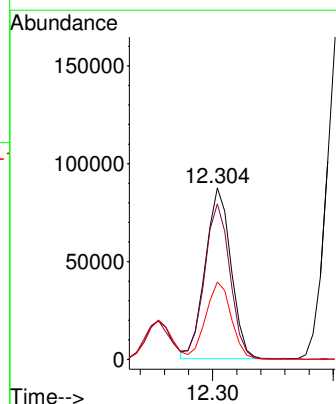
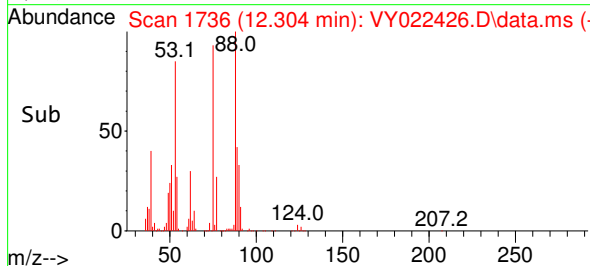
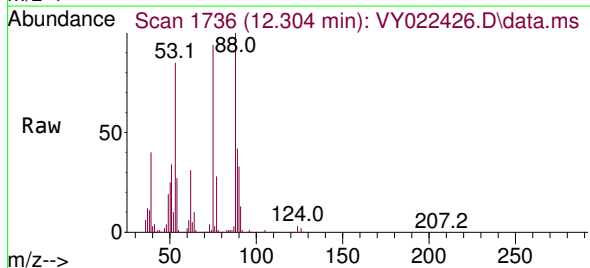
#81
trans-1,4-Dichloro-2-butene
Concen: 160.016 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	89.5	75.1	112.7
89	44.7	37.4	56.0

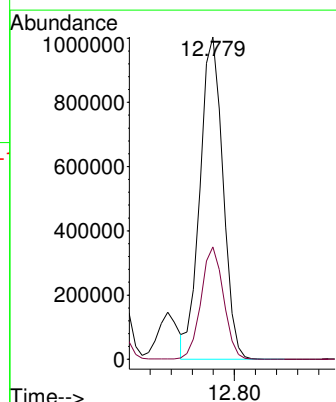
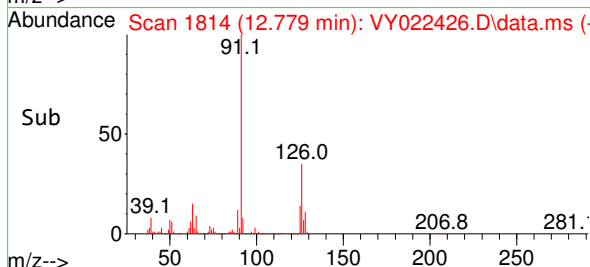
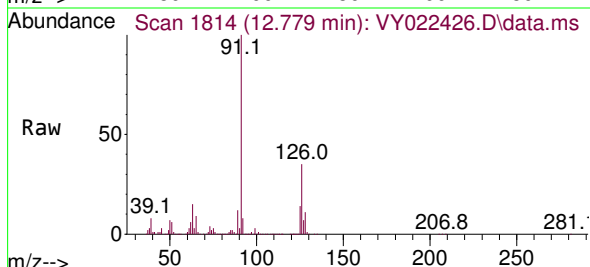
Manual Integrations
APPROVED

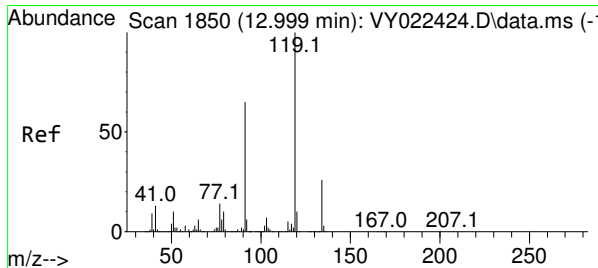
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#82
4-Chlorotoluene
Concen: 157.395 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.2	51.6





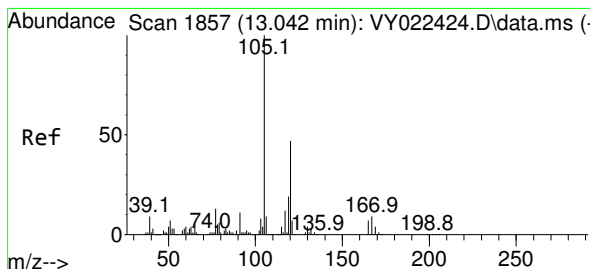
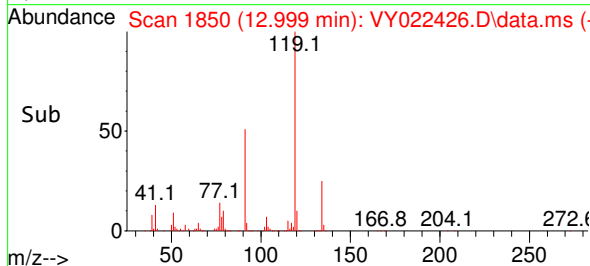
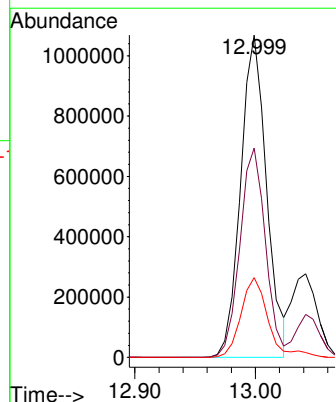
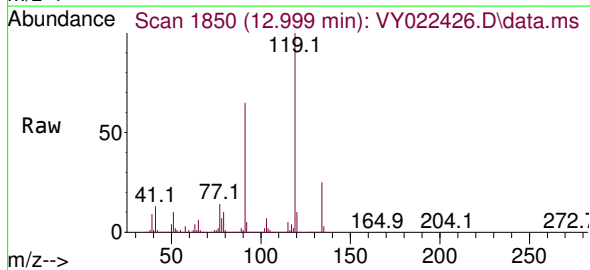
#83
tert-Butylbenzene
Concen: 157.076 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 159419
Ion Ratio Lower Upper
119 100
91 63.9 31.8 95.3
134 26.0 13.0 38.9

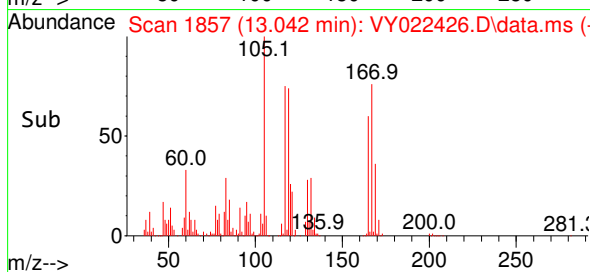
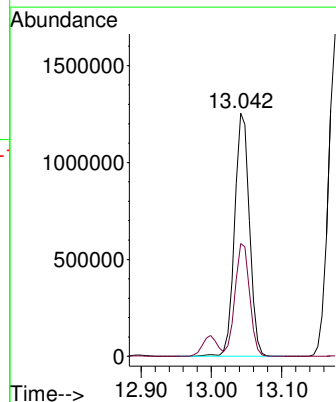
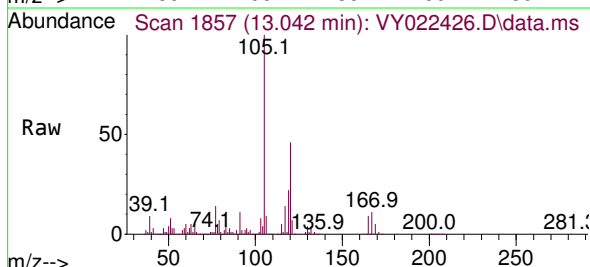
Manual Integrations
APPROVED

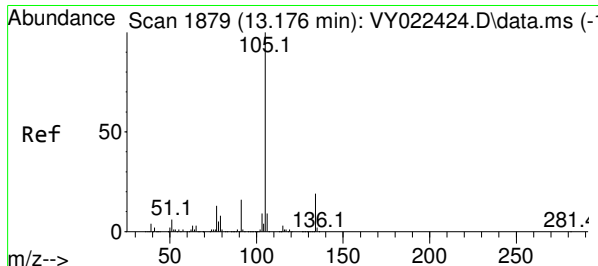
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 162.038 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:105 Resp: 1831722
Ion Ratio Lower Upper
105 100
120 45.6 22.9 68.5





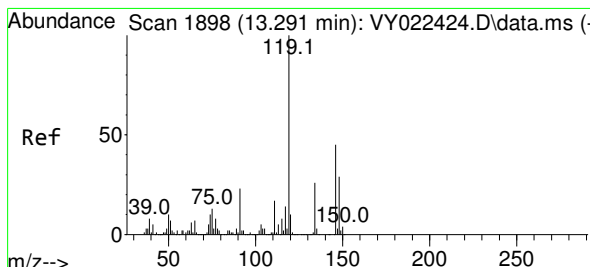
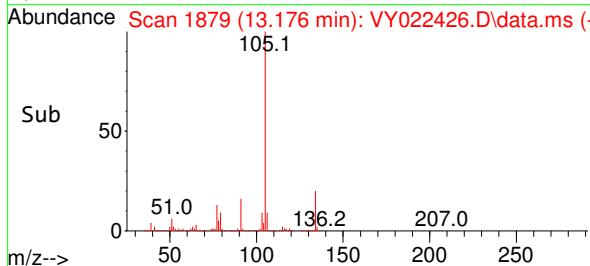
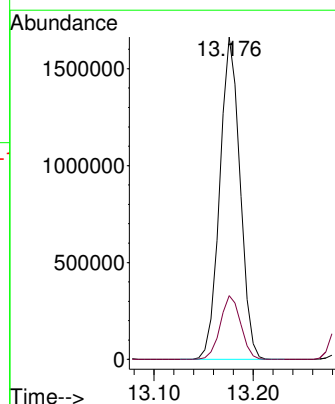
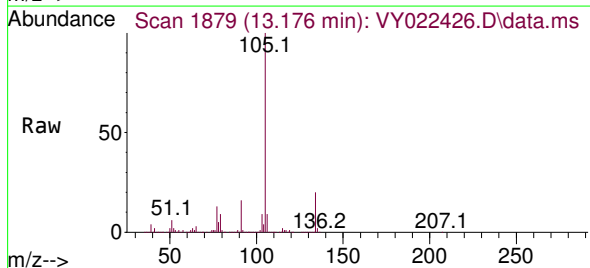
#85
 sec-Butylbenzene
 Concen: 157.674 ug/l
 RT: 13.176 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VY022426.D
 Acq: 27 May 2025 10:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 237321
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.7 29.1

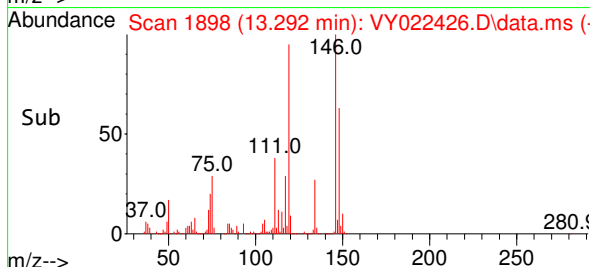
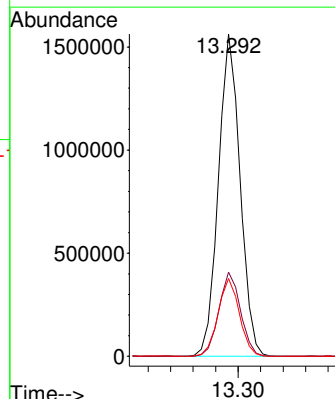
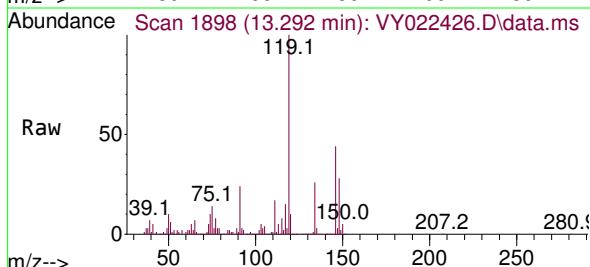
Manual Integrations
 APPROVED

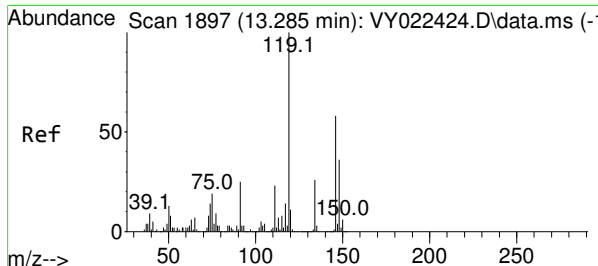
Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025



#86
 p-Isopropyltoluene
 Concen: 165.843 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY022426.D
 Acq: 27 May 2025 10:44

Tgt Ion:119 Resp: 2084441
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 23.8 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 164.991 ug/l

RT: 13.292 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 102708

Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.8

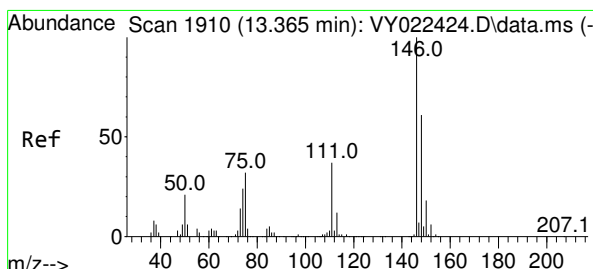
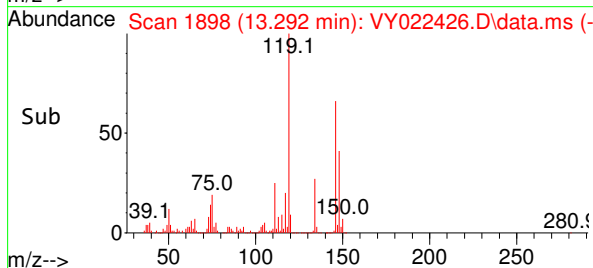
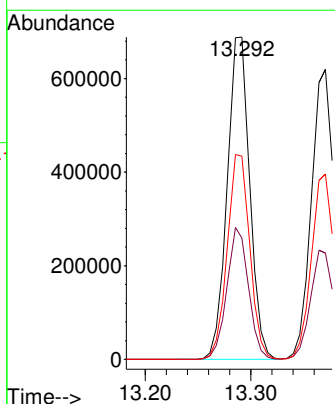
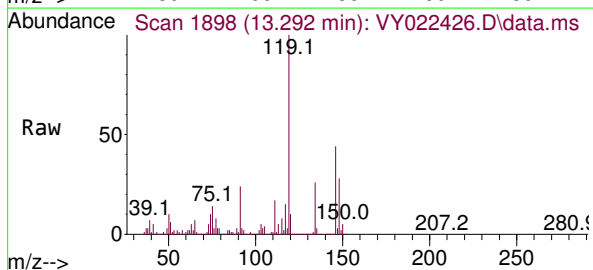
148 63.6 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#88

1,4-Dichlorobenzene

Concen: 155.292 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY022426.D

Acq: 27 May 2025 10:44

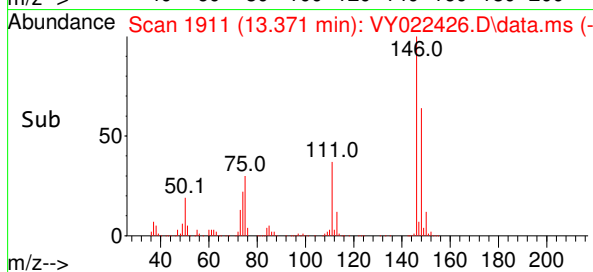
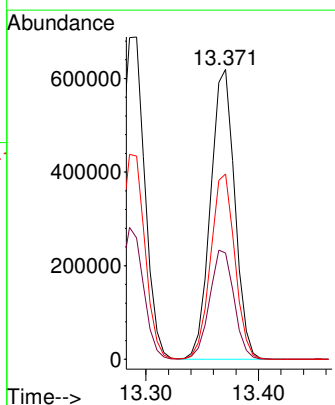
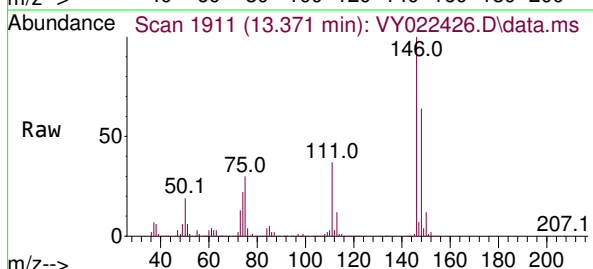
Tgt Ion:146 Resp: 924346

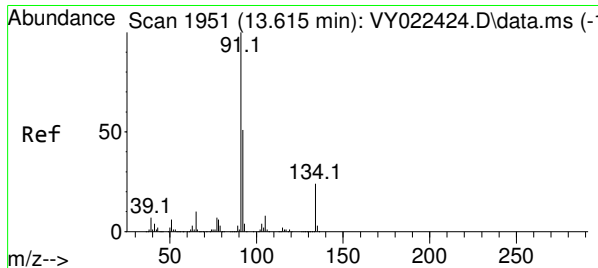
Ion Ratio Lower Upper

146 100

111 37.9 18.7 56.1

148 64.0 31.4 94.3





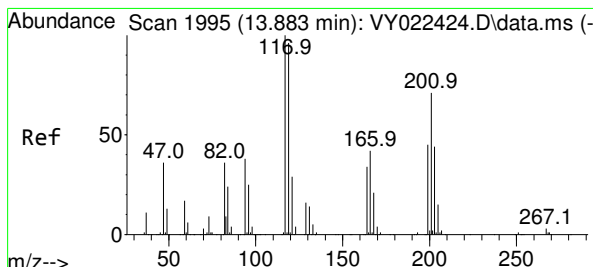
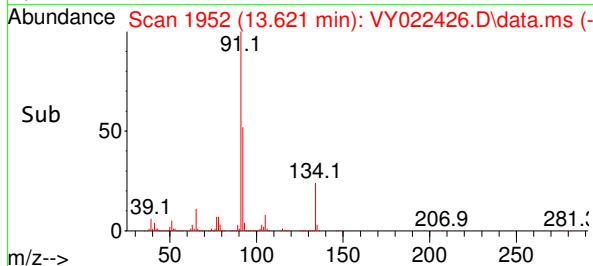
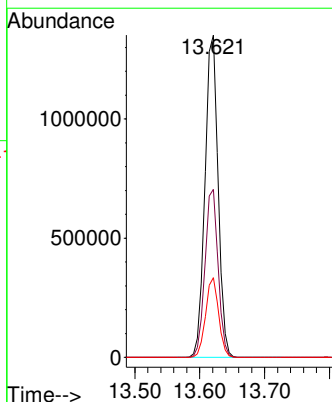
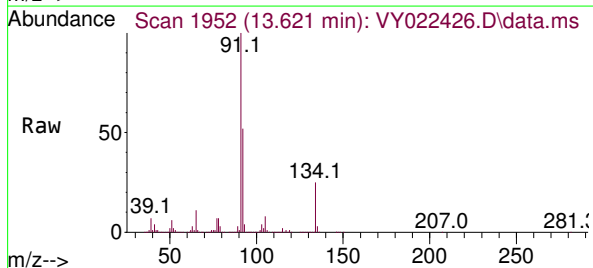
#89
n-Butylbenzene
Concen: 160.316 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:	91	Resp:	188927
Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.6
134	24.5	12.4	37.6

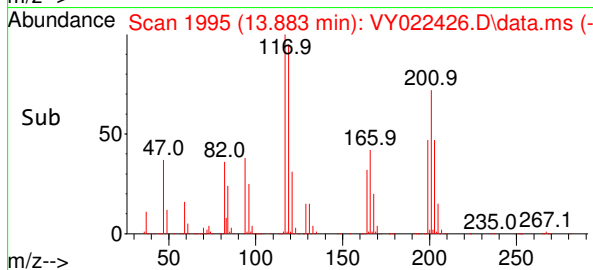
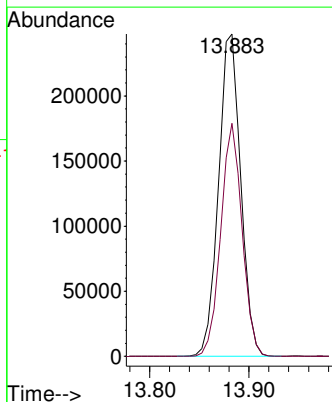
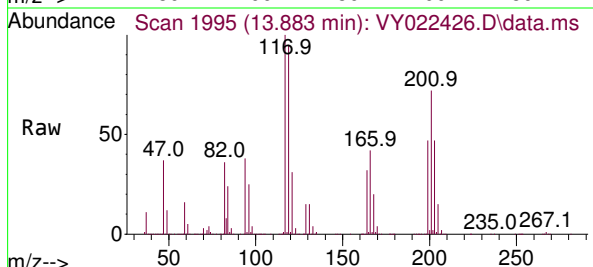
Manual Integrations
APPROVED

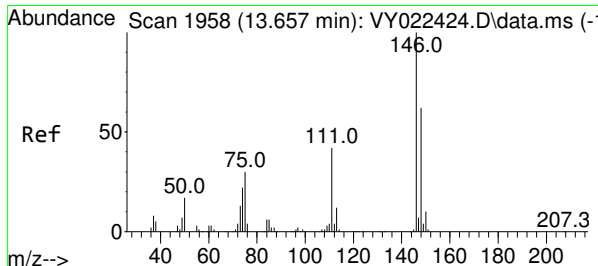
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#90
Hexachloroethane
Concen: 154.660 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:	117	Resp:	386833
Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.0	105.0





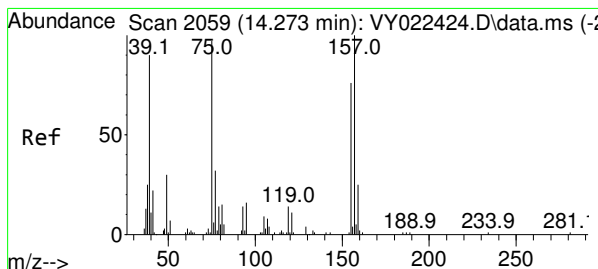
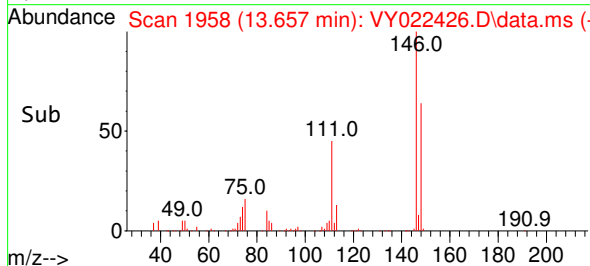
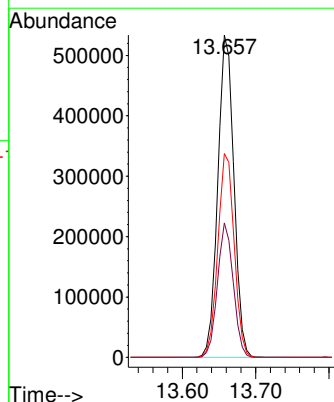
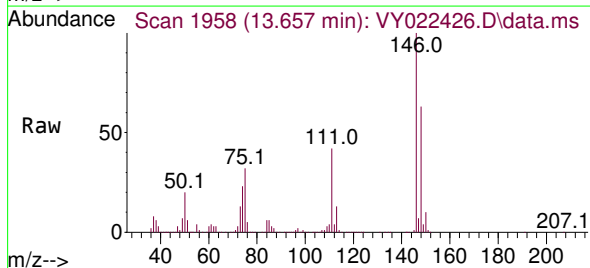
#91
1,2-Dichlorobenzene
Concen: 156.218 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 146 Resp: 81226
Ion Ratio Lower Upper
146 100
111 40.9 20.5 61.6
148 64.2 31.9 95.9

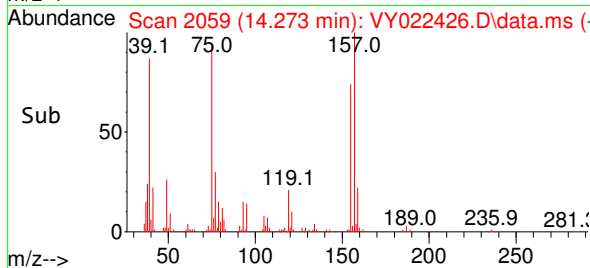
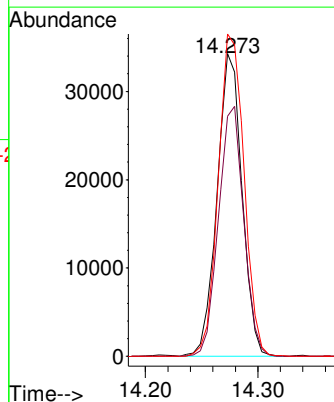
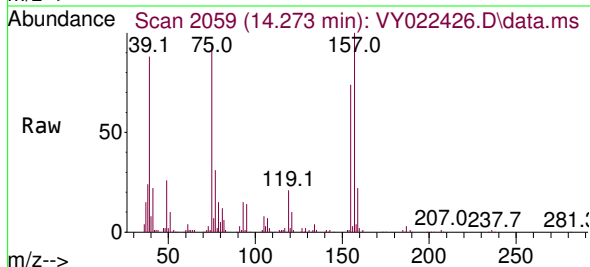
Manual Integrations
APPROVED

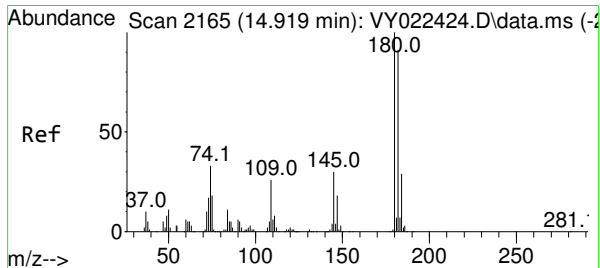
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 150.784 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 75 Resp: 52777
Ion Ratio Lower Upper
75 100
155 83.4 42.3 126.8
157 109.9 54.4 163.3





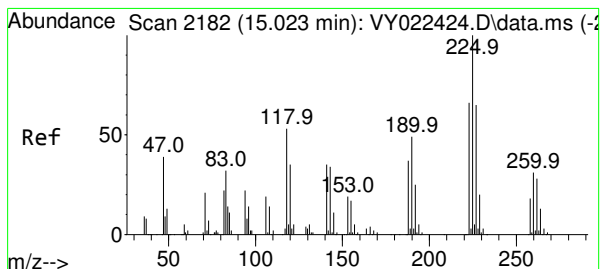
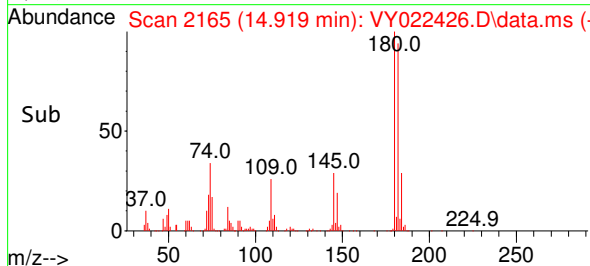
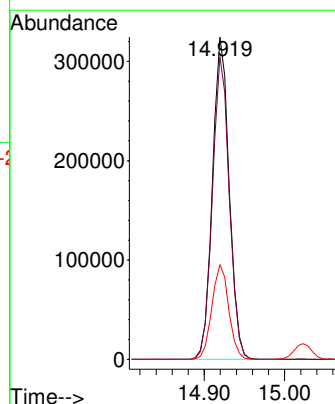
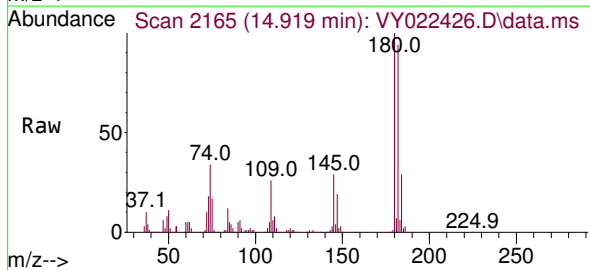
#93
1,2,4-Trichlorobenzene
Concen: 162.662 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.2	138.6
145	29.6	14.2	42.8

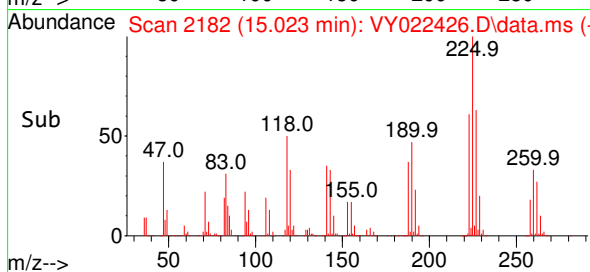
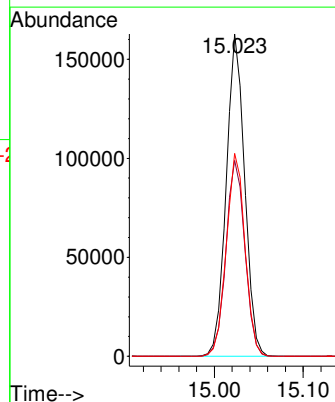
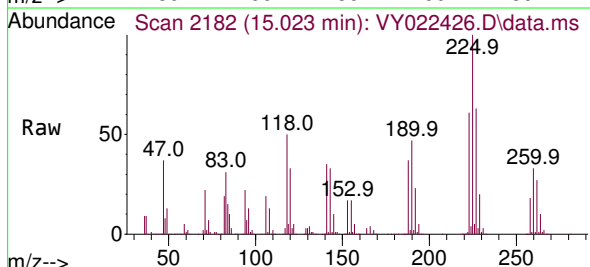
Manual Integrations
APPROVED

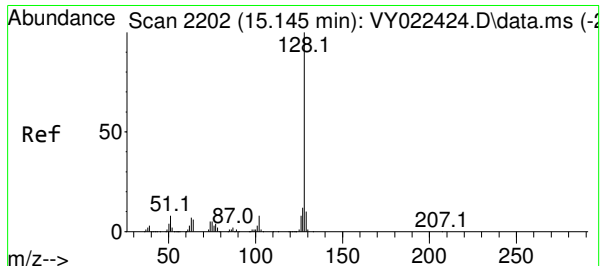
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#94
Hexachlorobutadiene
Concen: 156.325 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.6	97.7
227	63.7	33.0	99.0





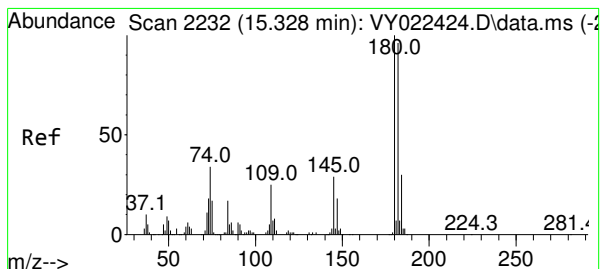
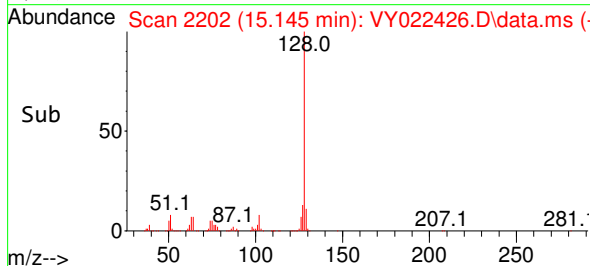
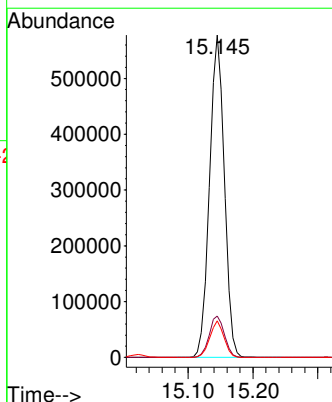
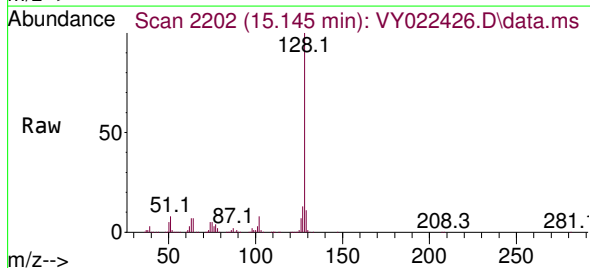
#95
Naphthalene
Concen: 171.849 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.9	8.5	12.7

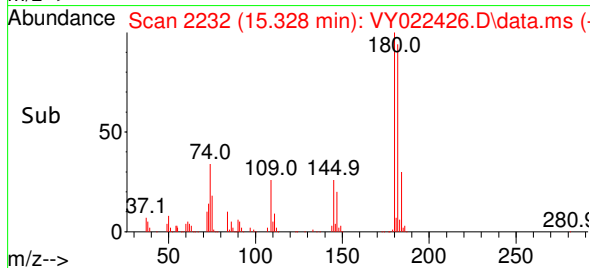
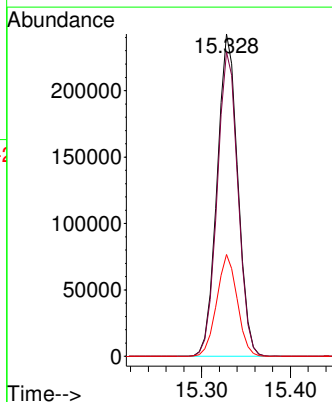
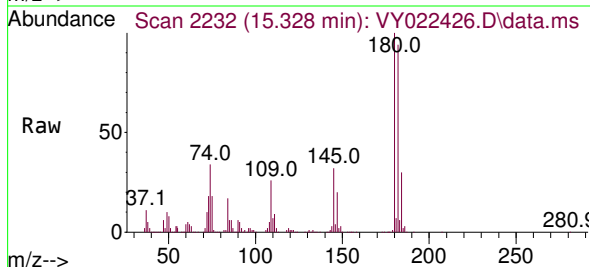
Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 167.307 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.3
145	31.2	14.9	44.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022428.D
 Acq On : 27 May 2025 11:56
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY052725

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:39:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	253507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	425137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	371169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	177242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135927	50.905	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.800%			
35) Dibromofluoromethane	7.634	113	126788	50.924	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.840%			
50) Toluene-d8	10.109	98	516469	50.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.408	95	155747	50.731	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.460%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	103680	42.867	ug/l	98
3) Chloromethane	2.068	50	343646	57.762	ug/l	96
4) Vinyl Chloride	2.202	62	378150	52.322	ug/l	99
5) Bromomethane	2.598	94	378531	57.634	ug/l	100
6) Chloroethane	2.733	64	272398	57.677	ug/l	99
7) Trichlorofluoromethane	3.050	101	341076	55.933	ug/l	98
8) Diethyl Ether	3.458	74	74240	52.801	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	125740	47.001	ug/l	99
10) Methyl Iodide	4.007	142	147302	48.805	ug/l	100
11) Tert butyl alcohol	4.891	59	53913	286.443	ug/l	98
12) 1,1-Dichloroethene	3.787	96	129146	48.624	ug/l	96
13) Acrolein	3.653	56	75220	266.723	ug/l	100
14) Allyl chloride	4.385	41	206704	51.736	ug/l	99
15) Acrylonitrile	5.061	53	157491	277.887	ug/l	100
16) Acetone	3.885	43	127318	290.164	ug/l	93
17) Carbon Disulfide	4.110	76	422273	49.820	ug/l	100
18) Methyl Acetate	4.385	43	98344	59.833	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	376709	53.423	ug/l	99
20) Methylene Chloride	4.616	84	147382	47.566	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	149045	51.401	ug/l	96
22) Diisopropyl ether	6.025	45	453438	51.423	ug/l	98
23) Vinyl Acetate	5.964	43	1330055	262.697	ug/l	100
24) 1,1-Dichloroethane	5.915	63	270725	51.958	ug/l	99
25) 2-Butanone	6.896	43	208354	285.123	ug/l	98
26) 2,2-Dichloropropane	6.890	77	238523	50.556	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	171895	51.208	ug/l	99
28) Bromochloromethane	7.250	49	114068	52.427	ug/l	99
29) Tetrahydrofuran	7.268	42	136796	280.691	ug/l	99
30) Chloroform	7.427	83	263982	51.416	ug/l	99
31) Cyclohexane	7.701	56	228904	44.566	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	234335	50.290	ug/l	98
36) 1,1-Dichloropropene	7.835	75	198705	50.295	ug/l	99
37) Ethyl Acetate	6.988	43	91969	54.775	ug/l	98
38) Carbon Tetrachloride	7.823	117	204881	49.782	ug/l	99
39) Methylcyclohexane	9.109	83	253073	48.189	ug/l	99
40) Benzene	8.079	78	609847	51.876	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022428.D
 Acq On : 27 May 2025 11:56
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY052725

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:39:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	49200m	48.279	ug/l	
42) 1,2-Dichloroethane	8.158	62	162203	52.242	ug/l	99
43) Isopropyl Acetate	8.201	43	199246	54.305	ug/l	99
44) Trichloroethene	8.866	130	151238	52.041	ug/l	98
45) 1,2-Dichloropropane	9.146	63	140797	50.975	ug/l	100
46) Dibromomethane	9.231	93	81139	52.586	ug/l	99
47) Bromodichloromethane	9.426	83	205314	51.745	ug/l	99
48) Methyl methacrylate	9.225	41	95846	56.276	ug/l	97
49) 1,4-Dioxane	9.244	88	17918	1051.366	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	519609	287.032	ug/l	100
52) Toluene	10.170	92	387936	52.832	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	199925	54.094	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	228509	52.618	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	103722	53.168	ug/l	99
56) Ethyl methacrylate	10.438	69	156757	55.994	ug/l	100
57) 1,3-Dichloropropane	10.719	76	180948	52.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	362054	259.493	ug/l	100
59) 2-Hexanone	10.762	43	347563	292.964	ug/l	99
60) Dibromochloromethane	10.914	129	133735	53.666	ug/l	99
61) 1,2-Dibromoethane	11.018	107	96584	54.130	ug/l	98
64) Tetrachloroethene	10.646	164	153515	48.564	ug/l	95
65) Chlorobenzene	11.444	112	409198	51.703	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	137345	51.219	ug/l	100
67) Ethyl Benzene	11.524	91	749047	50.971	ug/l	98
68) m/p-Xylenes	11.633	106	571164	102.513	ug/l	100
69) o-Xylene	11.957	106	268131	51.205	ug/l	100
70) Styrene	11.969	104	456865	52.397	ug/l	100
71) Bromoform	12.133	173	73628	52.420	ug/l #	98
73) Isopropylbenzene	12.255	105	698311	50.060	ug/l	100
74) N-amyl acetate	12.072	43	182818	53.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	117150	53.303	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	93352m	52.582	ug/l	
77) Bromobenzene	12.536	156	151539	50.481	ug/l	98
78) n-propylbenzene	12.597	91	853326	50.973	ug/l	99
79) 2-Chlorotoluene	12.682	91	455944	50.314	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	559964	51.376	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	40088	51.064	ug/l	98
82) 4-Chlorotoluene	12.780	91	475462	50.944	ug/l	100
83) tert-Butylbenzene	12.999	119	505382	51.321	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	562945	51.325	ug/l	100
85) sec-Butylbenzene	13.176	105	755958	51.763	ug/l	99
86) p-Isopropyltoluene	13.292	119	638231	52.334	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	310435	51.396	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	298140	51.622	ug/l	100
89) n-Butylbenzene	13.615	91	601455	52.600	ug/l	100
90) Hexachloroethane	13.883	117	125908	51.881	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	255789	50.701	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17817	52.462	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	146574	52.407	ug/l	98
94) Hexachlorobutadiene	15.023	225	76816	52.335	ug/l	97
95) Naphthalene	15.145	128	283477	54.826	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	123635	53.900	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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\VY052725\
 Data File : VY022428.D
 Acq On : 27 May 2025 11:56
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

MSVOA_Y

Client Sample Id :

ICVVY052725

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025

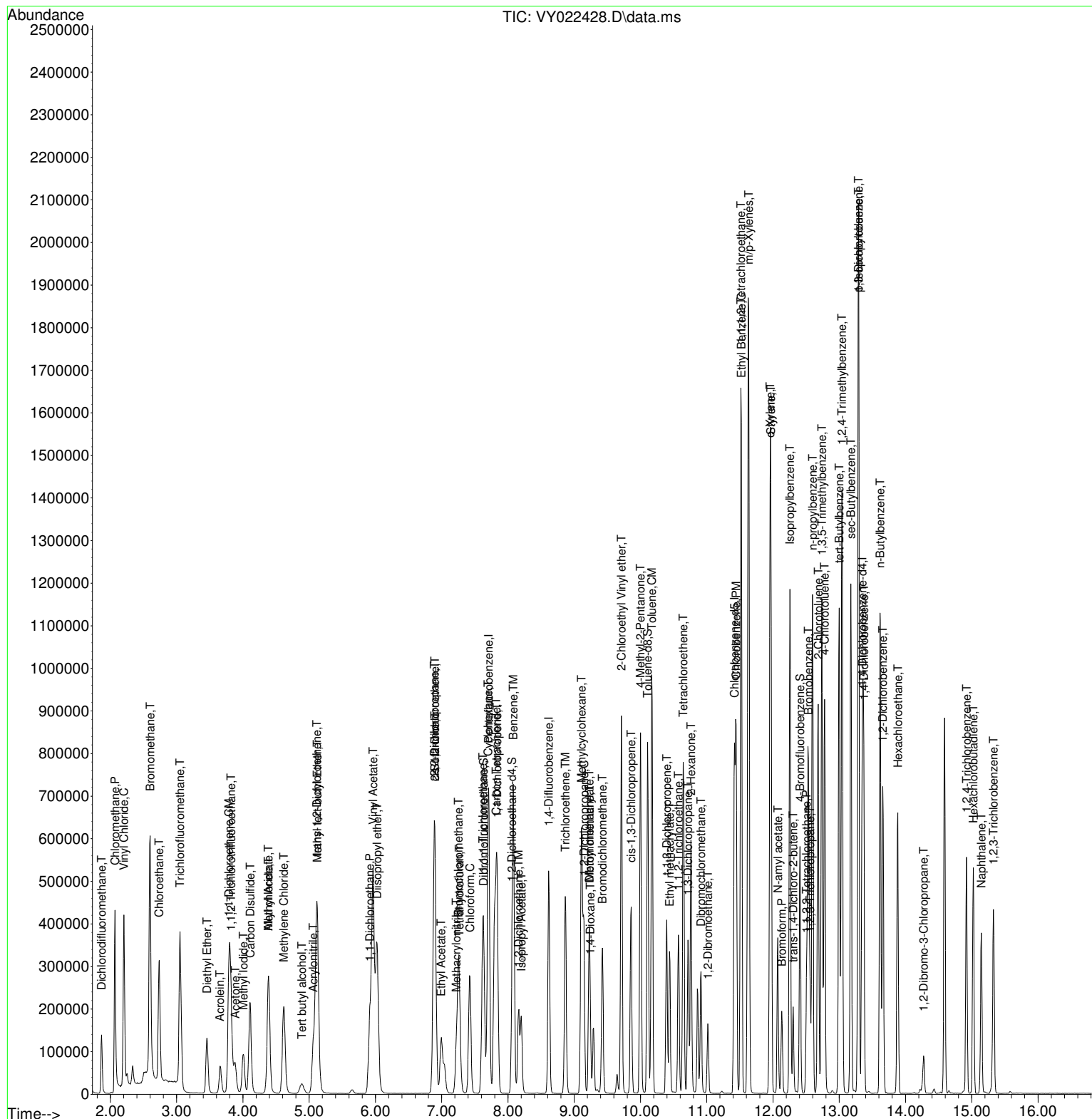
Quant Time: May 28 10:39:40 2025

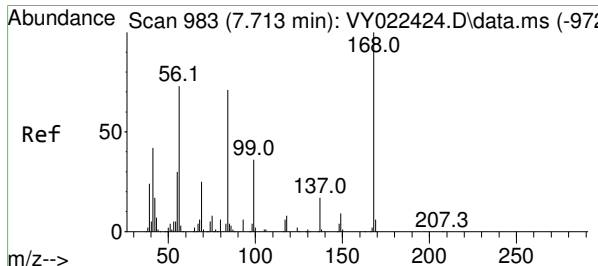
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M

Quant Title : SW846 8260

QLast Update : Wed May 28 10:34:06 2025

Response via : Initial Calibration





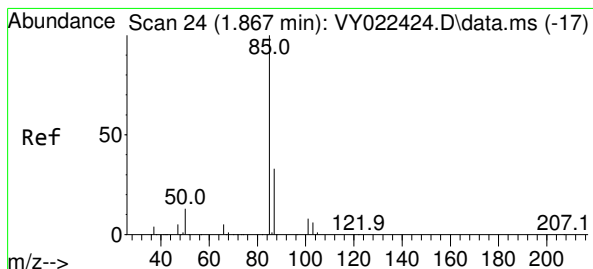
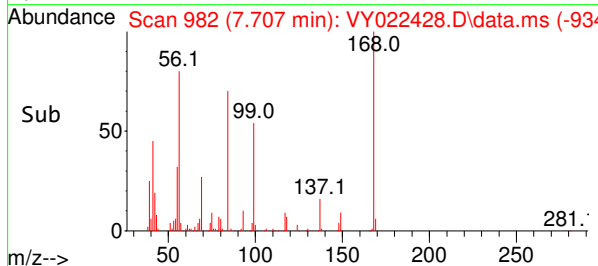
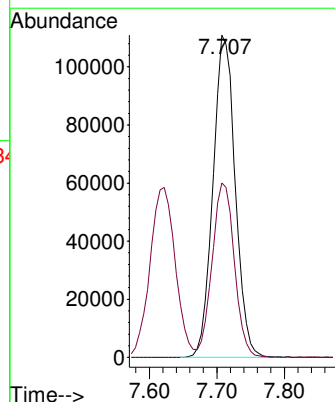
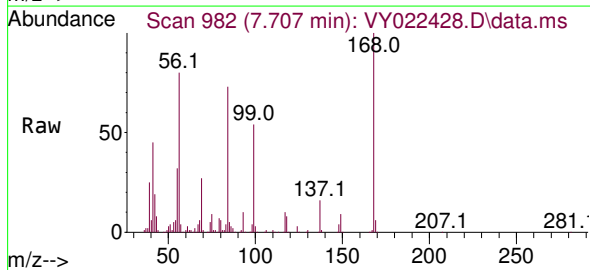
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion:168 Resp: 25356
Ion Ratio Lower Upper
168 100
99 54.1 44.7 67.1

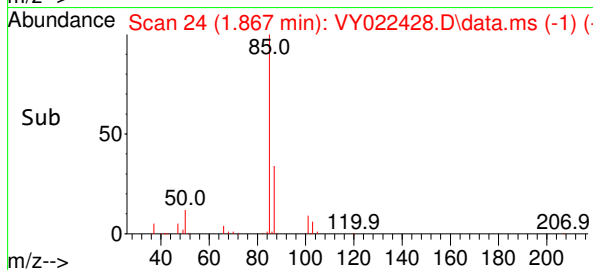
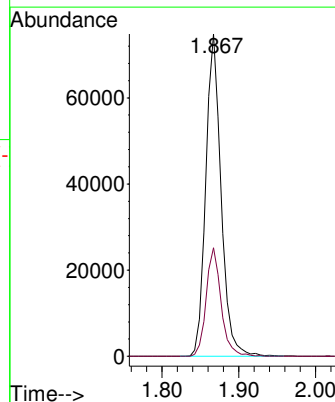
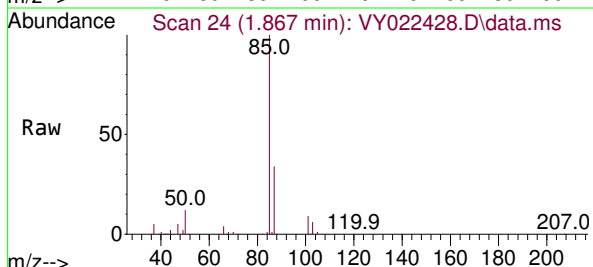
Manual Integrations
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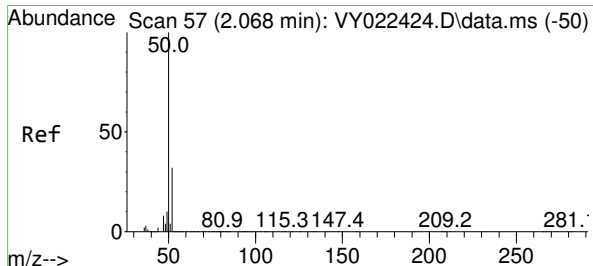
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#2
Dichlorodifluoromethane
Concen: 42.867 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 85 Resp: 103680
Ion Ratio Lower Upper
85 100
87 33.7 16.4 49.2





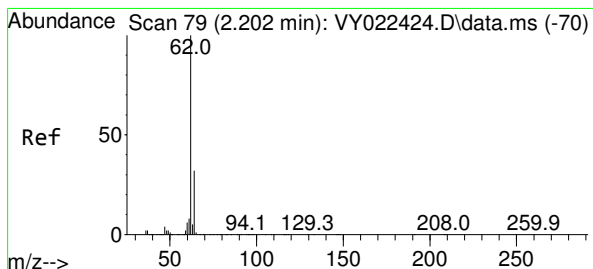
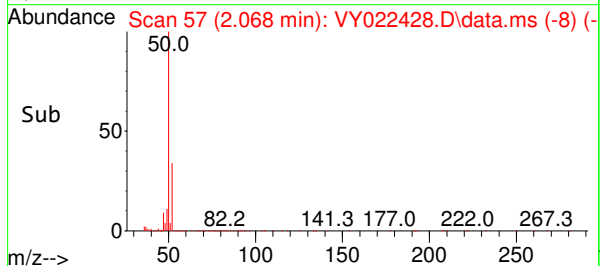
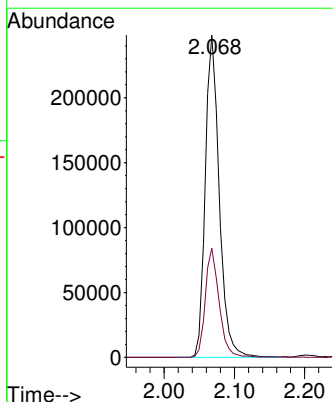
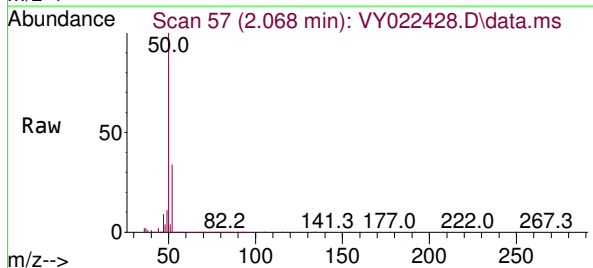
#3
Chloromethane
Concen: 57.762 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725

Tgt Ion: 50 Resp: 34364
Ion Ratio Lower Upper
50 100
52 33.9 25.5 38.3

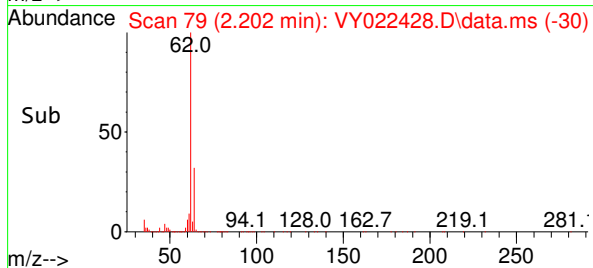
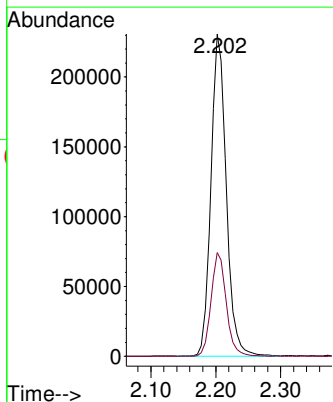
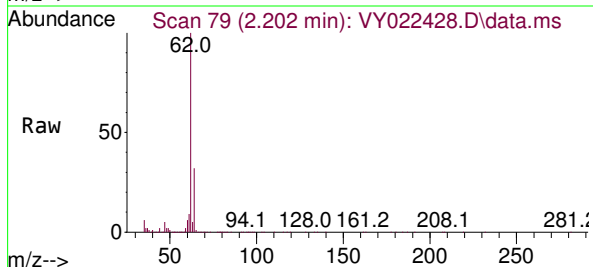
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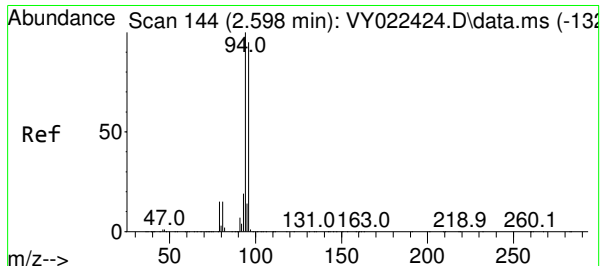
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#4
Vinyl Chloride
Concen: 52.322 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 62 Resp: 378150
Ion Ratio Lower Upper
62 100
64 32.2 26.0 39.0





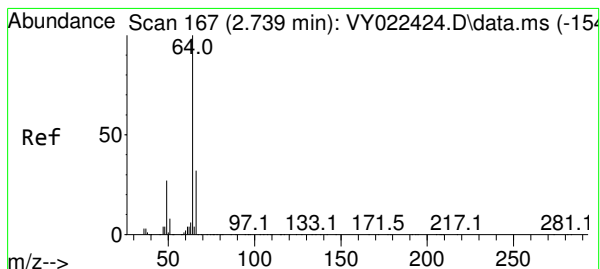
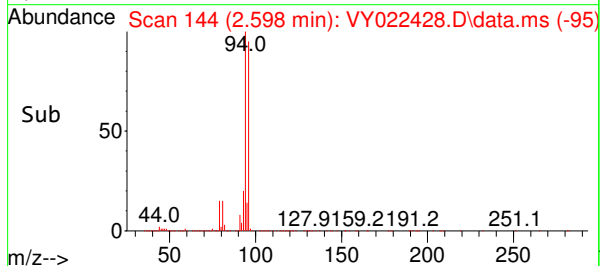
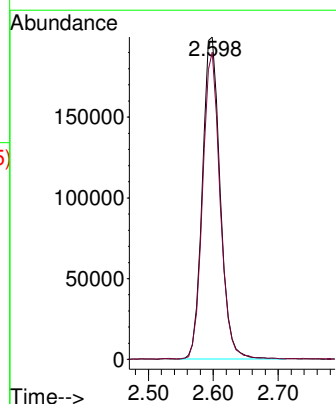
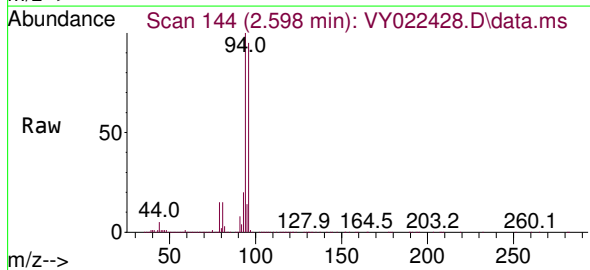
#5
Bromomethane
Concen: 57.634 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725

Tgt Ion: 94 Resp: 37853
Ion Ratio Lower Upper
94 100
96 95.2 76.0 114.0

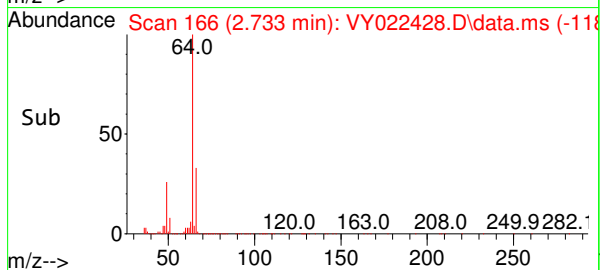
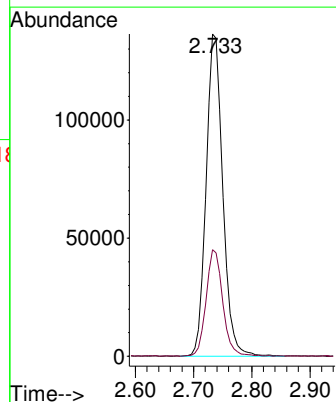
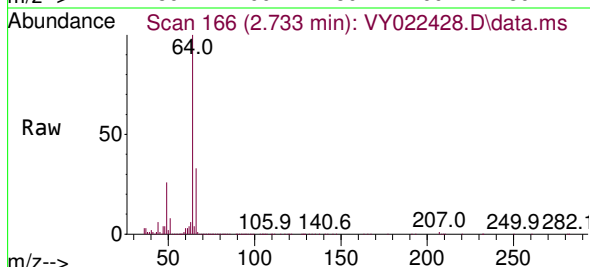
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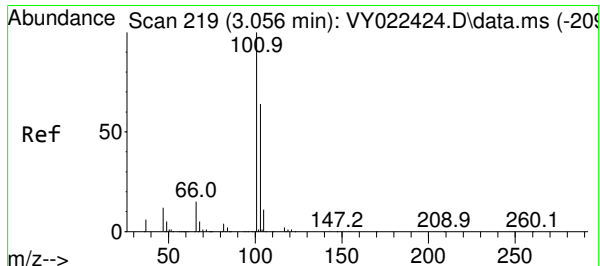
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#6
Chloroethane
Concen: 57.677 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 64 Resp: 272398
Ion Ratio Lower Upper
64 100
66 33.1 25.9 38.9





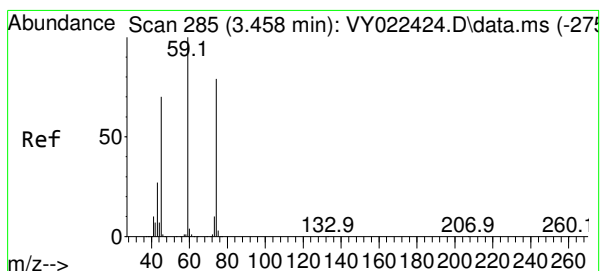
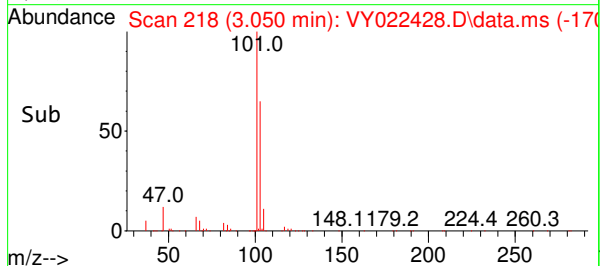
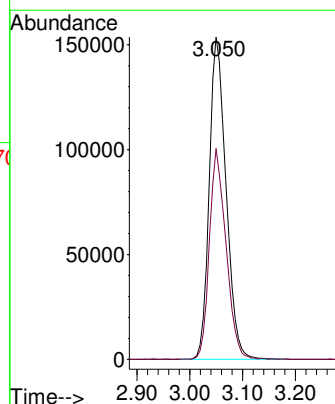
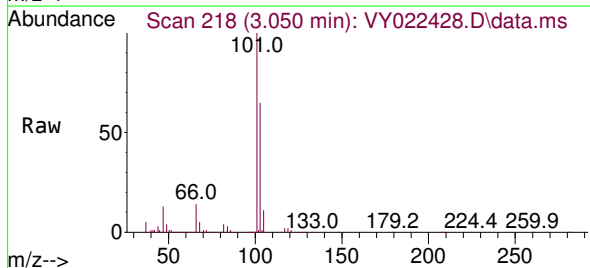
#7
Trichlorofluoromethane
Concen: 55.933 ug/l
RT: 3.050 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion:101 Resp: 34107
Ion Ratio Lower Upper
101 100
103 65.4 50.9 76.3

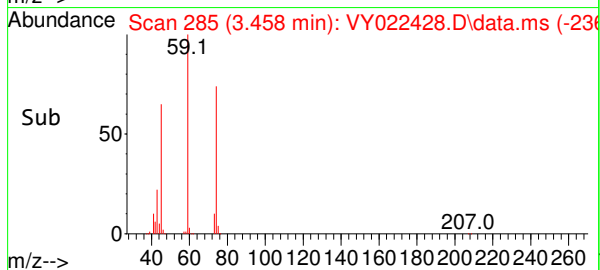
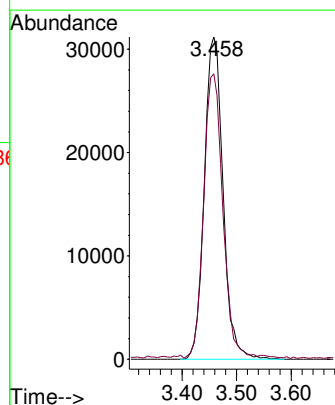
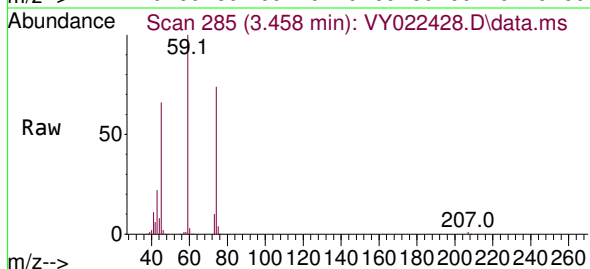
Manual Integrations
APPROVED

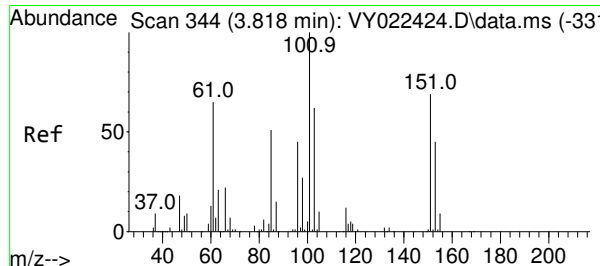
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#8
Diethyl Ether
Concen: 52.801 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 74 Resp: 74240
Ion Ratio Lower Upper
74 100
45 90.9 44.9 134.5





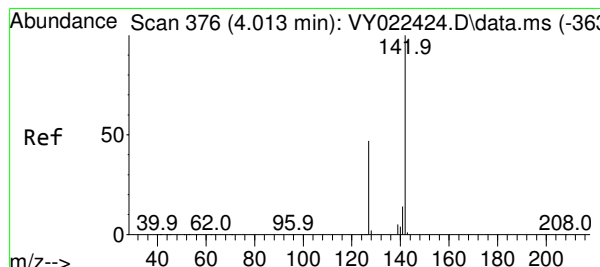
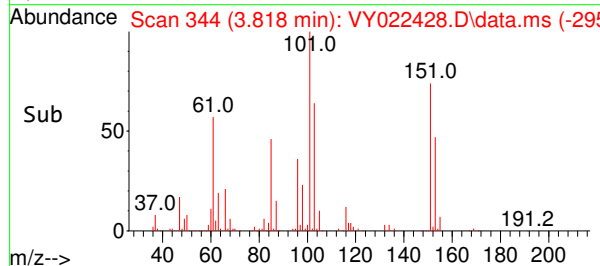
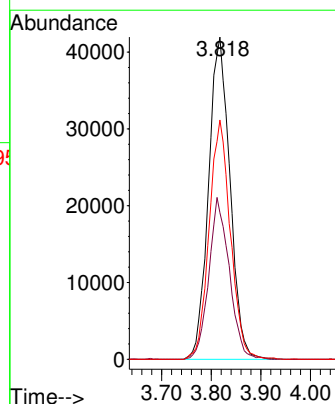
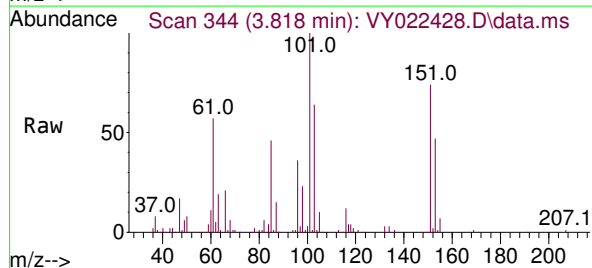
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.001 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion	101	Resp	12574
Ion Ratio	Lower	Upper	
101	100		
85	48.1	39.2	58.8
151	73.8	58.8	88.2

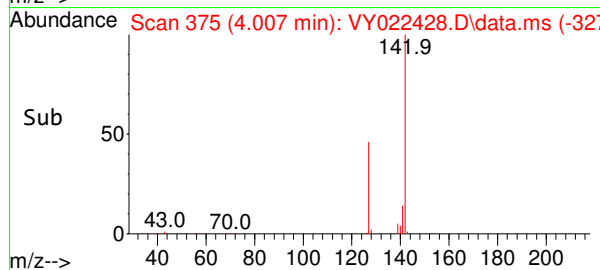
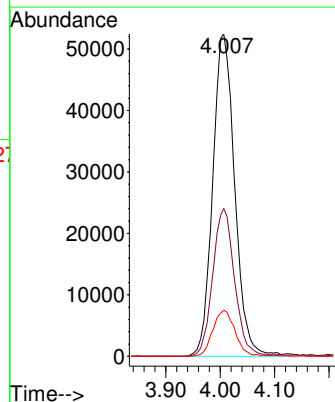
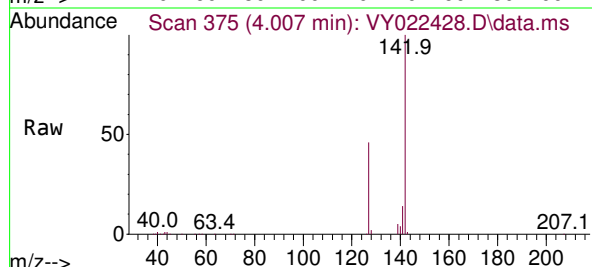
Manual Integrations
APPROVED

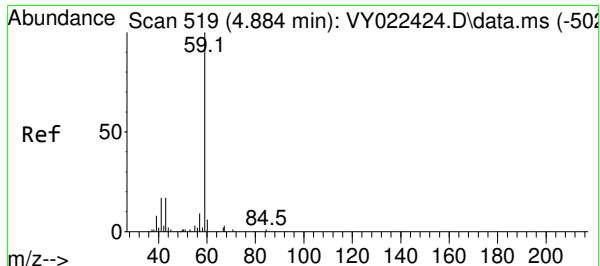
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#10
Methyl Iodide
Concen: 48.805 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion	142	Resp	147302
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.2	54.4
141	14.6	11.6	17.4





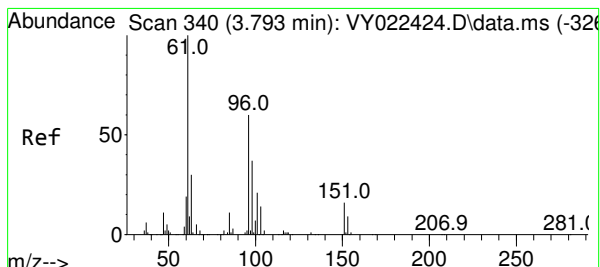
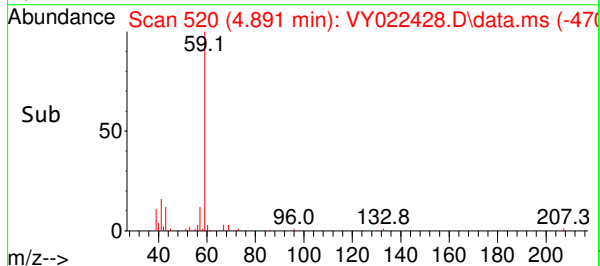
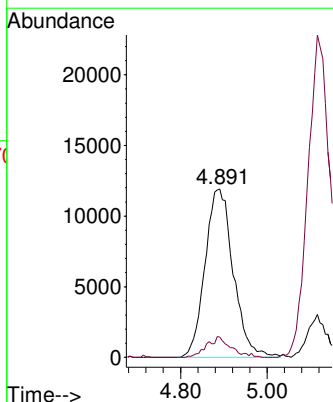
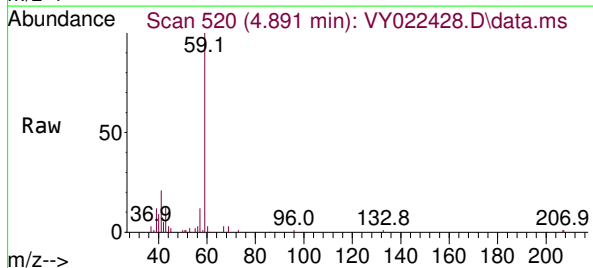
#11
Tert butyl alcohol
Concen: 286.443 ug/l
RT: 4.891 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 59 Resp: 5391
Ion Ratio Lower Upper
59 100
57 10.6 9.1 13.7

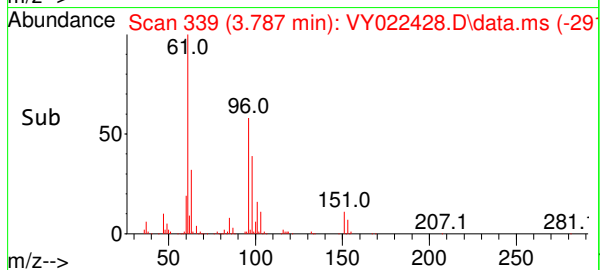
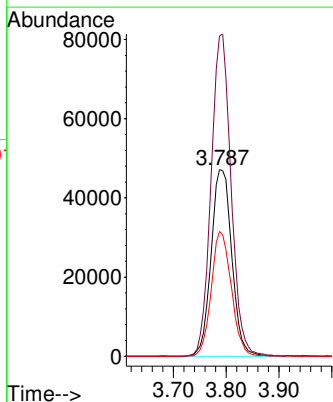
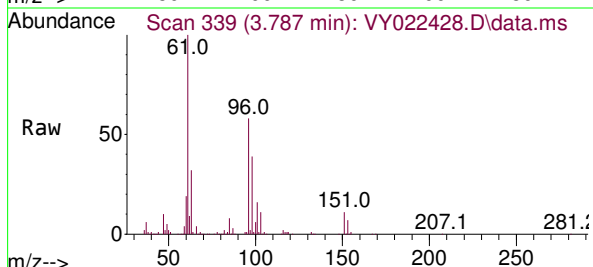
Manual Integrations
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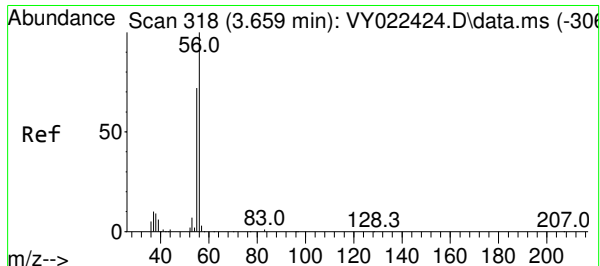
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#12
1,1-Dichloroethene
Concen: 48.624 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 96 Resp: 129146
Ion Ratio Lower Upper
96 100
61 171.6 134.1 201.1
98 66.8 50.2 75.2





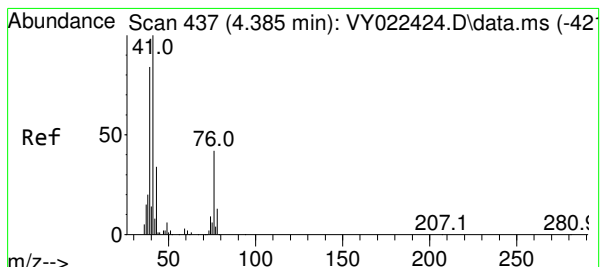
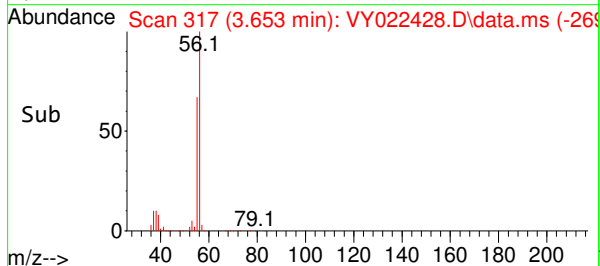
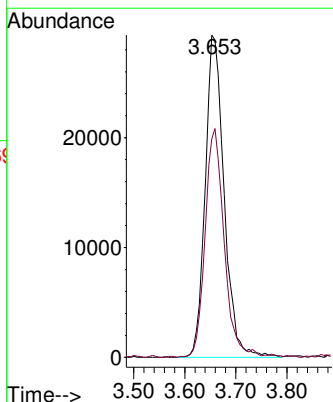
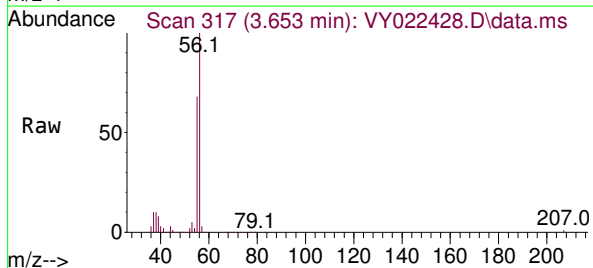
#13
Acrolein
Concen: 266.723 ug/l
RT: 3.653 min Scan# 318
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 56 Resp: 7522
Ion Ratio Lower Upper
56 100
55 70.6 56.5 84.7

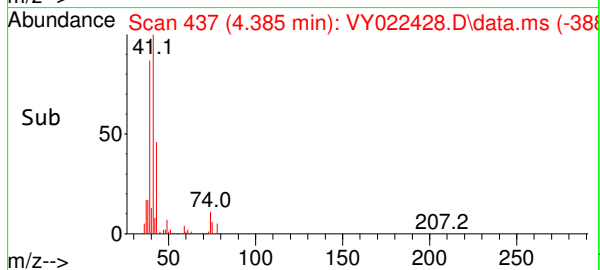
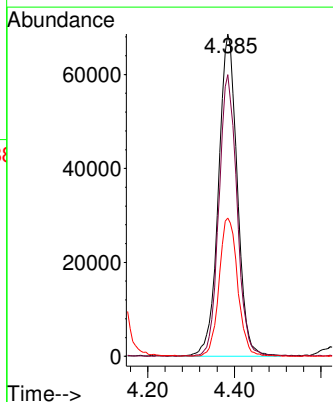
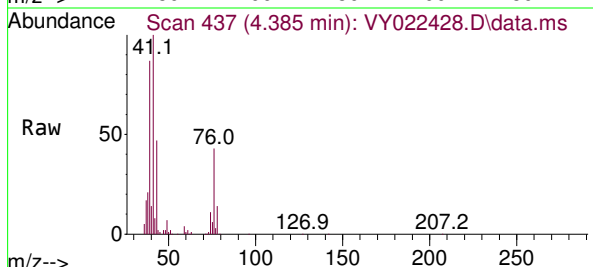
Manual Integrations
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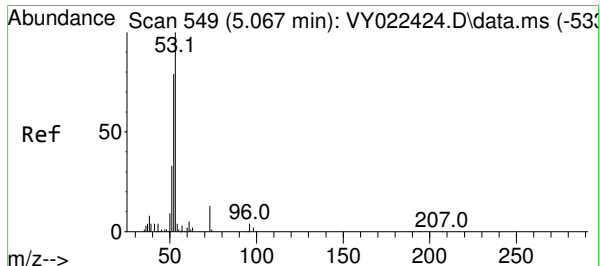
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#14
Allyl chloride
Concen: 51.736 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 41 Resp: 206704
Ion Ratio Lower Upper
41 100
39 84.3 66.6 100.0
76 42.4 33.7 50.5





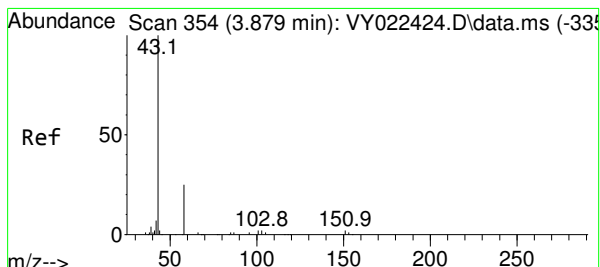
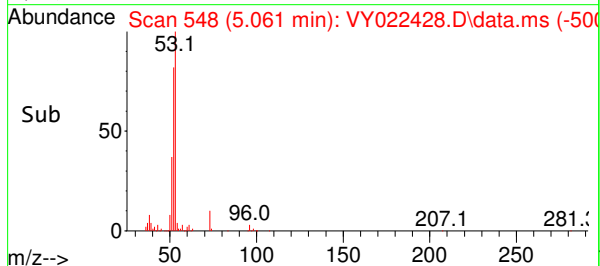
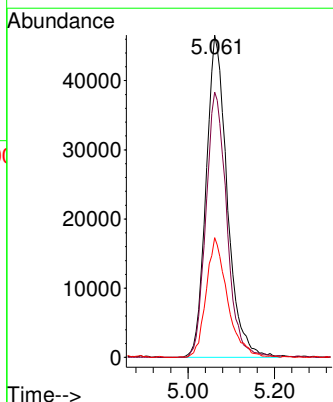
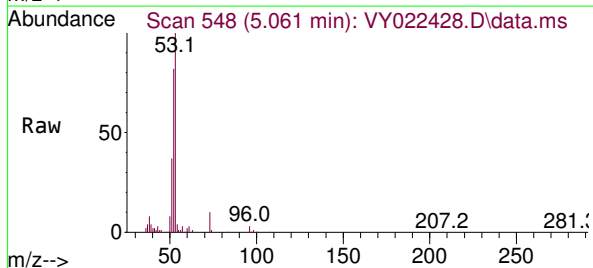
#15
Acrylonitrile
Concen: 277.887 ug/l
RT: 5.061 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion:	53	Resp:	15749
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.1	97.7
51	37.7	30.0	45.0

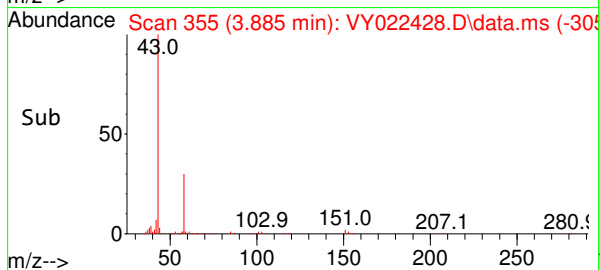
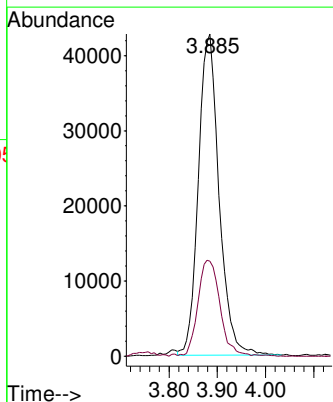
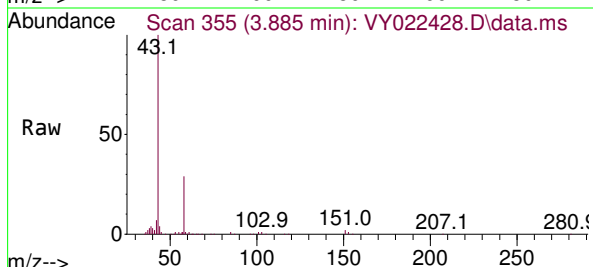
Manual Integrations
APPROVED

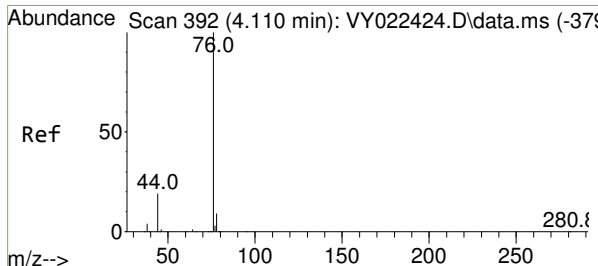
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#16
Acetone
Concen: 290.164 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:	43	Resp:	127318
Ion	Ratio	Lower	Upper
43	100		
58	29.4	20.6	30.8





#17

Carbon Disulfide

Concen: 49.820 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY022428.D

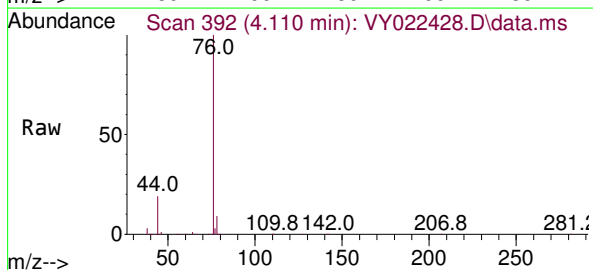
Acq: 27 May 2025 11:56

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY052725



Tgt Ion: 76 Resp: 42227

Ion Ratio Lower Upper

76 100

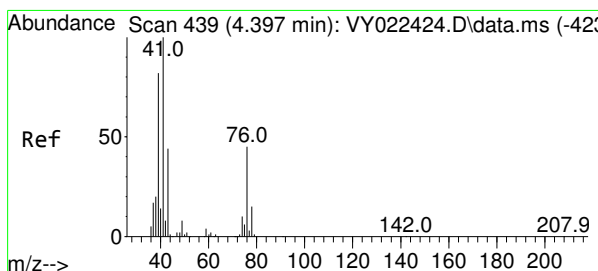
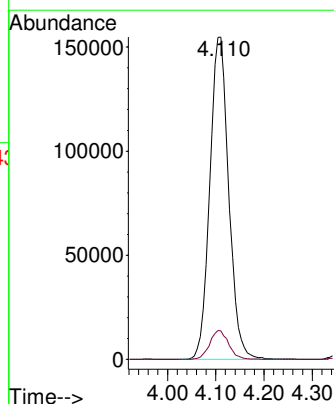
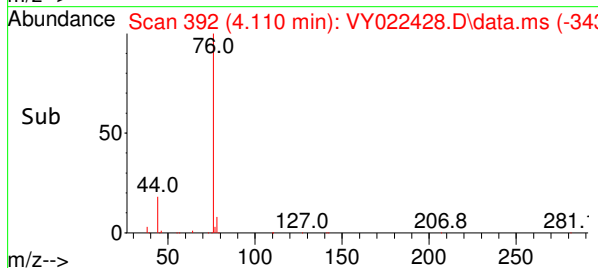
78 8.9 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#18

Methyl Acetate

Concen: 59.833 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.012 min

Lab File: VY022428.D

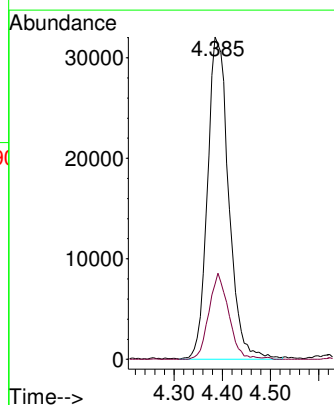
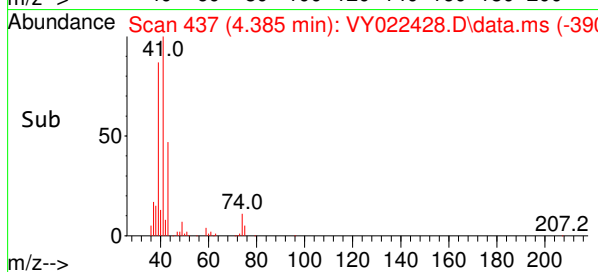
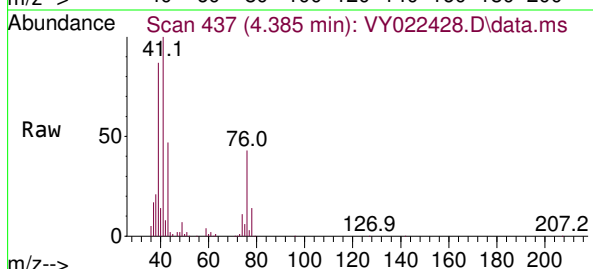
Acq: 27 May 2025 11:56

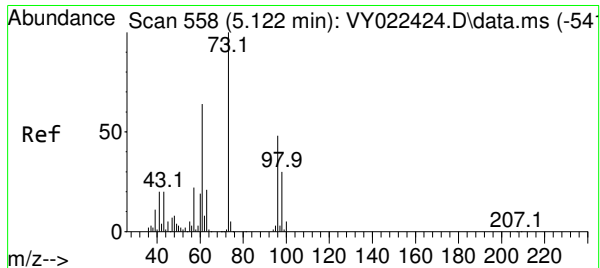
Tgt Ion: 43 Resp: 98344

Ion Ratio Lower Upper

43 100

74 24.8 21.2 31.8





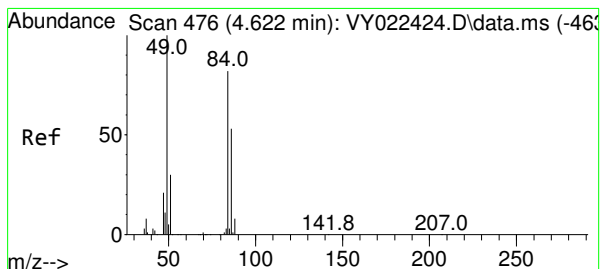
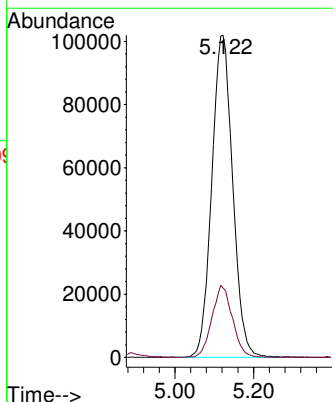
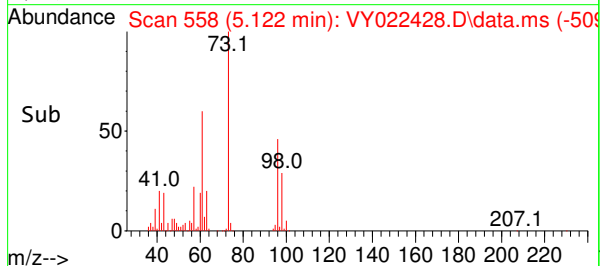
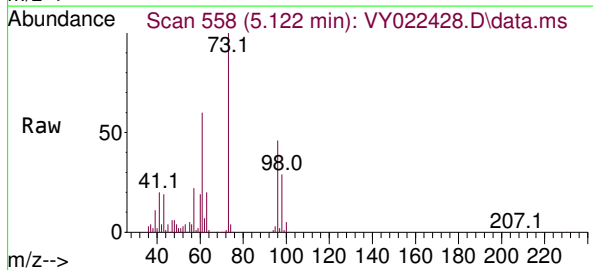
#19
Methyl tert-butyl Ether
Concen: 53.423 ug/l
RT: 5.122 min Scan# 519
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 73 Resp: 37676
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5

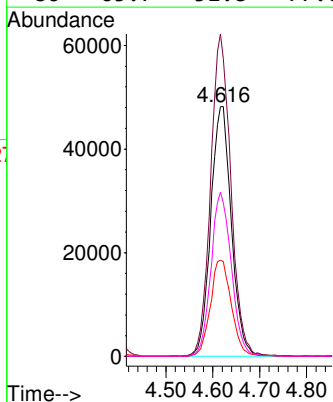
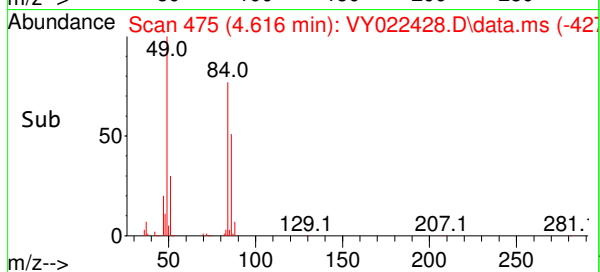
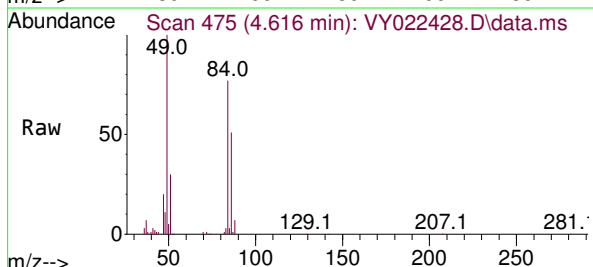
Manual Integrations
APPROVED

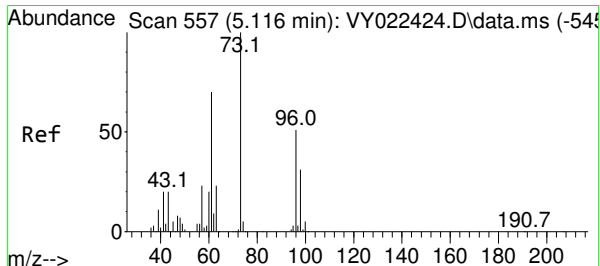
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#20
Methylene Chloride
Concen: 47.566 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 84 Resp: 147382
Ion Ratio Lower Upper
84 100
49 128.9 97.8 146.8
51 38.5 29.5 44.3
86 65.7 51.8 77.6





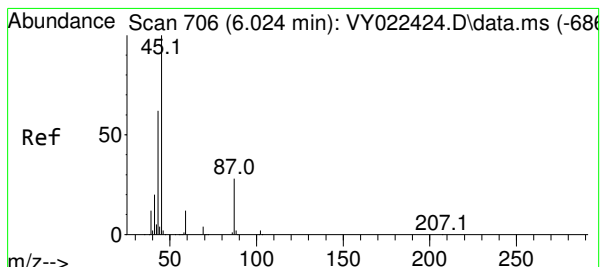
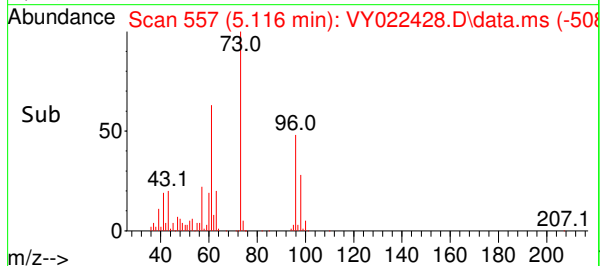
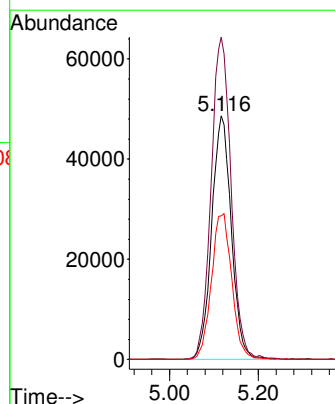
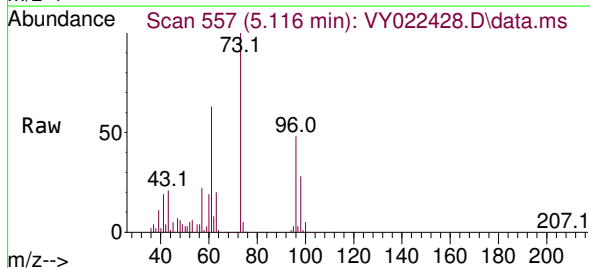
#21
trans-1,2-Dichloroethene
Concen: 51.401 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument : MSVOA_Y
ClientSampleId : ICVVY052725

Tgt Ion: 96 Resp: 14904
Ion Ratio Lower Upper
96 100
61 132.4 110.4 165.6
98 59.0 48.6 73.0

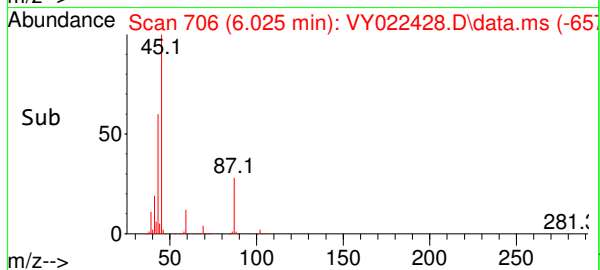
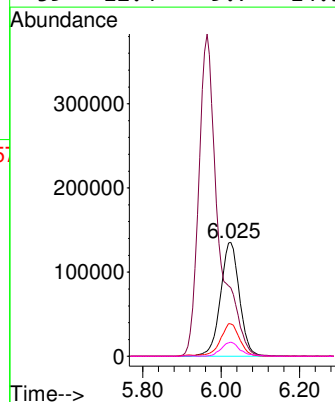
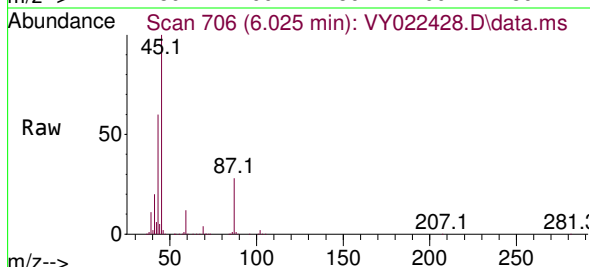
Manual Integrations
APPROVED

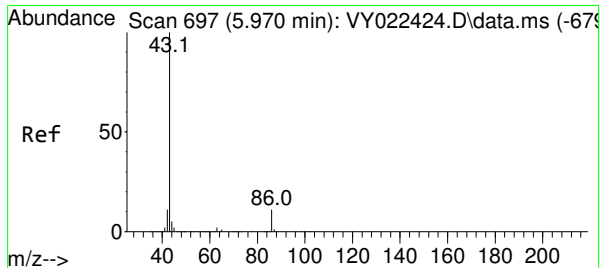
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#22
Diisopropyl ether
Concen: 51.423 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 45 Resp: 453438
Ion Ratio Lower Upper
45 100
43 59.8 49.8 74.8
87 28.4 23.0 34.6
59 12.4 9.7 14.5





#23

Vinyl Acetate

Concen: 262.697 ug/l

RT: 5.964 min Scan# 696

Delta R.T. -0.006 min

Lab File: VY022428.D

Acq: 27 May 2025 11:56

Instrument :

MSVOA_Y

ClientSampleId :

ICVY052725

Tgt Ion: 43 Resp: 133005

Ion Ratio Lower Upper

43 100

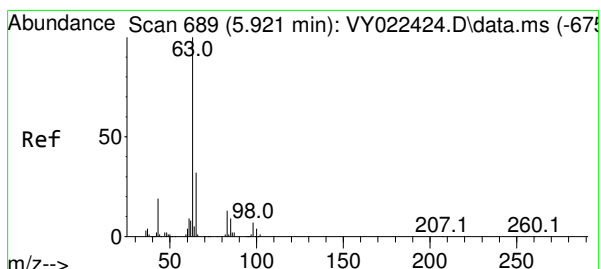
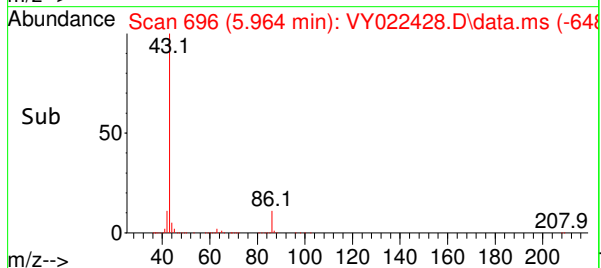
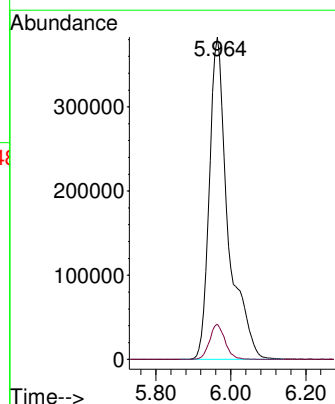
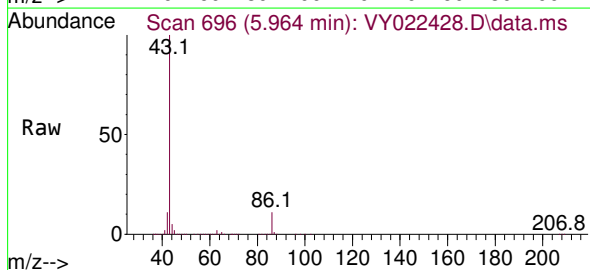
86 10.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#24

1,1-Dichloroethane

Concen: 51.958 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.006 min

Lab File: VY022428.D

Acq: 27 May 2025 11:56

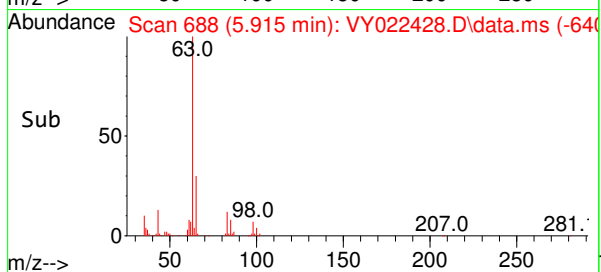
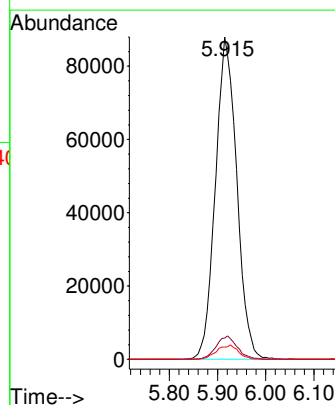
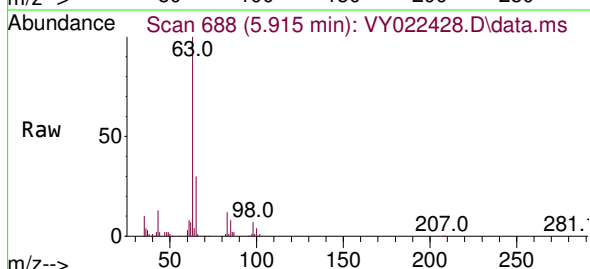
Tgt Ion: 63 Resp: 270725

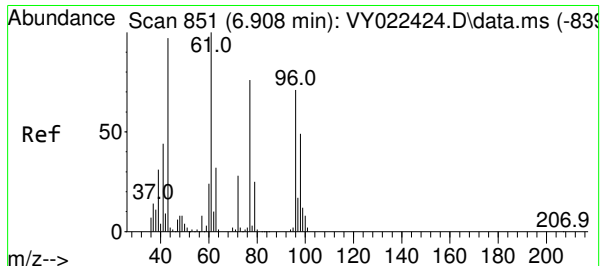
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

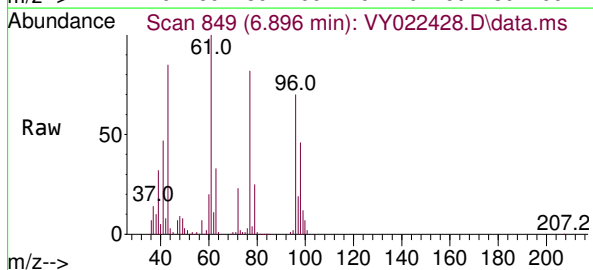
100 3.8 2.1 6.5





#25
2-Butanone
Concen: 285.123 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

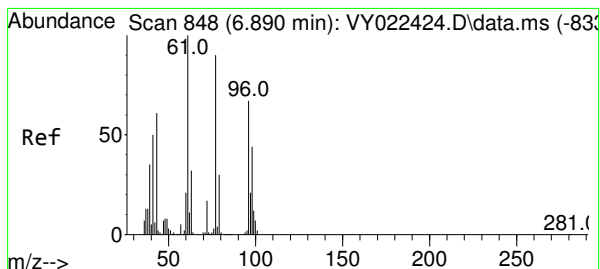
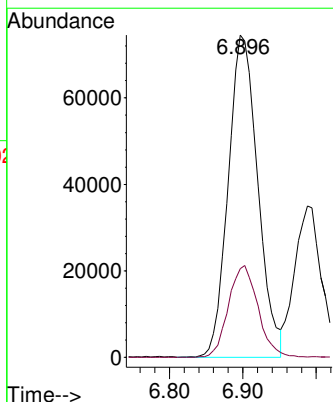
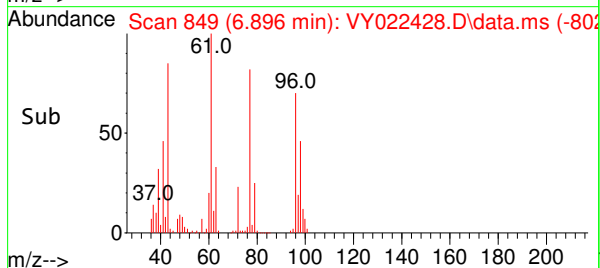
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725



Tgt Ion: 43 Resp: 20835
Ion Ratio Lower Upper
43 100
72 27.5 22.8 34.2

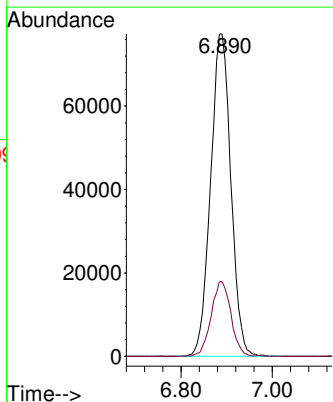
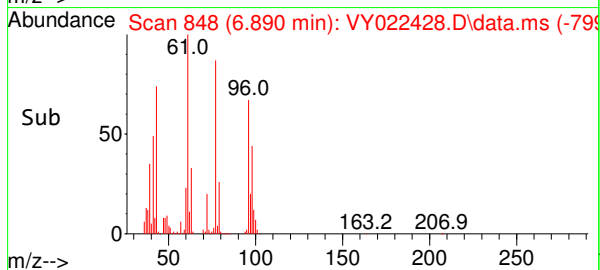
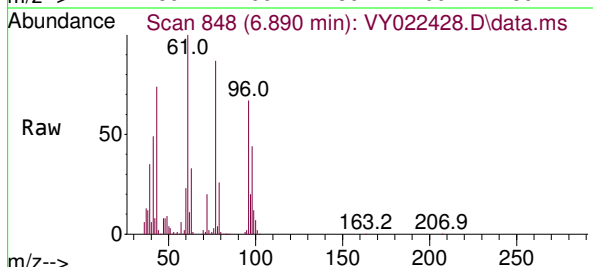
Manual Integrations
APPROVED

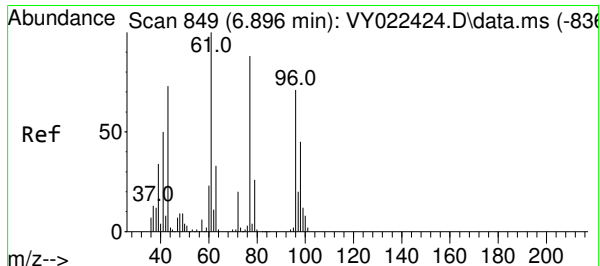
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#26
2,2-Dichloropropane
Concen: 50.556 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 77 Resp: 238523
Ion Ratio Lower Upper
77 100
97 22.6 11.6 34.7





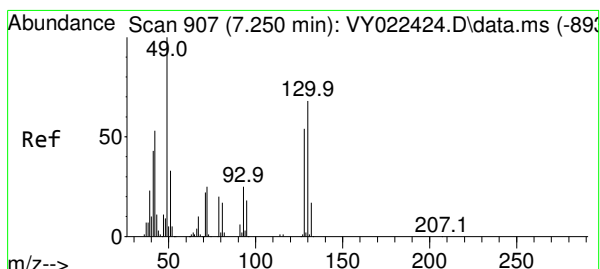
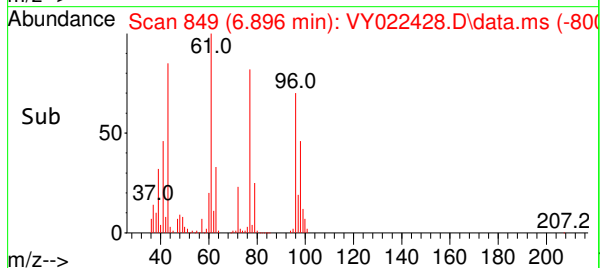
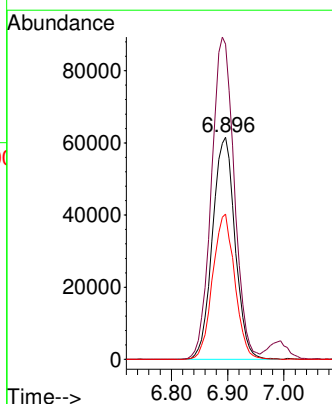
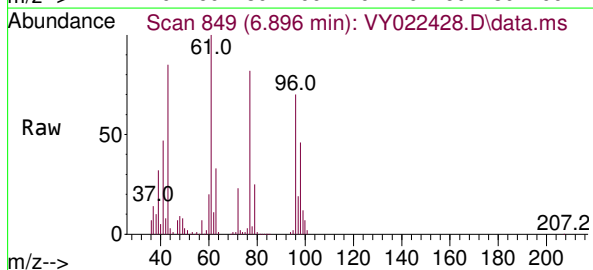
#27
cis-1,2-Dichloroethene
Concen: 51.208 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	292.0
98	64.2	0.0	131.0

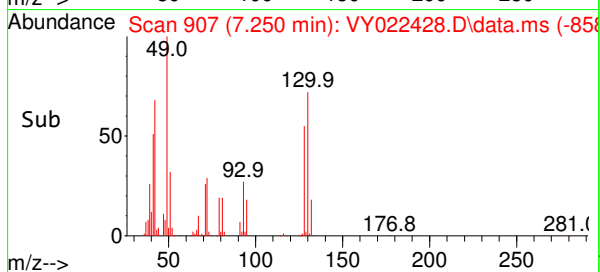
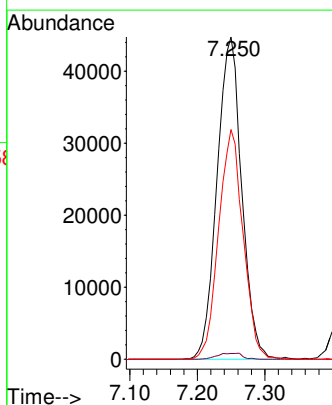
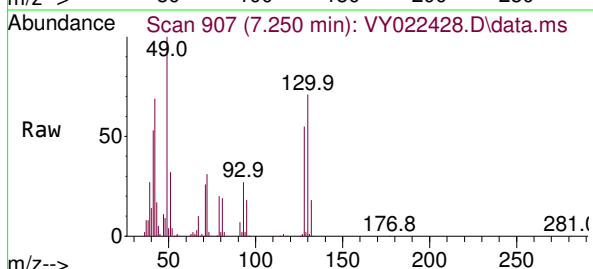
Manual Integrations
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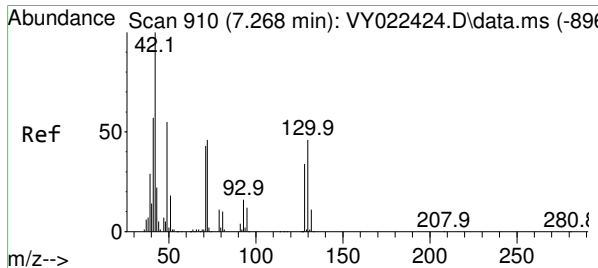
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#28
Bromochloromethane
Concen: 52.427 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	70.5	56.9	85.3





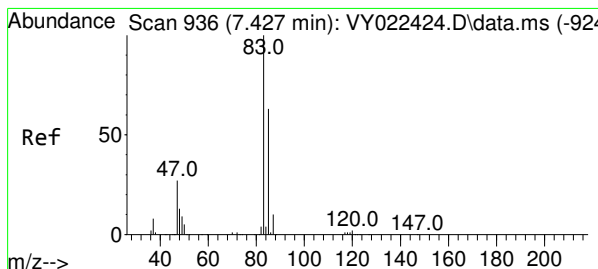
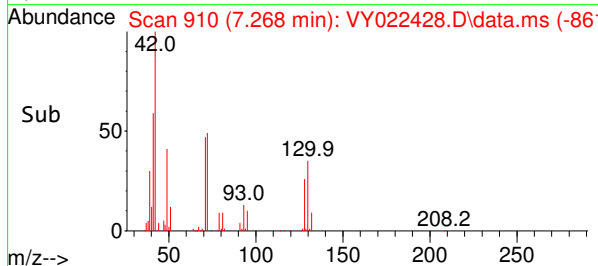
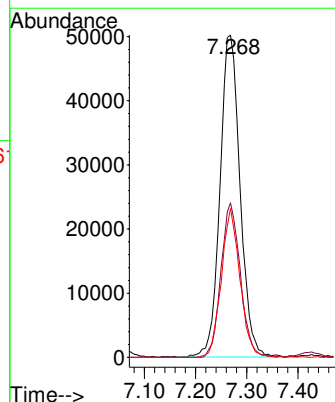
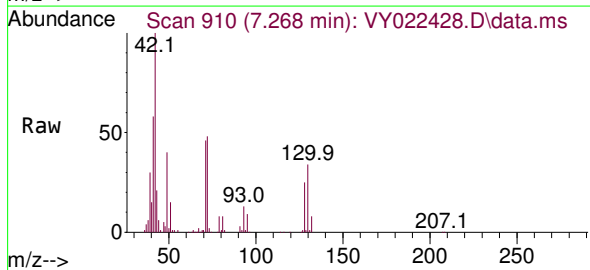
#29
Tetrahydrofuran
Concen: 280.691 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725

Tgt Ion: 42 Resp: 13679
Ion Ratio Lower Upper
42 100
72 46.3 37.7 56.5
71 43.0 34.7 52.1

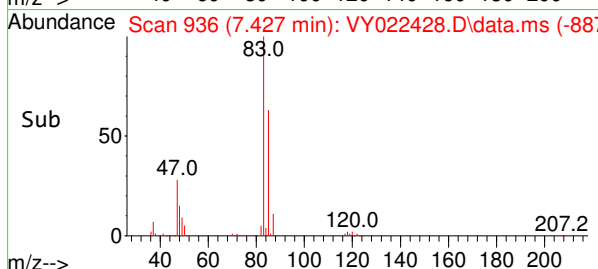
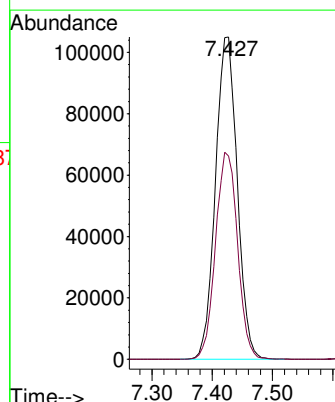
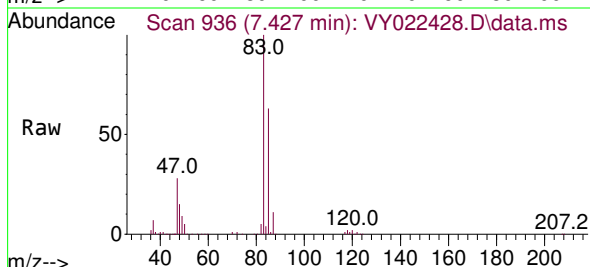
Manual Integrations
APPROVED

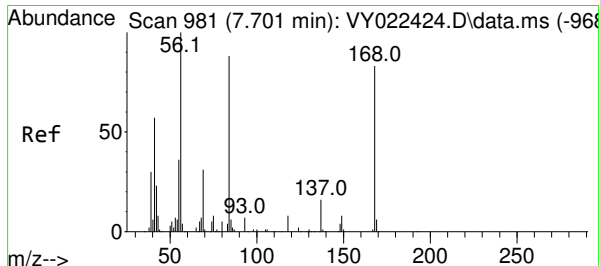
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#30
Chloroform
Concen: 51.416 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 83 Resp: 263982
Ion Ratio Lower Upper
83 100
85 63.0 50.1 75.1





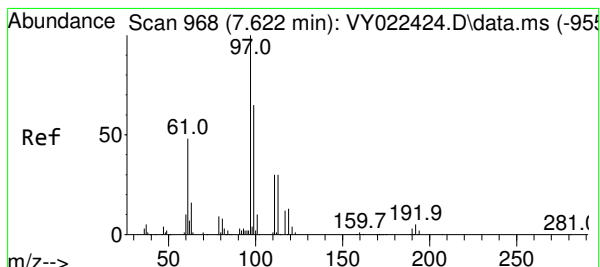
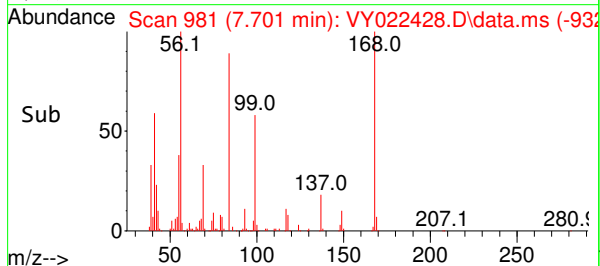
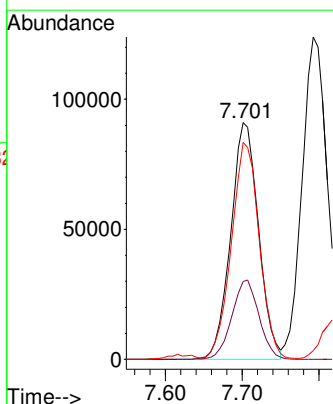
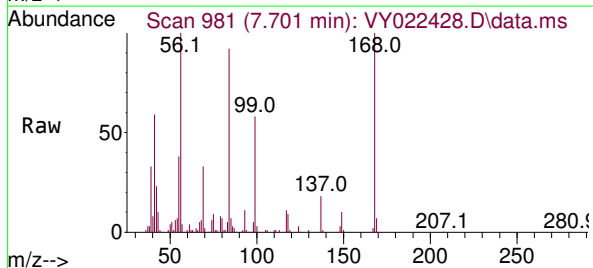
#31
Cyclohexane
Concen: 44.566 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument : MSVOA_Y
ClientSampleId : ICVVY052725

Tgt Ion: 56 Resp: 22896
Ion Ratio Lower Upper
56 100
69 32.8 24.6 36.8
84 89.3 70.4 105.6

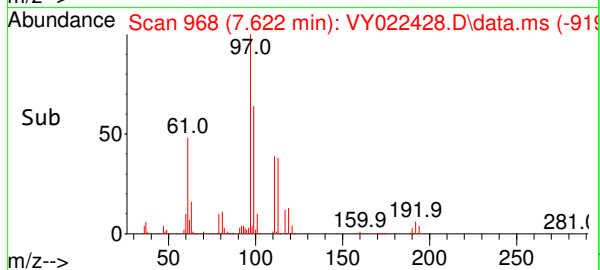
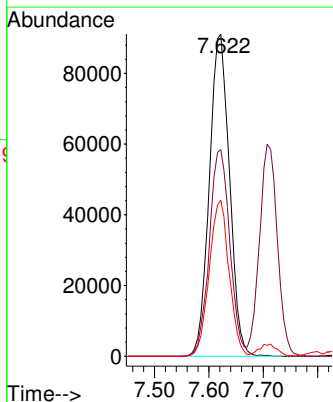
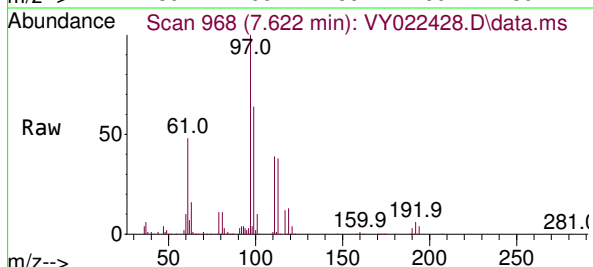
Manual Integrations
APPROVED

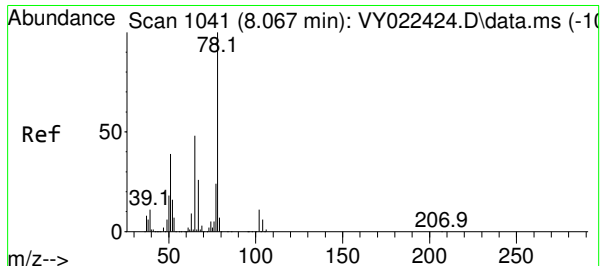
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#32
1,1,1-Trichloroethane
Concen: 50.290 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 97 Resp: 234335
Ion Ratio Lower Upper
97 100
99 65.5 51.3 76.9
61 47.8 37.3 55.9





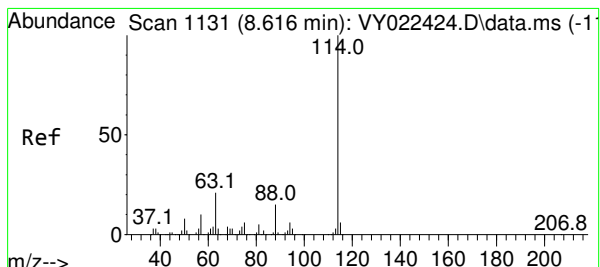
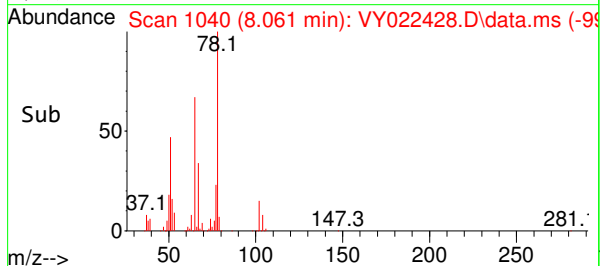
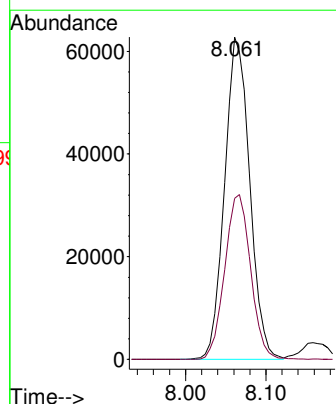
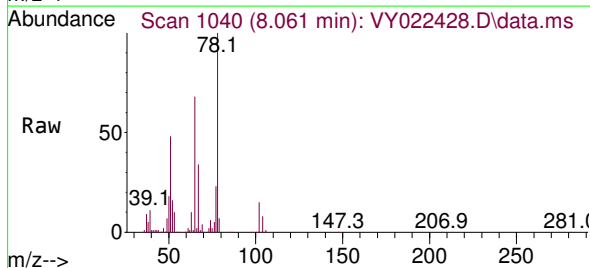
#33
1,2-Dichloroethane-d4
Concen: 50.905 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 65 Resp: 13592
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.4

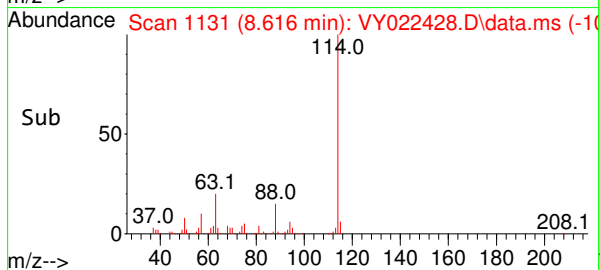
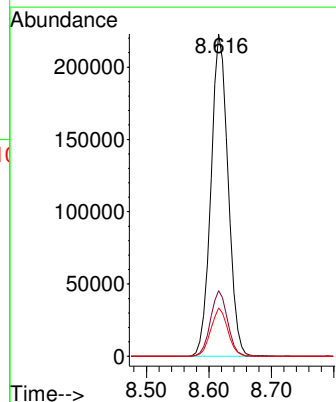
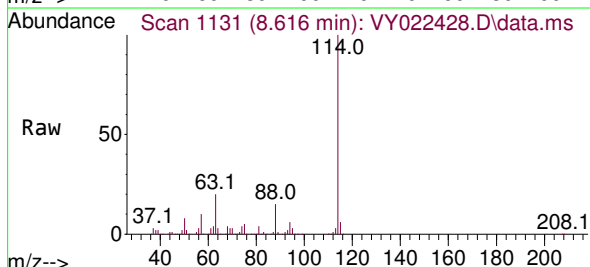
Manual Integrations
APPROVED

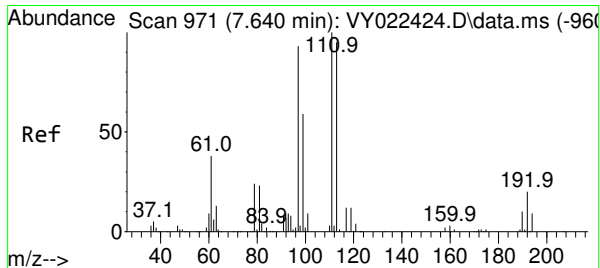
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:114 Resp: 425137
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 15.0 0.0 29.4





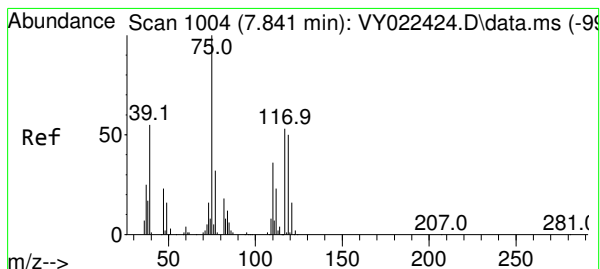
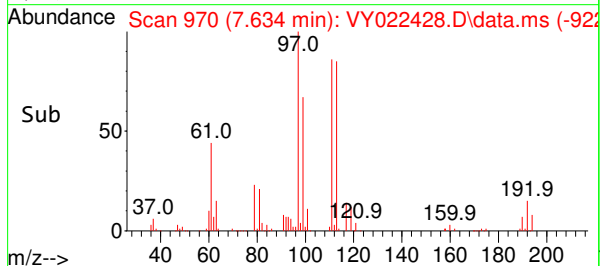
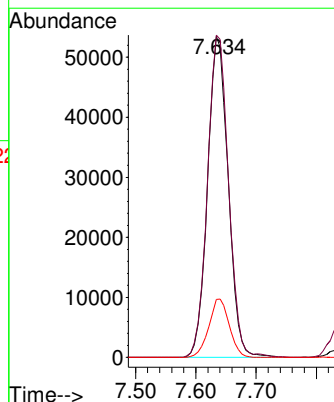
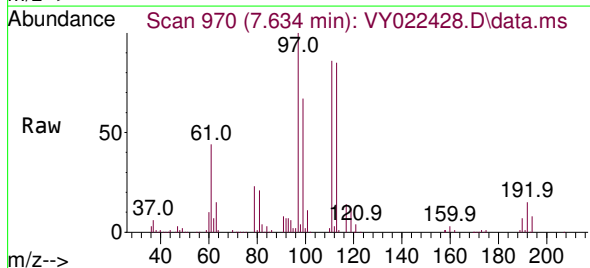
#35
Dibromofluoromethane
Concen: 50.924 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	18.1	15.2	22.8

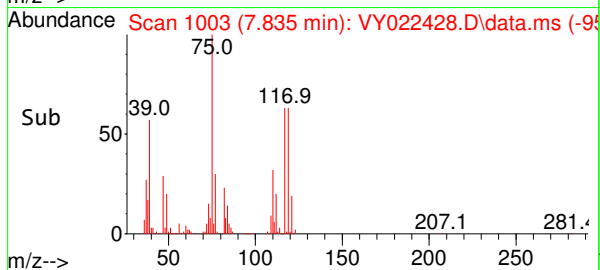
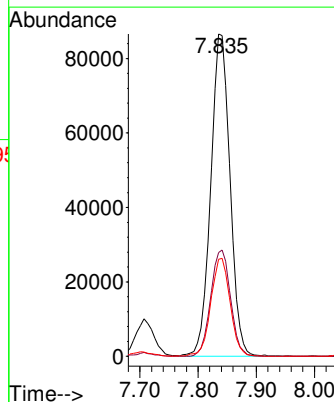
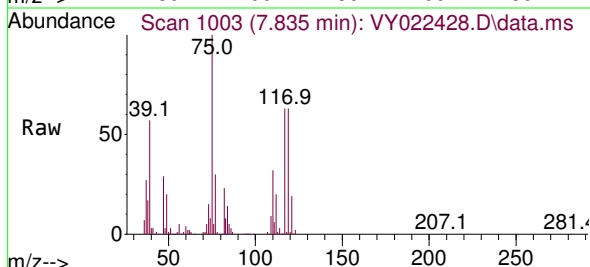
Manual Integrations
APPROVED

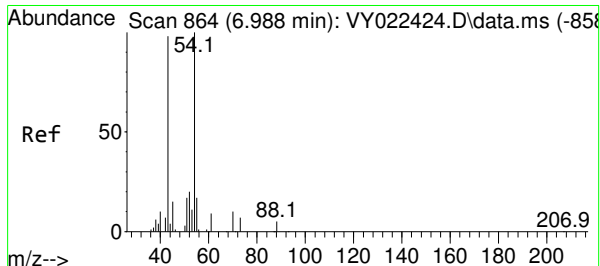
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#36
1,1-Dichloropropene
Concen: 50.295 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

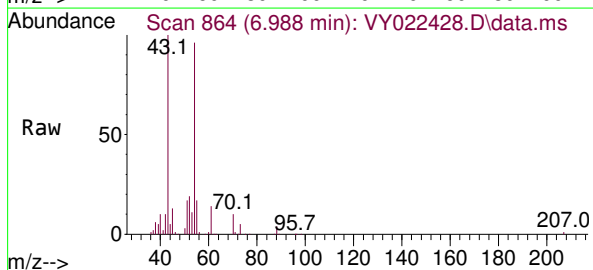
Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.1	51.2
77	30.6	25.1	37.7





#37
Ethyl Acetate
Concen: 54.775 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

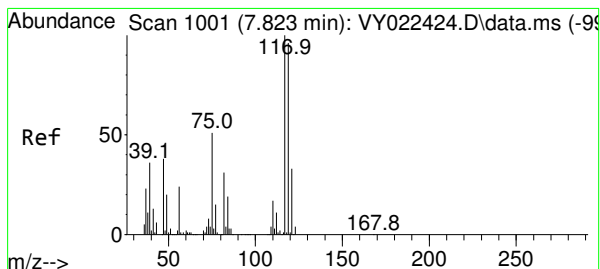
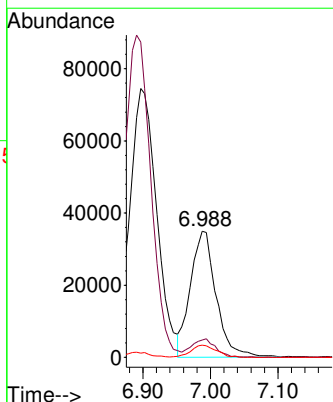
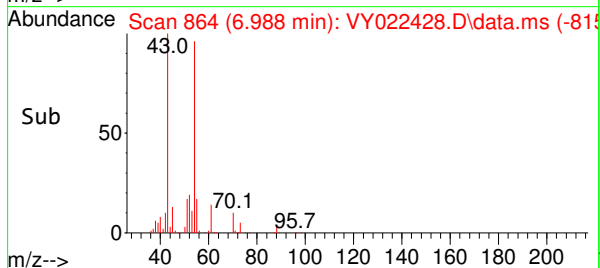
Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725



Tgt Ion: 43 Resp: 9196
Ion Ratio Lower Upper
43 100
61 13.2 11.7 17.5
70 9.8 7.8 11.6

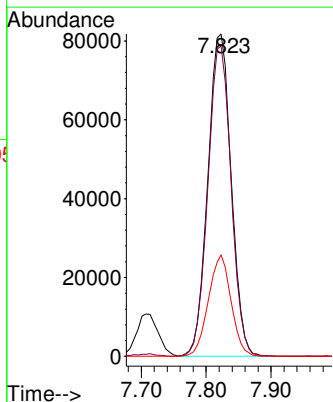
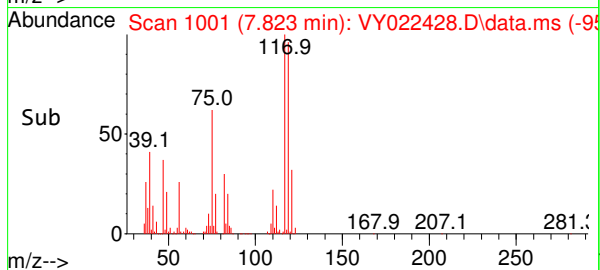
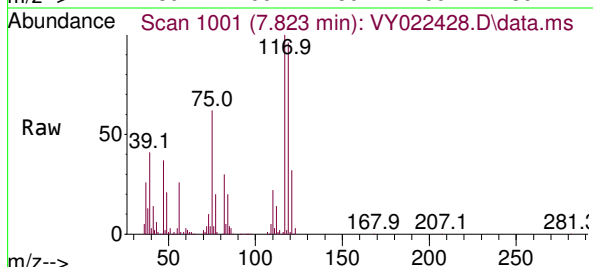
Manual Integrations
APPROVED

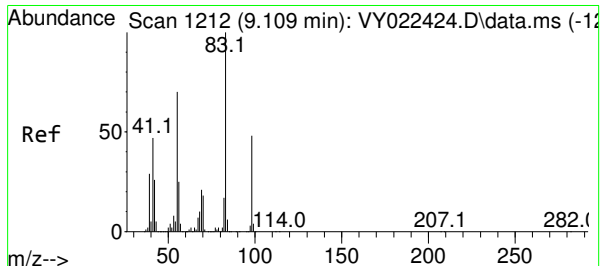
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#38
Carbon Tetrachloride
Concen: 49.782 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:117 Resp: 204881
Ion Ratio Lower Upper
117 100
119 96.2 76.3 114.5
121 31.5 26.1 39.1





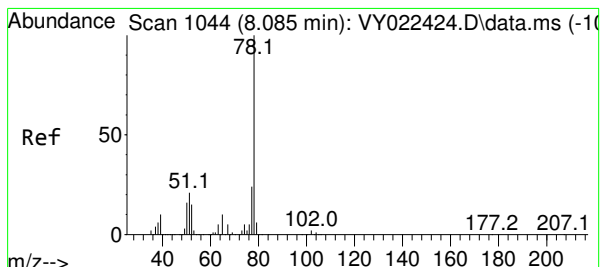
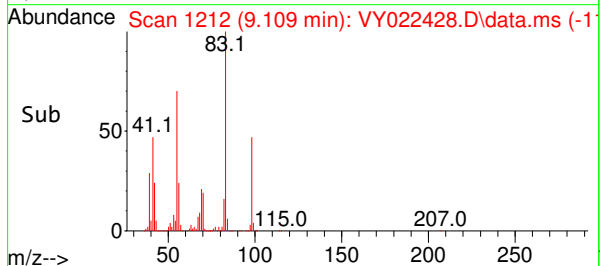
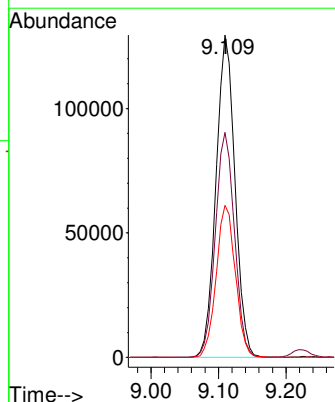
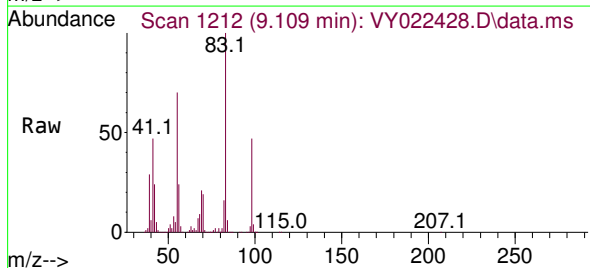
#39
Methylcyclohexane
Concen: 48.189 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 83 Resp: 25307
Ion Ratio Lower Upper
83 100
55 69.7 56.2 84.2
98 47.1 38.4 57.6

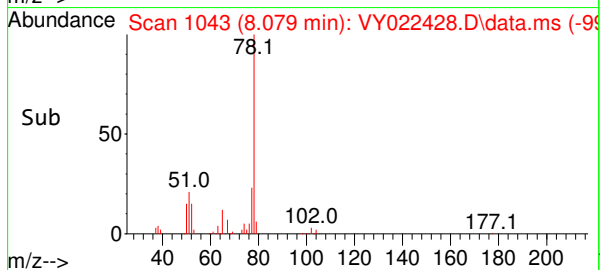
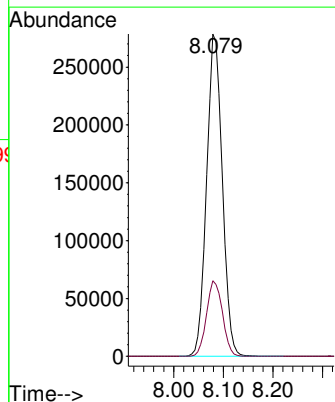
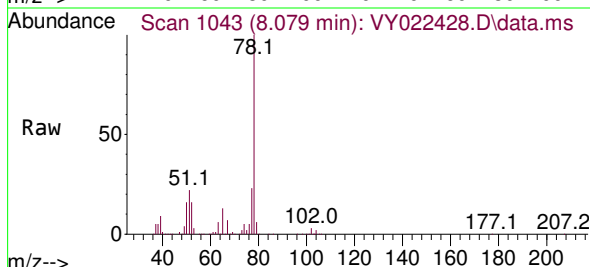
Manual Integrations
APPROVED

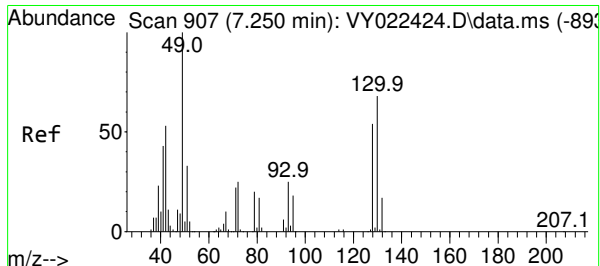
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#40
Benzene
Concen: 51.876 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

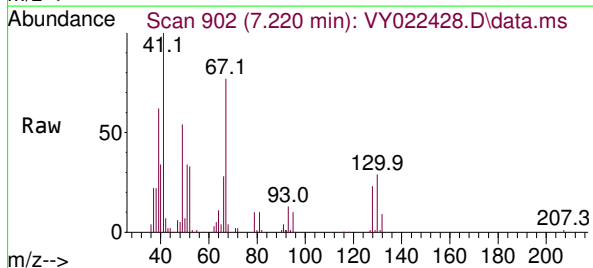
Tgt Ion: 78 Resp: 609847
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.2





#41
Methacrylonitrile
Concen: 48.279 ug/l m
RT: 7.220 min Scan# 907
Delta R.T. -0.030 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

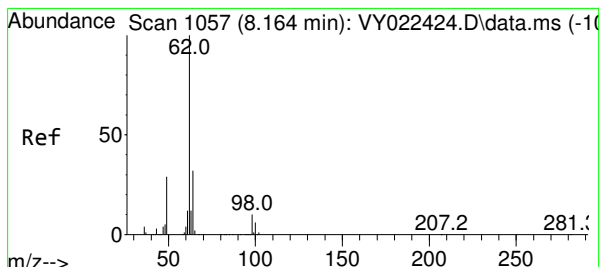
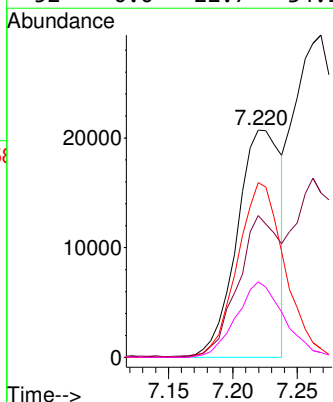
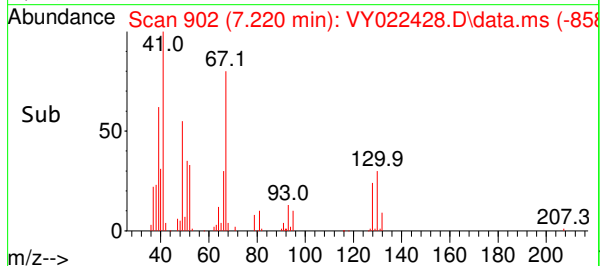
Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725



Tgt Ion: 41 Resp: 4920
Ion Ratio Lower Upper
41 100
39 79.7 40.4 60.6
67 0.0 53.0 79.4
52 0.0 22.7 34.1#

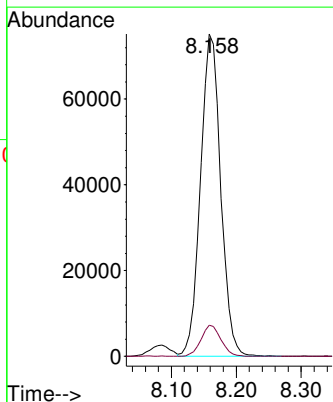
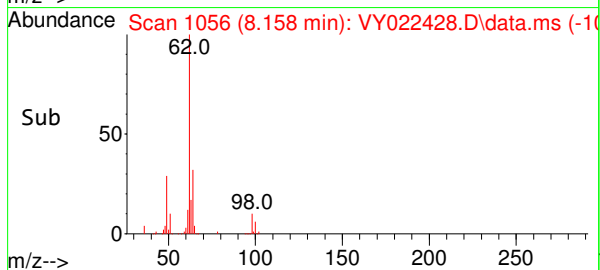
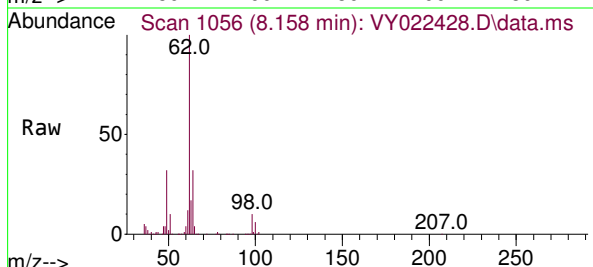
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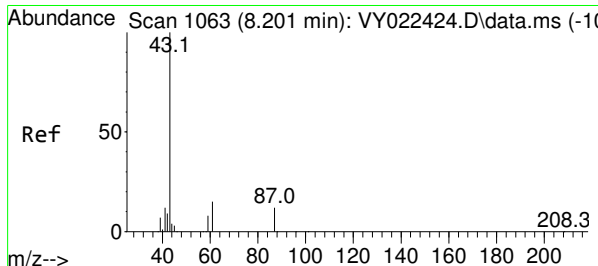
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#42
1,2-Dichloroethane
Concen: 52.242 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 62 Resp: 162203
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.4





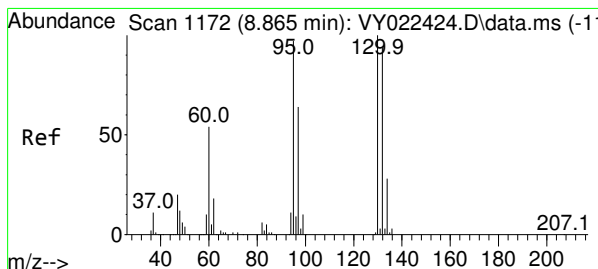
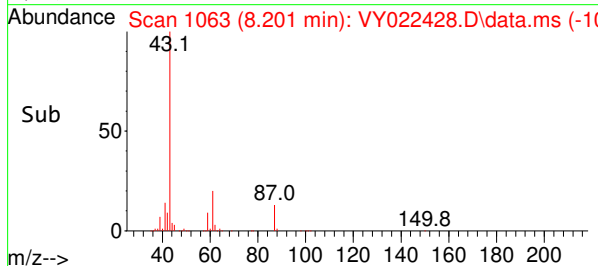
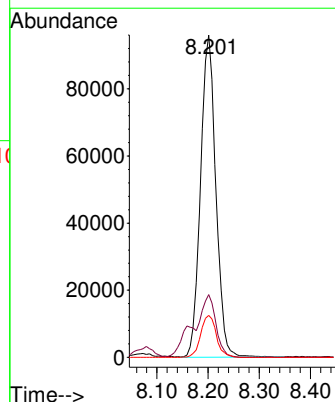
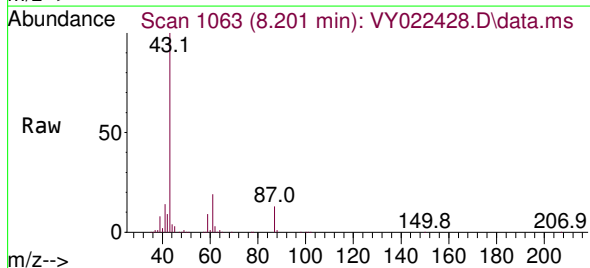
#43
Isopropyl Acetate
Concen: 54.305 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725

Tgt Ion: 43 Resp: 19924
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.6
87 13.3 10.6 15.8

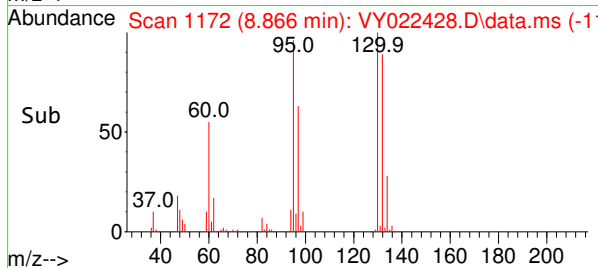
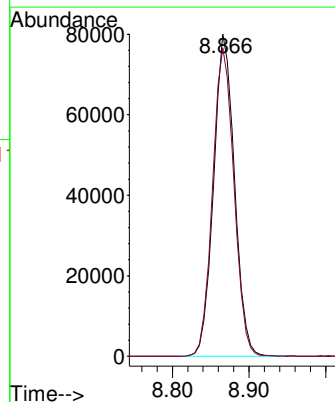
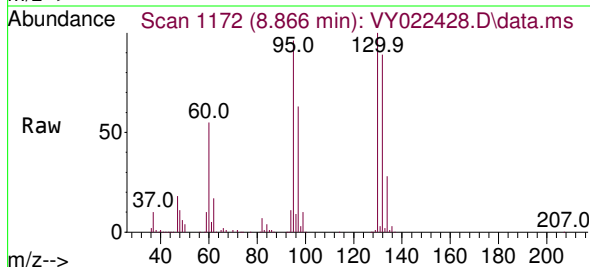
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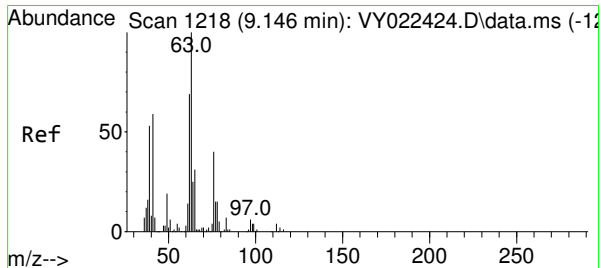
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#44
Trichloroethene
Concen: 52.041 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:130 Resp: 151238
Ion Ratio Lower Upper
130 100
95 95.7 0.0 194.8





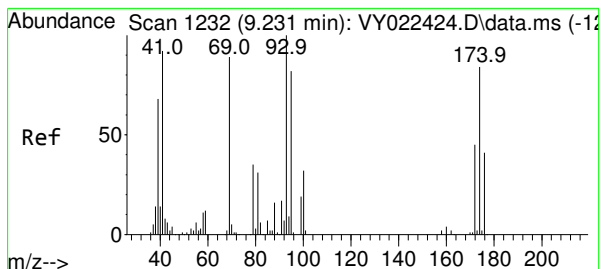
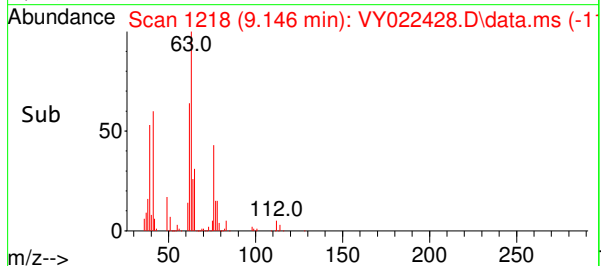
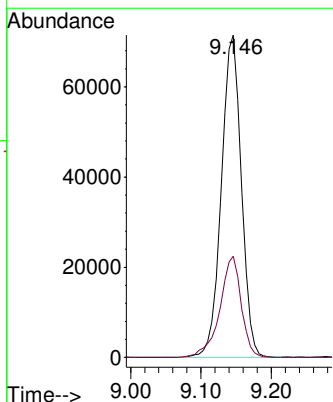
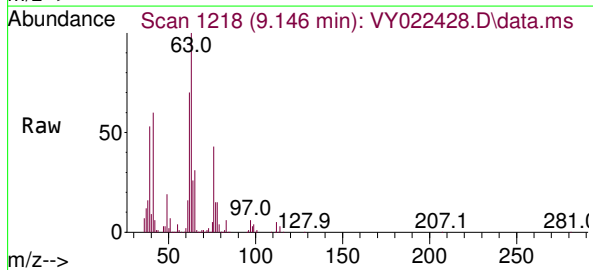
#45
1,2-Dichloropropane
Concen: 50.975 ug/l
RT: 9.146 min Scan# 1218
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725

Tgt Ion: 63 Resp: 14079
Ion Ratio Lower Upper
63 100
65 31.4 25.1 37.7

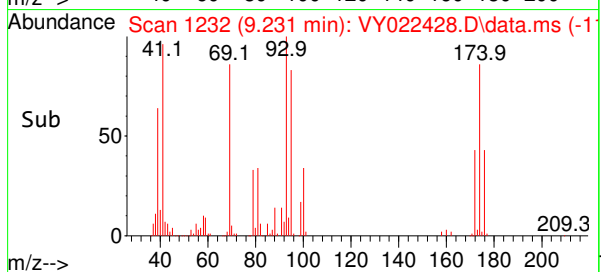
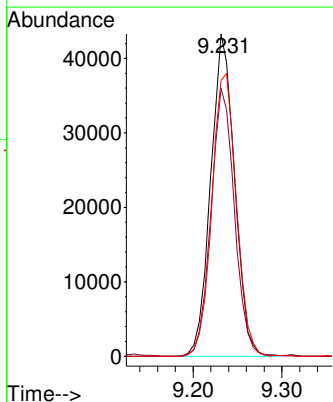
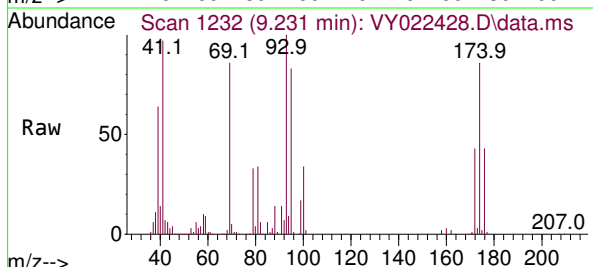
Manual Integrations
APPROVED

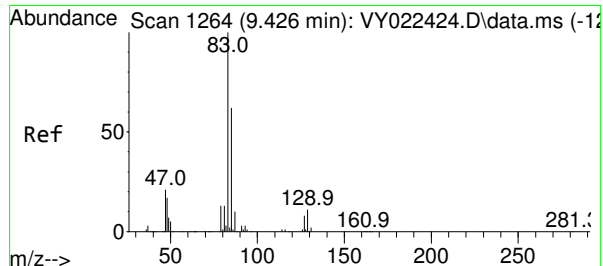
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#46
Dibromomethane
Concen: 52.586 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 93 Resp: 81139
Ion Ratio Lower Upper
93 100
95 81.8 66.2 99.2
174 89.9 71.1 106.7





#47

Bromodichloromethane

Concen: 51.745 ug/l

RT: 9.426 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022428.D

Acq: 27 May 2025 11:56

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY052725

Tgt Ion: 83 Resp: 20531

Ion Ratio Lower Upper

83 100

85 62.8 49.8 74.6

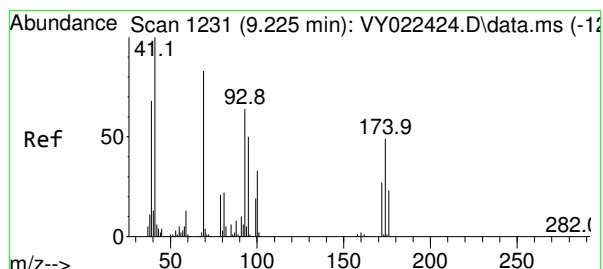
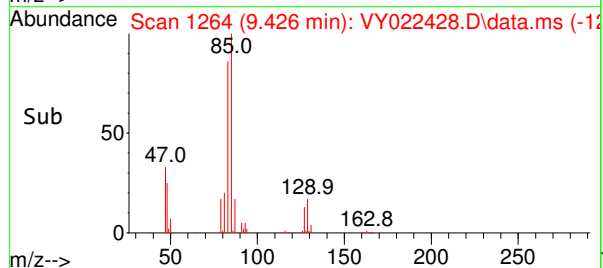
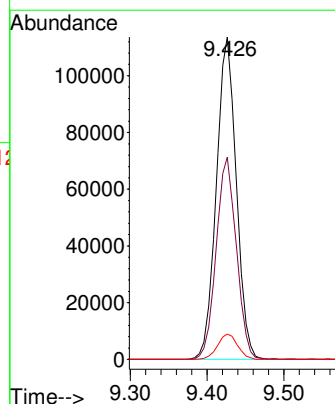
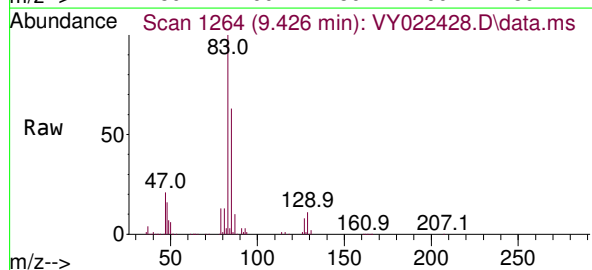
127 7.9 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 05/28/2025

Supervised By :Mahesh Dadoda 05/28/2025



#48

Methyl methacrylate

Concen: 56.276 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY022428.D

Acq: 27 May 2025 11:56

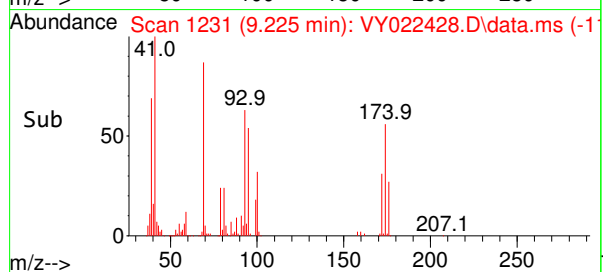
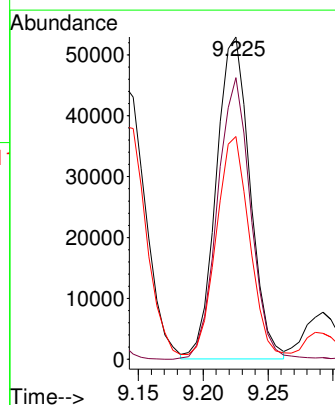
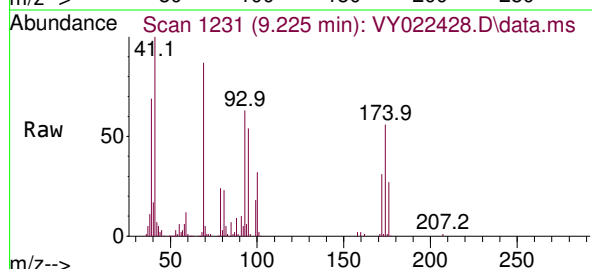
Tgt Ion: 41 Resp: 95846

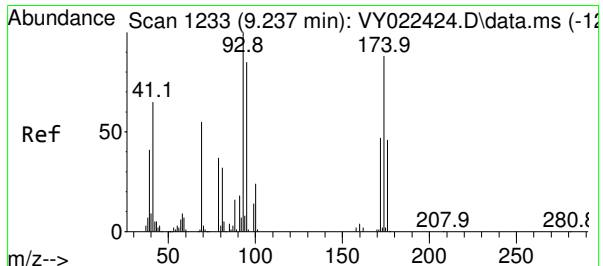
Ion Ratio Lower Upper

41 100

69 86.1 70.3 105.5

39 66.0 55.4 83.0





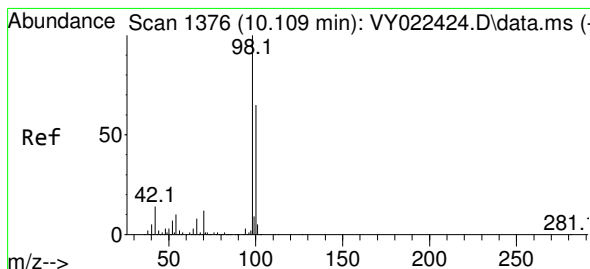
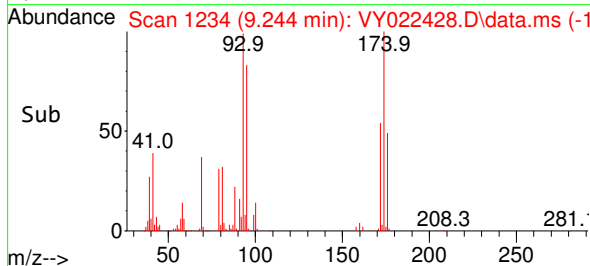
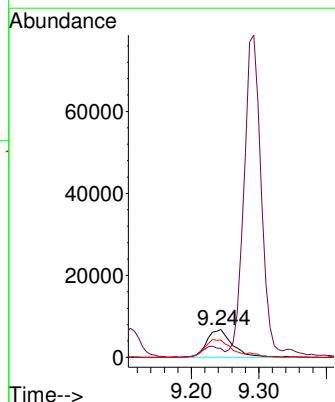
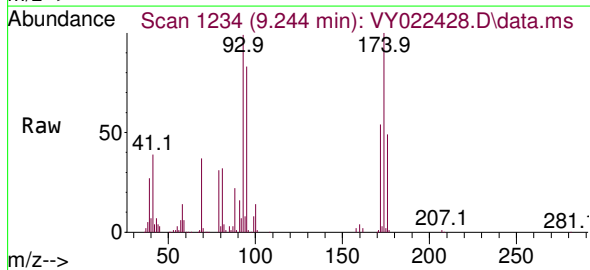
#49
1,4-Dioxane
Concen: 1051.366 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion:	88	Resp:	1791
Ion	Ratio	Lower	Upper
88	100		
43	30.9	26.9	40.3
58	64.5	55.8	83.6

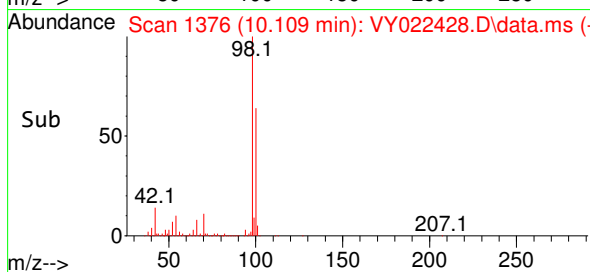
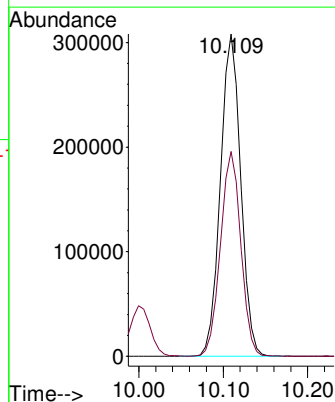
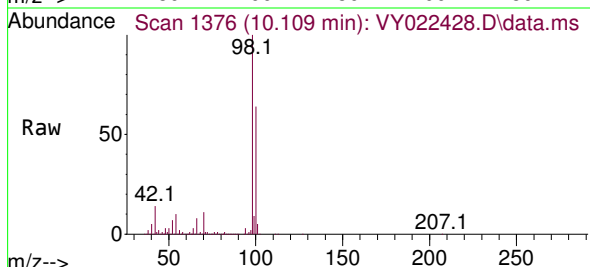
Manual Integrations
APPROVED

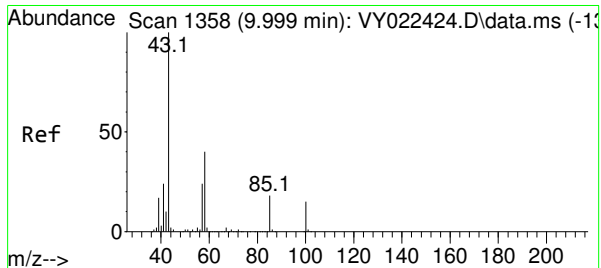
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#50
Toluene-d8
Concen: 50.886 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:	98	Resp:	516469
Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.2	78.2





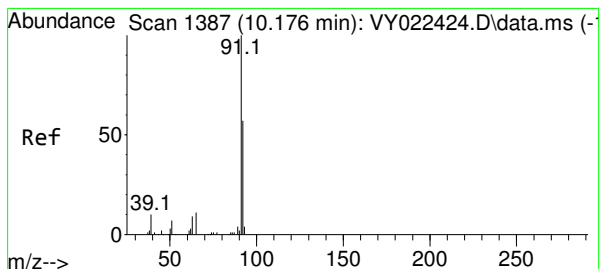
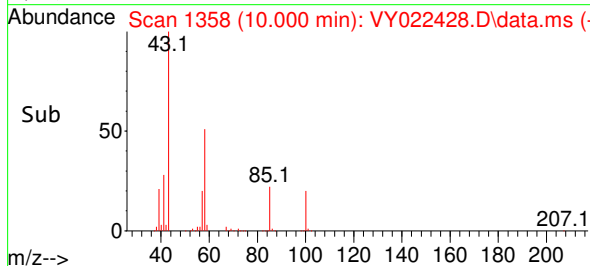
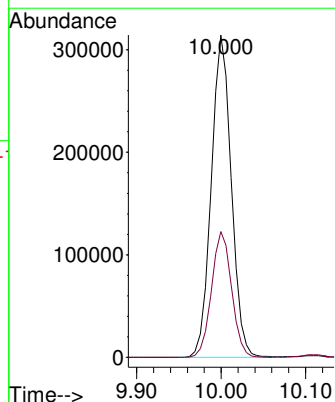
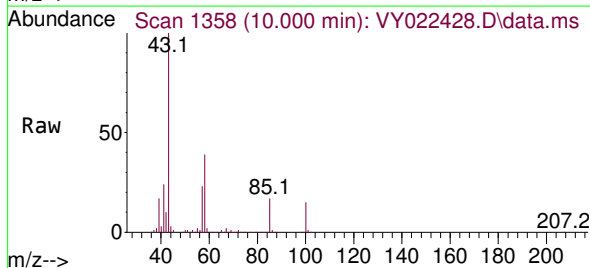
#51
4-Methyl-2-Pentanone
Concen: 287.032 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725

Tgt Ion: 43 Resp: 51966
Ion Ratio Lower Upper
43 100
58 39.2 31.2 46.8

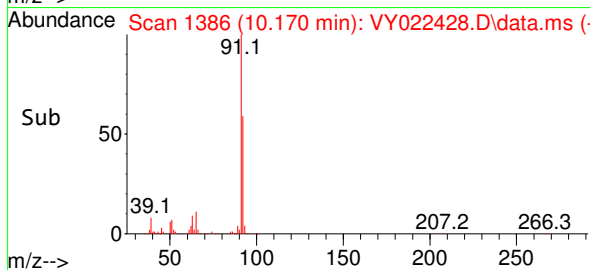
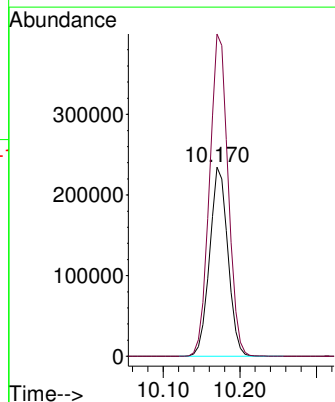
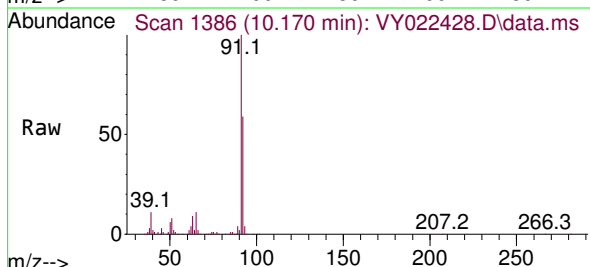
Manual Integrations
APPROVED

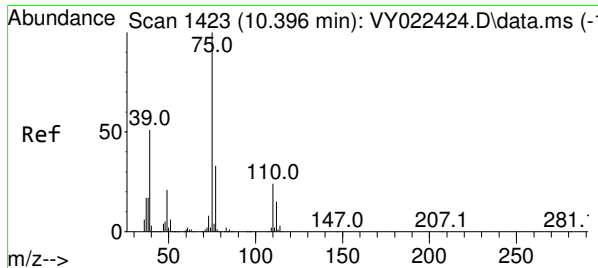
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#52
Toluene
Concen: 52.832 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 92 Resp: 387936
Ion Ratio Lower Upper
92 100
91 173.4 139.8 209.6





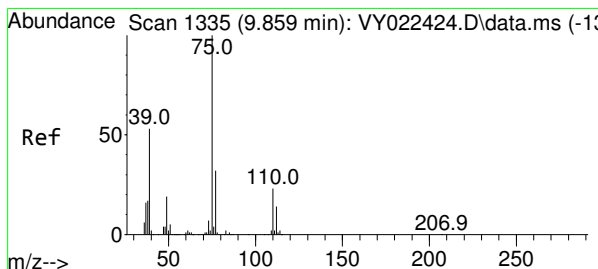
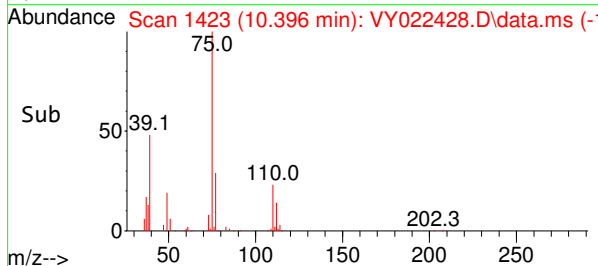
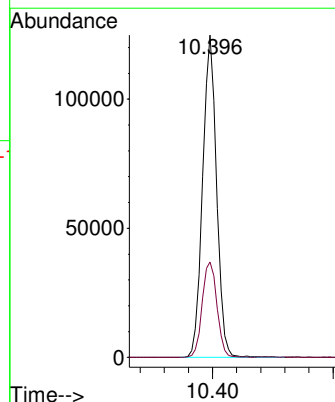
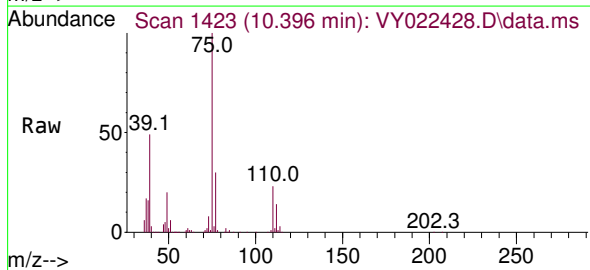
#53
t-1,3-Dichloropropene
Concen: 54.094 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 75 Resp: 19992
Ion Ratio Lower Upper
75 100
77 29.5 26.2 39.2

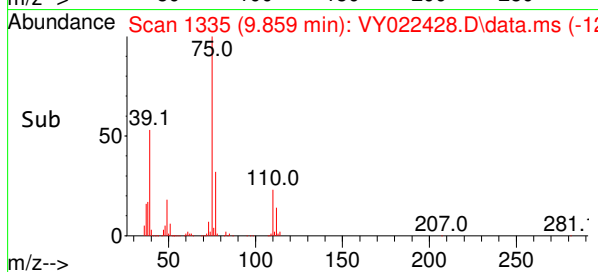
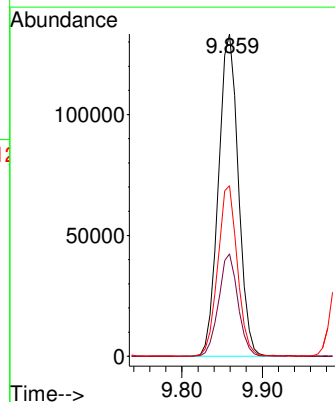
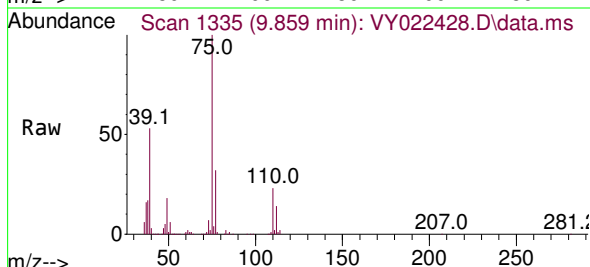
Manual Integrations
APPROVED

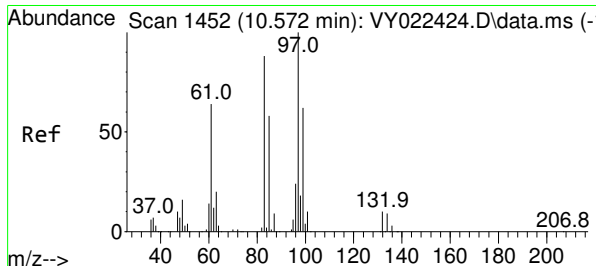
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#54
cis-1,3-Dichloropropene
Concen: 52.618 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 75 Resp: 228509
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
39 52.8 42.5 63.7





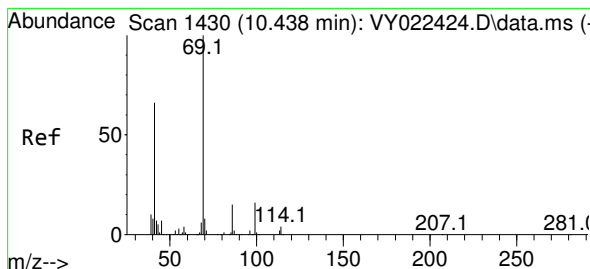
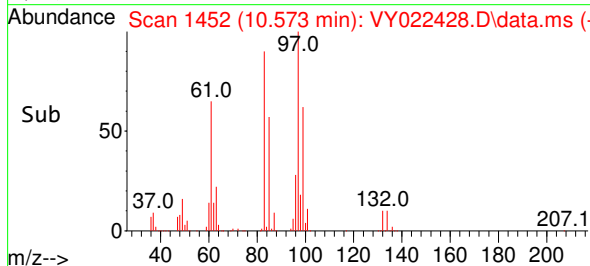
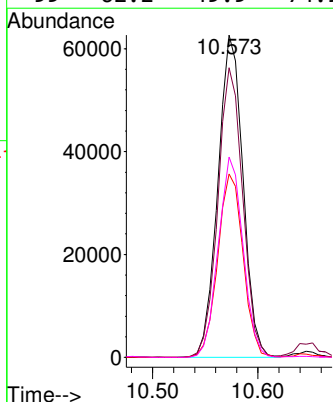
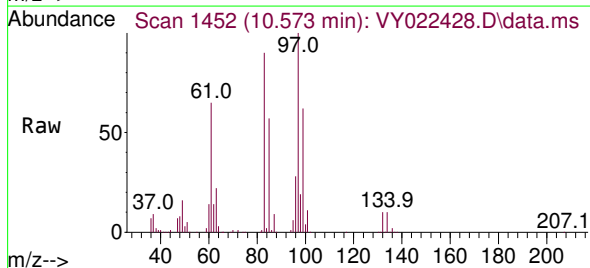
#55
1,1,2-Trichloroethane
Concen: 53.168 ug/l
RT: 10.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 97 Resp: 10372
Ion Ratio Lower Upper
97 100
83 89.8 70.2 105.4
85 56.9 46.1 69.1
99 62.2 49.9 74.9

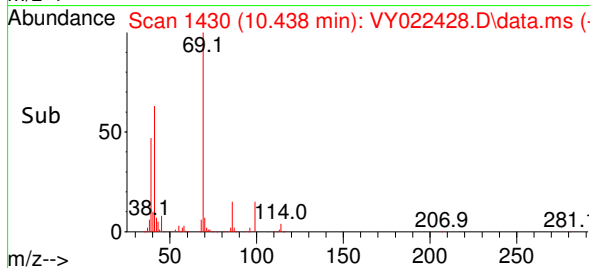
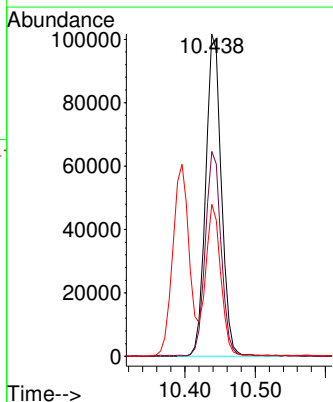
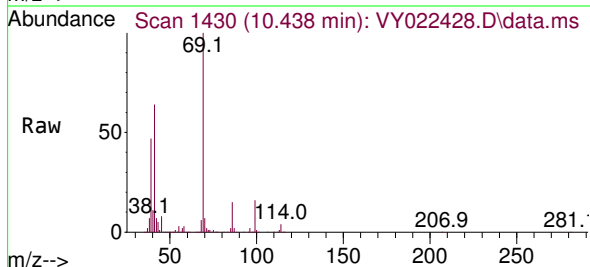
Manual Integrations
APPROVED

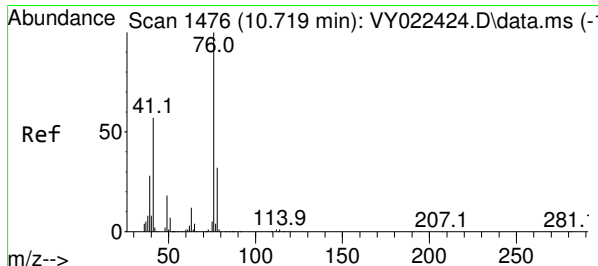
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#56
Ethyl methacrylate
Concen: 55.994 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 69 Resp: 156757
Ion Ratio Lower Upper
69 100
41 64.1 51.2 76.8
39 44.3 35.2 52.8





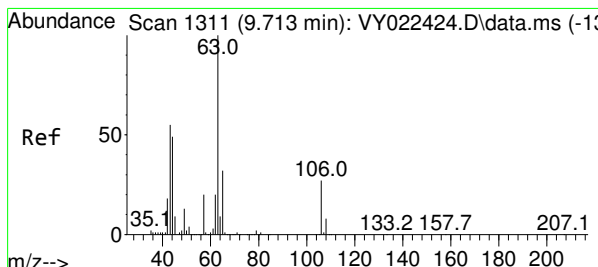
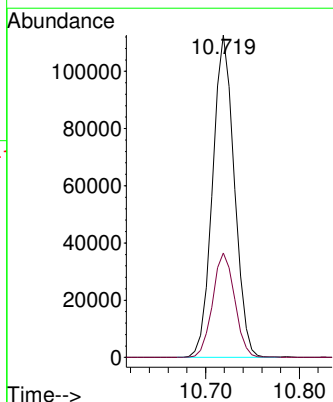
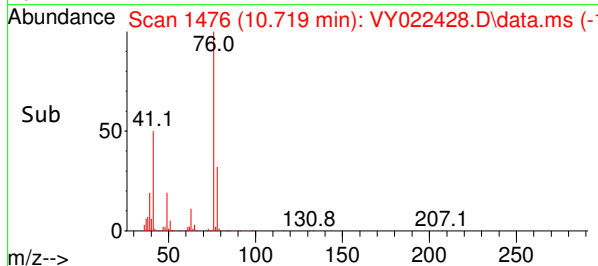
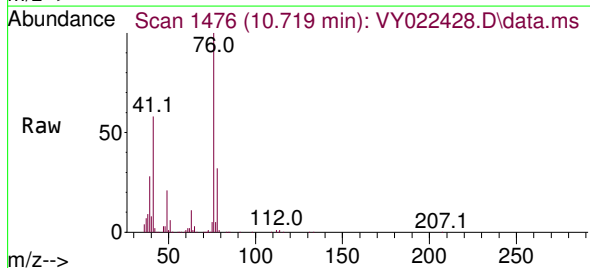
#57
1,3-Dichloropropane
Concen: 52.634 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 76 Resp: 18094
Ion Ratio Lower Upper
76 100
78 32.8 25.8 38.8

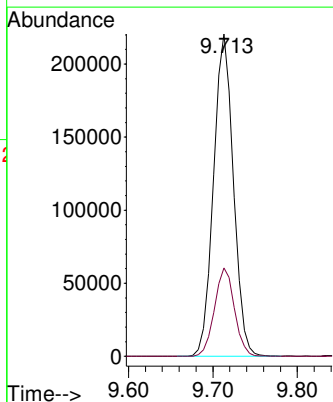
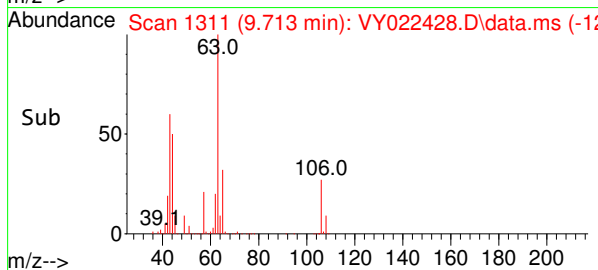
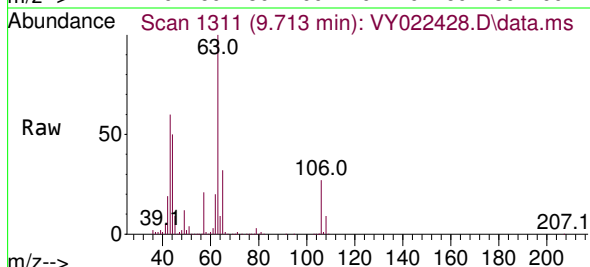
Manual Integrations
APPROVED

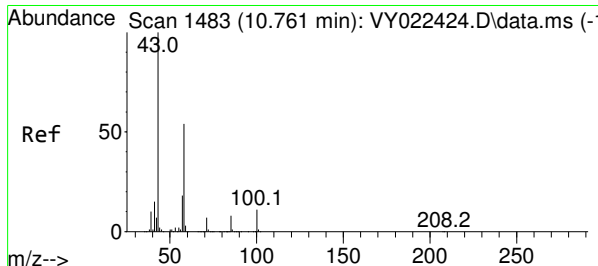
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 259.493 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 63 Resp: 362054
Ion Ratio Lower Upper
63 100
106 27.5 22.2 33.2





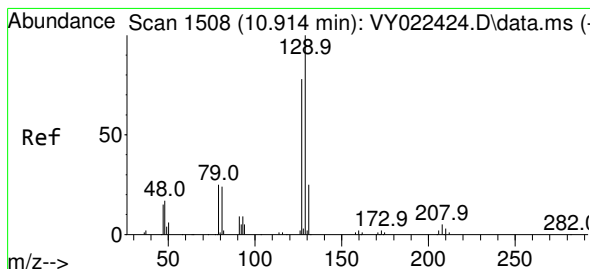
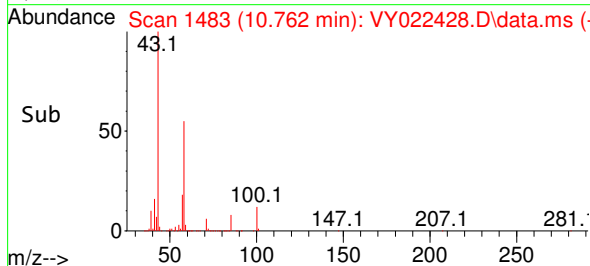
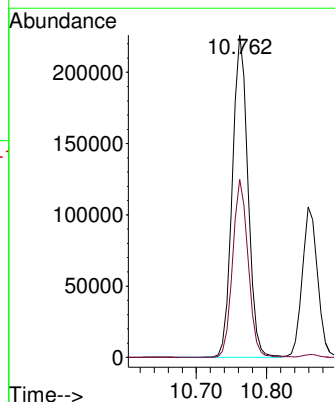
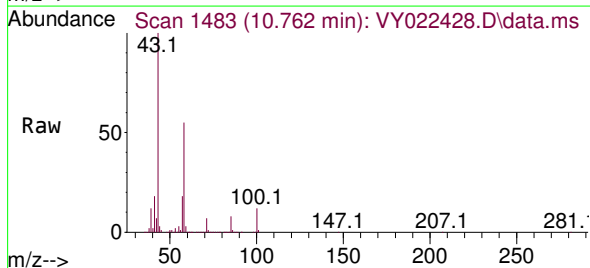
#59
2-Hexanone
Concen: 292.964 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 43 Resp: 34756
Ion Ratio Lower Upper
43 100
58 54.8 27.1 81.2

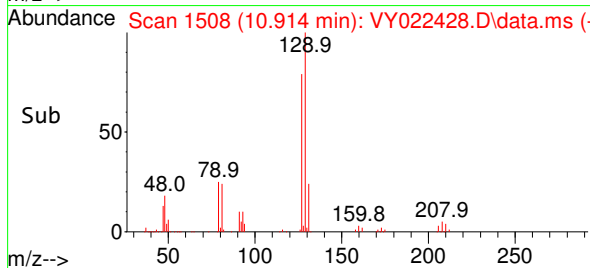
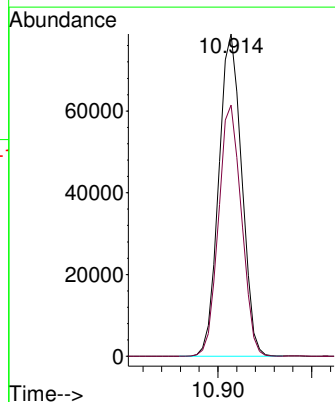
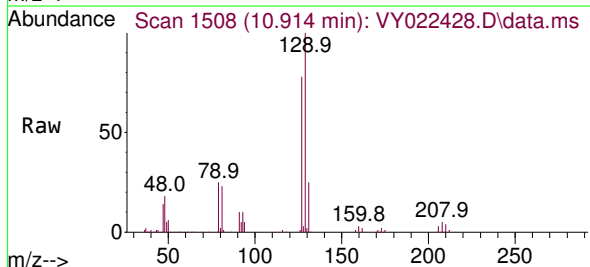
Manual Integrations
APPROVED

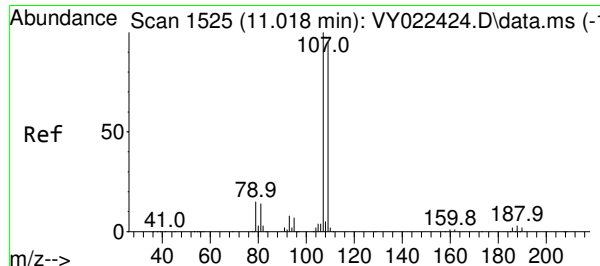
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#60
Dibromochloromethane
Concen: 53.666 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:129 Resp: 133735
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





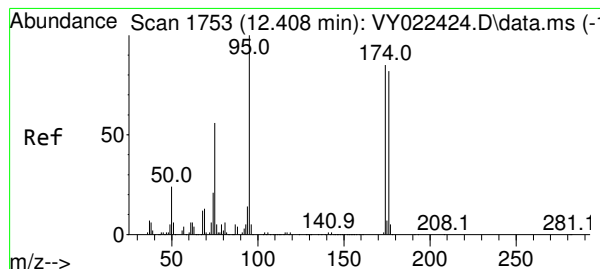
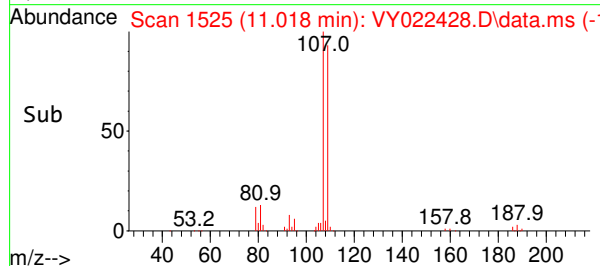
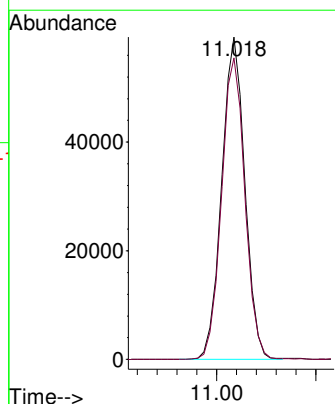
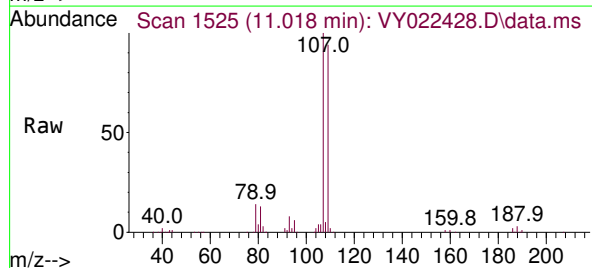
#61
1,2-Dibromoethane
Concen: 54.130 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 107 Resp: 9658
Ion Ratio Lower Upper
107 100
109 94.3 74.0 111.0

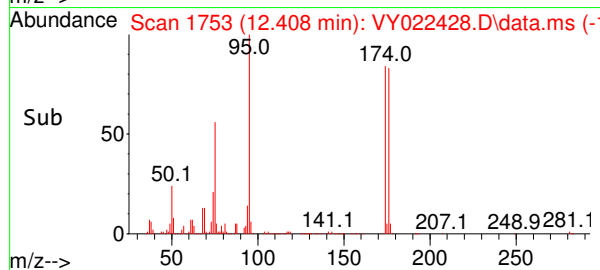
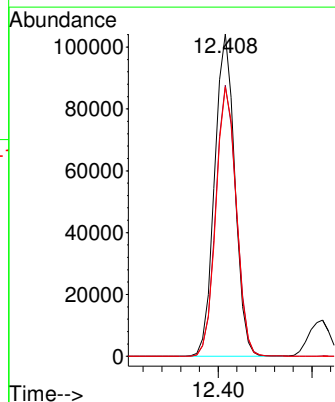
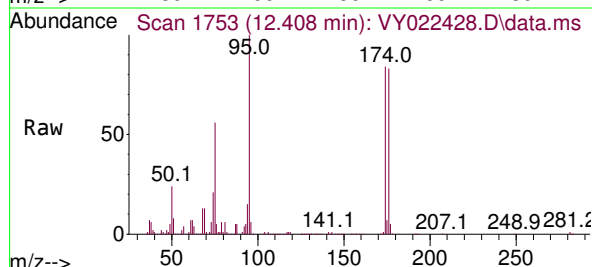
Manual Integrations
APPROVED

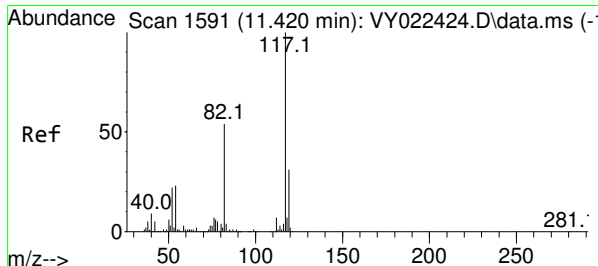
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#62
4-Bromofluorobenzene
Concen: 50.731 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 95 Resp: 155747
Ion Ratio Lower Upper
95 100
174 85.0 0.0 171.6
176 84.3 0.0 164.6





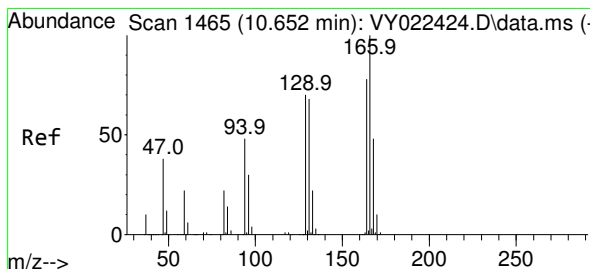
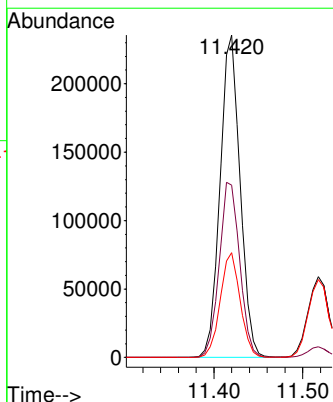
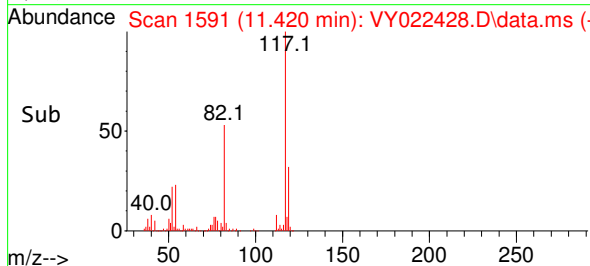
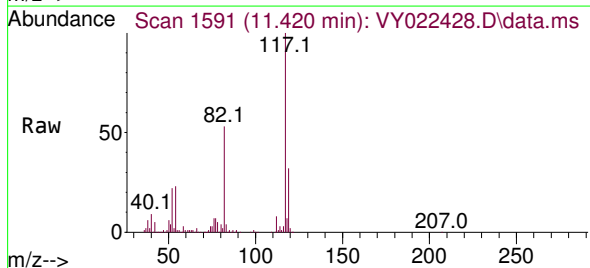
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.3	64.9
119	32.5	24.5	36.7

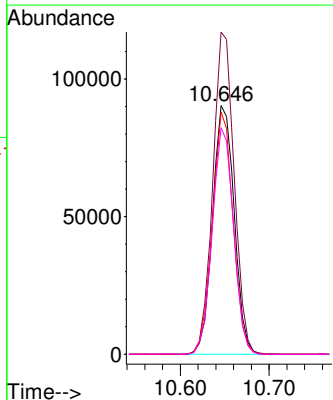
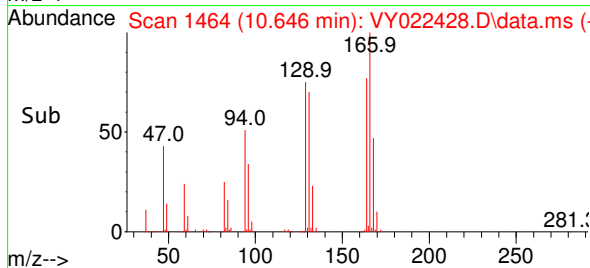
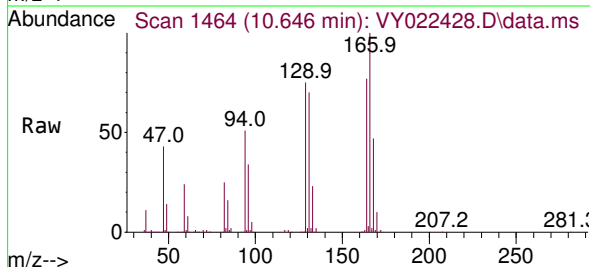
Manual Integrations
APPROVED

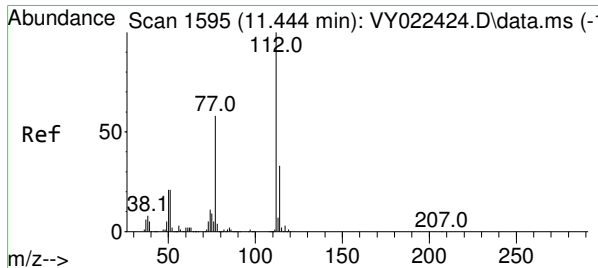
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#64
Tetrachloroethene
Concen: 48.564 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.0	153.0
129	97.4	71.3	106.9
131	91.2	69.4	104.0





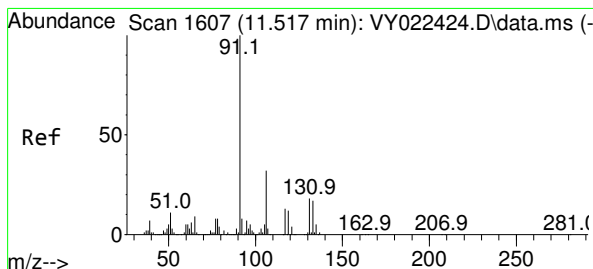
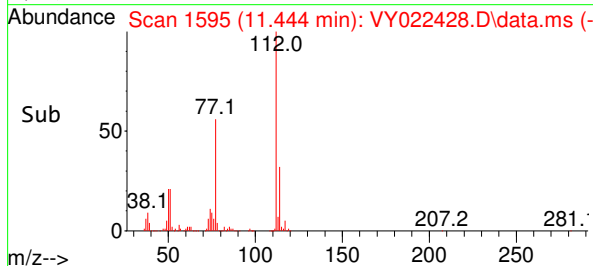
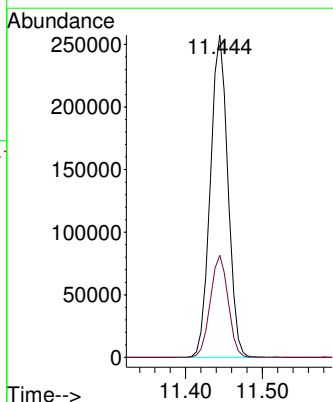
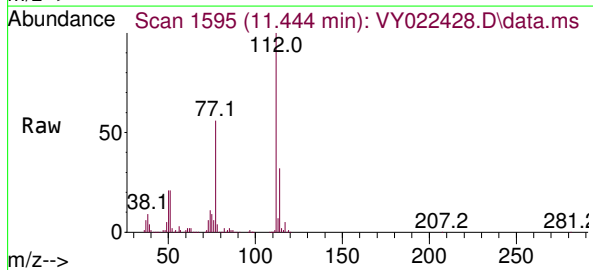
#65
Chlorobenzene
Concen: 51.703 ug/l
RT: 11.444 min Scan# 112
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion:112 Resp: 40919
Ion Ratio Lower Upper
112 100
114 31.7 26.1 39.1

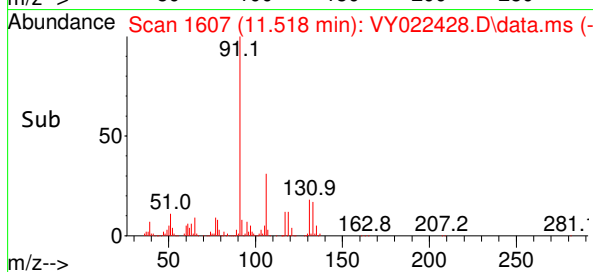
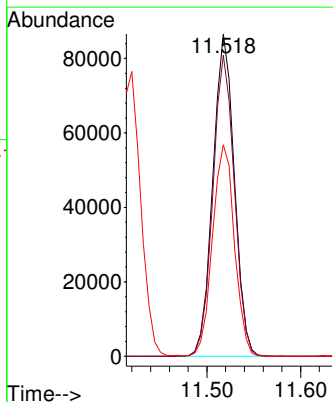
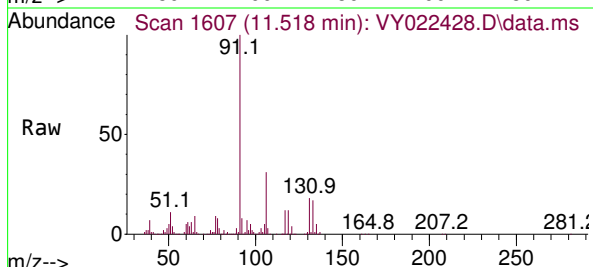
Manual Integrations
APPROVED

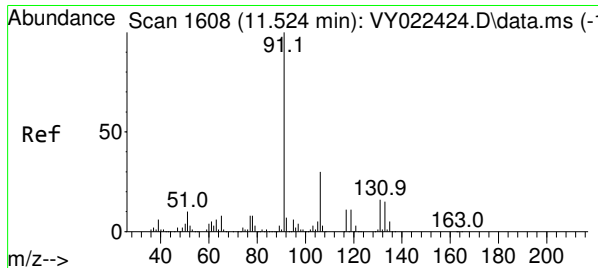
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 51.219 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:131 Resp: 137345
Ion Ratio Lower Upper
131 100
133 93.5 46.6 139.8
119 67.0 33.3 99.8





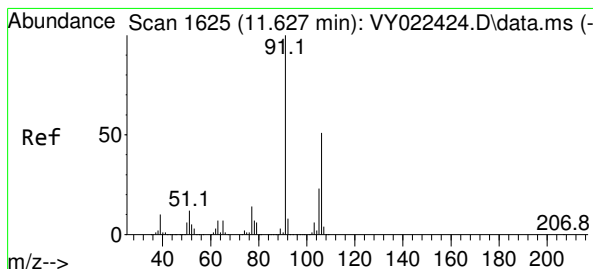
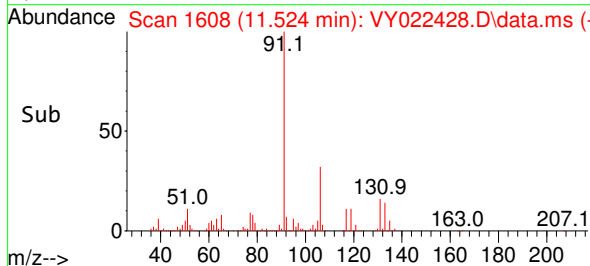
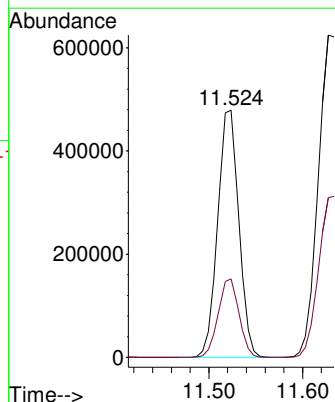
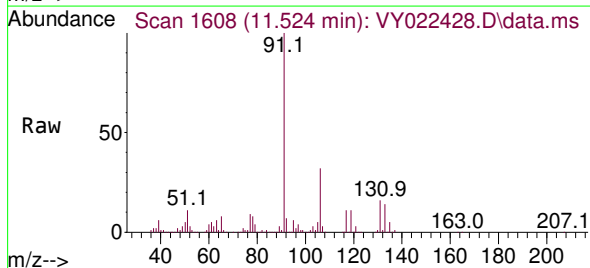
#67
Ethyl Benzene
Concen: 50.971 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 91 Resp: 74904
Ion Ratio Lower Upper
91 100
106 31.7 24.4 36.6

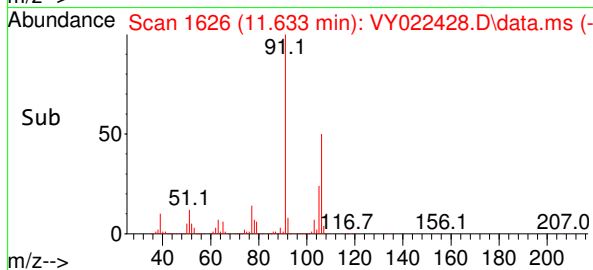
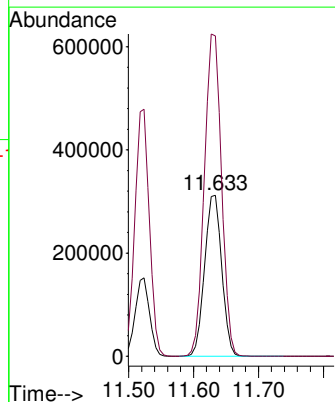
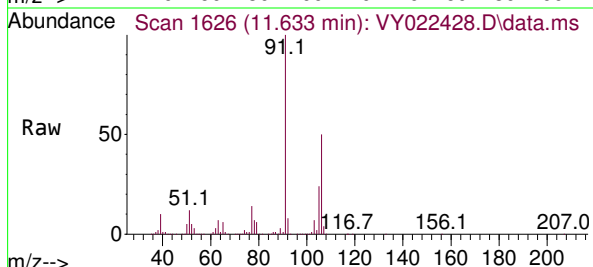
Manual Integrations
APPROVED

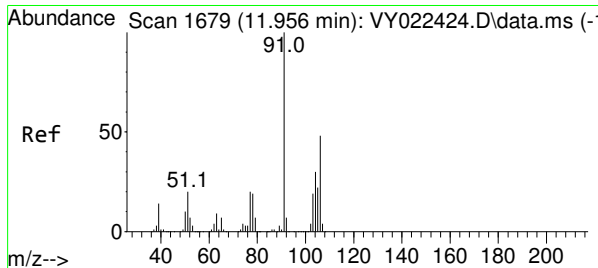
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#68
m/p-Xylenes
Concen: 102.513 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:106 Resp: 571164
Ion Ratio Lower Upper
106 100
91 199.8 159.8 239.8





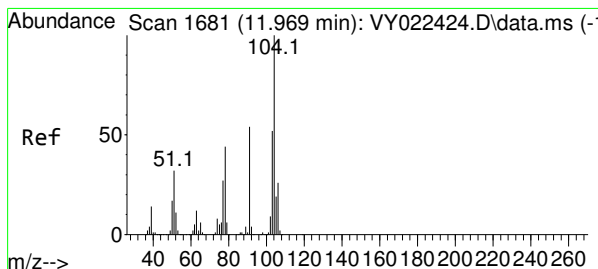
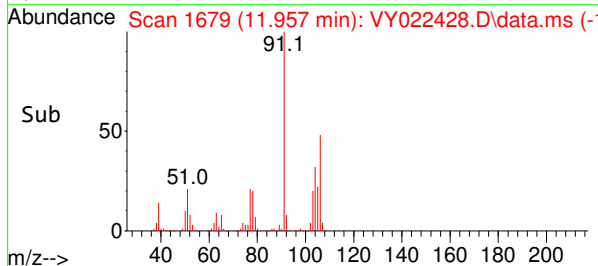
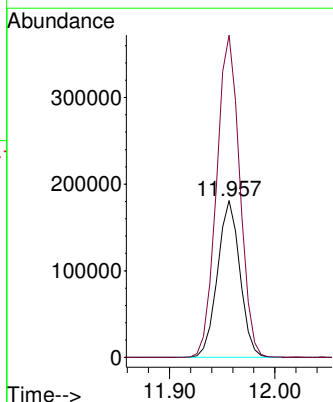
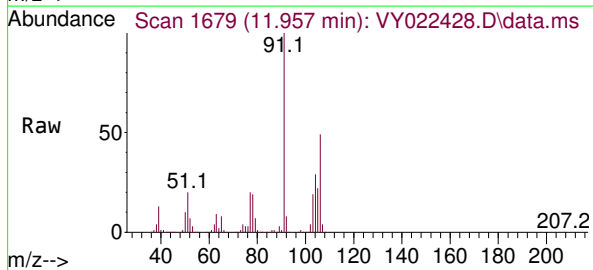
#69
o-Xylene
Concen: 51.205 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion:106 Resp: 26813
Ion Ratio Lower Upper
106 100
91 212.5 106.3 318.9

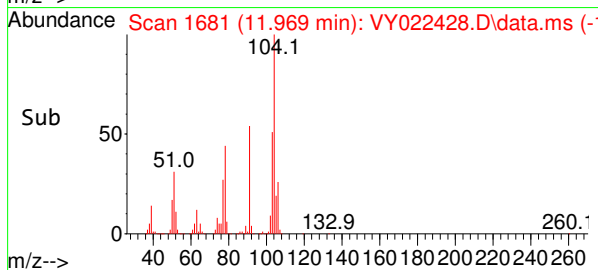
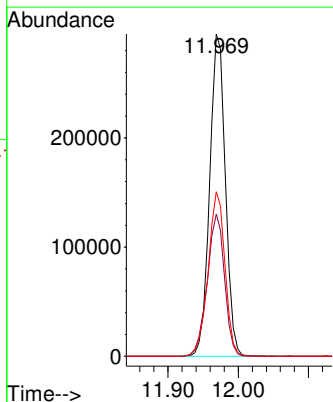
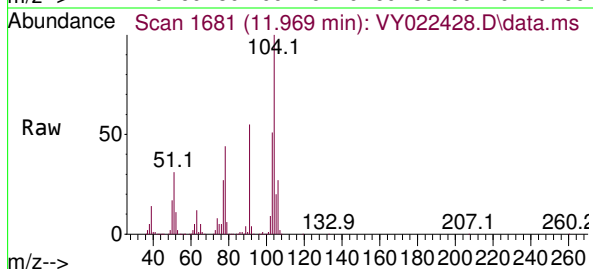
Manual Integrations
APPROVED

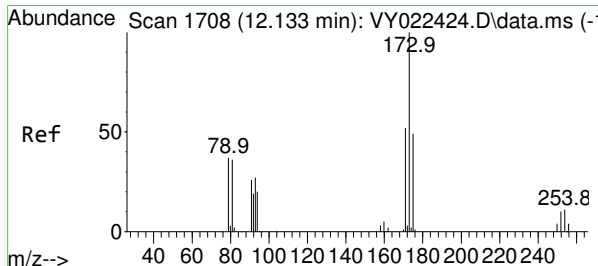
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#70
Styrene
Concen: 52.397 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:104 Resp: 456865
Ion Ratio Lower Upper
104 100
78 48.6 38.8 58.2
103 54.6 43.4 65.2





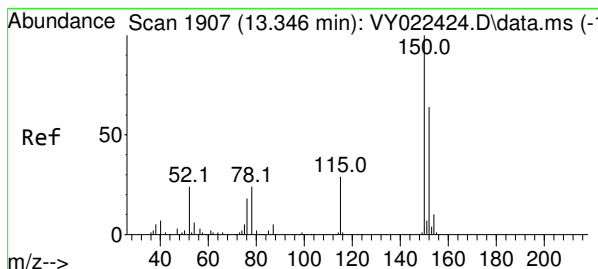
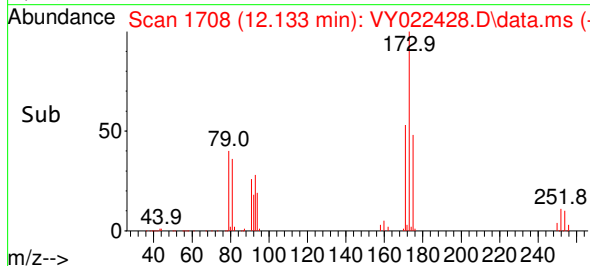
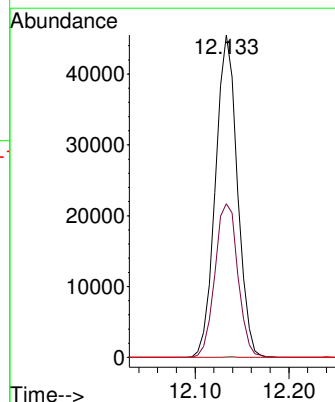
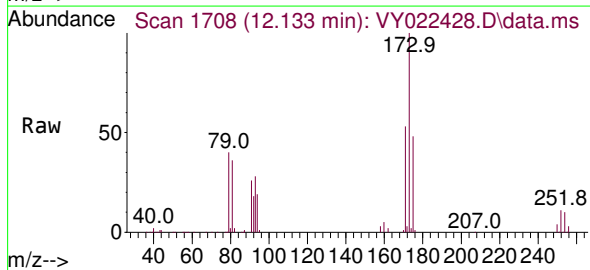
#71
Bromoform
Concen: 52.420 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	73.0
254	0.1	0.1	0.1

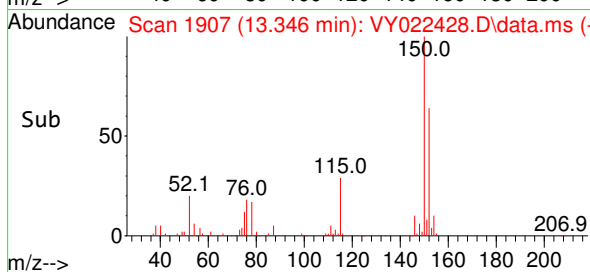
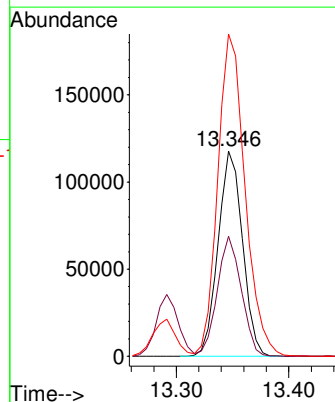
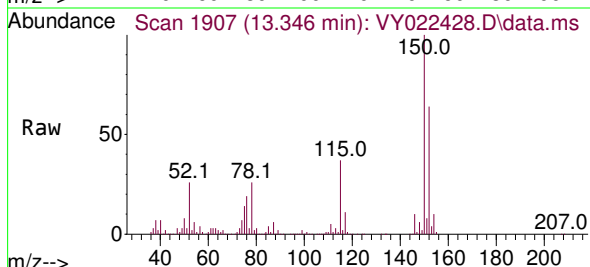
Manual Integrations
APPROVED

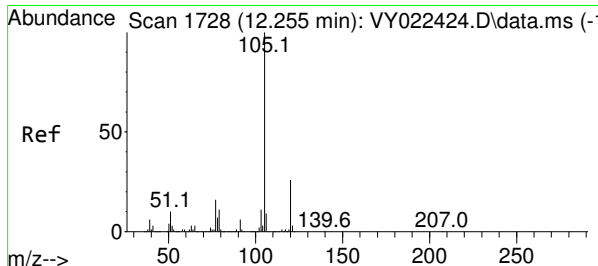
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.4	85.3
150	175.4	0.0	345.8





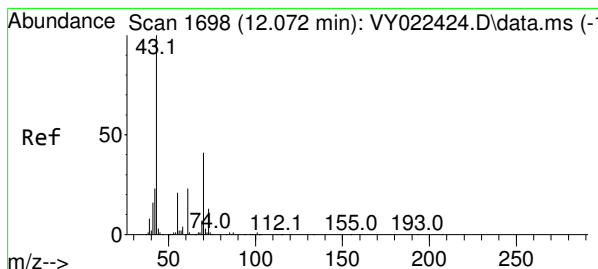
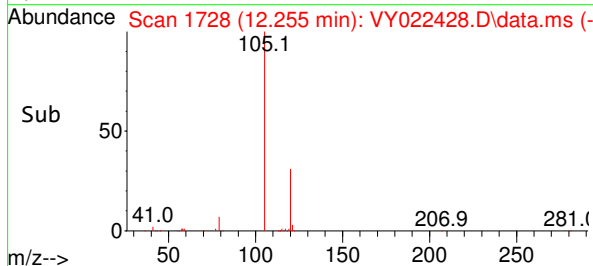
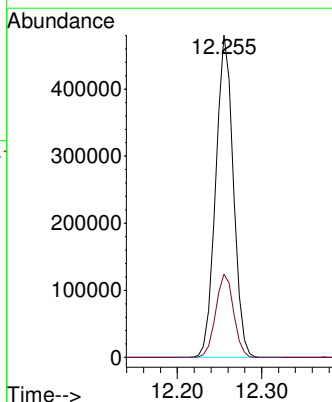
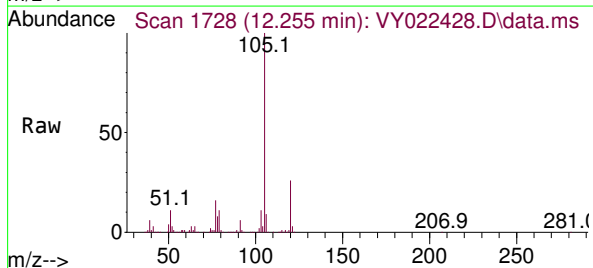
#73
Isopropylbenzene
Concen: 50.060 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument : MSVOA_Y
ClientSampleId : ICVVY052725

Tgt Ion: 105 Resp: 69831
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

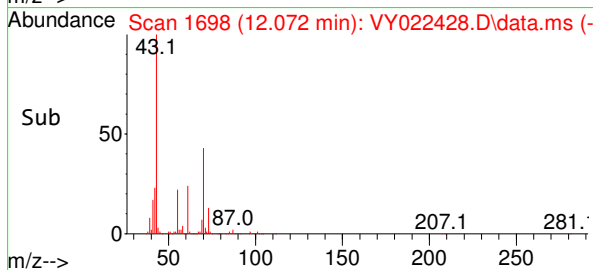
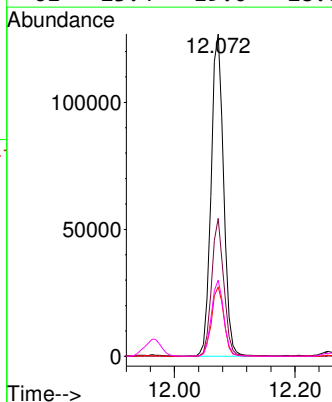
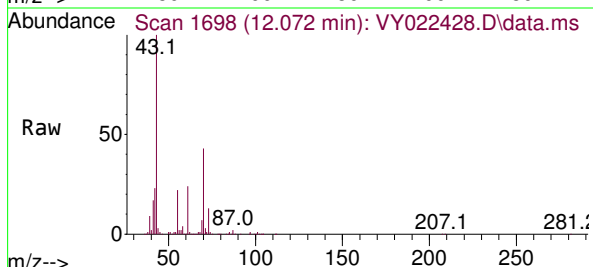
Manual Integrations
APPROVED

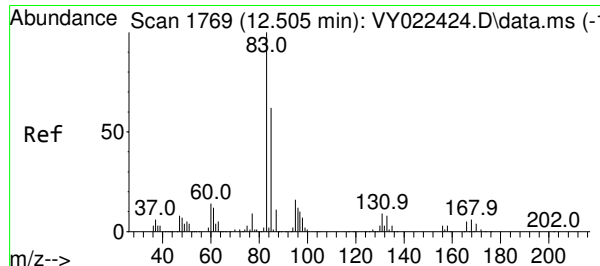
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#74
N-ethyl acetate
Concen: 53.559 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 182818
Ion Ratio Lower Upper
43 100
70 41.6 33.0 49.4
55 21.9 17.5 26.3
61 23.4 19.0 28.6





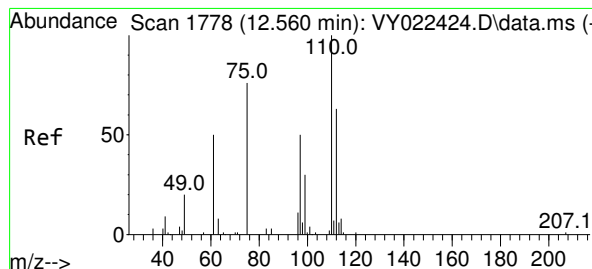
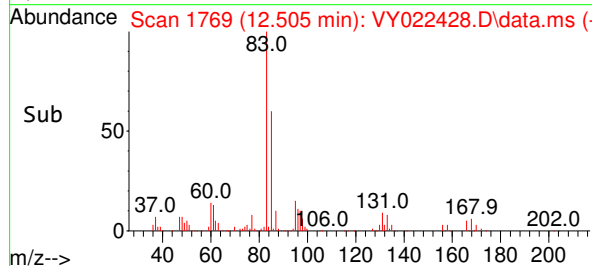
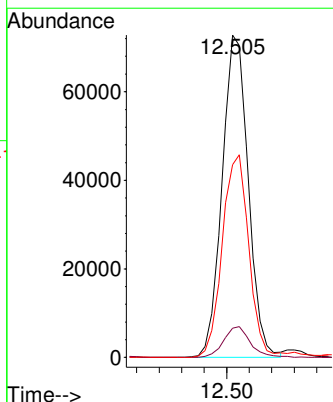
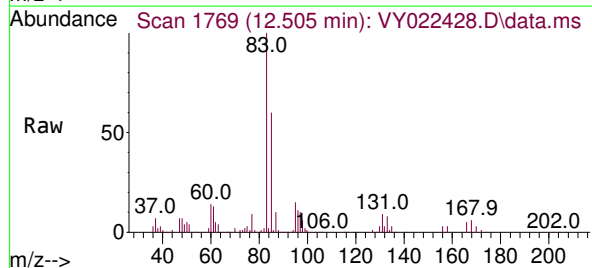
#75
1,1,2,2-Tetrachloroethane
Concen: 53.303 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	65.0	32.0	96.2

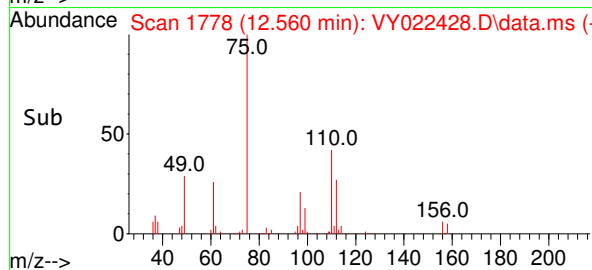
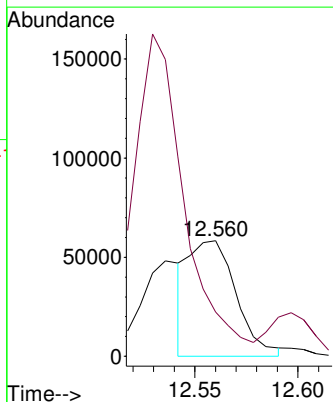
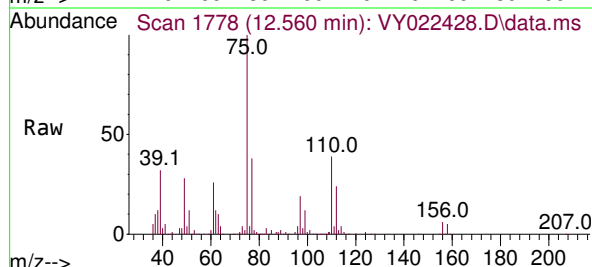
Manual Integrations
APPROVED

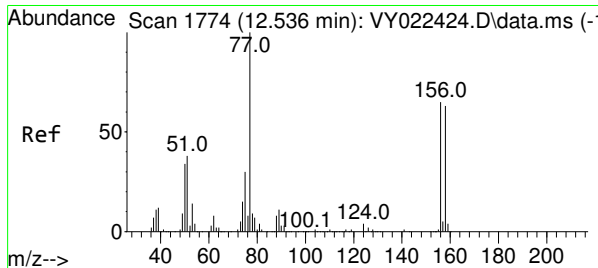
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#76
1,2,3-Trichloropropane
Concen: 52.582 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





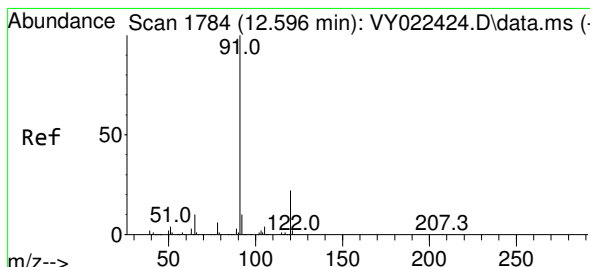
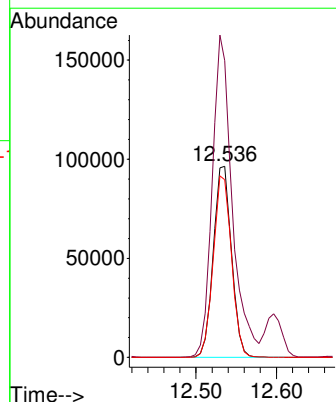
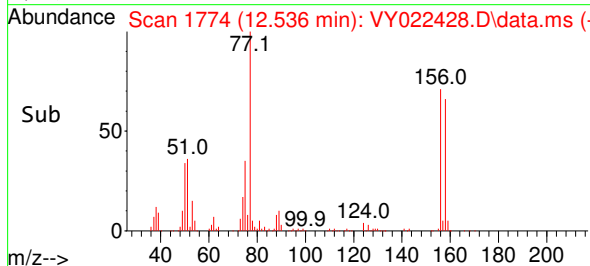
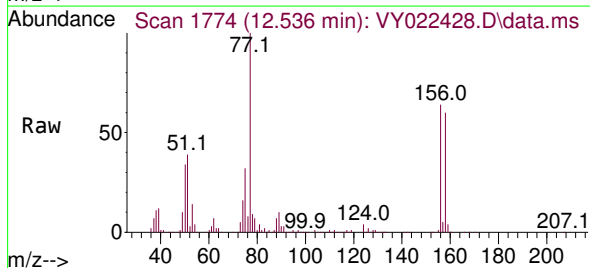
#77
Bromobenzene
Concen: 50.481 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion	Ratio	Lower	Upper
156	100		
77	185.5	91.4	274.2
158	95.2	48.1	144.3

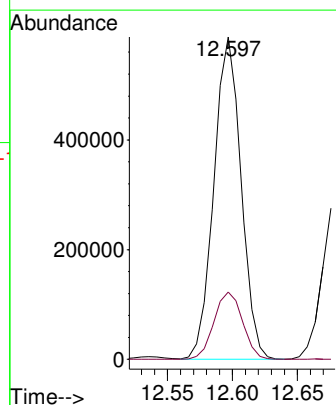
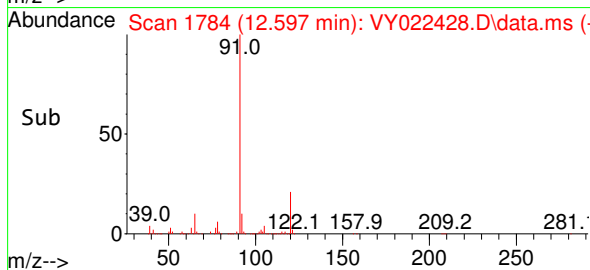
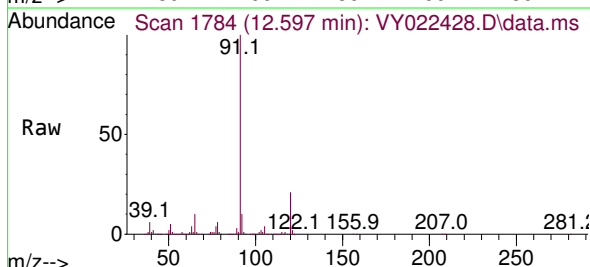
Manual Integrations
APPROVED

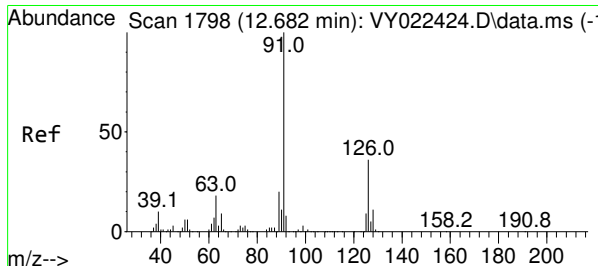
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#78
n-propylbenzene
Concen: 50.973 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.5





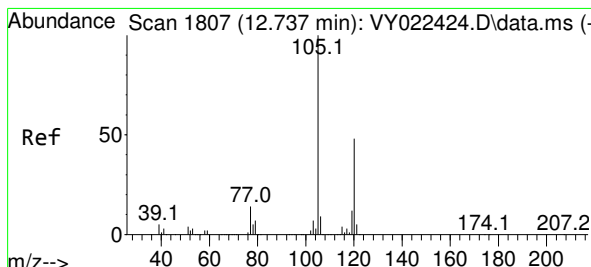
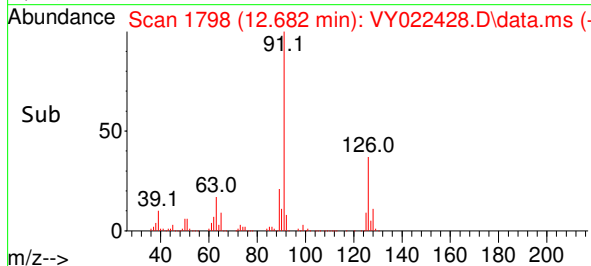
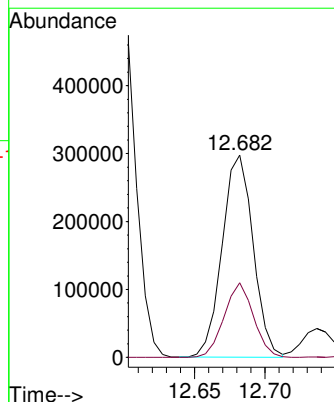
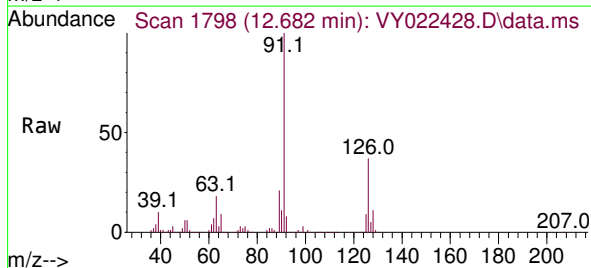
#79
2-Chlorotoluene
Concen: 50.314 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument : MSVOA_Y
ClientSampleId : ICVVY052725

Tgt Ion: 91 Resp: 45594
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.3

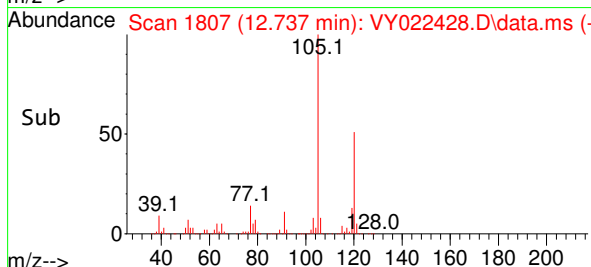
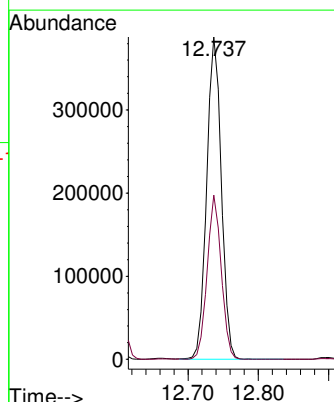
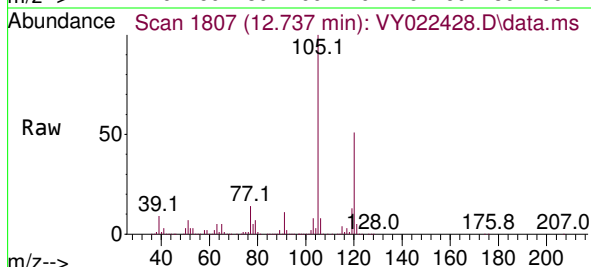
Manual Integrations
APPROVED

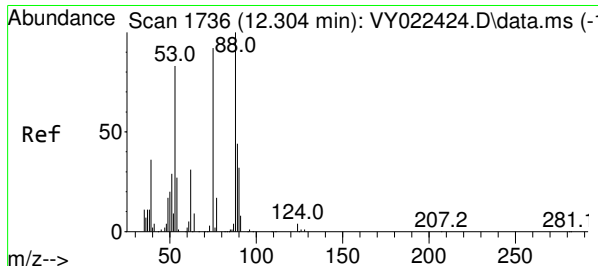
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 51.376 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:105 Resp: 559964
Ion Ratio Lower Upper
105 100
120 49.2 24.3 73.0





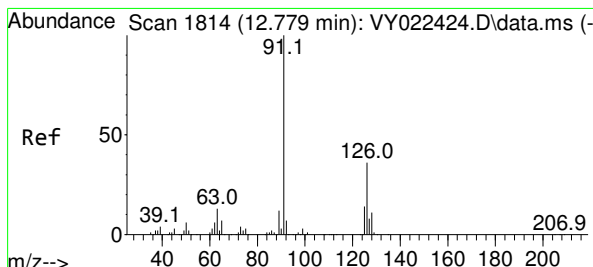
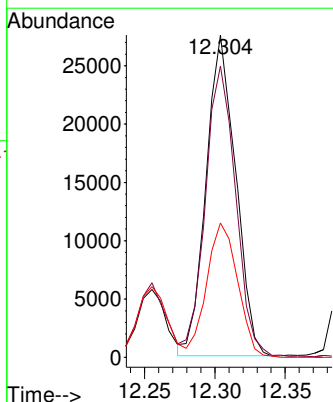
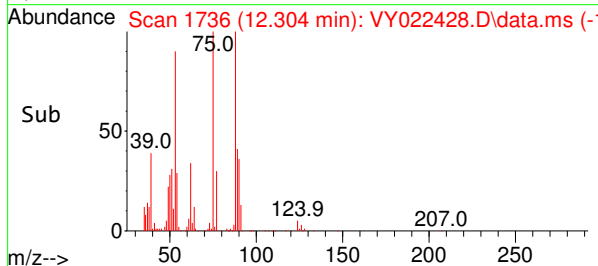
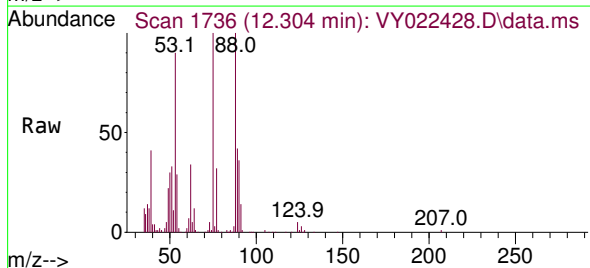
#81
trans-1,4-Dichloro-2-butene
Concen: 51.064 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 75 Resp: 4008
Ion Ratio Lower Upper
75 100
53 93.6 75.1 112.7
89 44.0 37.4 56.0

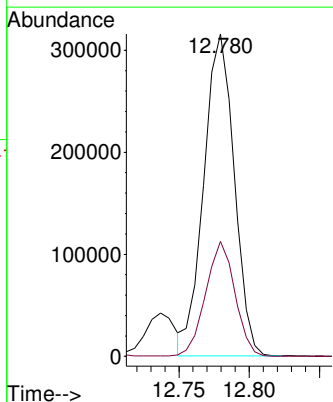
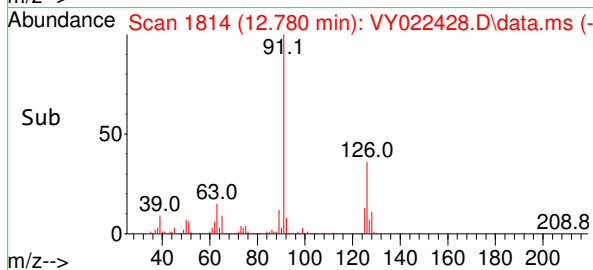
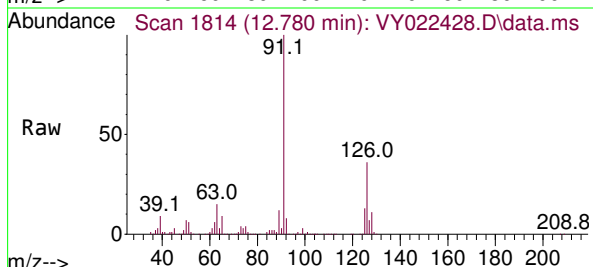
Manual Integrations
APPROVED

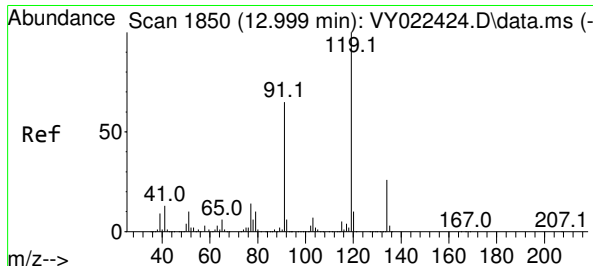
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#82
4-Chlorotoluene
Concen: 50.944 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 91 Resp: 475462
Ion Ratio Lower Upper
91 100
126 34.4 17.2 51.6





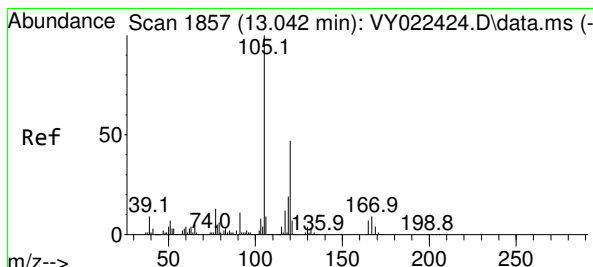
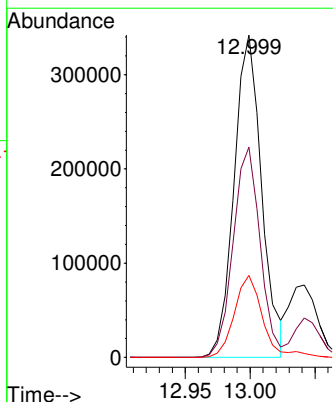
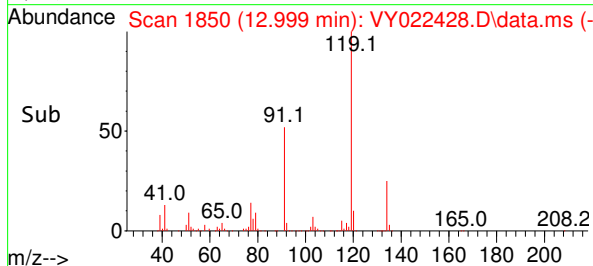
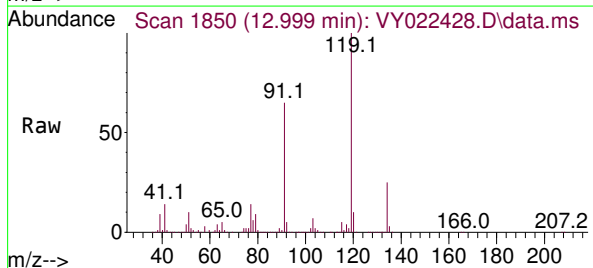
#83
tert-Butylbenzene
Concen: 51.321 ug/l
RT: 12.999 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.8	95.3
134	26.2	13.0	38.9

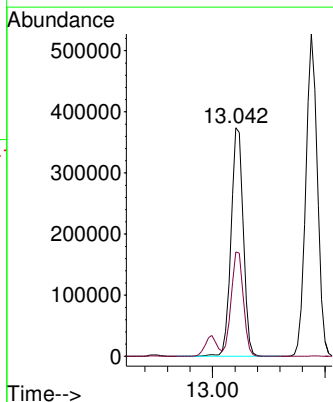
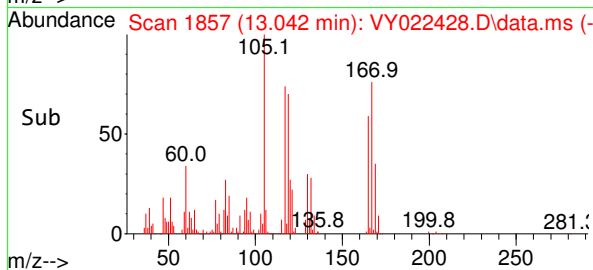
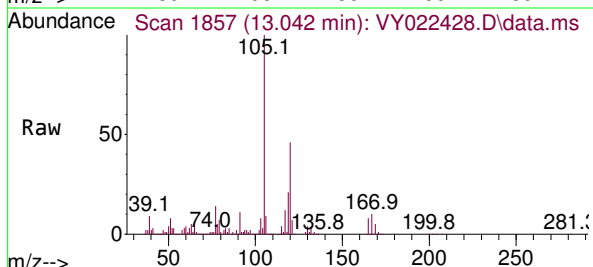
Manual Integrations
APPROVED

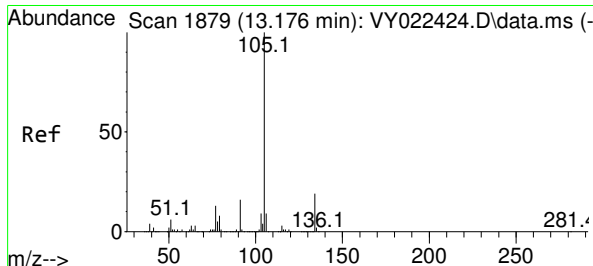
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 51.325 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.5





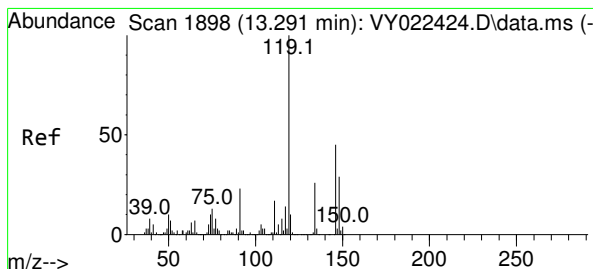
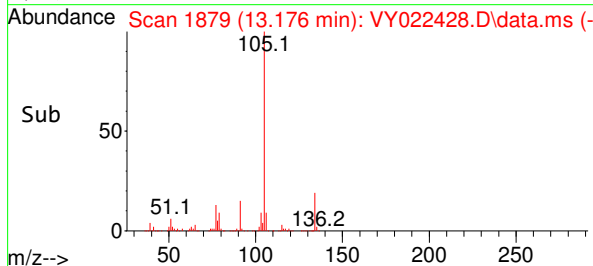
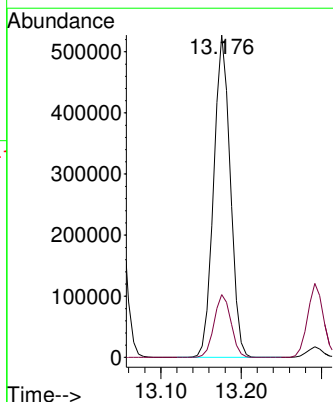
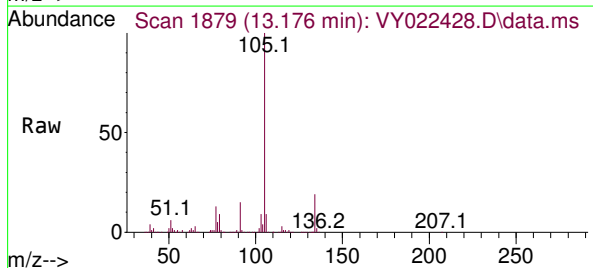
#85
sec-Butylbenzene
Concen: 51.763 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument : MSVOA_Y
ClientSampleId : ICVVY052725

Tgt Ion:105 Resp: 75595
Ion Ratio Lower Upper
105 100
134 19.8 9.7 29.1

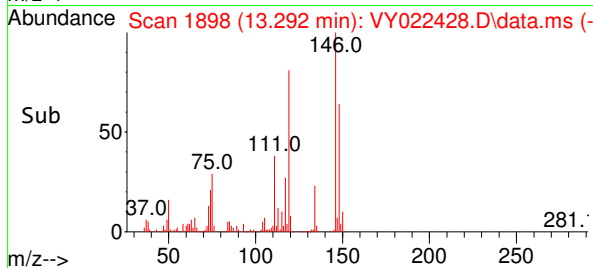
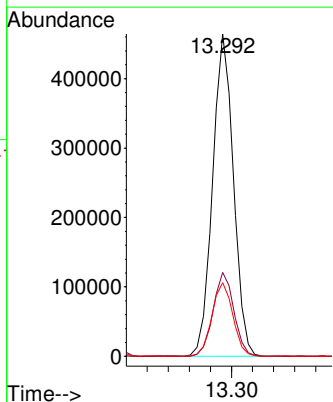
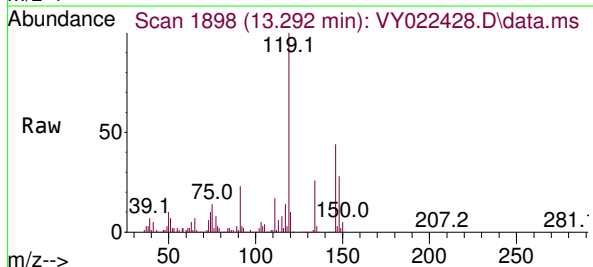
Manual Integrations
APPROVED

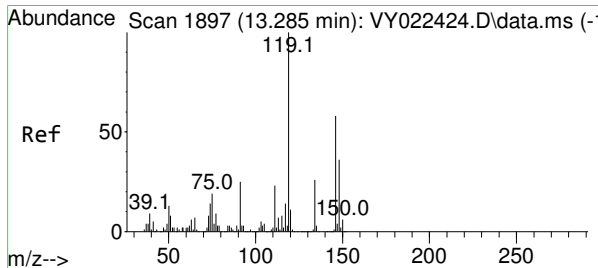
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#86
p-Isopropyltoluene
Concen: 52.334 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:119 Resp: 638231
Ion Ratio Lower Upper
119 100
134 26.0 13.0 39.0
91 22.9 11.6 34.8





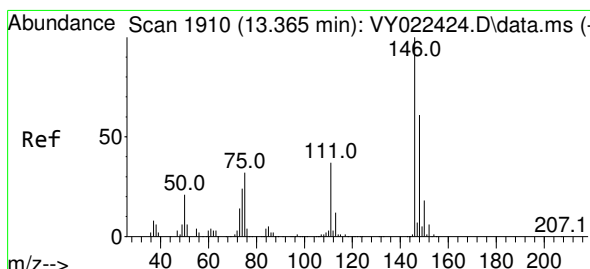
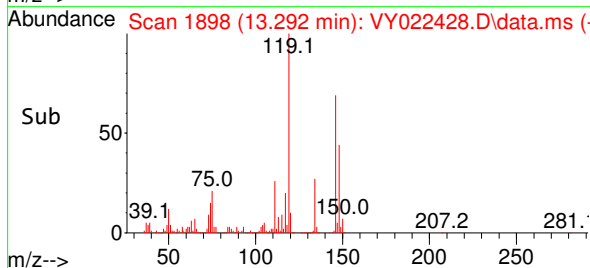
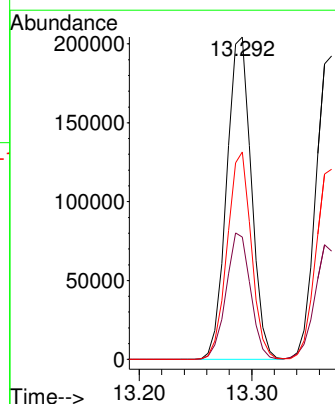
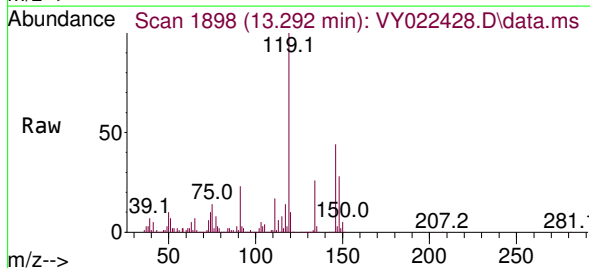
#87
1,3-Dichlorobenzene
Concen: 51.396 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument : MSVOA_Y
ClientSampleId : ICVVY052725

Tgt Ion	146	Resp	31043
Ion Ratio	100		
111	38.7	19.6	58.8
148	62.7	31.7	95.1

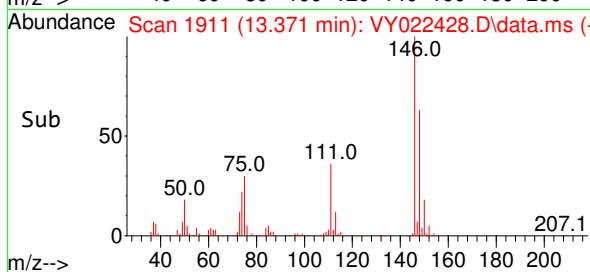
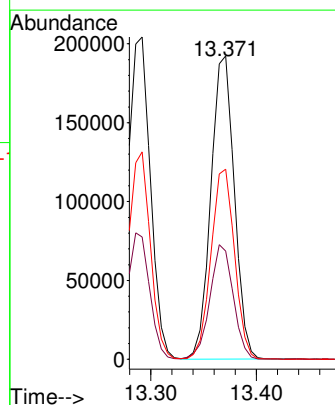
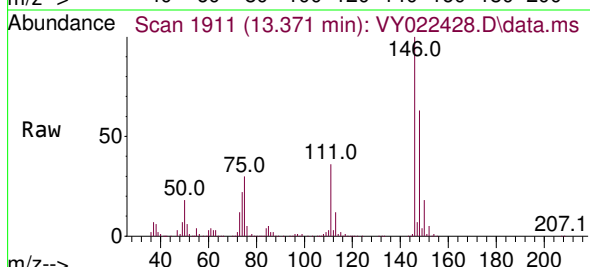
Manual Integrations
APPROVED

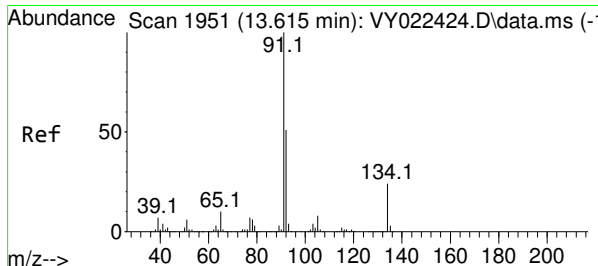
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#88
1,4-Dichlorobenzene
Concen: 51.622 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion	146	Resp	298140
Ion Ratio <td>100</td> <td></td> <td></td>	100		
111	37.6	18.7	56.1
148	63.1	31.4	94.3





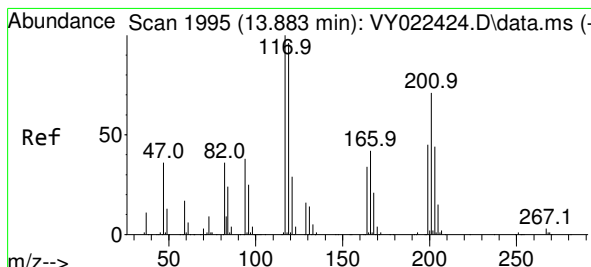
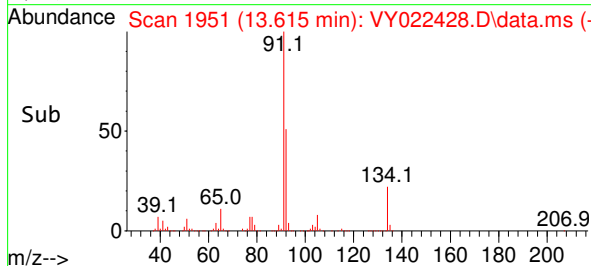
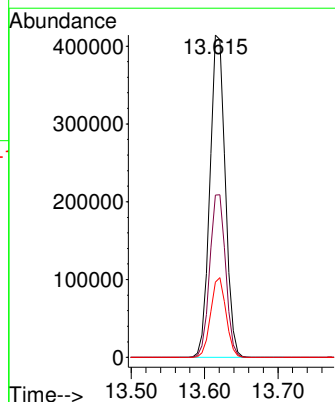
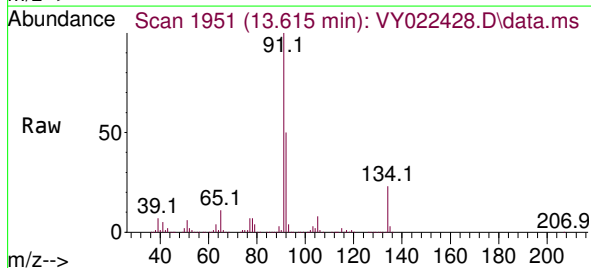
#89
n-Butylbenzene
Concen: 52.600 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725

Tgt Ion:	91	Resp:	60145
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.6
134	24.7	12.4	37.6

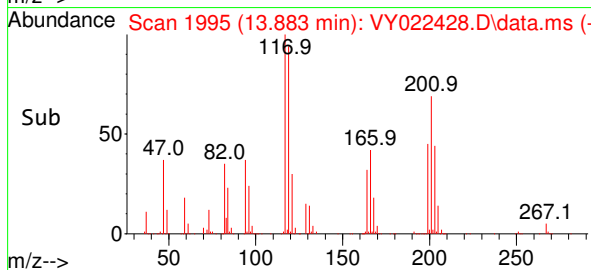
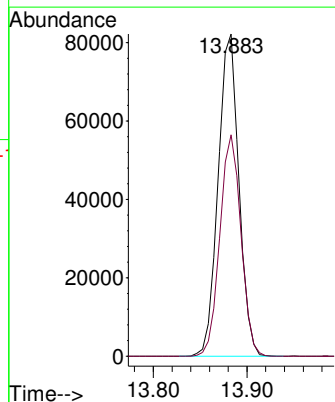
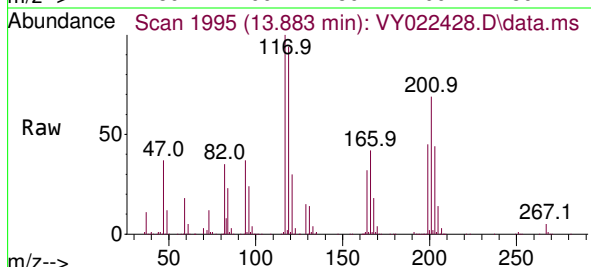
Manual Integrations
APPROVED

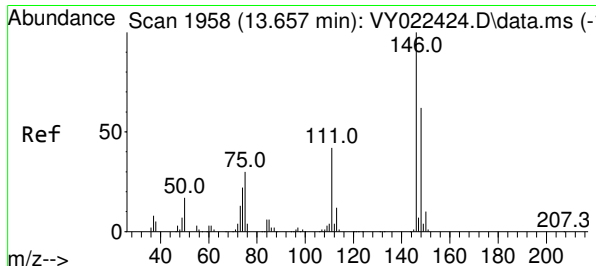
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#90
Hexachloroethane
Concen: 51.881 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

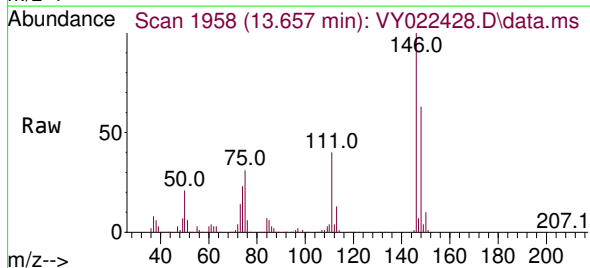
Tgt Ion:	117	Resp:	125908
Ion	Ratio	Lower	Upper
117	100		
201	69.7	35.0	105.0





#91
1,2-Dichlorobenzene
Concen: 50.701 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

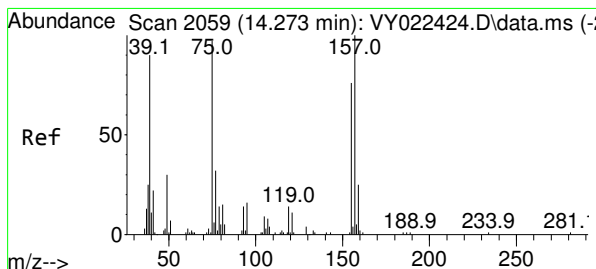
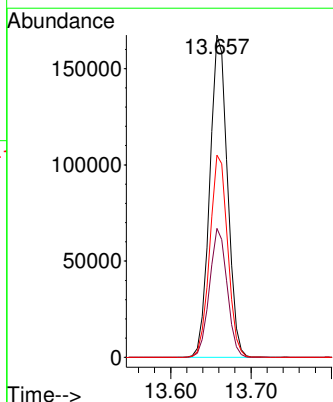
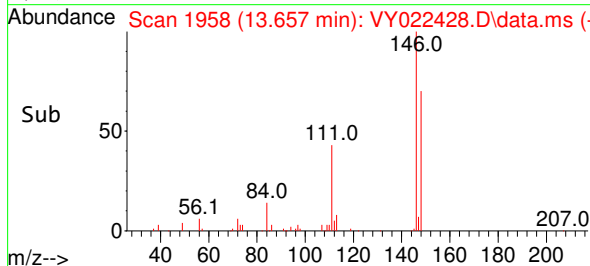
Instrument :
MSVOA_Y
ClientSampleId :
ICVY052725



Tgt Ion: 146 Resp: 25578
Ion Ratio Lower Upper
146 100
111 39.8 20.5 61.6
148 63.5 31.9 95.9

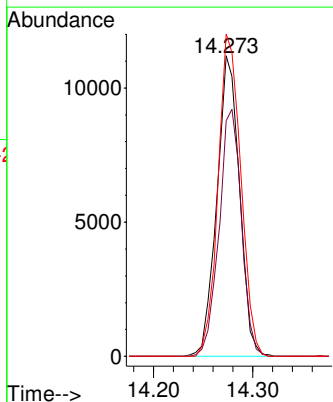
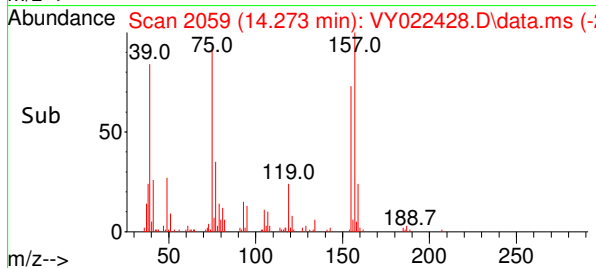
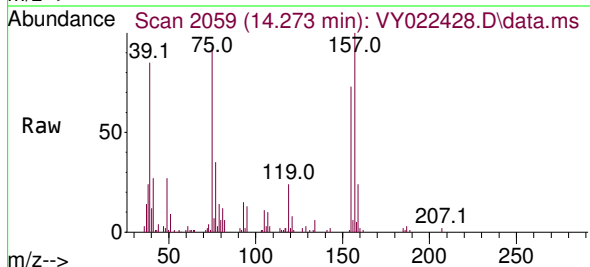
Manual Integrations
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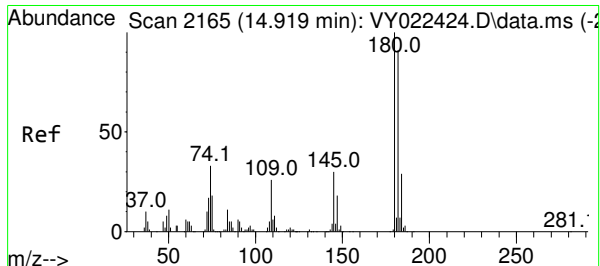
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 52.462 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 75 Resp: 17817
Ion Ratio Lower Upper
75 100
155 81.1 42.3 126.8
157 108.0 54.4 163.3





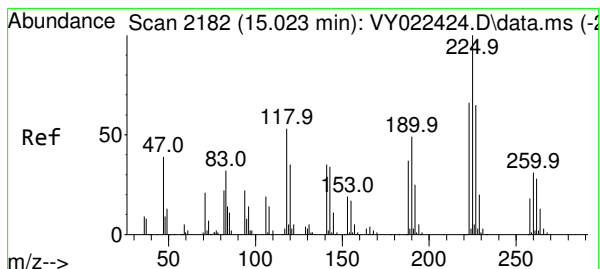
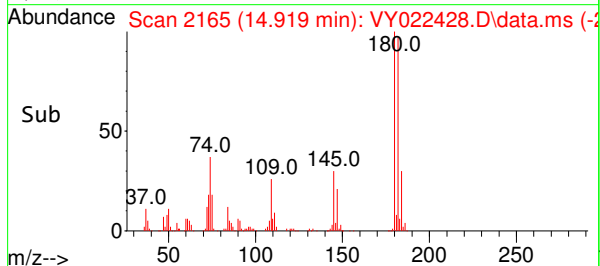
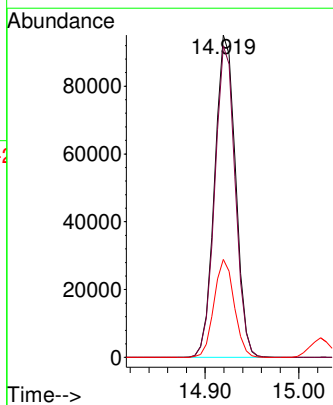
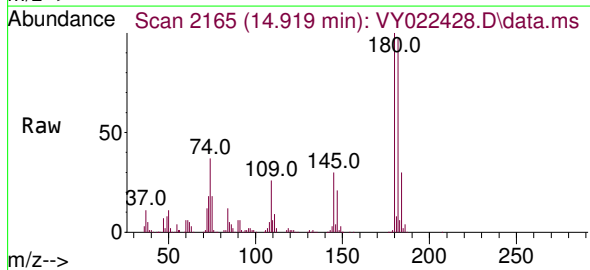
#93
1,2,4-Trichlorobenzene
Concen: 52.407 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.2	138.6
145	29.4	14.2	42.8

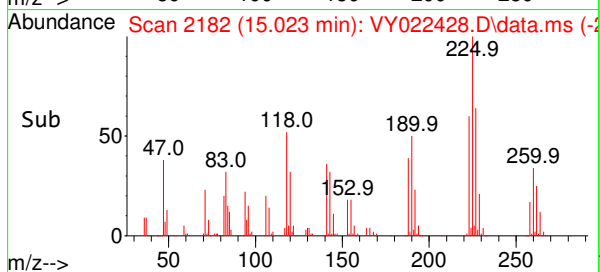
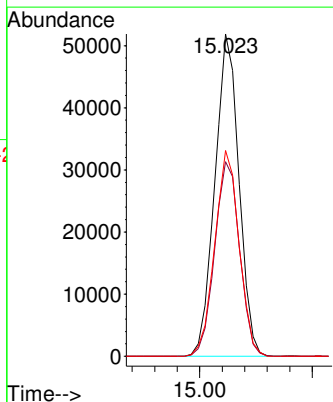
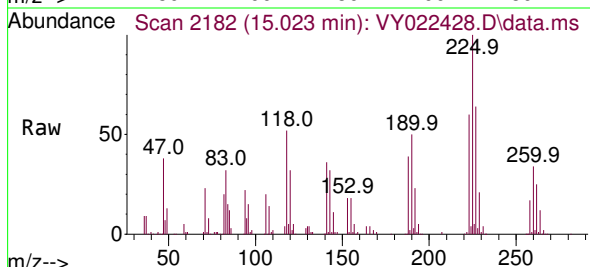
Manual Integrations
APPROVED

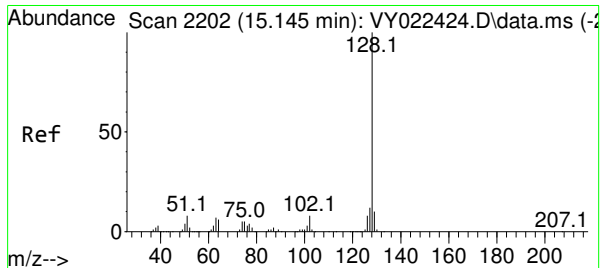
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#94
Hexachlorobutadiene
Concen: 52.335 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.6	97.7
227	64.5	33.0	99.0





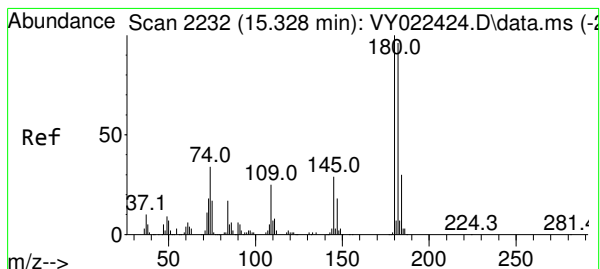
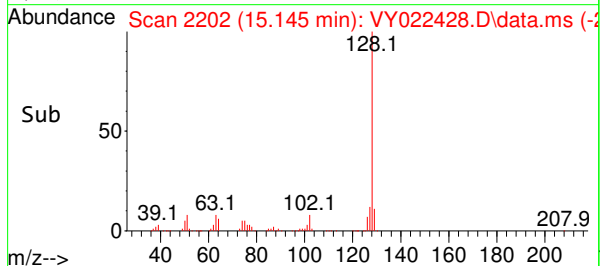
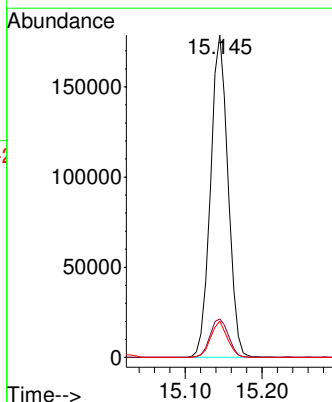
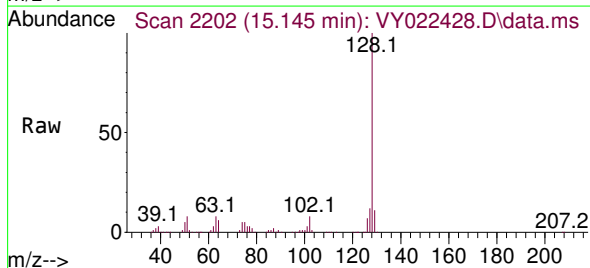
#95
Naphthalene
Concen: 54.826 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.8	8.5	12.7

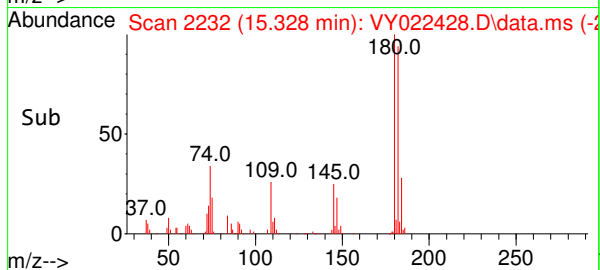
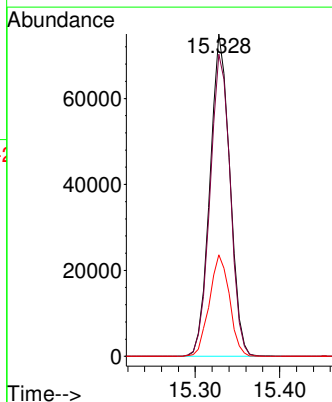
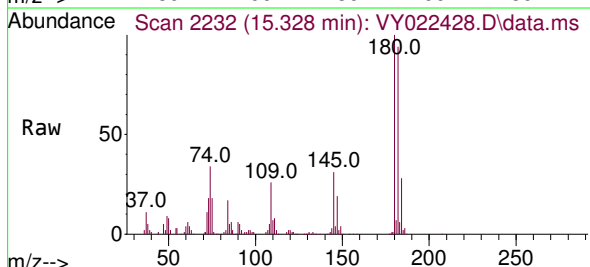
Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.900 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	31.8	14.9	44.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022428.D
 Acq On : 27 May 2025 11:56
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY052725

Quant Time: May 28 10:39:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 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	0.477	0.409	14.3	97	0.00
3 P	Chloromethane	1.173	1.356	-15.6	114	0.00
4 C	Vinyl Chloride	1.425	1.492	-4.7#	103	0.00
5 T	Bromomethane	1.295	1.493	-15.3	118	0.00
6 T	Chloroethane	0.931	1.075	-15.5	107	0.00
7 T	Trichlorofluoromethane	1.203	1.345	-11.8	113	0.00
8 T	Diethyl Ether	0.277	0.293	-5.8	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.528	0.496	6.1	96	0.00
10 T	Methyl Iodide	0.595	0.581	2.4	91	0.00
11 T	Tert butyl alcohol	0.037	0.043	-16.2	121	0.00
12 CM	1,1-Dichloroethene	0.524	0.509	2.9#	101	0.00
13 T	Acrolein	0.056	0.059	-5.4	106	0.00
14 T	Allyl chloride	0.788	0.815	-3.4	105	0.00
15 T	Acrylonitrile	0.112	0.124	-10.7	112	0.00
16 T	Acetone	0.087	0.100	-14.9	119	0.00
17 T	Carbon Disulfide	1.672	1.666	0.4	102	0.00
18 T	Methyl Acetate	0.324	0.388	-19.8	127	-0.01
19 T	Methyl tert-butyl Ether	1.391	1.486	-6.8	108	0.00
20 T	Methylene Chloride	0.611	0.581	4.9	107	0.00
21 T	trans-1,2-Dichloroethene	0.572	0.588	-2.8	106	0.00
22 T	Diisopropyl ether	1.739	1.789	-2.9	104	0.00
23 T	Vinyl Acetate	0.999	1.049	-5.0	105	0.00
24 P	1,1-Dichloroethane	1.028	1.068	-3.9	105	0.00
25 T	2-Butanone	0.144	0.164	-13.9	117	-0.01
26 T	2,2-Dichloropropane	0.931	0.941	-1.1	103	0.00
27 T	cis-1,2-Dichloroethene	0.662	0.678	-2.4	105	0.00
28 T	Bromochloromethane	0.429	0.450	-4.9	103	0.00
29 T	Tetrahydrofuran	0.096	0.108	-12.5	114	0.00
30 C	Chloroform	1.013	1.041	-2.8#	102	0.00
31 T	Cyclohexane	1.013	0.903	10.9	97	0.00
32 T	1,1,1-Trichloroethane	0.919	0.924	-0.5	102	0.00
33 S	1,2-Dichloroethane-d4	0.527	0.536	-1.7	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35 S	Dibromofluoromethane	0.293	0.298	-1.7	104	0.00
36 T	1,1-Dichloropropene	0.465	0.467	-0.4	102	0.00
37 T	Ethyl Acetate	0.197	0.216	-9.6	109	0.00
38 T	Carbon Tetrachloride	0.484	0.482	0.4	101	0.00
39 T	Methylcyclohexane	0.618	0.595	3.7	98	0.00
40 TM	Benzene	1.383	1.434	-3.7	104	0.00
41 T	Methacrylonitrile	0.120	0.116	3.3	100	-0.03
42 TM	1,2-Dichloroethane	0.365	0.382	-4.7	104	0.00
43 T	Isopropyl Acetate	0.432	0.469	-8.6	108	0.00
44 TM	Trichloroethene	0.342	0.356	-4.1	105	0.00
45 C	1,2-Dichloropropane	0.325	0.331	-1.8#	103	0.00
46 T	Dibromomethane	0.181	0.191	-5.5	106	0.00
47 T	Bromodichloromethane	0.467	0.483	-3.4	105	0.00
48 T	Methyl methacrylate	0.200	0.225	-12.5	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022428.D
 Acq On : 27 May 2025 11:56
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY052725

Quant Time: May 28 10:39:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 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	107	0.00
50 S	Toluene-d8	1.194	1.215	-1.8	104	0.00
51 T	4-Methyl-2-Pentanone	0.213	0.244	-14.6	113	0.00
52 CM	Toluene	0.864	0.912	-5.6#	106	0.00
53 T	t-1,3-Dichloropropene	0.435	0.470	-8.0	109	0.00
54 T	cis-1,3-Dichloropropene	0.511	0.537	-5.1	107	0.00
55 T	1,1,2-Trichloroethane	0.229	0.244	-6.6	107	0.00
56 T	Ethyl methacrylate	0.329	0.369	-12.2	109	0.00
57 T	1,3-Dichloropropane	0.404	0.426	-5.4	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.164	0.170	-3.7	103	0.00
59 T	2-Hexanone	0.140	0.164	-17.1	114	0.00
60 T	Dibromochloromethane	0.293	0.315	-7.5	105	0.00
61 T	1,2-Dibromoethane	0.210	0.227	-8.1	107	0.00
62 S	4-Bromofluorobenzene	0.361	0.366	-1.4	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64 T	Tetrachloroethene	0.426	0.414	2.8	100	0.00
65 PM	Chlorobenzene	1.066	1.102	-3.4	107	0.00
66 T	1,1,1,2-Tetrachloroethane	0.361	0.370	-2.5	104	0.00
67 C	Ethyl Benzene	1.980	2.018	-1.9#	105	0.00
68 T	m/p-Xylenes	0.751	0.769	-2.4	105	0.00
69 T	o-Xylene	0.705	0.722	-2.4	105	0.00
70 T	Styrene	1.175	1.231	-4.8	106	0.00
71 P	Bromoform	0.189	0.198	-4.8	107	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	3.935	3.940	-0.1	106	0.00
74 T	N-amyl acetate	0.963	1.031	-7.1	107	0.00
75 P	1,1,2,2-Tetrachloroethane	0.620	0.661	-6.6	112	0.00
76 T	1,2,3-Trichloropropane	0.501	0.527	-5.2	111	0.00
77 T	Bromobenzene	0.847	0.855	-0.9	104	0.00
78 T	n-propylbenzene	4.723	4.814	-1.9	106	0.00
79 T	2-Chlorotoluene	2.556	2.572	-0.6	106	0.00
80 T	1,3,5-Trimethylbenzene	3.075	3.159	-2.7	107	0.00
81 T	trans-1,4-Dichloro-2-butene	0.221	0.226	-2.3	109	0.00
82 T	4-Chlorotoluene	2.633	2.683	-1.9	106	0.00
83 T	tert-Butylbenzene	2.778	2.851	-2.6	108	0.00
84 T	1,2,4-Trimethylbenzene	3.094	3.176	-2.7	106	0.00
85 T	sec-Butylbenzene	4.120	4.265	-3.5	107	0.00
86 T	p-Isopropyltoluene	3.440	3.601	-4.7	108	0.00
87 T	1,3-Dichlorobenzene	1.704	1.751	-2.8	107	0.00
88 T	1,4-Dichlorobenzene	1.629	1.682	-3.3	106	0.00
89 T	n-Butylbenzene	3.226	3.393	-5.2	106	0.00
90 T	Hexachloroethane	0.685	0.710	-3.6	107	0.00
91 T	1,2-Dichlorobenzene	1.423	1.443	-1.4	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.096	0.101	-5.2	112	0.00
93 T	1,2,4-Trichlorobenzene	0.789	0.827	-4.8	104	0.00
94 T	Hexachlorobutadiene	0.414	0.433	-4.6	106	0.00
95 T	Naphthalene	1.459	1.599	-9.6	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	0.647	0.698	-7.9	106	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022428.D
 Acq On : 27 May 2025 11:56
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY052725

Quant Time: May 28 10:39:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 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	42.867	14.3	97	0.00
3 P	Chloromethane	50.000	57.762	-15.5	114	0.00
4 C	Vinyl Chloride	50.000	52.322	-4.6#	103	0.00
5 T	Bromomethane	50.000	57.634	-15.3	118	0.00
6 T	Chloroethane	50.000	57.677	-15.4	107	0.00
7 T	Trichlorofluoromethane	50.000	55.933	-11.9	113	0.00
8 T	Diethyl Ether	50.000	52.801	-5.6	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.001	6.0	96	0.00
10 T	Methyl Iodide	50.000	48.805	2.4	91	0.00
11 T	Tert butyl alcohol	250.000	286.443	-14.6	121	0.00
12 CM	1,1-Dichloroethene	50.000	48.624	2.8#	101	0.00
13 T	Acrolein	250.000	266.723	-6.7	106	0.00
14 T	Allyl chloride	50.000	51.736	-3.5	105	0.00
15 T	Acrylonitrile	250.000	277.887	-11.2	112	0.00
16 T	Acetone	250.000	290.164	-16.1	119	0.00
17 T	Carbon Disulfide	50.000	49.820	0.4	102	0.00
18 T	Methyl Acetate	50.000	59.833	-19.7	127	-0.01
19 T	Methyl tert-butyl Ether	50.000	53.423	-6.8	108	0.00
20 T	Methylene Chloride	50.000	47.566	4.9	107	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.401	-2.8	106	0.00
22 T	Diisopropyl ether	50.000	51.423	-2.8	104	0.00
23 T	Vinyl Acetate	250.000	262.697	-5.1	105	0.00
24 P	1,1-Dichloroethane	50.000	51.958	-3.9	105	0.00
25 T	2-Butanone	250.000	285.123	-14.0	117	-0.01
26 T	2,2-Dichloropropane	50.000	50.556	-1.1	103	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.208	-2.4	105	0.00
28 T	Bromochloromethane	50.000	52.427	-4.9	103	0.00
29 T	Tetrahydrofuran	250.000	280.691	-12.3	114	0.00
30 C	Chloroform	50.000	51.416	-2.8#	102	0.00
31 T	Cyclohexane	50.000	44.566	10.9	97	0.00
32 T	1,1,1-Trichloroethane	50.000	50.290	-0.6	102	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.905	-1.8	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35 S	Dibromofluoromethane	50.000	50.924	-1.8	104	0.00
36 T	1,1-Dichloropropene	50.000	50.295	-0.6	102	0.00
37 T	Ethyl Acetate	50.000	54.775	-9.5	109	0.00
38 T	Carbon Tetrachloride	50.000	49.782	0.4	101	0.00
39 T	Methylcyclohexane	50.000	48.189	3.6	98	0.00
40 TM	Benzene	50.000	51.876	-3.8	104	0.00
41 T	Methacrylonitrile	50.000	48.279	3.4	100	-0.03
42 TM	1,2-Dichloroethane	50.000	52.242	-4.5	104	0.00
43 T	Isopropyl Acetate	50.000	54.305	-8.6	108	0.00
44 TM	Trichloroethene	50.000	52.041	-4.1	105	0.00
45 C	1,2-Dichloropropane	50.000	50.975	-2.0#	103	0.00
46 T	Dibromomethane	50.000	52.586	-5.2	106	0.00
47 T	Bromodichloromethane	50.000	51.745	-3.5	105	0.00
48 T	Methyl methacrylate	50.000	56.276	-12.6	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022428.D
 Acq On : 27 May 2025 11:56
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY052725

Quant Time: May 28 10:39:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 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	1051.366	-5.1	107	0.00
50 S	Toluene-d8	50.000	50.886	-1.8	104	0.00
51 T	4-Methyl-2-Pentanone	250.000	287.032	-14.8	113	0.00
52 CM	Toluene	50.000	52.832	-5.7#	106	0.00
53 T	t-1,3-Dichloropropene	50.000	54.094	-8.2	109	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.618	-5.2	107	0.00
55 T	1,1,2-Trichloroethane	50.000	53.168	-6.3	107	0.00
56 T	Ethyl methacrylate	50.000	55.994	-12.0	109	0.00
57 T	1,3-Dichloropropane	50.000	52.634	-5.3	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	259.493	-3.8	103	0.00
59 T	2-Hexanone	250.000	292.964	-17.2	114	0.00
60 T	Dibromochloromethane	50.000	53.666	-7.3	105	0.00
61 T	1,2-Dibromoethane	50.000	54.130	-8.3	107	0.00
62 S	4-Bromofluorobenzene	50.000	50.731	-1.5	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64 T	Tetrachloroethene	50.000	48.564	2.9	100	0.00
65 PM	Chlorobenzene	50.000	51.703	-3.4	107	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.219	-2.4	104	0.00
67 C	Ethyl Benzene	50.000	50.971	-1.9#	105	0.00
68 T	m/p-Xylenes	100.000	102.513	-2.5	105	0.00
69 T	o-Xylene	50.000	51.205	-2.4	105	0.00
70 T	Styrene	50.000	52.397	-4.8	106	0.00
71 P	Bromoform	50.000	52.420	-4.8	107	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	50.060	-0.1	106	0.00
74 T	N-ethyl acetate	50.000	53.559	-7.1	107	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	53.303	-6.6	112	0.00
76 T	1,2,3-Trichloropropane	50.000	52.582	-5.2	111	0.00
77 T	Bromobenzene	50.000	50.481	-1.0	104	0.00
78 T	n-propylbenzene	50.000	50.973	-1.9	106	0.00
79 T	2-Chlorotoluene	50.000	50.314	-0.6	106	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.376	-2.8	107	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.064	-2.1	109	0.00
82 T	4-Chlorotoluene	50.000	50.944	-1.9	106	0.00
83 T	tert-Butylbenzene	50.000	51.321	-2.6	108	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.325	-2.7	106	0.00
85 T	sec-Butylbenzene	50.000	51.763	-3.5	107	0.00
86 T	p-Isopropyltoluene	50.000	52.334	-4.7	108	0.00
87 T	1,3-Dichlorobenzene	50.000	51.396	-2.8	107	0.00
88 T	1,4-Dichlorobenzene	50.000	51.622	-3.2	106	0.00
89 T	n-Butylbenzene	50.000	52.600	-5.2	106	0.00
90 T	Hexachloroethane	50.000	51.881	-3.8	107	0.00
91 T	1,2-Dichlorobenzene	50.000	50.701	-1.4	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.462	-4.9	112	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.407	-4.8	104	0.00
94 T	Hexachlorobutadiene	50.000	52.335	-4.7	106	0.00
95 T	Naphthalene	50.000	54.826	-9.7	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	53.900	-7.8	106	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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150
 Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY022491.D			RRF010 = VY022492.D		RRF020 = VY022493.D			
	RRF050 = VY022494.D			RRF100 = VY022495.D		RRF150 = VY022496.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13	
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3	
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8	
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8	
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8	
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5	
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1	
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7	
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6	
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2	
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4	
Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.9	
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7	
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4	
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7	
Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.2	
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6	
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5	
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7	
Bromochloromethane	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.9	
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9	
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4	
Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.9	
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7	
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4	
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7	
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6	
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7	
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1	
Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8	

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150
 Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY022491.D			RRF010 = VY022492.D		RRF020 = VY022493.D			
	RRF050 = VY022494.D			RRF100 = VY022495.D		RRF150 = VY022496.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2	
cis-1,3-Dichloropropene	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7	
1,1,2-Trichloroethane	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7	
2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3	
Dibromochloromethane	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6	
1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.9	
Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7	
Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5	
Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9	
m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9	
o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11	
Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9	
Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7	
Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3	
1,1,2,2-Tetrachloroethane	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3	
1,3-Dichlorobenzene	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3	
1,4-Dichlorobenzene	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3	
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3	
1,2-Dibromo-3-Chloropropane	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.7	
1,2,4-Trichlorobenzene	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.2	
1,2,3-Trichlorobenzene	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.3	
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1	
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2	
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2	
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.6	

* 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 : 82Y060225S.M
 Title : SW846 8260
 Last Update : Tue Jun 03 03:22:04 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY022491.D 10 =VY022492.D 20 =VY022493.D 50 =VY022494.D 100 =VY022495.D 150 =VY022496.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13.03
3) P	Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.28
4) C	Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.82#
5) T	Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.82
6) T	Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.84
7) T	Trichlorofluor...	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.47
8) T	Diethyl Ether	0.258	0.335	0.315	0.291	0.279	0.283	0.293	9.35
9) T	1,1,2-Trichlor...	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.08
10) T	Methyl Iodide	0.456	0.606	0.609	0.644	0.632	0.616	0.594	11.60
11) T	Tert butyl alc...	0.034	0.046	0.045	0.039	0.038	0.038	0.040	11.73
12) CM	1,1-Dichloroet...	0.469	0.577	0.549	0.518	0.510	0.523	0.524	6.96#
13) T	Acrolein	0.056	0.046	0.053	0.048	0.050	0.046	0.050	8.21
14) T	Allyl chloride	0.751	0.911	0.850	0.806	0.804	0.817	0.823	6.51
15) T	Acrylonitrile	0.106	0.138	0.133	0.126	0.122	0.120	0.124	8.94
16) T	Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.55
17) T	Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.17
18) T	Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.94
19) T	Methyl tert-bu...	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.39
20) T	Methylene Chlo...	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.74
21) T	trans-1,2-Dich...	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.39
22) T	Diisopropyl ether	1.616	1.984	1.933	1.818	1.800	1.842	1.832	6.96
23) T	Vinyl Acetate	0.910	1.143	1.145	1.083	1.099	1.126	1.084	8.20
24) P	1,1-Dichloroet...	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7.00
25) T	2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.62
26) T	2,2-Dichloropr...	0.836	1.032	0.972	0.947	0.953	0.982	0.954	6.84
27) T	cis-1,2-Dichlo...	0.592	0.731	0.706	0.682	0.668	0.691	0.678	6.98
28) T	Bromochloromet...	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.86
29) T	Tetrahydrofuran	0.093	0.118	0.114	0.104	0.103	0.101	0.106	8.60
30) C	Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.93#
31) T	Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.22
32) T	1,1,1-Trichlor...	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.36
33) S	1,2-Dichloroet...	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.10
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.22
36) T	1,1-Dichloropr...	0.416	0.512	0.492	0.486	0.490	0.510	0.484	7.30
37) T	Ethyl Acetate	0.181	0.217	0.231	0.229	0.221	0.216	0.216	8.41
38) T	Carbon Tetrach...	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.49
39) T	Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.85
40) TM	Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.67
41) T	Methacrylonitrile	0.119	0.123	0.132	0.125	0.135	0.124	0.126	4.74
42) TM	1,2-Dichloroet...	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.39
43) T	Isopropyl Acetate	0.377	0.497	0.499	0.478	0.475	0.474	0.467	9.72
44) TM	Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.73
45) C	1,2-Dichloropr...	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.61#
46) T	Dibromomethane	0.158	0.199	0.201	0.193	0.192	0.197	0.190	8.46
47) T	Bromodichlorom...	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.71
48) T	Methyl methacr...	0.183	0.220	0.234	0.222	0.226	0.229	0.219	8.29
49) T	1,4-Dioxane	0.002	0.002	0.003	0.002	0.002	0.002	0.002	9.33
50) S	Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.25
51) T	4-Methyl-2-Pen...	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.13
52) CM	Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.76#
53) T	t-1,3-Dichloro...	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.20
54) T	cis-1,3-Dichlo...	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.67
55) T	1,1,2-Trichlor...	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.73
56) T	Ethyl methacry...	0.257	0.357	0.370	0.363	0.373	0.383	0.351	13.32

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y060225S.M

57)	T	1,3-Dichloropr...	0.358	0.462	0.448	0.435	0.434	0.443	0.430	8.57
58)	T	2-Chloroethyl ...	0.137	0.143	0.160	0.159	0.174	0.181	0.159	10.80
59)	T	2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.34
60)	T	Dibromochlorom...	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.61
61)	T	1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.87
62)	S	4-Bromofluorob...	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.62
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.66
65)	PM	Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.54
66)	T	1,1,1,2-Tetrac...	0.291	0.383	0.379	0.379	0.385	0.419	0.373	11.51
67)	C	Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.90#
68)	T	m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.94
69)	T	o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11.05
70)	T	Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.93
71)	P	Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.68
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.26
74)	T	N-amyl acetate	0.754	1.078	1.081	1.072	1.103	1.127	1.036	13.49
75)	P	1,1,2,2-Tetrac...	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.25
76)	T	1,2,3-Trichlor...	0.585	0.610	0.582	0.630	0.511	0.514	0.572	8.62
77)	T	Bromobenzene	0.723	0.924	0.890	0.868	0.867	0.925	0.866	8.63
78)	T	n-propylbenzene	4.424	5.221	4.962	5.067	5.051	5.357	5.014	6.40
79)	T	2-Chlorotoluene	2.378	2.742	2.653	2.676	2.666	2.828	2.657	5.71
80)	T	1,3,5-Trimethy...	2.748	3.317	3.240	3.260	3.275	3.497	3.223	7.77
81)	T	trans-1,4-Dich...	0.203	0.255	0.241	0.234	0.241	0.247	0.237	7.60
82)	T	4-Chlorotoluene	2.386	2.865	2.677	2.775	2.784	2.960	2.741	7.23
83)	T	tert-Butylbenzene	2.444	2.979	2.900	2.899	2.952	3.181	2.893	8.41
84)	T	1,2,4-Trimethy...	2.719	3.307	3.189	3.220	3.304	3.599	3.223	8.89
85)	T	sec-Butylbenzene	3.877	4.652	4.352	4.466	4.488	4.746	4.430	6.89
86)	T	p-Isopropyltol...	3.038	3.638	3.591	3.655	3.824	4.163	3.652	10.04
87)	T	1,3-Dichlorobe...	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.29
88)	T	1,4-Dichlorobe...	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.34
89)	T	n-Butylbenzene	2.956	3.551	3.459	3.534	3.537	3.750	3.464	7.72
90)	T	Hexachloroethane	0.632	0.745	0.712	0.716	0.709	0.751	0.711	6.01
91)	T	1,2-Dichlorobe...	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.35
92)	T	1,2-Dibromo-3-...	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.72
93)	T	1,2,4-Trichlor...	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.20
94)	T	Hexachlorobuta...	0.440	0.480	0.441	0.447	0.441	0.442	0.449	3.46
95)	T	Naphthalene	1.187	1.604	1.614	1.620	1.663	1.670	1.560	11.84
96)	T	1,2,3-Trichlor...	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.33

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022491.D
 Acq On : 02 Jun 2025 11:46
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	201089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	353755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	289394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	10508	4.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.600%#		
35) Dibromofluoromethane	7.646	113	9323	4.477	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.960%#		
50) Toluene-d8	10.109	98	37729	4.482	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.960%#		
62) 4-Bromofluorobenzene	12.408	95	11988	4.697	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.400%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	8717	4.961	ug/l	99
3) Chloromethane	2.068	50	26535	5.119	ug/l	98
4) Vinyl Chloride	2.208	62	27572	4.544	ug/l	98
5) Bromomethane	2.598	94	27457	4.784	ug/l	98
6) Chloroethane	2.739	64	19566	4.710	ug/l	95
7) Trichlorofluoromethane	3.062	101	22825	4.428	ug/l	92
8) Diethyl Ether	3.464	74	5184	4.553	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	10259	4.744	ug/l	97
10) Methyl Iodide	4.007	142	9174	3.956	ug/l #	95
11) Tert butyl alcohol	4.891	59	3374	21.587	ug/l #	88
12) 1,1-Dichloroethene	3.799	96	9440	4.573	ug/l	97
13) Acrolein	3.671	56	5656	29.646	ug/l	95
14) Allyl chloride	4.391	41	15096	4.693	ug/l	98
15) Acrylonitrile	5.080	53	10667	22.026	ug/l	97
16) Acetone	3.885	43	13023	30.108	ug/l #	87
17) Carbon Disulfide	4.110	76	30222	4.586	ug/l	99
18) Methyl Acetate	4.397	43	5630	4.327	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	26276	4.562	ug/l	97
20) Methylene Chloride	4.622	84	17312	7.168	ug/l	89
21) trans-1,2-Dichloroethene	5.116	96	10489	4.549	ug/l	86
22) Diisopropyl ether	6.037	45	32497	4.544	ug/l	95
23) Vinyl Acetate	5.970	43	91478	21.559	ug/l	98
24) 1,1-Dichloroethane	5.921	63	19460	4.603	ug/l	97
25) 2-Butanone	6.909	43	14423	22.605	ug/l	95
26) 2,2-Dichloropropane	6.896	77	16805	4.471	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	11906	4.467	ug/l	98
28) Bromochloromethane	7.250	49	9453	5.175	ug/l	100
29) Tetrahydrofuran	7.274	42	9377	22.781	ug/l	95
30) Chloroform	7.427	83	19302	4.620	ug/l	87
31) Cyclohexane	7.707	56	23482	5.519	ug/l #	90
32) 1,1,1-Trichloroethane	7.628	97	16476	4.413	ug/l	98
36) 1,1-Dichloropropene	7.841	75	14700	4.367	ug/l	99
37) Ethyl Acetate	6.994	43	6409m	4.326	ug/l	
38) Carbon Tetrachloride	7.823	117	14691	4.233	ug/l	95
39) Methylcyclohexane	9.109	83	20076	4.415	ug/l	95
40) Benzene	8.085	78	42926	4.326	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022491.D
 Acq On : 02 Jun 2025 11:46
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/03/2025
 Supervised By : Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	4192	4.394	ug/l #	89
42) 1,2-Dichloroethane	8.164	62	11332	4.198	ug/l	99
43) Isopropyl Acetate	8.207	43	13330	4.117	ug/l	95
44) Trichloroethene	8.872	130	10404	4.292	ug/l	79
45) 1,2-Dichloropropane	9.146	63	9678	4.091	ug/l	100
46) Dibromomethane	9.244	93	5596	4.223	ug/l	95
47) Bromodichloromethane	9.433	83	13448	3.999	ug/l	96
48) Methyl methacrylate	9.225	41	6483	4.374	ug/l	91
49) 1,4-Dioxane	9.231	88	1356m	85.767	ug/l	
51) 4-Methyl-2-Pentanone	10.000	43	30969	19.273	ug/l	98
52) Toluene	10.170	92	25893	4.150	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	12388	3.982	ug/l	91
54) cis-1,3-Dichloropropene	9.859	75	14966	4.103	ug/l	100
55) 1,1,2-Trichloroethane	10.579	97	7318	4.385	ug/l	98
56) Ethyl methacrylate	10.445	69	9092	3.751	ug/l	94
57) 1,3-Dichloropropane	10.719	76	12648	4.255	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	24214	22.409	ug/l	97
59) 2-Hexanone	10.768	43	21243	19.832	ug/l	94
60) Dibromochloromethane	10.914	129	8781	4.152	ug/l	94
61) 1,2-Dibromoethane	11.018	107	6146	3.991	ug/l	100
64) Tetrachloroethene	10.652	164	10863	4.417	ug/l	95
65) Chlorobenzene	11.444	112	27467	4.377	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	8422	3.959	ug/l	94
67) Ethyl Benzene	11.524	91	47883	4.098	ug/l	96
68) m/p-Xylenes	11.627	106	35645	8.060	ug/l	99
69) o-Xylene	11.956	106	16866	4.075	ug/l	95
70) Styrene	11.975	104	26313	3.840	ug/l	99
71) Bromoform	12.133	173	4649	4.159	ug/l #	97
73) Isopropylbenzene	12.255	105	44350	4.307	ug/l	100
74) N-amyl acetate	12.072	43	9632	3.699	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	7289	4.359	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	7478m	4.432	ug/l	
77) Bromobenzene	12.536	156	9241	4.234	ug/l	95
78) n-propylbenzene	12.597	91	56543	4.511	ug/l	98
79) 2-Chlorotoluene	12.682	91	30387	4.591	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	35122	4.362	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	2596	4.411	ug/l	96
82) 4-Chlorotoluene	12.780	91	30501	4.447	ug/l	99
83) tert-Butylbenzene	12.999	119	31232	4.252	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	34752	4.314	ug/l	100
85) sec-Butylbenzene	13.176	105	49546	4.449	ug/l	99
86) p-Isopropyltoluene	13.292	119	38822	4.240	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	19350	4.431	ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	19268	4.529	ug/l	91
89) n-Butylbenzene	13.615	91	37774	4.333	ug/l	100
90) Hexachloroethane	13.883	117	8072	4.506	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	15922	4.244	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	949	3.754	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	8529	4.159	ug/l	95
94) Hexachlorobutadiene	15.023	225	5627	5.024	ug/l	98
95) Naphthalene	15.145	128	15167	3.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	7952	4.563	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

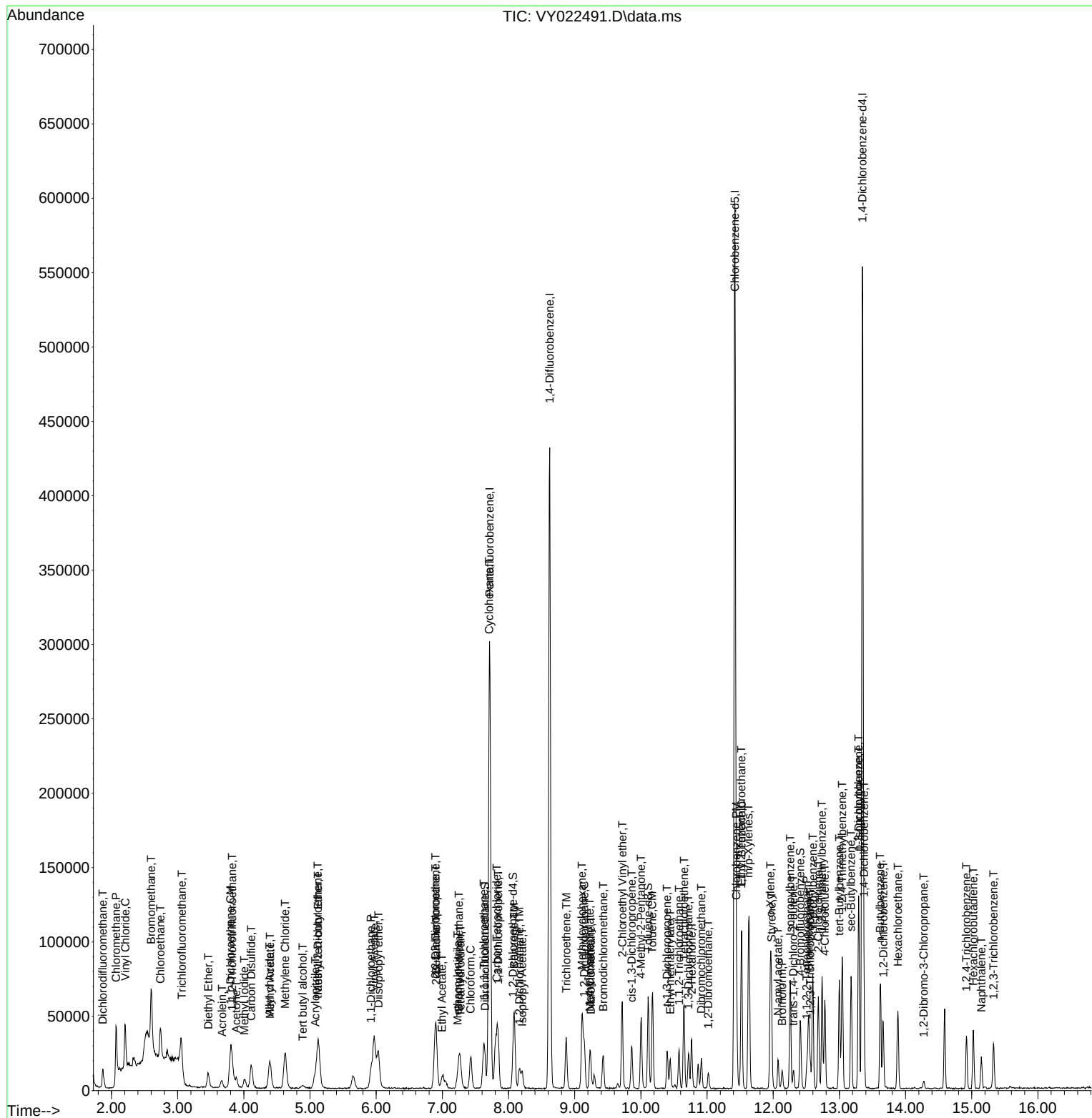
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022491.D
 Acq On : 02 Jun 2025 11:46
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

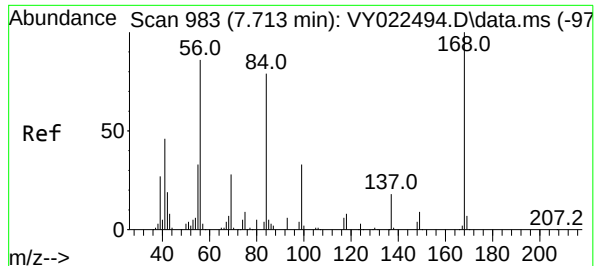
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

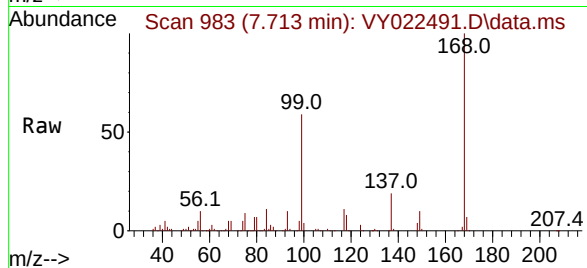
Quant Time: Jun 03 02:52:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

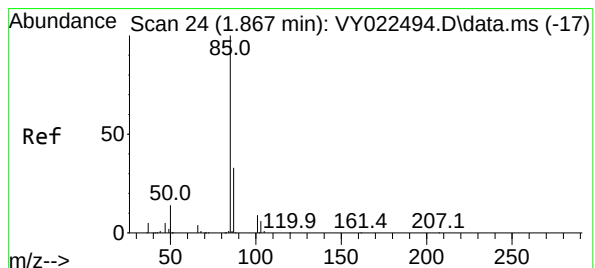
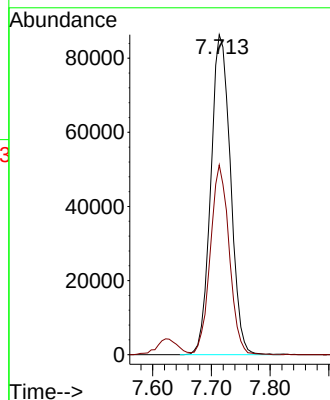
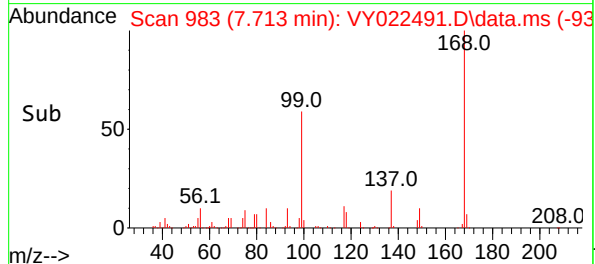
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:168 Resp: 201089
Ion Ratio Lower Upper
168 100
99 59.3 44.3 66.5

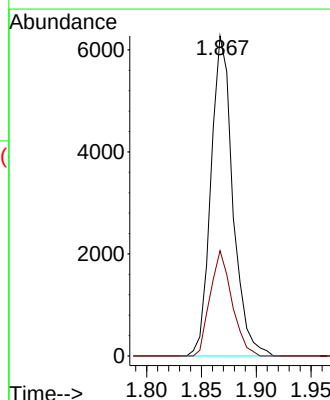
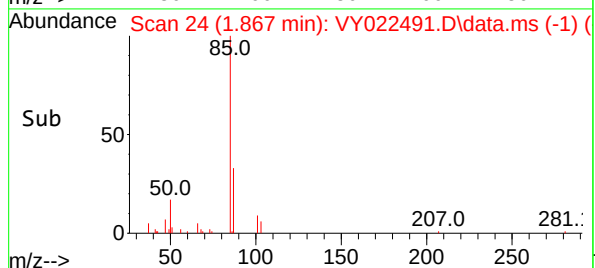
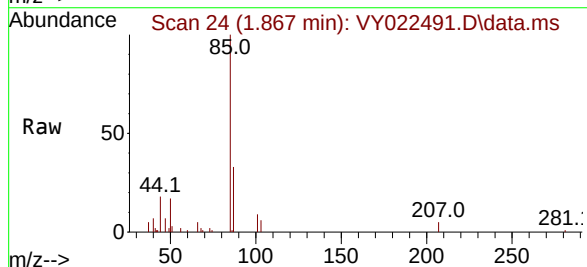
Manual Integrations
APPROVED

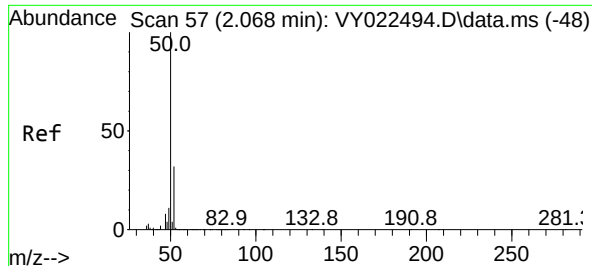
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#2
Dichlorodifluoromethane
Concen: 4.961 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

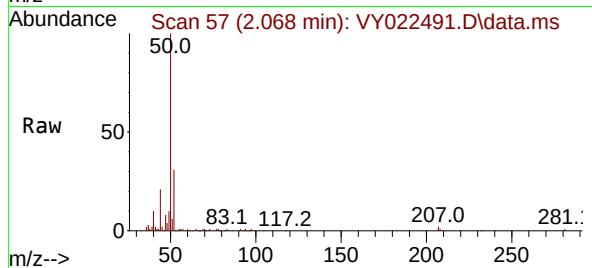
Tgt Ion: 85 Resp: 8717
Ion Ratio Lower Upper
85 100
87 32.9 16.7 50.0





#3
Chloromethane
Concen: 5.119 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

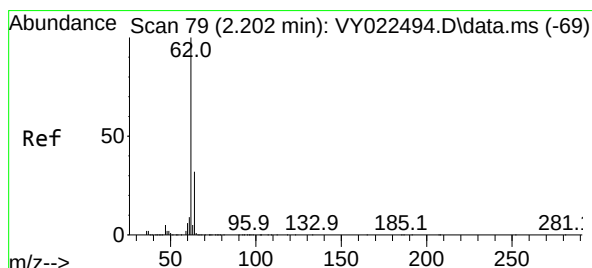
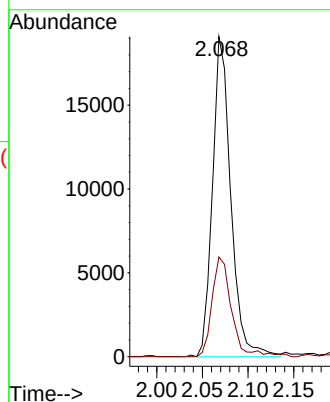
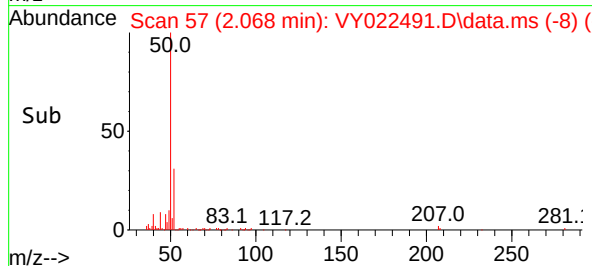
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 50 Resp: 2653
Ion Ratio Lower Upper
50 100
52 31.1 26.0 39.0

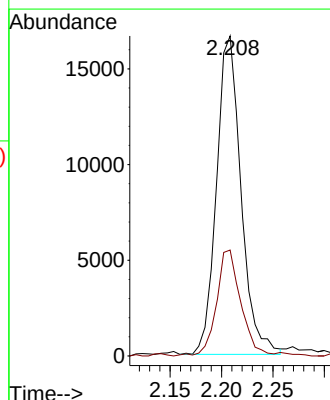
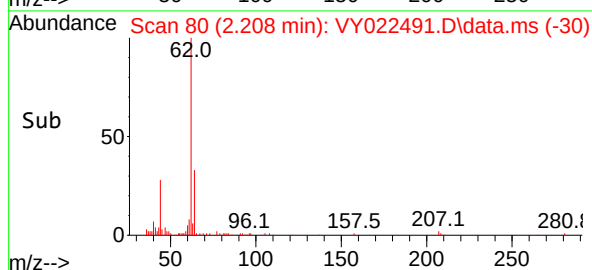
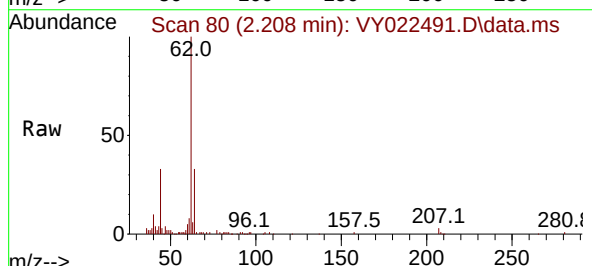
Manual Integrations
APPROVED

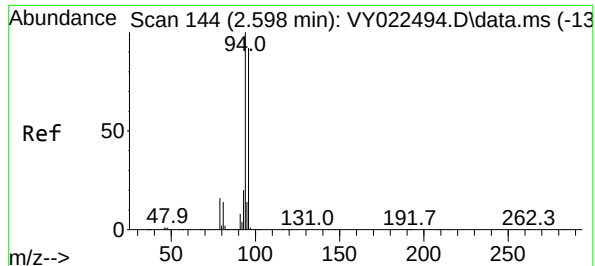
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#4
Vinyl Chloride
Concen: 4.544 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 62 Resp: 27572
Ion Ratio Lower Upper
62 100
64 32.9 25.3 37.9





#5

Bromomethane

Concen: 4.784 ug/l

RT: 2.598 min Scan# 144

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 2745

Ion Ratio Lower Upper

94 100

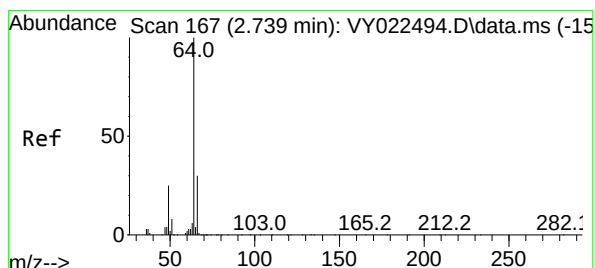
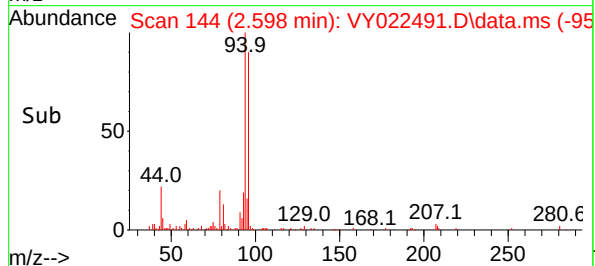
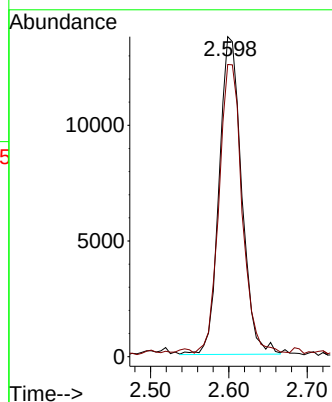
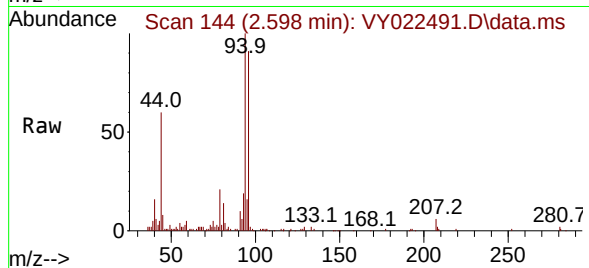
96 90.5 74.0 111.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#6

Chloroethane

Concen: 4.710 ug/l

RT: 2.739 min Scan# 167

Delta R.T. -0.000 min

Lab File: VY022491.D

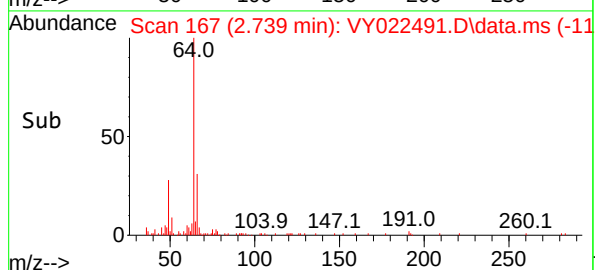
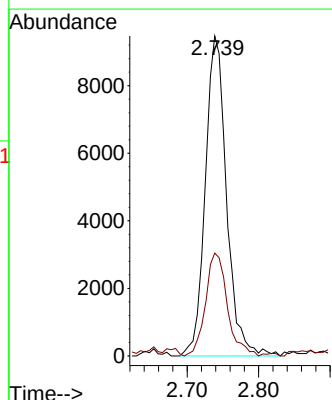
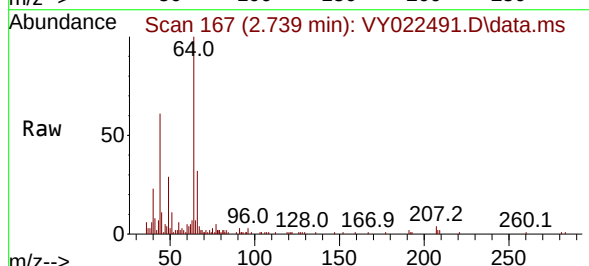
Acq: 02 Jun 2025 11:46

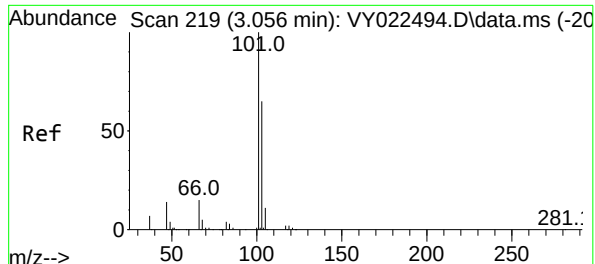
Tgt Ion: 64 Resp: 19566

Ion Ratio Lower Upper

64 100

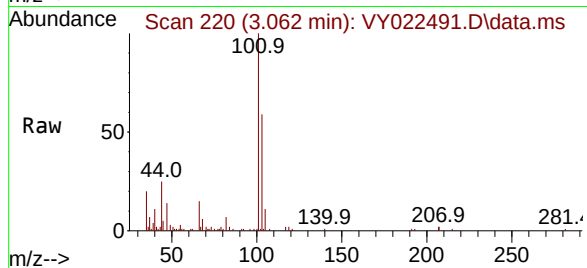
66 32.1 23.8 35.6





#7
Trichlorofluoromethane
Concen: 4.428 ug/l
RT: 3.062 min Scan# 219
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

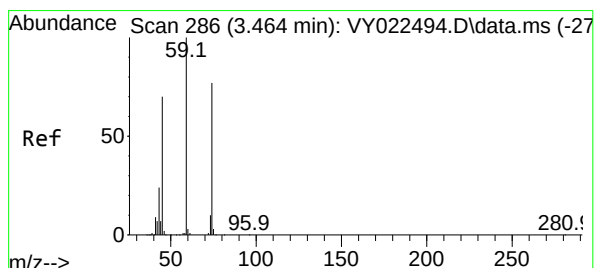
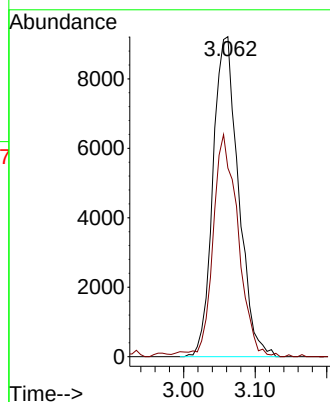
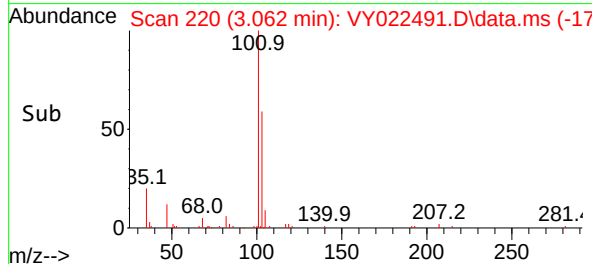
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



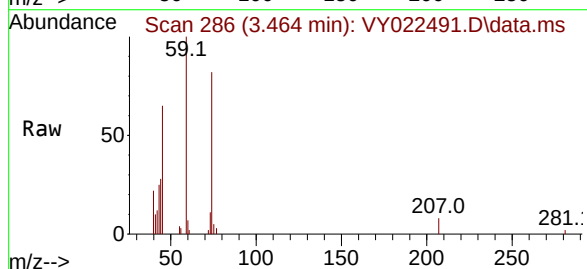
Tgt Ion: 101 Resp: 2282
Ion Ratio Lower Upper
101 100
103 59.0 52.2 78.2

Manual Integrations
APPROVED

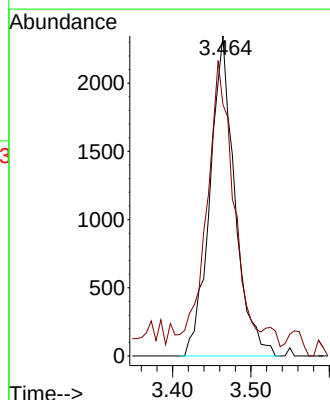
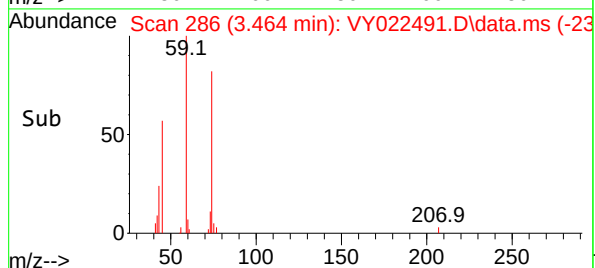
Reviewed By : Semsettin Yesilyurt 06/03/2025
Supervised By : Mahesh Dadoda 06/03/2025

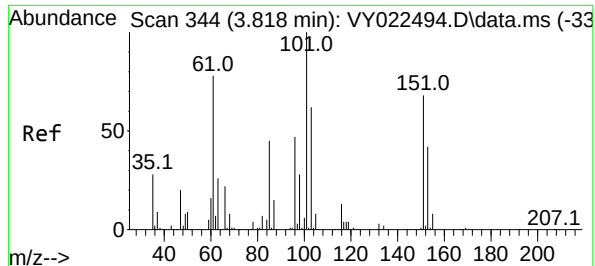


#8
Diethyl Ether
Concen: 4.553 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46



Tgt Ion: 74 Resp: 5184
Ion Ratio Lower Upper
74 100
45 98.9 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.744 ug/l

RT: 3.824 min Scan# 344

Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

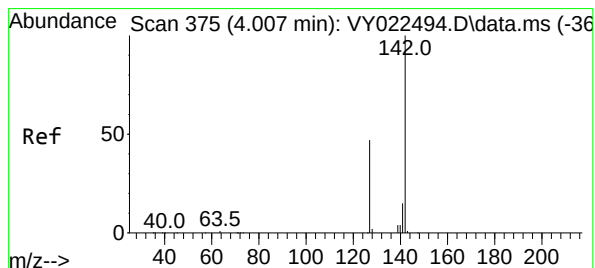
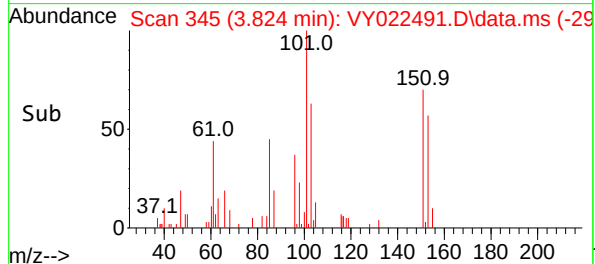
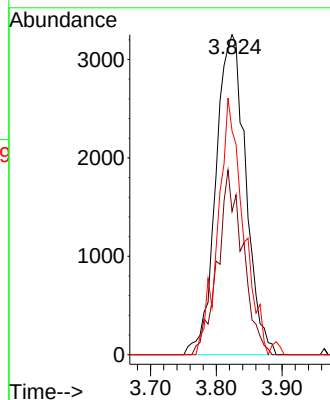
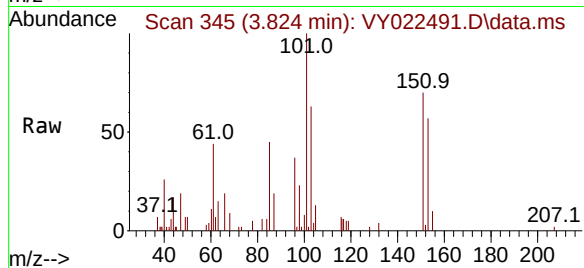
VSTDIC005

Tgt Ion:	101	Resp:	1025
Ion	Ratio	Lower	Upper
101	100		
85	48.8	39.3	58.9
151	67.9	57.8	86.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#10

Methyl Iodide

Concen: 3.956 ug/l

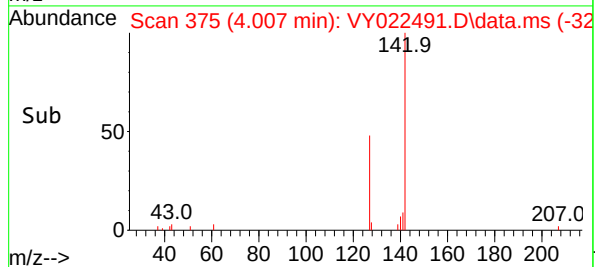
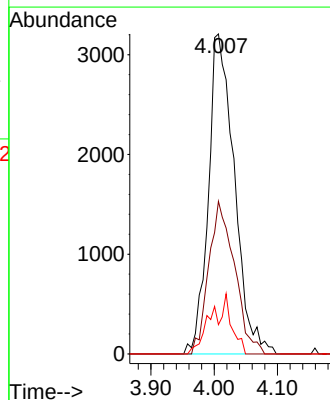
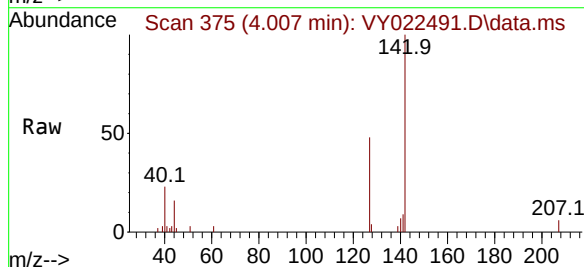
RT: 4.007 min Scan# 375

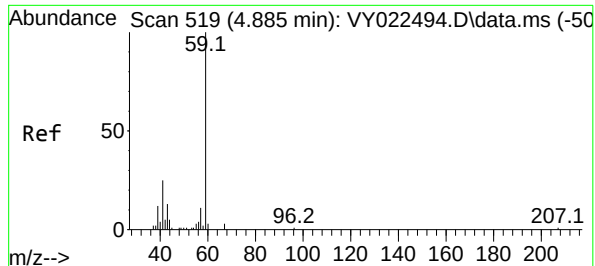
Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Tgt Ion:	142	Resp:	9174
Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	7.8	11.4	17.2





#11

Tert butyl alcohol

Concen: 21.587 ug/l

RT: 4.891 min Scan# 519

Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 3374

Ion Ratio Lower Upper

59 100

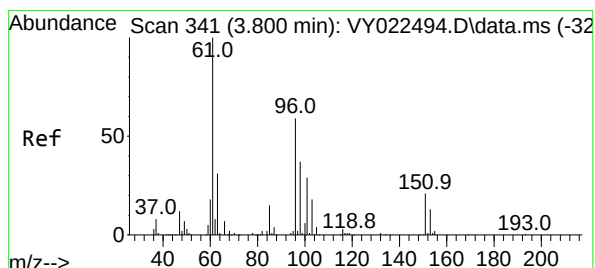
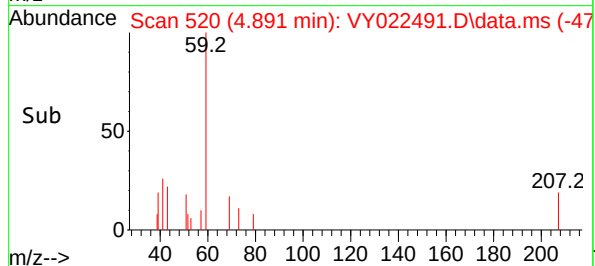
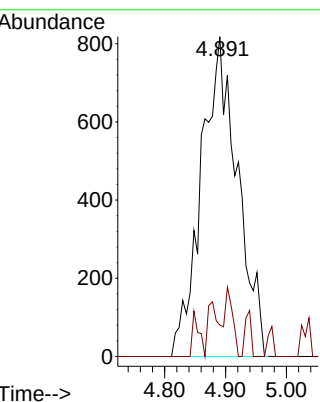
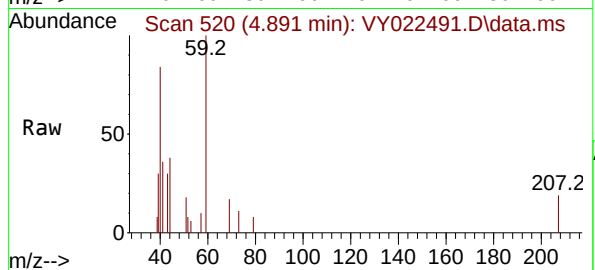
57 5.6 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#12

1,1-Dichloroethene

Concen: 4.573 ug/l

RT: 3.799 min Scan# 341

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

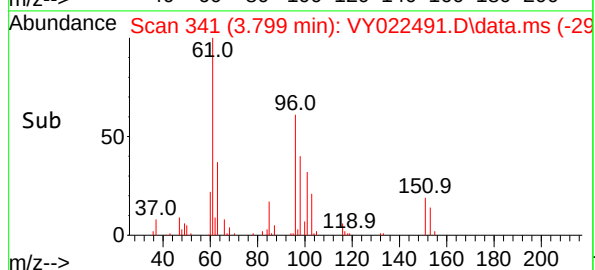
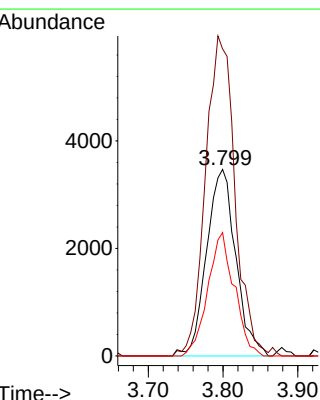
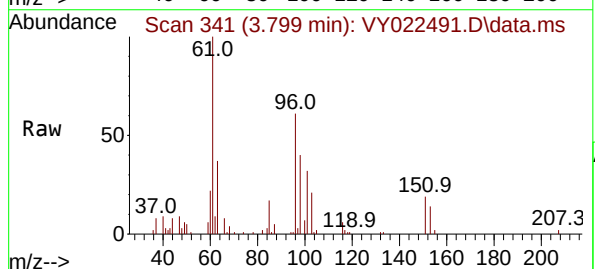
Tgt Ion: 96 Resp: 9440

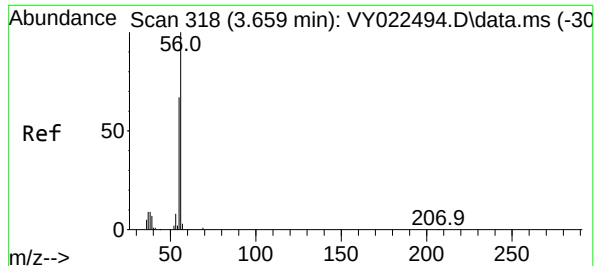
Ion Ratio Lower Upper

96 100

61 164.6 134.6 201.8

98 66.2 50.2 75.4





#13

Acrolein

Concen: 29.646 ug/l

RT: 3.671 min Scan# 318

Delta R.T. 0.012 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Tgt Ion: 56 Resp: 5650

Ion Ratio Lower Upper

56 100

55 75.3 57.0 85.6

Instrument :

MSVOA_Y

ClientSampleId :

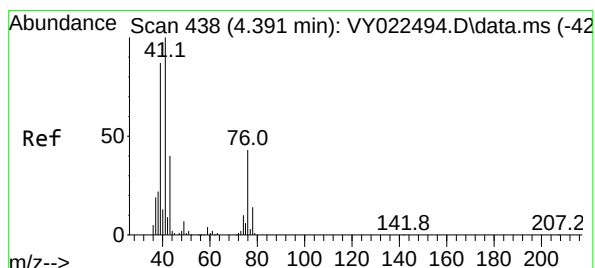
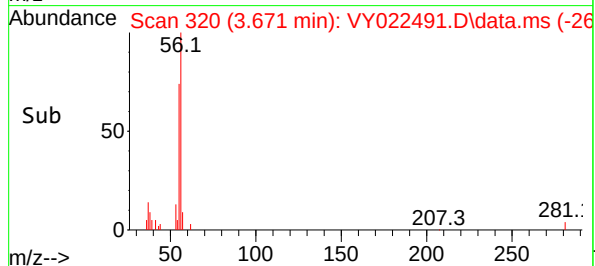
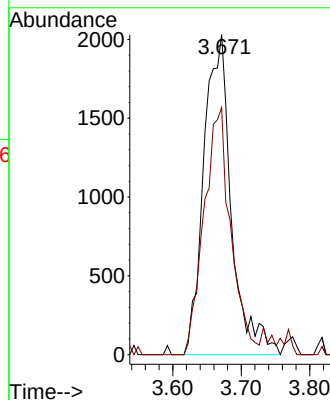
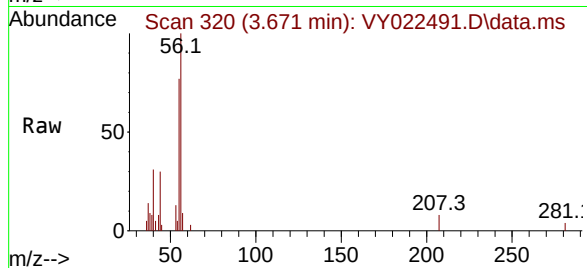
VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#14

Allyl chloride

Concen: 4.693 ug/l

RT: 4.391 min Scan# 438

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

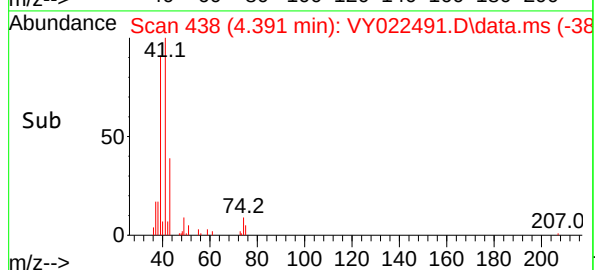
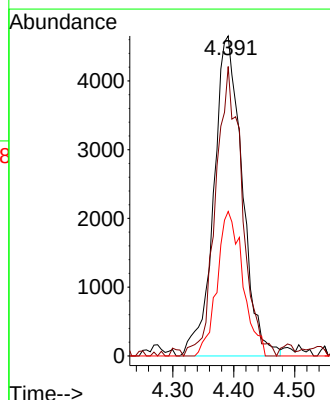
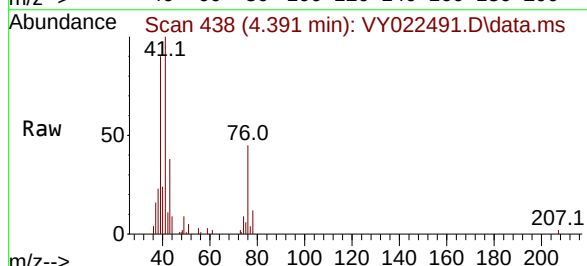
Tgt Ion: 41 Resp: 15096

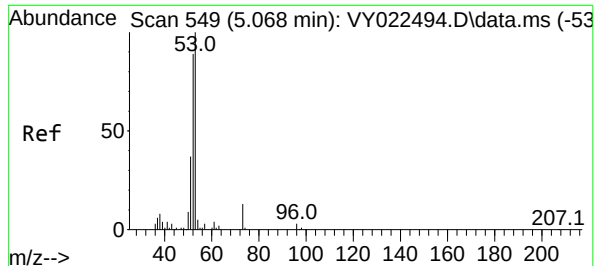
Ion Ratio Lower Upper

41 100

39 84.0 69.1 103.7

76 40.8 33.5 50.3





#15

Acrylonitrile

Concen: 22.026 ug/l

RT: 5.080 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

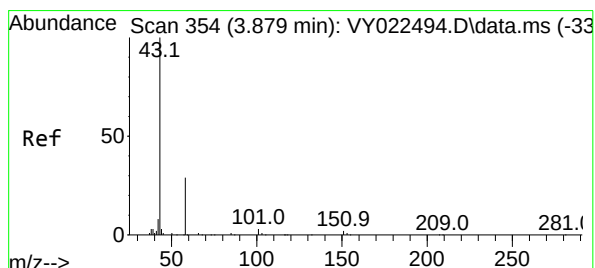
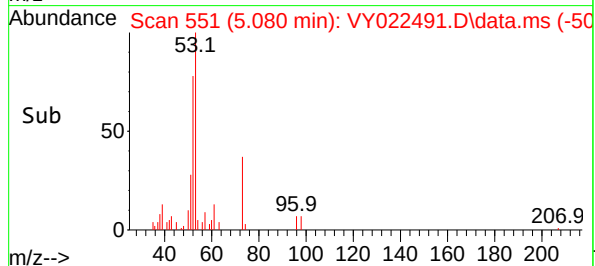
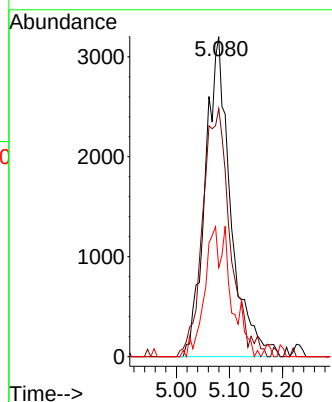
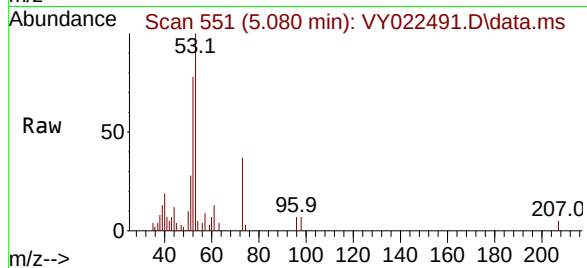
VSTDICC005

Tgt Ion: 53	Resp: 1066
Ion Ratio	Lower Upper
53	100
52	83.8 65.7 98.5
51	41.4 30.1 45.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#16

Acetone

Concen: 30.108 ug/l

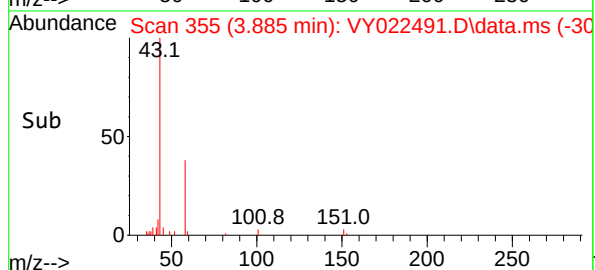
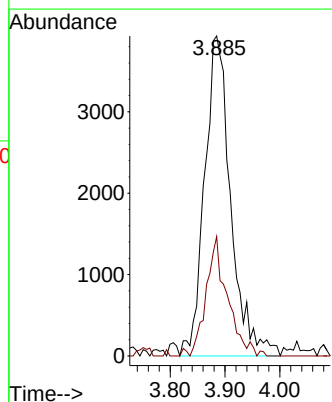
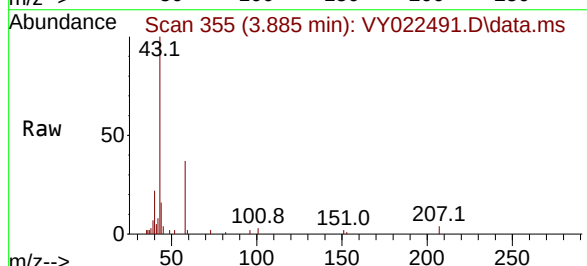
RT: 3.885 min Scan# 355

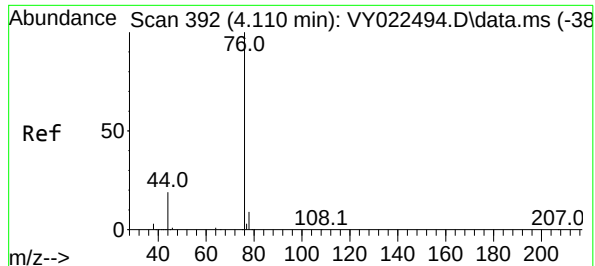
Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Tgt Ion: 43	Resp: 13023
Ion Ratio	Lower Upper
43	100
58	37.3 24.0 36.0#





#17

Carbon Disulfide

Concen: 4.586 ug/l

RT: 4.110 min Scan# 392

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 3022

Ion Ratio Lower Upper

76 100

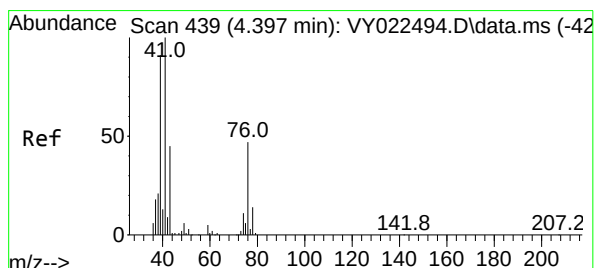
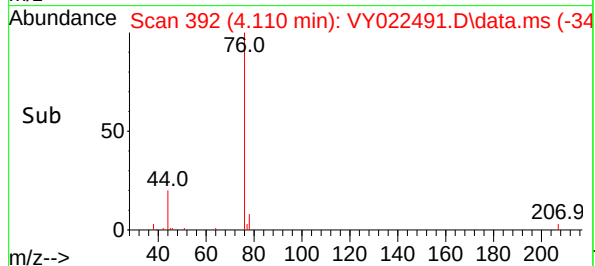
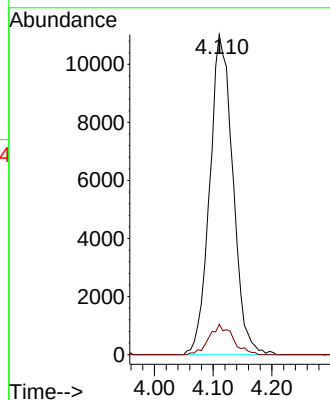
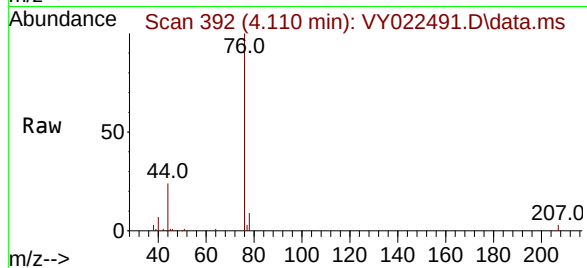
78 9.5 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#18

Methyl Acetate

Concen: 4.327 ug/l

RT: 4.397 min Scan# 439

Delta R.T. -0.000 min

Lab File: VY022491.D

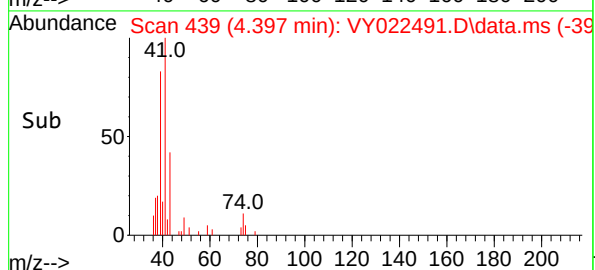
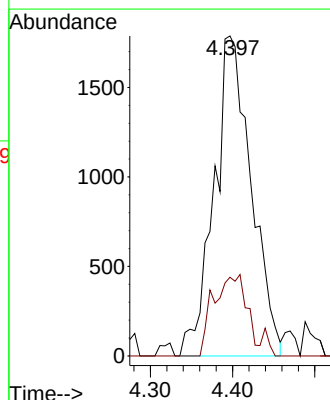
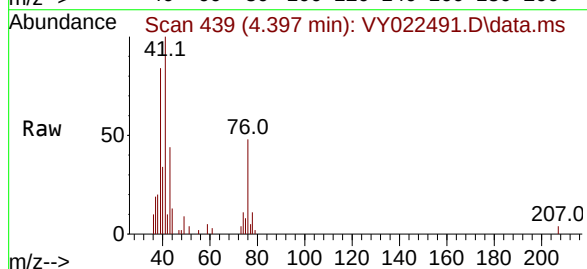
Acq: 02 Jun 2025 11:46

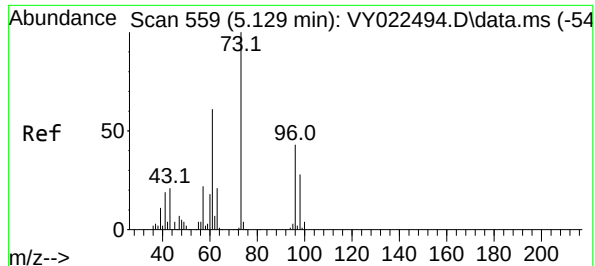
Tgt Ion: 43 Resp: 5630

Ion Ratio Lower Upper

43 100

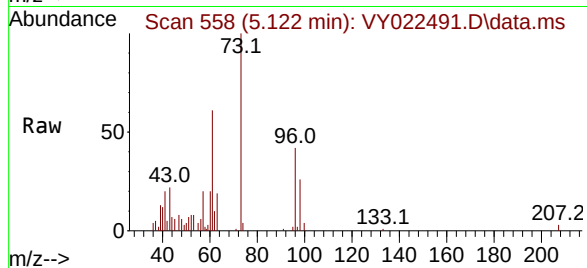
74 22.8 19.8 29.6





#19
Methyl tert-butyl Ether
Concen: 4.562 ug/l
RT: 5.122 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

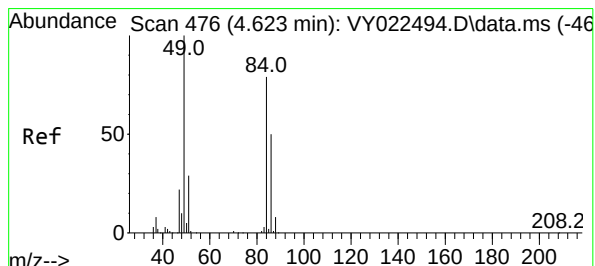
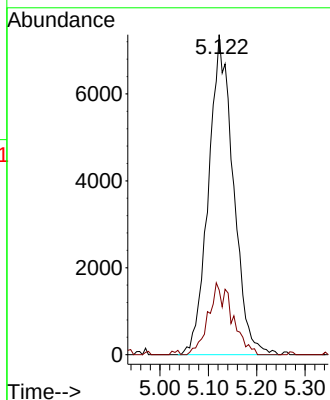
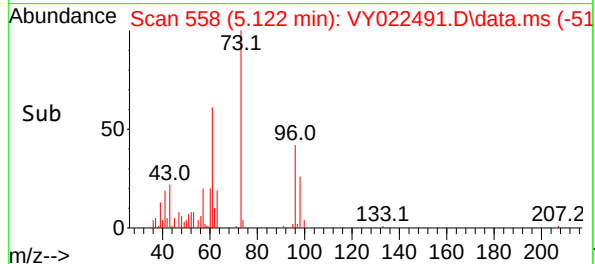
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 73 Resp: 26270
Ion Ratio Lower Upper
73 100
57 20.2 17.4 26.0

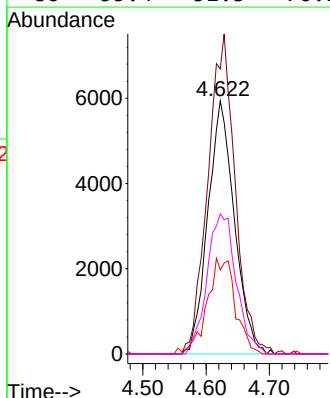
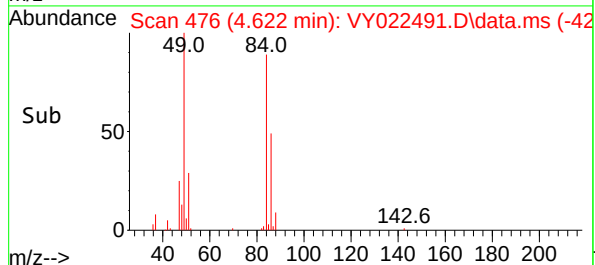
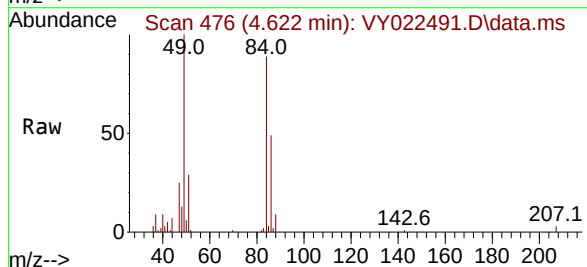
Manual Integrations
APPROVED

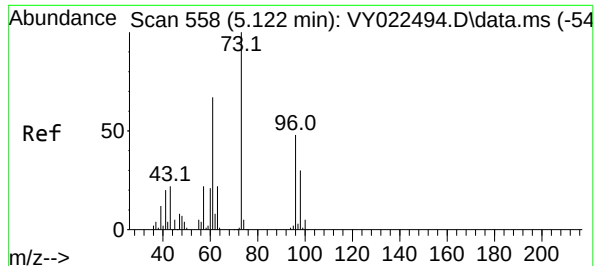
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#20
Methylene Chloride
Concen: 7.168 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 84 Resp: 17312
Ion Ratio Lower Upper
84 100
49 112.6 101.9 152.9
51 33.2 29.8 44.8
86 55.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 4.549 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 10489

Ion Ratio Lower Upper

96 100

61 119.8 112.6 169.0

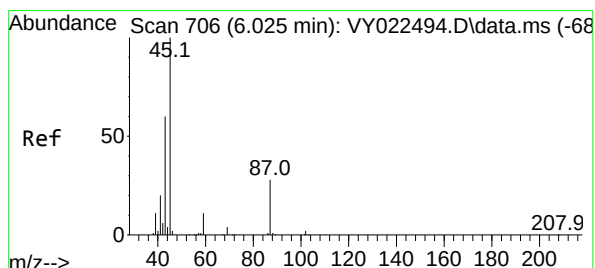
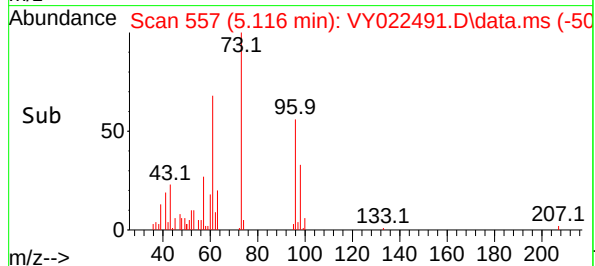
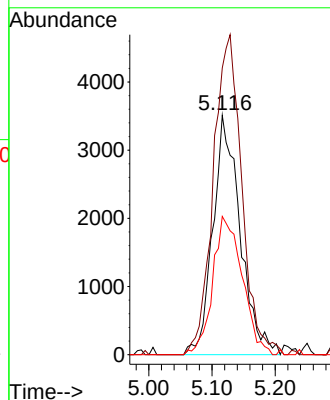
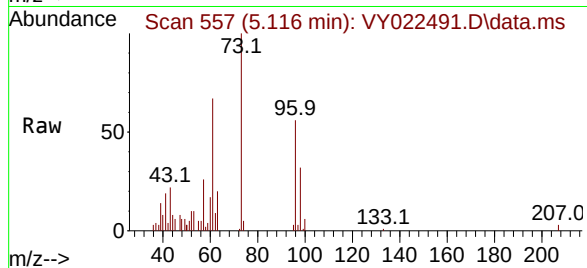
98 57.7 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#22

Diisopropyl ether

Concen: 4.544 ug/l

RT: 6.037 min Scan# 708

Delta R.T. 0.012 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Tgt Ion: 45 Resp: 32497

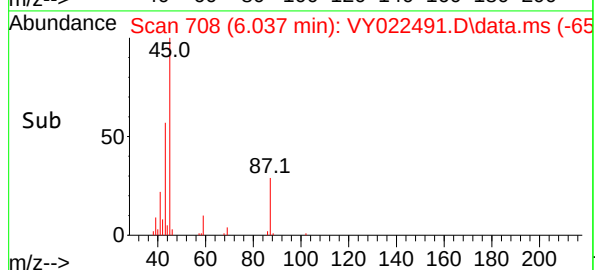
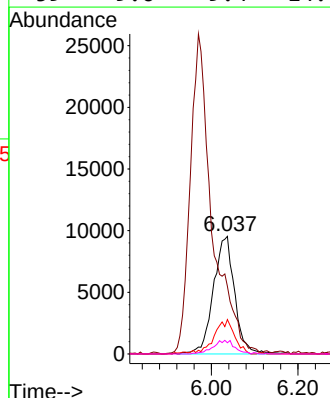
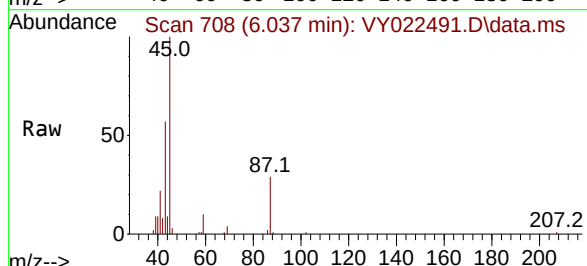
Ion Ratio Lower Upper

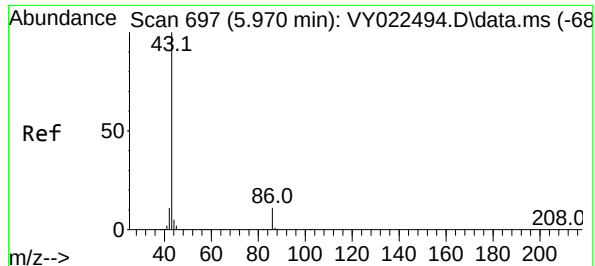
45 100

43 55.1 48.3 72.5

87 29.3 23.0 34.6

59 9.6 9.4 14.0





#23

Vinyl Acetate

Concen: 21.559 ug/l

RT: 5.970 min Scan# 697

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 91478

Ion Ratio Lower Upper

43 100

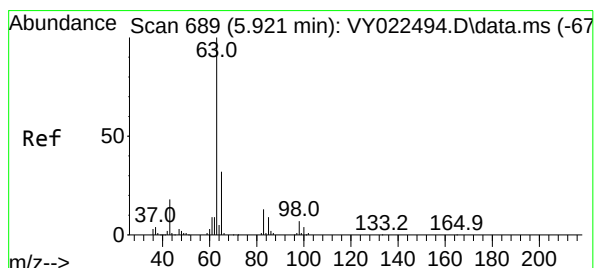
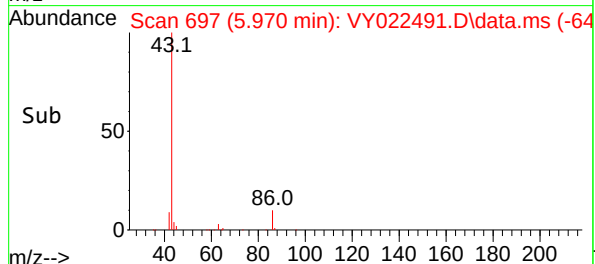
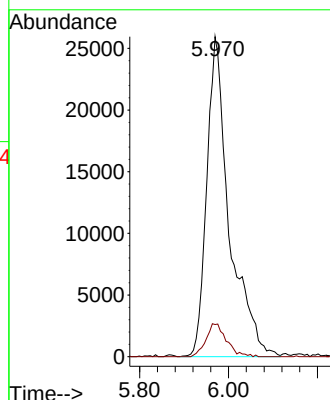
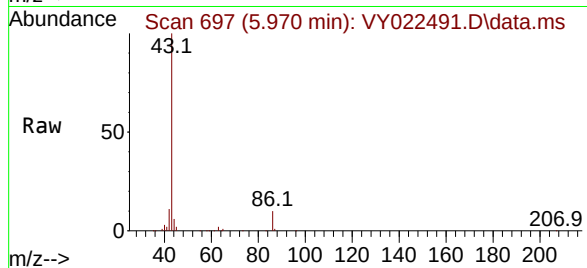
86 10.1 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#24

1,1-Dichloroethane

Concen: 4.603 ug/l

RT: 5.921 min Scan# 689

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

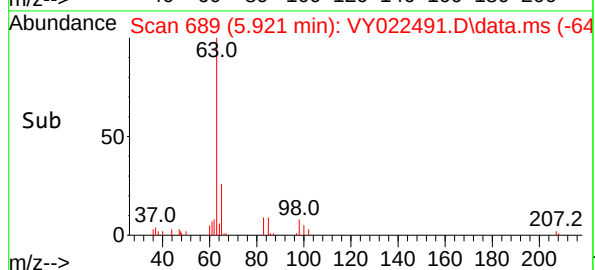
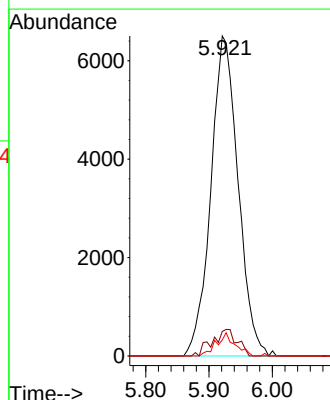
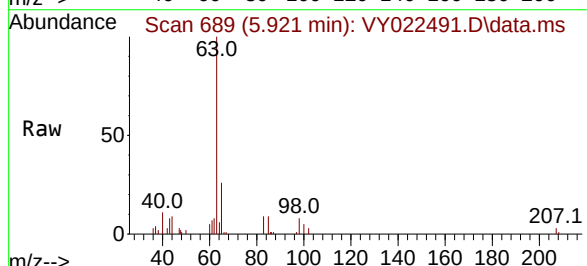
Tgt Ion: 63 Resp: 19460

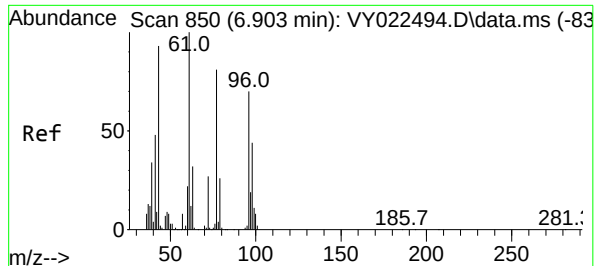
Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.1

100 5.0 2.1 6.3





#25

2-Butanone

Concen: 22.605 ug/l

RT: 6.909 min Scan# 851

Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 1442

Ion Ratio Lower Upper

43 100

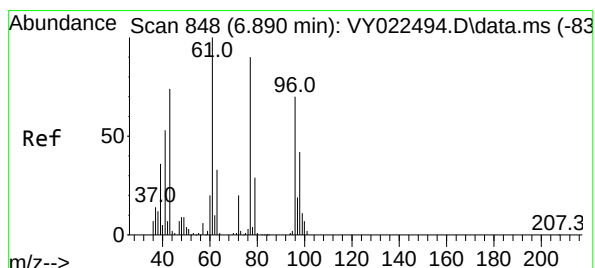
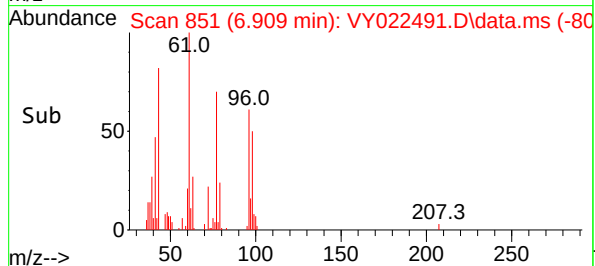
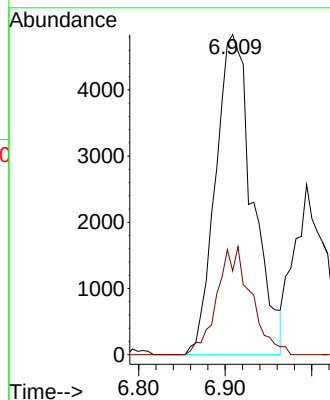
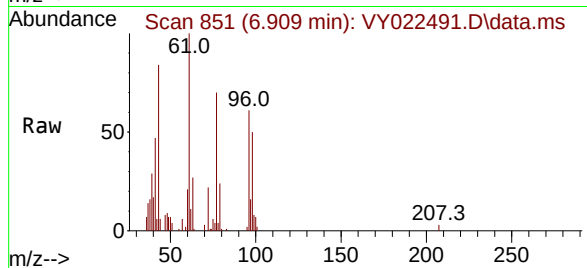
72 26.2 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#26

2,2-Dichloropropane

Concen: 4.471 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY022491.D

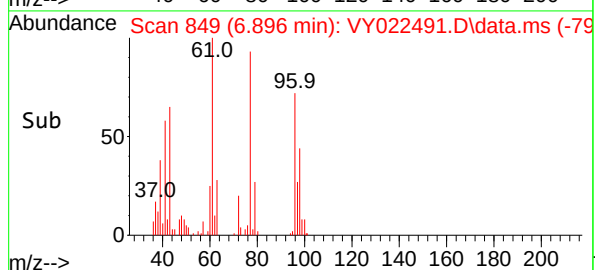
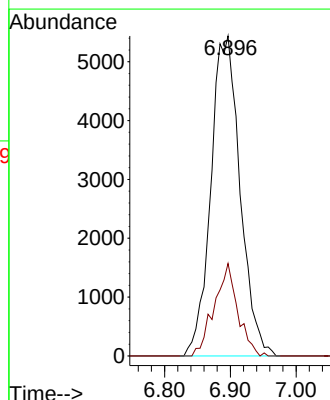
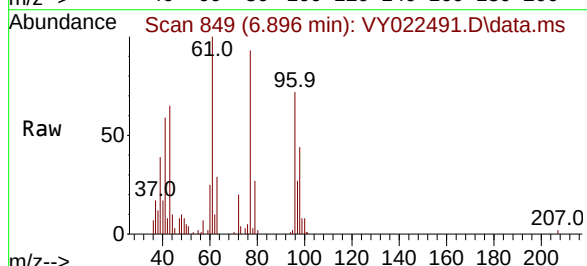
Acq: 02 Jun 2025 11:46

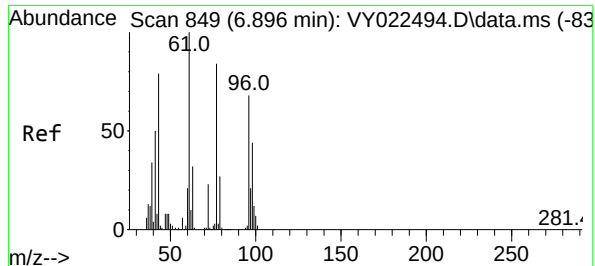
Tgt Ion: 77 Resp: 16805

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 4.467 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

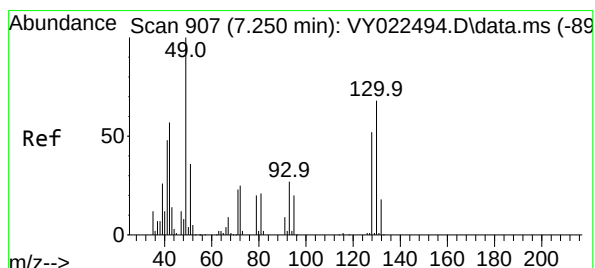
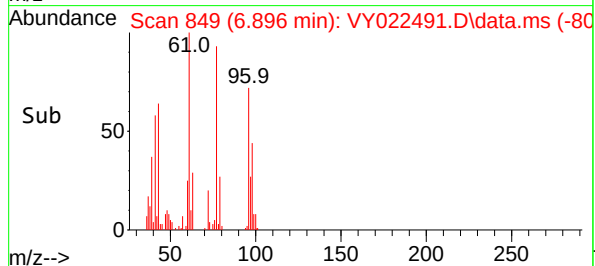
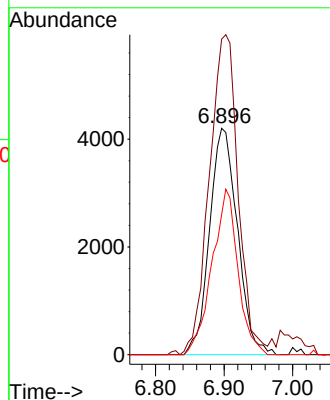
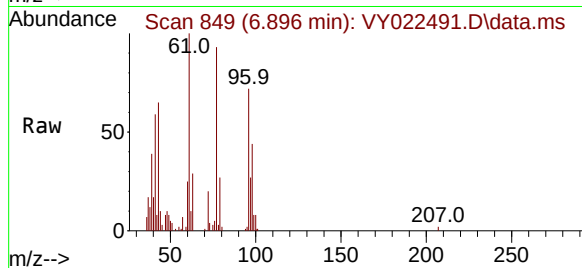
VSTDIC005

Tgt Ion: 96	Resp: 11900
Ion Ratio	Lower Upper
96 100	
61 146.0	0.0 290.0
98 67.8	0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#28

Bromochloromethane

Concen: 5.175 ug/l

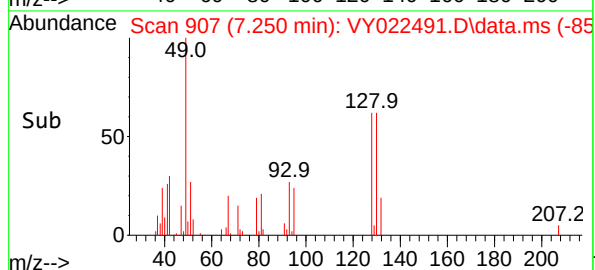
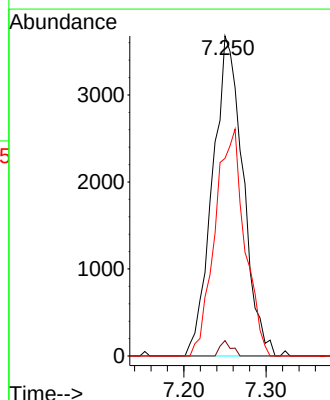
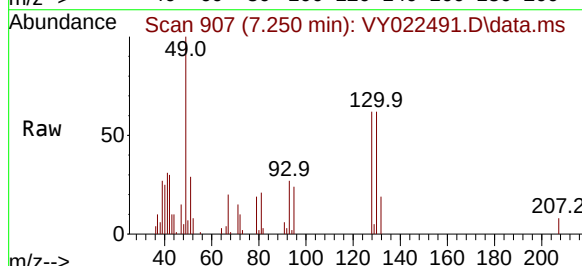
RT: 7.250 min Scan# 907

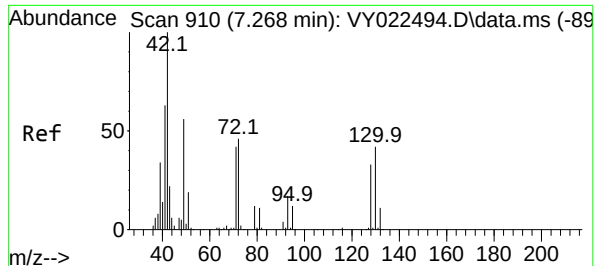
Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Tgt Ion: 49	Resp: 9453
Ion Ratio	Lower Upper
49 100	
129 1.8	0.0 3.6
130 69.5	55.7 83.5





#29

Tetrahydrofuran

Concen: 22.781 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

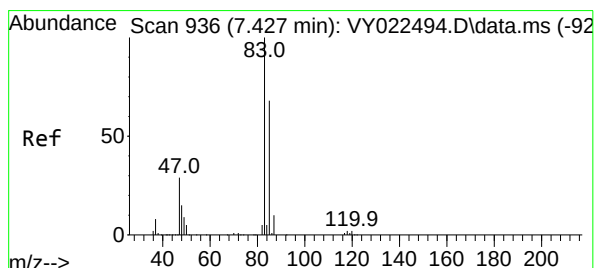
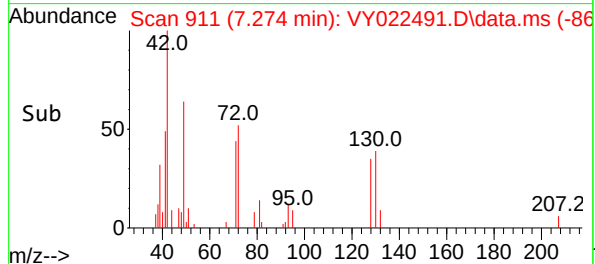
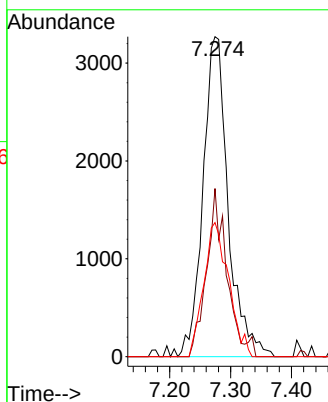
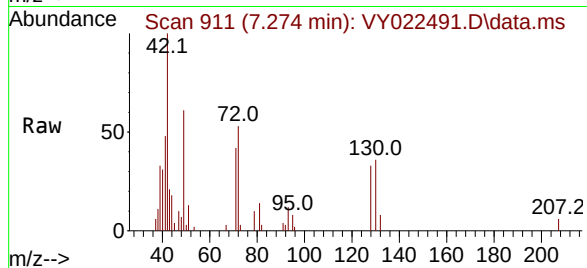
VSTDICC005

Tgt Ion:	42	Resp:	937
Ion	Ratio	Lower	Upper
42	100		
72	41.4	37.4	56.2
71	41.5	34.2	51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#30

Chloroform

Concen: 4.620 ug/l

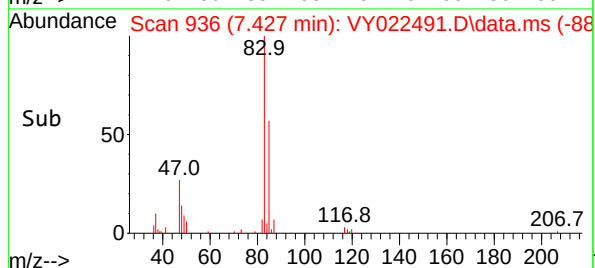
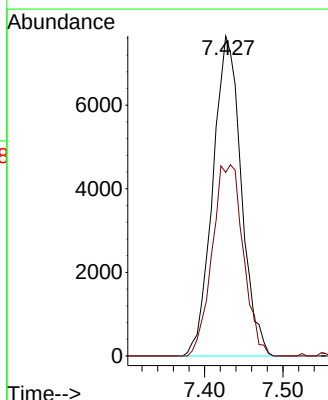
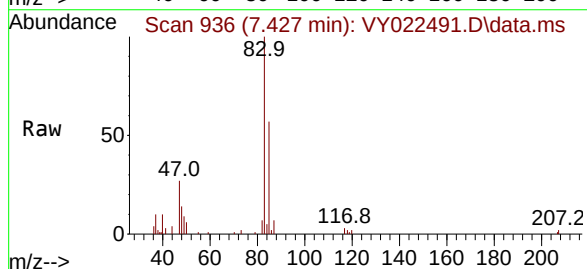
RT: 7.427 min Scan# 936

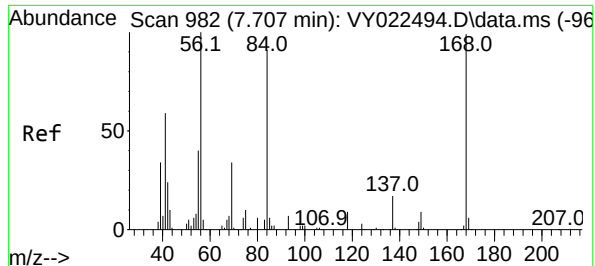
Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Tgt Ion:	83	Resp:	19302
Ion	Ratio	Lower	Upper
83	100		
85	57.4	54.2	81.4





#31

Cyclohexane

Concen: 5.519 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 2348

Ion Ratio Lower Upper

56 100

69 51.3 27.0 40.6

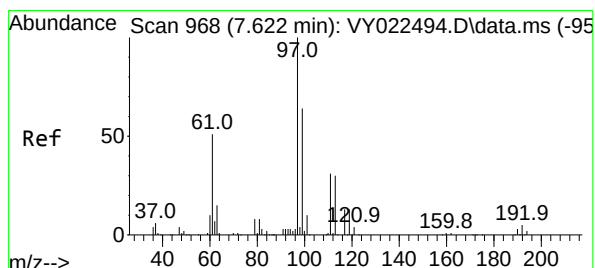
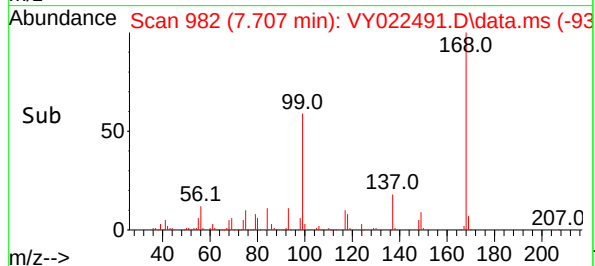
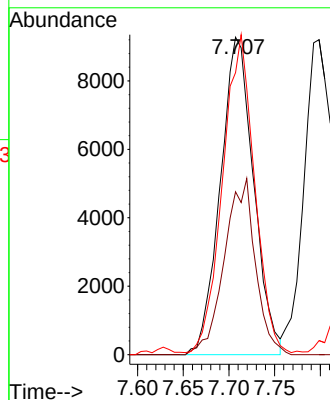
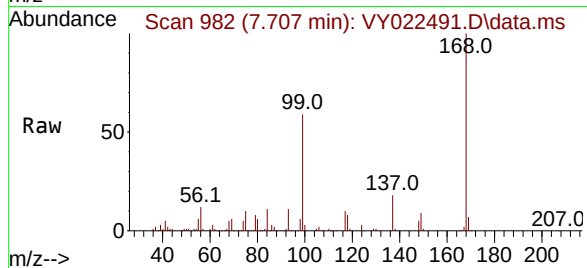
84 88.1 72.6 109.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#32

1,1,1-Trichloroethane

Concen: 4.413 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

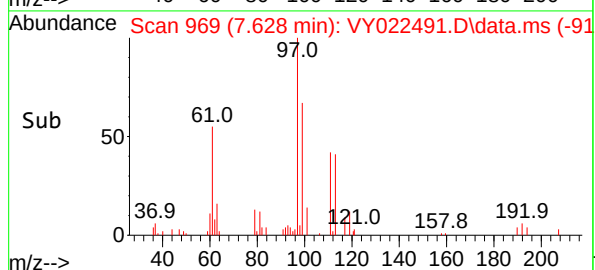
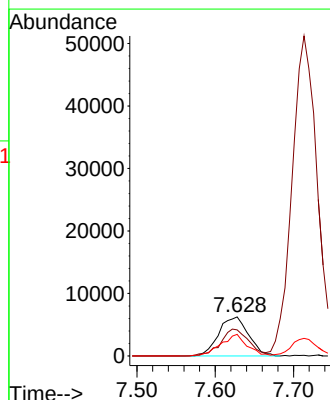
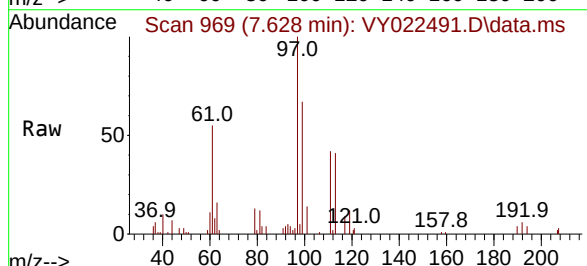
Tgt Ion: 97 Resp: 16476

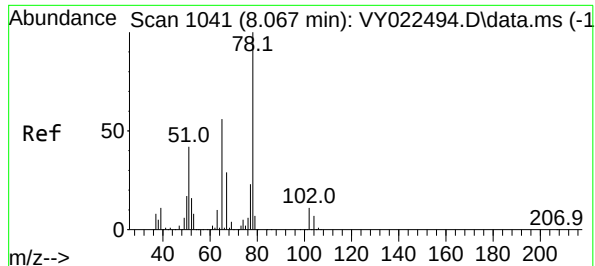
Ion Ratio Lower Upper

97 100

99 65.1 50.9 76.3

61 48.9 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 4.802 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 65 Resp: 10508

Ion Ratio Lower Upper

65 100

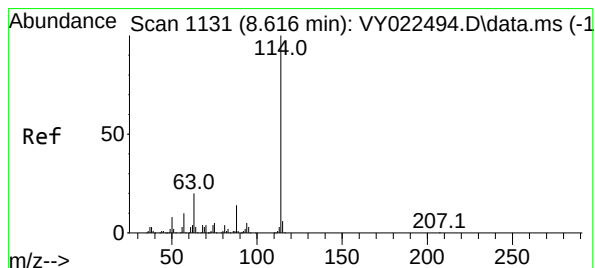
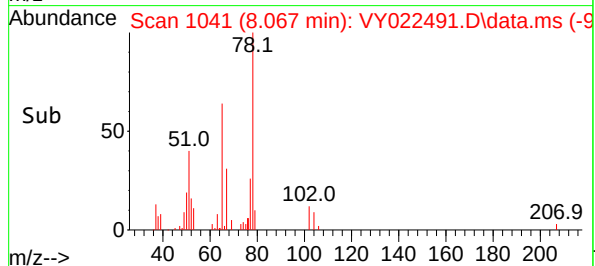
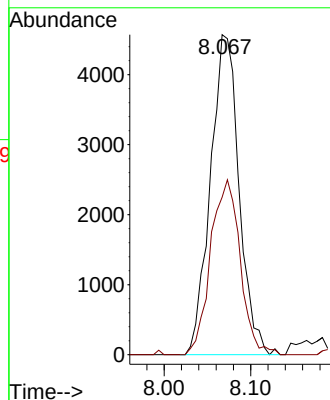
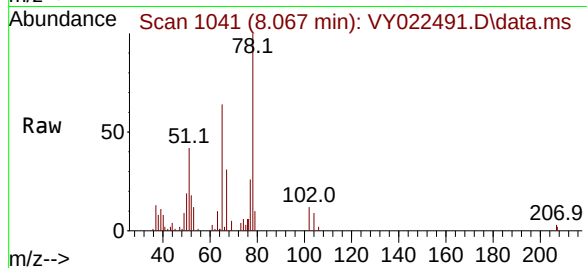
67 56.3 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

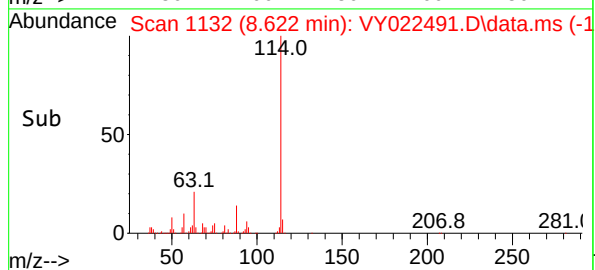
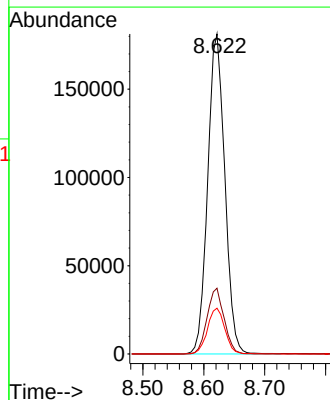
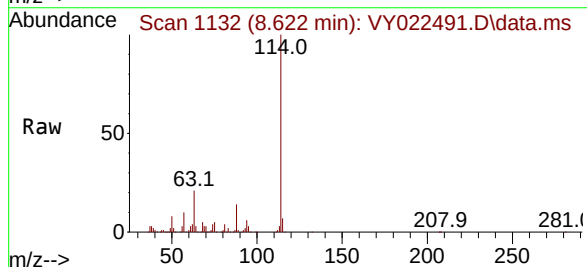
Tgt Ion:114 Resp: 353755

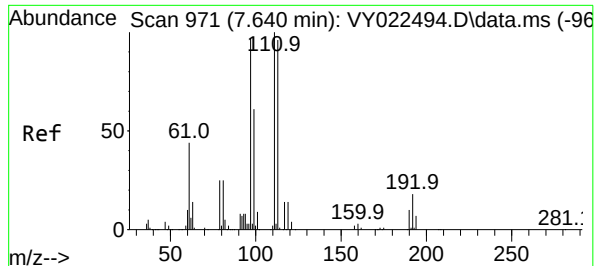
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 14.3 0.0 27.8





#35

Dibromofluoromethane

Concen: 4.477 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 932

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

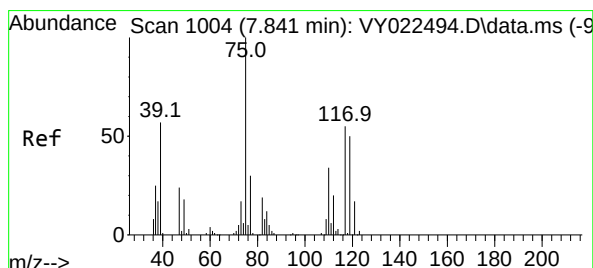
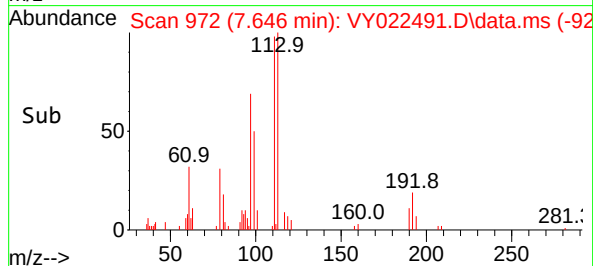
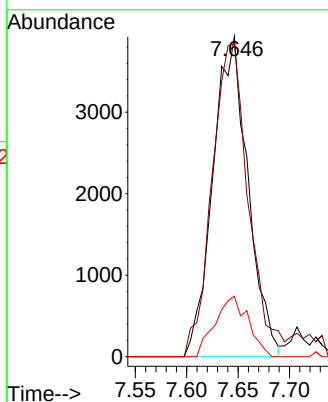
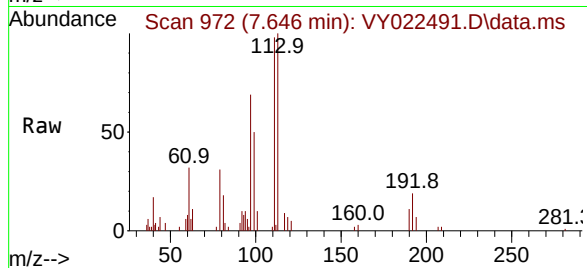
192 17.8 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#36

1,1-Dichloropropene

Concen: 4.367 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

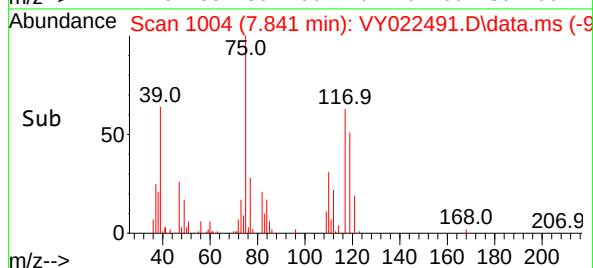
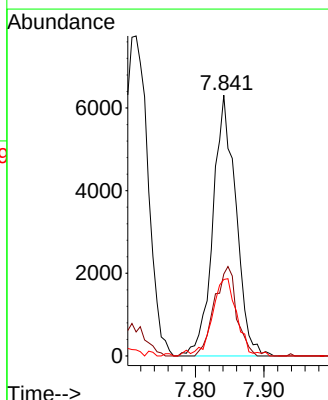
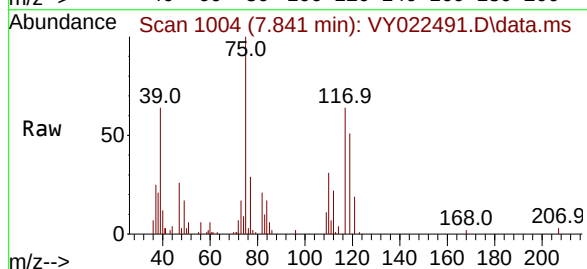
Tgt Ion: 75 Resp: 14700

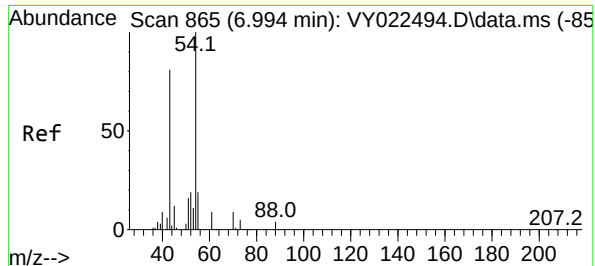
Ion Ratio Lower Upper

75 100

110 33.1 16.9 50.7

77 32.0 24.8 37.2





#37

Ethyl Acetate

Concen: 4.326 ug/l m

RT: 6.994 min Scan# 865

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

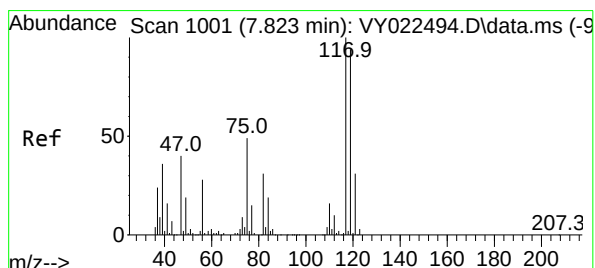
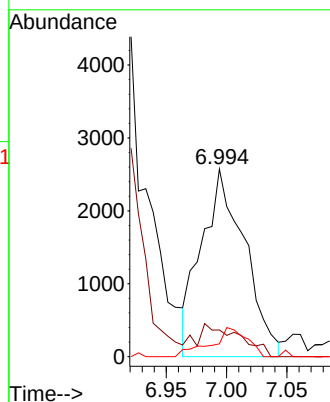
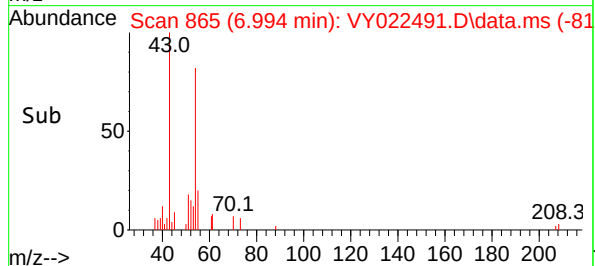
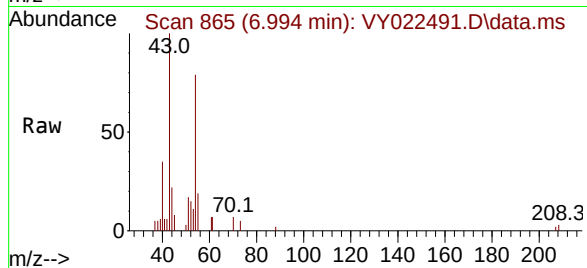
VSTDICC005

Tgt Ion:	43	Resp:	6409
Ion	Ratio	Lower	Upper
43	100		
61	17.3	11.5	17.3
70	12.8	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#38

Carbon Tetrachloride

Concen: 4.233 ug/l

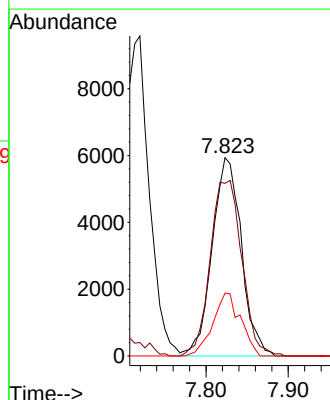
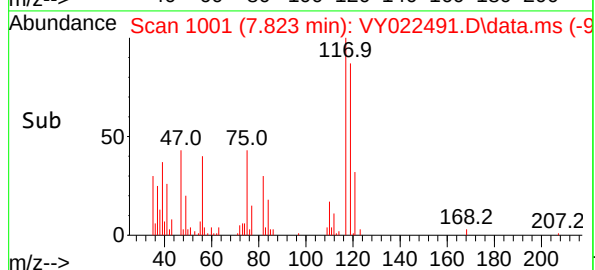
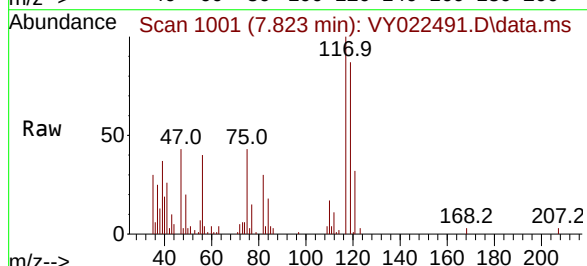
RT: 7.823 min Scan# 1001

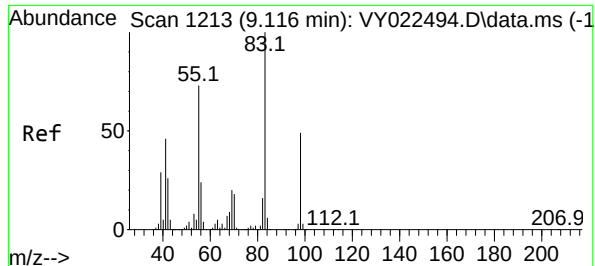
Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Tgt Ion:	117	Resp:	14691
Ion	Ratio	Lower	Upper
117	100		
119	87.1	75.0	112.6
121	31.7	25.0	37.4





#39

Methylcyclohexane

Concen: 4.415 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 83 Resp: 20070

Ion Ratio Lower Upper

83 100

55 76.4 58.1 87.1

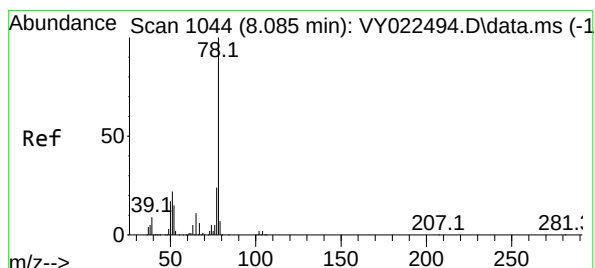
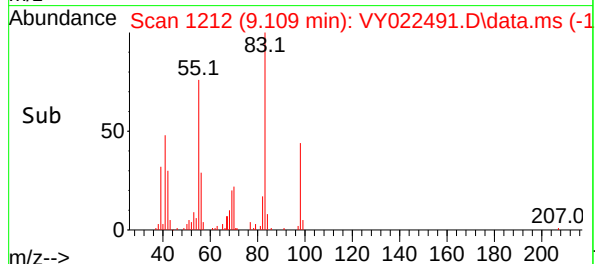
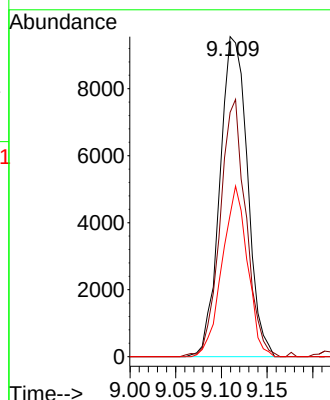
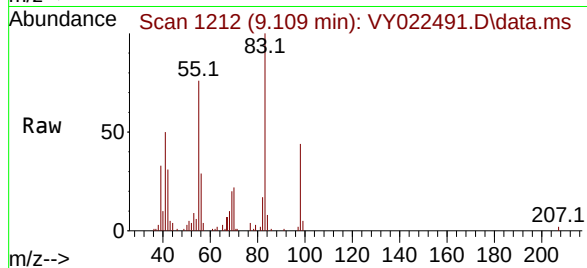
98 44.4 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#40

Benzene

Concen: 4.326 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY022491.D

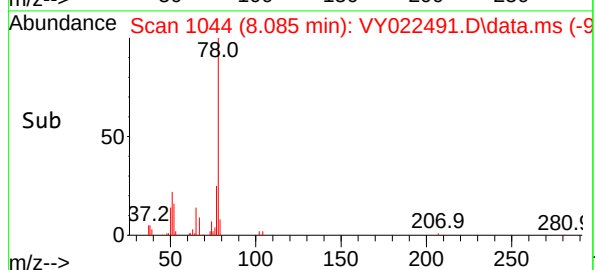
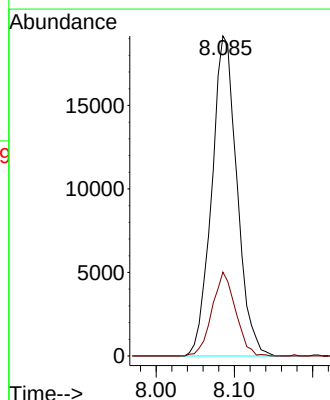
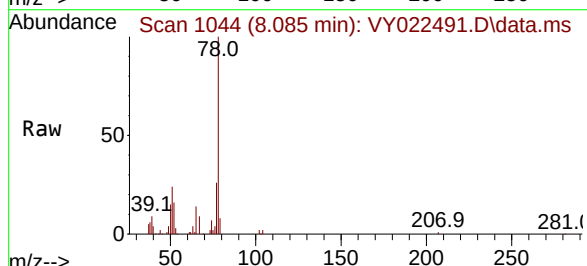
Acq: 02 Jun 2025 11:46

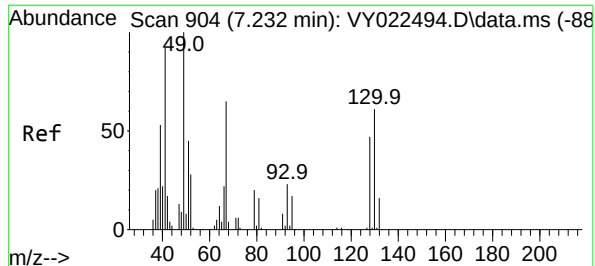
Tgt Ion: 78 Resp: 42926

Ion Ratio Lower Upper

78 100

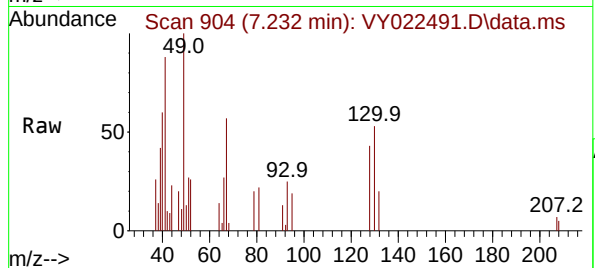
77 26.2 19.3 28.9





#41
Methacrylonitrile
Concen: 4.394 ug/l
RT: 7.232 min Scan# 904
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

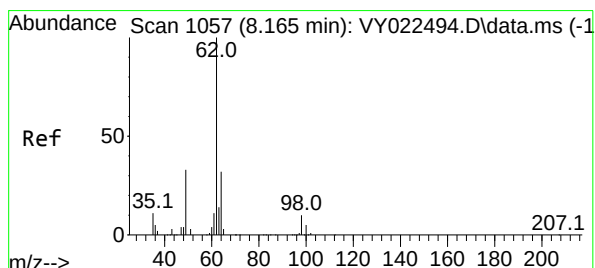
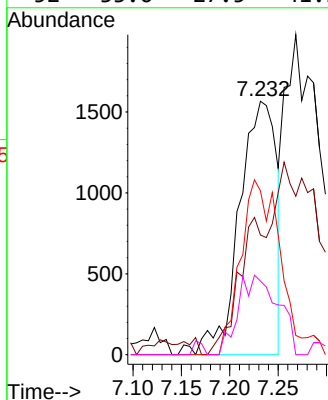
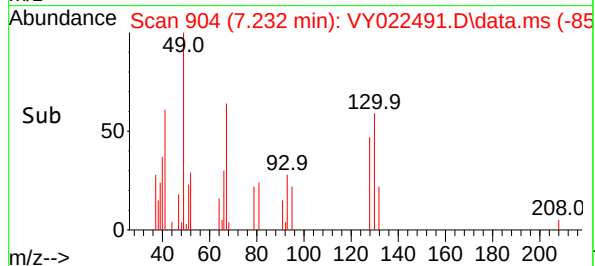
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



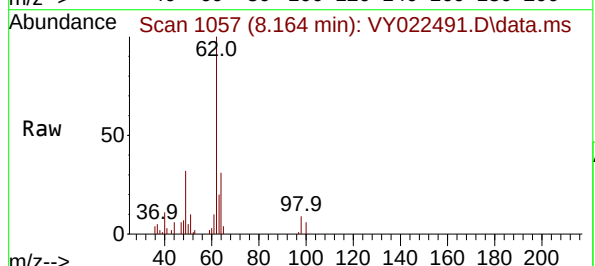
Tgt Ion: 41 Resp: 4192
Ion Ratio Lower Upper
41 100
39 40.1 46.6 69.8
67 74.0 63.3 94.9
52 33.6 27.5 41.3

Manual Integrations
APPROVED

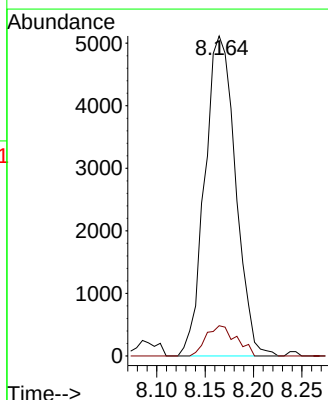
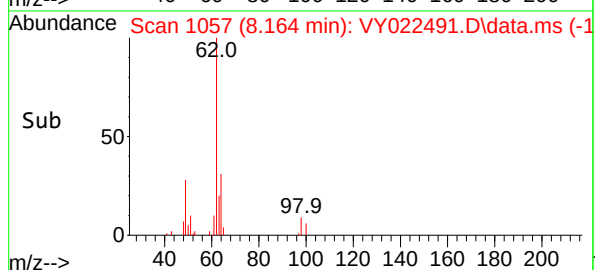
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

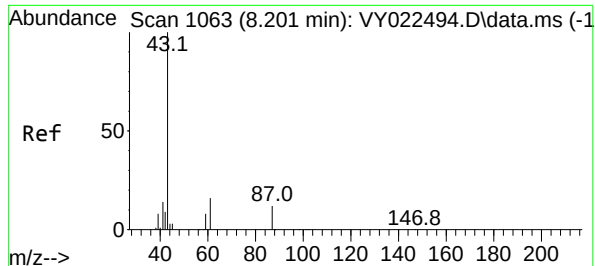


#42
1,2-Dichloroethane
Concen: 4.198 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46



Tgt Ion: 62 Resp: 11332
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.2





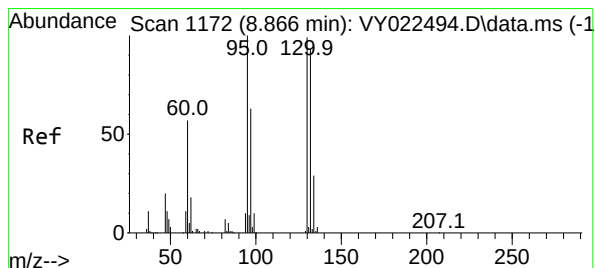
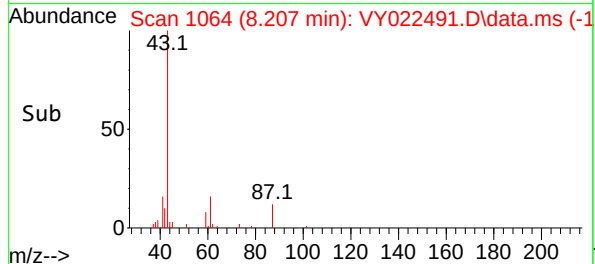
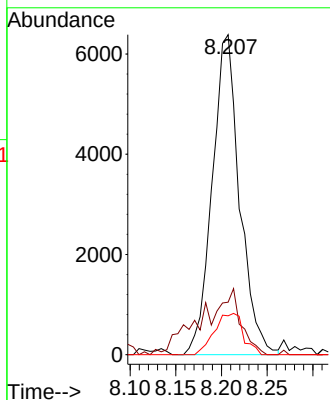
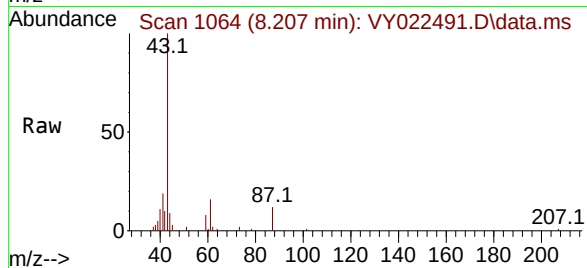
#43
Isopropyl Acetate
Concen: 4.117 ug/l
RT: 8.207 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 13330
Ion Ratio Lower Upper
43 100
61 16.2 15.6 23.4
87 13.6 10.2 15.4

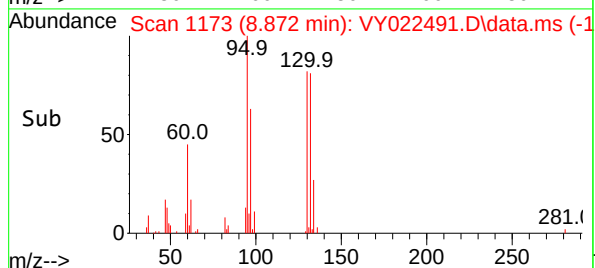
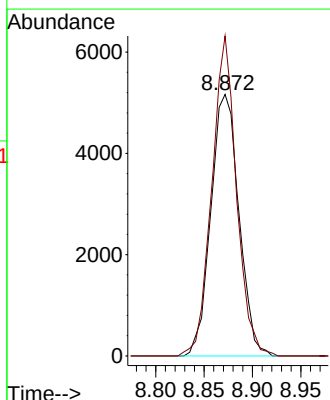
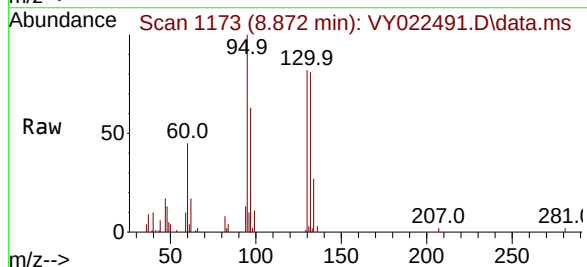
Manual Integrations
APPROVED

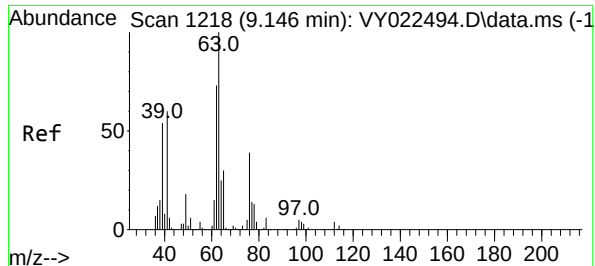
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#44
Trichloroethene
Concen: 4.292 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:130 Resp: 10404
Ion Ratio Lower Upper
130 100
95 122.3 0.0 203.0





#45

1,2-Dichloropropane

Concen: 4.091 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 9678

Ion Ratio Lower Upper

63 100

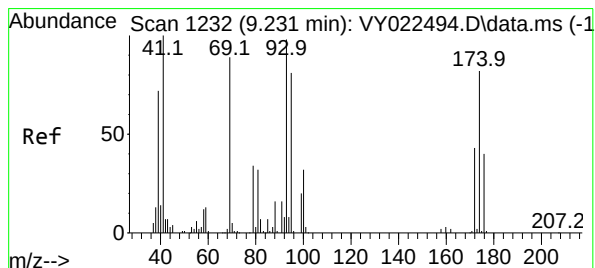
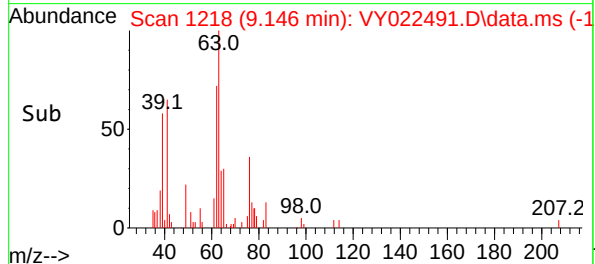
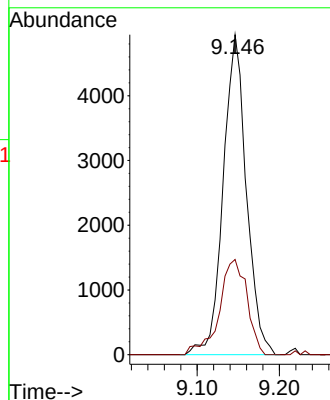
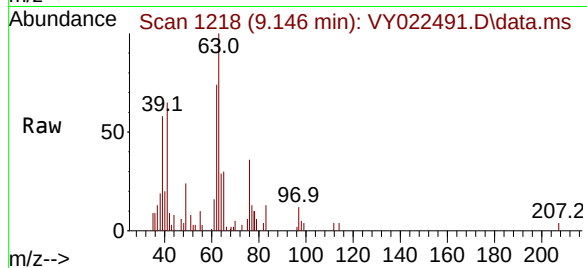
65 29.7 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#46

Dibromomethane

Concen: 4.223 ug/l

RT: 9.244 min Scan# 1234

Delta R.T. 0.012 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

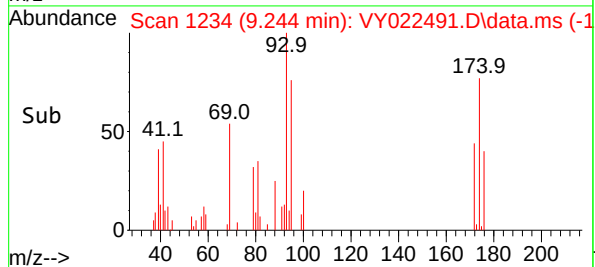
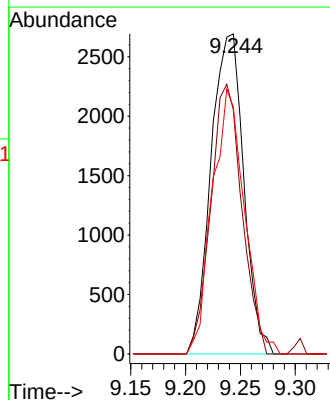
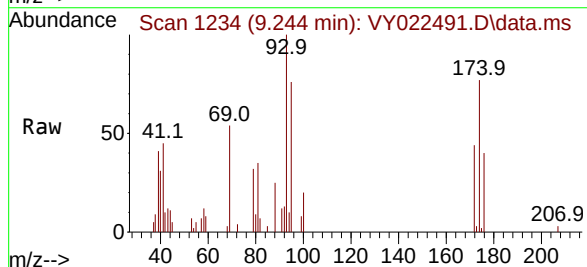
Tgt Ion: 93 Resp: 5596

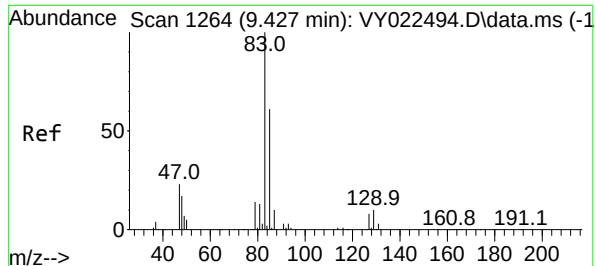
Ion Ratio Lower Upper

93 100

95 79.9 65.6 98.4

174 81.3 70.4 105.6





#47

Bromodichloromethane

Concen: 3.999 ug/l

RT: 9.433 min Scan# 1265

Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

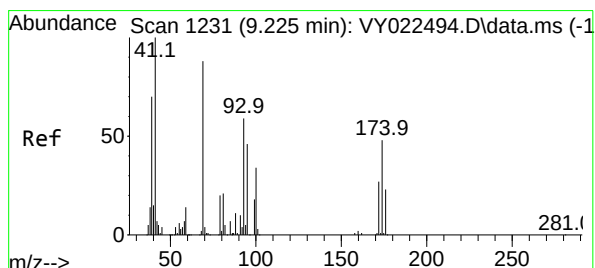
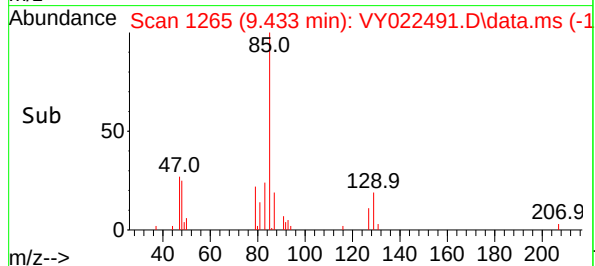
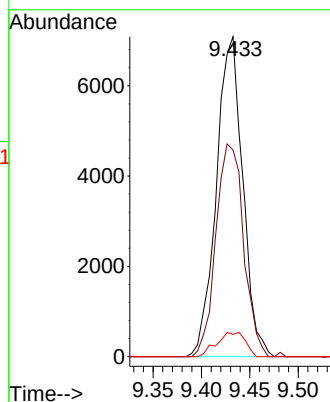
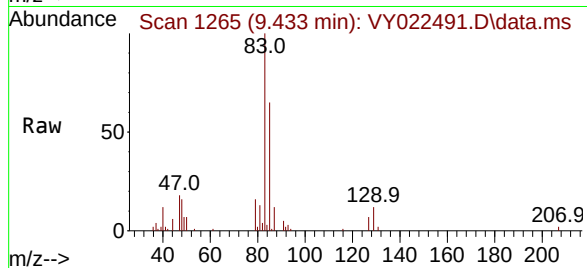
VSTDIC005

Tgt Ion:	83	Resp:	1344
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.1	73.7
127	7.0	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#48

Methyl methacrylate

Concen: 4.374 ug/l

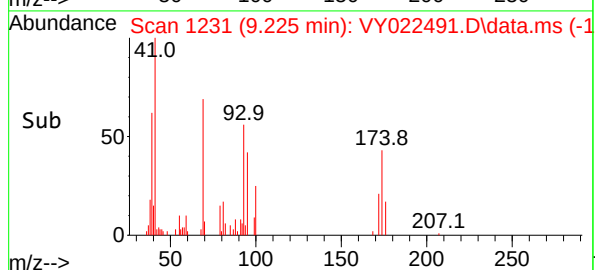
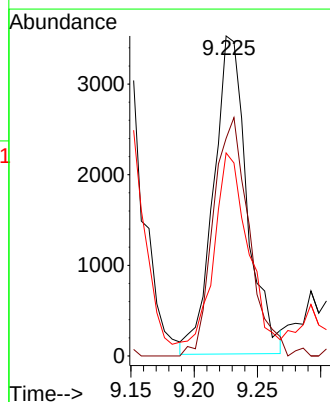
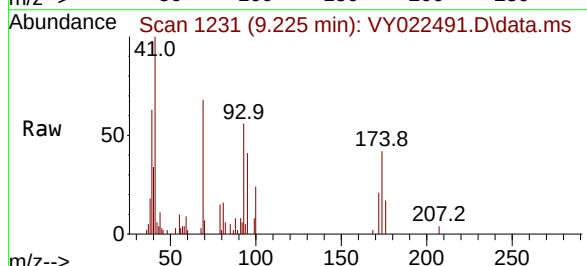
RT: 9.225 min Scan# 1231

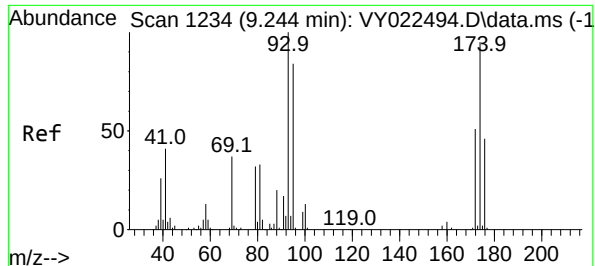
Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Tgt Ion:	41	Resp:	6483
Ion	Ratio	Lower	Upper
41	100		
69	80.0	67.8	101.8
39	57.3	55.0	82.4





#49

1,4-Dioxane

Concen: 85.767 ug/l m

RT: 9.231 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

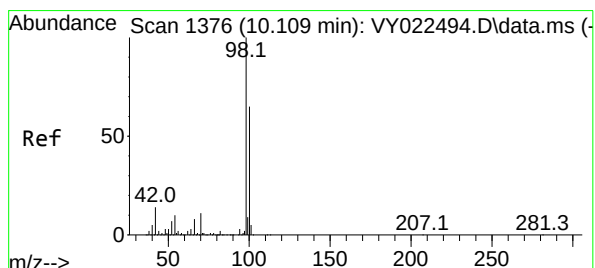
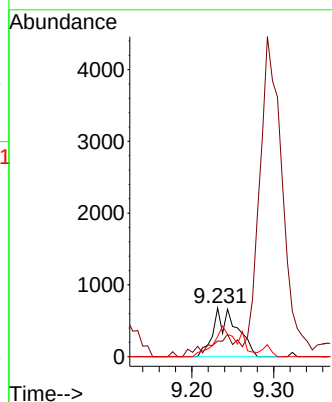
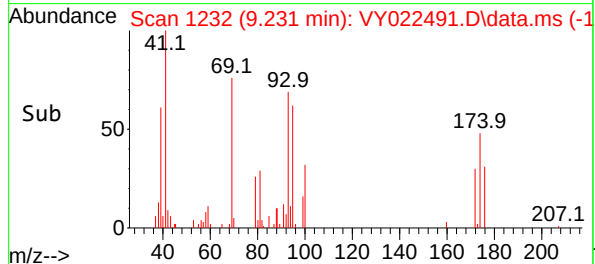
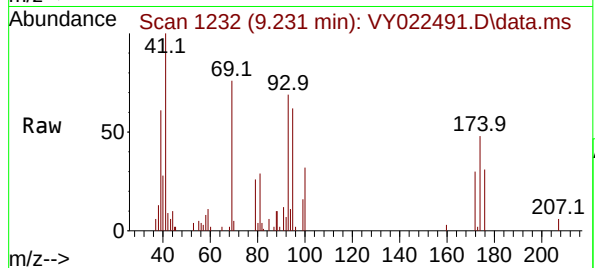
VSTDIC005

Tgt Ion:	88	Resp:	1350
Ion	Ratio	Lower	Upper
88	100		
43	53.1	25.4	38.2
58	65.5	54.9	82.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#50

Toluene-d8

Concen: 4.482 ug/l

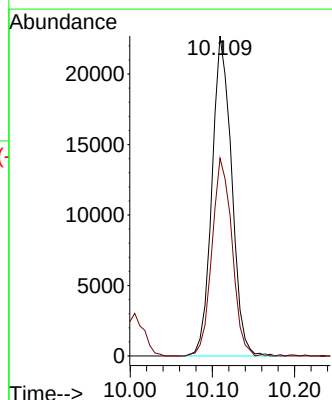
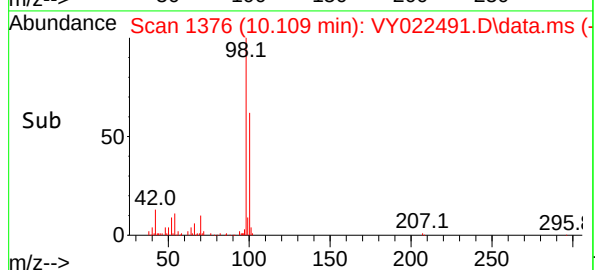
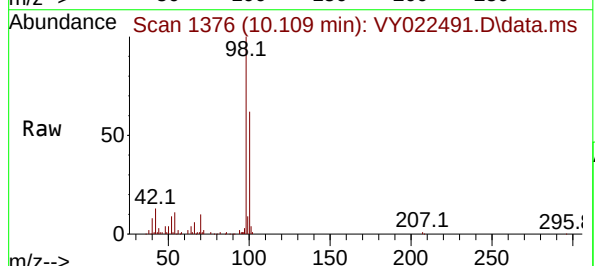
RT: 10.109 min Scan# 1376

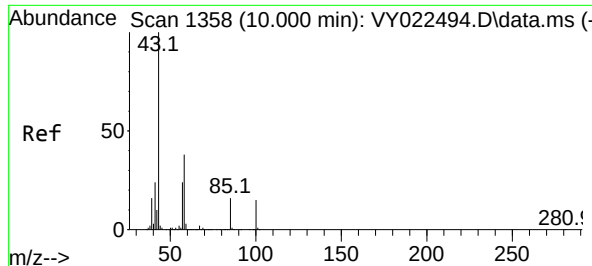
Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

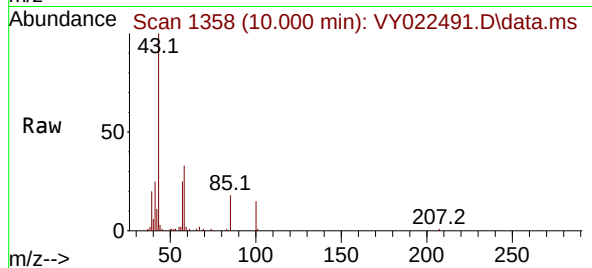
Tgt Ion:	98	Resp:	37729
Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 19.273 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

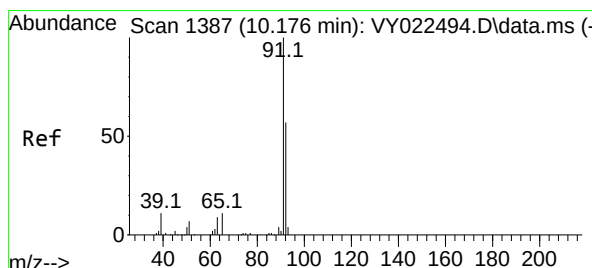
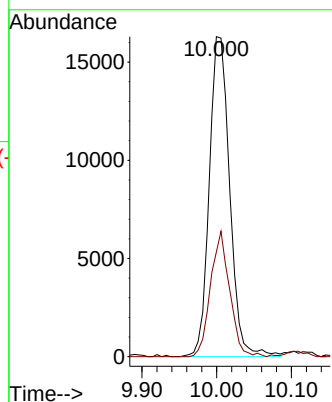
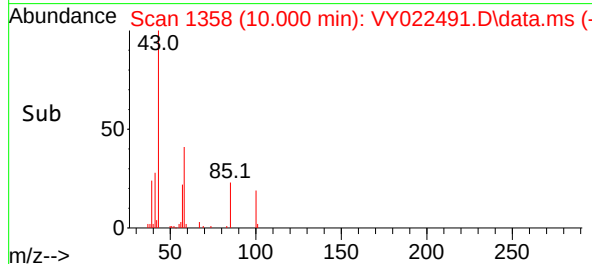
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 30969
Ion Ratio Lower Upper
43 100
58 36.7 30.4 45.6

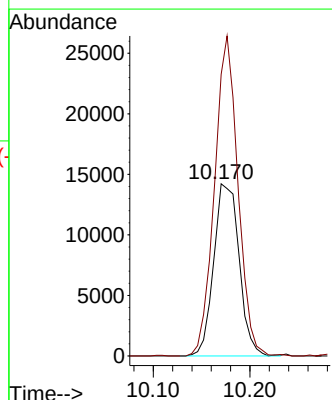
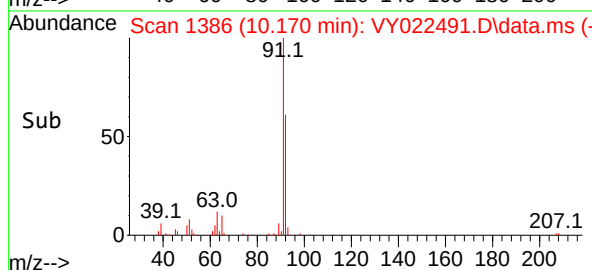
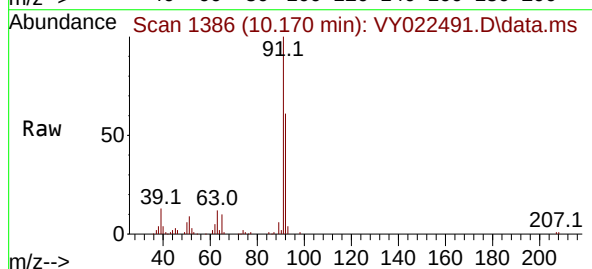
Manual Integrations
APPROVED

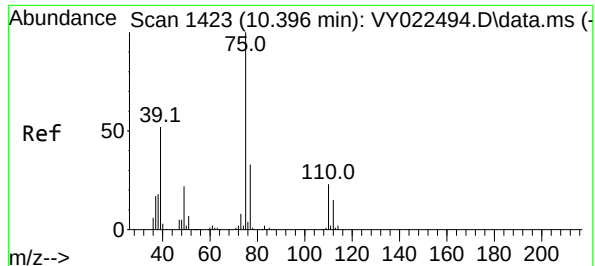
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#52
Toluene
Concen: 4.150 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

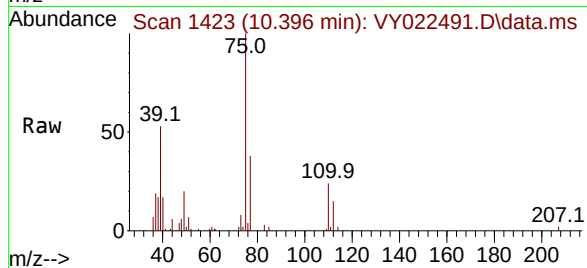
Tgt Ion: 92 Resp: 25893
Ion Ratio Lower Upper
92 100
91 171.8 139.0 208.4





#53
t-1,3-Dichloropropene
Concen: 3.982 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

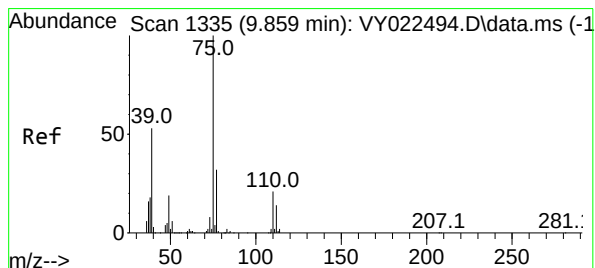
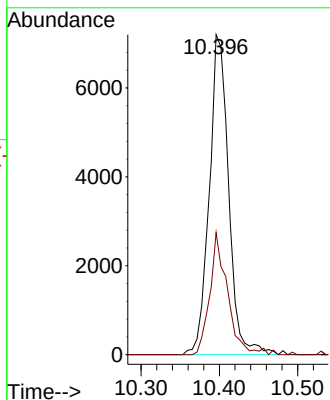
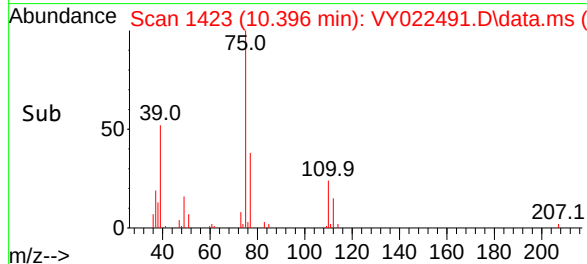
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 1238
Ion Ratio Lower Upper
75 100
77 38.1 26.5 39.7

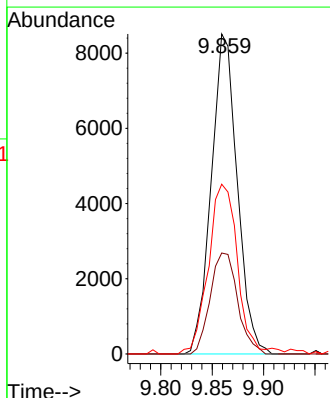
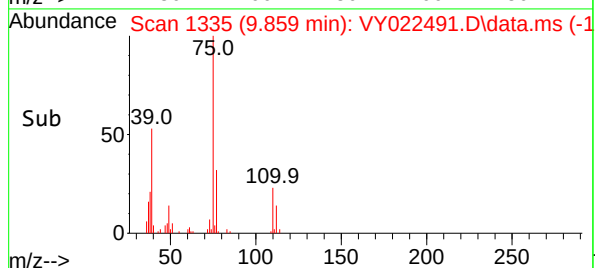
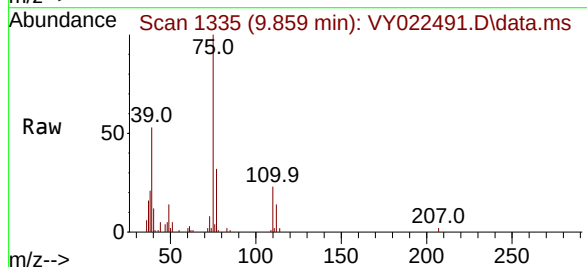
Manual Integrations
APPROVED

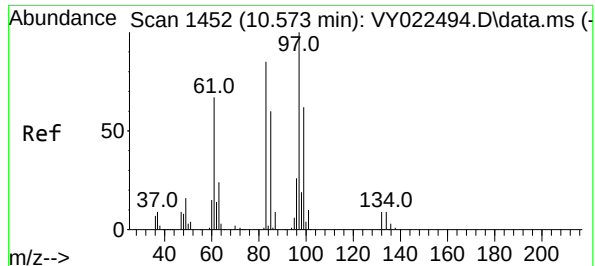
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#54
cis-1,3-Dichloropropene
Concen: 4.103 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

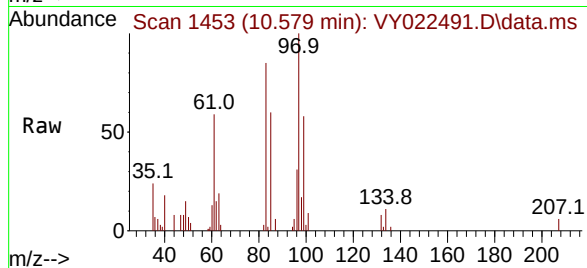
Tgt Ion: 75 Resp: 14966
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9
39 53.0 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 4.385 ug/l
RT: 10.579 min Scan# 1452
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

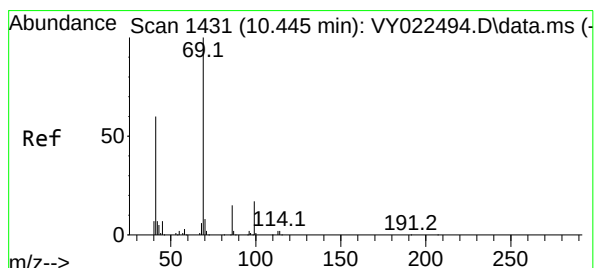
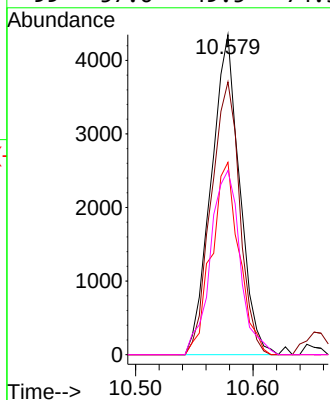
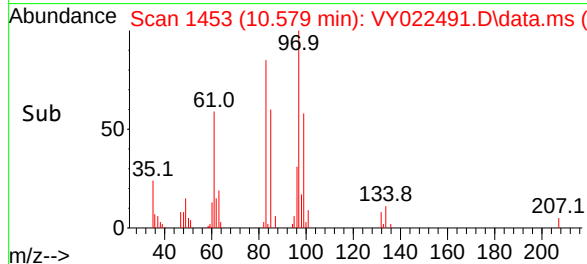
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 97 Resp: 7318
Ion Ratio Lower Upper
97 100
83 85.3 68.1 102.1
85 60.1 48.2 72.2
99 57.6 49.5 74.3

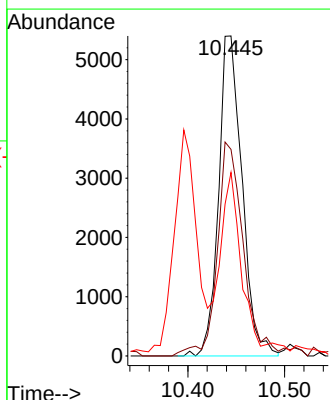
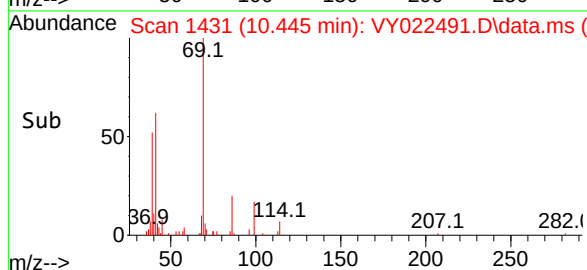
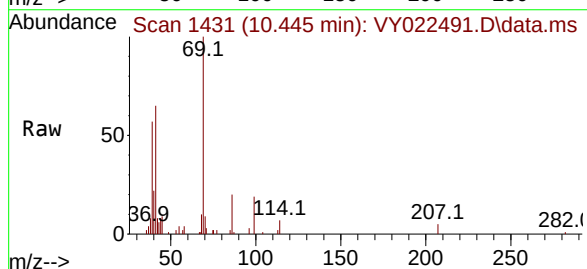
Manual Integrations
APPROVED

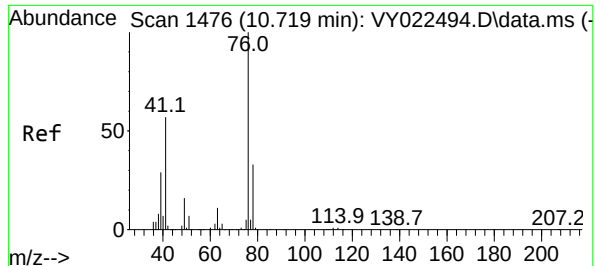
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#56
Ethyl methacrylate
Concen: 3.751 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

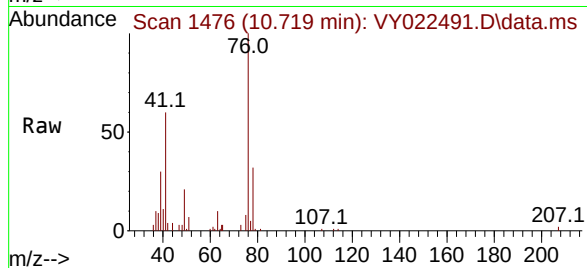
Tgt Ion: 69 Resp: 9092
Ion Ratio Lower Upper
69 100
41 73.4 52.2 78.2
39 46.3 36.7 55.1





#57
1,3-Dichloropropane
Concen: 4.255 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

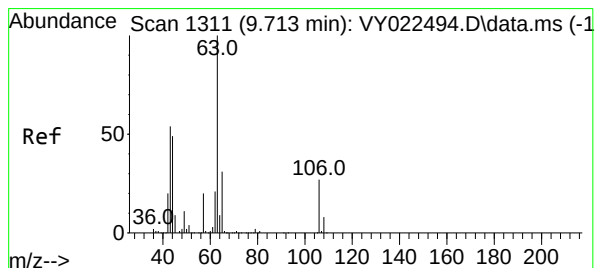
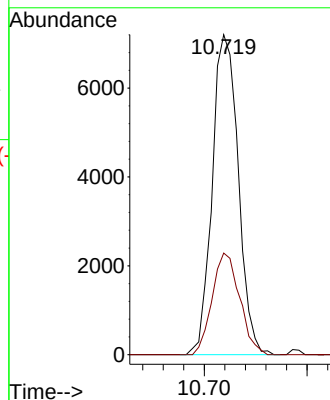
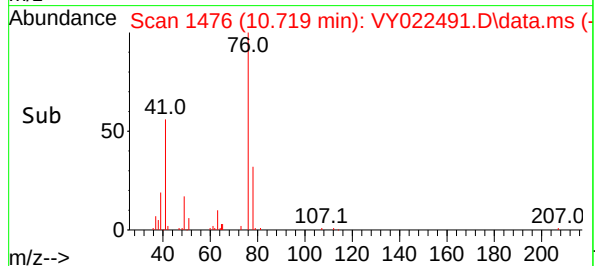
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 76 Resp: 12648
Ion Ratio Lower Upper
76 100
78 33.6 25.8 38.8

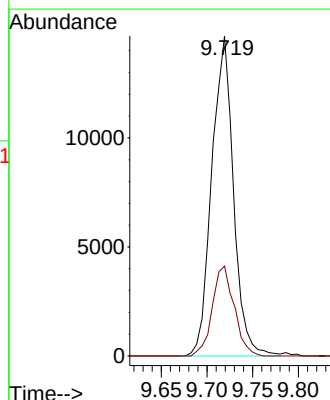
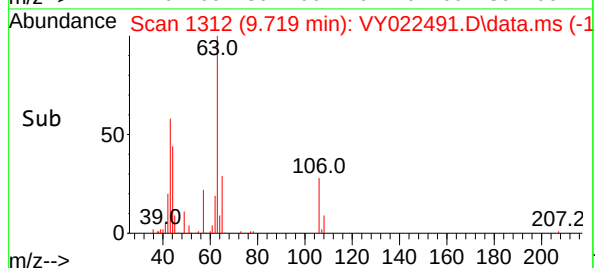
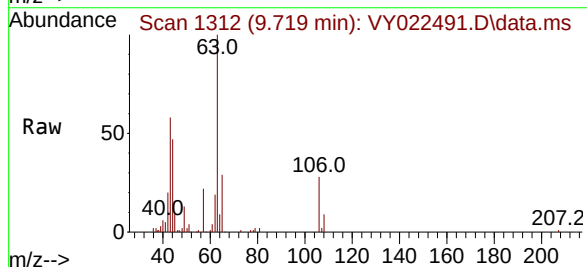
Manual Integrations
APPROVED

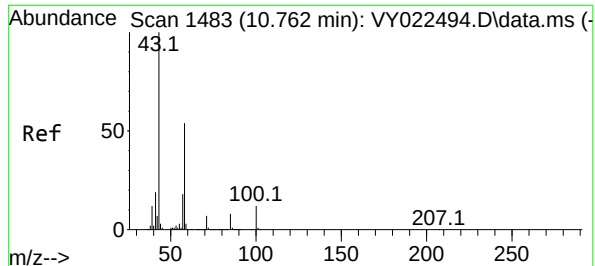
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#58
2-Chloroethyl Vinyl ether
Concen: 22.409 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 24214
Ion Ratio Lower Upper
63 100
106 28.3 21.6 32.4





#59

2-Hexanone

Concen: 19.832 ug/l

RT: 10.768 min Scan# 1484

Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 2124

Ion Ratio Lower Upper

43 100

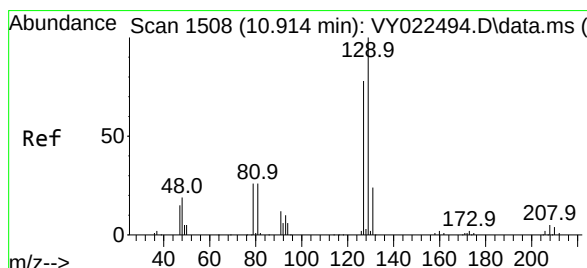
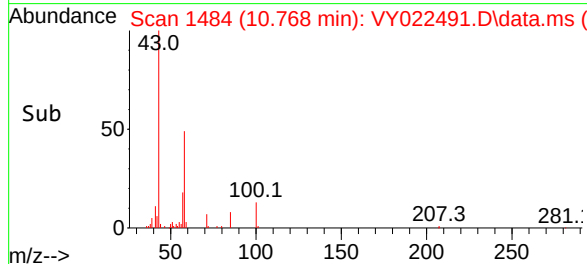
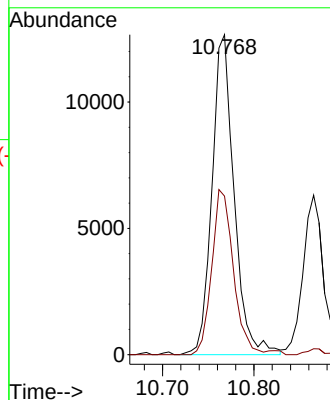
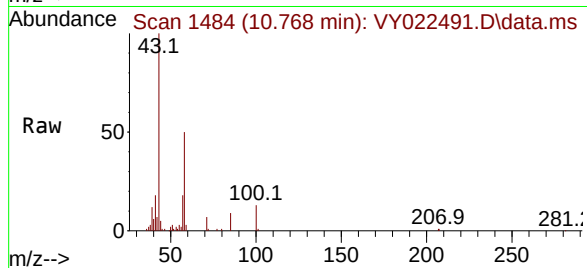
58 50.4 27.3 81.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#60

Dibromochloromethane

Concen: 4.152 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VY022491.D

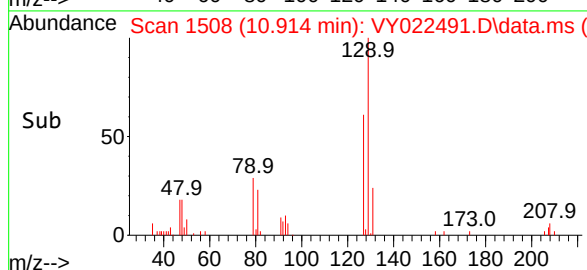
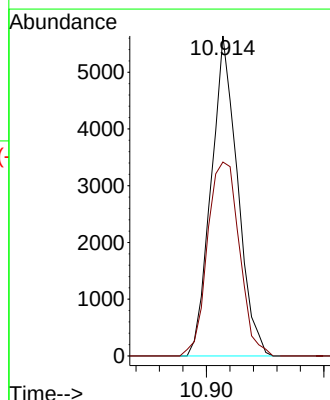
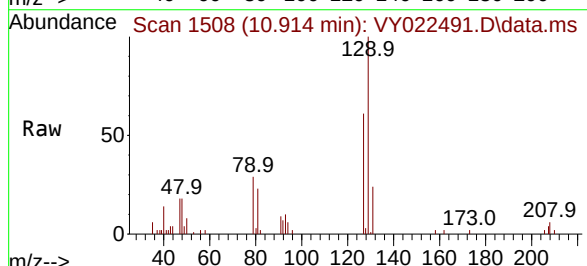
Acq: 02 Jun 2025 11:46

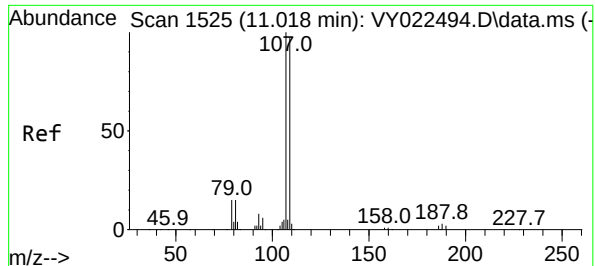
Tgt Ion:129 Resp: 8781

Ion Ratio Lower Upper

129 100

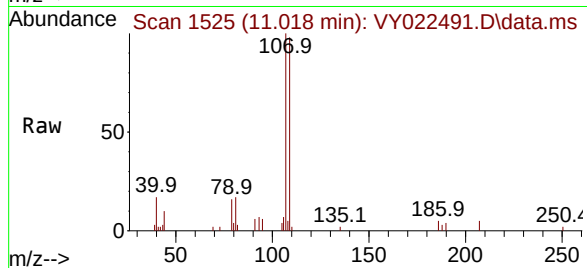
127 73.3 39.1 117.2





#61
1,2-Dibromoethane
Concen: 3.991 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

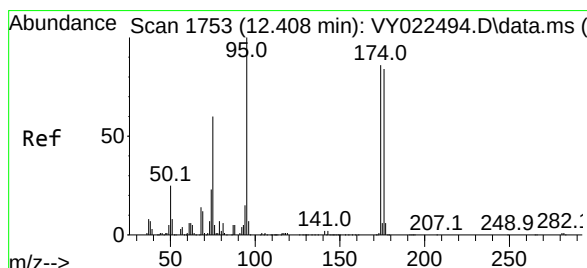
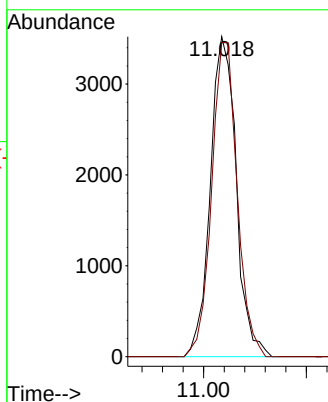
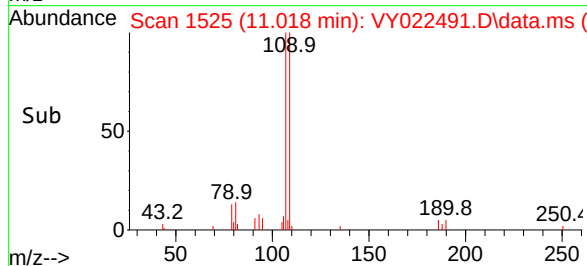
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:107 Resp: 6140
Ion Ratio Lower Upper
107 100
109 96.8 77.7 116.5

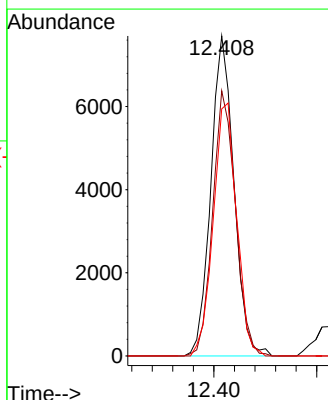
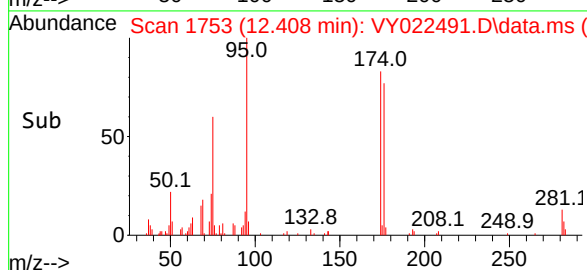
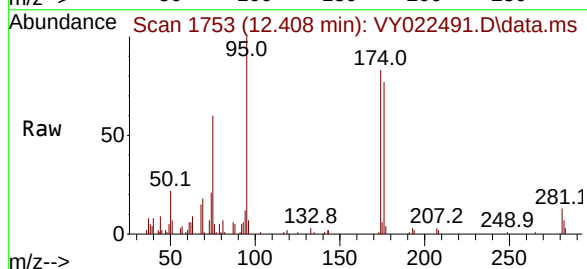
Manual Integrations
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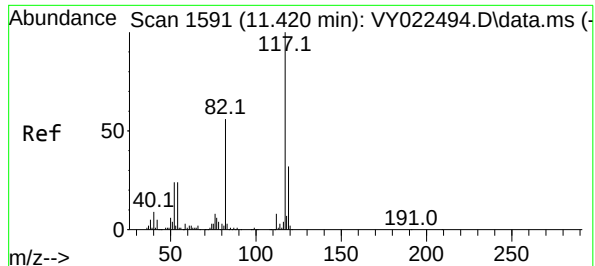
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#62
4-Bromofluorobenzene
Concen: 4.697 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

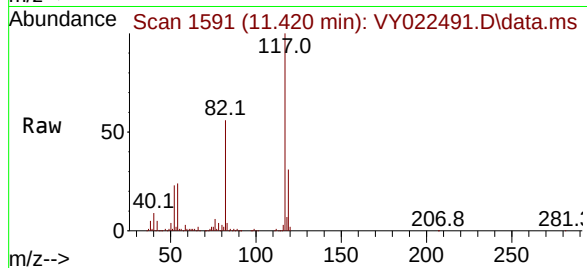
Tgt Ion: 95 Resp: 11988
Ion Ratio Lower Upper
95 100
174 81.7 0.0 170.0
176 80.2 0.0 166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

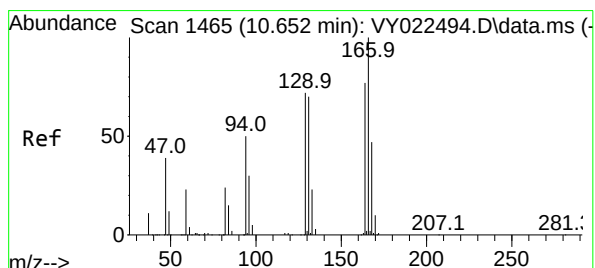
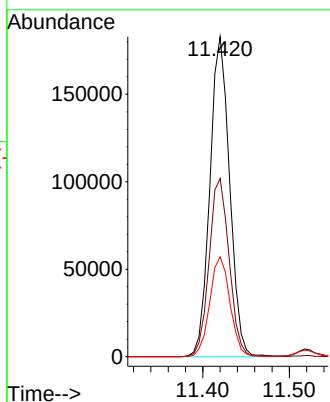
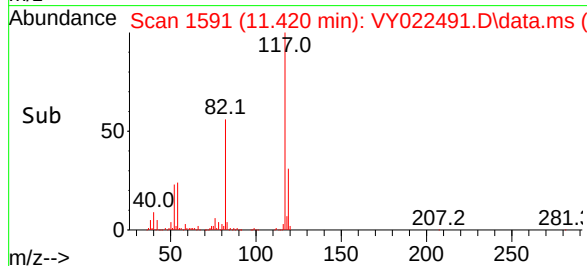
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:117 Resp: 289394
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 31.2 25.4 38.0

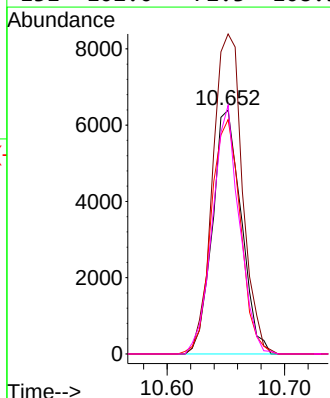
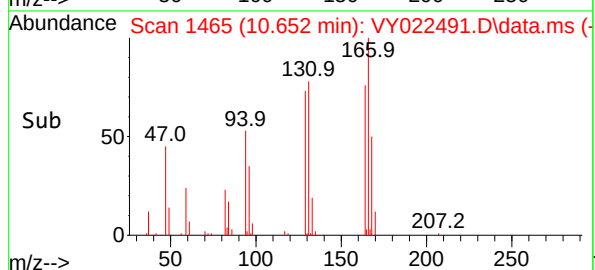
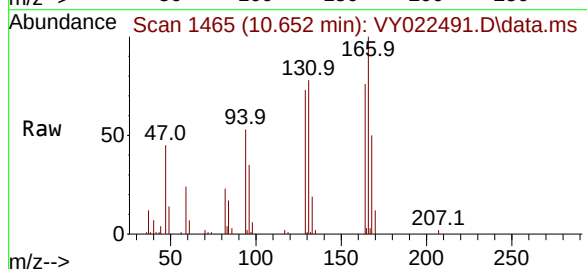
Manual Integrations
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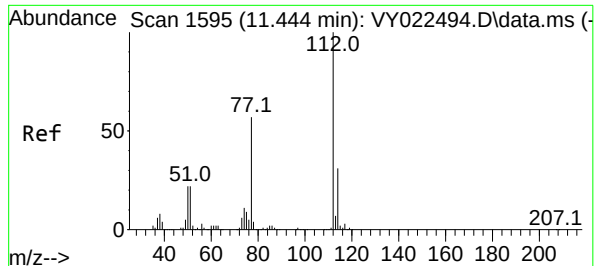
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#64
Tetrachloroethene
Concen: 4.417 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

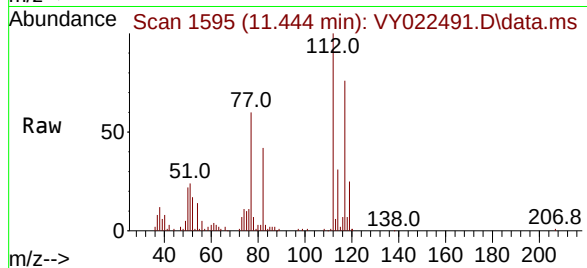
Tgt Ion:164 Resp: 10863
Ion Ratio Lower Upper
164 100
166 131.2 104.0 156.0
129 96.1 74.5 111.7
131 102.0 72.3 108.5





#65
Chlorobenzene
Concen: 4.377 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

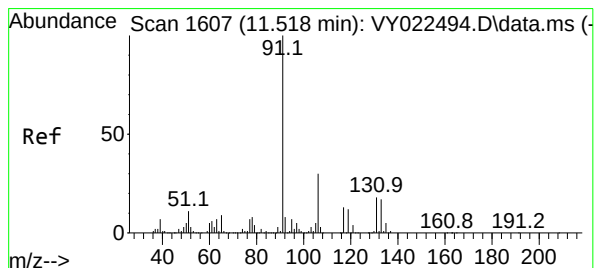
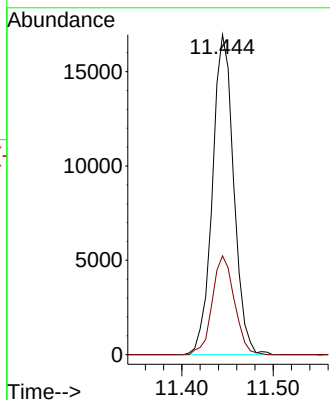
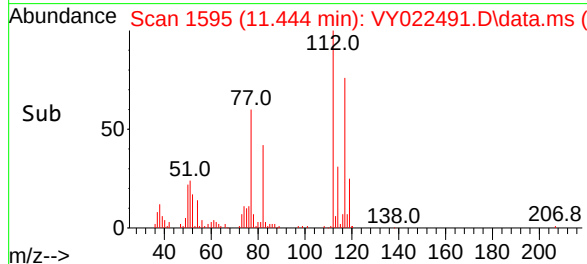
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:112 Resp: 2746
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6

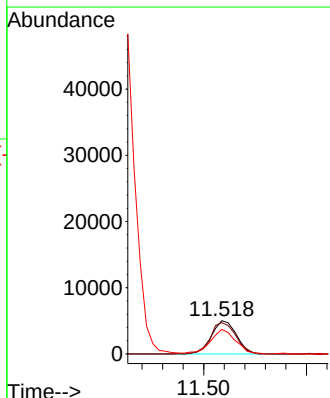
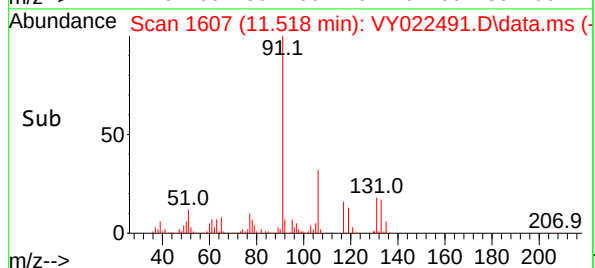
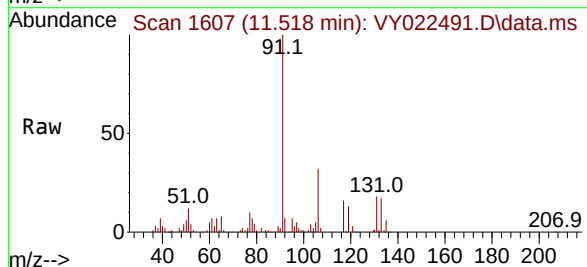
Manual Integrations
APPROVED

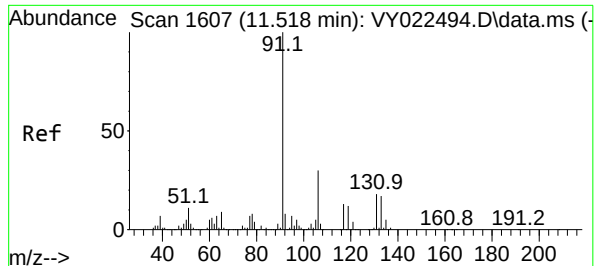
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 3.959 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:131 Resp: 8422
Ion Ratio Lower Upper
131 100
133 96.8 47.3 141.8
119 74.3 33.1 99.3





#67

Ethyl Benzene

Concen: 4.098 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 4788

Ion Ratio Lower Upper

91 100

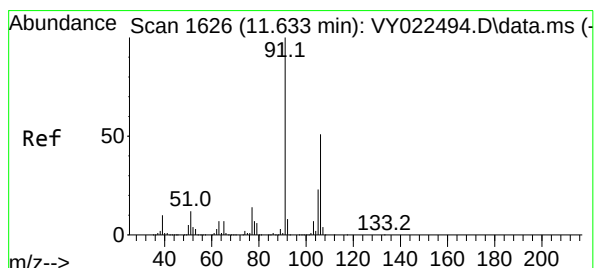
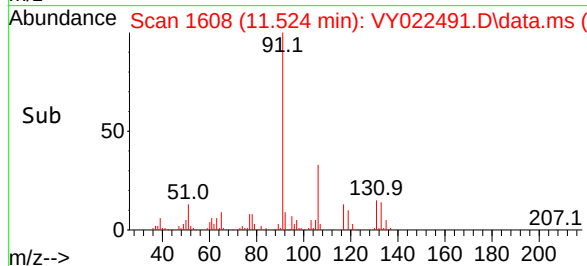
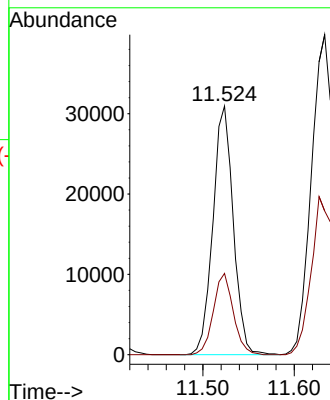
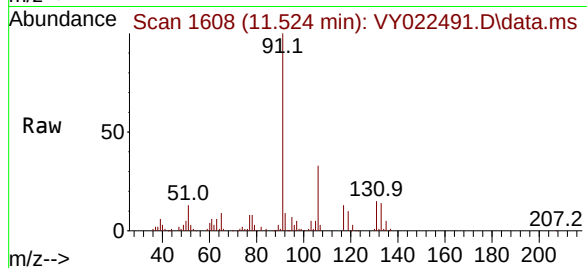
106 32.7 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#68

m/p-Xylenes

Concen: 8.060 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY022491.D

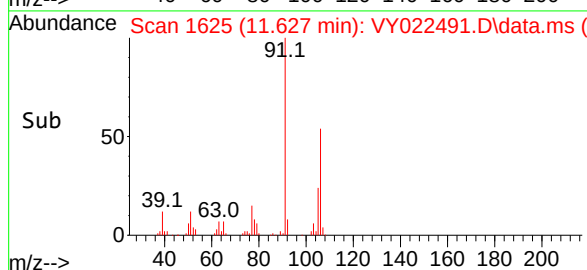
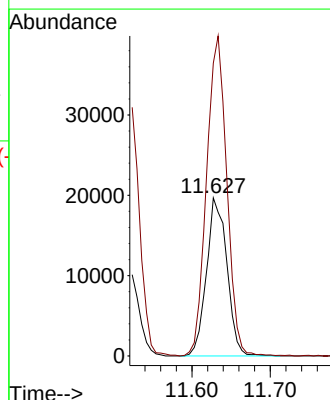
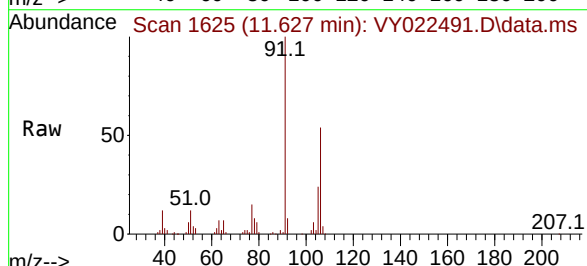
Acq: 02 Jun 2025 11:46

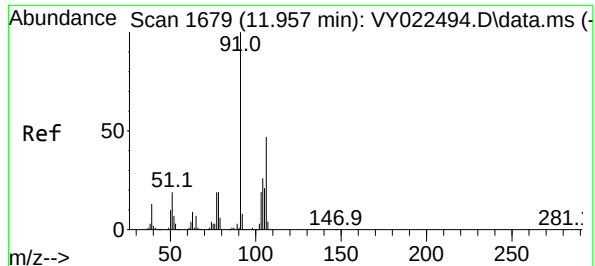
Tgt Ion:106 Resp: 35645

Ion Ratio Lower Upper

106 100

91 200.7 159.4 239.0





#69

o-Xylene

Concen: 4.075 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 1686

Ion Ratio Lower Upper

106 100

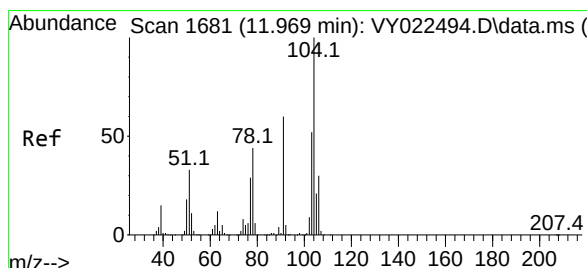
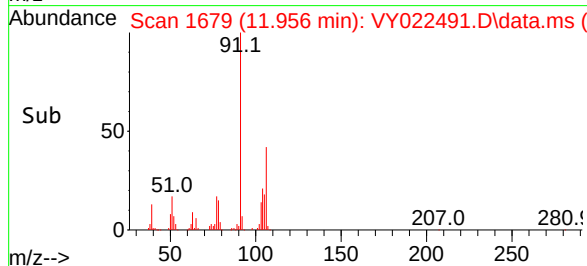
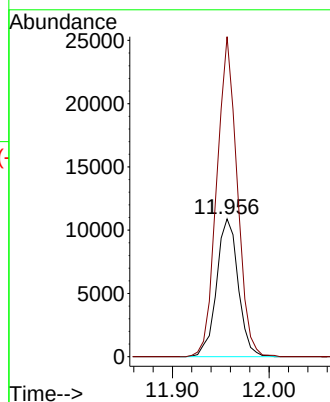
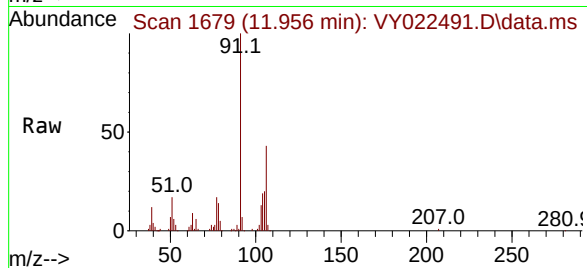
91 219.4 105.8 317.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#70

Styrene

Concen: 3.840 ug/l

RT: 11.975 min Scan# 1682

Delta R.T. 0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

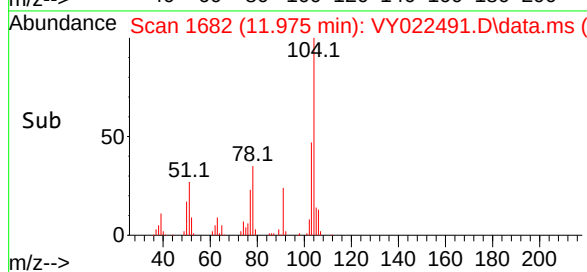
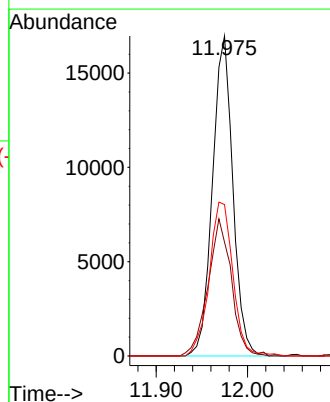
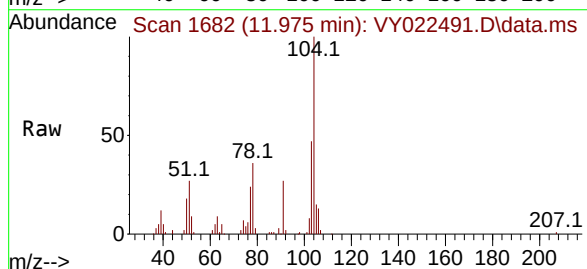
Tgt Ion:104 Resp: 26313

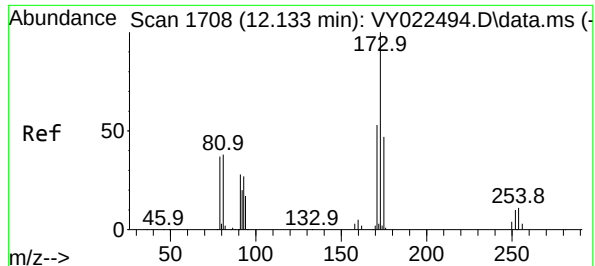
Ion Ratio Lower Upper

104 100

78 48.8 39.5 59.3

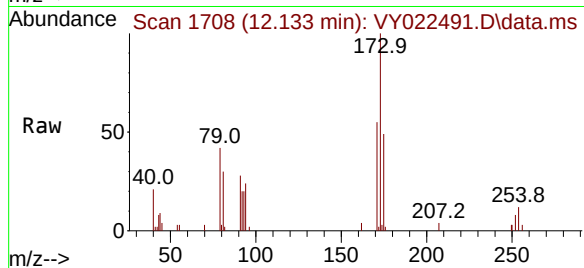
103 55.8 44.1 66.1





#71
Bromoform
Concen: 4.159 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

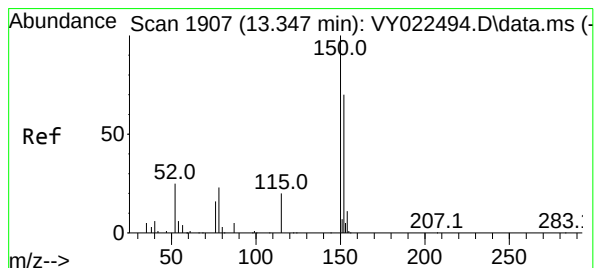
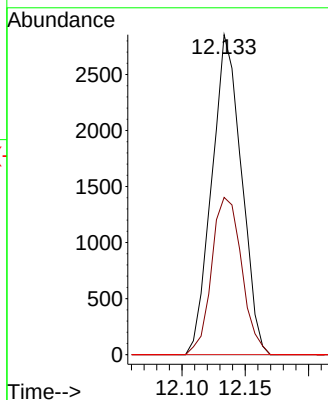
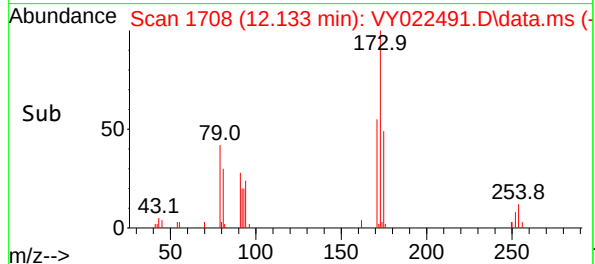
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:173 Resp: 4649
Ion Ratio Lower Upper
173 100
175 49.9 23.8 71.5
254 0.0 0.0 0.0

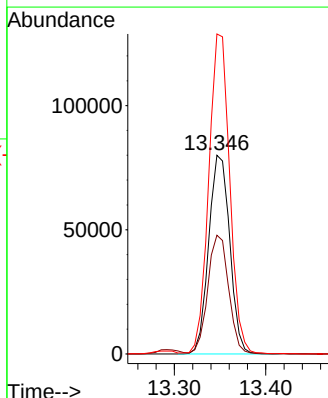
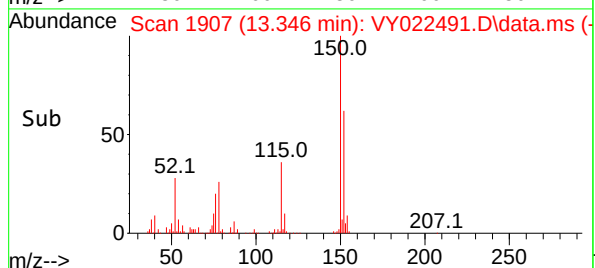
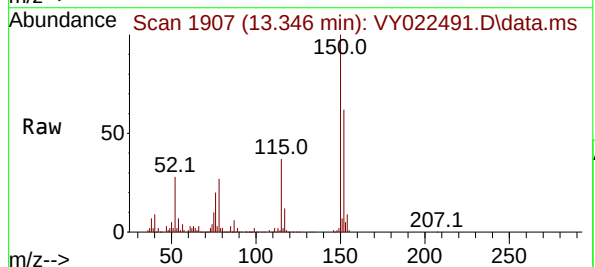
Manual Integrations
APPROVED

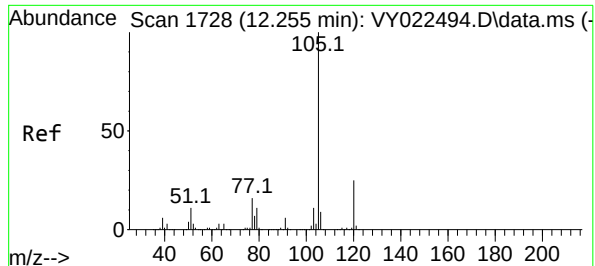
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

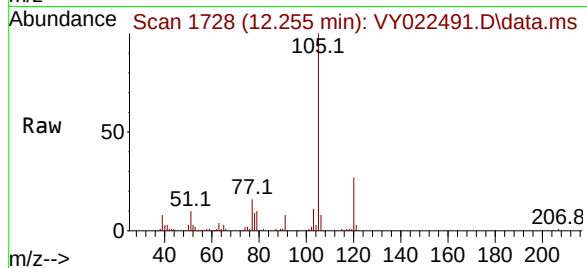
Tgt Ion:152 Resp: 127807
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.7
150 160.5 0.0 349.6





#73
Isopropylbenzene
Concen: 4.307 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

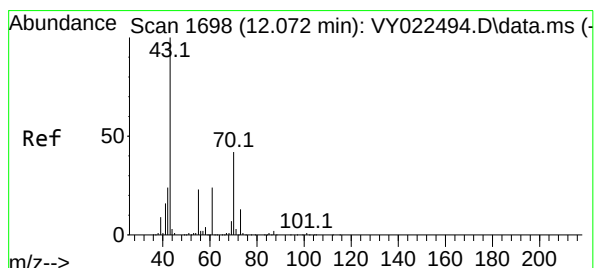
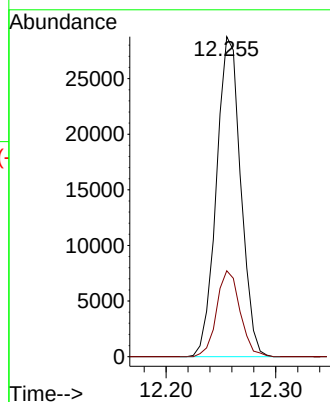
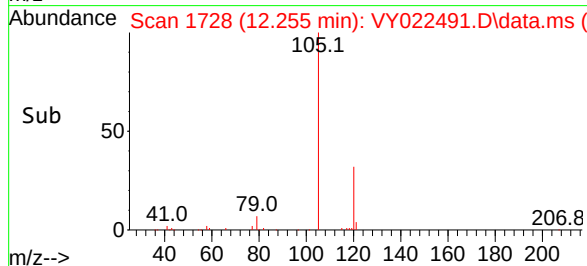
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:105 Resp: 44350
Ion Ratio Lower Upper
105 100
120 25.8 13.0 38.9

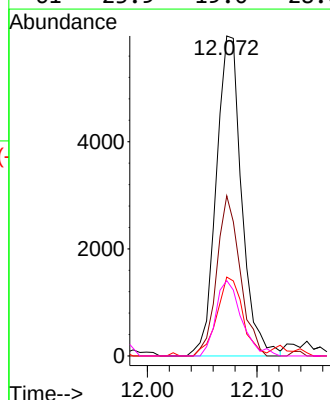
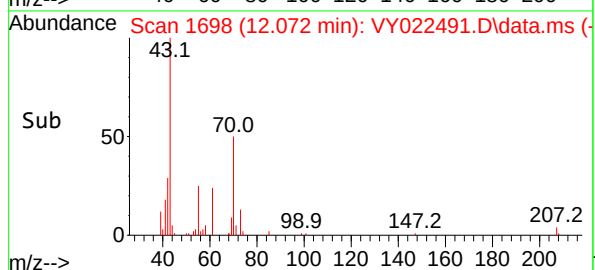
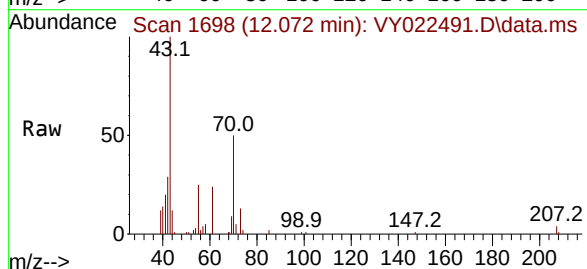
Manual Integrations
APPROVED

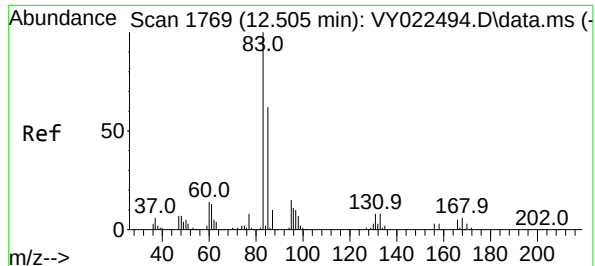
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#74
N-ethyl acetate
Concen: 3.699 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

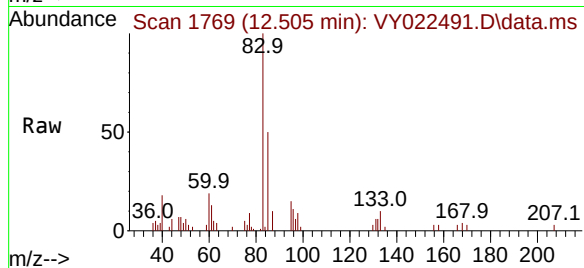
Tgt Ion: 43 Resp: 9632
Ion Ratio Lower Upper
43 100
70 45.9 34.2 51.2
55 25.1 18.2 27.4
61 23.9 19.0 28.6





#75
1,1,2-Tetrachloroethane
Concen: 4.359 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

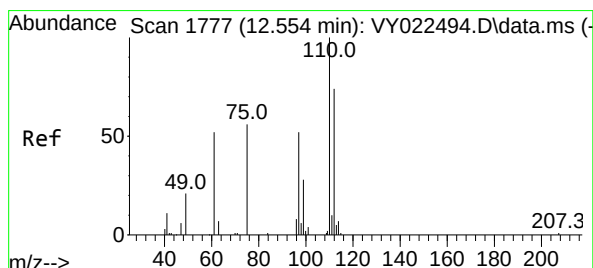
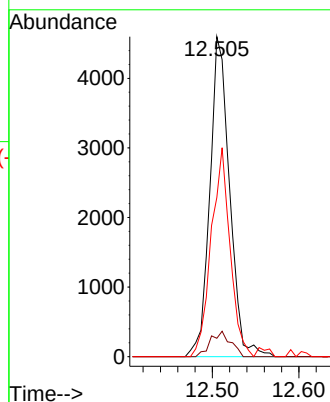
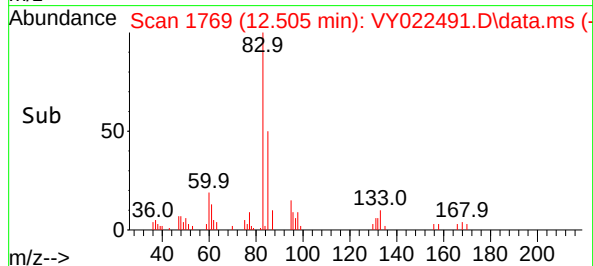
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 7289
Ion Ratio Lower Upper
83 100
131 8.1 4.9 14.7
85 62.4 32.6 97.8

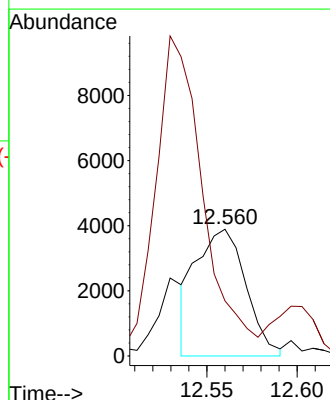
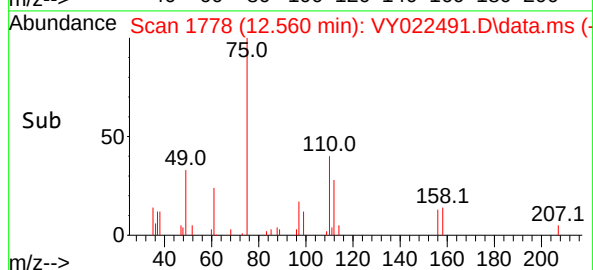
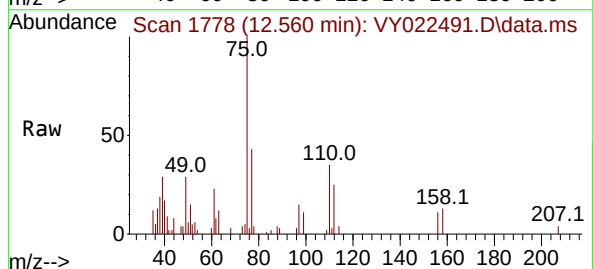
Manual Integrations
APPROVED

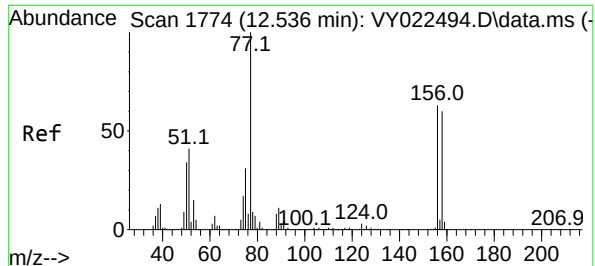
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#76
1,2,3-Trichloropropane
Concen: 4.432 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

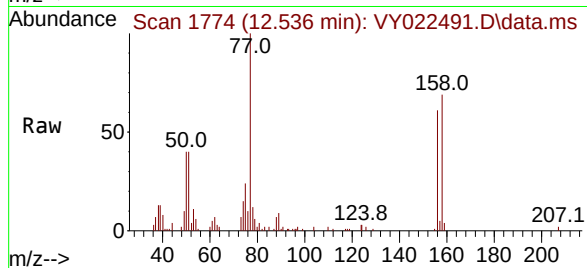
Tgt Ion: 75 Resp: 7478
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 4.234 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

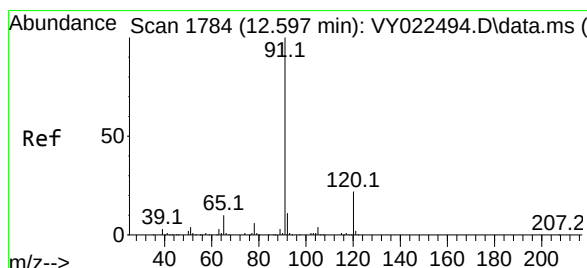
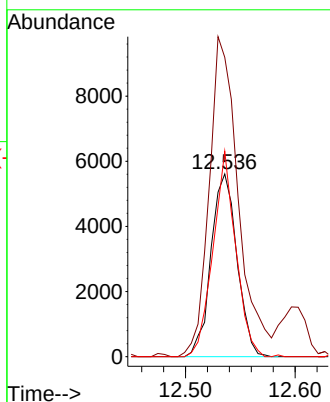
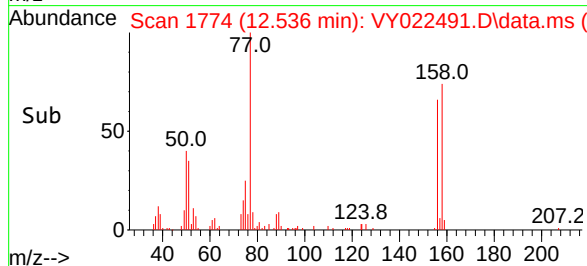
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion	Ratio	Lower	Upper
156	100		
77	196.5	94.0	282.1
158	98.9	48.2	144.6

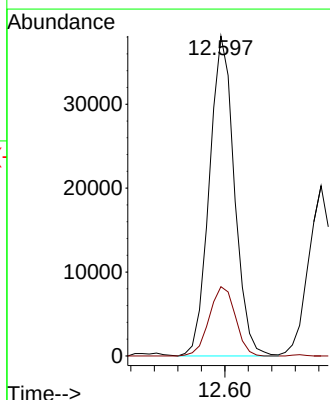
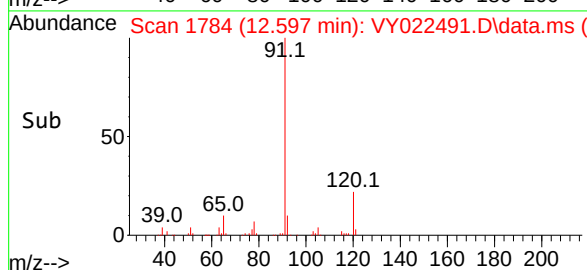
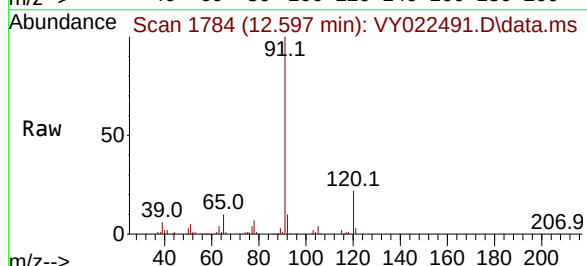
Manual Integrations
APPROVED

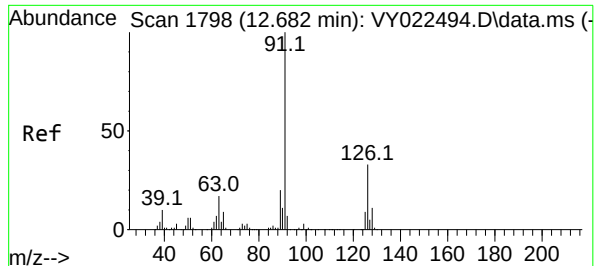
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#78
n-propylbenzene
Concen: 4.511 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4





#79

2-Chlorotoluene

Concen: 4.591 ug/l

RT: 12.682 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 3038

Ion Ratio Lower Upper

91 100

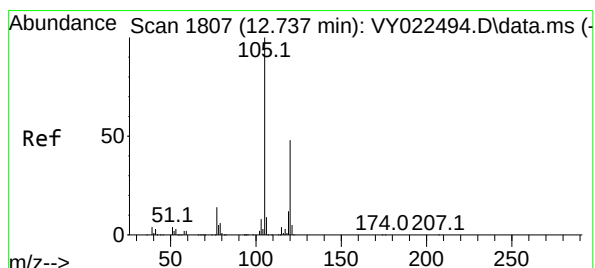
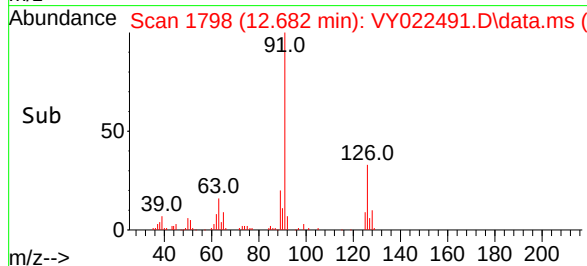
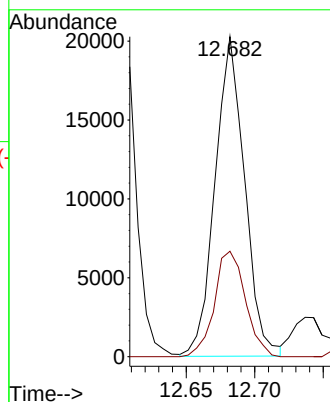
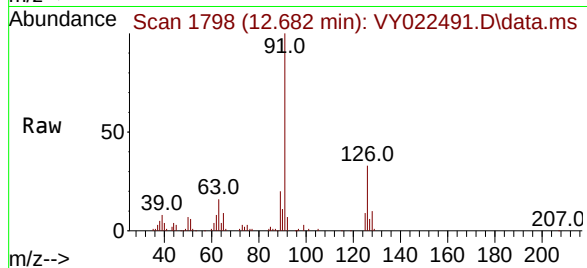
126 34.6 17.0 51.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.362 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022491.D

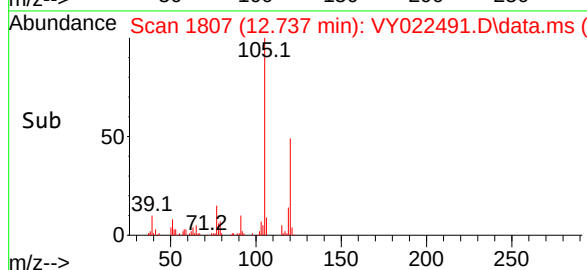
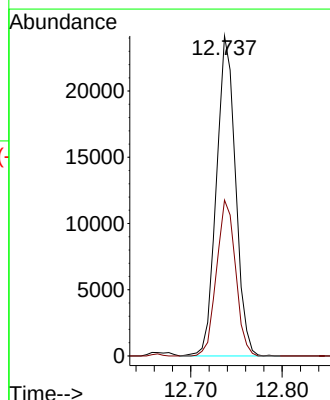
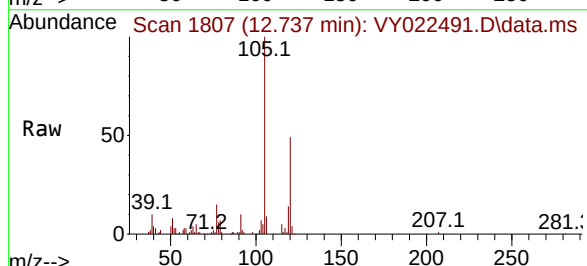
Acq: 02 Jun 2025 11:46

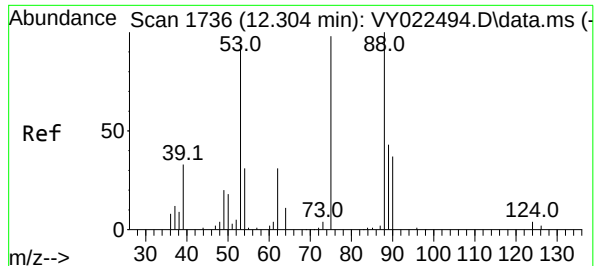
Tgt Ion:105 Resp: 35122

Ion Ratio Lower Upper

105 100

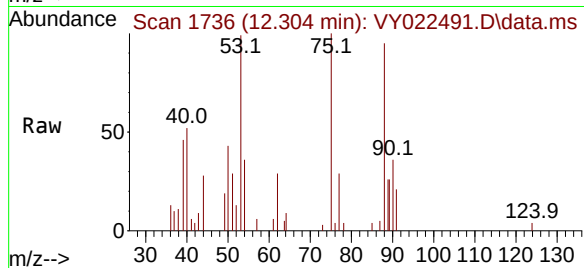
120 48.3 24.1 72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 4.411 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

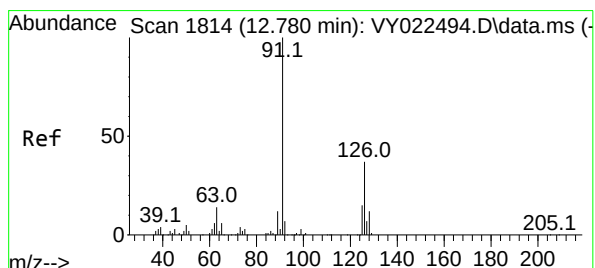
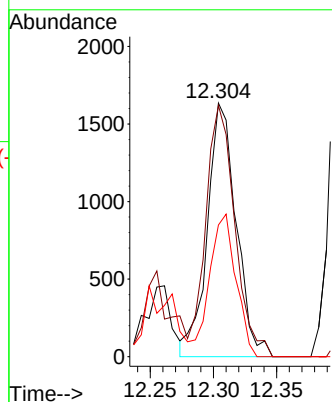
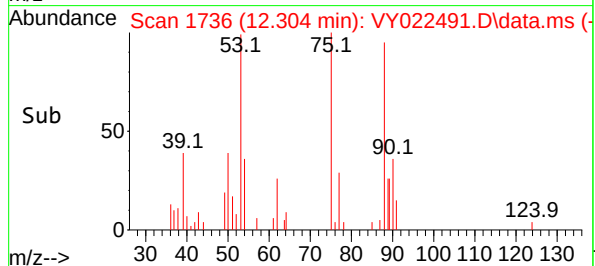
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 2590
Ion Ratio Lower Upper
75 100
53 99.3 78.5 117.7
89 51.7 35.7 53.5

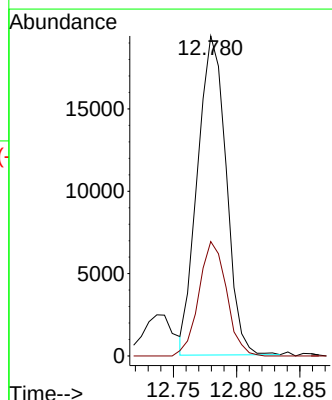
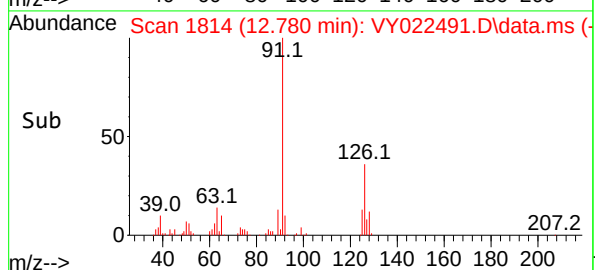
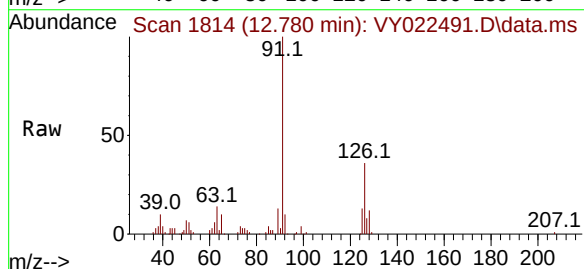
Manual Integrations
APPROVED

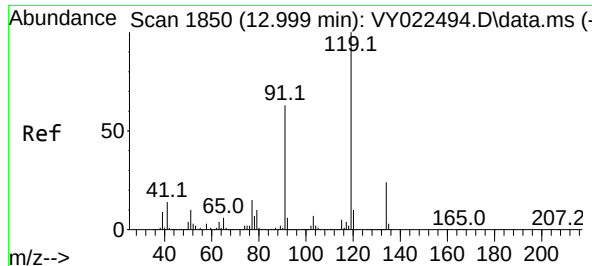
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#82
4-Chlorotoluene
Concen: 4.447 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 30501
Ion Ratio Lower Upper
91 100
126 34.6 17.0 50.9





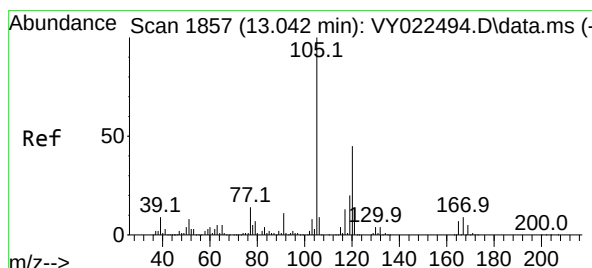
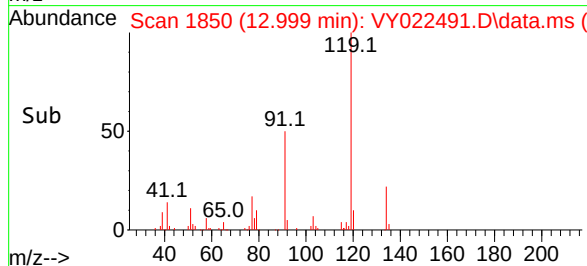
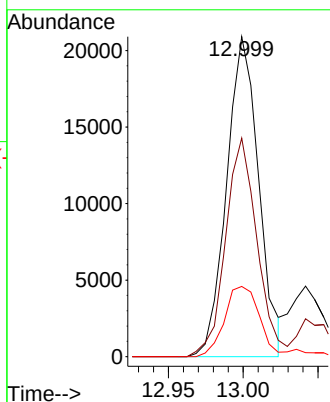
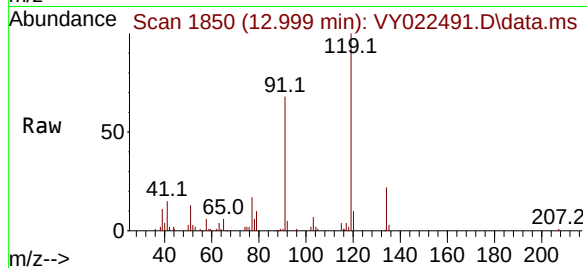
#83
tert-Butylbenzene
Concen: 4.252 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 3123
Ion Ratio Lower Upper
119 100
91 67.0 32.1 96.3
134 23.9 13.0 38.9

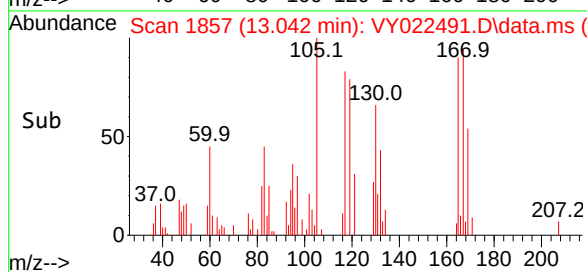
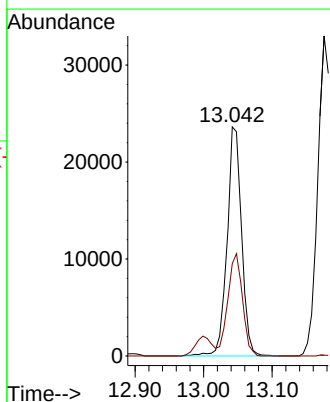
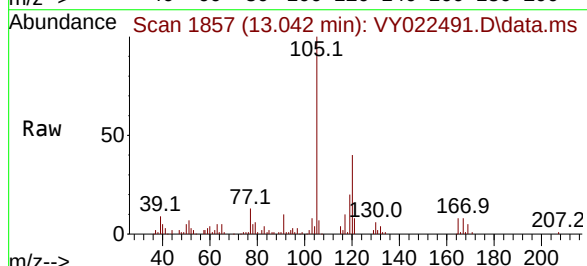
Manual Integrations
APPROVED

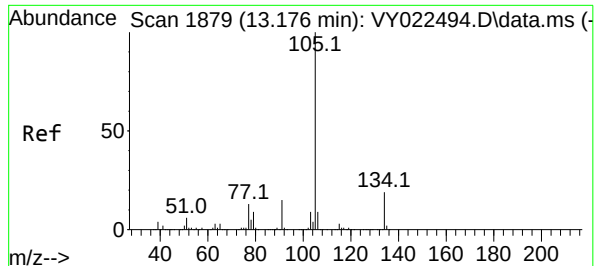
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#84
1,2,4-Trimethylbenzene
Concen: 4.314 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 34752
Ion Ratio Lower Upper
105 100
120 45.2 22.7 68.1





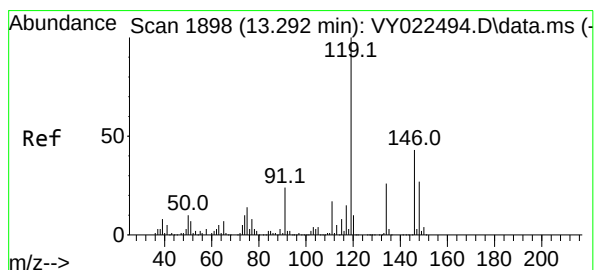
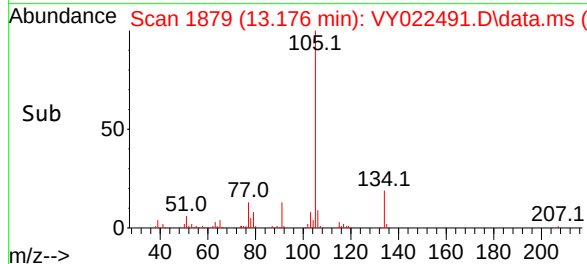
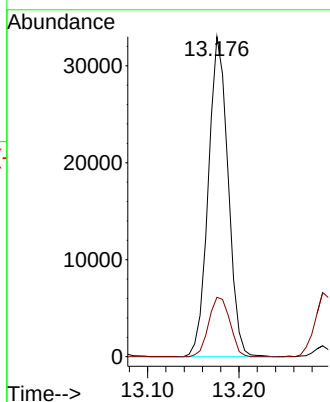
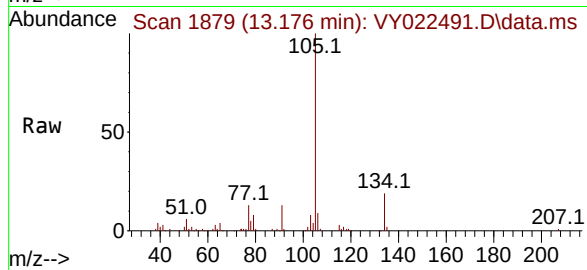
#85
sec-Butylbenzene
Concen: 4.449 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 49540
Ion Ratio Lower Upper
105 100
134 19.9 9.7 28.9

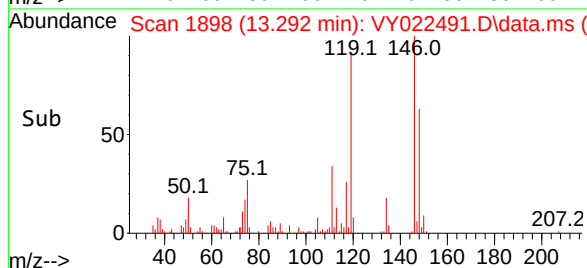
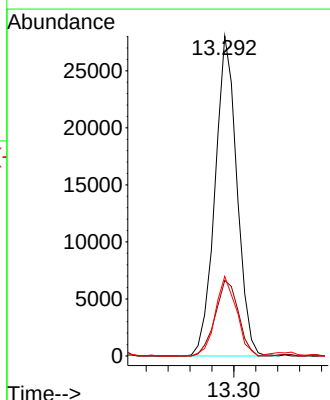
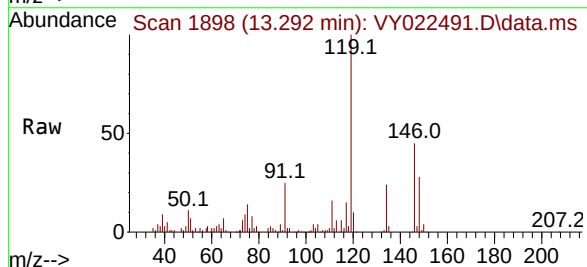
Manual Integrations
APPROVED

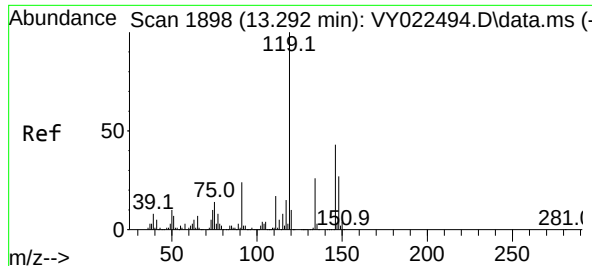
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#86
p-Isopropyltoluene
Concen: 4.240 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

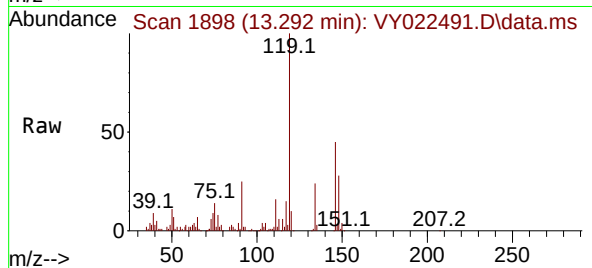
Tgt Ion:119 Resp: 38822
Ion Ratio Lower Upper
119 100
134 25.0 13.1 39.1
91 24.2 11.6 34.8





#87
1,3-Dichlorobenzene
Concen: 4.431 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

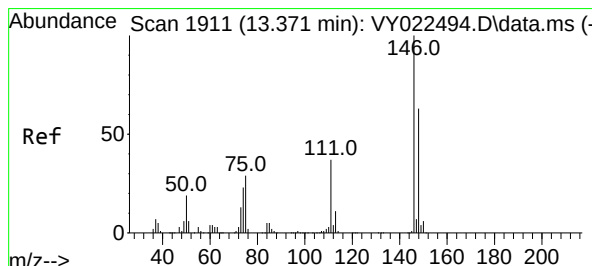
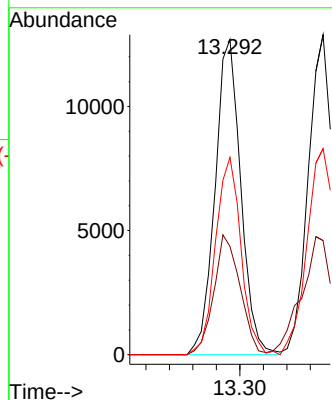
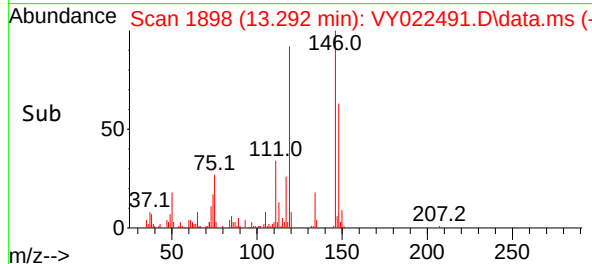
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:146 Resp: 19350
Ion Ratio Lower Upper
146 100
111 38.7 20.1 60.2
148 61.9 32.1 96.3

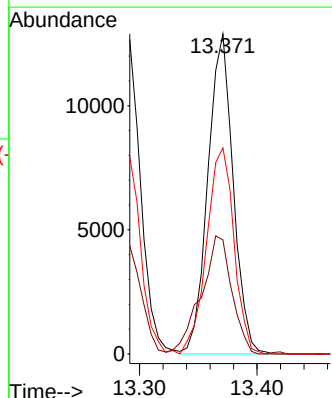
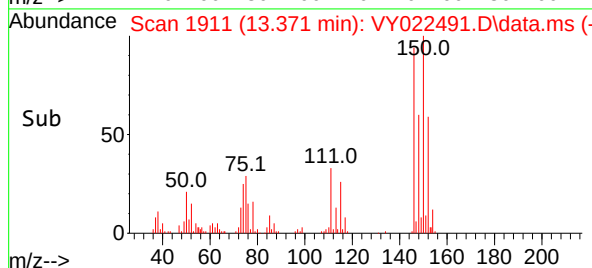
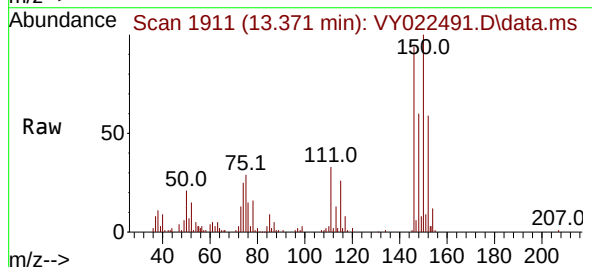
Manual Integrations
APPROVED

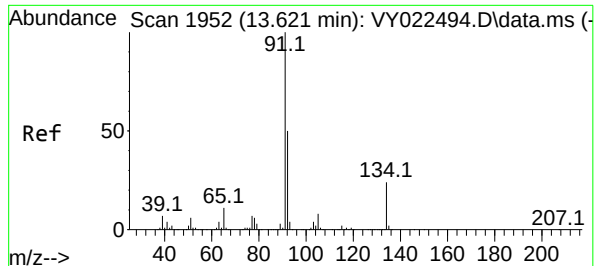
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#88
1,4-Dichlorobenzene
Concen: 4.529 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:146 Resp: 19268
Ion Ratio Lower Upper
146 100
111 44.9 19.4 58.2
148 69.5 31.6 94.8





#89

n-Butylbenzene

Concen: 4.333 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

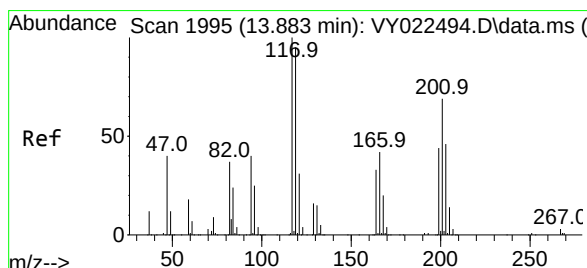
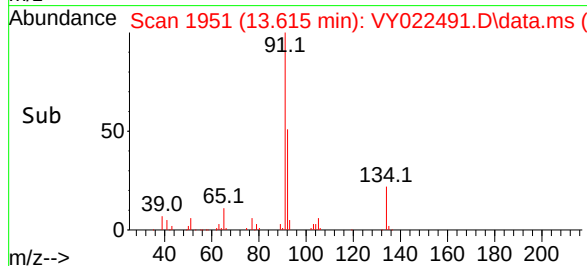
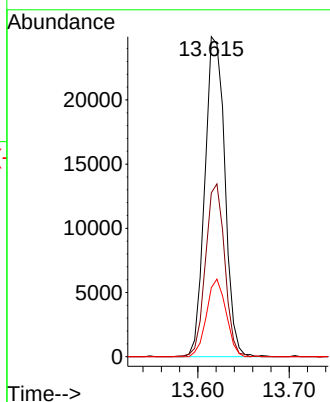
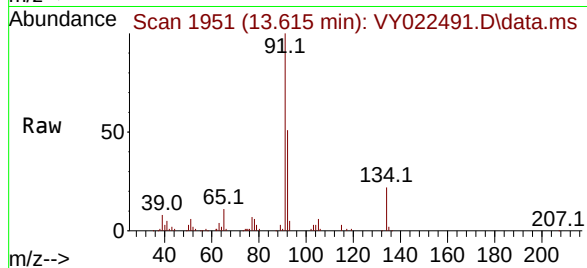
VSTDIC005

Tgt Ion: 91	Resp: 37774
Ion Ratio	Lower Upper
91 100	
92 52.0	25.9 77.8
134 23.8	12.0 36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#90

Hexachloroethane

Concen: 4.506 ug/l

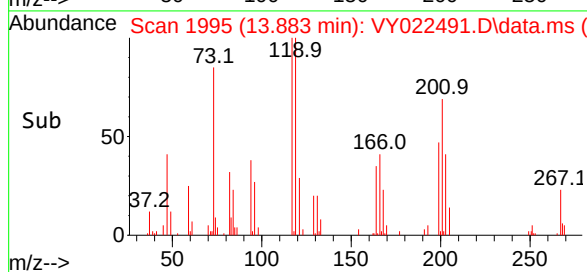
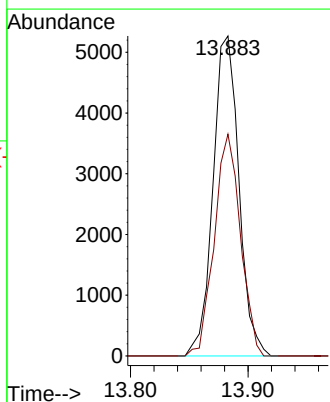
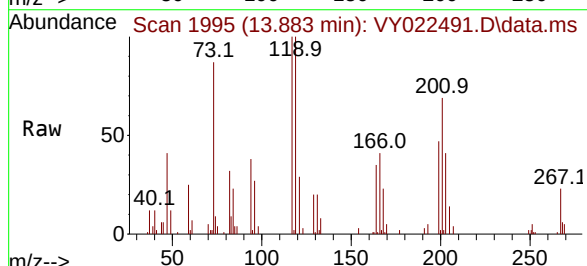
RT: 13.883 min Scan# 1995

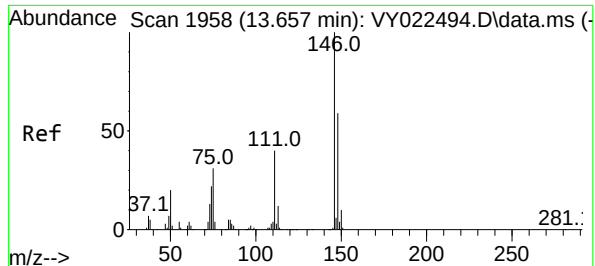
Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

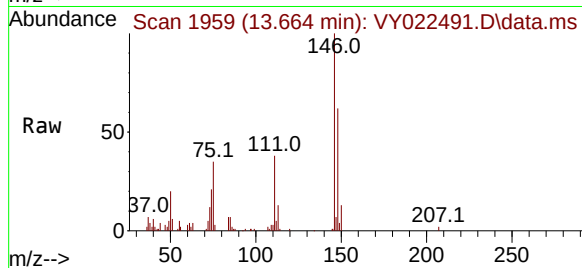
Tgt Ion:117	Resp: 8072
Ion Ratio	Lower Upper
117 100	
201 69.9	34.0 102.0





#91
1,2-Dichlorobenzene
Concen: 4.244 ug/l
RT: 13.664 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

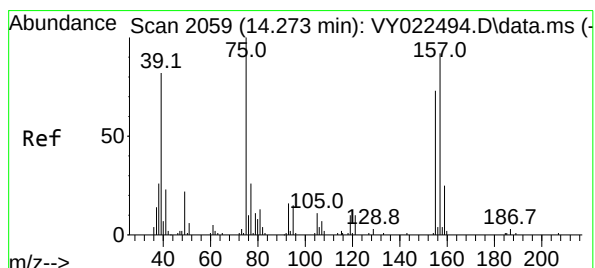
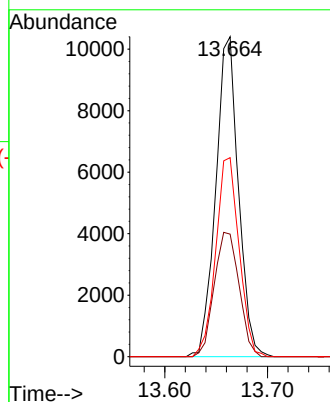
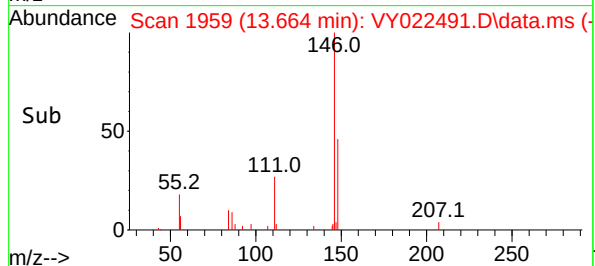
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



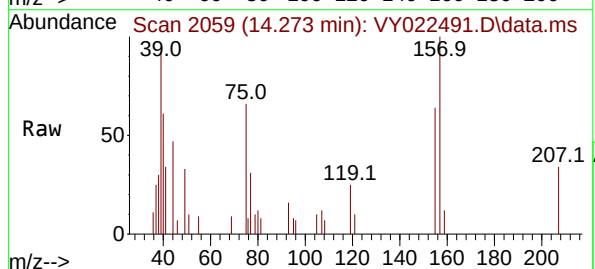
Tgt Ion:146 Resp: 1592
Ion Ratio Lower Upper
146 100
111 42.6 20.2 60.6
148 64.0 31.4 94.0

Manual Integrations
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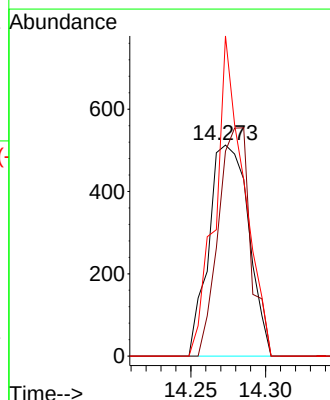
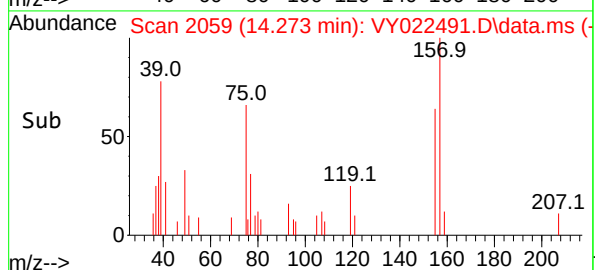
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

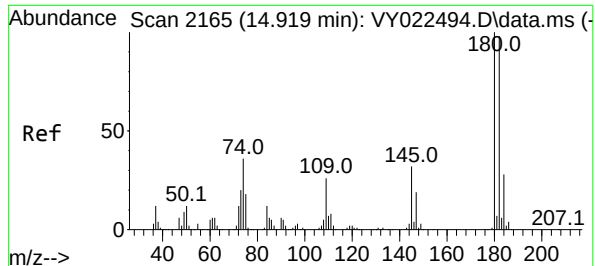


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.754 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46



Tgt Ion: 75 Resp: 949
Ion Ratio Lower Upper
75 100
155 87.0 39.9 119.6
157 109.5 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 4.159 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:180 Resp: 8529

Ion Ratio Lower Upper

180 100

182 101.9 48.4 145.3

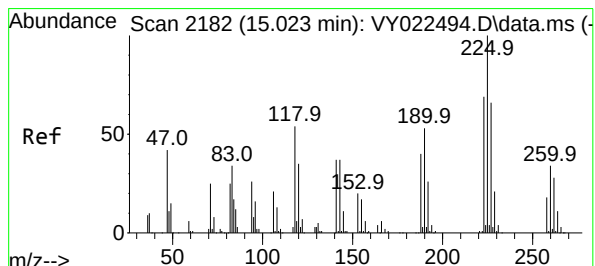
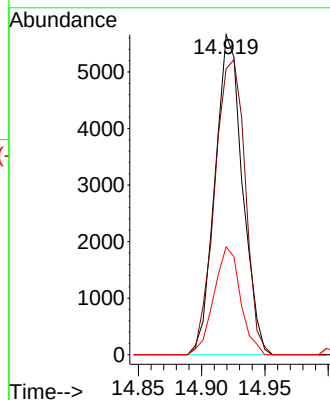
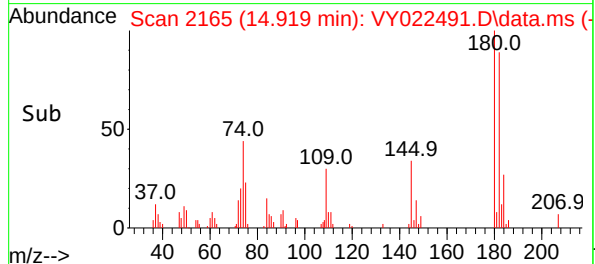
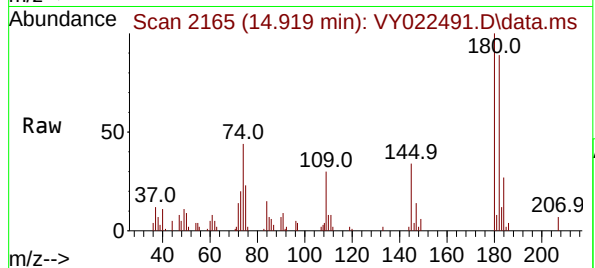
145 32.6 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#94

Hexachlorobutadiene

Concen: 5.024 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

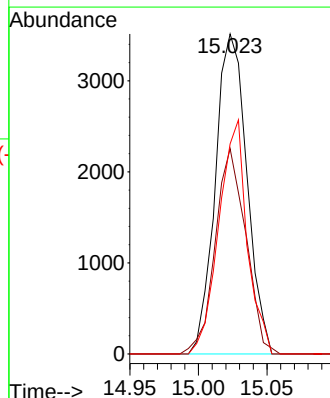
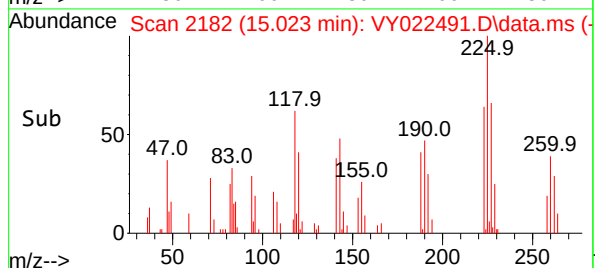
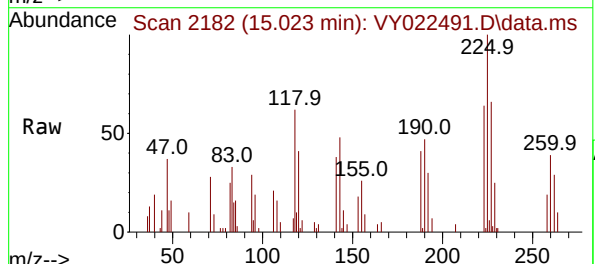
Tgt Ion:225 Resp: 5627

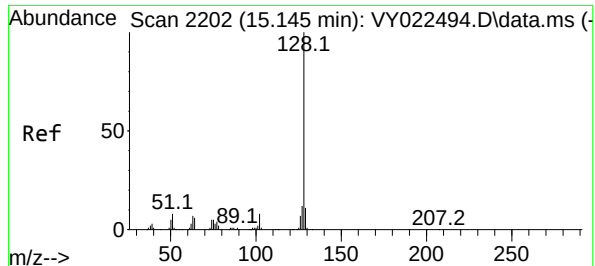
Ion Ratio Lower Upper

225 100

223 62.4 32.5 97.4

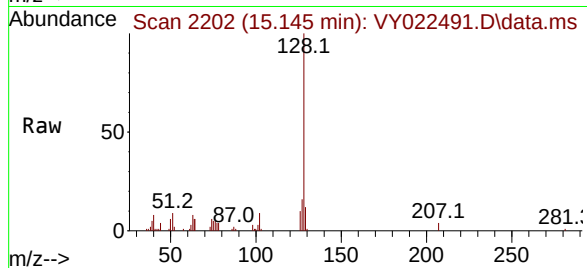
227 65.6 32.3 96.9





#95
Naphthalene
Concen: 3.859 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

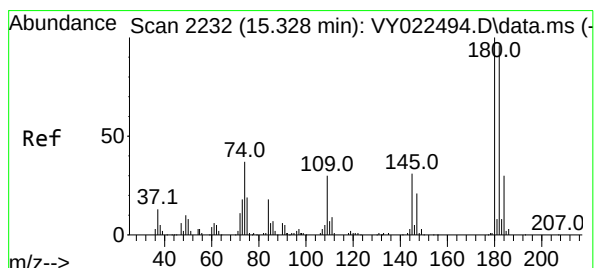
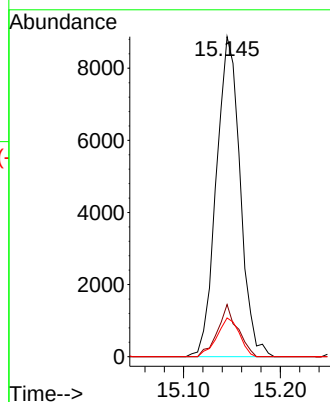
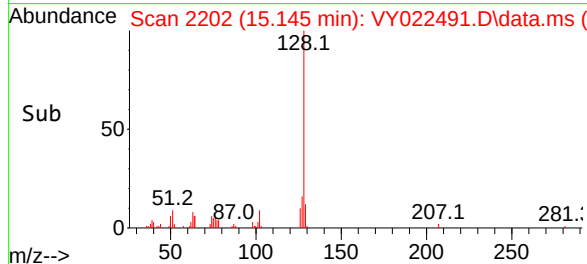
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



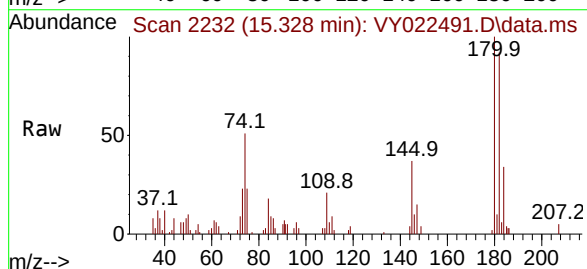
Tgt Ion:128 Resp: 1516
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 11.4 8.9 13.3

Manual Integrations
APPROVED

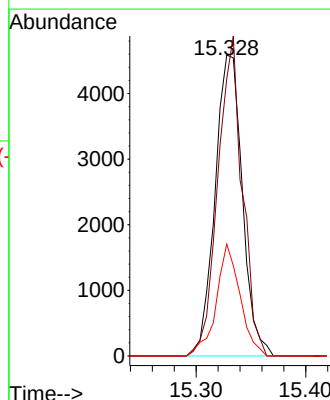
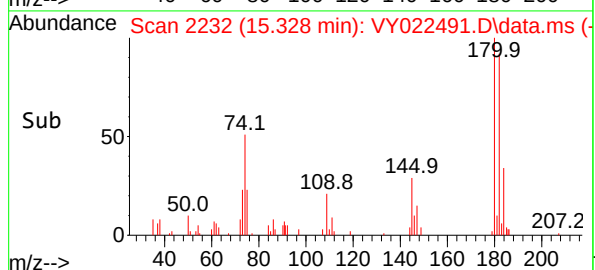
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.563 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46



Tgt Ion:180 Resp: 7952
Ion Ratio Lower Upper
180 100
182 94.7 47.1 141.3
145 32.5 15.2 45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022492.D
 Acq On : 02 Jun 2025 12:09
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	211235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	366386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	302825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24246	10.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.100%#		
35) Dibromofluoromethane	7.646	113	20743	9.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.240%#		
50) Toluene-d8	10.109	98	86561	9.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.860%#		
62) 4-Bromofluorobenzene	12.408	95	24870	9.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.820%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	22911	12.412	ug/l	99
3) Chloromethane	2.068	50	67191	12.339	ug/l	99
4) Vinyl Chloride	2.202	62	76656	12.027	ug/l	97
5) Bromomethane	2.598	94	73289	12.157	ug/l	99
6) Chloroethane	2.739	64	53992	12.374	ug/l	99
7) Trichlorofluoromethane	3.056	101	63044	11.642	ug/l	97
8) Diethyl Ether	3.458	74	14144	11.826	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	25997	11.445	ug/l	99
10) Methyl Iodide	4.007	142	25590	10.505	ug/l	99
11) Tert butyl alcohol	4.891	59	9732	59.275	ug/l #	73
12) 1,1-Dichloroethene	3.799	96	24370	11.240	ug/l	99
13) Acrolein	3.671	56	9650	48.151	ug/l	94
14) Allyl chloride	4.391	41	38482	11.389	ug/l	95
15) Acrylonitrile	5.073	53	29150	57.299	ug/l	99
16) Acetone	3.885	43	25066	55.166	ug/l	98
17) Carbon Disulfide	4.110	76	79008	11.413	ug/l	99
18) Methyl Acetate	4.397	43	17228	12.603	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	68336	11.296	ug/l	95
20) Methylene Chloride	4.622	84	29569	11.655	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	27493	11.350	ug/l	88
22) Diisopropyl ether	6.031	45	83814	11.156	ug/l	96
23) Vinyl Acetate	5.970	43	241364	54.152	ug/l	99
24) 1,1-Dichloroethane	5.927	63	50391	11.346	ug/l	96
25) 2-Butanone	6.909	43	36756	54.840	ug/l	95
26) 2,2-Dichloropropane	6.890	77	43605	11.045	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	30873	11.028	ug/l	99
28) Bromochloromethane	7.256	49	20132	10.491	ug/l	99
29) Tetrahydrofuran	7.274	42	25001	57.822	ug/l	97
30) Chloroform	7.427	83	49990	11.391	ug/l	89
31) Cyclohexane	7.707	56	51050	11.422	ug/l #	95
32) 1,1,1-Trichloroethane	7.628	97	43454	11.080	ug/l	97
36) 1,1-Dichloropropene	7.841	75	37532	10.765	ug/l	99
37) Ethyl Acetate	6.994	43	15914	10.371	ug/l #	93
38) Carbon Tetrachloride	7.829	117	37794	10.515	ug/l	100
39) Methylcyclohexane	9.115	83	49413	10.491	ug/l	97
40) Benzene	8.085	78	108934	10.600	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022492.D
 Acq On : 02 Jun 2025 12:09
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	9043m	9.151	ug/l	
42) 1,2-Dichloroethane	8.164	62	31102	11.125	ug/l	99
43) Isopropyl Acetate	8.201	43	36411	10.859	ug/l	97
44) Trichloroethene	8.865	130	28431	11.325	ug/l	91
45) 1,2-Dichloropropane	9.146	63	26665	10.884	ug/l	97
46) Dibromomethane	9.237	93	14601m	10.637	ug/l	
47) Bromodichloromethane	9.426	83	38475	11.048	ug/l	96
48) Methyl methacrylate	9.225	41	16122	10.501	ug/l	98
49) 1,4-Dioxane	9.243	88	3535	215.881	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	88634	53.259	ug/l	100
52) Toluene	10.176	92	68265	10.565	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	34307	10.649	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	40229	10.649	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	18848	10.904	ug/l	94
56) Ethyl methacrylate	10.444	69	26171	10.426	ug/l	97
57) 1,3-Dichloropropane	10.719	76	33836	10.991	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	52396	46.819	ug/l	99
59) 2-Hexanone	10.761	43	57738	52.045	ug/l	100
60) Dibromochloromethane	10.914	129	23423	10.694	ug/l	99
61) 1,2-Dibromoethane	11.018	107	17302	10.847	ug/l	96
64) Tetrachloroethene	10.652	164	28680	11.144	ug/l	97
65) Chlorobenzene	11.444	112	70845	10.789	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	23209	10.427	ug/l	96
67) Ethyl Benzene	11.524	91	126556	10.350	ug/l	100
68) m/p-Xylenes	11.633	106	94535	20.427	ug/l	99
69) o-Xylene	11.956	106	45374	10.476	ug/l	99
70) Styrene	11.975	104	72373	10.092	ug/l	98
71) Bromoform	12.133	173	12637	10.804	ug/l #	99
73) Isopropylbenzene	12.255	105	118344	10.695	ug/l	99
74) N-amyl acetate	12.072	43	29609	10.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	20264	11.276	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	16751m	9.239	ug/l	
77) Bromobenzene	12.536	156	25392	10.827	ug/l	98
78) n-propylbenzene	12.597	91	143414	10.648	ug/l	100
79) 2-Chlorotoluene	12.682	91	75325	10.591	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	91121	10.532	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	7009	11.084	ug/l	96
82) 4-Chlorotoluene	12.779	91	78689	10.676	ug/l	100
83) tert-Butylbenzene	12.999	119	81823	10.367	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	90848	10.495	ug/l	98
85) sec-Butylbenzene	13.176	105	127776	10.678	ug/l	100
86) p-Isopropyltoluene	13.291	119	99940	10.158	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	48971	10.437	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	49834	10.900	ug/l	98
89) n-Butylbenzene	13.621	91	97544	10.413	ug/l	99
90) Hexachloroethane	13.877	117	20466	10.631	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	43460	10.781	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3014	11.095	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	23710	10.760	ug/l	98
94) Hexachlorobutadiene	15.023	225	13179	10.951	ug/l	99
95) Naphthalene	15.145	128	44061	10.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	19814	10.581	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

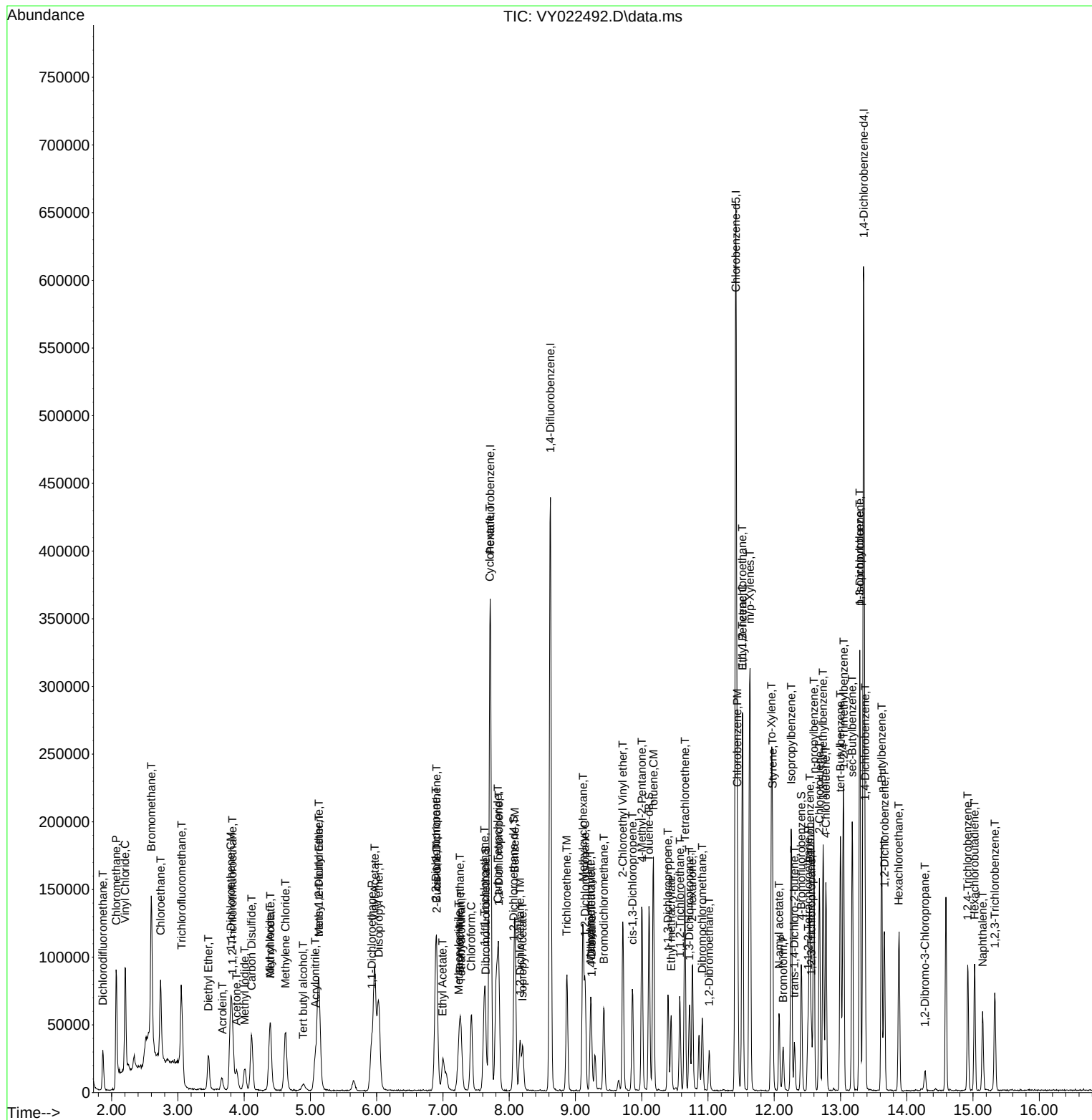
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Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

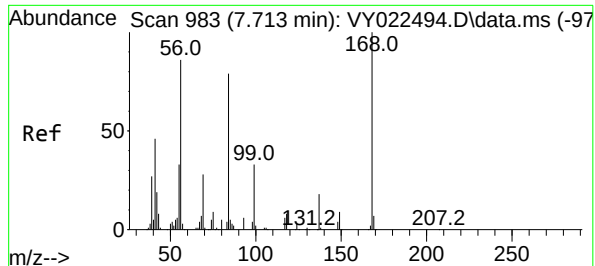
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

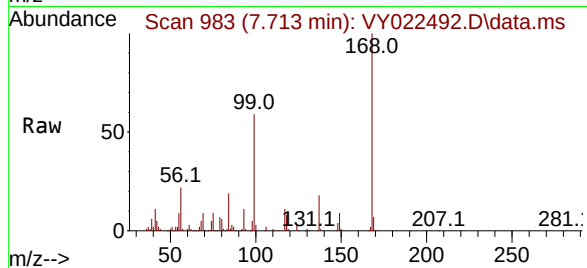
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Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

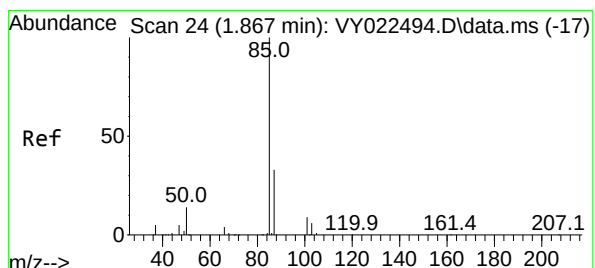
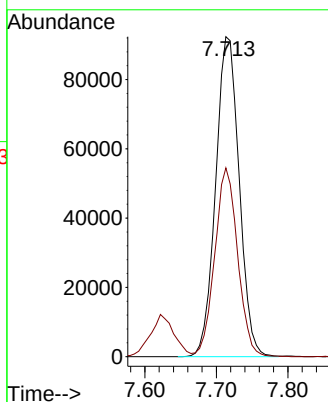
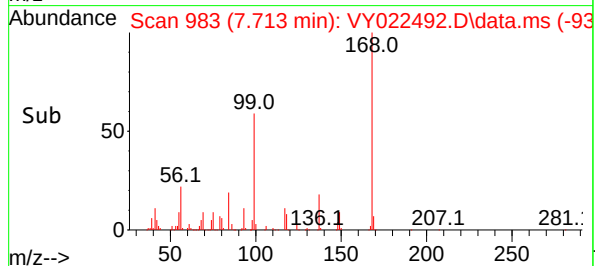
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:168 Resp: 211235
Ion Ratio Lower Upper
168 100
99 58.9 44.3 66.5

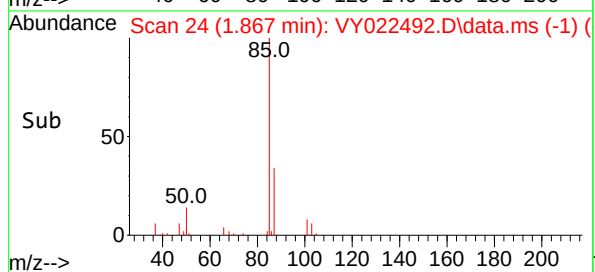
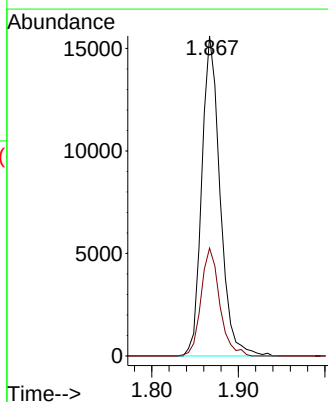
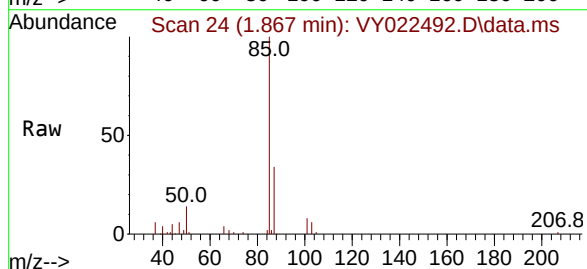
Manual Integrations
APPROVED

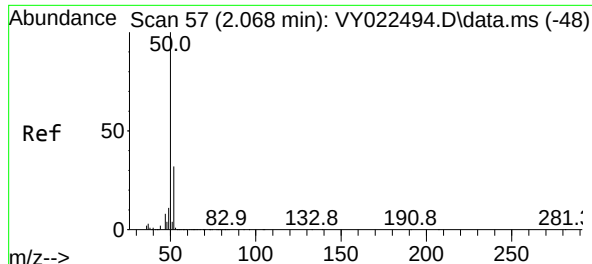
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#2
Dichlorodifluoromethane
Concen: 12.412 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

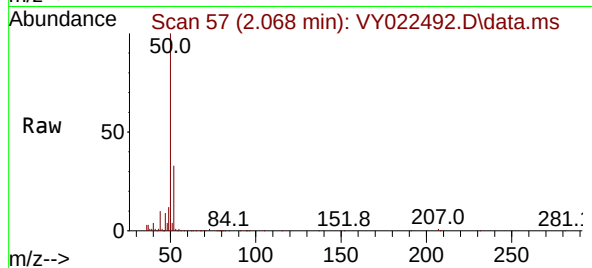
Tgt Ion: 85 Resp: 22911
Ion Ratio Lower Upper
85 100
87 33.7 16.7 50.0





#3
Chloromethane
Concen: 12.339 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

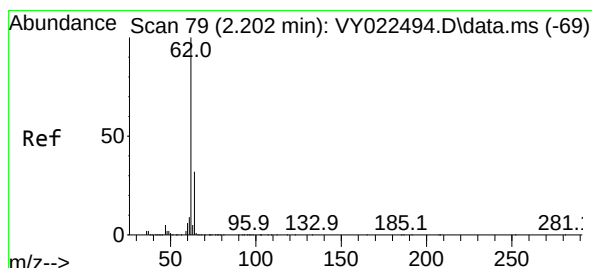
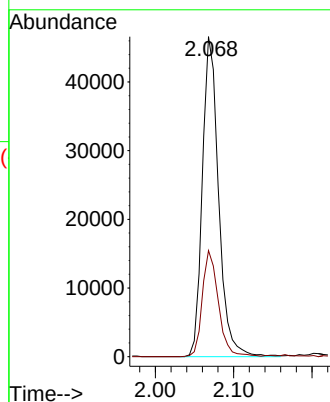
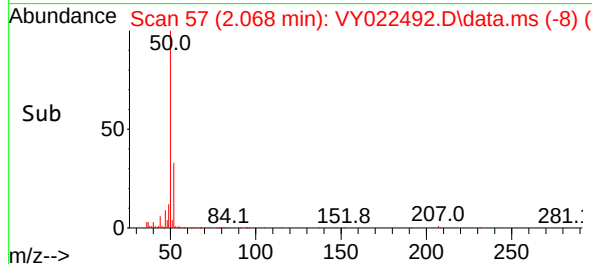
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 50 Resp: 6719
Ion Ratio Lower Upper
50 100
52 33.1 26.0 39.0

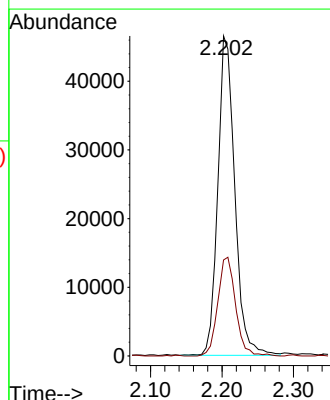
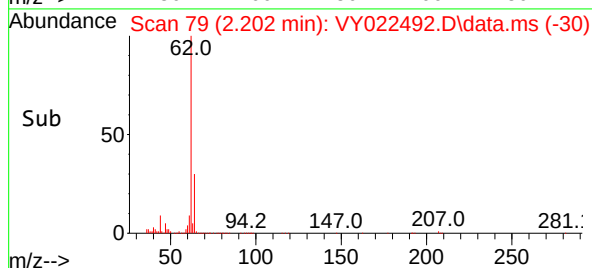
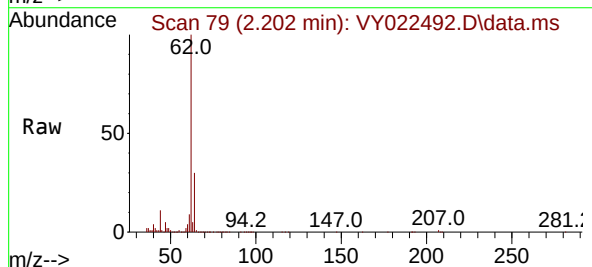
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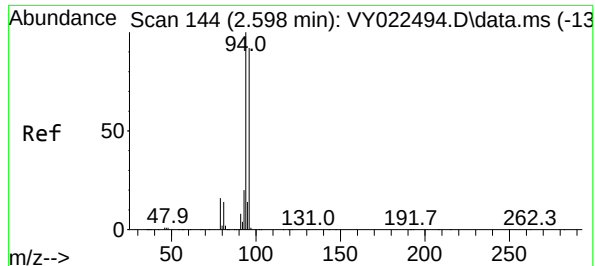
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#4
Vinyl Chloride
Concen: 12.027 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 76656
Ion Ratio Lower Upper
62 100
64 30.1 25.3 37.9





#5

Bromomethane

Concen: 12.157 ug/l

RT: 2.598 min Scan# 144

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 73289

Ion Ratio Lower Upper

94 100

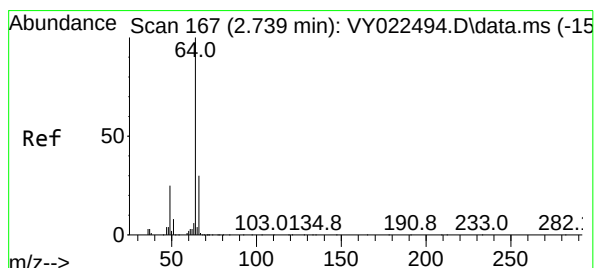
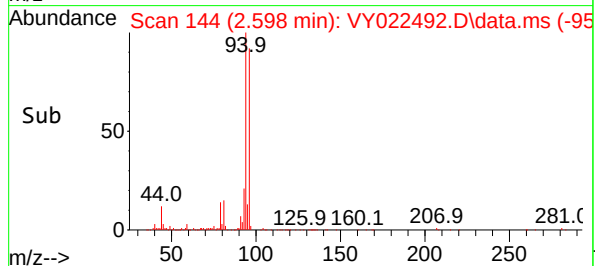
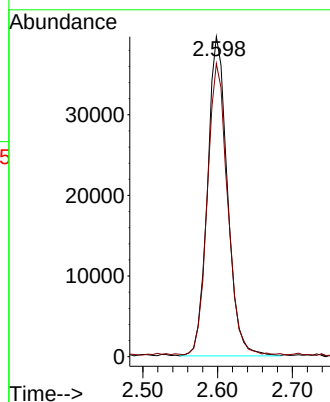
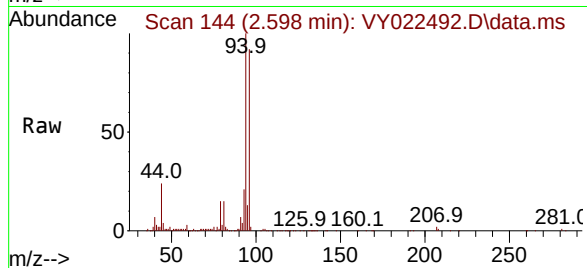
96 91.1 74.0 111.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#6

Chloroethane

Concen: 12.374 ug/l

RT: 2.739 min Scan# 167

Delta R.T. -0.000 min

Lab File: VY022492.D

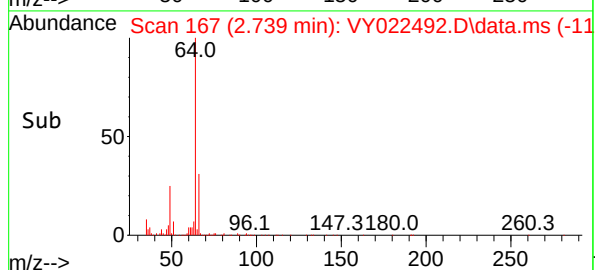
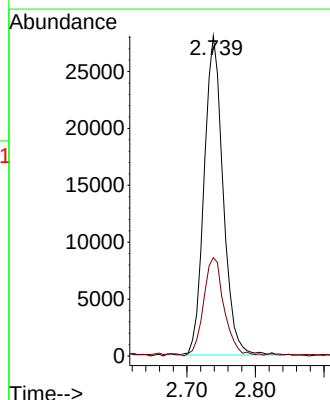
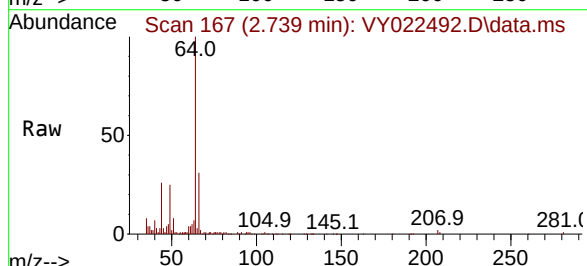
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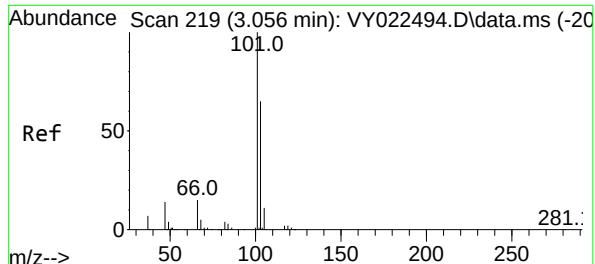
Tgt Ion: 64 Resp: 53992

Ion Ratio Lower Upper

64 100

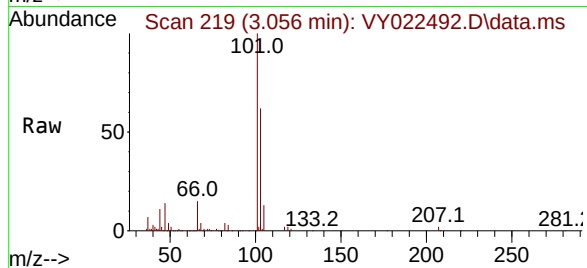
66 30.3 23.8 35.6





#7
Trichlorofluoromethane
Concen: 11.642 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

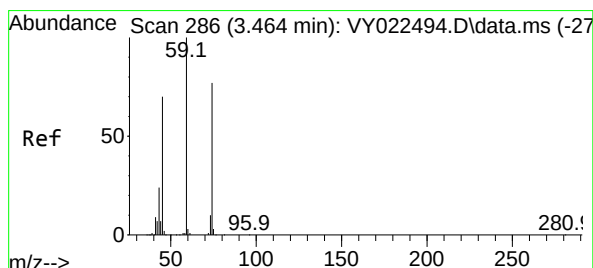
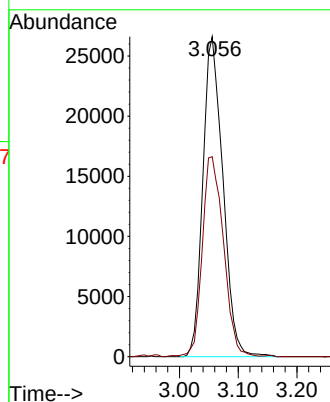
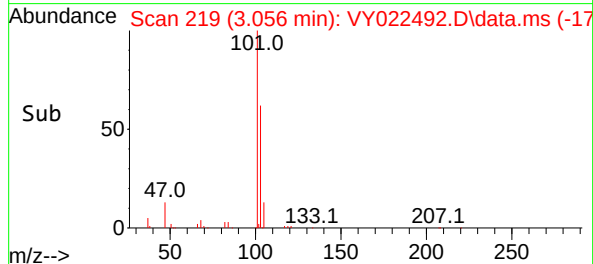
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



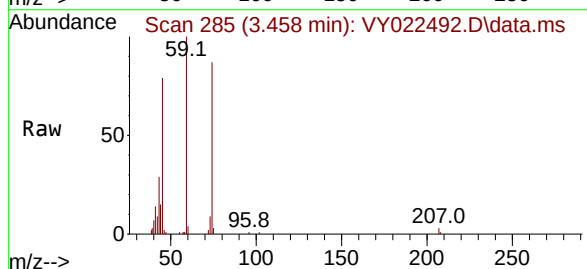
Tgt Ion:101 Resp: 63044
Ion Ratio Lower Upper
101 100
103 62.5 52.2 78.2

Manual Integrations
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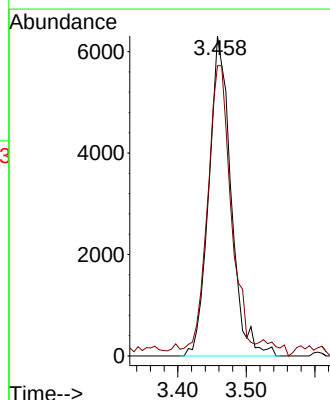
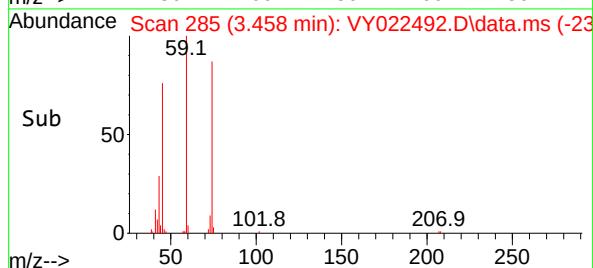
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

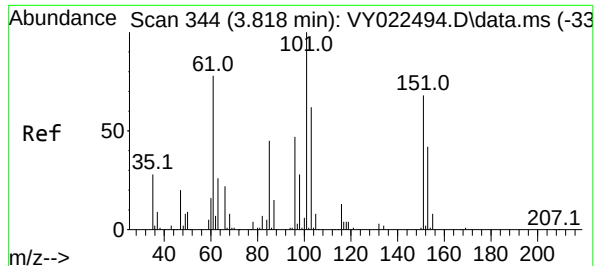


#8
Diethyl Ether
Concen: 11.826 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



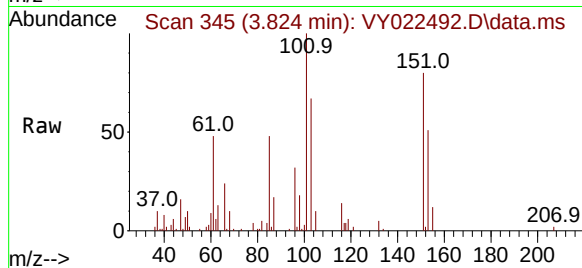
Tgt Ion: 74 Resp: 14144
Ion Ratio Lower Upper
74 100
45 91.9 45.9 137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.445 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

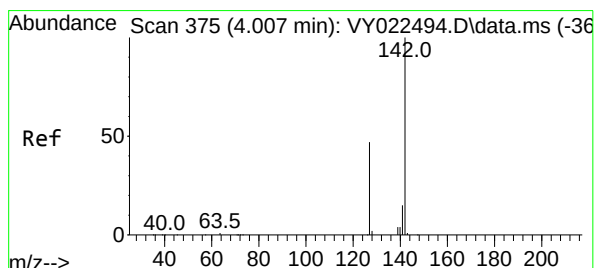
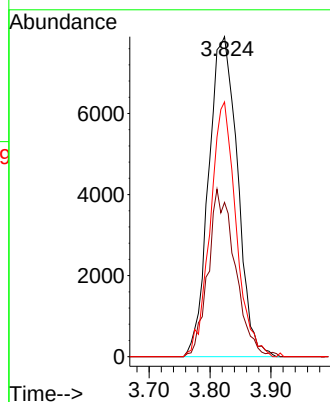
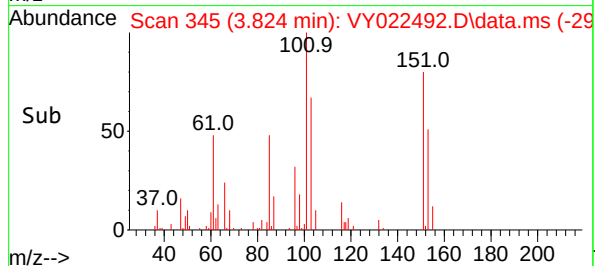
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:101 Resp: 2599
Ion Ratio Lower Upper
101 100
85 48.6 39.3 58.9
151 71.3 57.8 86.8

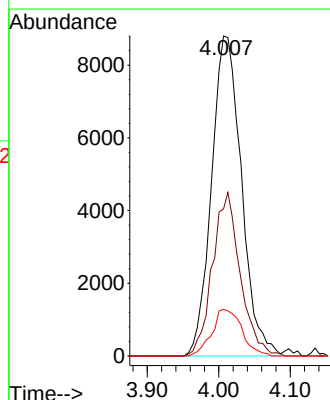
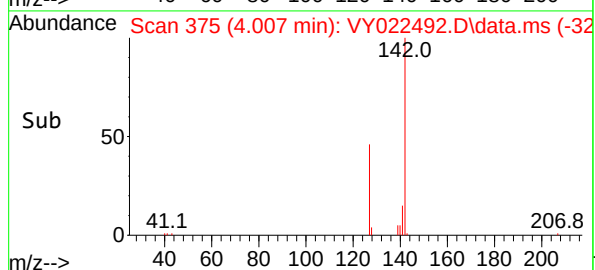
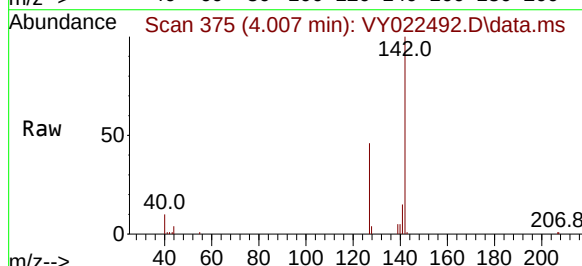
Manual Integrations
APPROVED

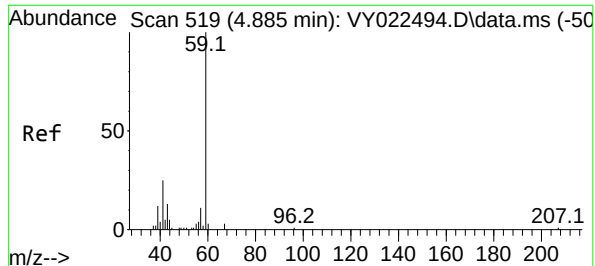
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#10
Methyl Iodide
Concen: 10.505 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:142 Resp: 25590
Ion Ratio Lower Upper
142 100
127 47.3 37.1 55.7
141 14.6 11.4 17.2





#11

Tert butyl alcohol

Concen: 59.275 ug/l

RT: 4.891 min Scan# 519

Delta R.T. 0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 9732

Ion Ratio Lower Upper

59 100

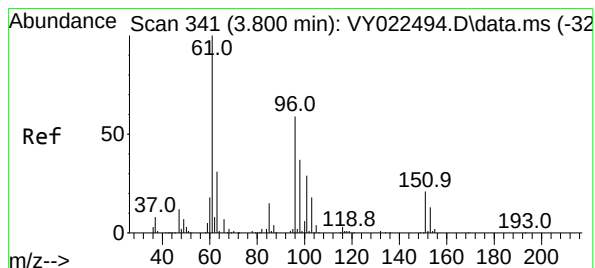
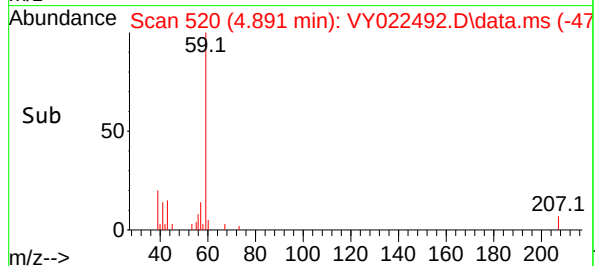
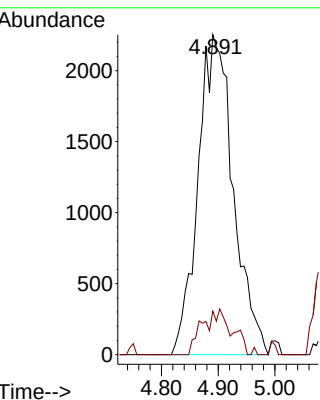
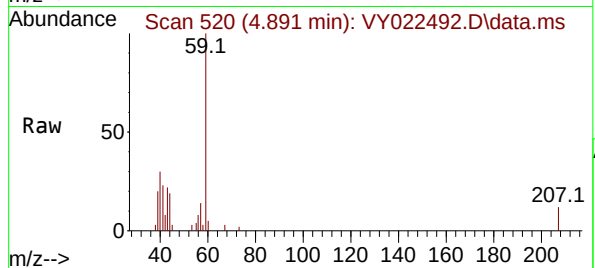
57 0.0 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#12

1,1-Dichloroethene

Concen: 11.240 ug/l

RT: 3.799 min Scan# 341

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

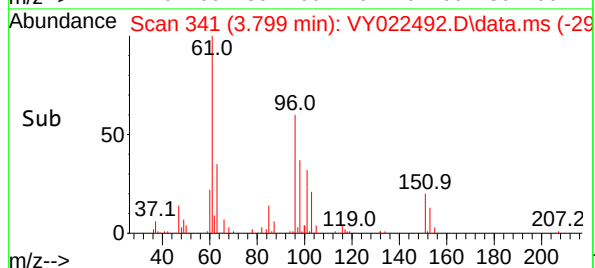
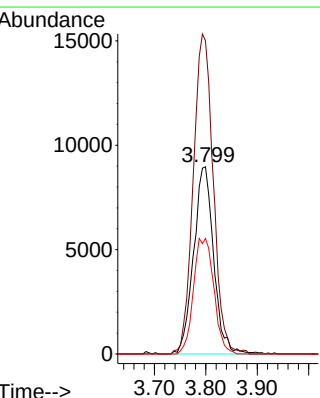
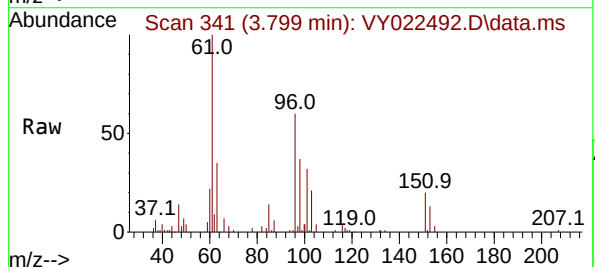
Tgt Ion: 96 Resp: 24370

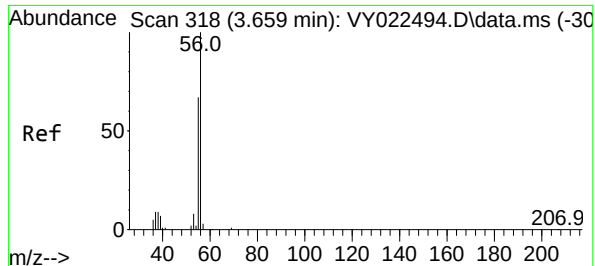
Ion Ratio Lower Upper

96 100

61 167.3 134.6 201.8

98 61.7 50.2 75.4





#13

Acrolein

Concen: 48.151 ug/l

RT: 3.671 min Scan# 318

Delta R.T. 0.012 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 9650

Ion Ratio Lower Upper

56 100

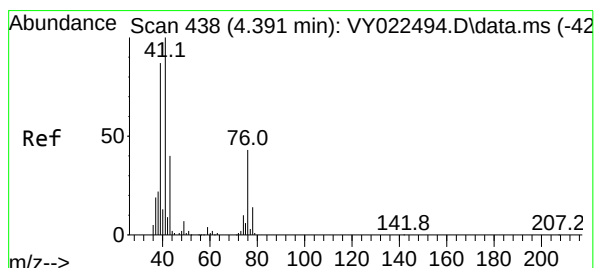
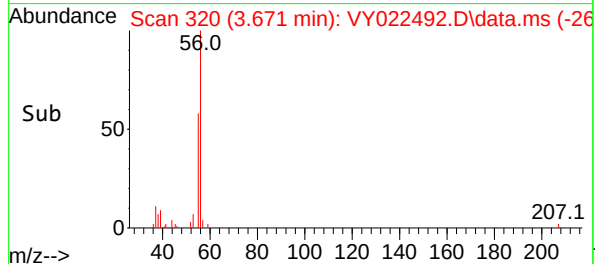
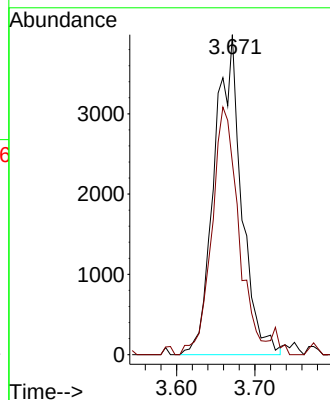
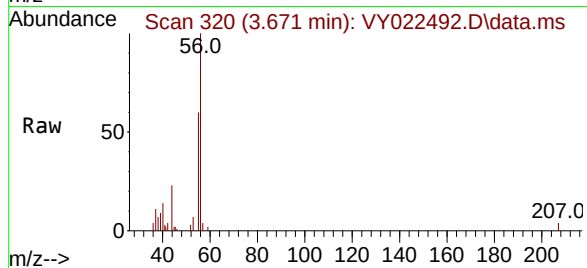
55 76.0 57.0 85.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#14

Allyl chloride

Concen: 11.389 ug/l

RT: 4.391 min Scan# 438

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

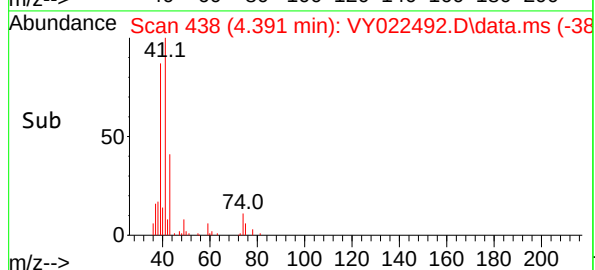
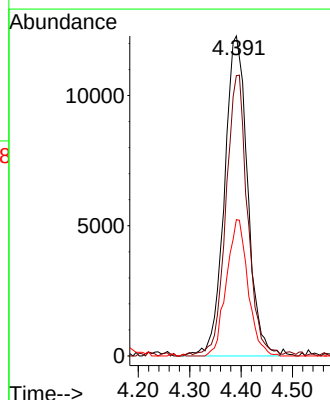
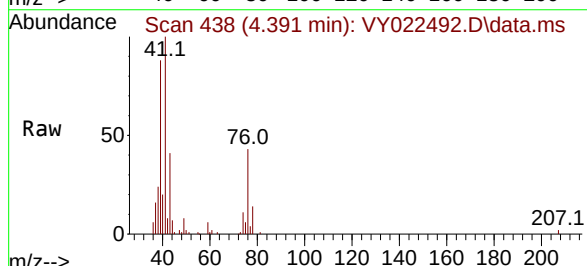
Tgt Ion: 41 Resp: 38482

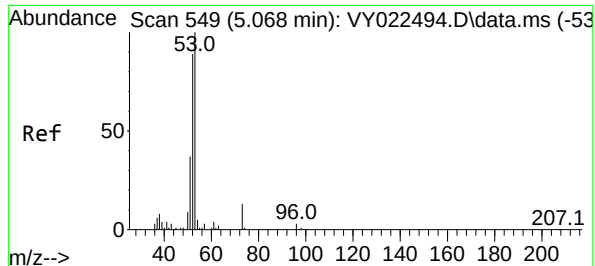
Ion Ratio Lower Upper

41 100

39 80.5 69.1 103.7

76 39.7 33.5 50.3





#15

Acrylonitrile

Concen: 57.299 ug/l

RT: 5.073 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022492.D

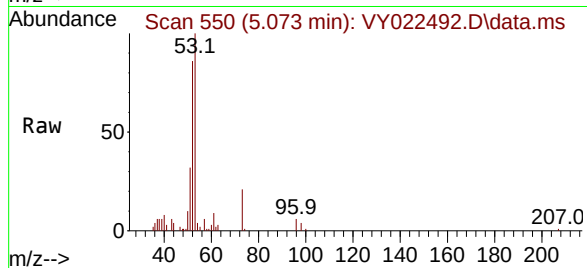
Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

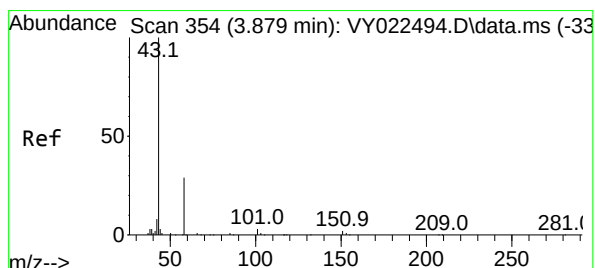
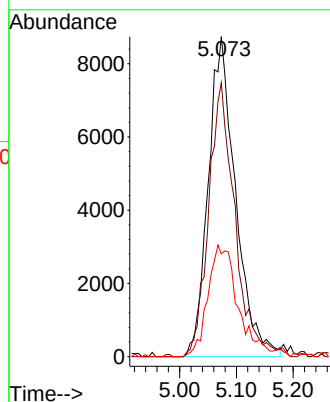
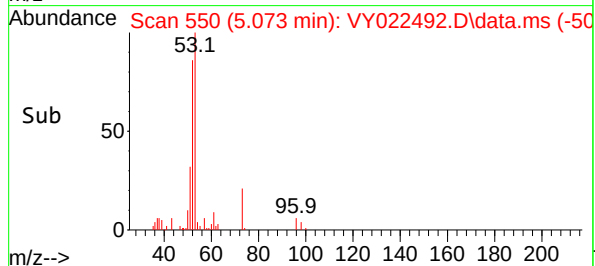


Tgt Ion:	53	Resp:	29150
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	38.3	30.1	45.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#16

Acetone

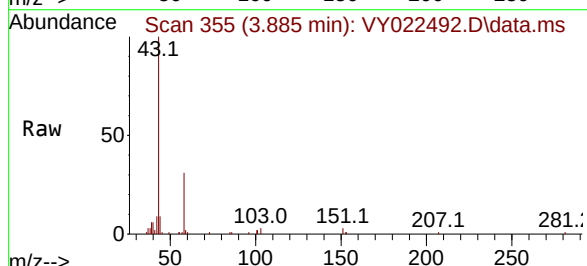
Concen: 55.166 ug/l

RT: 3.885 min Scan# 355

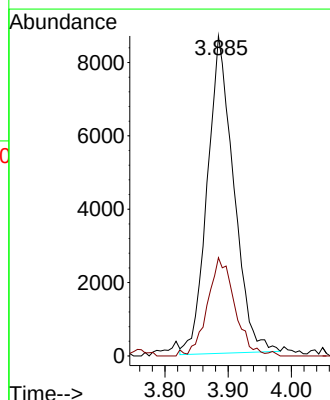
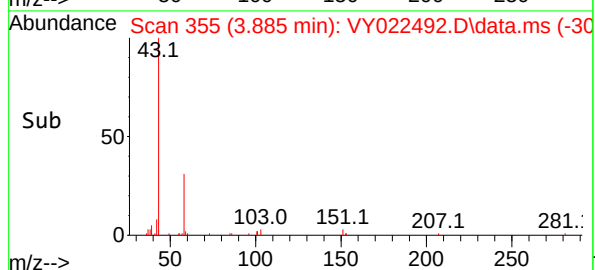
Delta R.T. 0.006 min

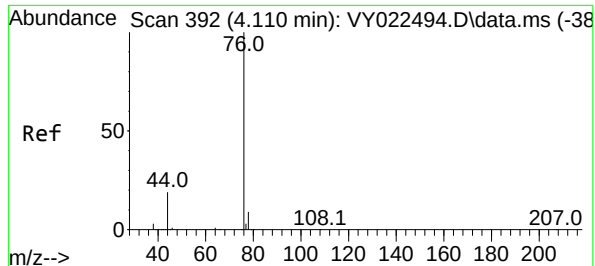
Lab File: VY022492.D

Acq: 02 Jun 2025 12:09



Tgt Ion:	43	Resp:	25066
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.0	36.0





#17

Carbon Disulfide

Concen: 11.413 ug/l

RT: 4.110 min Scan# 392

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 79008

Ion Ratio Lower Upper

76 100

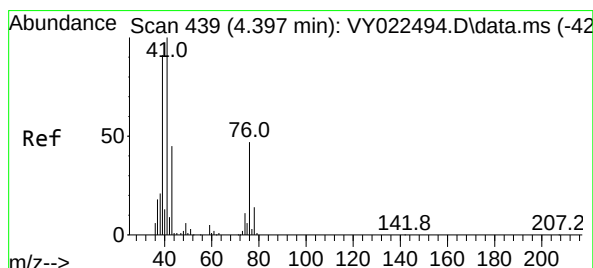
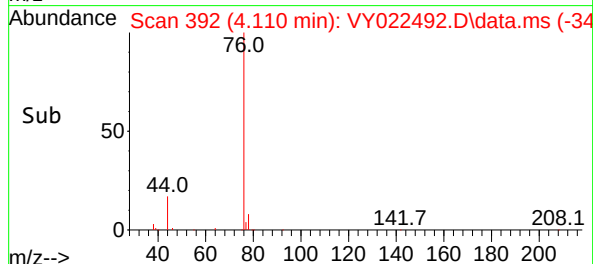
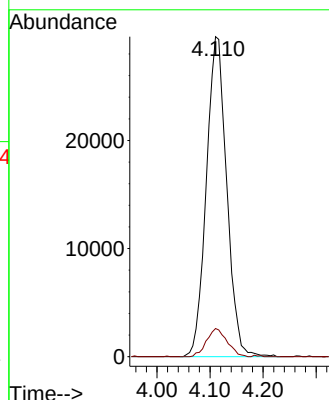
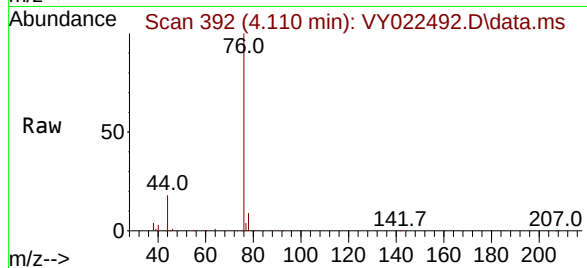
78 8.8 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#18

Methyl Acetate

Concen: 12.603 ug/l

RT: 4.397 min Scan# 439

Delta R.T. -0.000 min

Lab File: VY022492.D

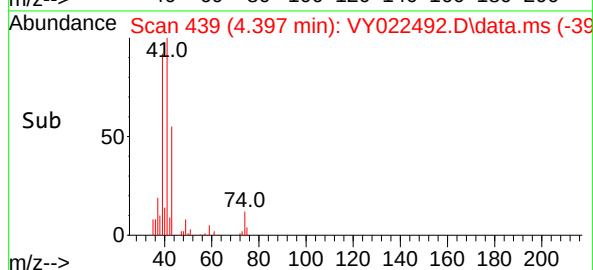
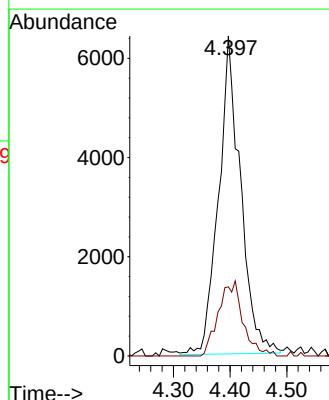
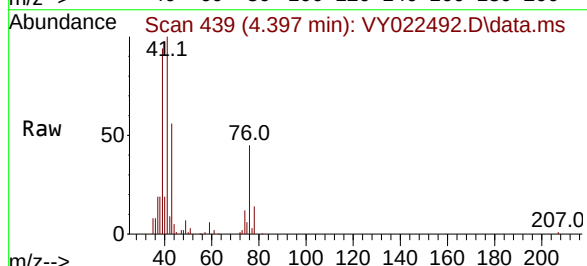
Acq: 02 Jun 2025 12:09

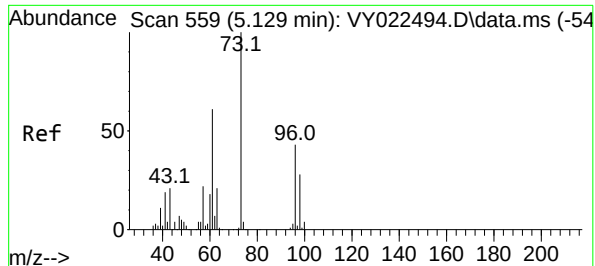
Tgt Ion: 43 Resp: 17228

Ion Ratio Lower Upper

43 100

74 26.4 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 11.296 ug/l

RT: 5.128 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 73 Resp: 68336

Ion Ratio Lower Upper

73 100

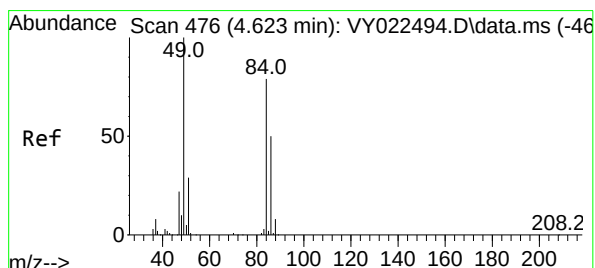
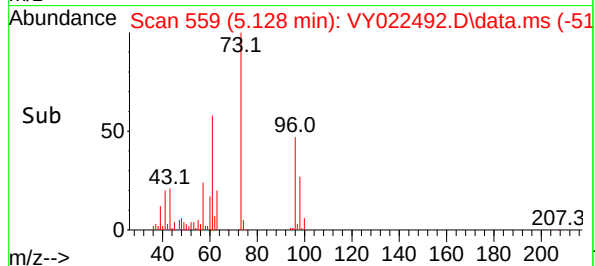
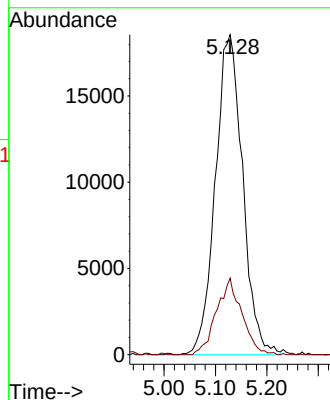
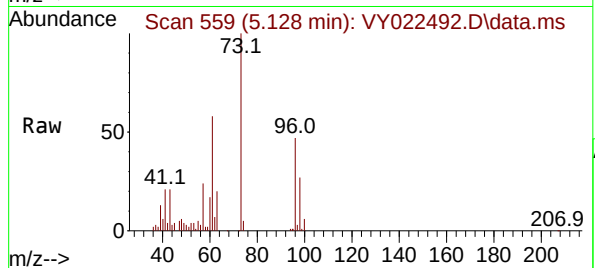
57 23.9 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#20

Methylene Chloride

Concen: 11.655 ug/l

RT: 4.622 min Scan# 476

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Tgt Ion: 84 Resp: 29569

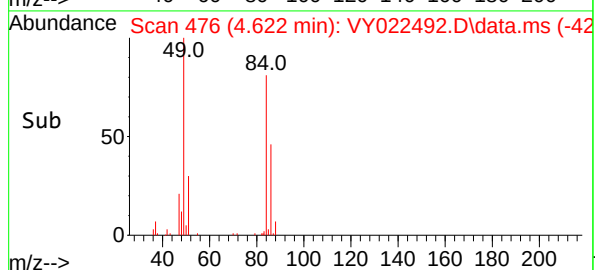
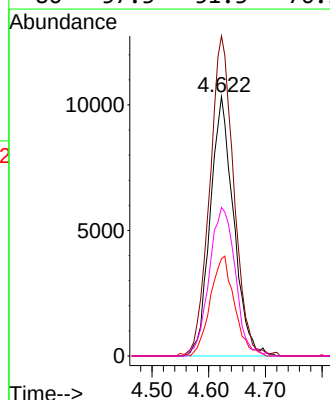
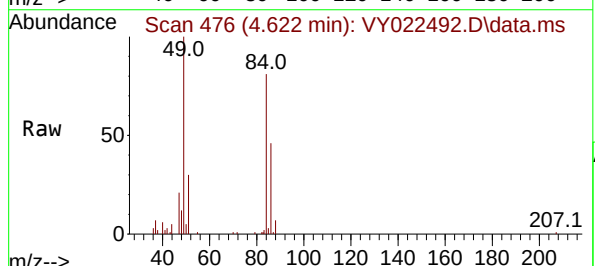
Ion Ratio Lower Upper

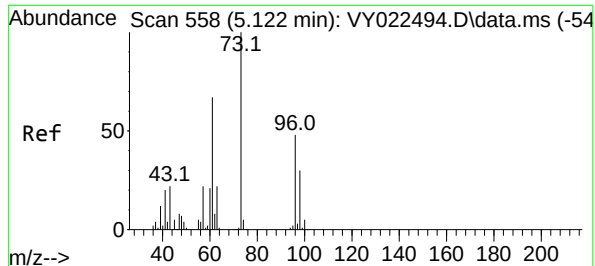
84 100

49 123.4 101.9 152.9

51 37.5 29.8 44.8

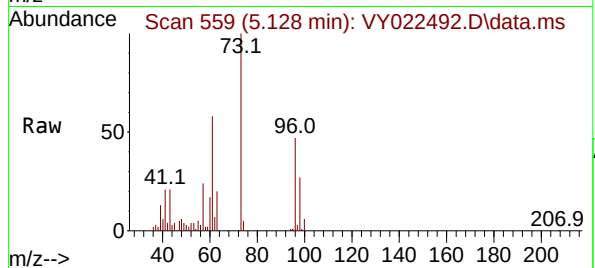
86 57.3 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 11.350 ug/l
RT: 5.128 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

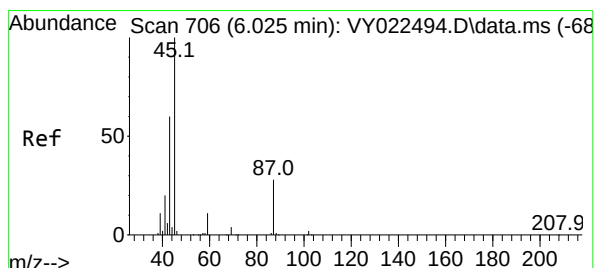
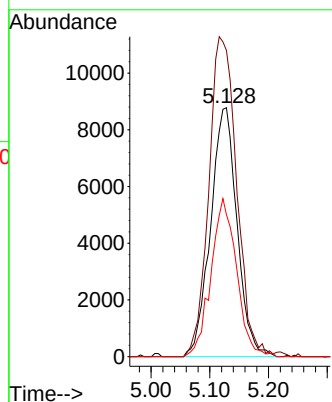
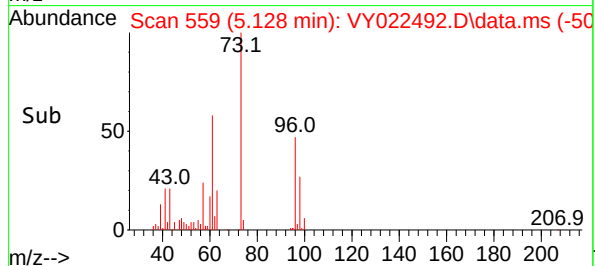
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 96 Resp: 2749
Ion Ratio Lower Upper
96 100
61 123.0 112.6 169.0
98 57.1 50.6 75.8

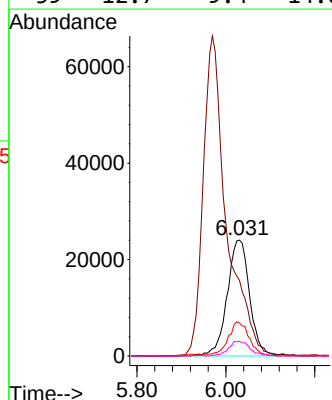
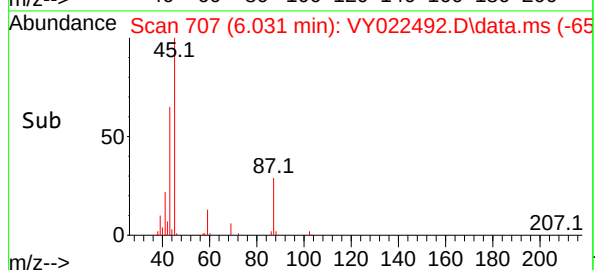
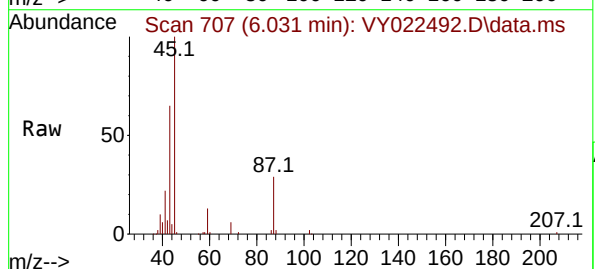
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APPROVED

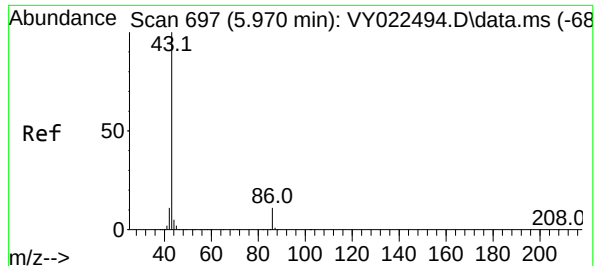
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#22
Diisopropyl ether
Concen: 11.156 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 45 Resp: 83814
Ion Ratio Lower Upper
45 100
43 64.5 48.3 72.5
87 28.5 23.0 34.6
59 12.7 9.4 14.0





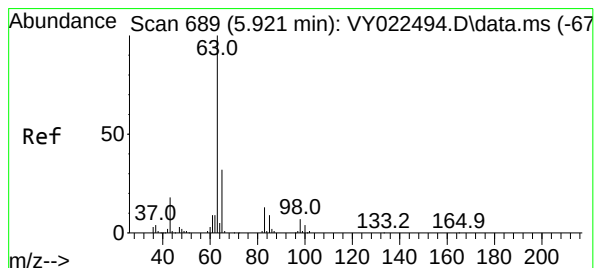
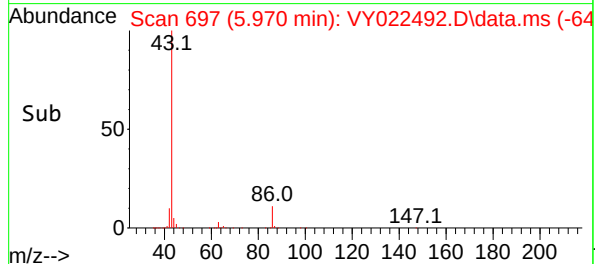
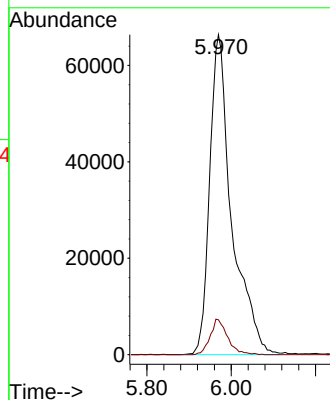
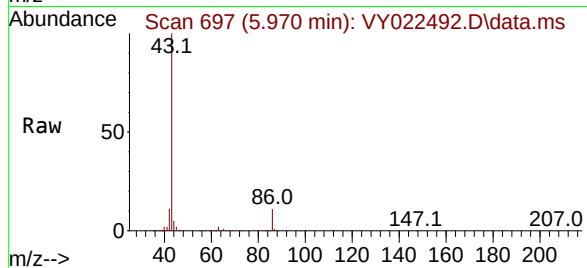
#23
Vinyl Acetate
Concen: 54.152 ug/l
RT: 5.970 min Scan# 697
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 241364
Ion Ratio Lower Upper
43 100
86 10.9 8.6 12.8

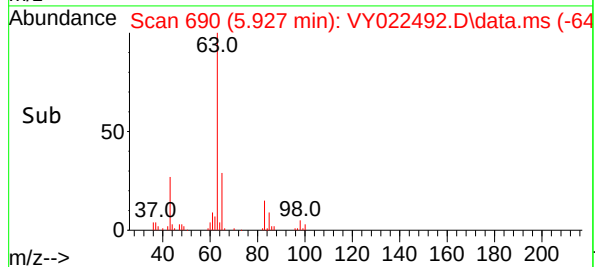
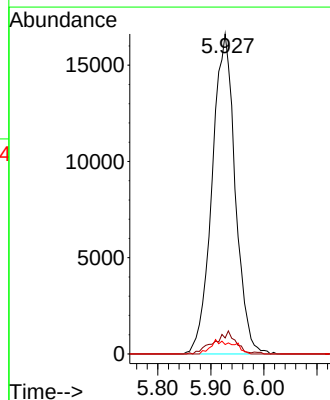
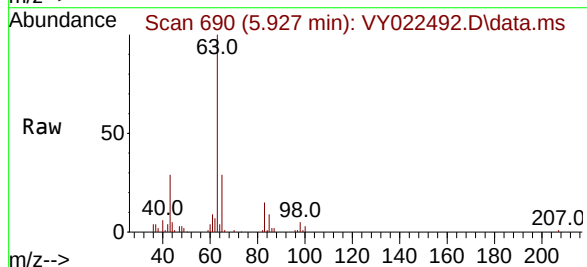
Manual Integrations
APPROVED

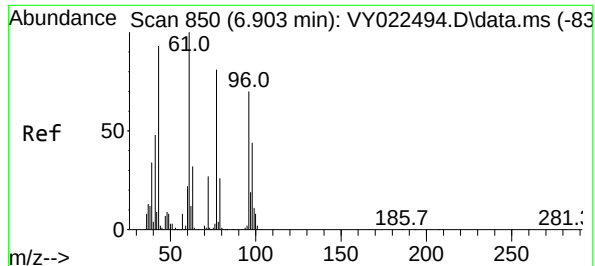
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#24
1,1-Dichloroethane
Concen: 11.346 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 63 Resp: 50391
Ion Ratio Lower Upper
63 100
98 5.0 3.4 10.1
100 3.0 2.1 6.3





#25

2-Butanone

Concen: 54.840 ug/l

RT: 6.909 min Scan# 851

Delta R.T. 0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 36750

Ion Ratio Lower Upper

43 100

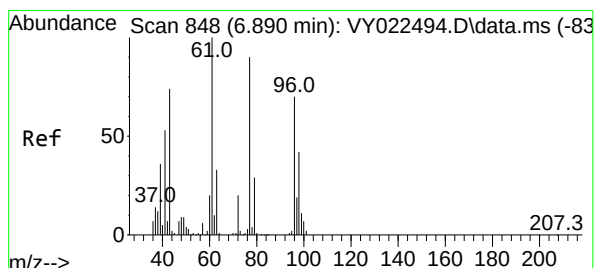
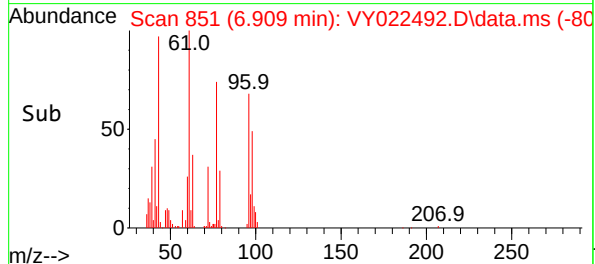
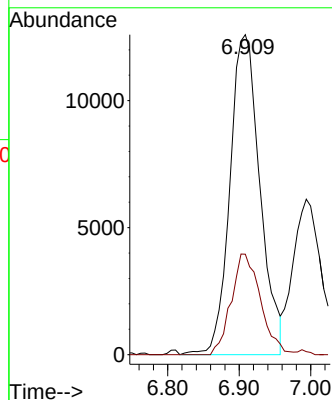
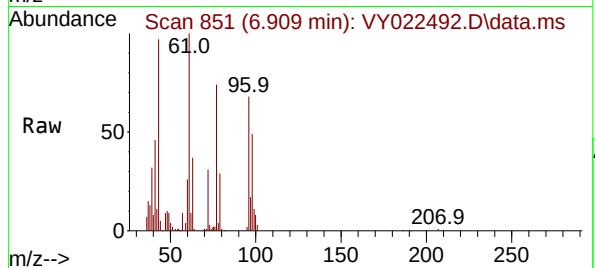
72 31.4 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#26

2,2-Dichloropropane

Concen: 11.045 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022492.D

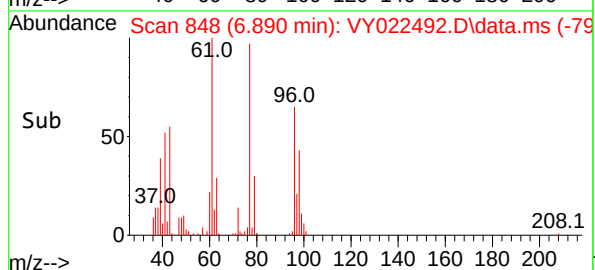
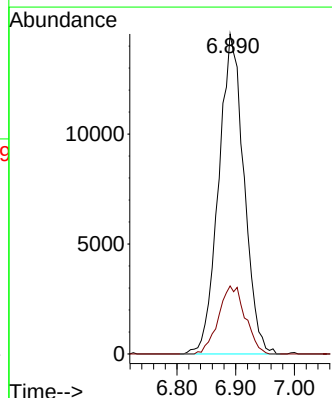
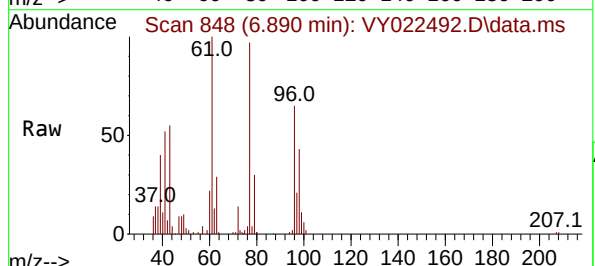
Acq: 02 Jun 2025 12:09

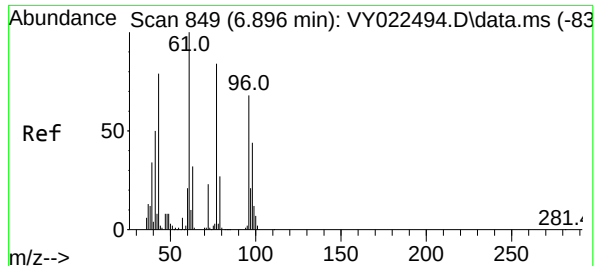
Tgt Ion: 77 Resp: 43605

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 11.028 ug/l

RT: 6.902 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

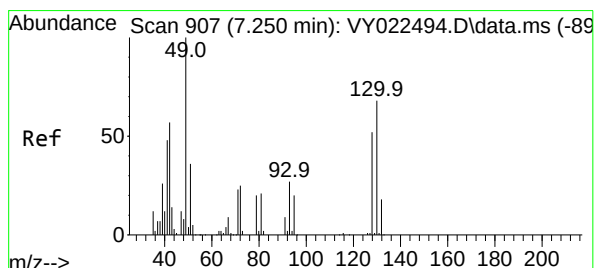
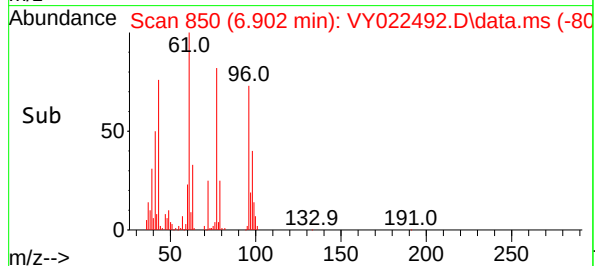
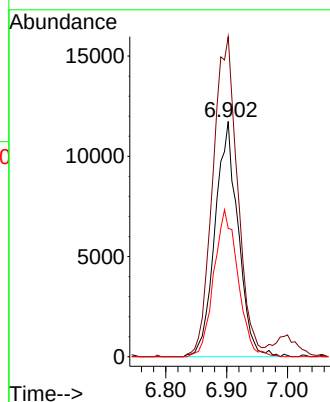
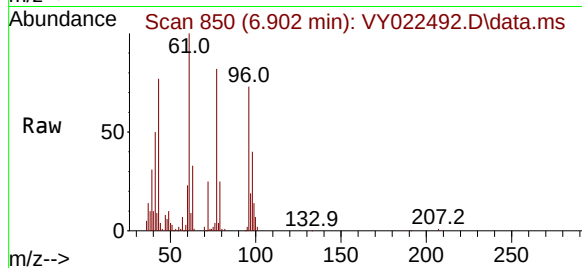
VSTDICC010

Tgt Ion:	96	Resp:	3087
Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	290.0
98	65.3	0.0	128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#28

Bromochloromethane

Concen: 10.491 ug/l

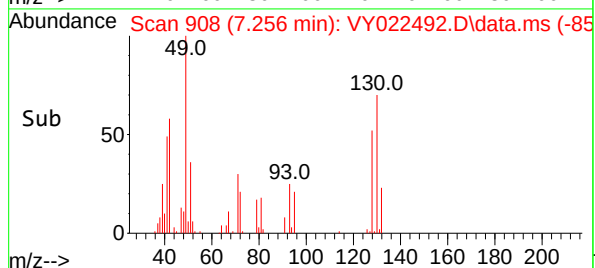
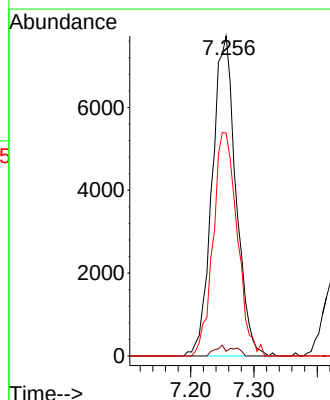
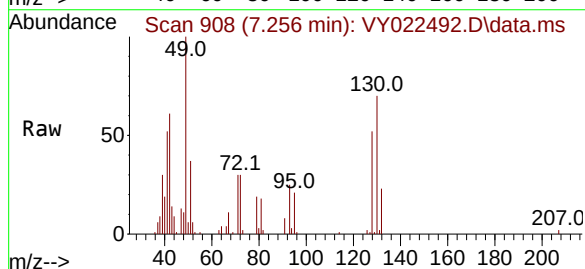
RT: 7.256 min Scan# 908

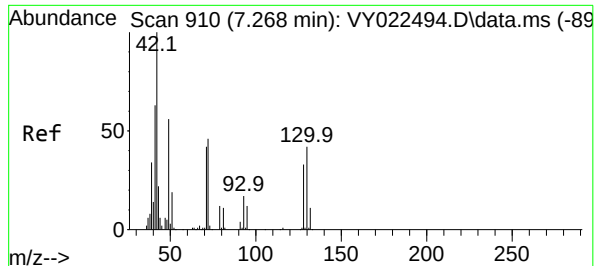
Delta R.T. 0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Tgt Ion:	49	Resp:	20132
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	70.8	55.7	83.5





#29

Tetrahydrofuran

Concen: 57.822 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

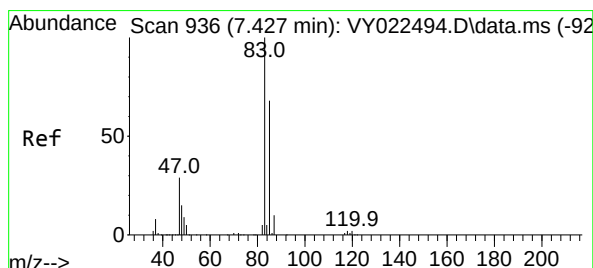
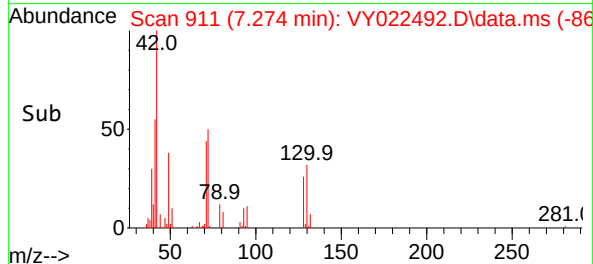
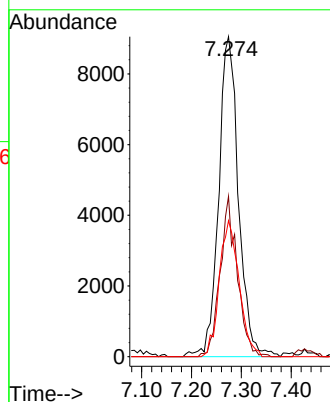
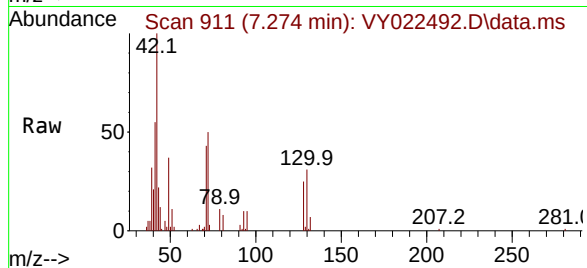
VSTDIC010

Tgt Ion:	42	Resp:	2500
Ion	Ratio	Lower	Upper
42	100		
72	43.5	37.4	56.2
71	42.5	34.2	51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#30

Chloroform

Concen: 11.391 ug/l

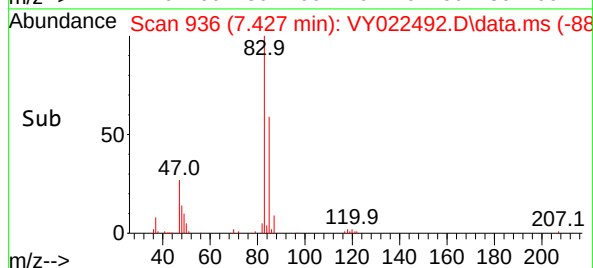
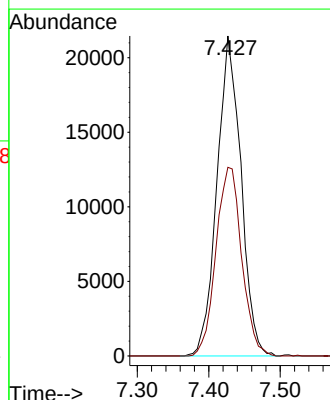
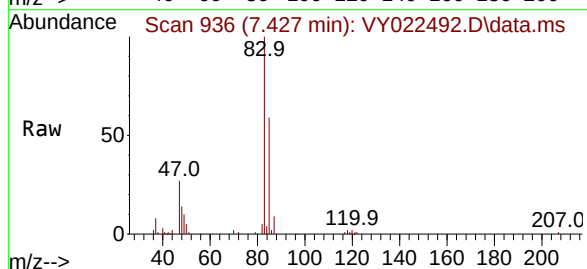
RT: 7.427 min Scan# 936

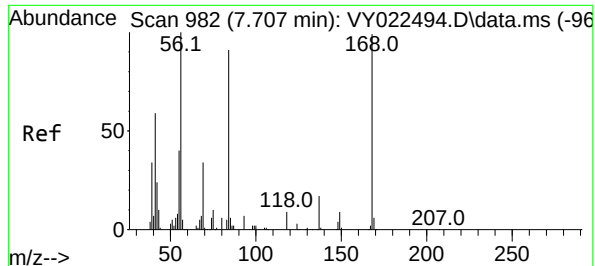
Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

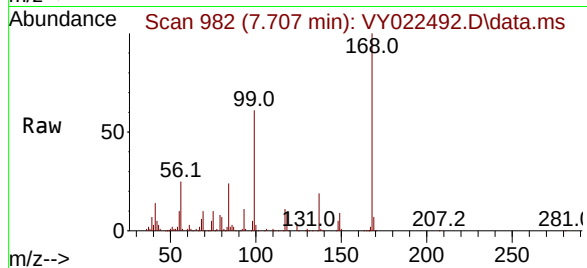
Tgt Ion:	83	Resp:	49990
Ion	Ratio	Lower	Upper
83	100		
85	59.0	54.2	81.4





#31
Cyclohexane
Concen: 11.422 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

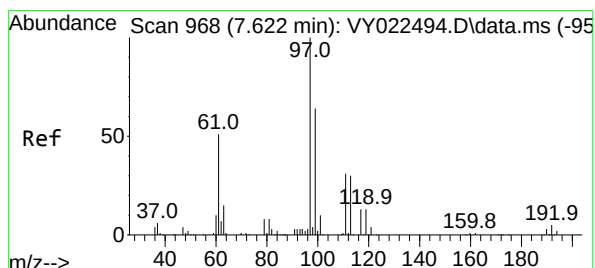
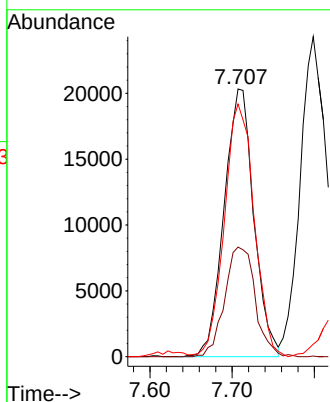
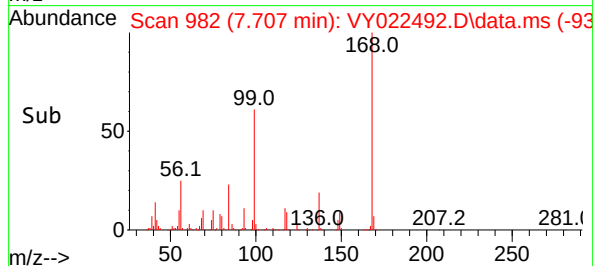
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 56 Resp: 51050
Ion Ratio Lower Upper
56 100
69 40.9 27.0 40.6
84 92.7 72.6 109.0

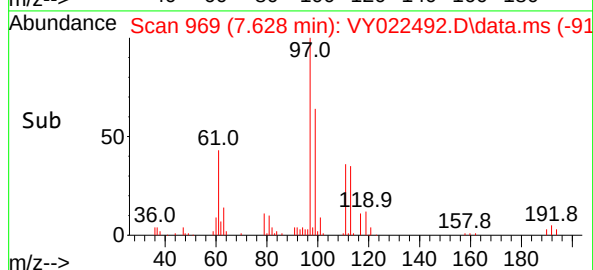
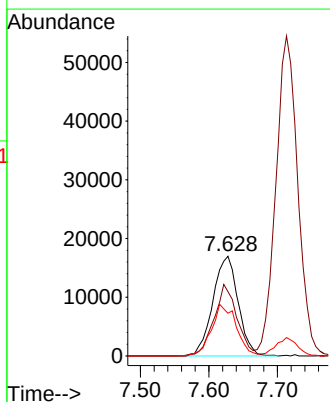
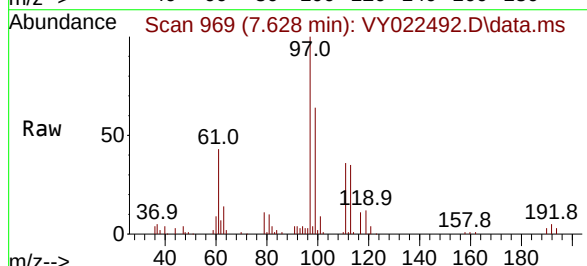
Manual Integrations
APPROVED

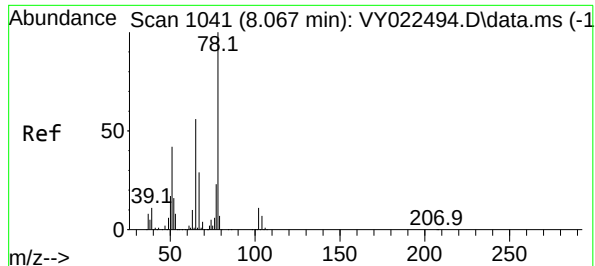
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#32
1,1,1-Trichloroethane
Concen: 11.080 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 97 Resp: 43454
Ion Ratio Lower Upper
97 100
99 65.1 50.9 76.3
61 50.6 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 10.549 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Tgt Ion: 65 Resp: 24240

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.4

Instrument :

MSVOA_Y

ClientSampleId :

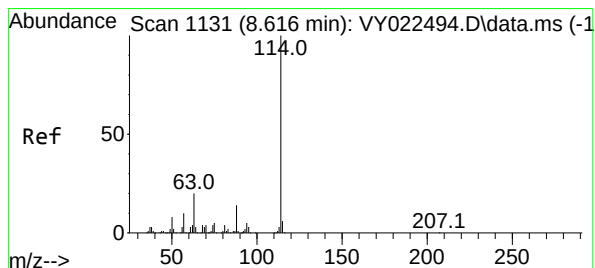
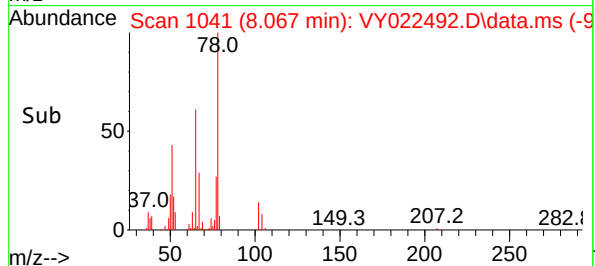
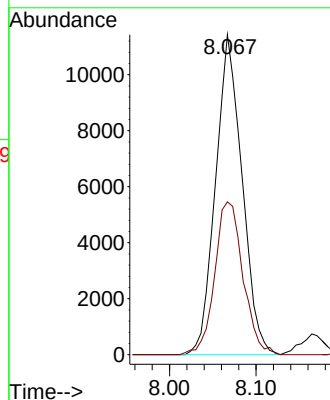
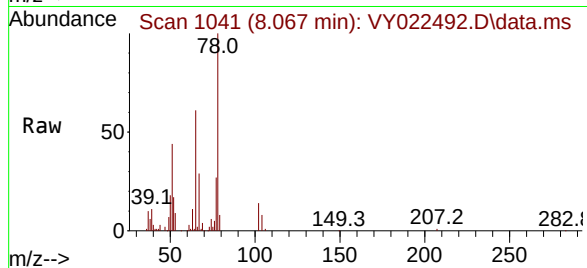
VSTDICC010

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

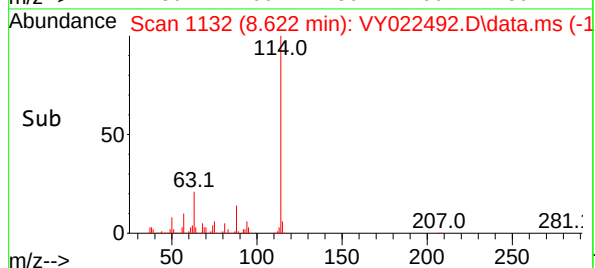
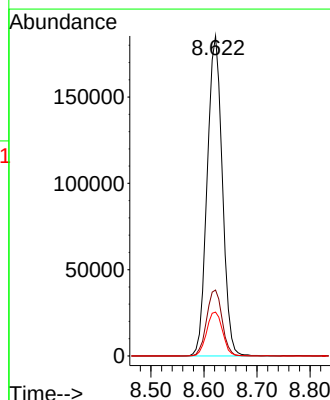
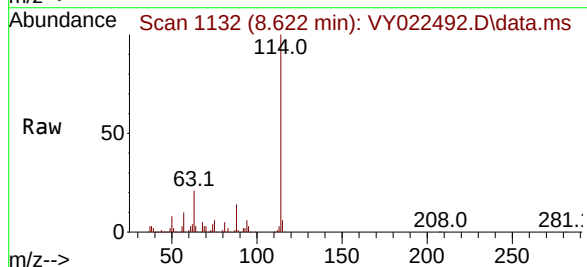
Tgt Ion:114 Resp: 366386

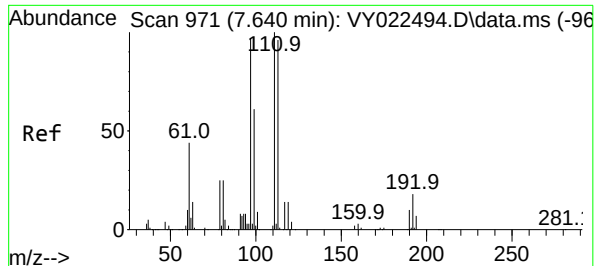
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 13.7 0.0 27.8





#35

Dibromofluoromethane

Concen: 9.617 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:113 Resp: 2074

Ion Ratio Lower Upper

113 100

111 104.9 81.1 121.7

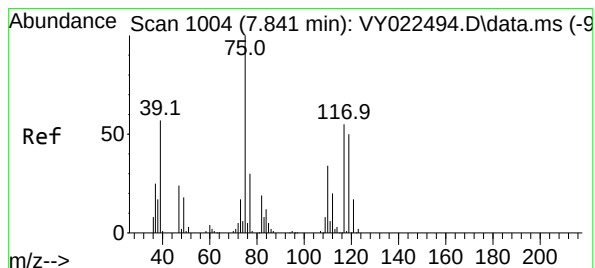
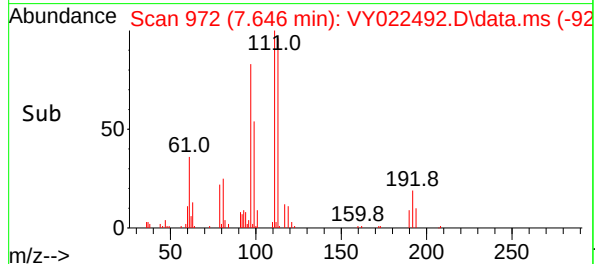
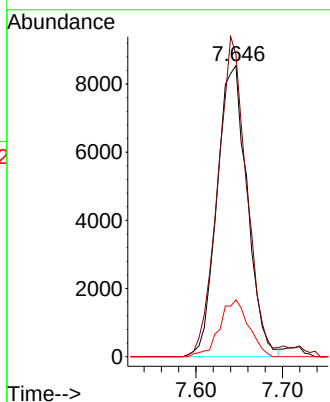
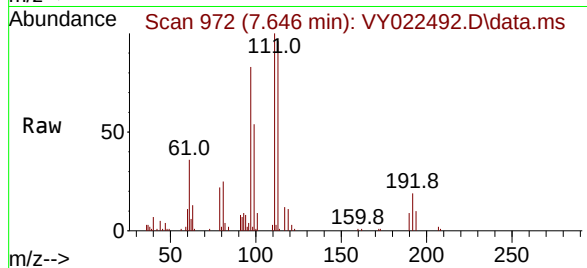
192 18.7 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#36

1,1-Dichloropropene

Concen: 10.765 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

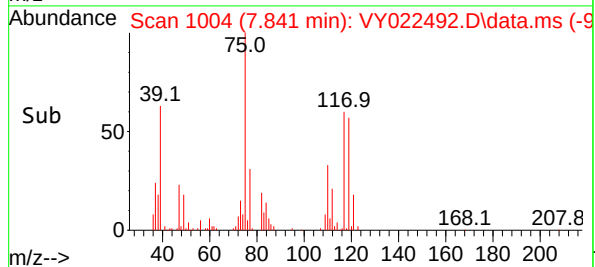
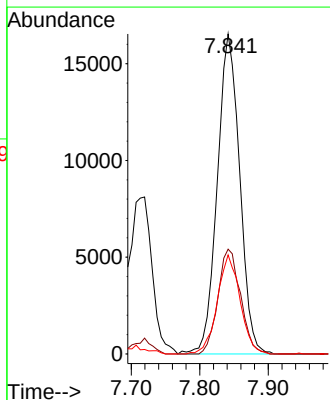
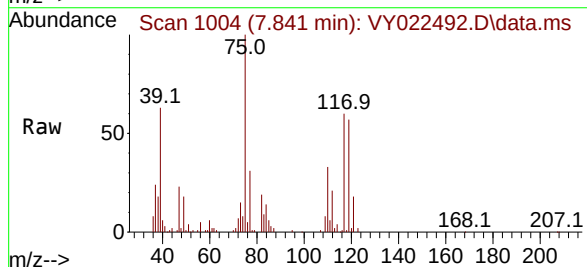
Tgt Ion: 75 Resp: 37532

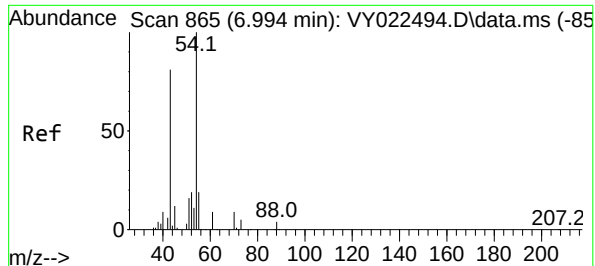
Ion Ratio Lower Upper

75 100

110 33.0 16.9 50.7

77 31.5 24.8 37.2





#37

Ethyl Acetate

Concen: 10.371 ug/l

RT: 6.994 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

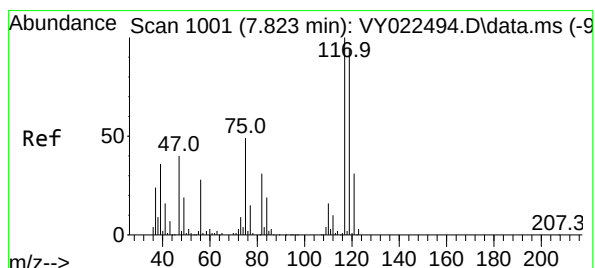
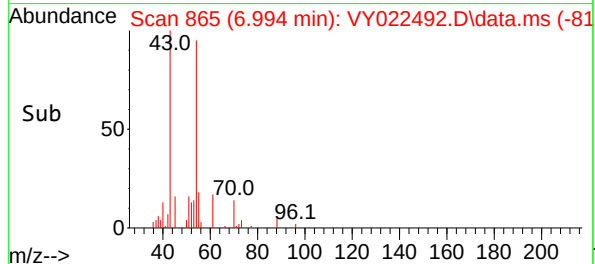
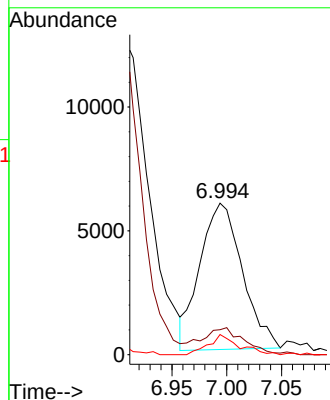
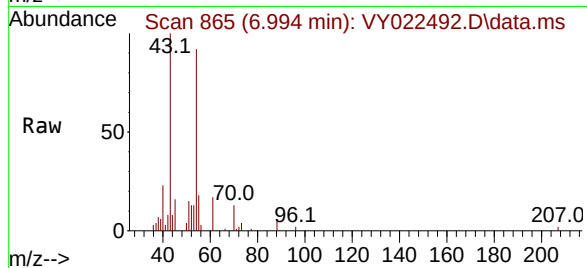
VSTDIC010

Tgt Ion:	43	Resp:	15914
Ion	Ratio	Lower	Upper
43	100		
61	18.4	11.5	17.3
70	9.8	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#38

Carbon Tetrachloride

Concen: 10.515 ug/l

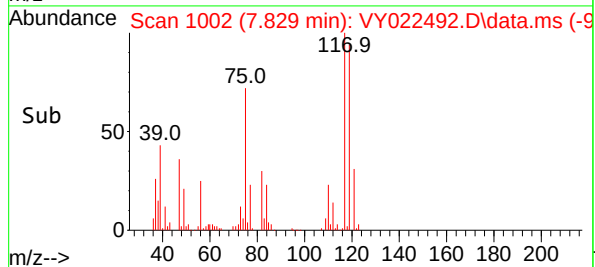
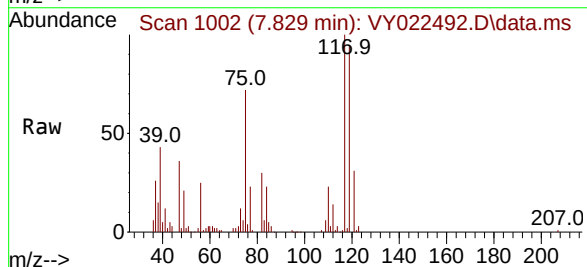
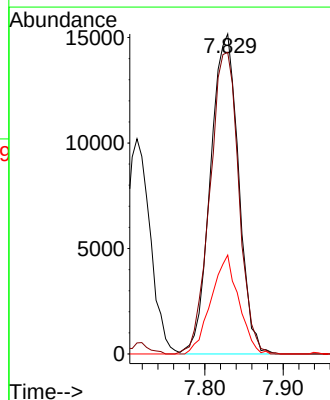
RT: 7.829 min Scan# 1002

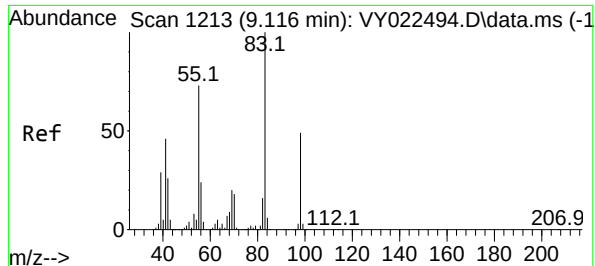
Delta R.T. 0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Tgt Ion:	117	Resp:	37794
Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.0	112.6
121	30.9	25.0	37.4





#39

Methylcyclohexane

Concen: 10.491 ug/l

RT: 9.115 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

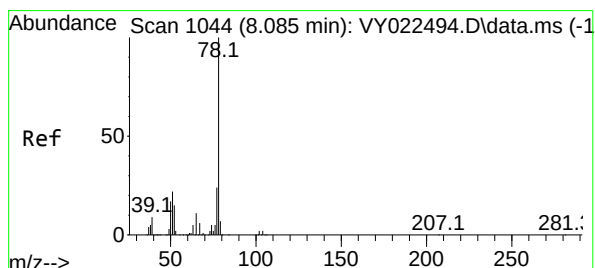
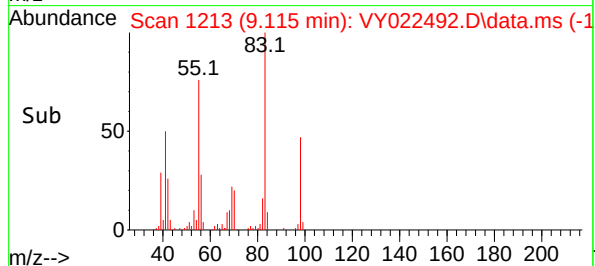
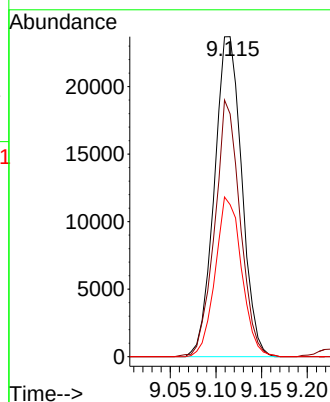
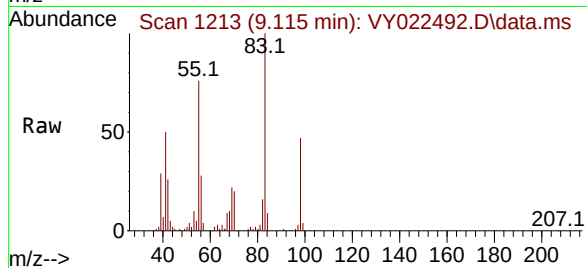
VSTDIC010

Tgt Ion:	83	Resp:	4941
Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.1	87.1
98	47.5	39.0	58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#40

Benzene

Concen: 10.600 ug/l

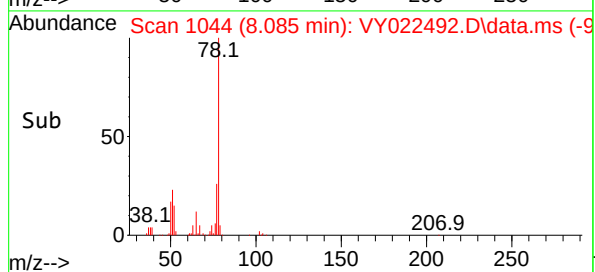
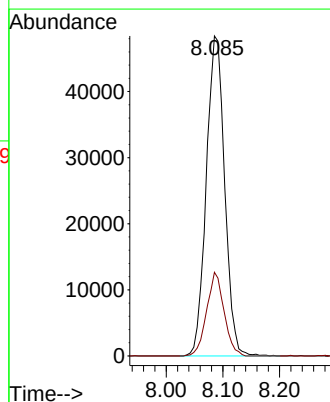
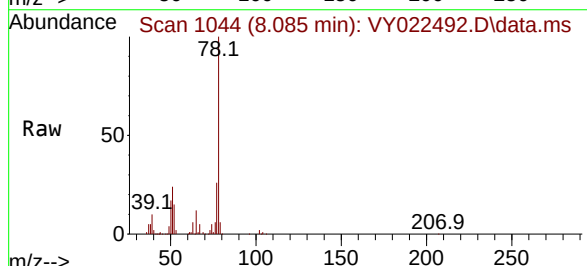
RT: 8.085 min Scan# 1044

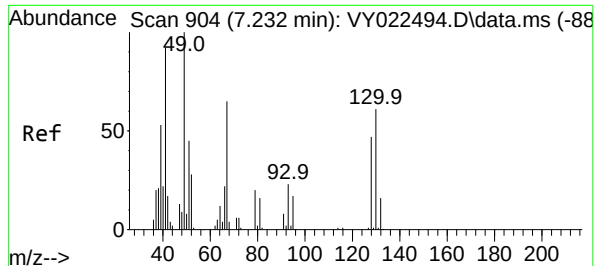
Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

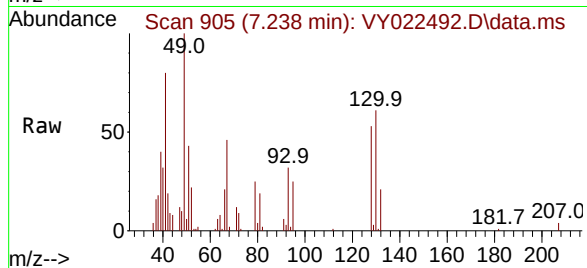
Tgt Ion:	78	Resp:	108934
Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.3	28.9





#41
Methacrylonitrile
Concen: 9.151 ug/l m
RT: 7.238 min Scan# 904
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

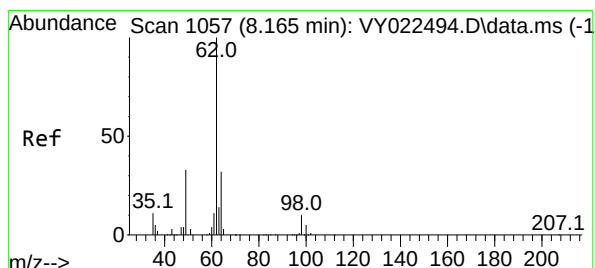
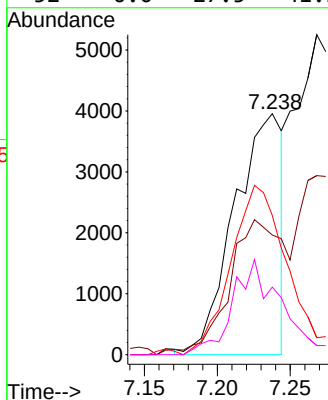
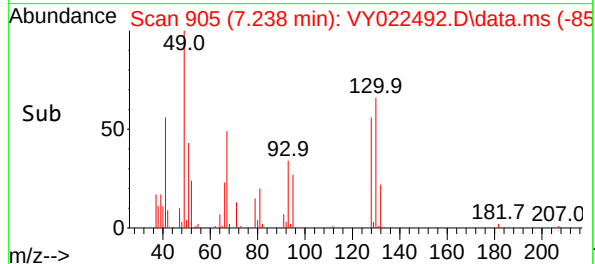
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 41 Resp: 904
Ion Ratio Lower Upper
41 100
39 83.2 46.6 69.8
67 0.0 63.3 94.9
52 0.0 27.5 41.3#

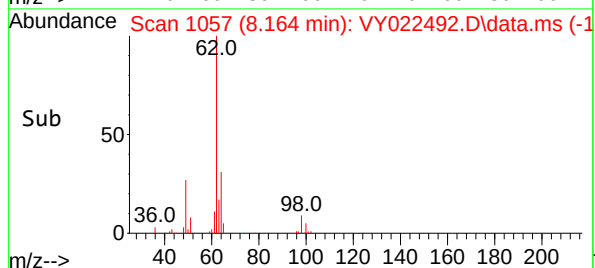
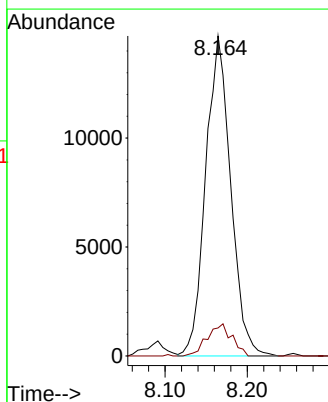
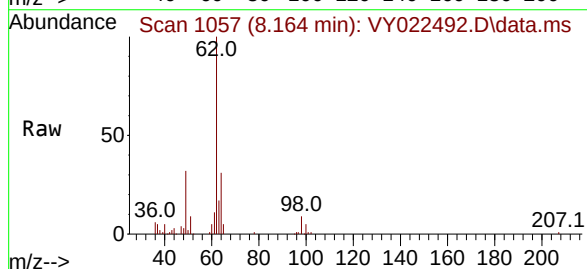
Manual Integrations
APPROVED

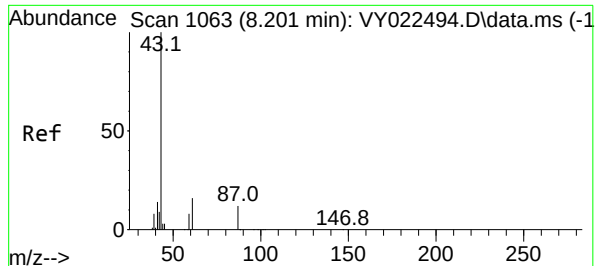
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#42
1,2-Dichloroethane
Concen: 11.125 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 31102
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.2





#43

Isopropyl Acetate

Concen: 10.859 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

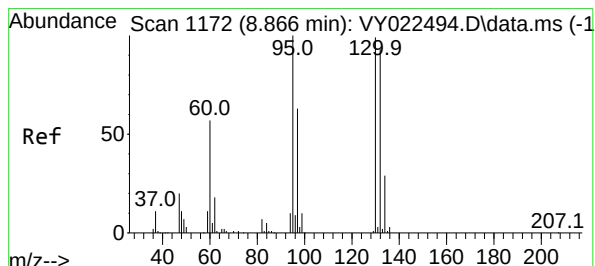
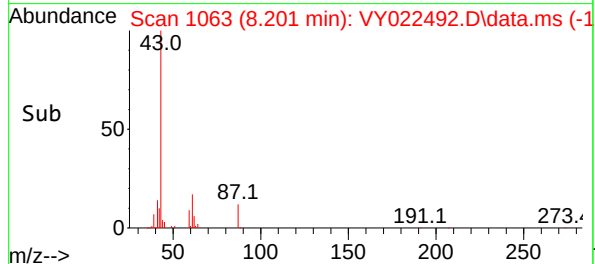
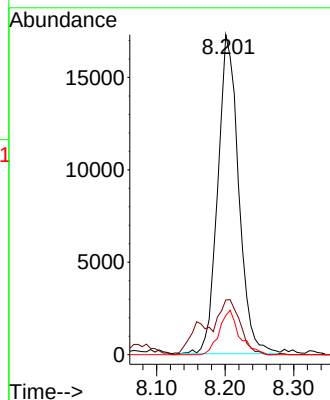
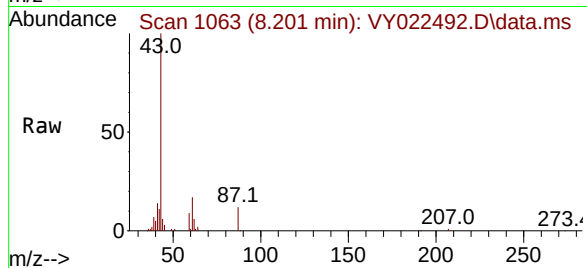
VSTDIC010

Tgt Ion: 43	Resp: 3641
Ion Ratio	Lower Upper
43	100
61	17.7 15.6 23.4
87	13.4 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#44

Trichloroethene

Concen: 11.325 ug/l

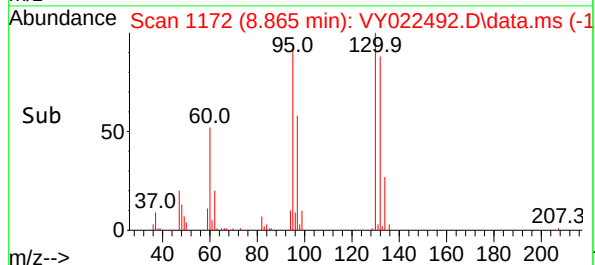
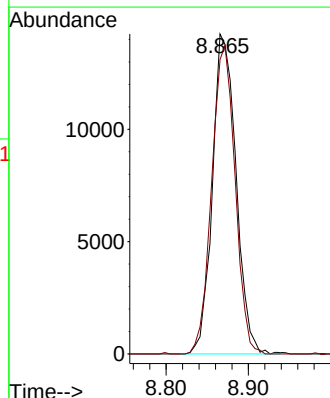
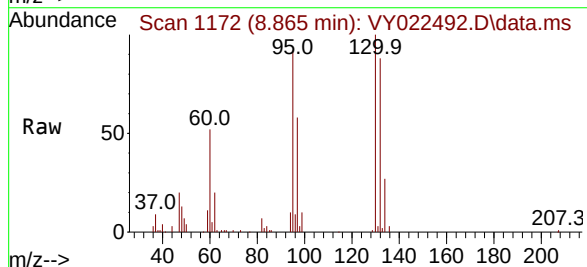
RT: 8.865 min Scan# 1172

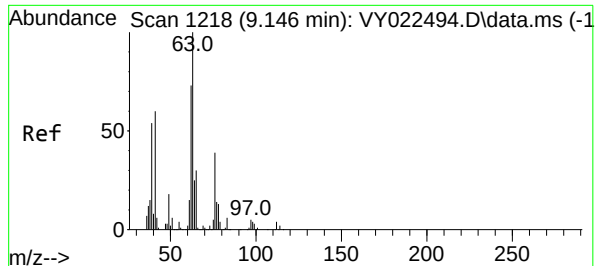
Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Tgt Ion:130	Resp: 28431
Ion Ratio	Lower Upper
130	100
95	92.0 0.0 203.0





#45

1,2-Dichloropropane

Concen: 10.884 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 63 Resp: 2666

Ion Ratio Lower Upper

63 100

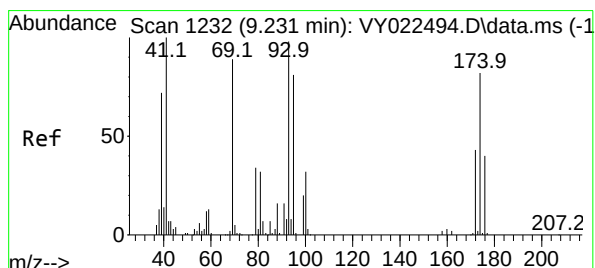
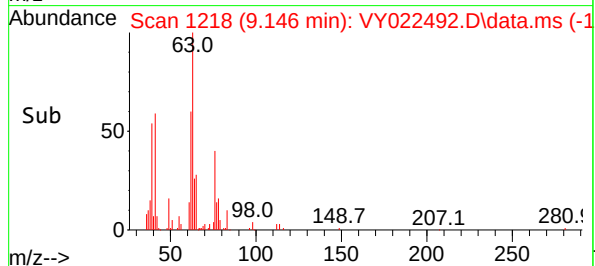
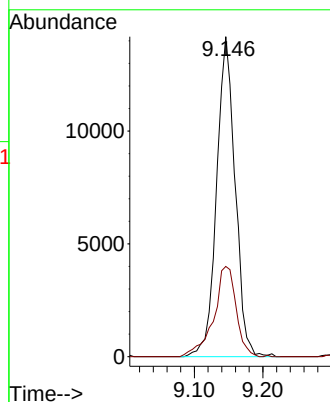
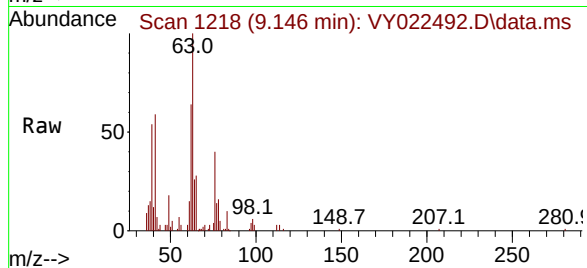
65 28.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#46

Dibromomethane

Concen: 10.637 ug/l m

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

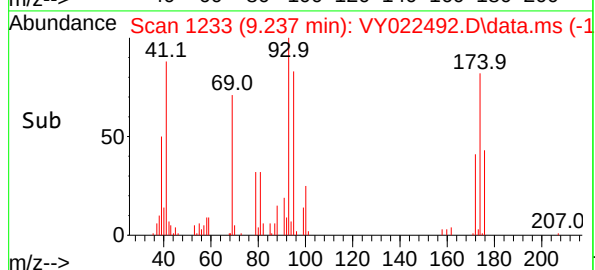
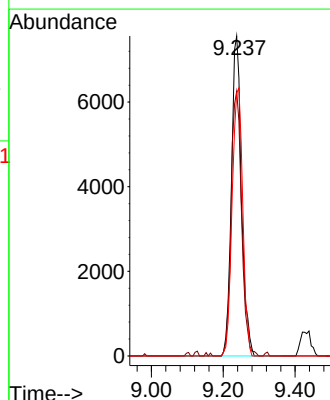
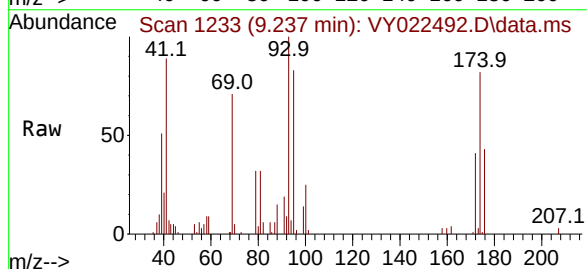
Tgt Ion: 93 Resp: 14601

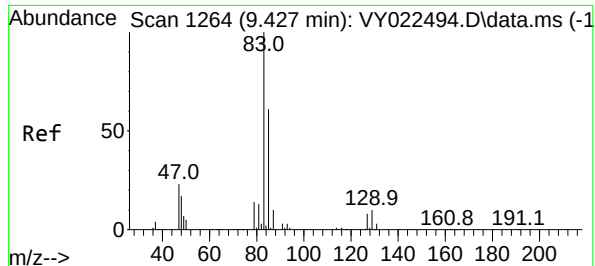
Ion Ratio Lower Upper

93 100

95 0.0 65.6 98.4#

174 0.0 70.4 105.6#





#47

Bromodichloromethane

Concen: 11.048 ug/l

RT: 9.426 min Scan# 1264

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

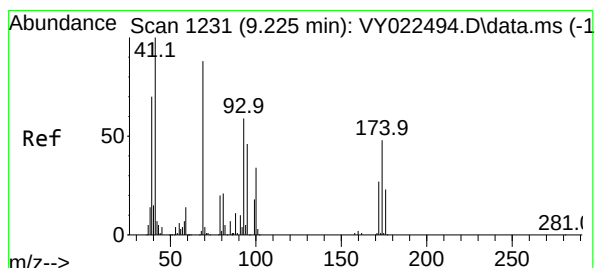
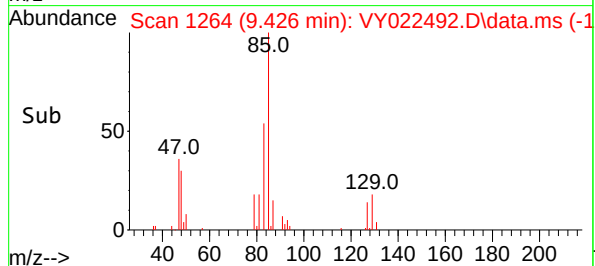
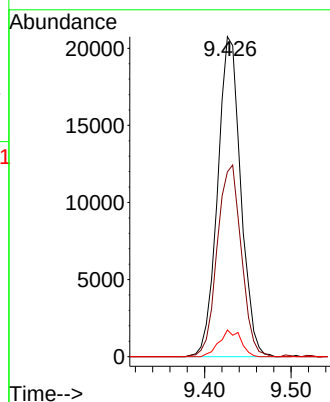
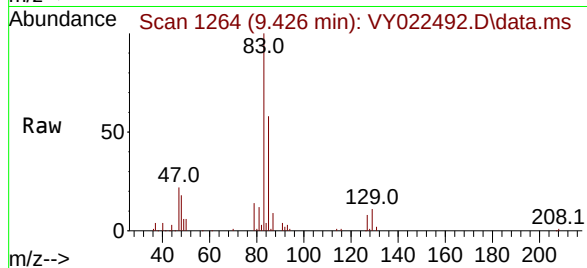
VSTDIC010

Tgt Ion: 83	Resp: 3847
Ion Ratio	Lower Upper
83 100	
85 57.8	49.1 73.7
127 8.4	6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#48

Methyl methacrylate

Concen: 10.501 ug/l

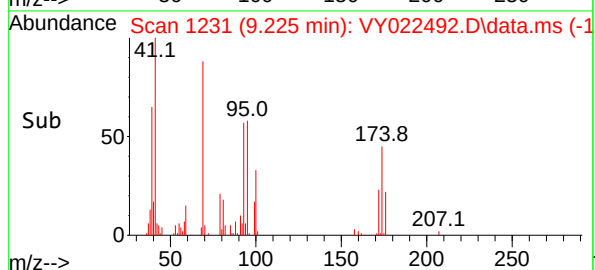
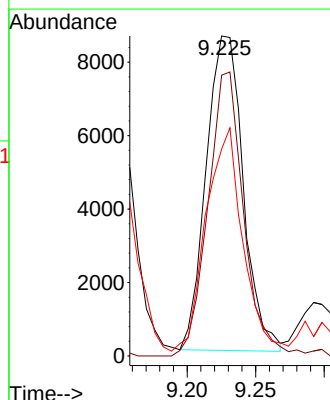
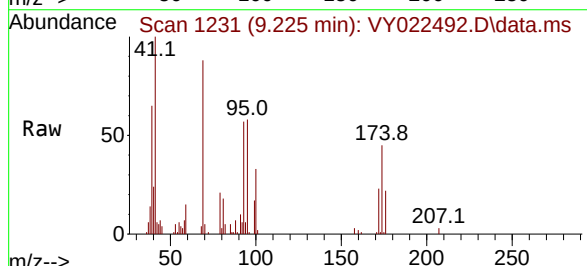
RT: 9.225 min Scan# 1231

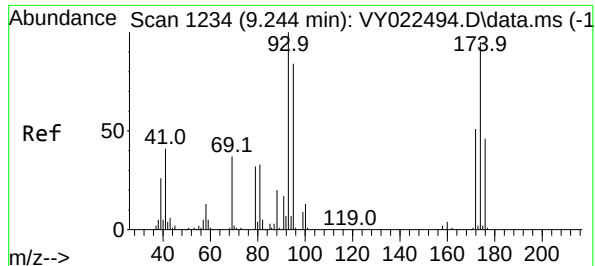
Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Tgt Ion: 41	Resp: 16122
Ion Ratio	Lower Upper
41 100	
69 86.6	67.8 101.8
39 70.2	55.0 82.4





#49

1,4-Dioxane

Concen: 215.881 ug/l

RT: 9.243 min Scan# 1234

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 3538

Ion Ratio Lower Upper

88 100

43 36.1 25.4 38.2

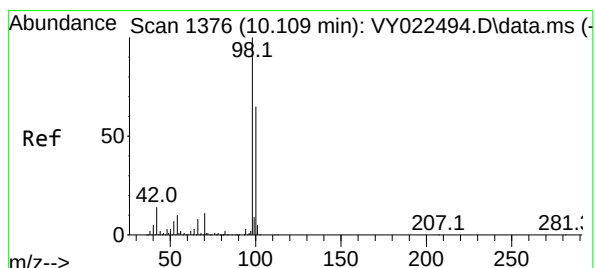
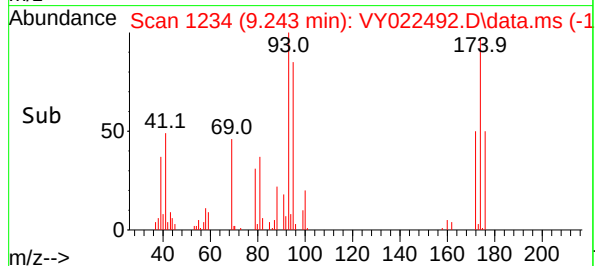
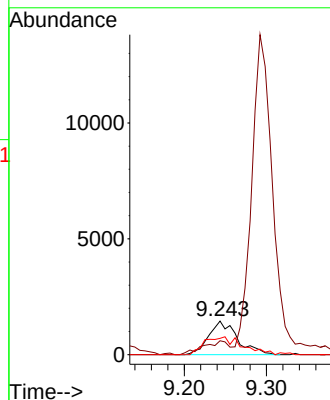
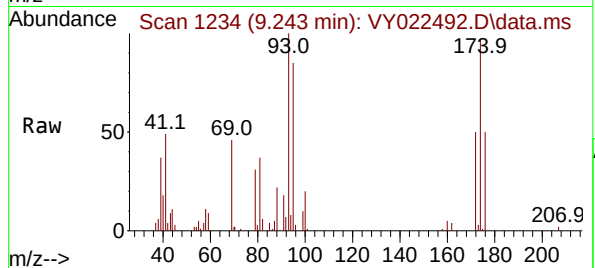
58 69.8 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#50

Toluene-d8

Concen: 9.930 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022492.D

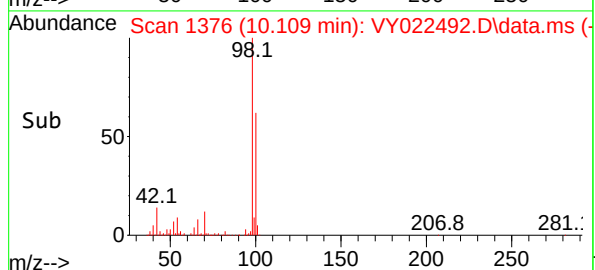
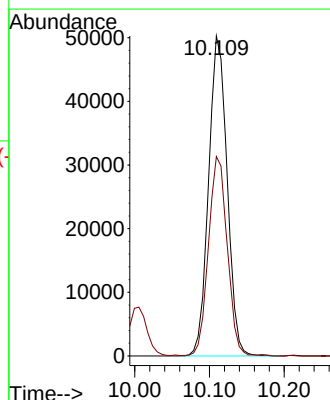
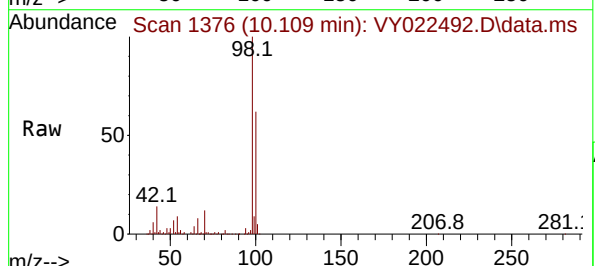
Acq: 02 Jun 2025 12:09

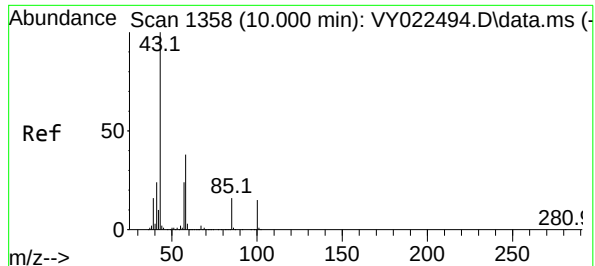
Tgt Ion: 98 Resp: 86561

Ion Ratio Lower Upper

98 100

100 63.2 51.4 77.0





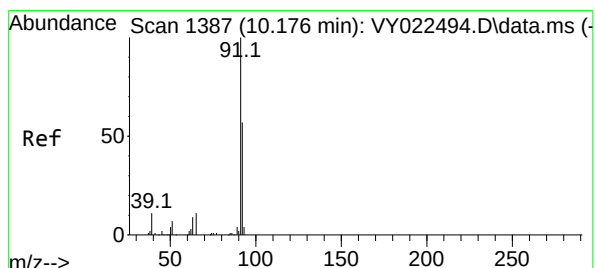
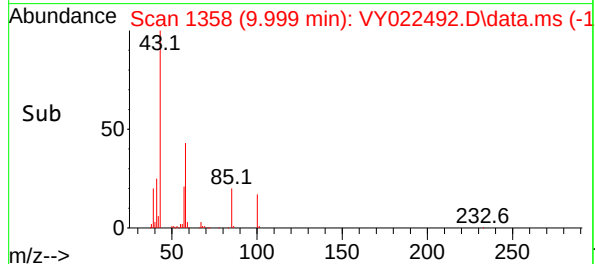
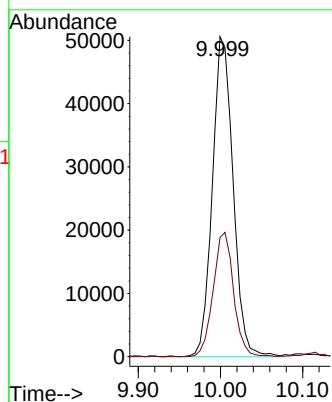
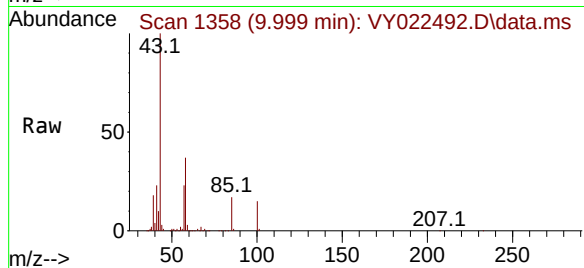
#51
4-Methyl-2-Pentanone
Concen: 53.259 ug/l
RT: 9.999 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 88634
Ion Ratio Lower Upper
43 100
58 38.3 30.4 45.6

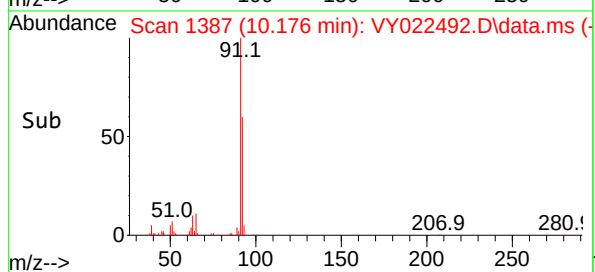
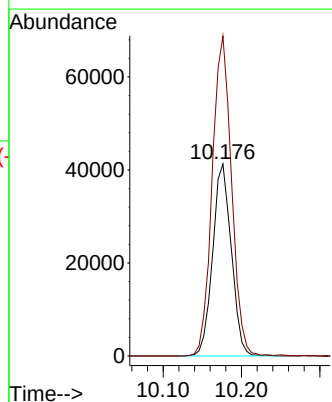
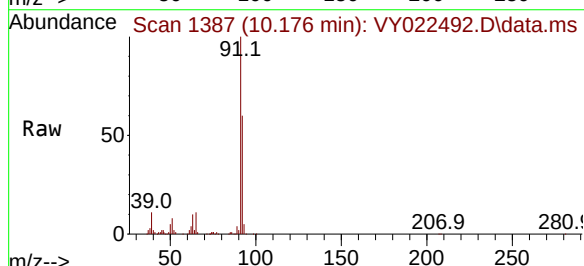
Manual Integrations
APPROVED

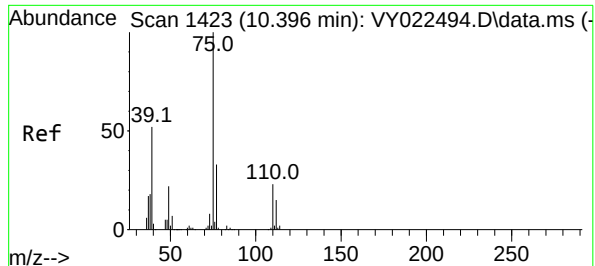
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#52
Toluene
Concen: 10.565 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

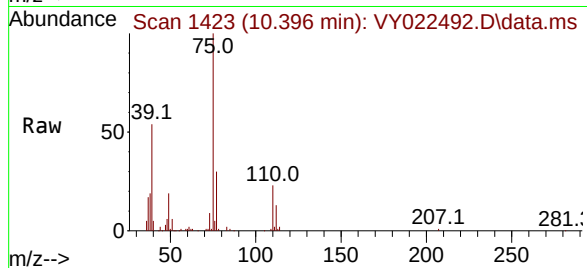
Tgt Ion: 92 Resp: 68265
Ion Ratio Lower Upper
92 100
91 172.7 139.0 208.4





#53
t-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

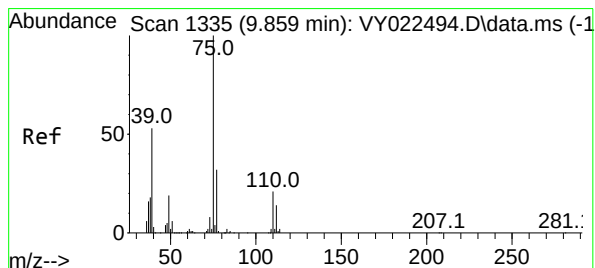
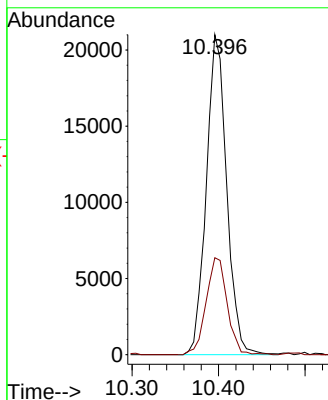
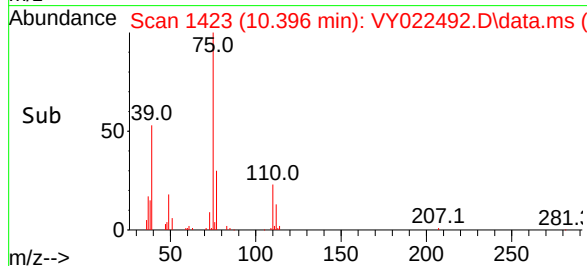
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 75 Resp: 3430
Ion Ratio Lower Upper
75 100
77 30.3 26.5 39.7

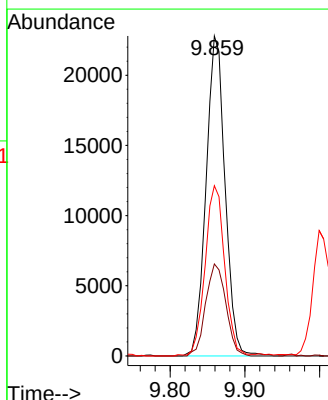
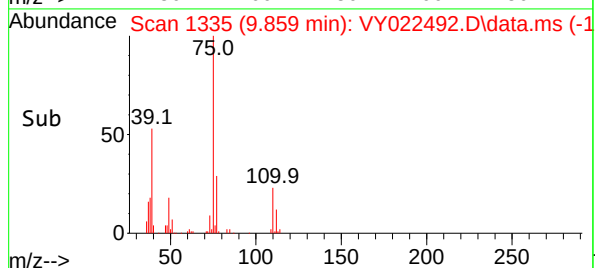
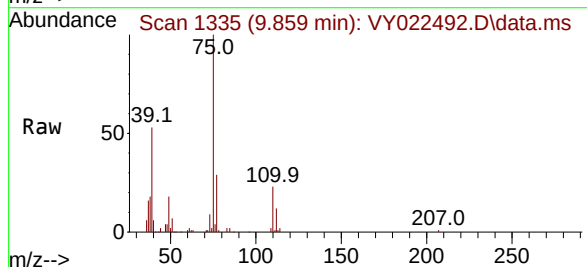
Manual Integrations
APPROVED

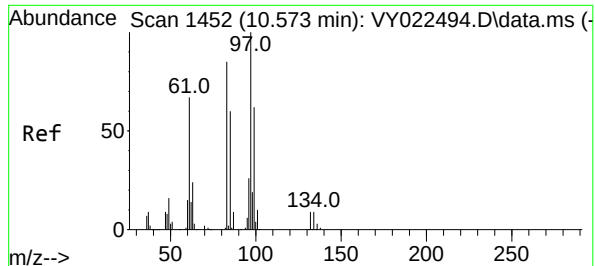
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#54
cis-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

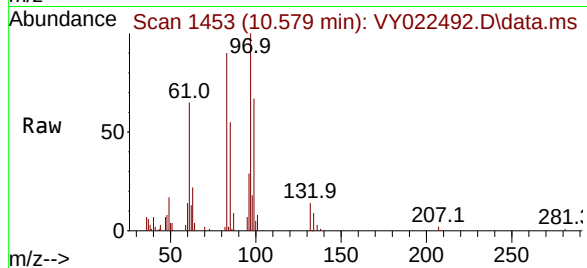
Tgt Ion: 75 Resp: 40229
Ion Ratio Lower Upper
75 100
77 28.7 25.3 37.9
39 52.8 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 10.904 ug/l
RT: 10.579 min Scan# 1452
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

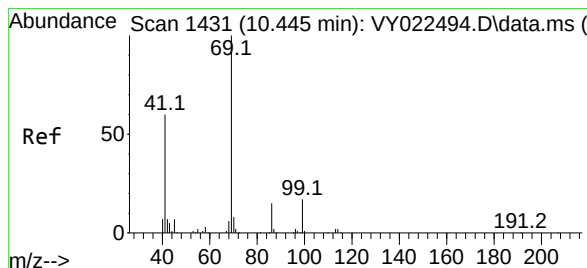
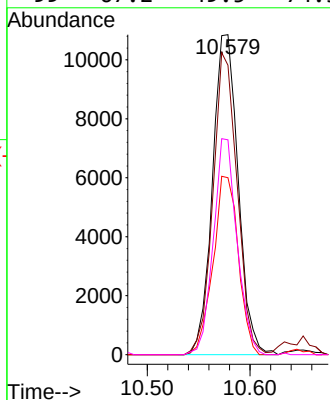
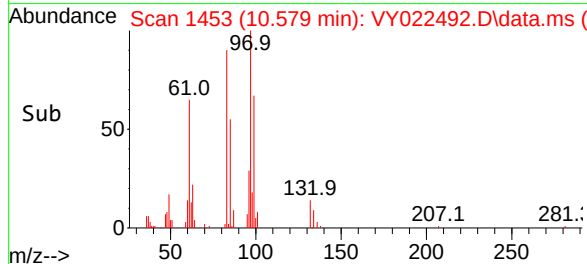
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



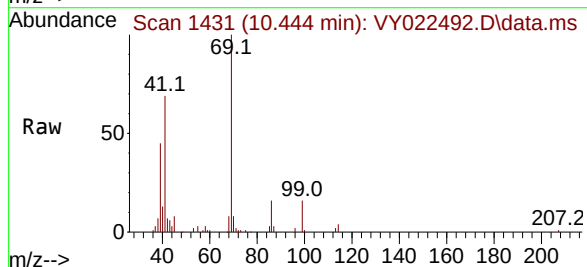
Tgt Ion: 97 Resp: 1884
Ion Ratio Lower Upper
97 100
83 90.5 68.1 102.1
85 55.3 48.2 72.2
99 67.2 49.5 74.3

Manual Integrations
APPROVED

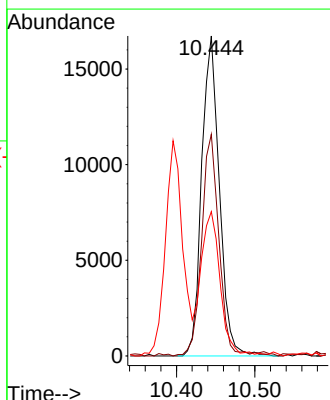
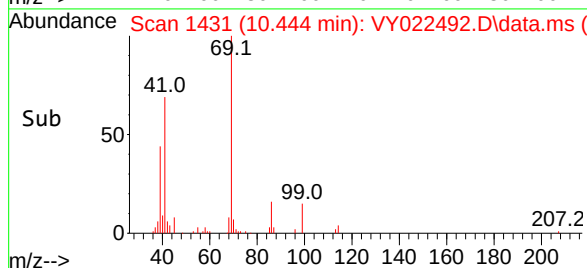
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

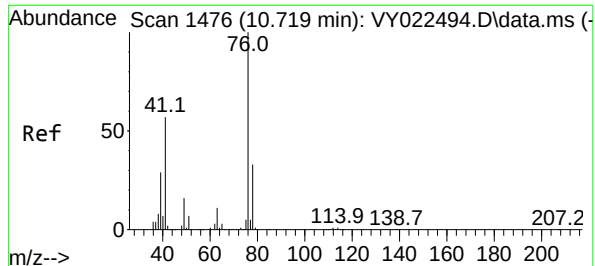


#56
Ethyl methacrylate
Concen: 10.426 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



Tgt Ion: 69 Resp: 26171
Ion Ratio Lower Upper
69 100
41 67.3 52.2 78.2
39 47.9 36.7 55.1





#57

1,3-Dichloropropane

Concen: 10.991 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 33830

Ion Ratio Lower Upper

76 100

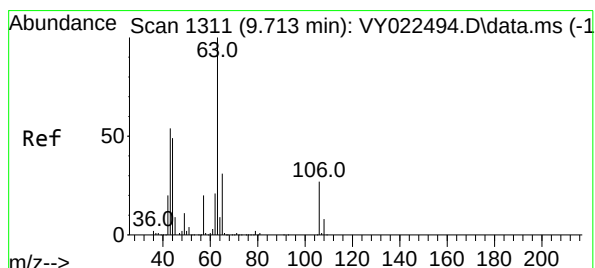
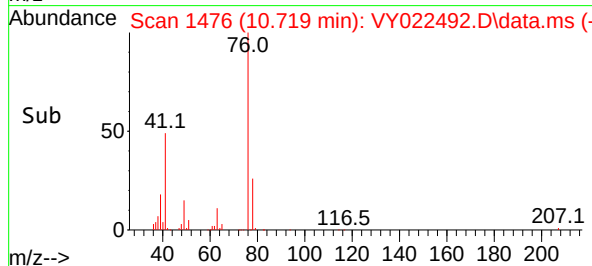
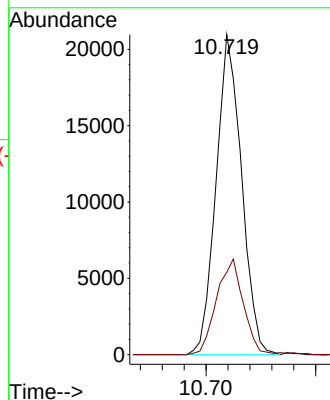
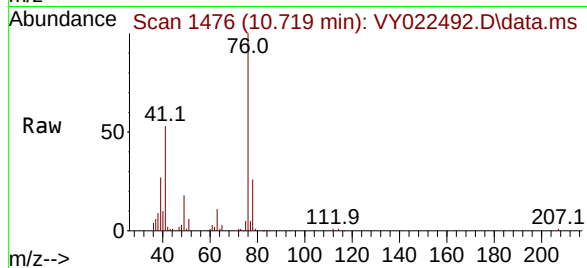
78 31.8 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 46.819 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY022492.D

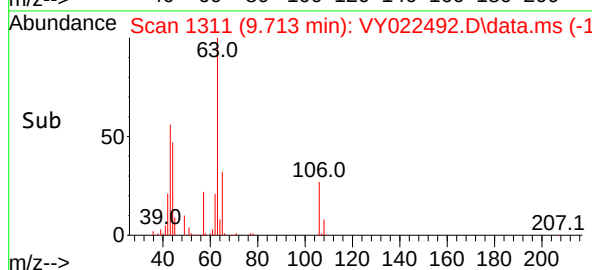
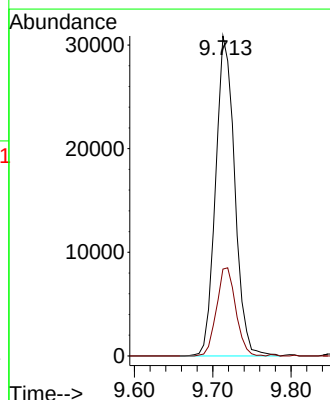
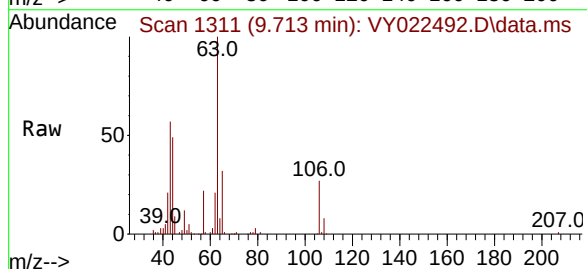
Acq: 02 Jun 2025 12:09

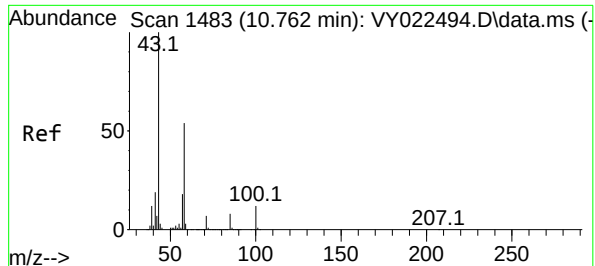
Tgt Ion: 63 Resp: 52396

Ion Ratio Lower Upper

63 100

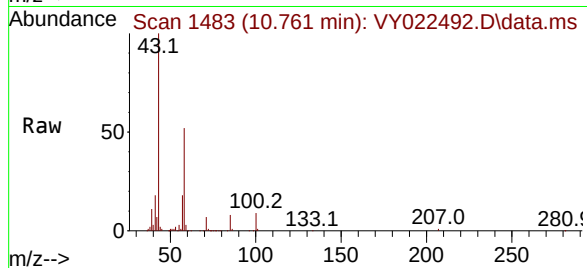
106 27.7 21.6 32.4





#59
2-Hexanone
Concen: 52.045 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

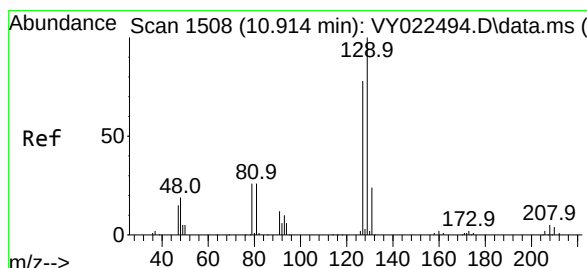
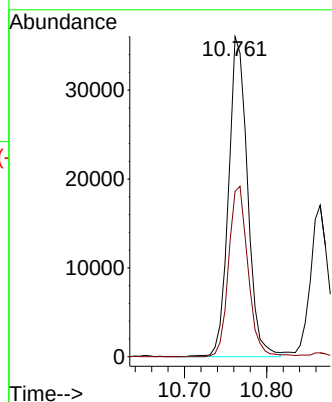
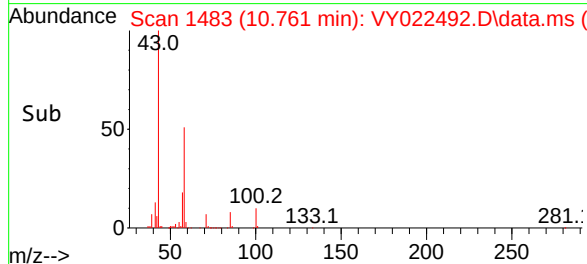
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 57738
Ion Ratio Lower Upper
43 100
58 54.3 27.3 81.8

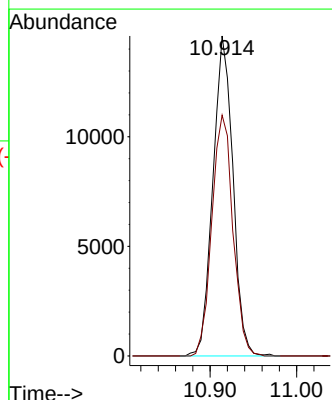
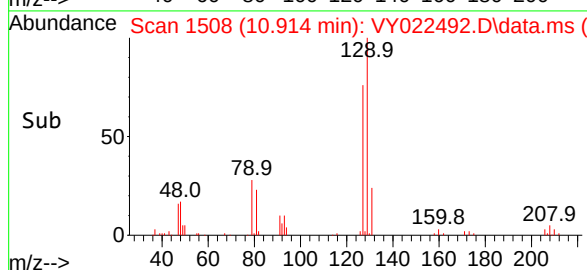
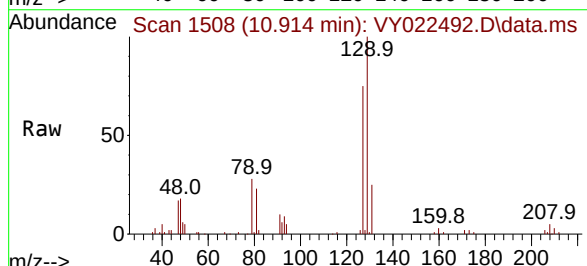
Manual Integrations
APPROVED

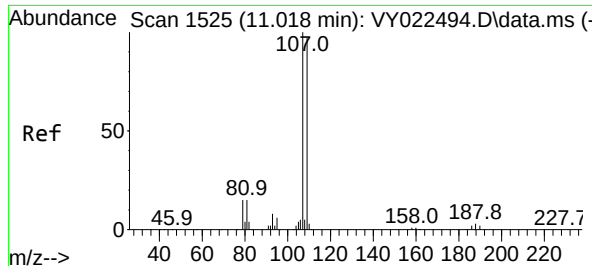
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#60
Dibromochloromethane
Concen: 10.694 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

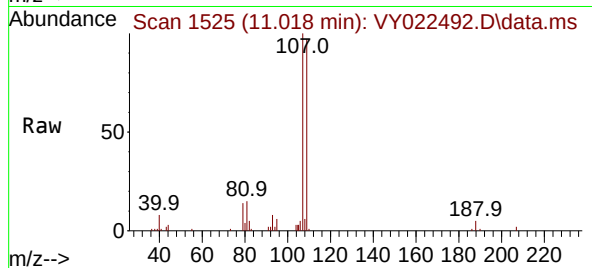
Tgt Ion:129 Resp: 23423
Ion Ratio Lower Upper
129 100
127 79.3 39.1 117.2





#61
1,2-Dibromoethane
Concen: 10.847 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

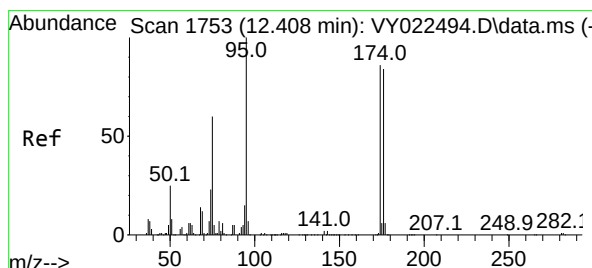
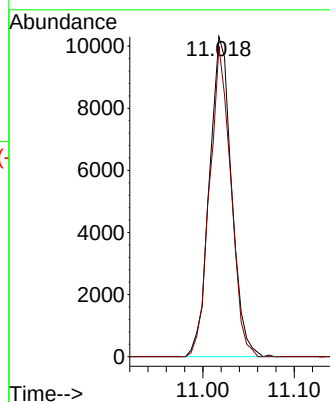
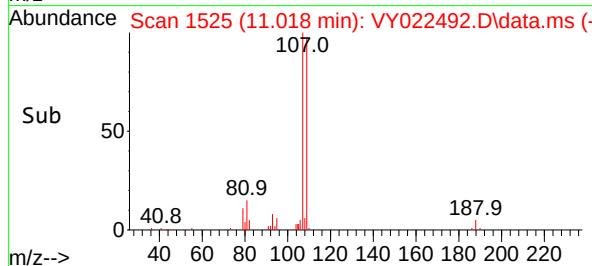
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



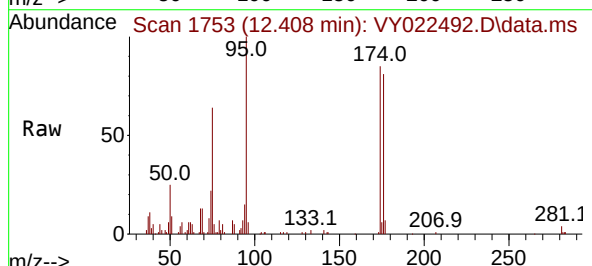
Tgt Ion:107 Resp: 17302
Ion Ratio Lower Upper
107 100
109 93.0 77.7 116.5

Manual Integrations
APPROVED

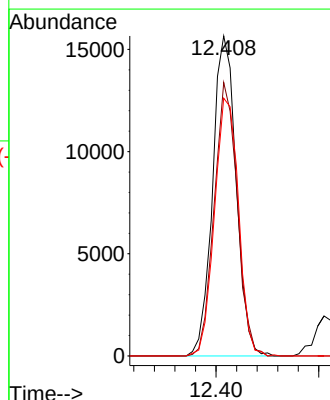
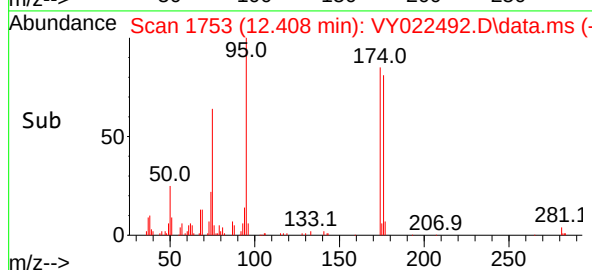
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

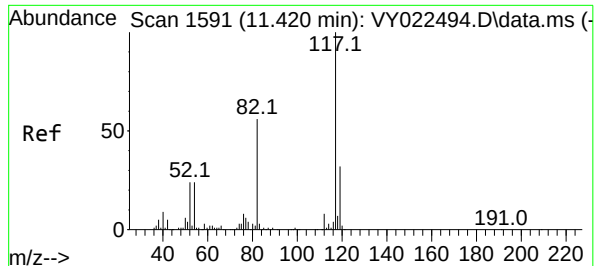


#62
4-Bromofluorobenzene
Concen: 9.409 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



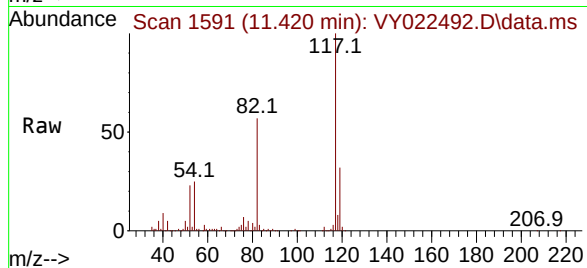
Tgt Ion: 95 Resp: 24870
Ion Ratio Lower Upper
95 100
174 83.4 0.0 170.0
176 82.2 0.0 166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

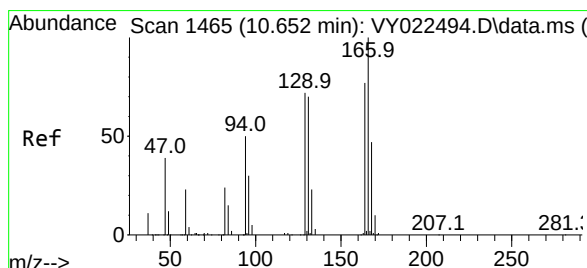
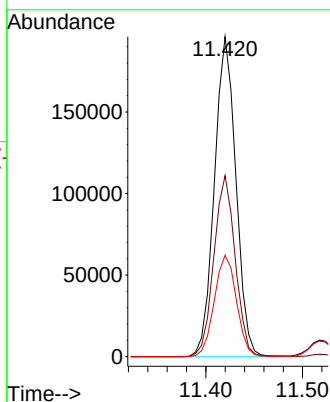
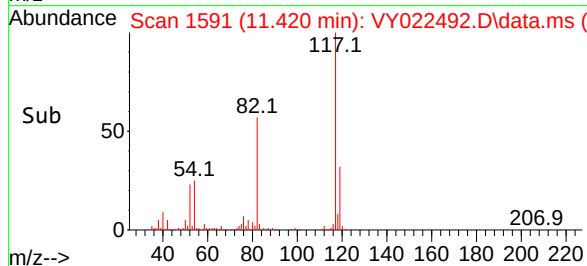
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



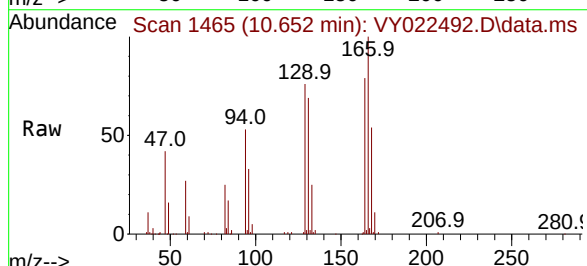
Tgt Ion:117 Resp: 302825
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 31.7 25.4 38.0

Manual Integrations
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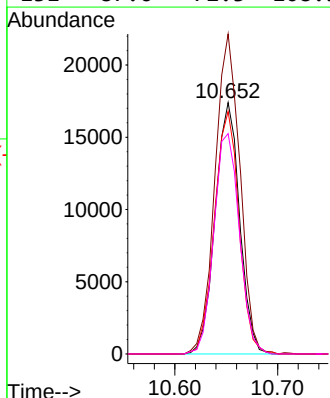
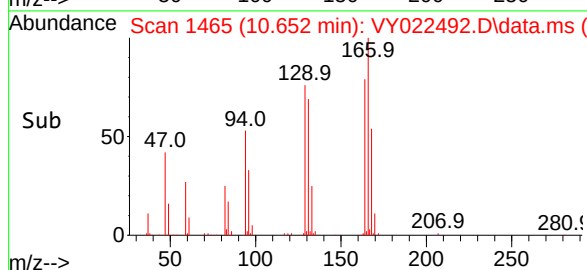
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

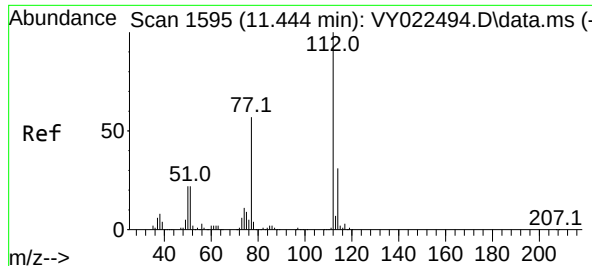


#64
Tetrachloroethene
Concen: 11.144 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



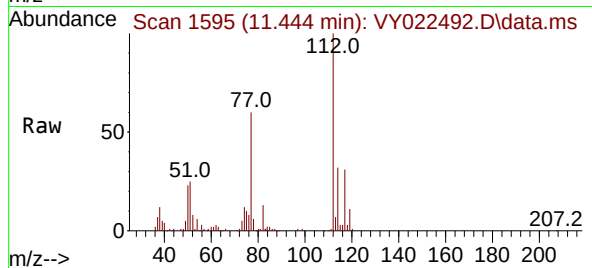
Tgt Ion:164 Resp: 28680
Ion Ratio Lower Upper
164 100
166 127.3 104.0 156.0
129 96.5 74.5 111.7
131 87.6 72.3 108.5





#65
Chlorobenzene
Concen: 10.789 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

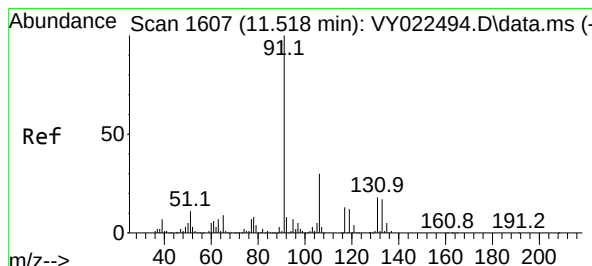
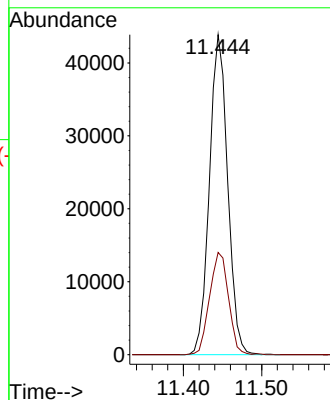
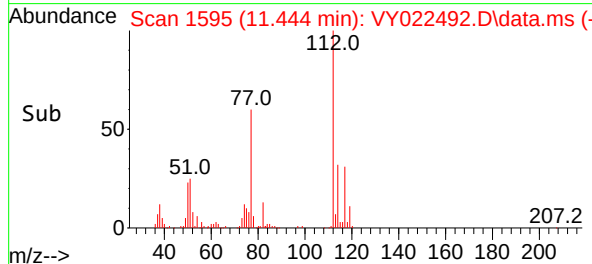
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:112 Resp: 70849
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6

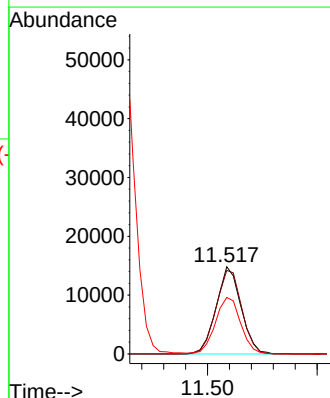
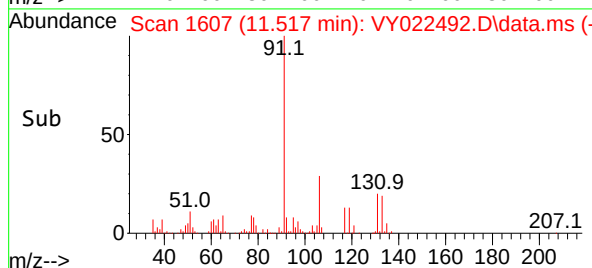
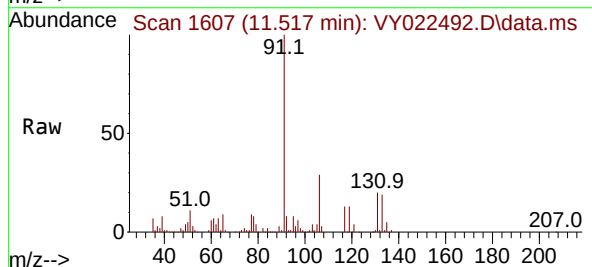
Manual Integrations
APPROVED

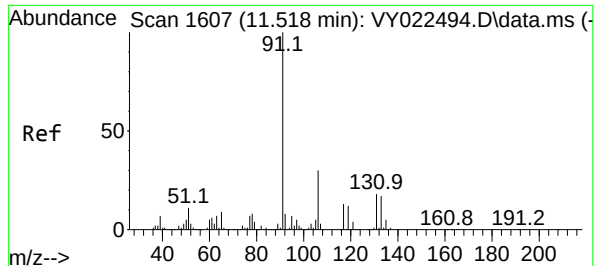
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 10.427 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:131 Resp: 23209
Ion Ratio Lower Upper
131 100
133 100.5 47.3 141.8
119 66.5 33.1 99.3





#67

Ethyl Benzene

Concen: 10.350 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 126550

Ion Ratio Lower Upper

91 100

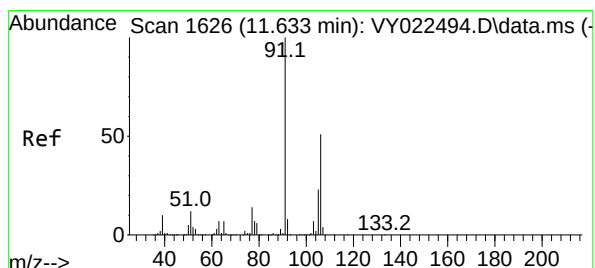
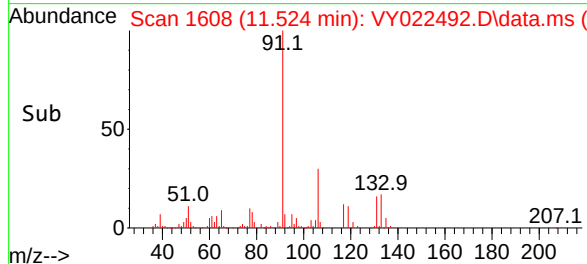
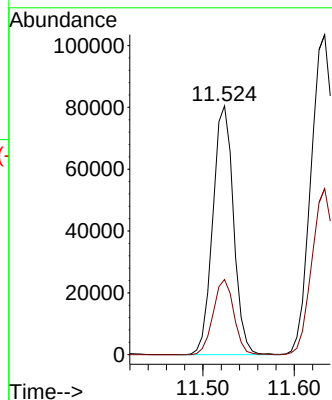
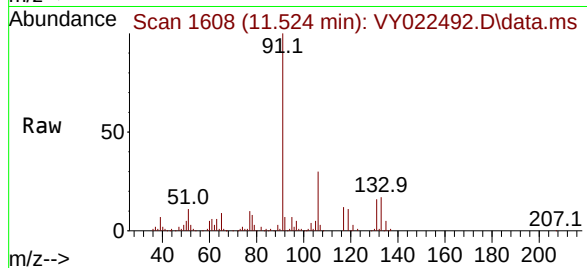
106 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#68

m/p-Xylenes

Concen: 20.427 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. -0.000 min

Lab File: VY022492.D

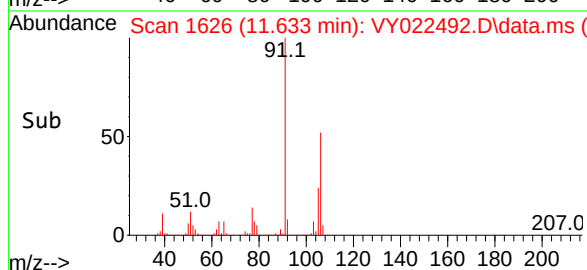
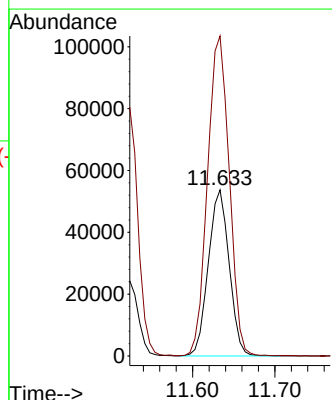
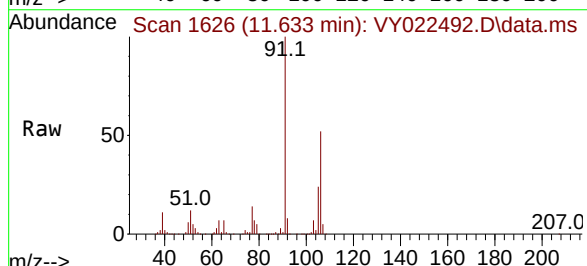
Acq: 02 Jun 2025 12:09

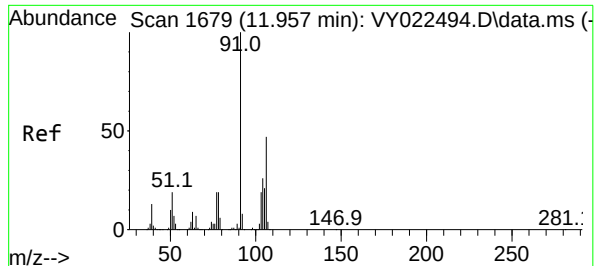
Tgt Ion:106 Resp: 94535

Ion Ratio Lower Upper

106 100

91 200.7 159.4 239.0





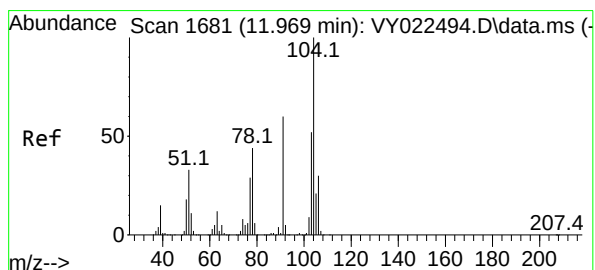
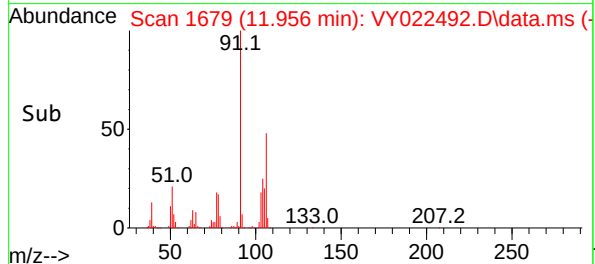
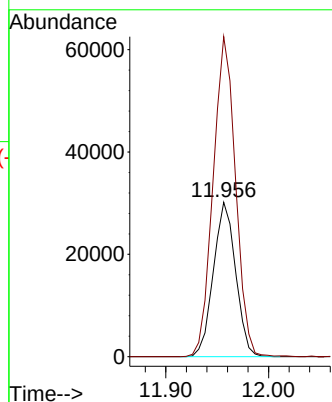
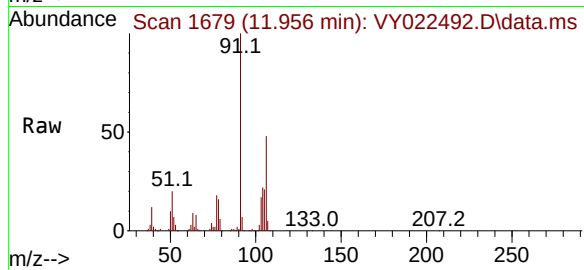
#69
o-Xylene
Concen: 10.476 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 45374
Ion Ratio Lower Upper
106 100
91 209.3 105.8 317.3

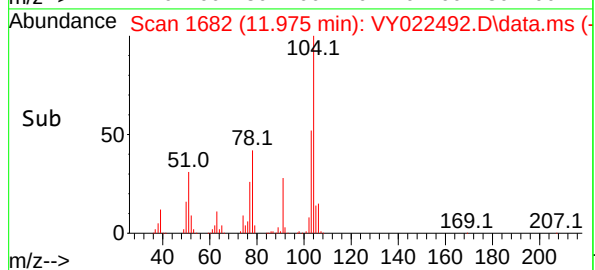
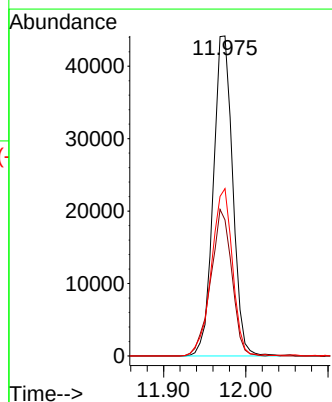
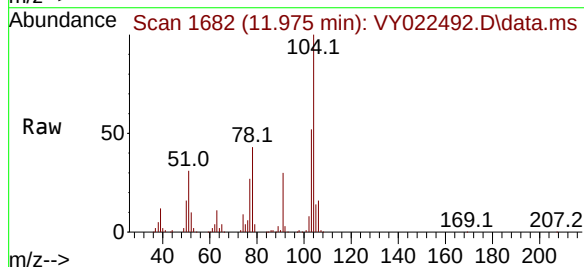
Manual Integrations
APPROVED

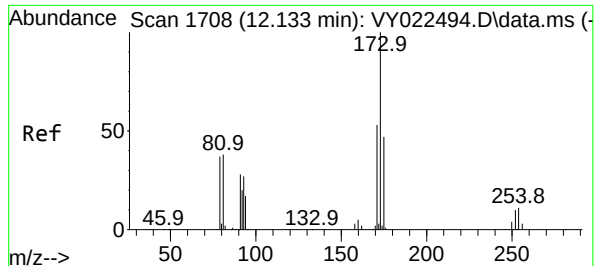
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#70
Styrene
Concen: 10.092 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

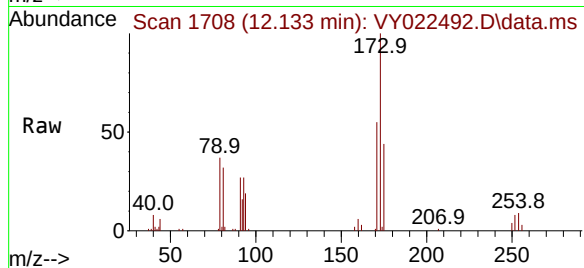
Tgt Ion:104 Resp: 72373
Ion Ratio Lower Upper
104 100
78 49.8 39.5 59.3
103 56.9 44.1 66.1





#71
Bromoform
Concen: 10.804 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

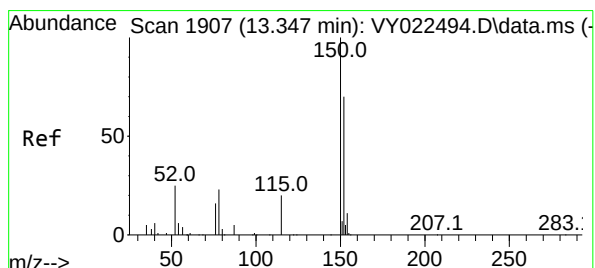
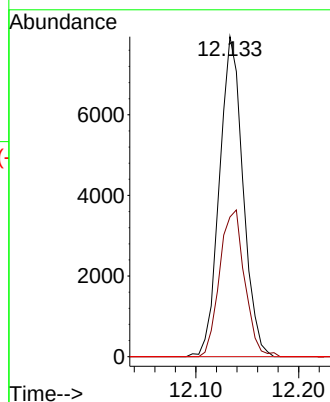
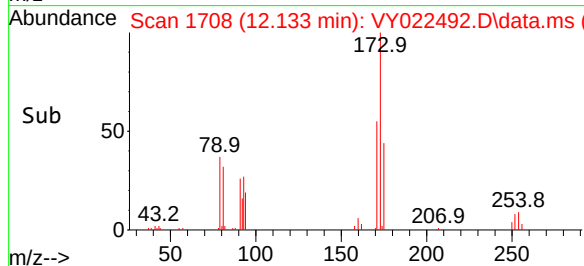
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



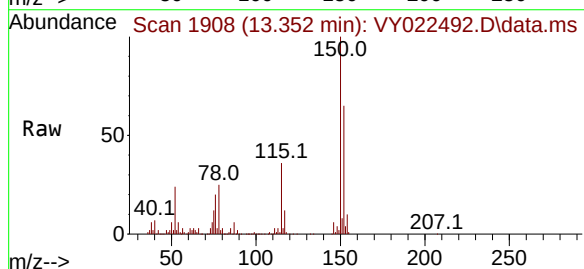
Tgt Ion:173 Resp: 1263
Ion Ratio Lower Upper
173 100
175 48.6 23.8 71.5
254 0.0 0.0 0.0

Manual Integrations
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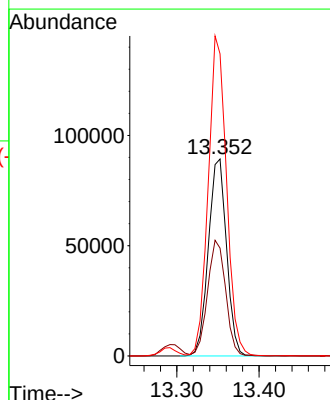
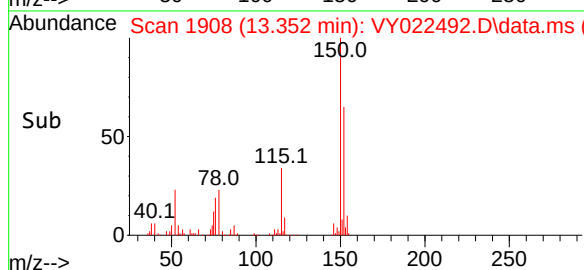
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

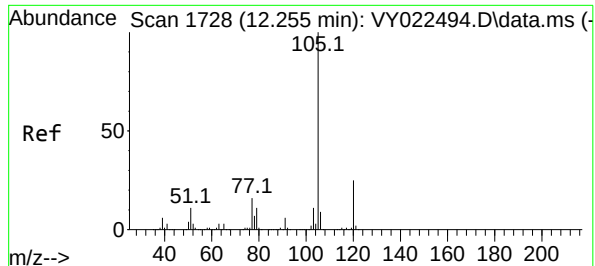


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



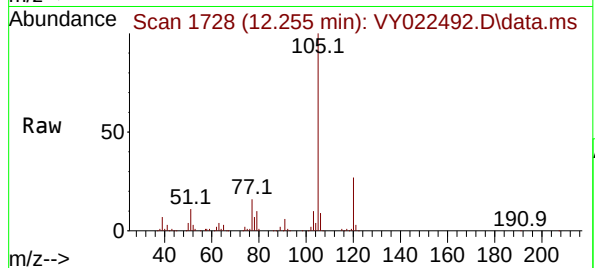
Tgt Ion:152 Resp: 137338
Ion Ratio Lower Upper
152 100
115 58.4 28.9 86.7
150 162.7 0.0 349.6





#73
Isopropylbenzene
Concen: 10.695 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

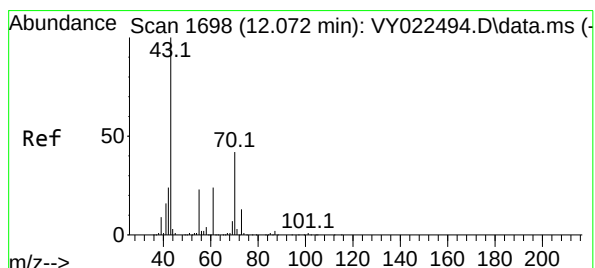
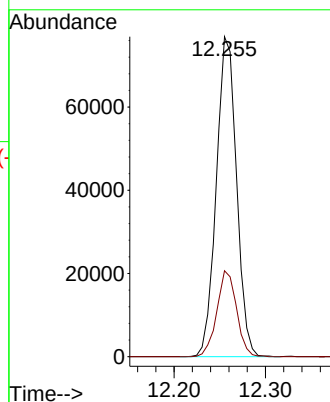
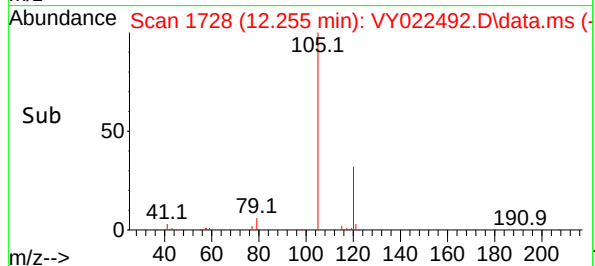
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 11834
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9

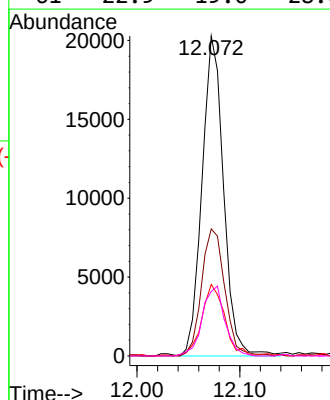
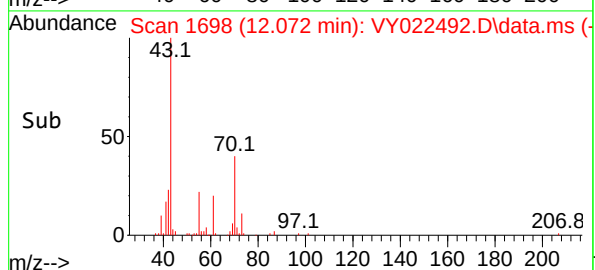
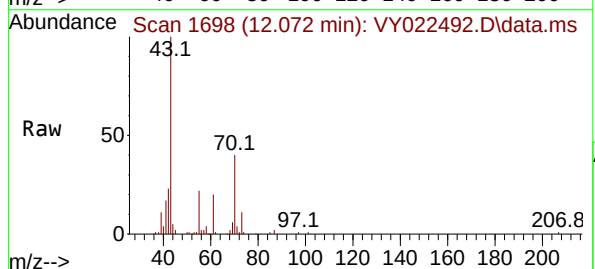
Manual Integrations
APPROVED

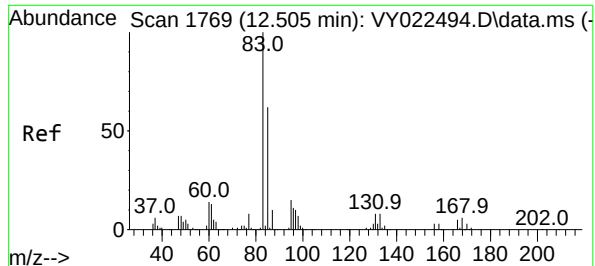
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#74
N-ethyl acetate
Concen: 10.581 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 29609
Ion Ratio Lower Upper
43 100
70 42.8 34.2 51.2
55 23.8 18.2 27.4
61 22.9 19.0 28.6





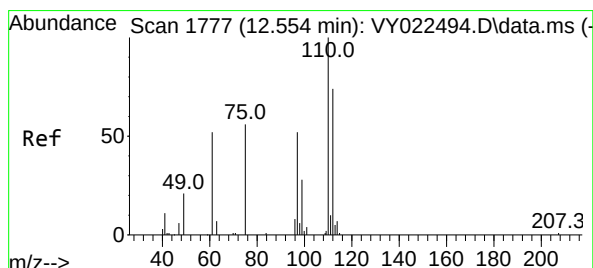
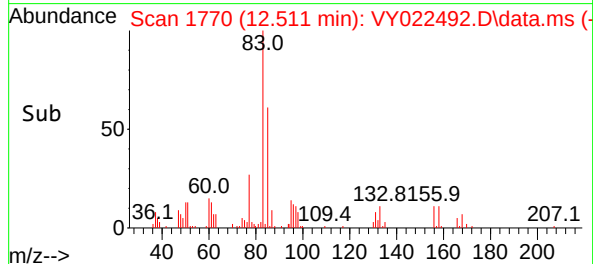
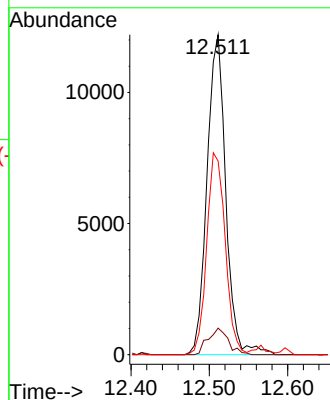
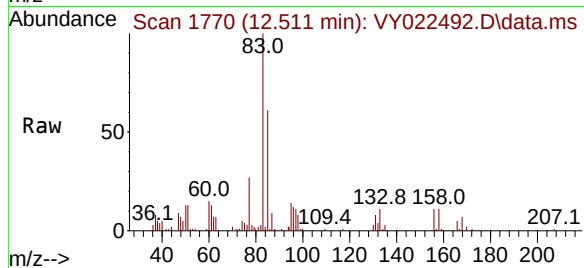
#75
1,1,2-Tetrachloroethane
Concen: 11.276 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion	83	Resp	2026
Ion Ratio	100		
Lower			
Upper			
83	100		
131	9.0	4.9	14.7
85	62.2	32.6	97.8

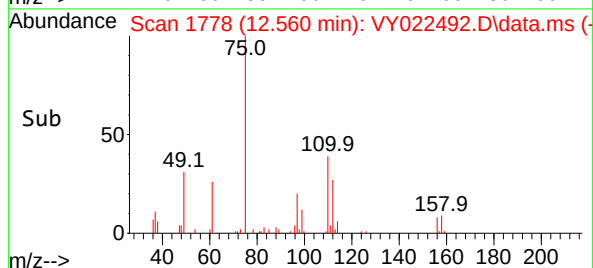
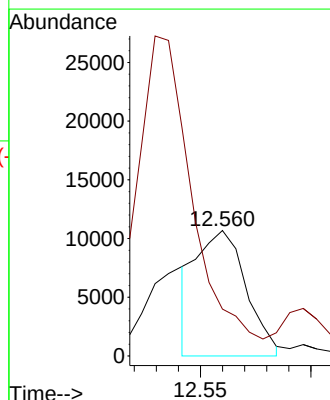
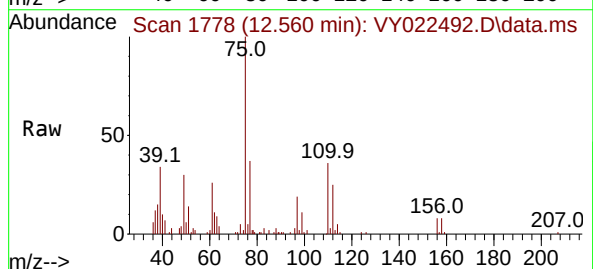
Manual Integrations
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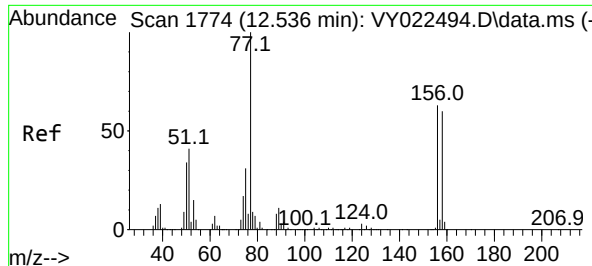
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#76
1,2,3-Trichloropropane
Concen: 9.239 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion	75	Resp	16751
Ion Ratio	100		
Lower			
Upper			
75	100		
77	0.0	0.0	0.0





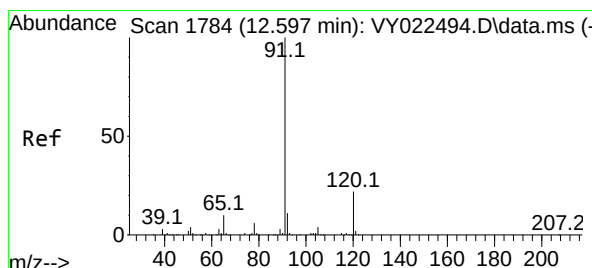
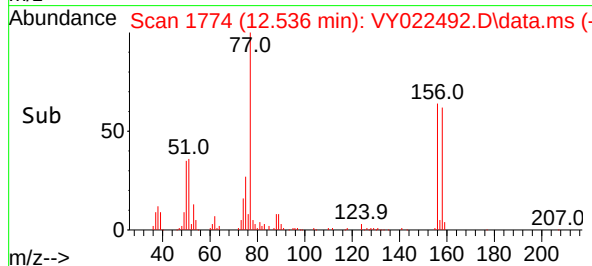
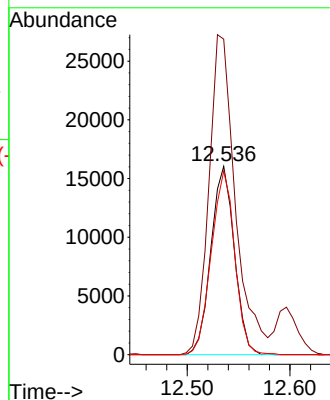
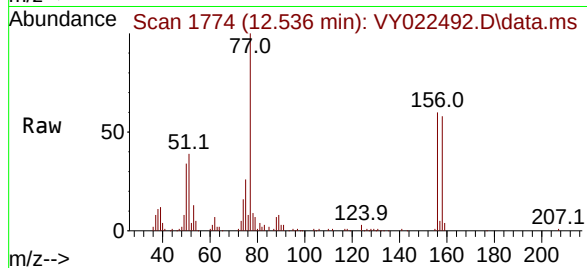
#77
Bromobenzene
Concen: 10.827 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 25392
Ion Ratio Lower Upper
156 100
77 191.7 94.0 282.1
158 97.6 48.2 144.6

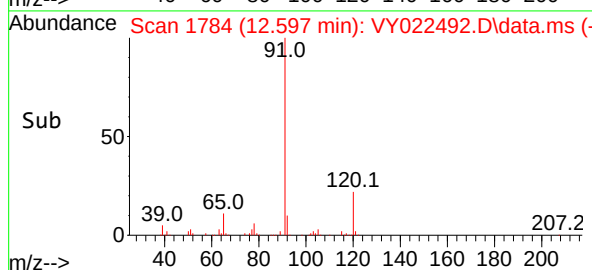
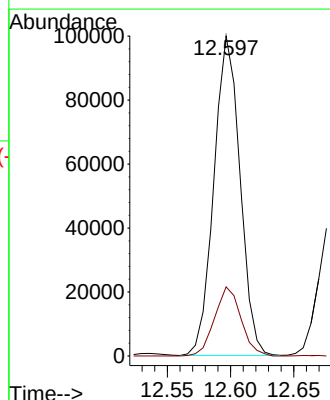
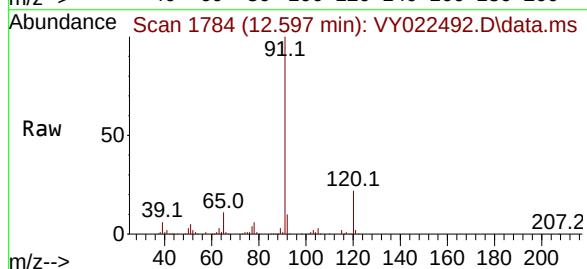
Manual Integrations
APPROVED

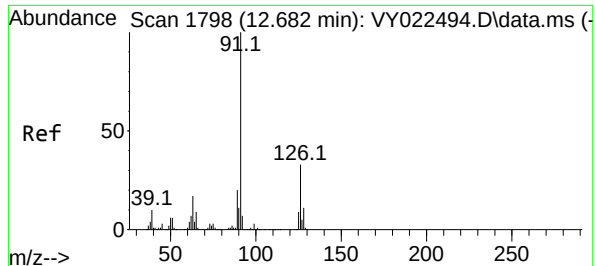
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#78
n-propylbenzene
Concen: 10.648 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

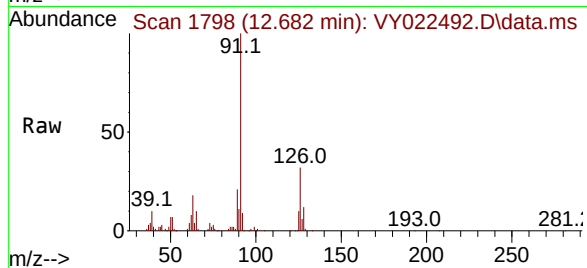
Tgt Ion: 91 Resp: 143414
Ion Ratio Lower Upper
91 100
120 21.8 10.8 32.4





#79
2-Chlorotoluene
Concen: 10.591 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

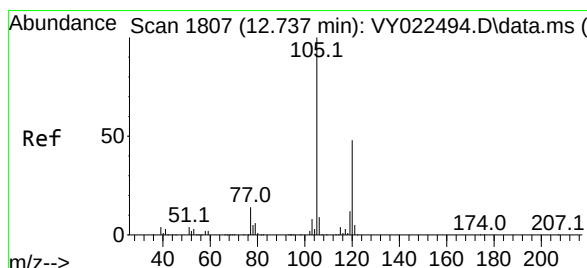
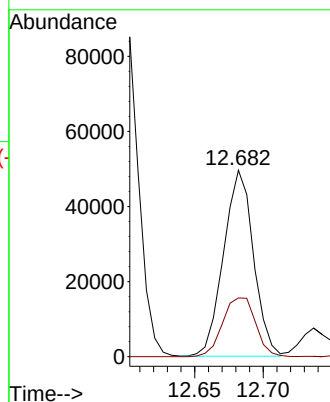
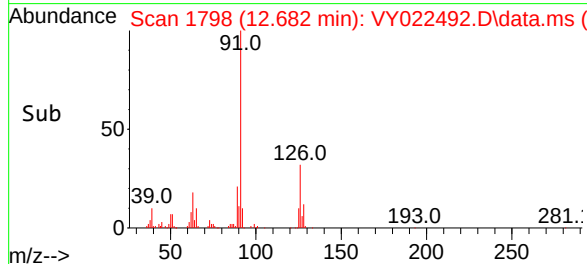
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



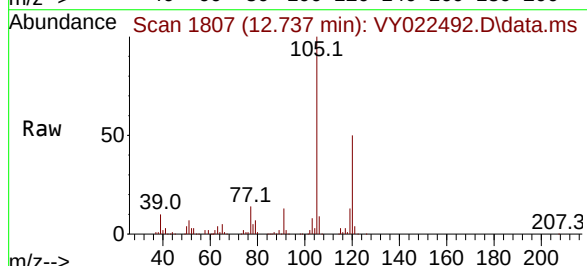
Tgt Ion: 91 Resp: 75329
Ion Ratio Lower Upper
91 100
126 35.0 17.0 51.0

Manual Integrations
APPROVED

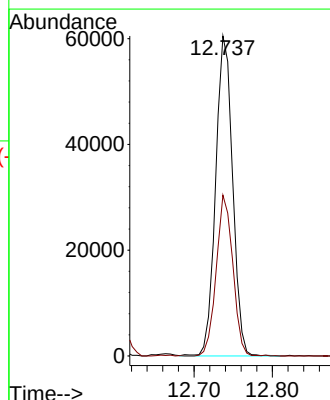
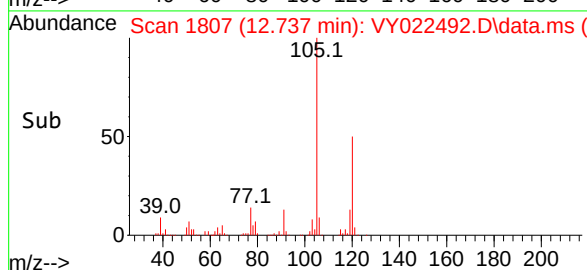
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

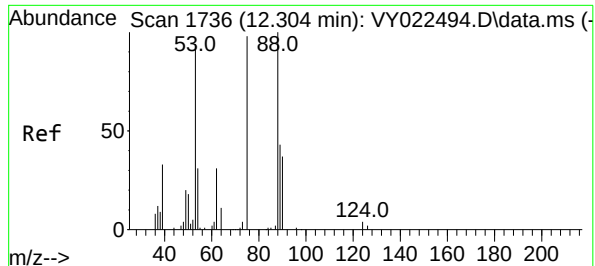


#80
1,3,5-Trimethylbenzene
Concen: 10.532 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



Tgt Ion:105 Resp: 91121
Ion Ratio Lower Upper
105 100
120 49.2 24.1 72.4





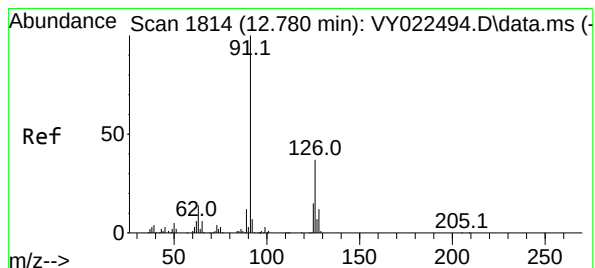
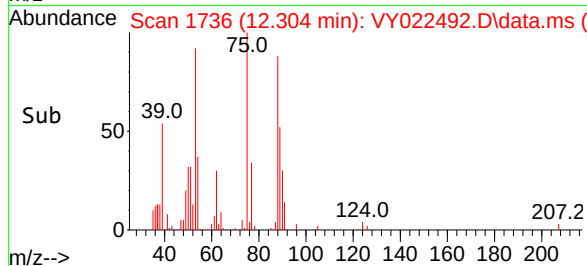
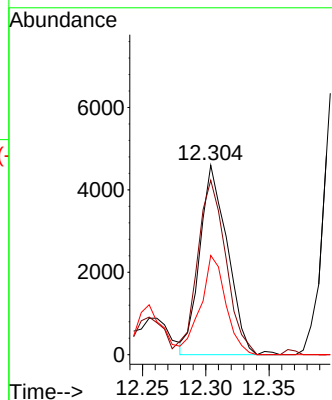
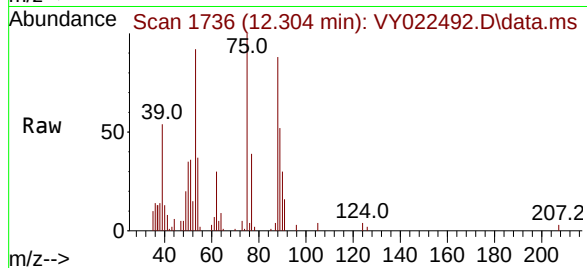
#81
trans-1,4-Dichloro-2-butene
Concen: 11.084 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 75 Resp: 7009
Ion Ratio Lower Upper
75 100
53 94.7 78.5 117.7
89 47.6 35.7 53.5

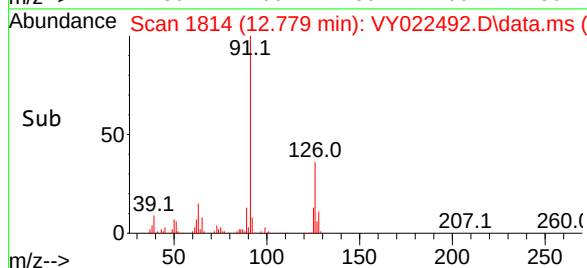
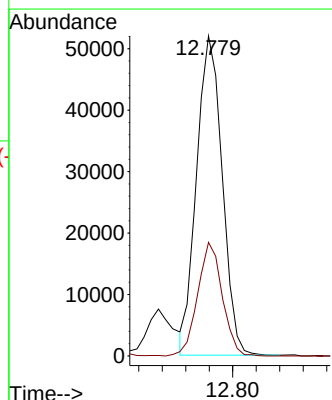
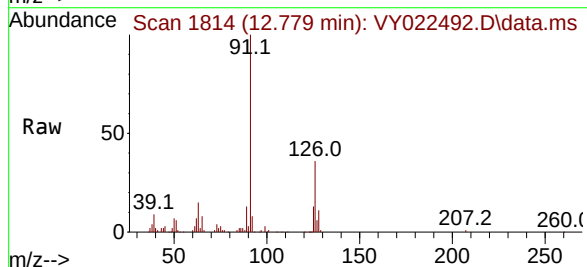
Manual Integrations
APPROVED

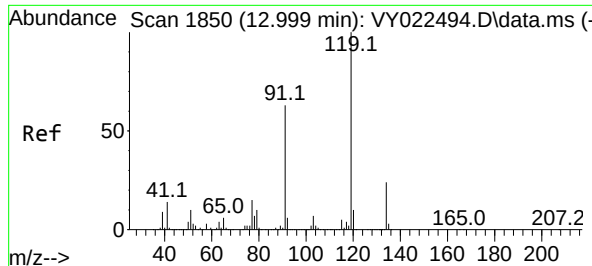
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#82
4-Chlorotoluene
Concen: 10.676 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 78689
Ion Ratio Lower Upper
91 100
126 34.2 17.0 50.9





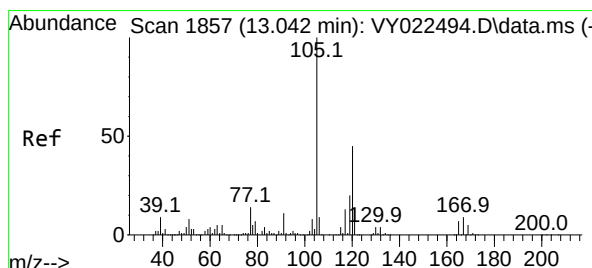
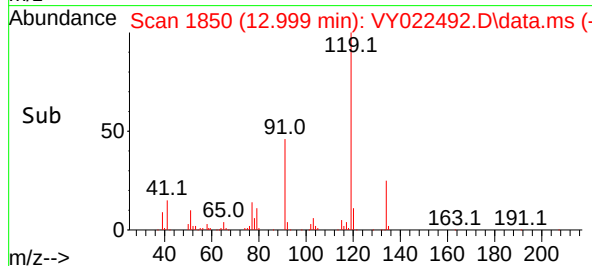
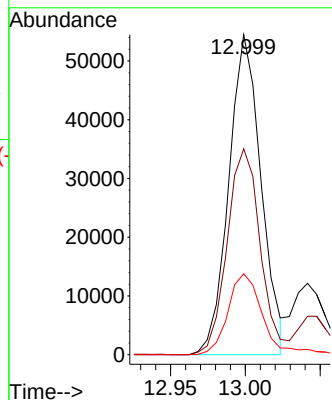
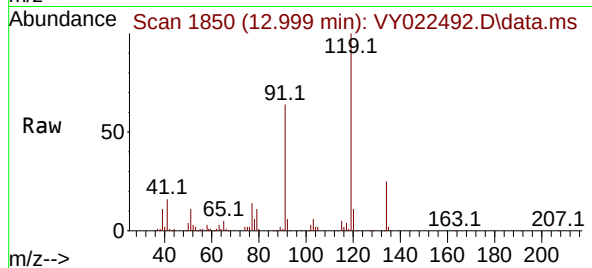
#83
tert-Butylbenzene
Concen: 10.367 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.1	96.3
134	27.2	13.0	38.9

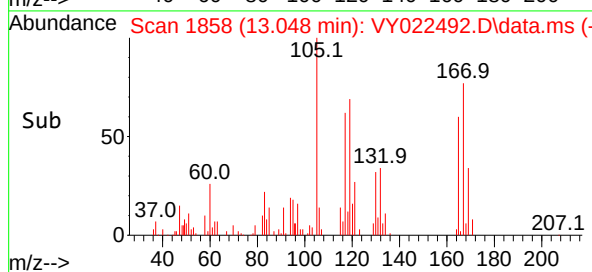
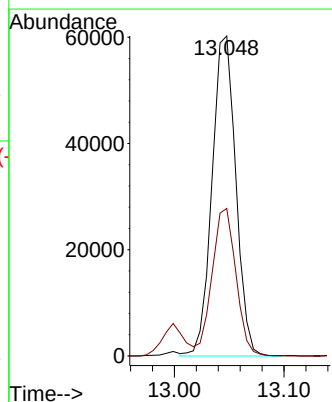
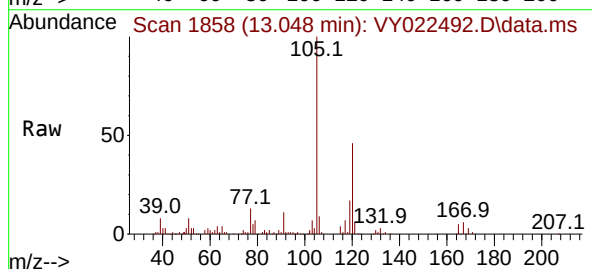
Manual Integrations
APPROVED

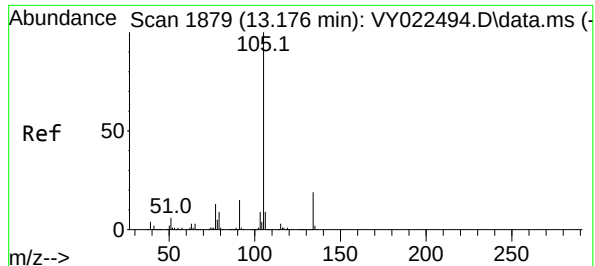
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#84
1,2,4-Trimethylbenzene
Concen: 10.495 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

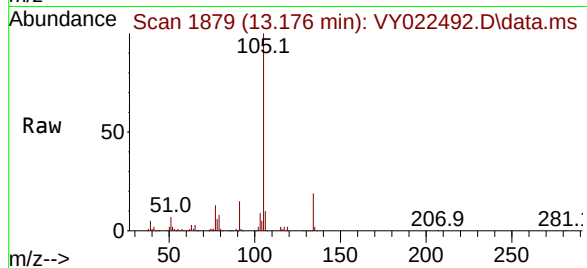
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.7	68.1





#85
sec-Butylbenzene
Concen: 10.678 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

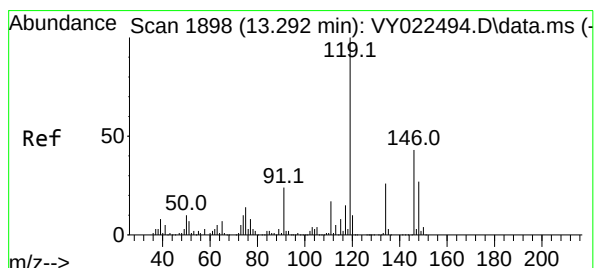
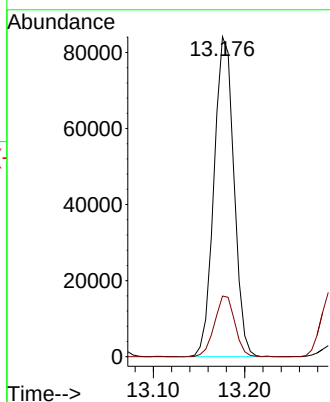
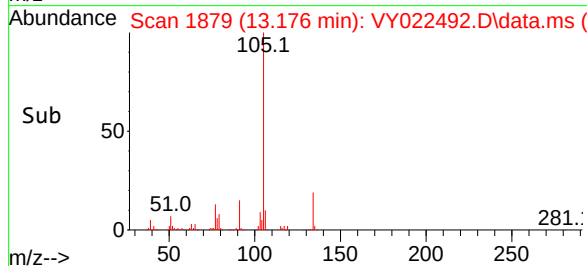
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



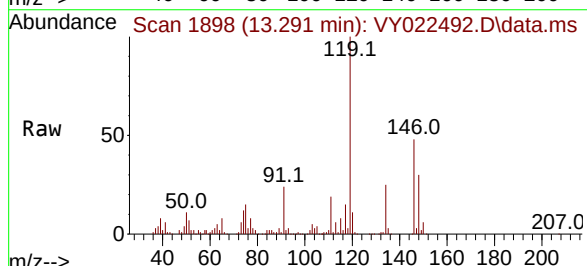
Tgt Ion:105 Resp: 127776
Ion Ratio Lower Upper
105 100
134 19.3 9.7 28.9

Manual Integrations
APPROVED

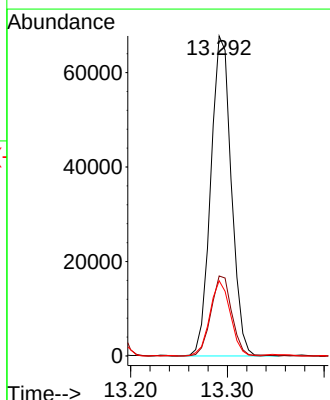
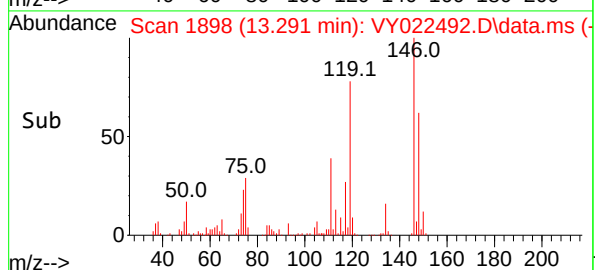
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

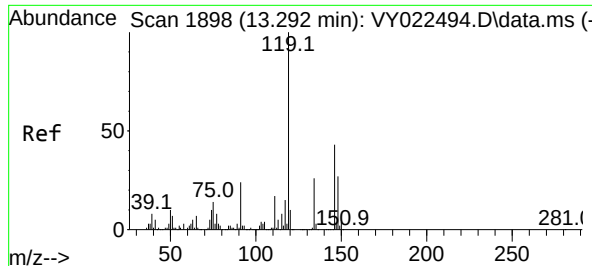


#86
p-Isopropyltoluene
Concen: 10.158 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



Tgt Ion:119 Resp: 99940
Ion Ratio Lower Upper
119 100
134 25.2 13.1 39.1
91 23.5 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 10.437 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

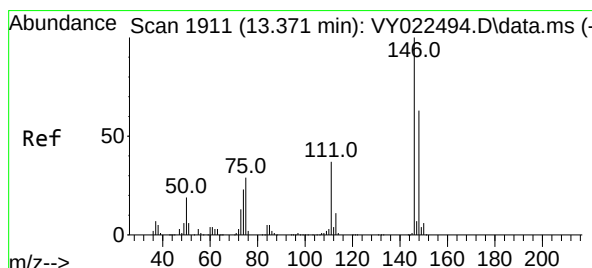
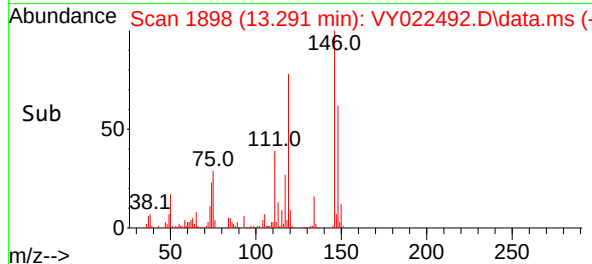
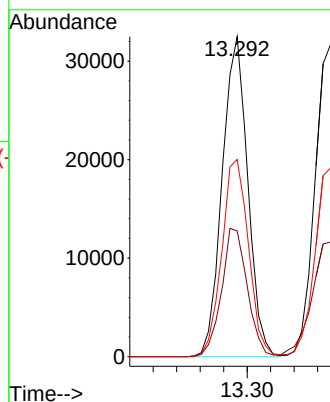
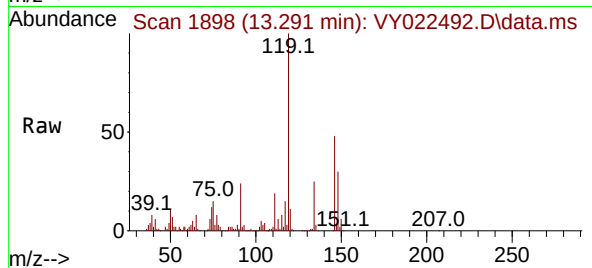
VSTDIC010

Tgt Ion:146	Resp:	4897
Ion Ratio	Lower	Upper
146	100	
111	40.6	20.1 60.2
148	64.6	32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#88

1,4-Dichlorobenzene

Concen: 10.900 ug/l

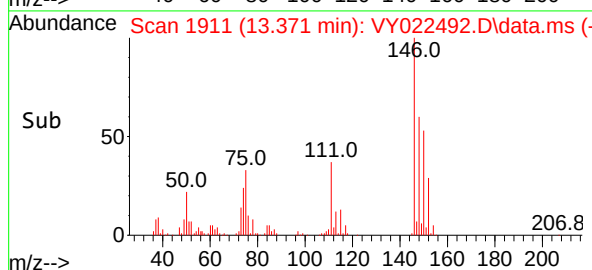
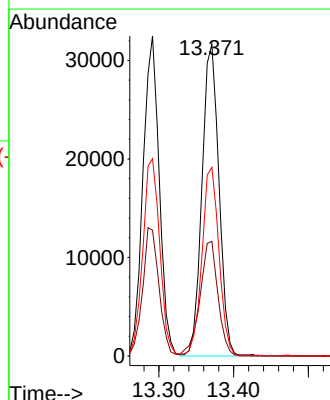
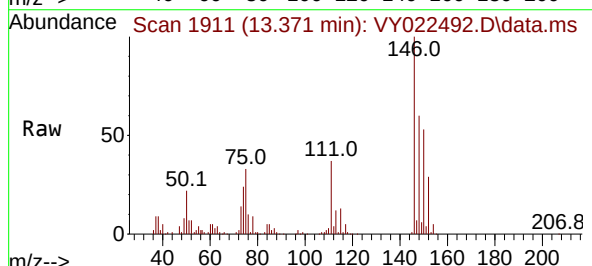
RT: 13.371 min Scan# 1911

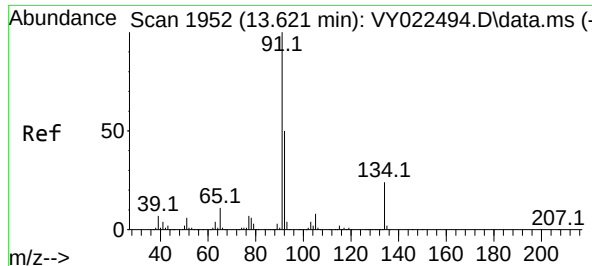
Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Tgt Ion:146	Resp:	49834
Ion Ratio	Lower	Upper
146	100	
111	39.2	19.4 58.2
148	60.6	31.6 94.8





#89

n-Butylbenzene

Concen: 10.413 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

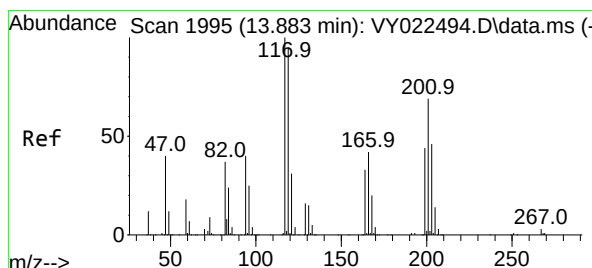
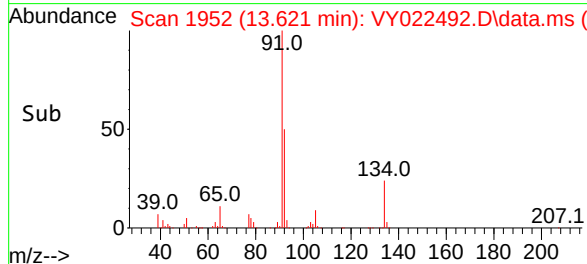
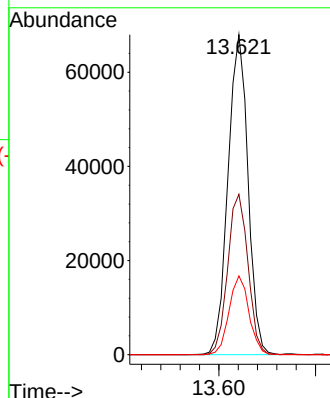
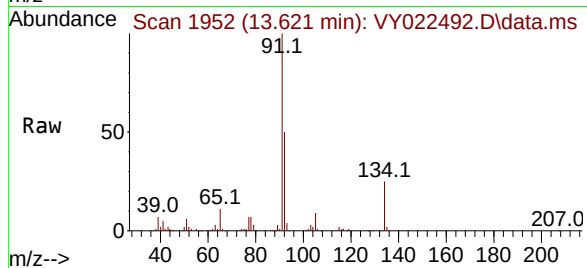
VSTDIC010

Tgt Ion:	91	Resp:	97544
Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.9	77.8
134	24.6	12.0	36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#90

Hexachloroethane

Concen: 10.631 ug/l

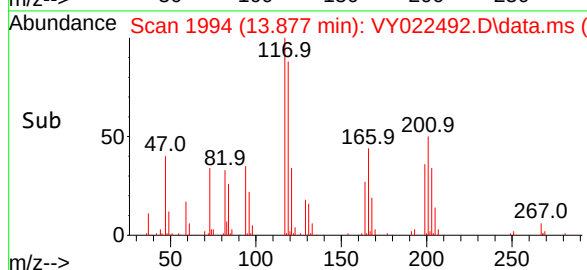
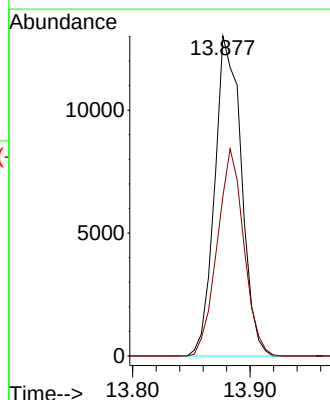
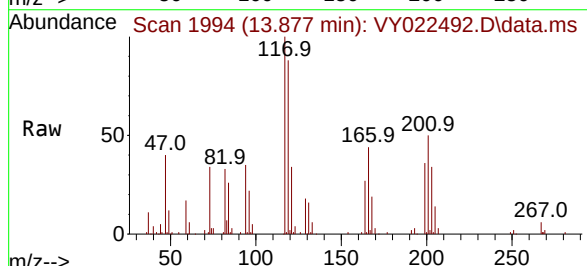
RT: 13.877 min Scan# 1994

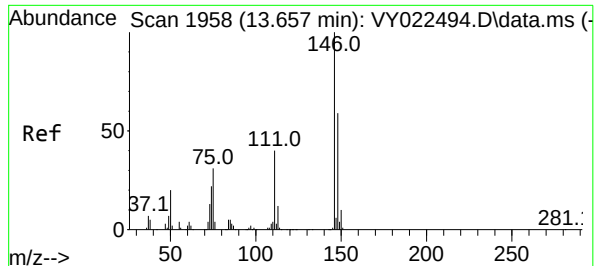
Delta R.T. -0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

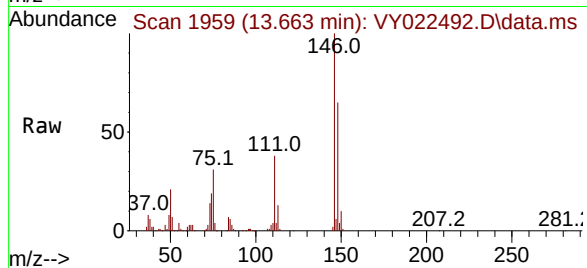
Tgt Ion:	117	Resp:	20466
Ion	Ratio	Lower	Upper
117	100		
201	64.9	34.0	102.0





#91
1,2-Dichlorobenzene
Concen: 10.781 ug/l
RT: 13.663 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

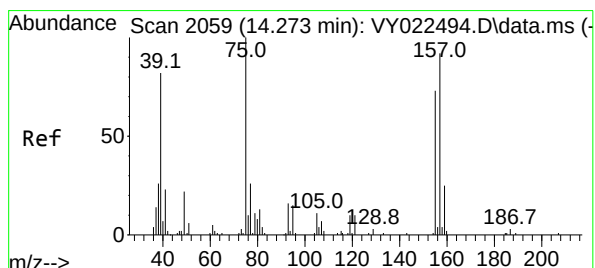
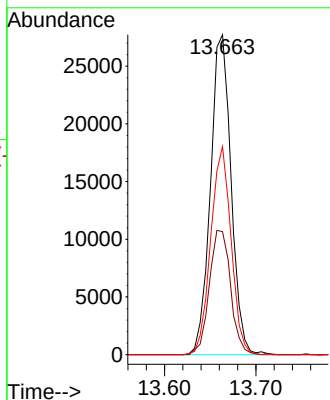
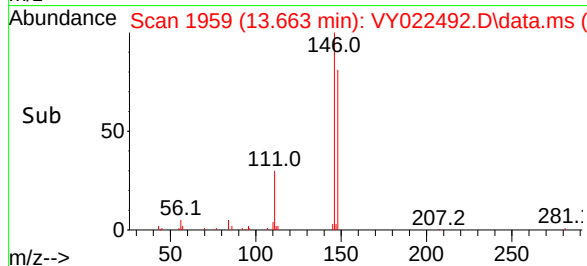
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:146 Resp: 43460
Ion Ratio Lower Upper
146 100
111 40.0 20.2 60.6
148 64.0 31.4 94.0

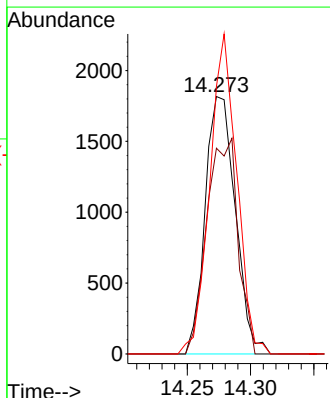
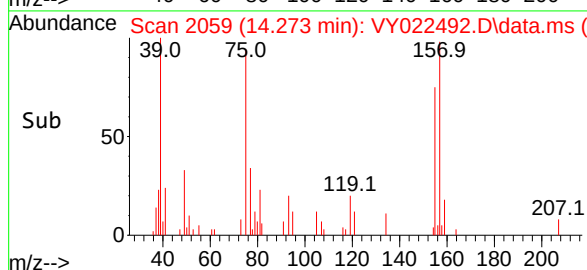
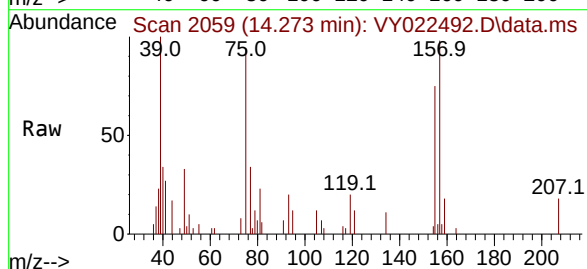
Manual Integrations
APPROVED

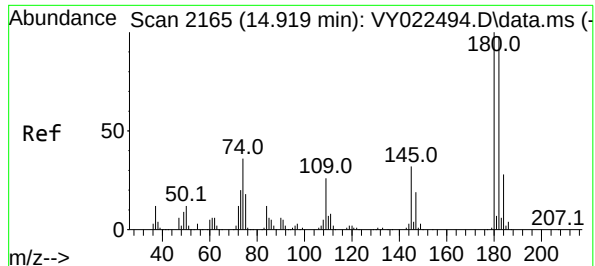
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 11.095 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 3014
Ion Ratio Lower Upper
75 100
155 86.2 39.9 119.6
157 111.3 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 10.760 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:180 Resp: 23710

Ion Ratio Lower Upper

180 100

182 94.9 48.4 145.3

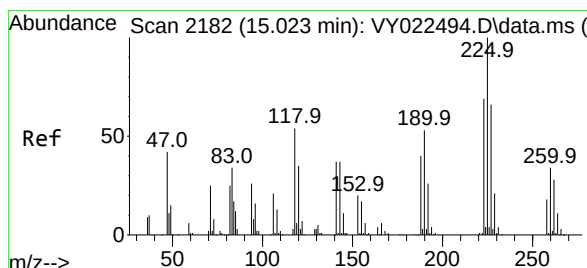
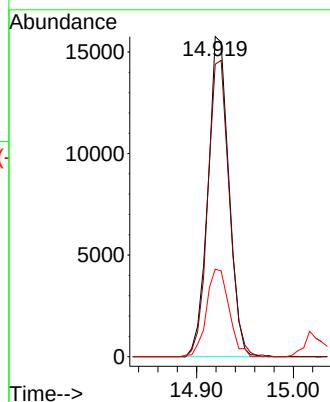
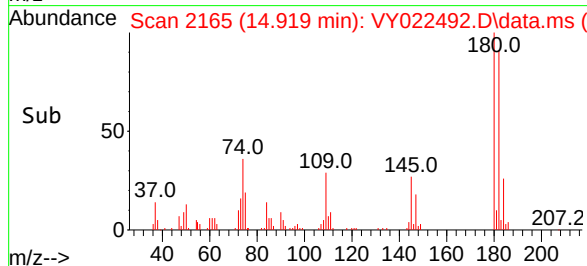
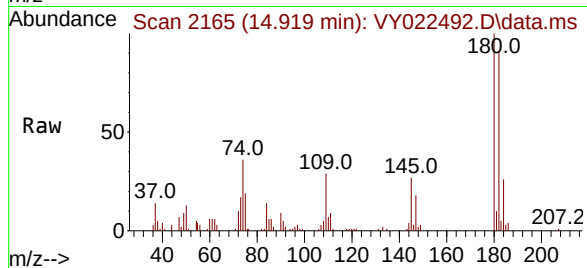
145 29.5 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#94

Hexachlorobutadiene

Concen: 10.951 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

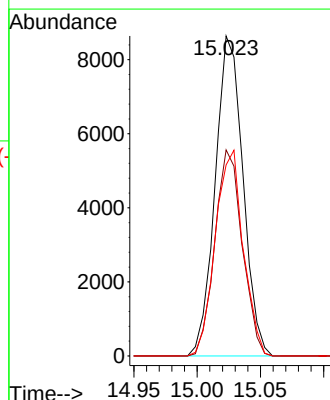
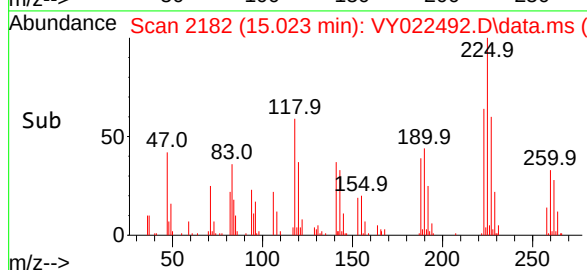
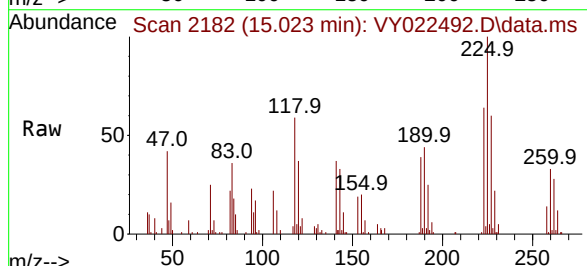
Tgt Ion:225 Resp: 13179

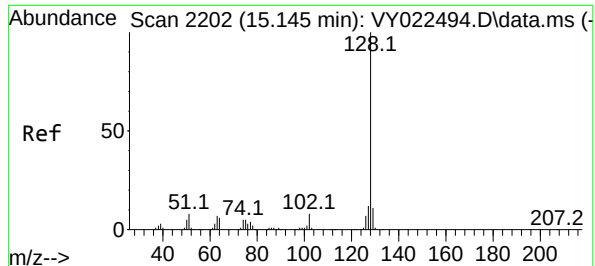
Ion Ratio Lower Upper

225 100

223 63.6 32.5 97.4

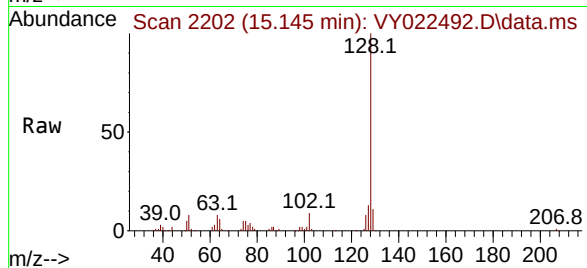
227 64.7 32.3 96.9





#95
Naphthalene
Concen: 10.434 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

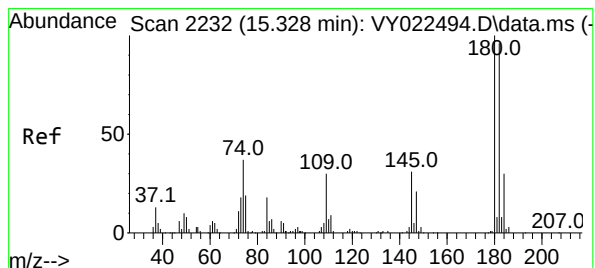
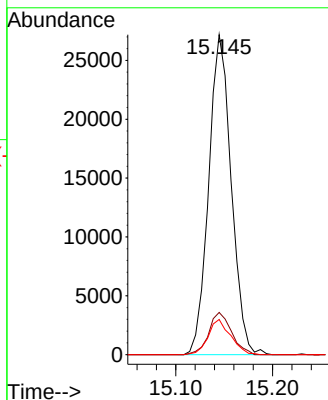
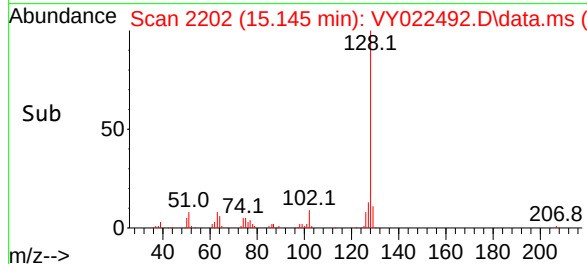
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



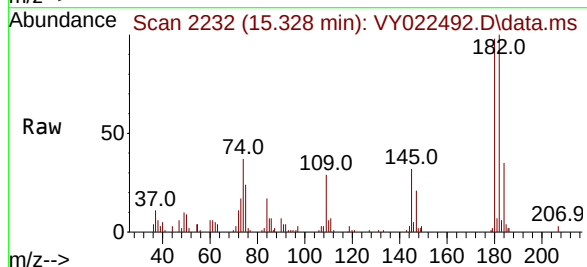
Tgt Ion:128 Resp: 4406
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.9 8.9 13.3

Manual Integrations
APPROVED

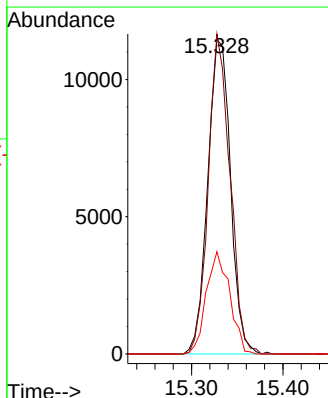
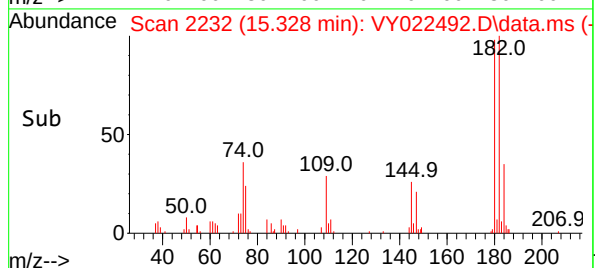
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 10.581 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



Tgt Ion:180 Resp: 19814
Ion Ratio Lower Upper
180 100
182 97.1 47.1 141.3
145 33.5 15.2 45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022493.D
 Acq On : 02 Jun 2025 12:32
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	217359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48383	20.457	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.920%#		
35) Dibromofluoromethane	7.640	113	44482	20.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.920%#		
50) Toluene-d8	10.109	98	171165	19.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	12.408	95	51231	19.225	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	43056	22.669	ug/l	99
3) Chloromethane	2.068	50	124441	22.209	ug/l	98
4) Vinyl Chloride	2.208	62	143182	21.833	ug/l	99
5) Bromomethane	2.592	94	148203	23.891	ug/l	99
6) Chloroethane	2.739	64	104116	23.188	ug/l	98
7) Trichlorofluoromethane	3.056	101	124370	22.320	ug/l	94
8) Diethyl Ether	3.458	74	27359	22.230	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49746	21.283	ug/l	99
10) Methyl Iodide	4.013	142	52917	21.112	ug/l	99
11) Tert butyl alcohol	4.891	59	19456	115.163	ug/l	96
12) 1,1-Dichloroethene	3.793	96	47770	21.411	ug/l	100
13) Acrolein	3.659	56	22974	111.404	ug/l	98
14) Allyl chloride	4.391	41	73926	21.263	ug/l	98
15) Acrylonitrile	5.073	53	57803	110.420	ug/l	97
16) Acetone	3.885	43	52330	111.925	ug/l	99
17) Carbon Disulfide	4.110	76	150515	21.130	ug/l	99
18) Methyl Acetate	4.397	43	34419	24.470	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	136549	21.935	ug/l	98
20) Methylene Chloride	4.622	84	55399	21.222	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	53194	21.342	ug/l	93
22) Diisopropyl ether	6.031	45	168064	21.739	ug/l	97
23) Vinyl Acetate	5.970	43	497937	108.569	ug/l	99
24) 1,1-Dichloroethane	5.927	63	97760	21.392	ug/l	97
25) 2-Butanone	6.902	43	77329	112.124	ug/l	93
26) 2,2-Dichloropropane	6.890	77	84543	20.811	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61362	21.300	ug/l	98
28) Bromochloromethane	7.256	49	41634	21.085	ug/l	99
29) Tetrahydrofuran	7.268	42	49517	111.296	ug/l	99
30) Chloroform	7.427	83	96414	21.350	ug/l	96
31) Cyclohexane	7.707	56	95487	20.762	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	84365	20.905	ug/l	99
36) 1,1-Dichloropropene	7.841	75	72658	20.670	ug/l	98
37) Ethyl Acetate	6.988	43	34204	22.110	ug/l	98
38) Carbon Tetrachloride	7.823	117	73370	20.247	ug/l	93
39) Methylcyclohexane	9.115	83	95280	20.065	ug/l	97
40) Benzene	8.085	78	217595	21.000	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022493.D
 Acq On : 02 Jun 2025 12:32
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	19470	19.542	ug/l	95
42) 1,2-Dichloroethane	8.164	62	61097	21.676	ug/l	98
43) Isopropyl Acetate	8.201	43	73745	21.814	ug/l	97
44) Trichloroethene	8.872	130	52175	20.613	ug/l	98
45) 1,2-Dichloropropane	9.146	63	52378	21.204	ug/l	99
46) Dibromomethane	9.237	93	29741	21.491	ug/l	99
47) Bromodichloromethane	9.426	83	73717	20.995	ug/l	99
48) Methyl methacrylate	9.225	41	34508	22.294	ug/l	99
49) 1,4-Dioxane	9.237	88	7444	450.895	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	181461	108.147	ug/l	98
52) Toluene	10.176	92	133601	20.508	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	70358	21.660	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	80524	21.141	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	38079	21.849	ug/l	98
56) Ethyl methacrylate	10.444	69	54734	21.626	ug/l	99
57) 1,3-Dichloropropane	10.719	76	66163	21.317	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	118244	104.797	ug/l	100
59) 2-Hexanone	10.761	43	122817	109.805	ug/l	99
60) Dibromochloromethane	10.914	129	47952	21.715	ug/l	98
61) 1,2-Dibromoethane	11.018	107	35324	21.965	ug/l	95
64) Tetrachloroethene	10.652	164	56256	21.063	ug/l	99
65) Chlorobenzene	11.444	112	138583	20.336	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	47587	20.600	ug/l	98
67) Ethyl Benzene	11.524	91	252180	19.871	ug/l	100
68) m/p-Xylenes	11.633	106	192372	40.053	ug/l	99
69) o-Xylene	11.956	106	90598	20.155	ug/l	98
70) Styrene	11.969	104	149486	20.086	ug/l	98
71) Bromoform	12.133	173	25089	20.668	ug/l #	99
73) Isopropylbenzene	12.255	105	236185	20.303	ug/l	99
74) N-amyl acetate	12.072	43	62437	21.224	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	39986	21.165	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	33589m	17.622	ug/l	
77) Bromobenzene	12.536	156	51416	20.853	ug/l	99
78) n-propylbenzene	12.597	91	286589	20.239	ug/l	99
79) 2-Chlorotoluene	12.682	91	153250	20.497	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	187101	20.570	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	13897	20.904	ug/l	97
82) 4-Chlorotoluene	12.779	91	154601	19.951	ug/l	99
83) tert-Butylbenzene	12.999	119	167512	20.188	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	184202	20.241	ug/l	100
85) sec-Butylbenzene	13.176	105	251350	19.979	ug/l	100
86) p-Isopropyltoluene	13.292	119	207417	20.054	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	99901	20.252	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	100082	20.823	ug/l	98
89) n-Butylbenzene	13.621	91	199786	20.287	ug/l	99
90) Hexachloroethane	13.883	117	41119	20.316	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	89355	21.085	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5939	20.796	ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	46919	20.254	ug/l	99
94) Hexachlorobutadiene	15.023	225	25462	20.124	ug/l	99
95) Naphthalene	15.145	128	93203	20.994	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	41131	20.892	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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\VY060225\
 Data File : VY022493.D
 Acq On : 02 Jun 2025 12:32
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_Y

Client Sample Id :

VSTDIC020

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 06/03/2025

Supervised By : Mahesh Dadoda 06/03/2025

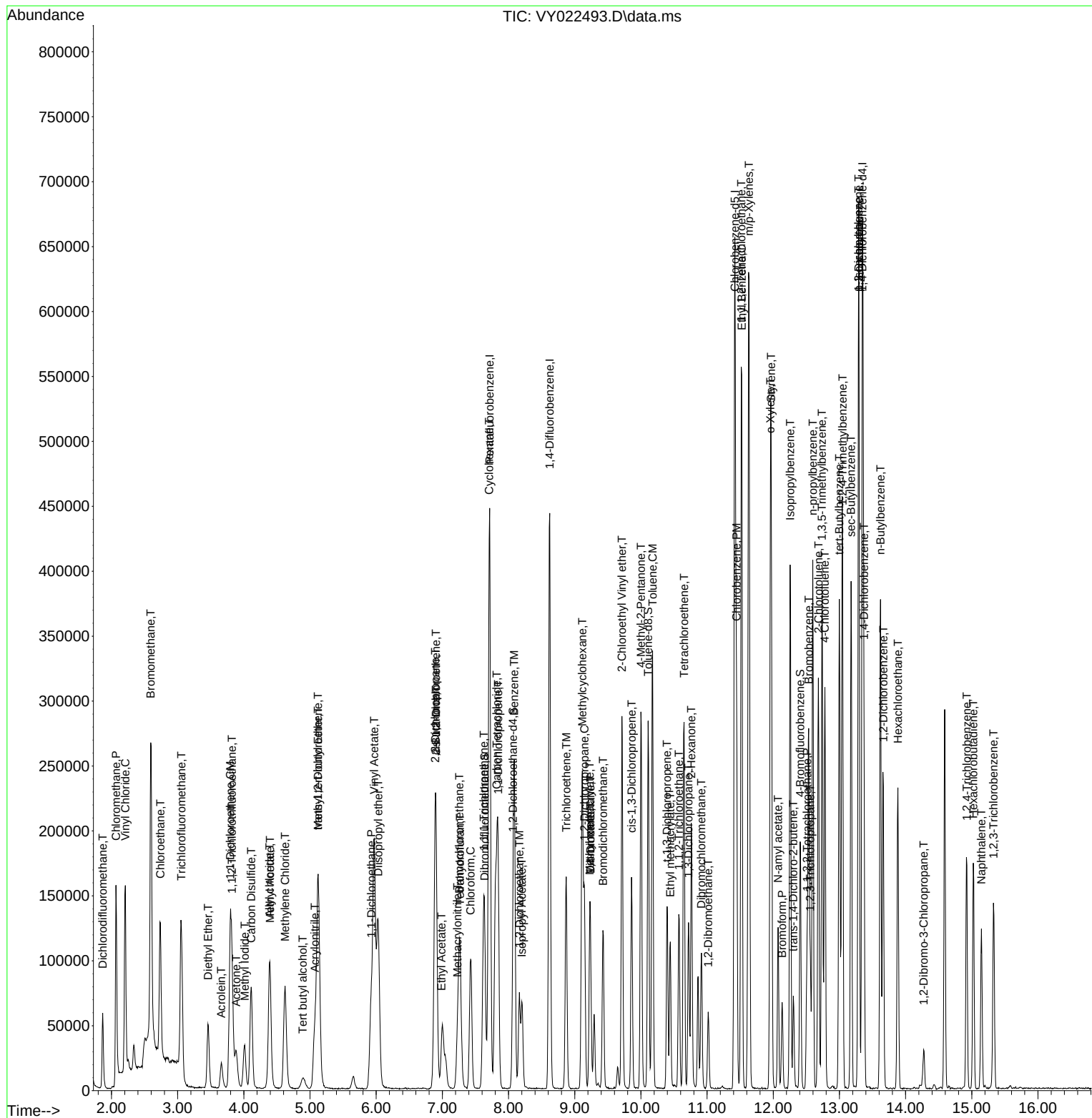
Quant Time: Jun 03 02:54:56 2025

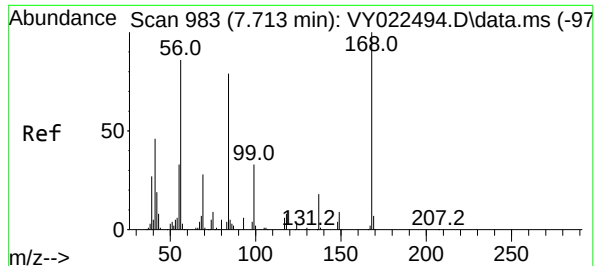
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M

Quant Title : SW846 8260

QLast Update : Tue Jun 03 02:50:07 2025

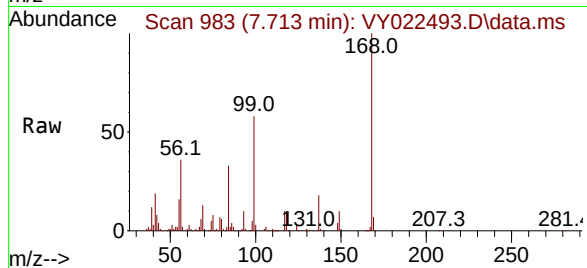
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

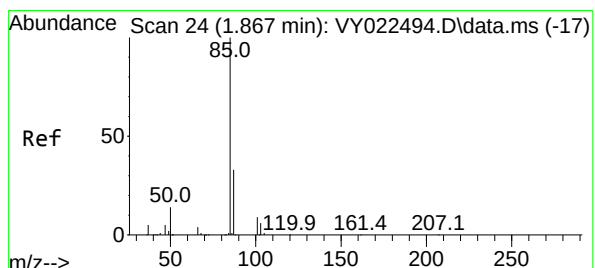
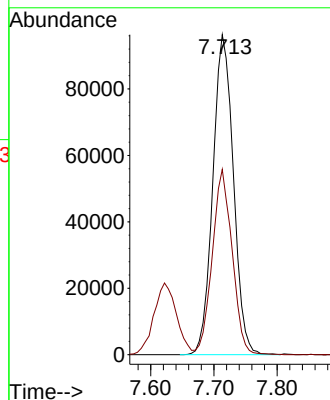
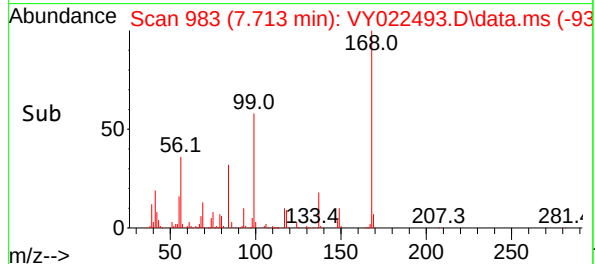
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 217359
Ion Ratio Lower Upper
168 100
99 57.8 44.3 66.5

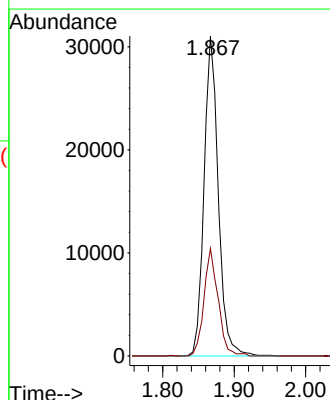
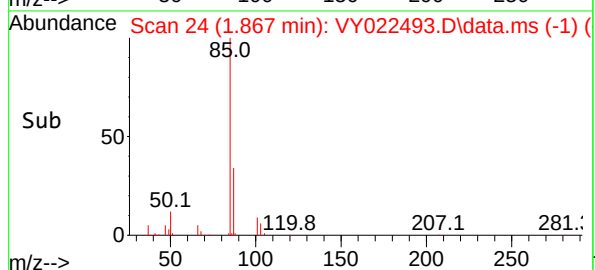
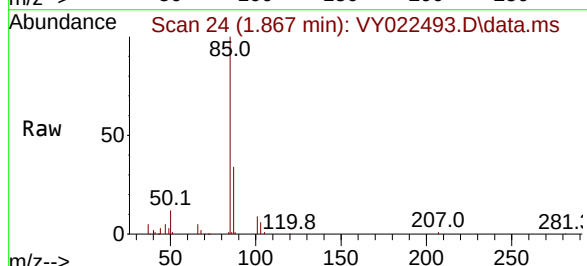
Manual Integrations
APPROVED

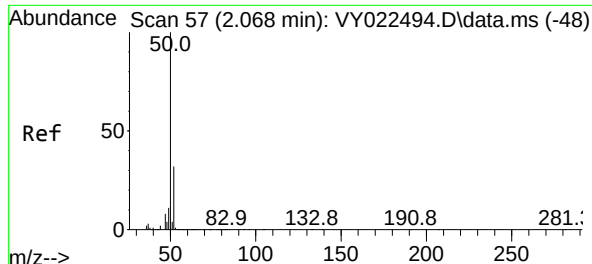
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#2
Dichlorodifluoromethane
Concen: 22.669 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

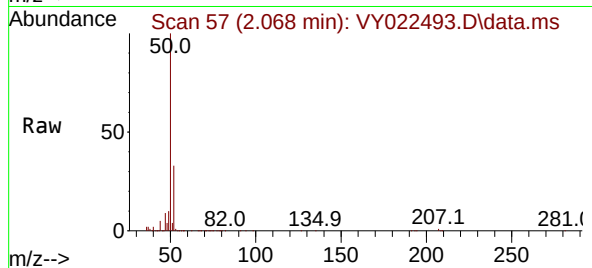
Tgt Ion: 85 Resp: 43056
Ion Ratio Lower Upper
85 100
87 33.6 16.7 50.0





#3
Chloromethane
Concen: 22.209 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

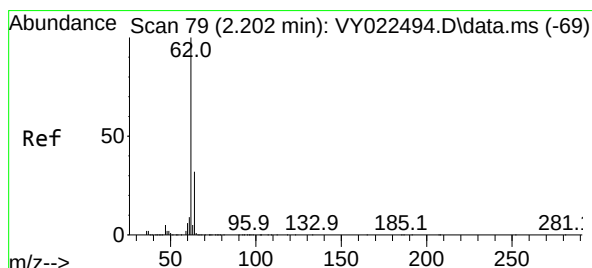
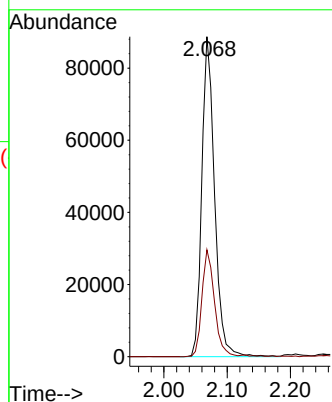
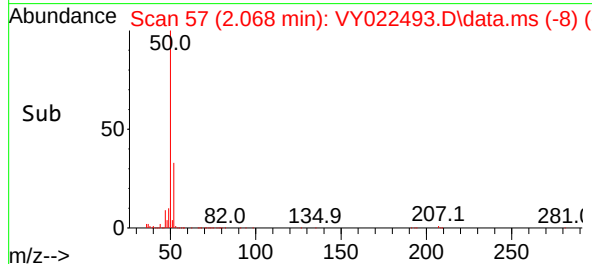
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 50 Resp: 12444
Ion Ratio Lower Upper
50 100
52 33.4 26.0 39.0

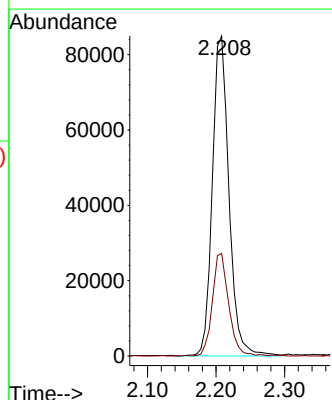
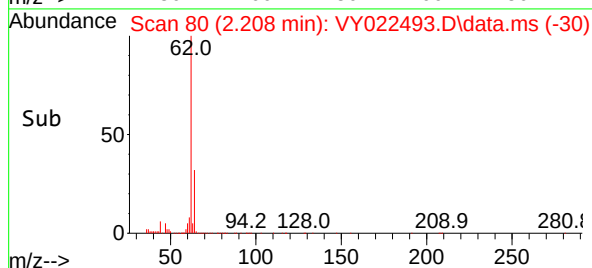
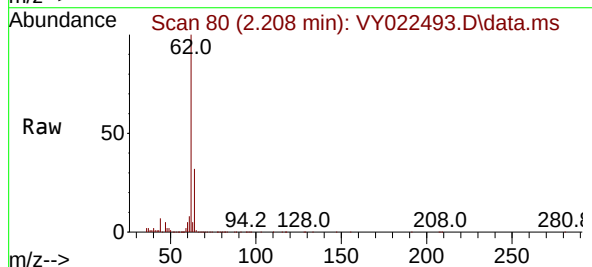
Manual Integrations
APPROVED

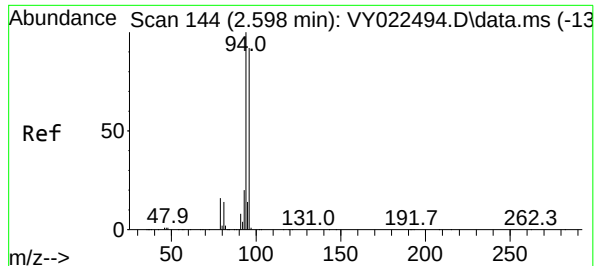
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#4
Vinyl Chloride
Concen: 21.833 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 143182
Ion Ratio Lower Upper
62 100
64 32.0 25.3 37.9





#5

Bromomethane

Concen: 23.891 ug/l

RT: 2.592 min Scan# 144

Delta R.T. -0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 94 Resp: 14820

Ion Ratio Lower Upper

94 100

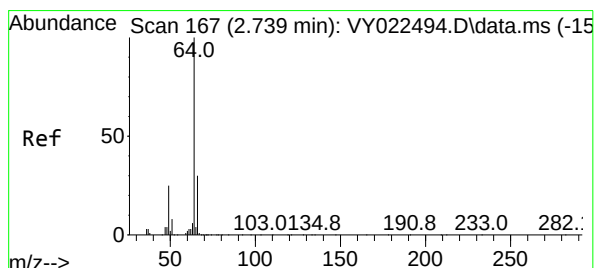
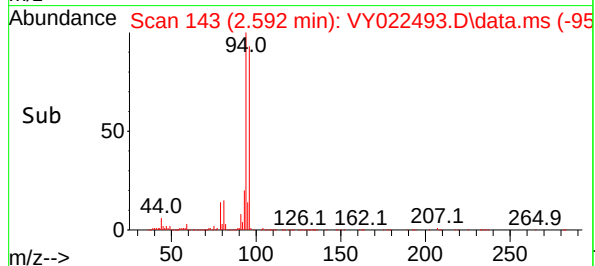
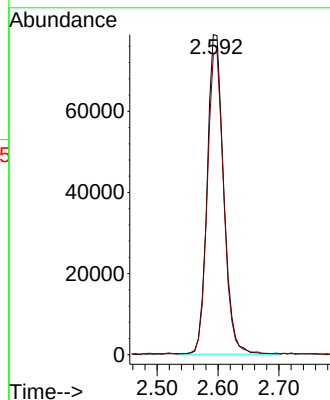
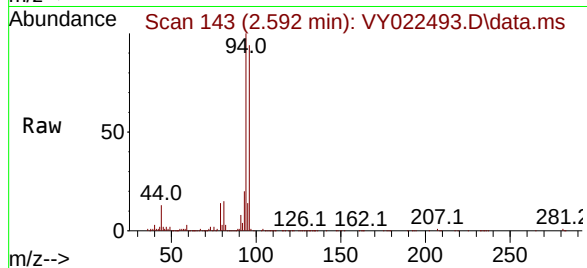
96 93.5 74.0 111.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#6

Chloroethane

Concen: 23.188 ug/l

RT: 2.739 min Scan# 167

Delta R.T. -0.000 min

Lab File: VY022493.D

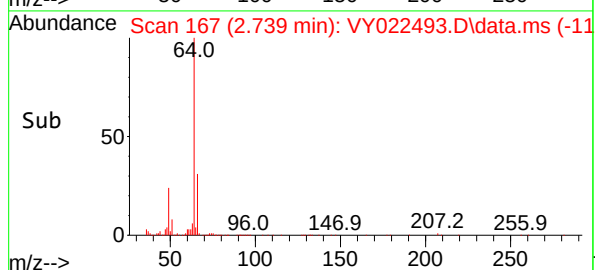
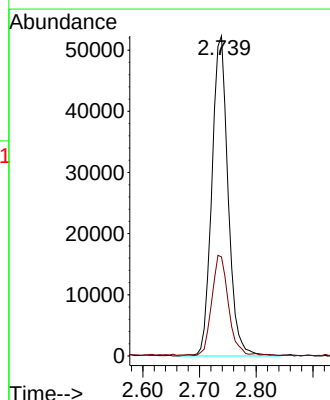
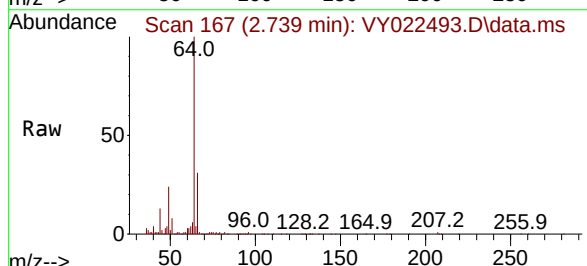
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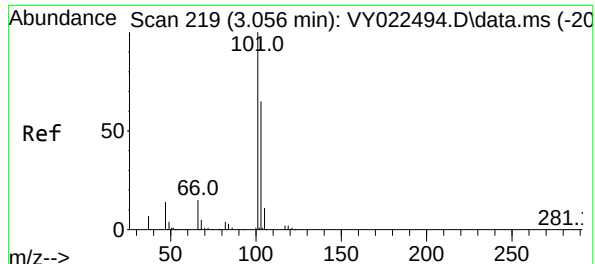
Tgt Ion: 64 Resp: 104116

Ion Ratio Lower Upper

64 100

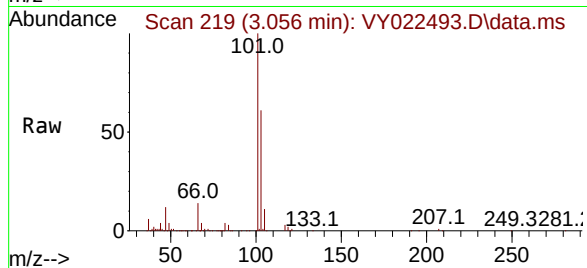
66 30.8 23.8 35.6





#7
Trichlorofluoromethane
Concen: 22.320 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

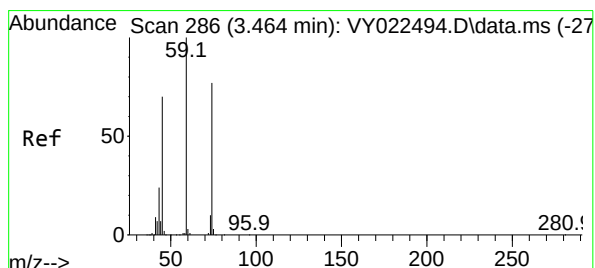
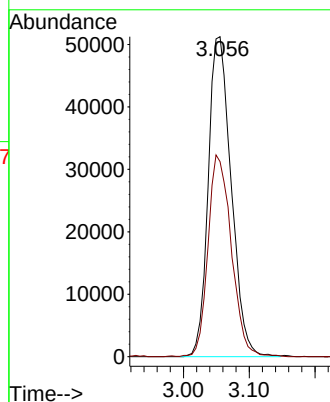
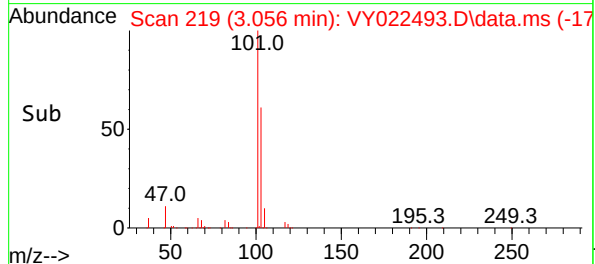
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



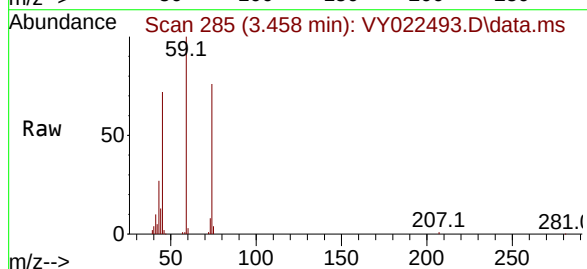
Tgt Ion:101 Resp: 124370
Ion Ratio Lower Upper
101 100
103 60.8 52.2 78.2

Manual Integrations
APPROVED

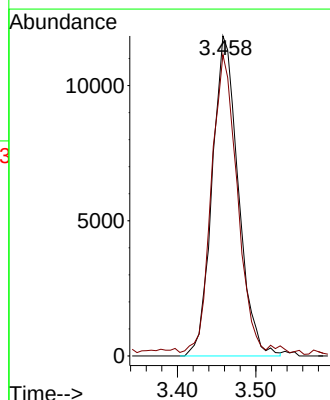
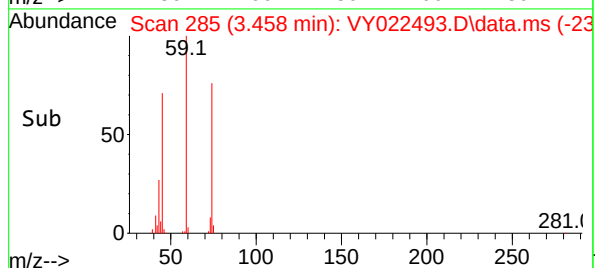
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

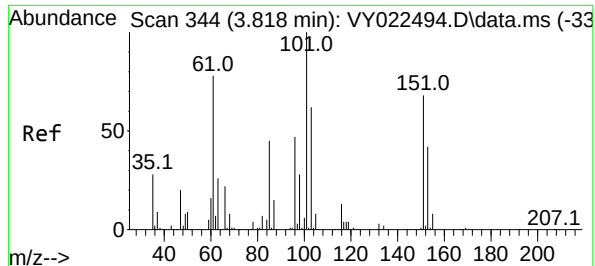


#8
Diethyl Ether
Concen: 22.230 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32



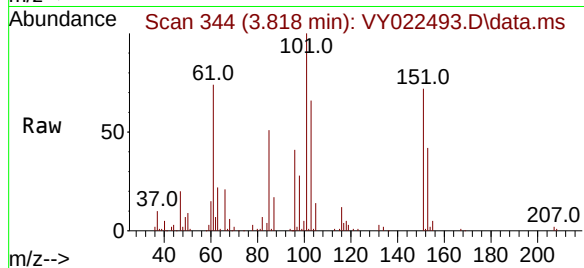
Tgt Ion: 74 Resp: 27359
Ion Ratio Lower Upper
74 100
45 91.2 45.9 137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.283 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

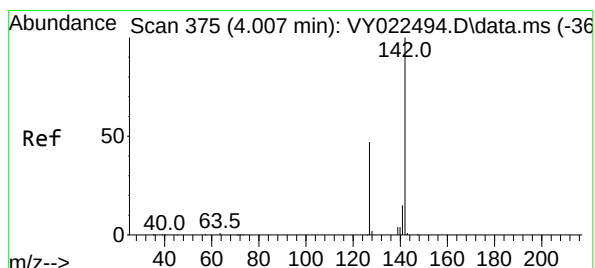
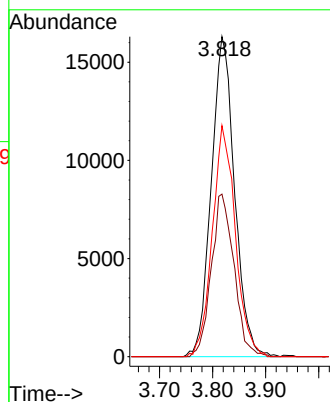
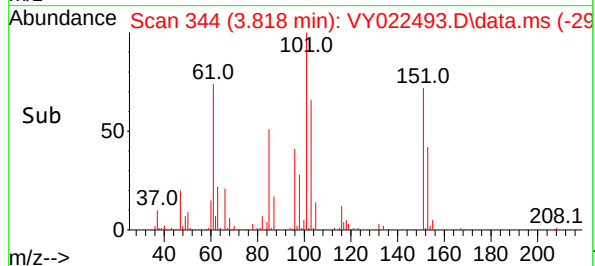
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:101 Resp: 49740
Ion Ratio Lower Upper
101 100
85 49.4 39.3 58.9
151 71.4 57.8 86.8

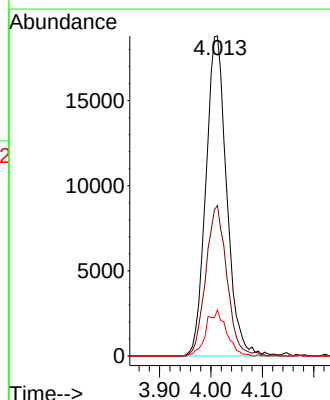
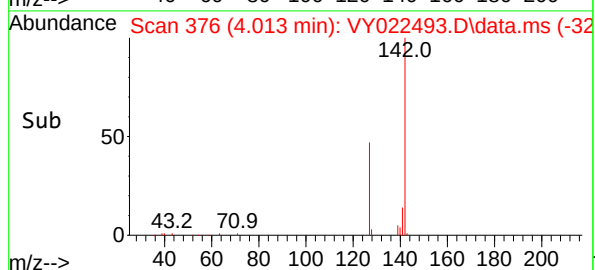
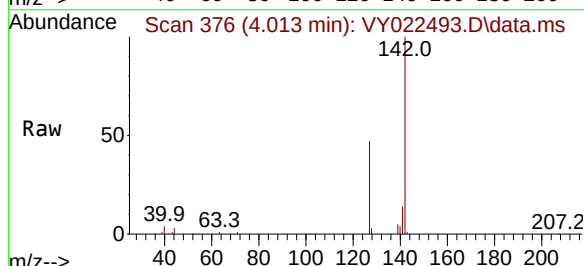
Manual Integrations
APPROVED

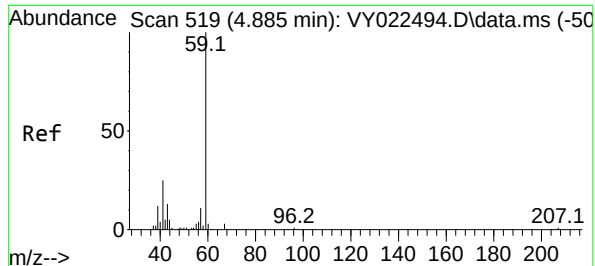
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#10
Methyl Iodide
Concen: 21.112 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:142 Resp: 52917
Ion Ratio Lower Upper
142 100
127 47.5 37.1 55.7
141 14.1 11.4 17.2





#11

Tert butyl alcohol

Concen: 115.163 ug/l

RT: 4.891 min Scan# 519

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 19450

Ion Ratio Lower Upper

59 100

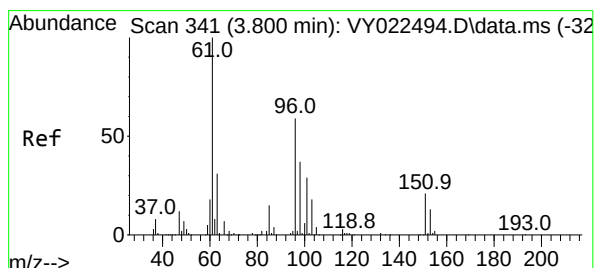
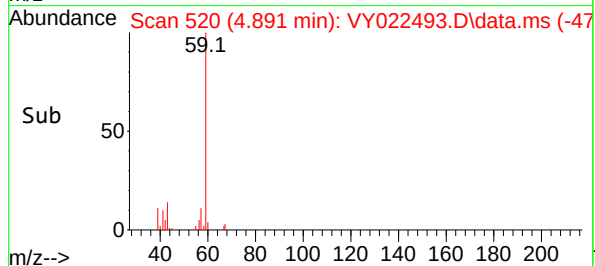
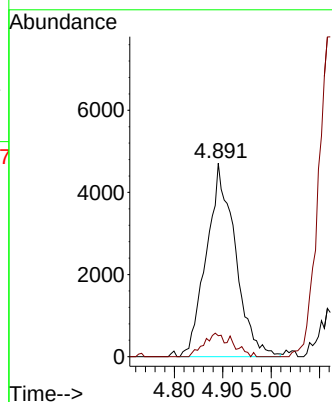
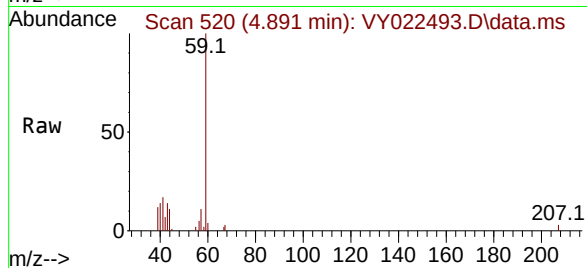
57 8.6 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#12

1,1-Dichloroethene

Concen: 21.411 ug/l

RT: 3.793 min Scan# 340

Delta R.T. -0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

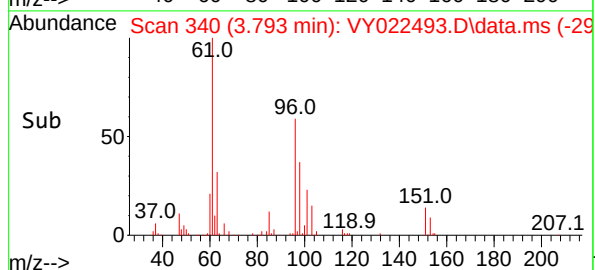
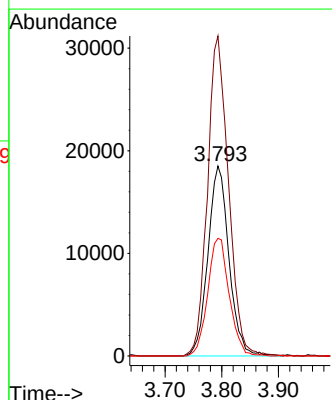
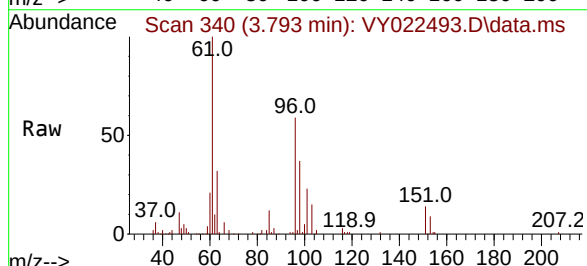
Tgt Ion: 96 Resp: 47770

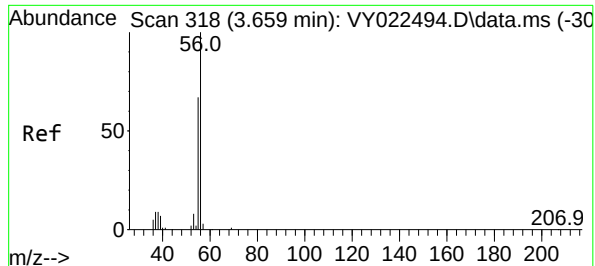
Ion Ratio Lower Upper

96 100

61 168.5 134.6 201.8

98 61.9 50.2 75.4





#13

Acrolein

Concen: 111.404 ug/l

RT: 3.659 min Scan# 318

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 22974

Ion Ratio Lower Upper

56 100

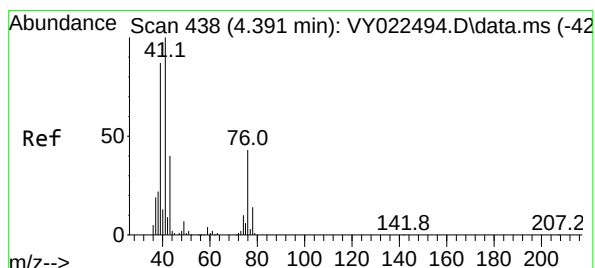
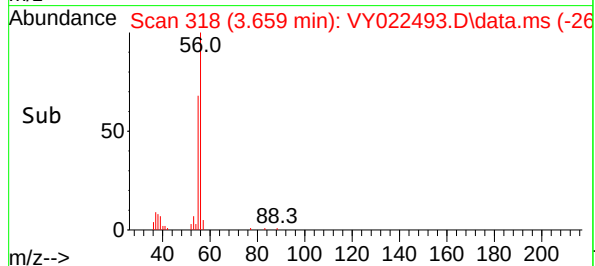
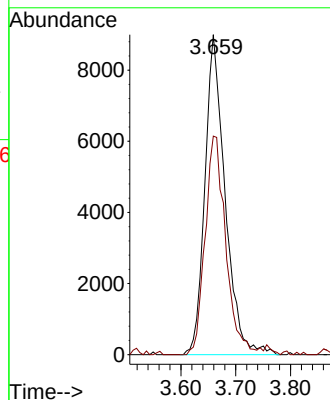
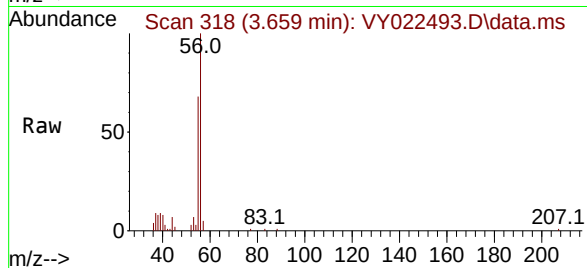
55 69.8 57.0 85.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#14

Allyl chloride

Concen: 21.263 ug/l

RT: 4.391 min Scan# 438

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

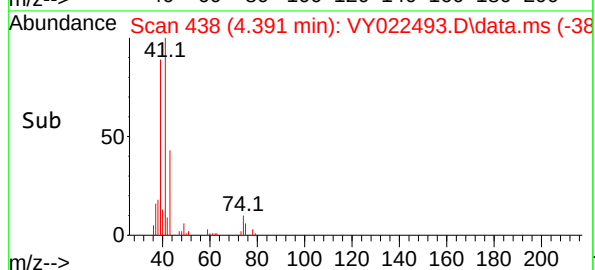
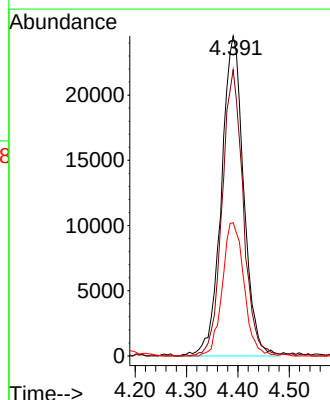
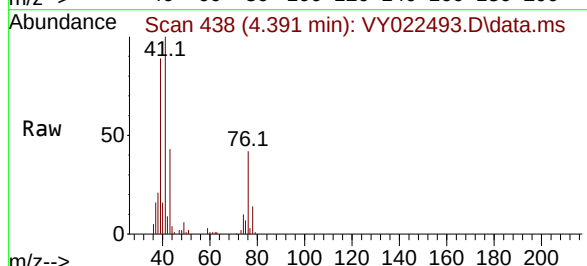
Tgt Ion: 41 Resp: 73926

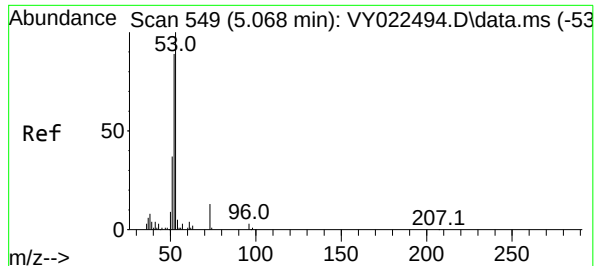
Ion Ratio Lower Upper

41 100

39 84.7 69.1 103.7

76 40.5 33.5 50.3





#15

Acrylonitrile

Concen: 110.420 ug/l

RT: 5.073 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

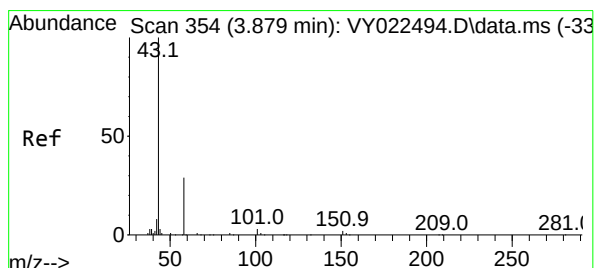
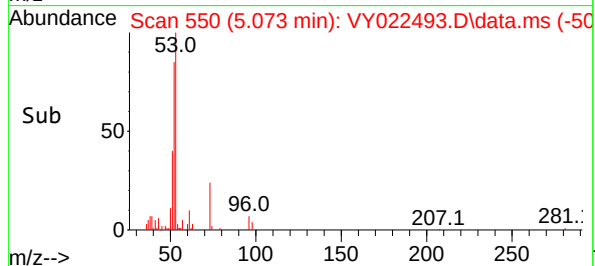
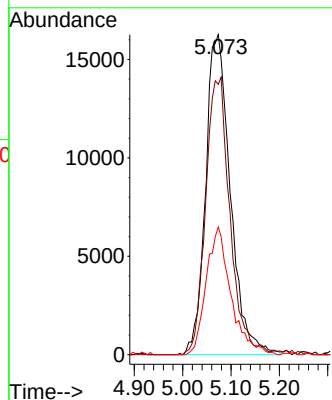
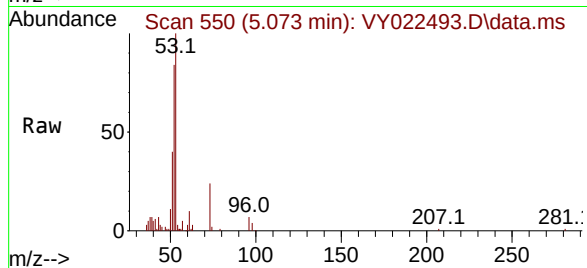
VSTDICC020

Tgt Ion:	53	Resp:	5780
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.7	98.5
51	39.8	30.1	45.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#16

Acetone

Concen: 111.925 ug/l

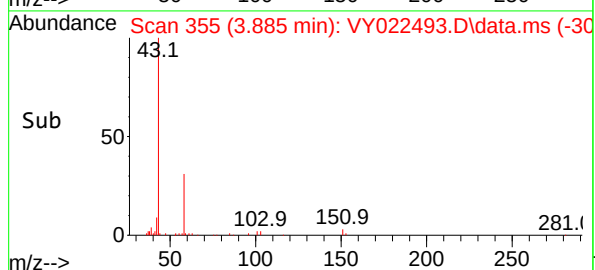
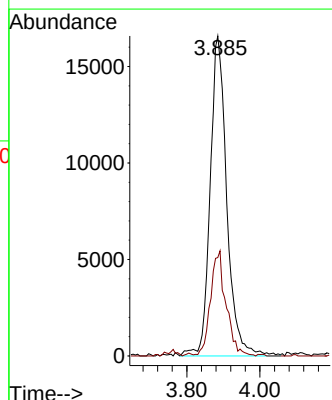
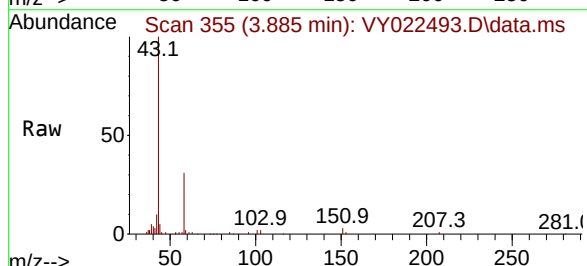
RT: 3.885 min Scan# 355

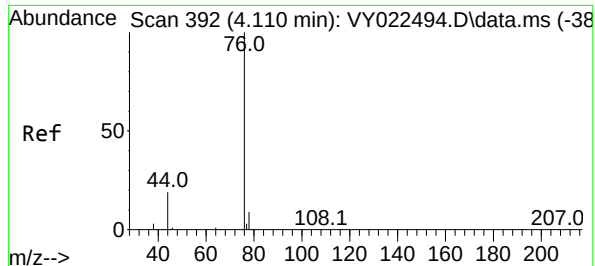
Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Tgt Ion:	43	Resp:	52330
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0





#17

Carbon Disulfide

Concen: 21.130 ug/l

RT: 4.110 min Scan# 392

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 15051

Ion Ratio Lower Upper

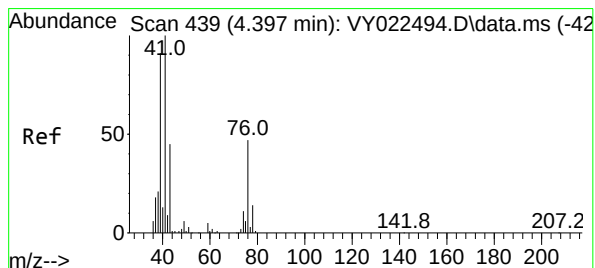
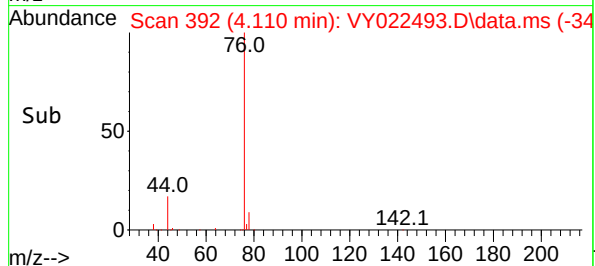
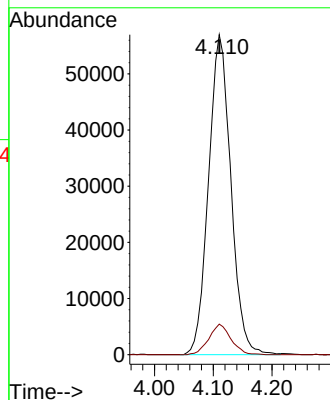
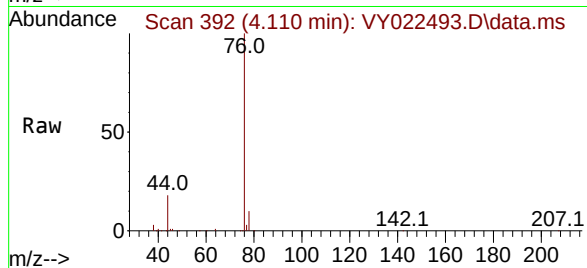
76 100

78 9.5 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#18

Methyl Acetate

Concen: 24.470 ug/l

RT: 4.397 min Scan# 439

Delta R.T. -0.000 min

Lab File: VY022493.D

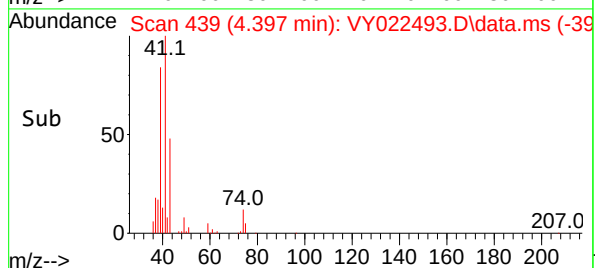
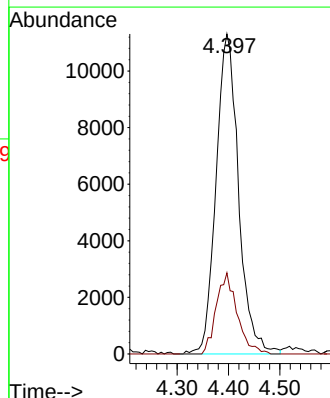
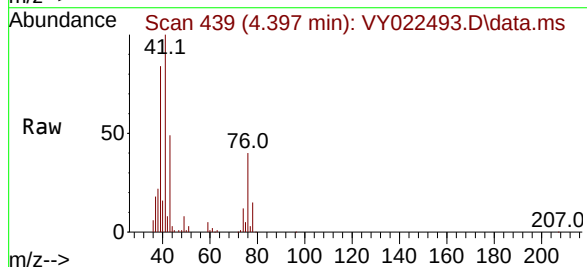
Acq: 02 Jun 2025 12:32

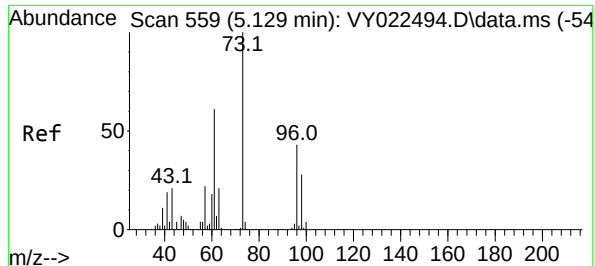
Tgt Ion: 43 Resp: 34419

Ion Ratio Lower Upper

43 100

74 23.5 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 21.935 ug/l

RT: 5.122 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 73 Resp: 136549

Ion Ratio Lower Upper

73 100

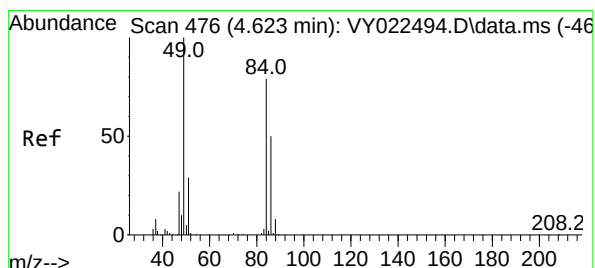
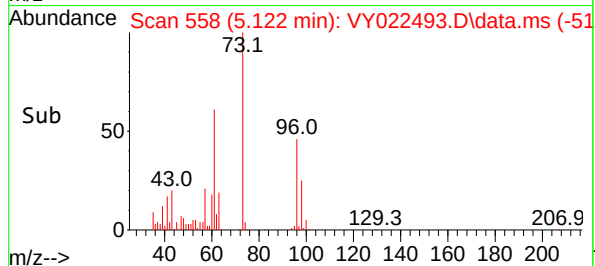
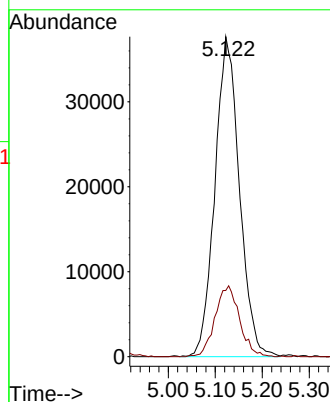
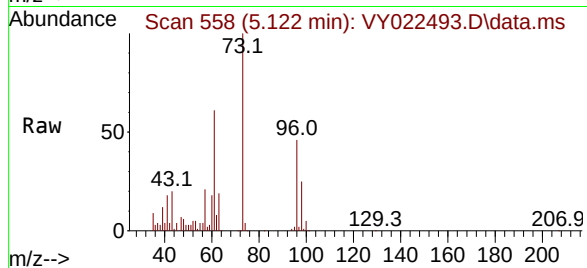
57 20.7 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#20

Methylene Chloride

Concen: 21.222 ug/l

RT: 4.622 min Scan# 476

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Tgt Ion: 84 Resp: 55399

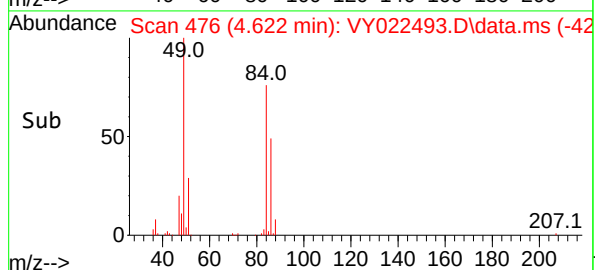
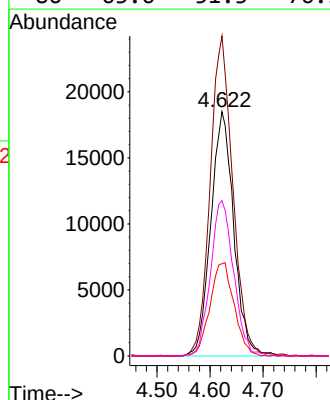
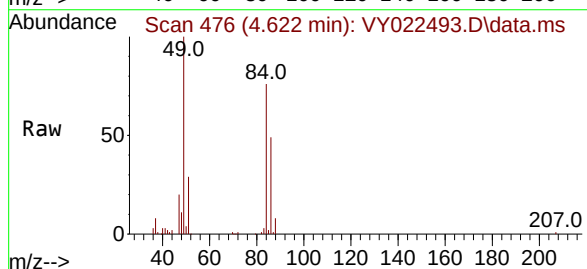
Ion Ratio Lower Upper

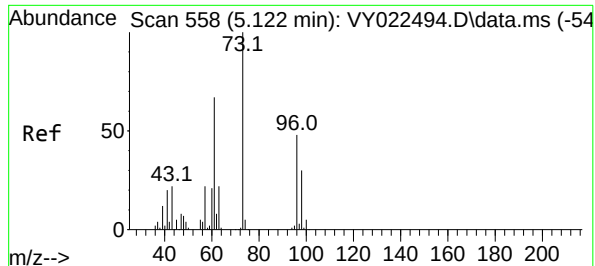
84 100

49 131.0 101.9 152.9

51 37.8 29.8 44.8

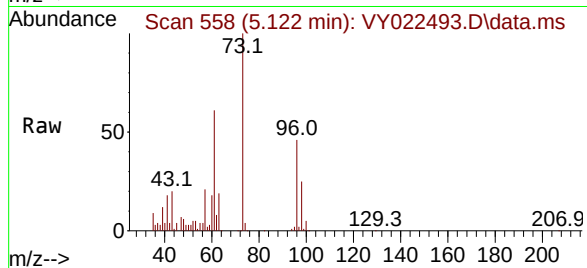
86 63.6 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 21.342 ug/l
RT: 5.122 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

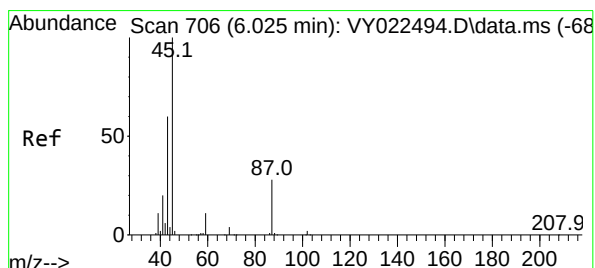
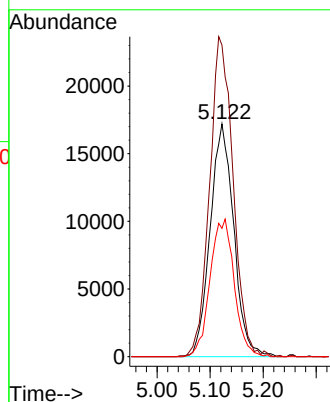
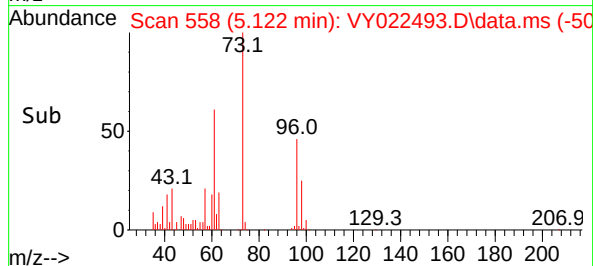
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 53194
Ion Ratio Lower Upper
96 100
61 133.3 112.6 169.0
98 55.1 50.6 75.8

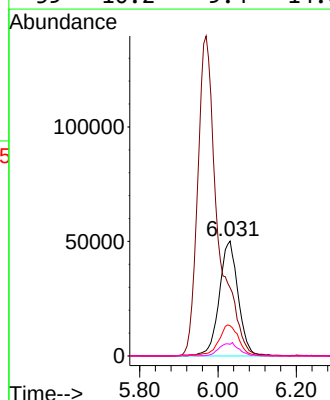
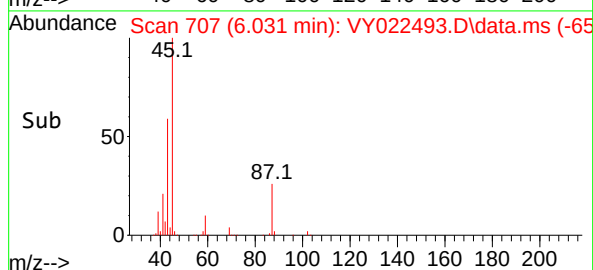
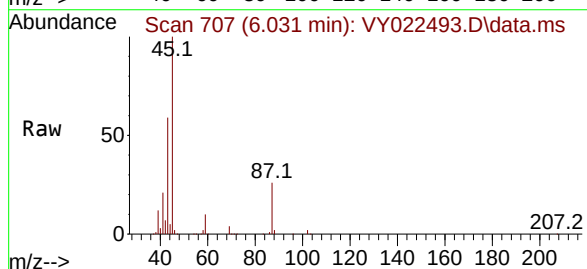
Manual Integrations
APPROVED

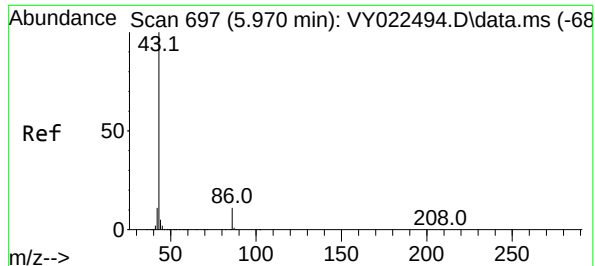
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#22
Diisopropyl ether
Concen: 21.739 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 45 Resp: 168064
Ion Ratio Lower Upper
45 100
43 59.0 48.3 72.5
87 26.3 23.0 34.6
59 10.2 9.4 14.0





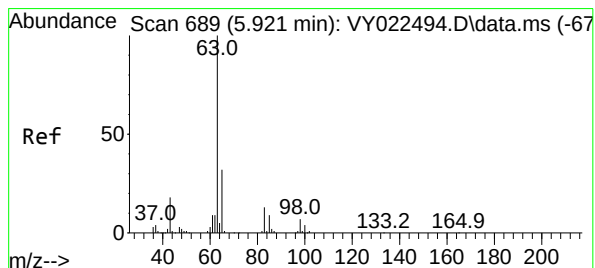
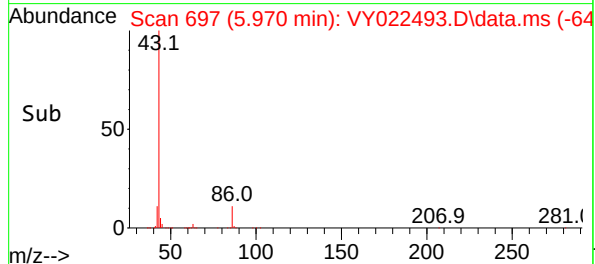
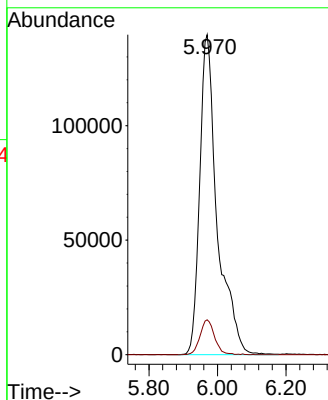
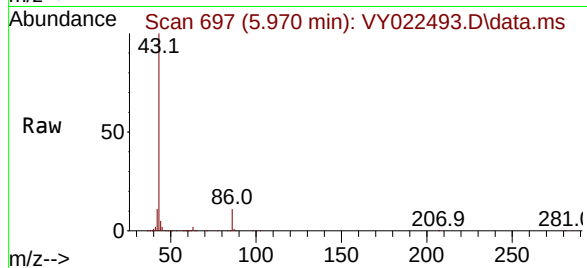
#23
Vinyl Acetate
Concen: 108.569 ug/l
RT: 5.970 min Scan# 697
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 49793
Ion Ratio Lower Upper
43 100
86 10.9 8.6 12.8

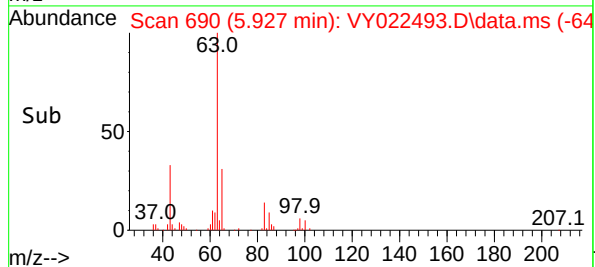
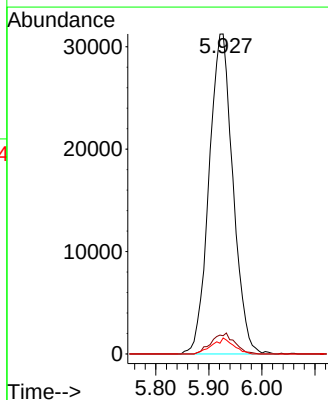
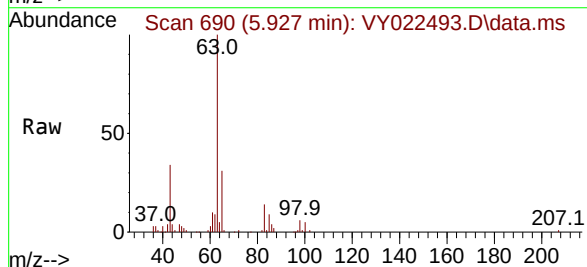
Manual Integrations
APPROVED

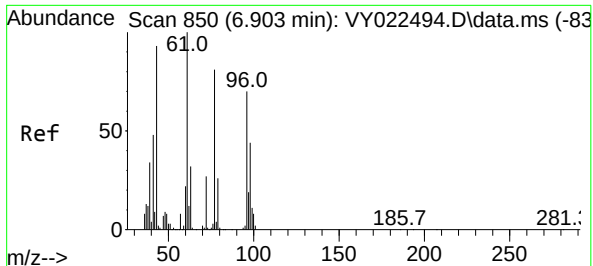
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#24
1,1-Dichloroethane
Concen: 21.392 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 97760
Ion Ratio Lower Upper
63 100
98 5.7 3.4 10.1
100 5.0 2.1 6.3





#25

2-Butanone

Concen: 112.124 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 77329

Ion Ratio Lower Upper

43 100

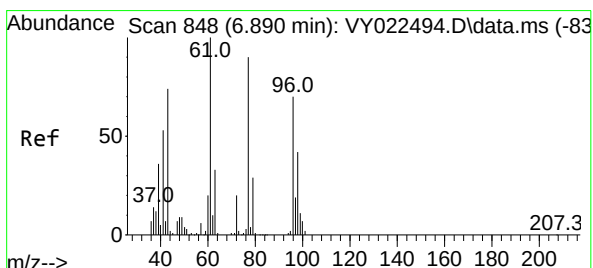
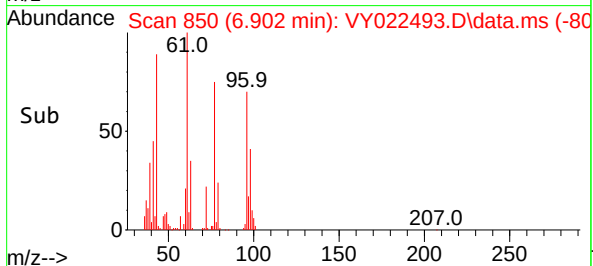
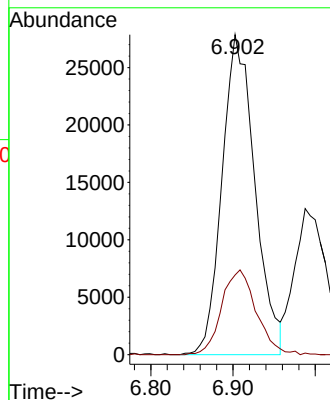
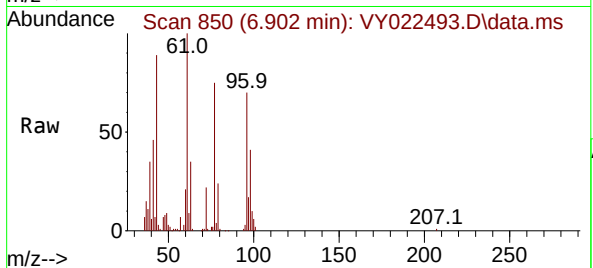
72 24.9 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#26

2,2-Dichloropropane

Concen: 20.811 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022493.D

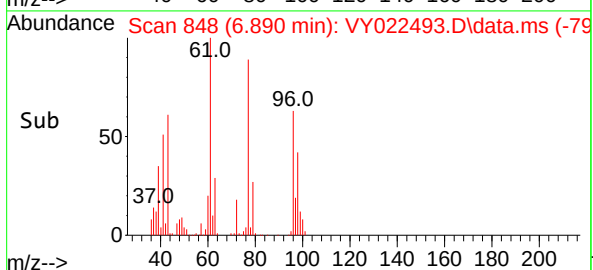
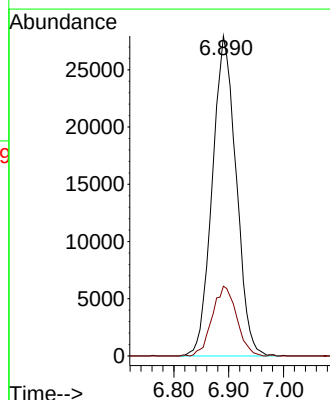
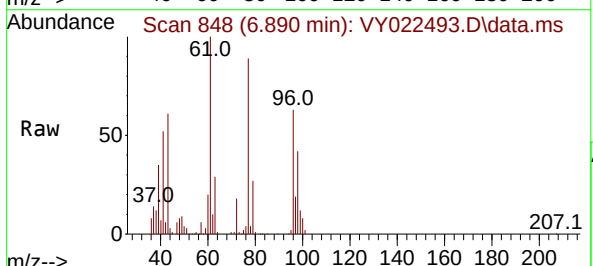
Acq: 02 Jun 2025 12:32

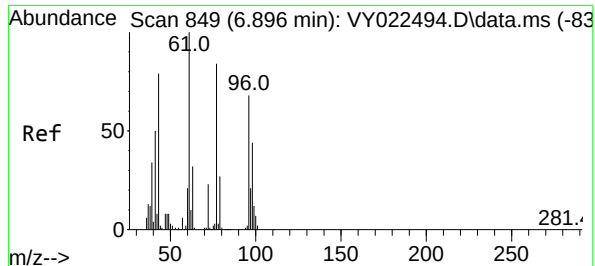
Tgt Ion: 77 Resp: 84543

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 21.300 ug/l

RT: 6.902 min Scan# 81

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 6136

Ion Ratio Lower Upper

96 100

61 149.0 0.0 290.0

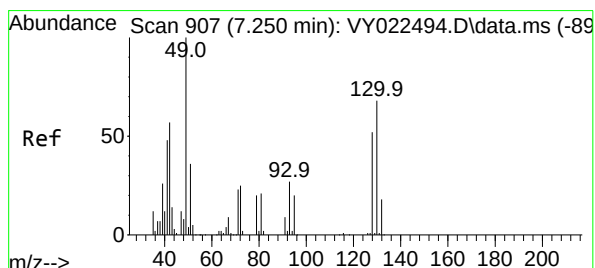
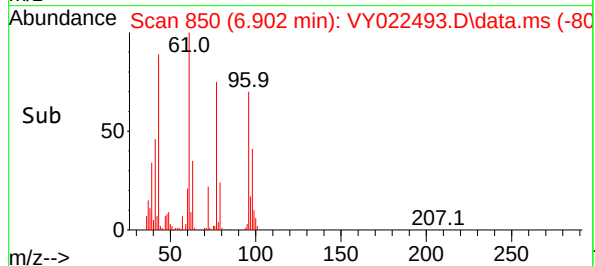
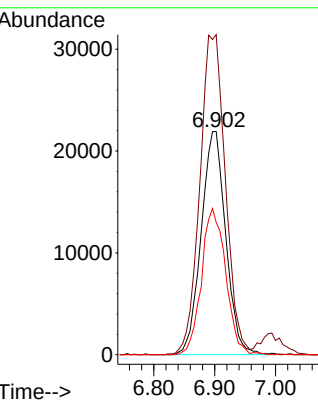
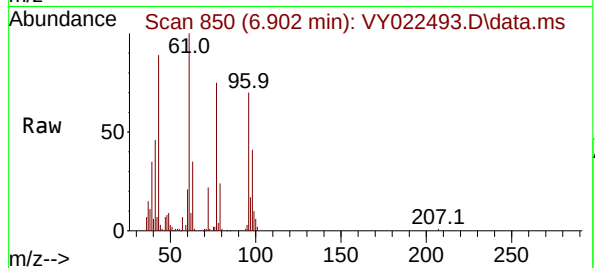
98 64.4 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#28

Bromochloromethane

Concen: 21.085 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

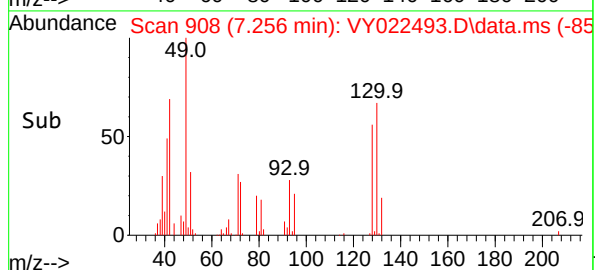
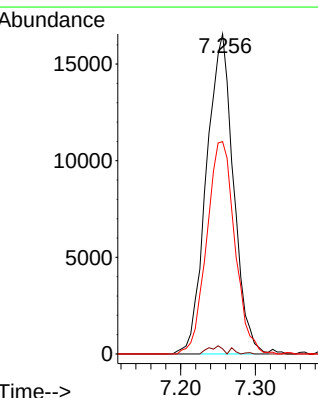
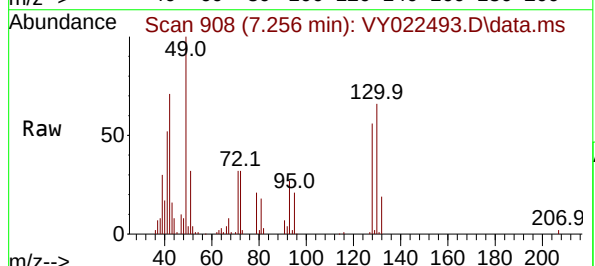
Tgt Ion: 49 Resp: 41634

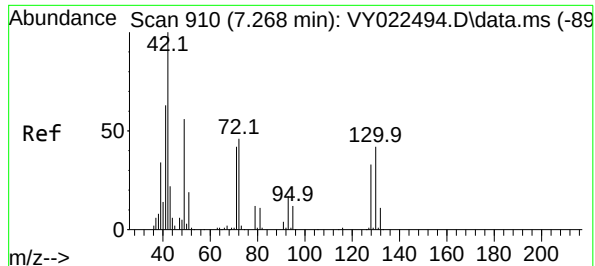
Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.6

130 69.0 55.7 83.5





#29

Tetrahydrofuran

Concen: 111.296 ug/l

RT: 7.268 min Scan# 910

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

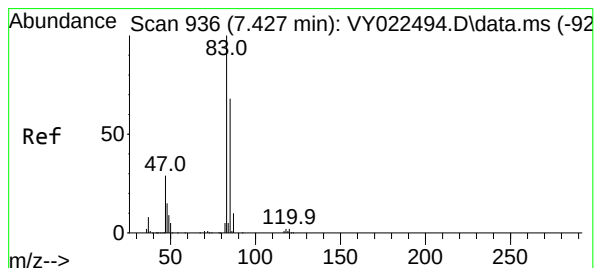
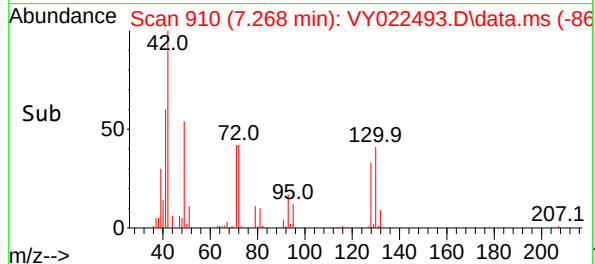
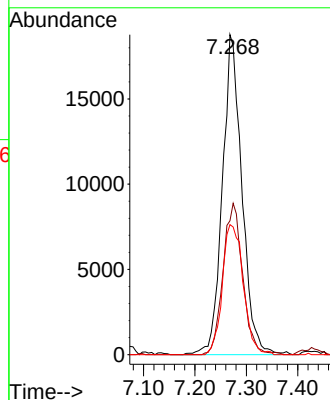
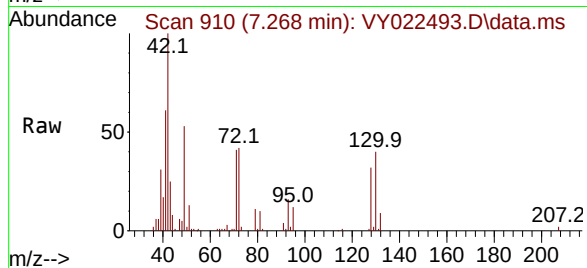
VSTDIC020

Tgt Ion:	42	Resp:	4951
Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.4	56.2
71	43.6	34.2	51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#30

Chloroform

Concen: 21.350 ug/l

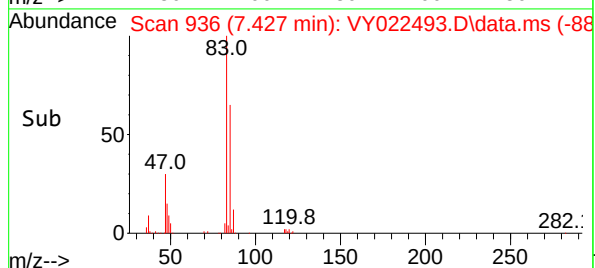
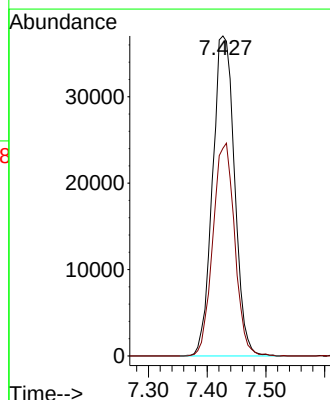
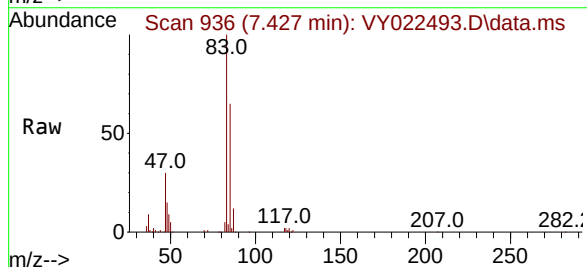
RT: 7.427 min Scan# 936

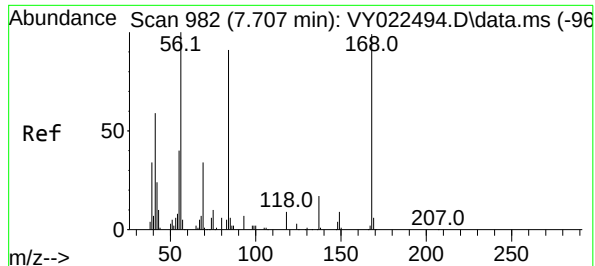
Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Tgt Ion:	83	Resp:	96414
Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.2	81.4





#31

Cyclohexane

Concen: 20.762 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 9548

Ion Ratio Lower Upper

56 100

69 34.3 27.0 40.6

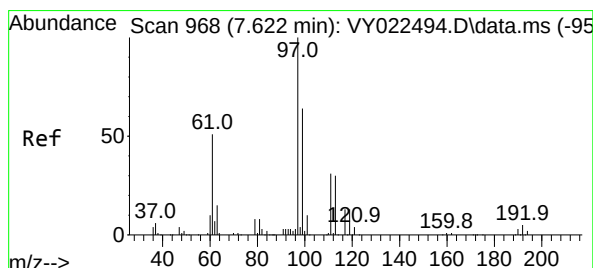
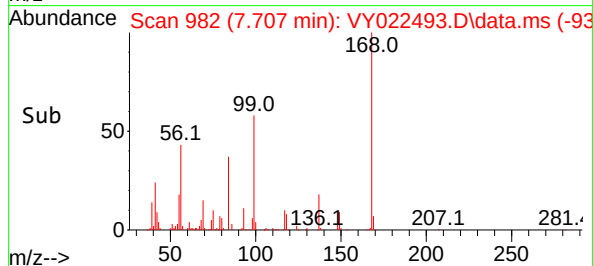
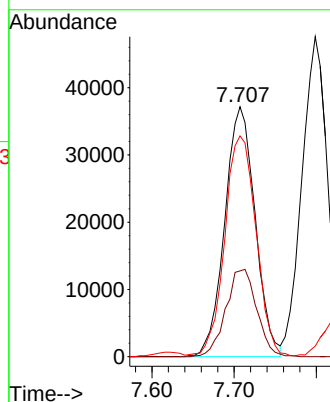
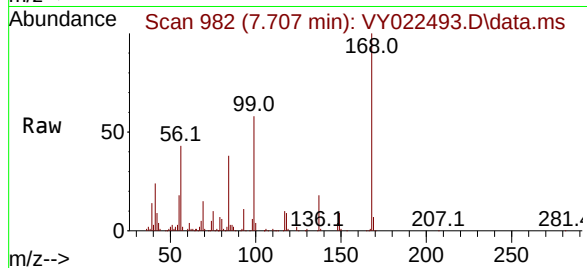
84 87.0 72.6 109.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#32

1,1,1-Trichloroethane

Concen: 20.905 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

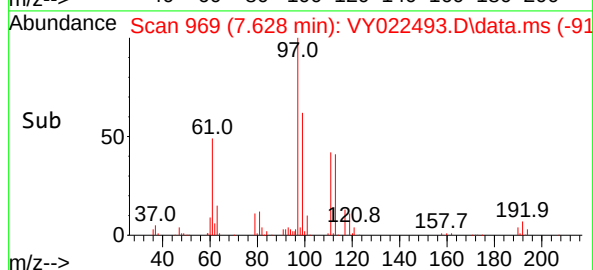
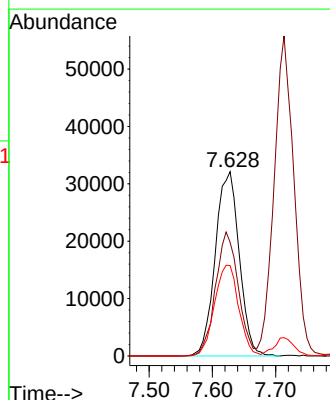
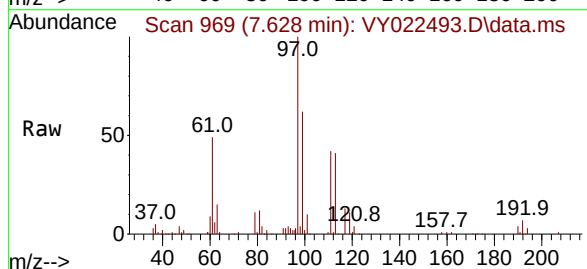
Tgt Ion: 97 Resp: 84365

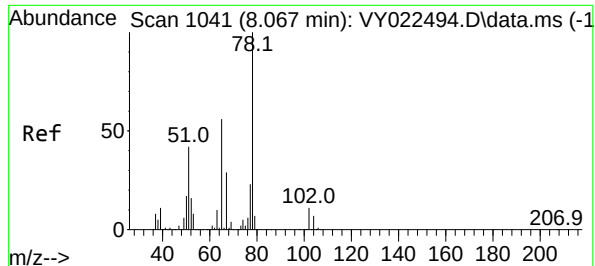
Ion Ratio Lower Upper

97 100

99 63.7 50.9 76.3

61 49.7 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 20.457 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 65 Resp: 4838

Ion Ratio Lower Upper

65 100

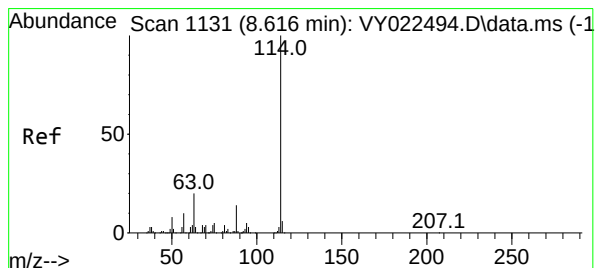
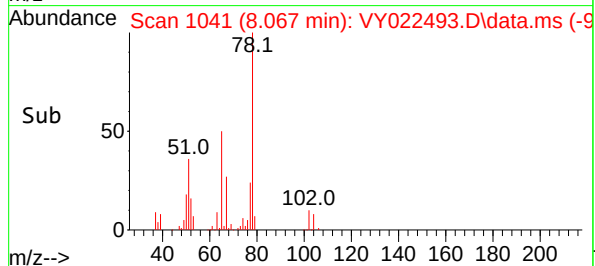
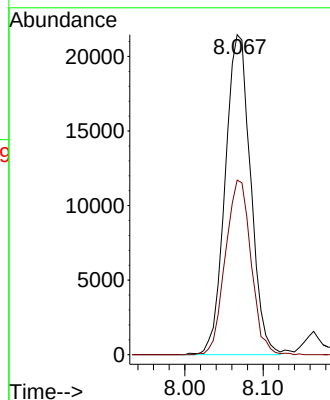
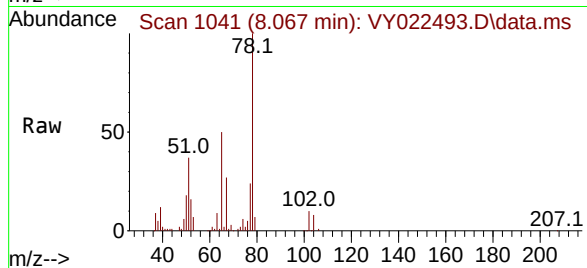
67 55.1 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

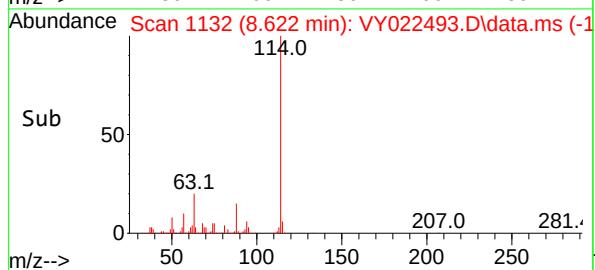
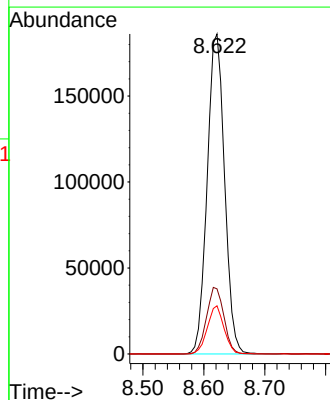
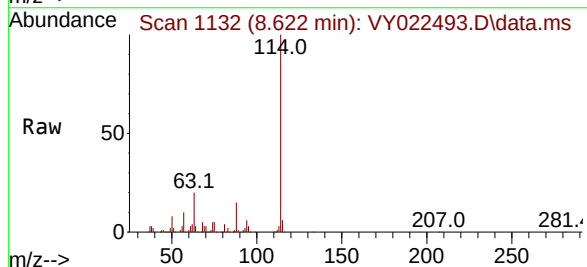
Tgt Ion:114 Resp: 369398

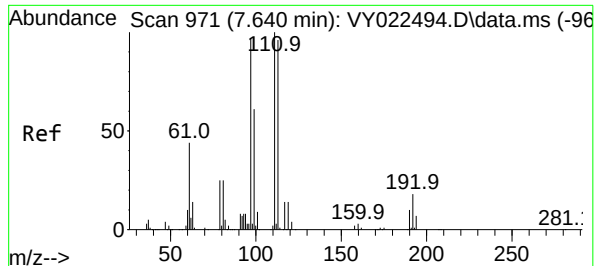
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.0 0.0 27.8





#35

Dibromofluoromethane

Concen: 20.456 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 4448

Ion Ratio Lower Upper

113 100

111 100.5 81.1 121.7

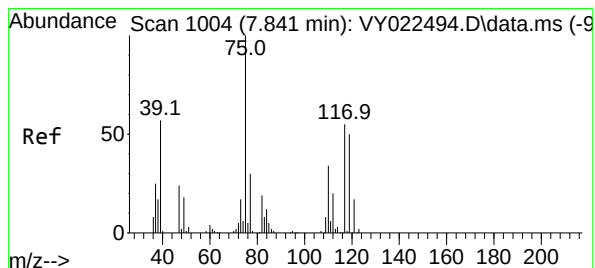
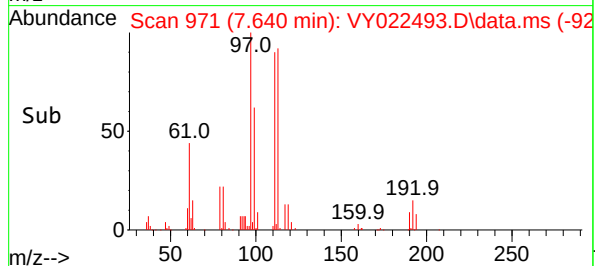
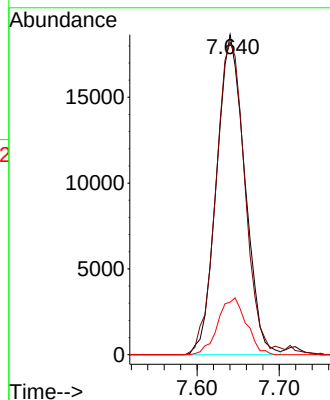
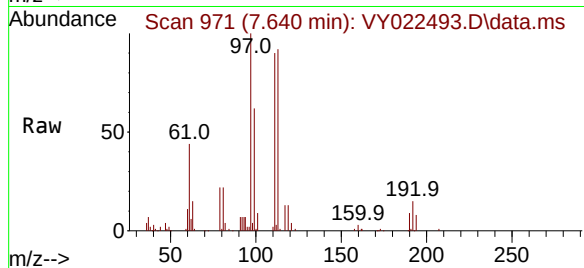
192 17.8 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#36

1,1-Dichloropropene

Concen: 20.670 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

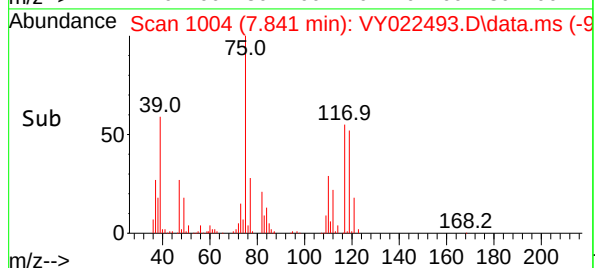
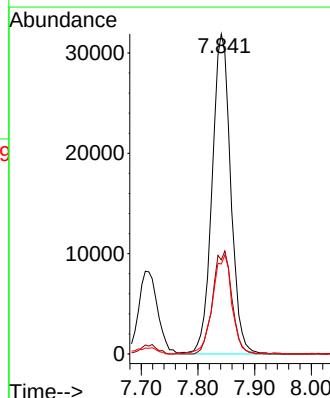
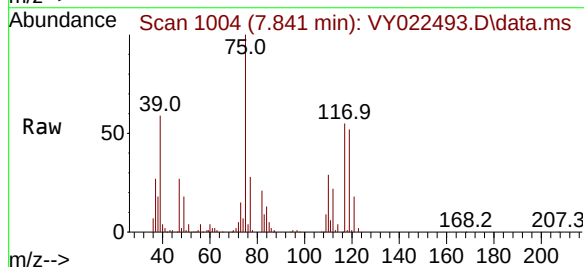
Tgt Ion: 75 Resp: 72658

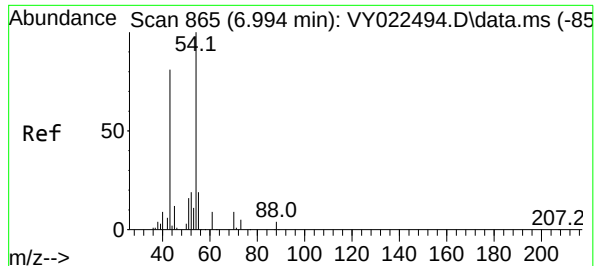
Ion Ratio Lower Upper

75 100

110 33.2 16.9 50.7

77 32.2 24.8 37.2





#37

Ethyl Acetate

Concen: 22.110 ug/l

RT: 6.988 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

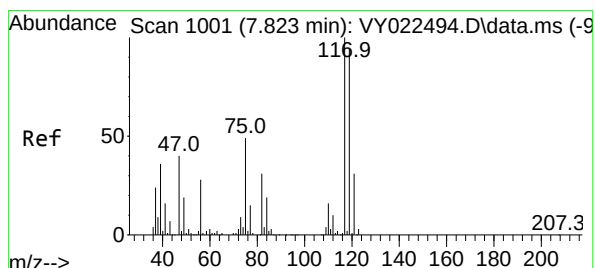
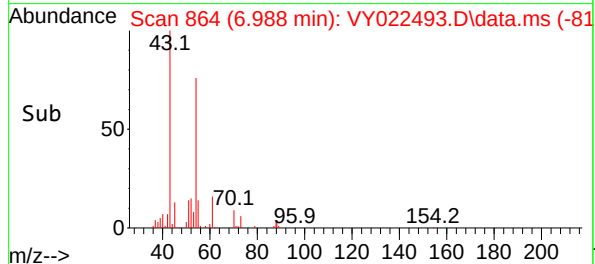
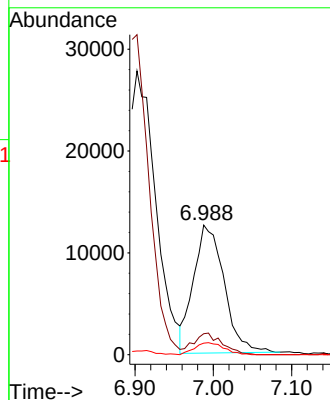
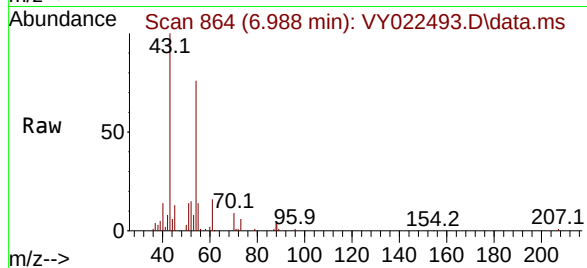
VSTDIC020

Tgt Ion:	43	Resp:	34204
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.5	17.3
70	8.9	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#38

Carbon Tetrachloride

Concen: 20.247 ug/l

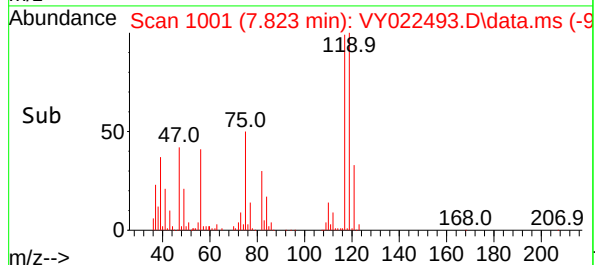
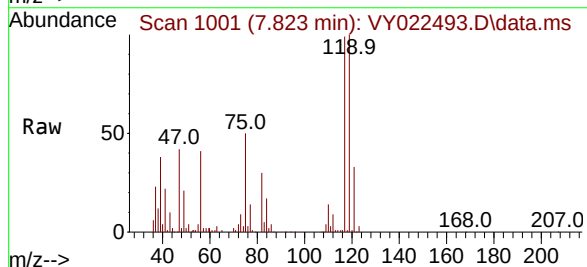
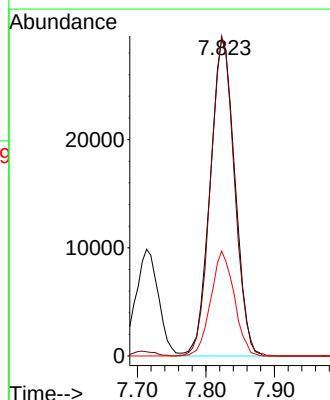
RT: 7.823 min Scan# 1001

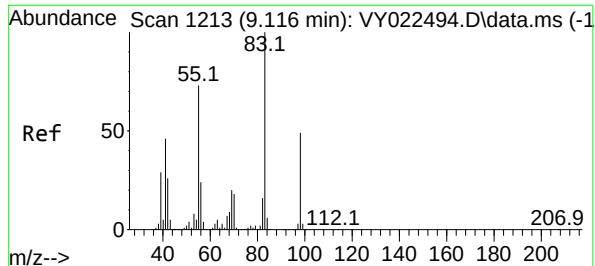
Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Tgt Ion:	117	Resp:	73370
Ion	Ratio	Lower	Upper
117	100		
119	101.1	75.0	112.6
121	33.2	25.0	37.4





#39

Methylcyclohexane

Concen: 20.065 ug/l

RT: 9.115 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 95280

Ion Ratio Lower Upper

83 100

55 75.5 58.1 87.1

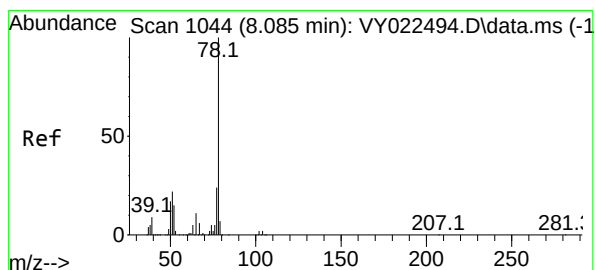
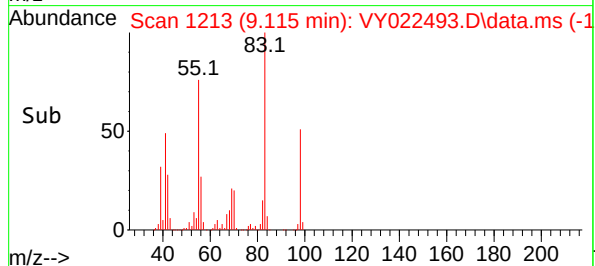
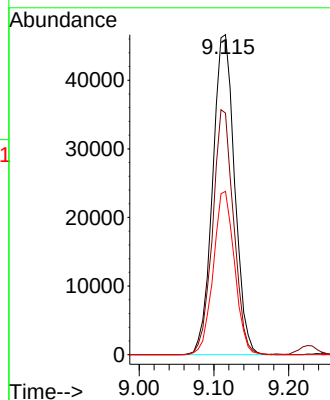
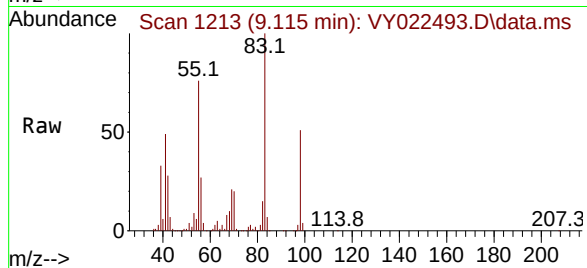
98 51.1 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#40

Benzene

Concen: 21.000 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY022493.D

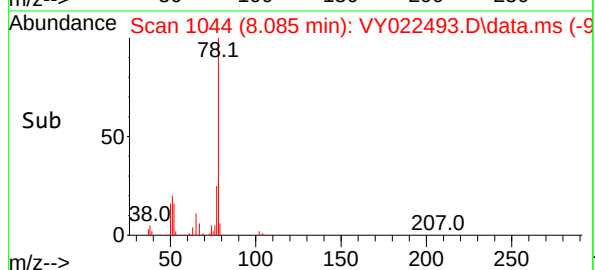
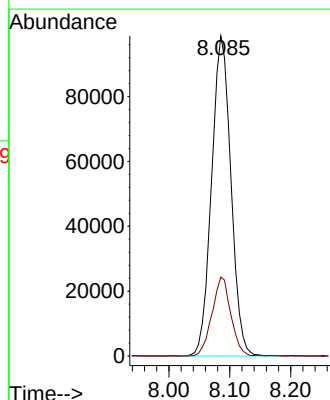
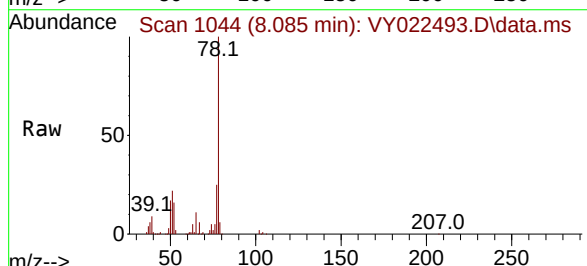
Acq: 02 Jun 2025 12:32

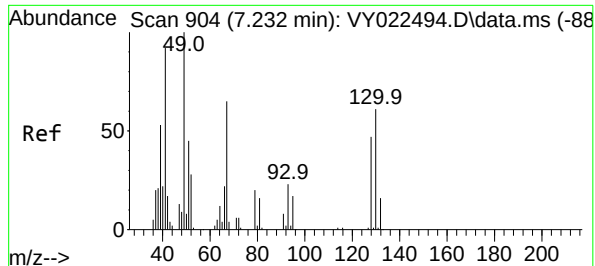
Tgt Ion: 78 Resp: 217595

Ion Ratio Lower Upper

78 100

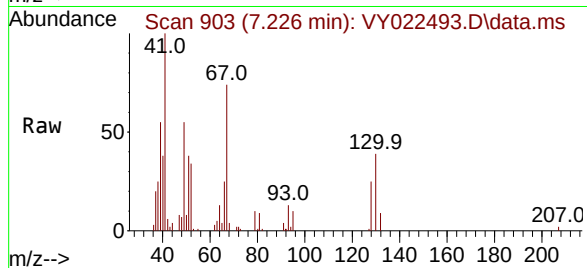
77 24.7 19.3 28.9





#41
Methacrylonitrile
Concen: 19.542 ug/l
RT: 7.226 min Scan# 904
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

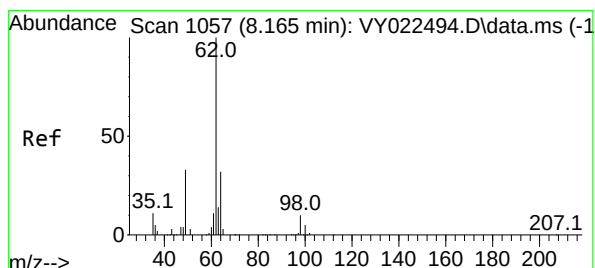
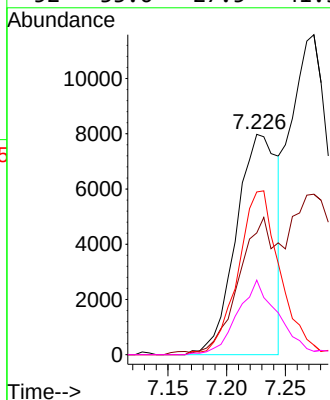
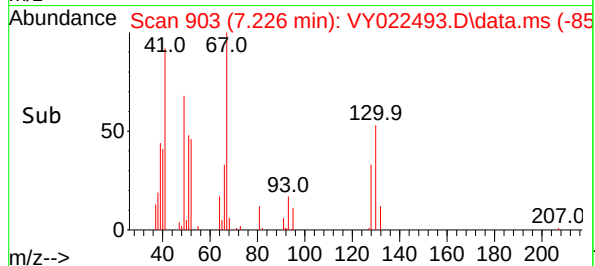
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 41 Resp: 19470
Ion Ratio Lower Upper
41 100
39 64.4 46.6 69.8
67 76.2 63.3 94.9
52 33.6 27.5 41.3

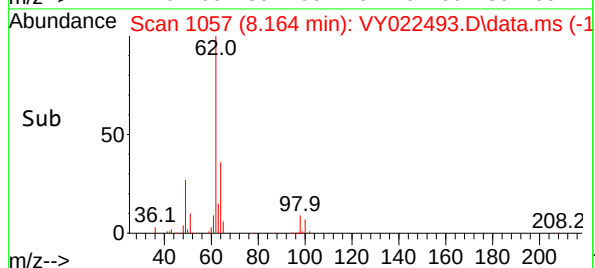
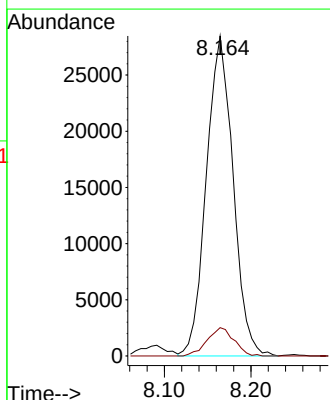
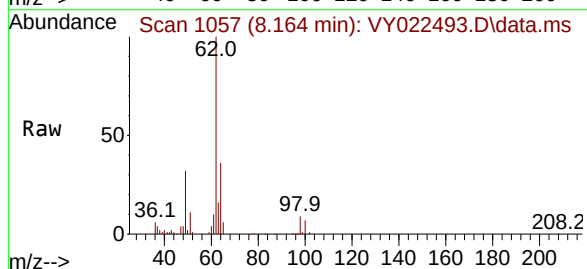
Manual Integrations
APPROVED

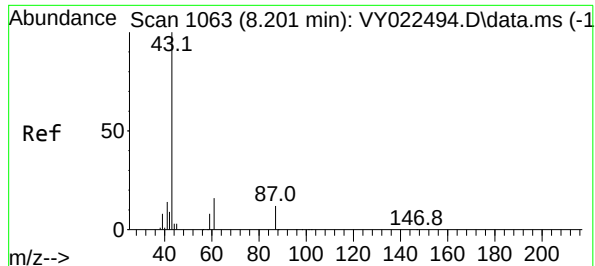
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#42
1,2-Dichloroethane
Concen: 21.676 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 61097
Ion Ratio Lower Upper
62 100
98 8.9 0.0 19.2





#43

Isopropyl Acetate

Concen: 21.814 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

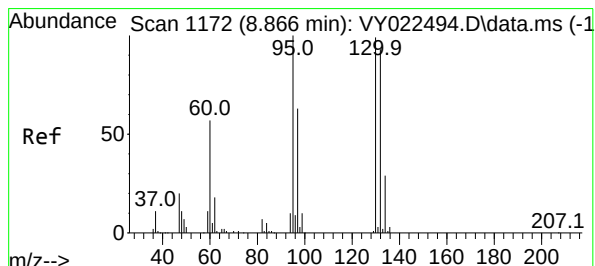
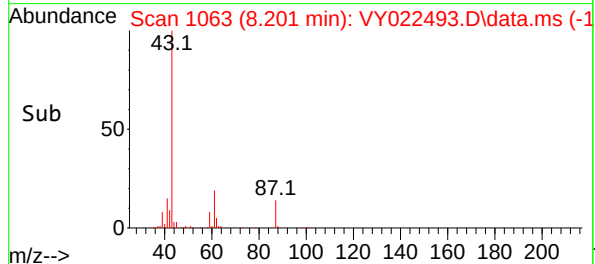
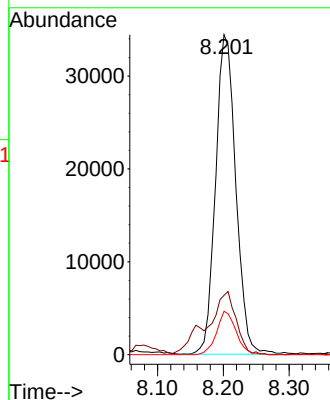
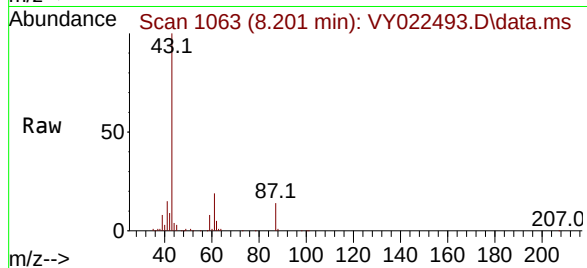
VSTDIC020

Tgt Ion: 43	Resp: 7374
Ion Ratio	Lower Upper
43 100	
61 21.6	15.6 23.4
87 13.1	10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#44

Trichloroethene

Concen: 20.613 ug/l

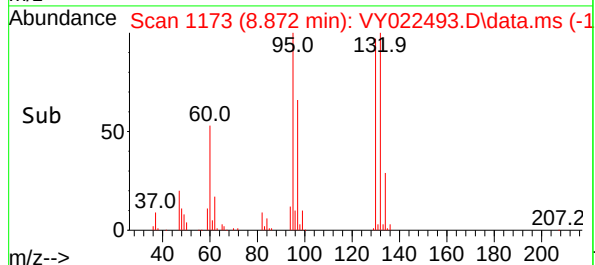
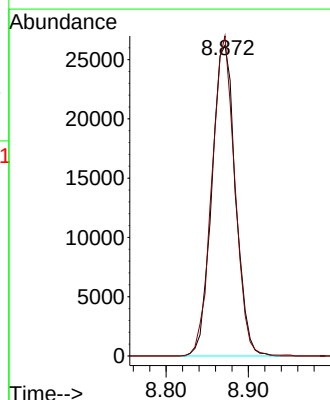
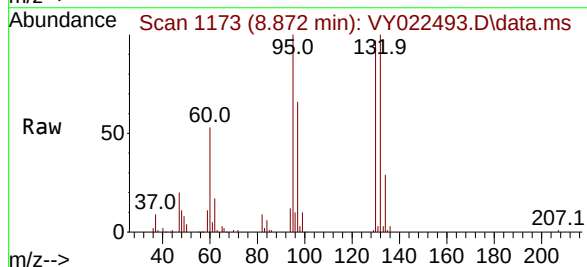
RT: 8.872 min Scan# 1173

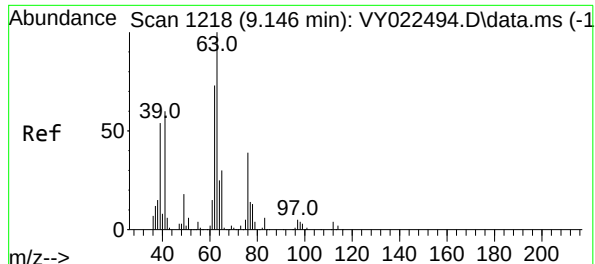
Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Tgt Ion:130	Resp: 52175
Ion Ratio	Lower Upper
130 100	
95 103.0	0.0 203.0





#45

1,2-Dichloropropane

Concen: 21.204 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 52378

Ion Ratio Lower Upper

63 100

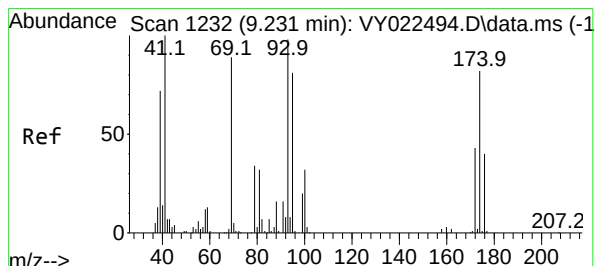
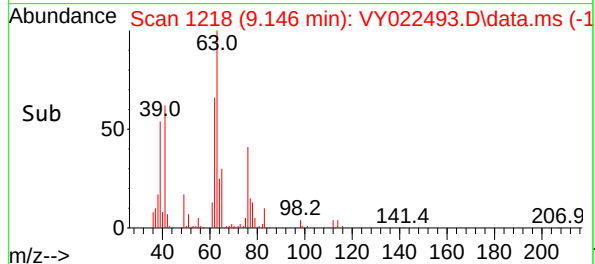
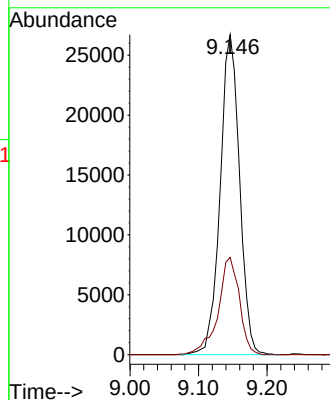
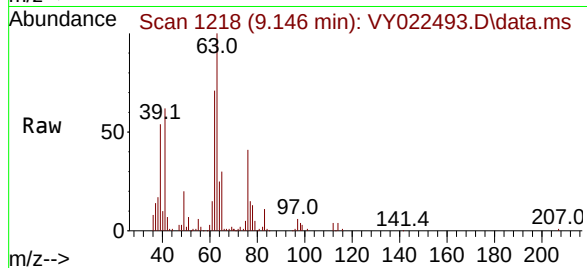
65 30.4 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#46

Dibromomethane

Concen: 21.491 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

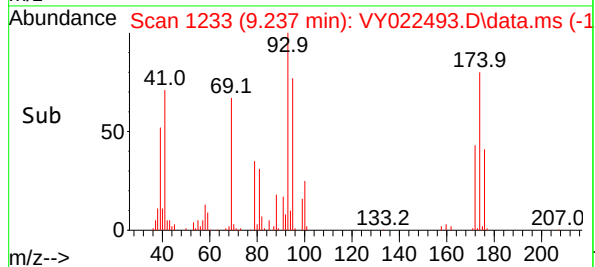
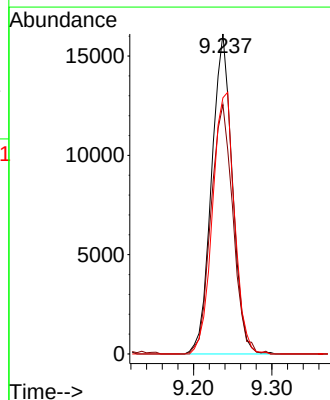
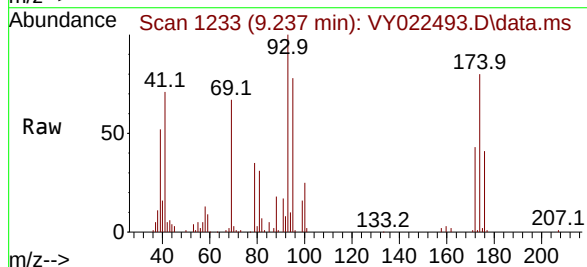
Tgt Ion: 93 Resp: 29741

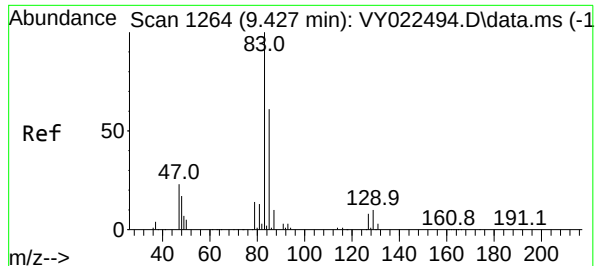
Ion Ratio Lower Upper

93 100

95 82.6 65.6 98.4

174 86.2 70.4 105.6





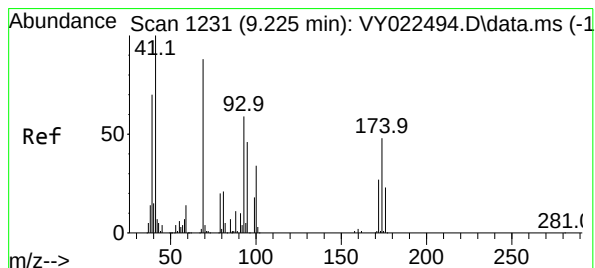
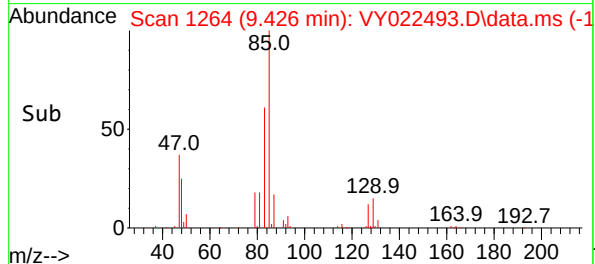
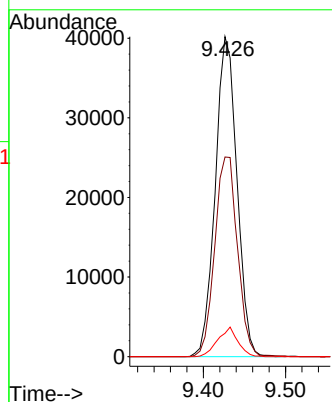
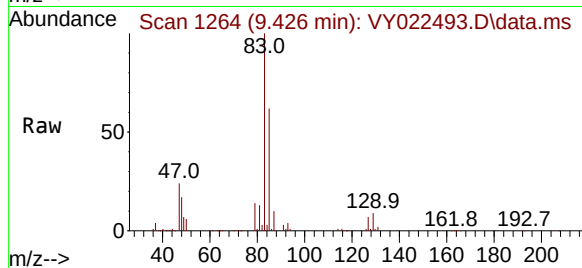
#47
Bromodichloromethane
Concen: 20.995 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 7371
Ion Ratio Lower Upper
83 100
85 62.4 49.1 73.7
127 7.3 6.2 9.4

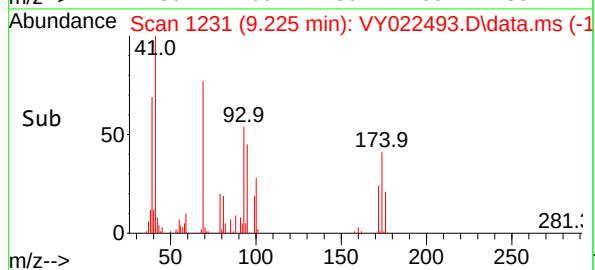
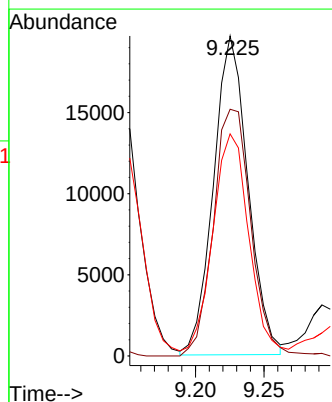
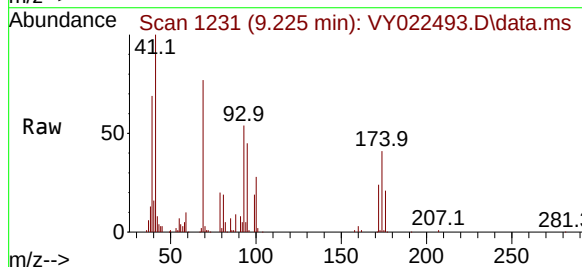
Manual Integrations
APPROVED

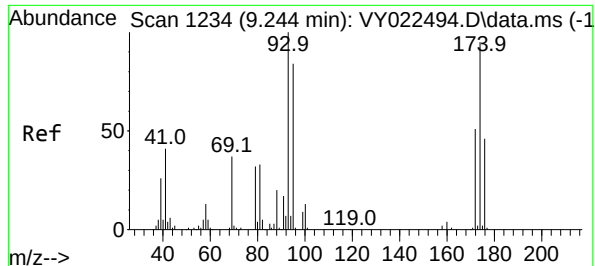
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#48
Methyl methacrylate
Concen: 22.294 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 34508
Ion Ratio Lower Upper
41 100
69 84.1 67.8 101.8
39 69.9 55.0 82.4





#49

1,4-Dioxane

Concen: 450.895 ug/l

RT: 9.237 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 744

Ion Ratio Lower Upper

88 100

43 31.1 25.4 38.2

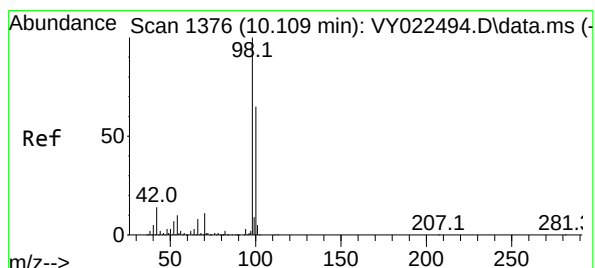
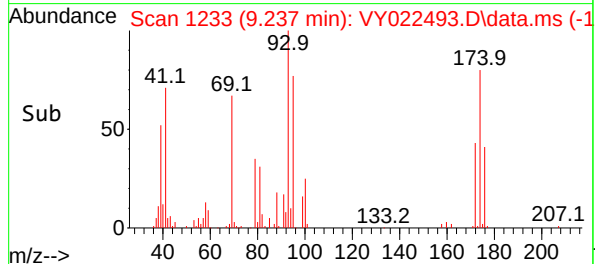
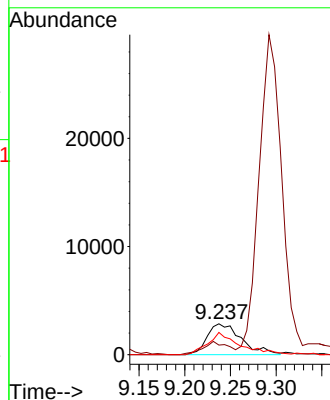
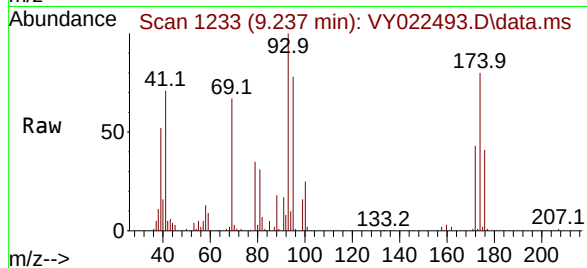
58 67.3 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#50

Toluene-d8

Concen: 19.474 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022493.D

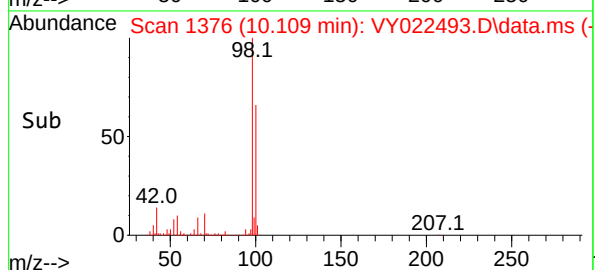
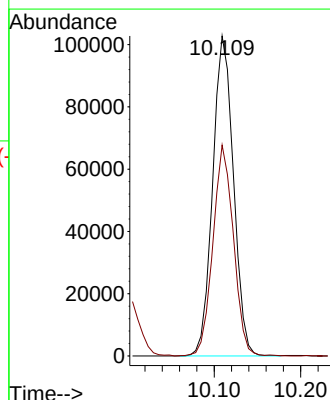
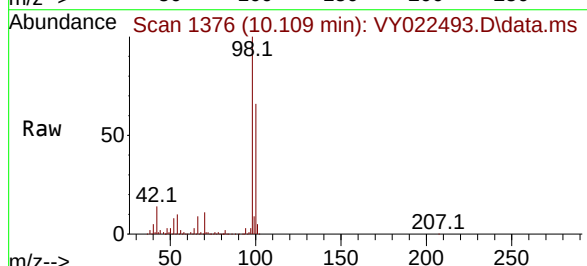
Acq: 02 Jun 2025 12:32

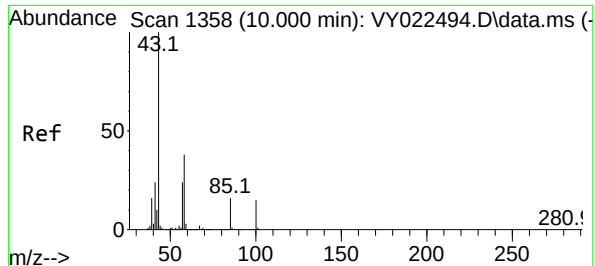
Tgt Ion: 98 Resp: 171165

Ion Ratio Lower Upper

98 100

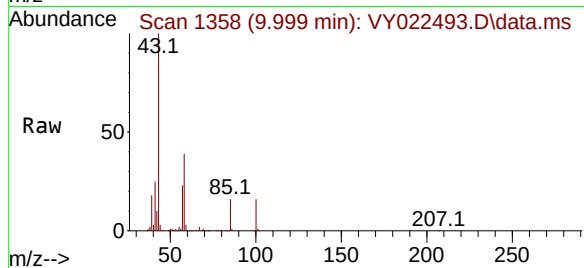
100 65.2 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 108.147 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

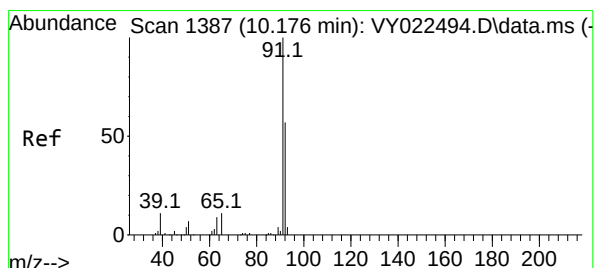
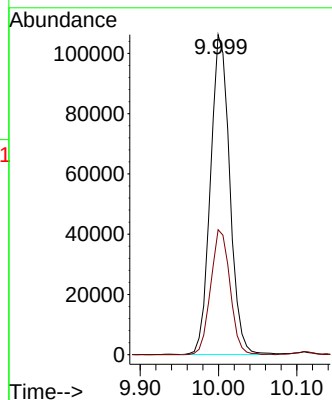
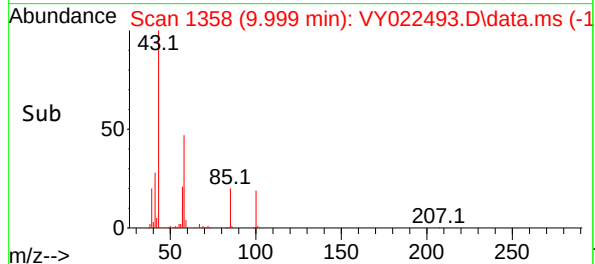
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 181463
Ion Ratio Lower Upper
43 100
58 39.2 30.4 45.6

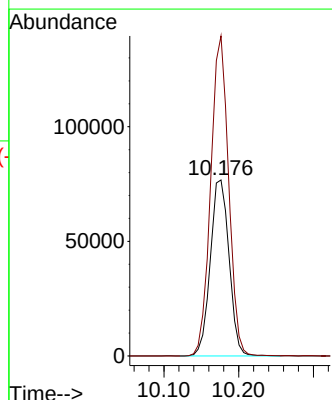
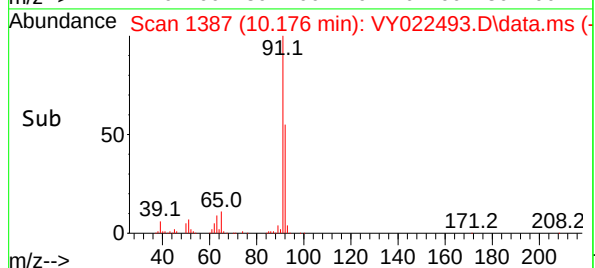
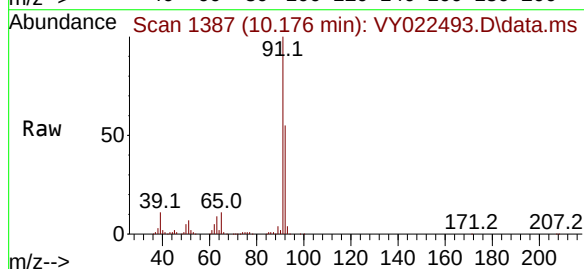
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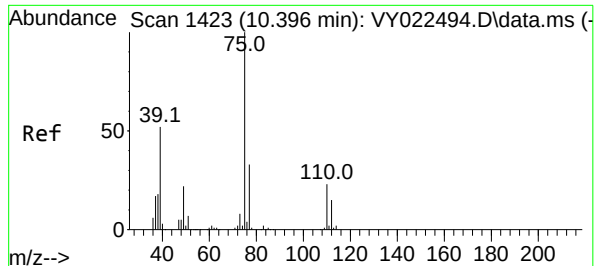
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#52
Toluene
Concen: 20.508 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 92 Resp: 133601
Ion Ratio Lower Upper
92 100
91 174.3 139.0 208.4





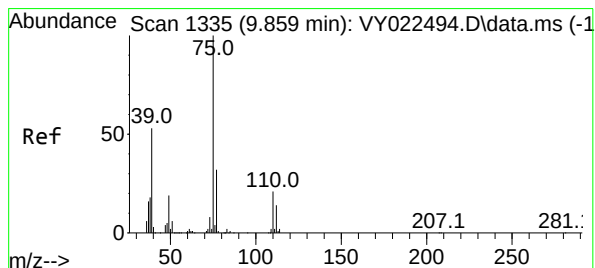
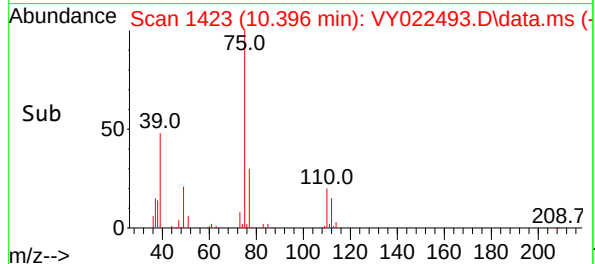
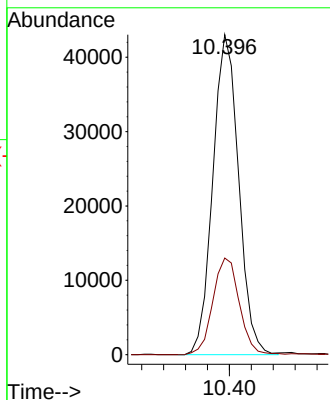
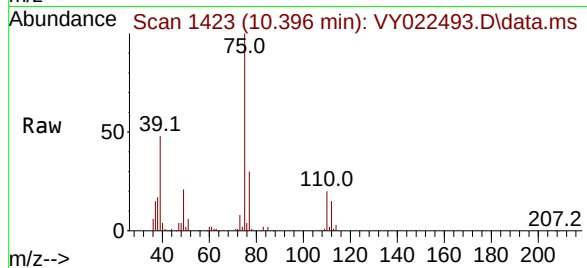
#53
t-1,3-Dichloropropene
Concen: 21.660 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 70358
Ion Ratio Lower Upper
75 100
77 30.2 26.5 39.7

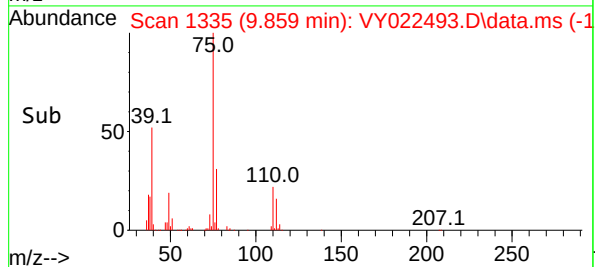
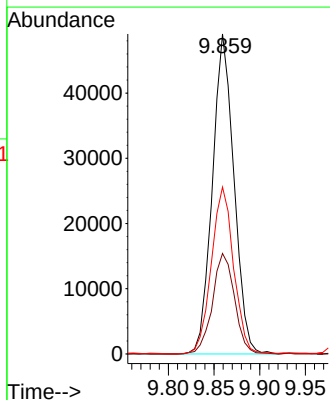
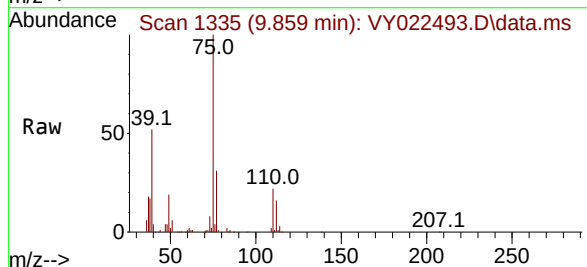
Manual Integrations
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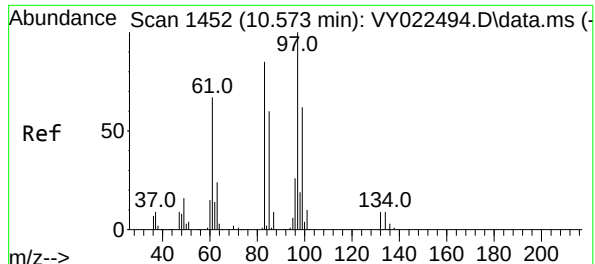
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#54
cis-1,3-Dichloropropene
Concen: 21.141 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

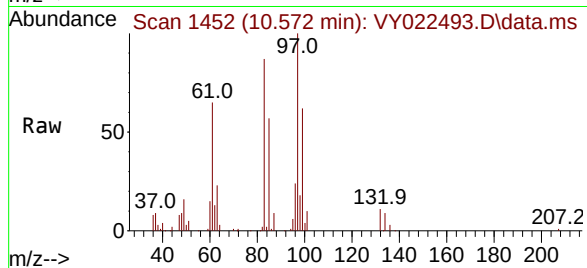
Tgt Ion: 75 Resp: 80524
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
39 52.1 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 21.849 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

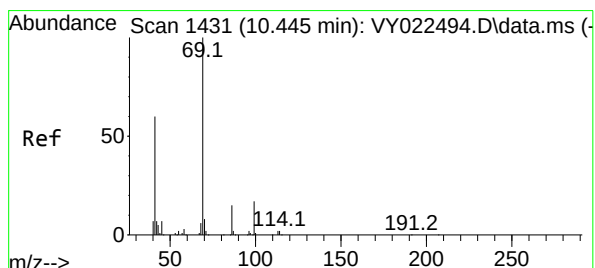
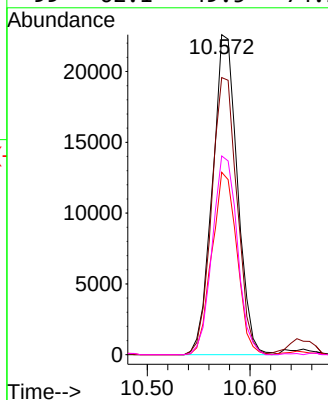
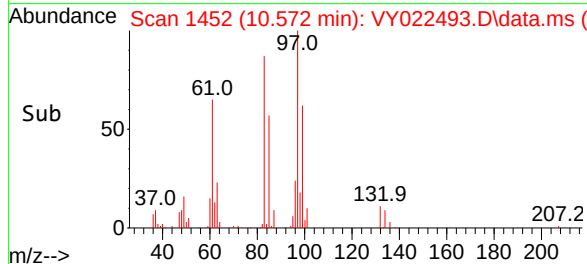
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 97 Resp: 38079
Ion Ratio Lower Upper
97 100
83 86.6 68.1 102.1
85 57.0 48.2 72.2
99 62.1 49.5 74.3

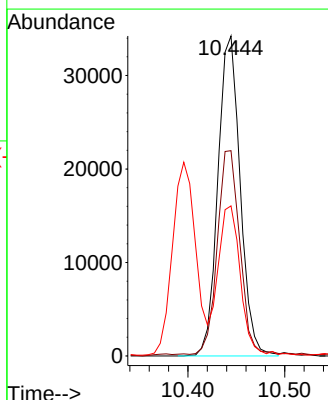
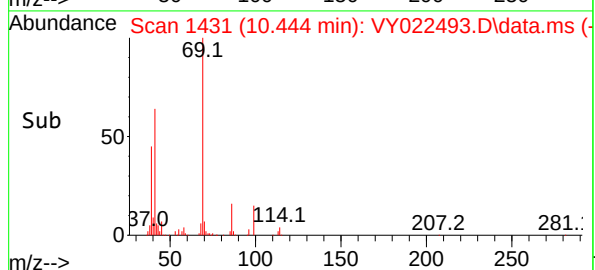
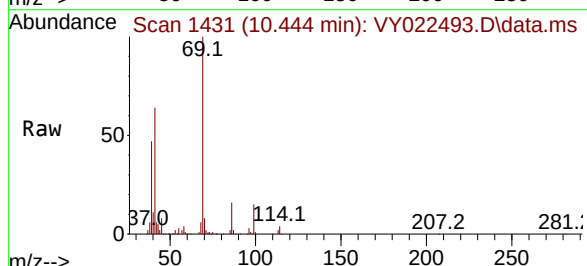
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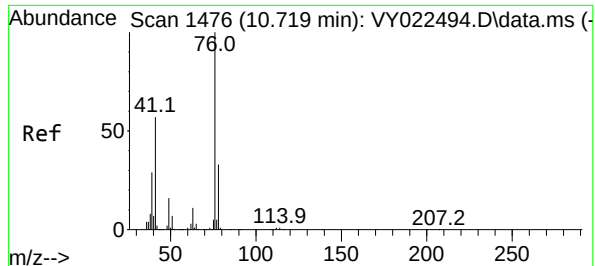
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#56
Ethyl methacrylate
Concen: 21.626 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

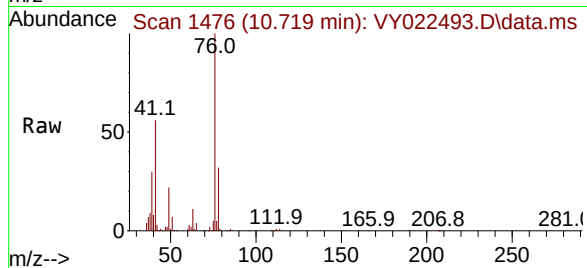
Tgt Ion: 69 Resp: 54734
Ion Ratio Lower Upper
69 100
41 64.8 52.2 78.2
39 46.8 36.7 55.1





#57
1,3-Dichloropropane
Concen: 21.317 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

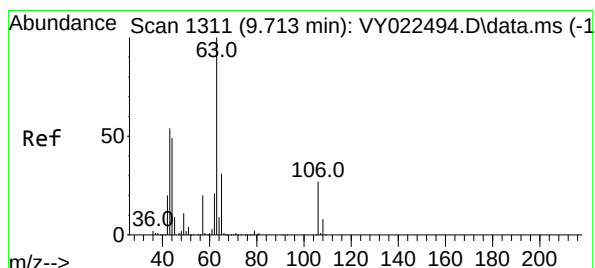
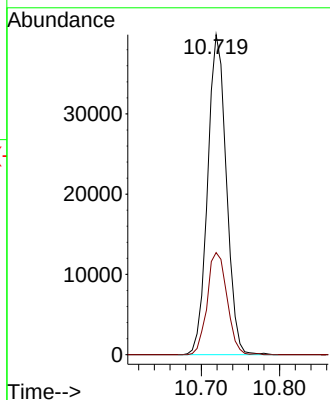
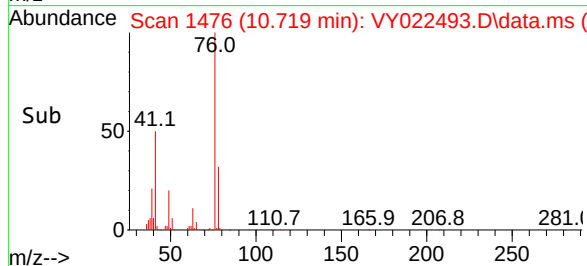
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 66163
Ion Ratio Lower Upper
76 100
78 33.8 25.8 38.8

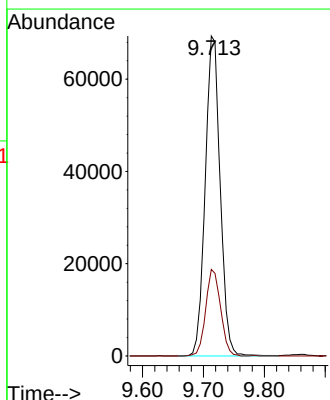
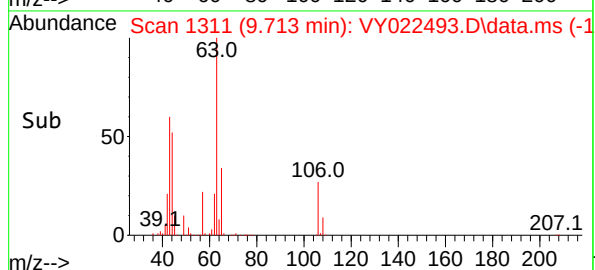
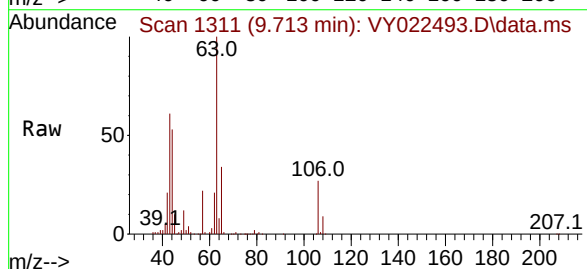
Manual Integrations
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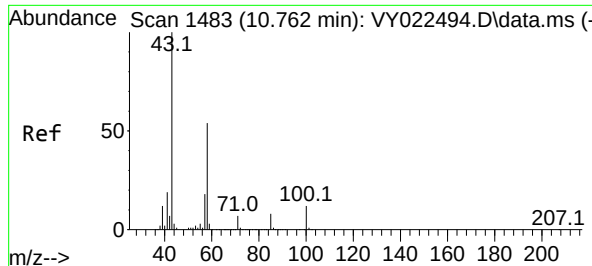
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#58
2-Chloroethyl Vinyl ether
Concen: 104.797 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 118244
Ion Ratio Lower Upper
63 100
106 26.8 21.6 32.4





#59

2-Hexanone

Concen: 109.805 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 12281

Ion Ratio Lower Upper

43

100

58

53.8

27.3

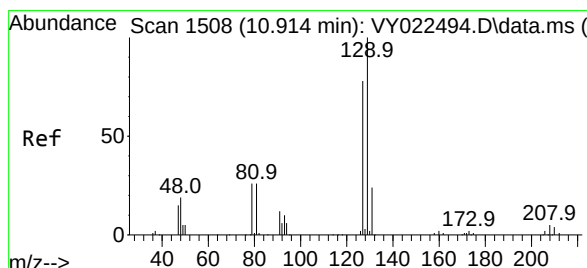
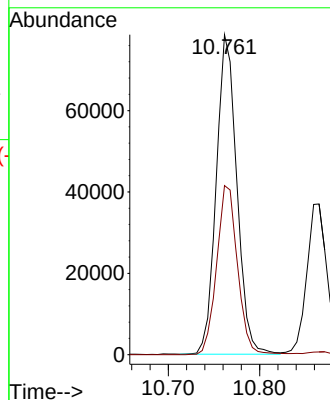
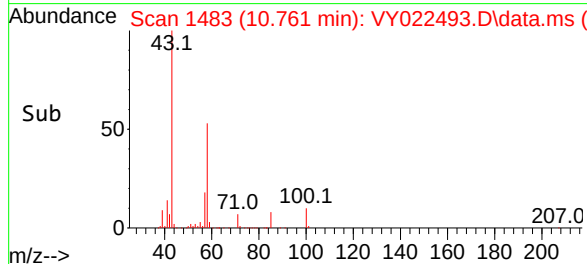
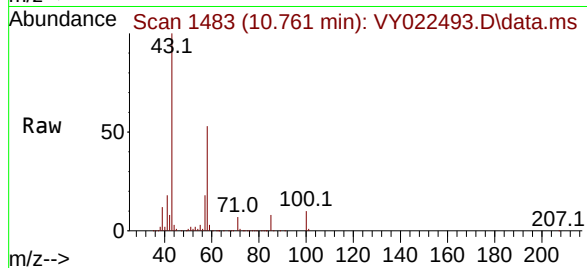
81.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#60

Dibromochloromethane

Concen: 21.715 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Tgt Ion:129 Resp: 47952

Ion Ratio Lower Upper

129

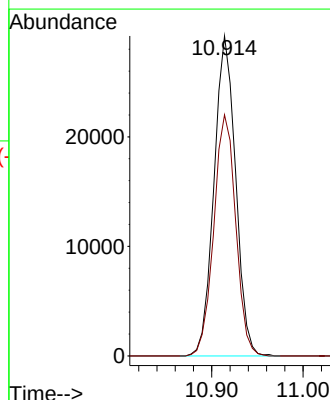
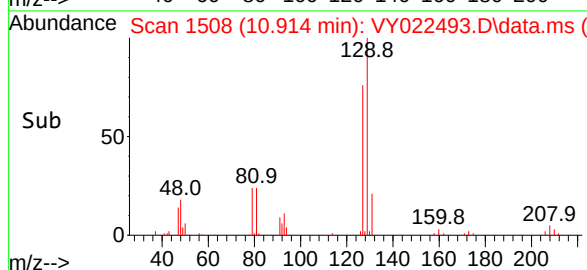
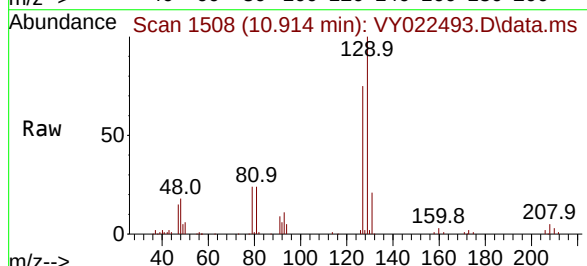
100

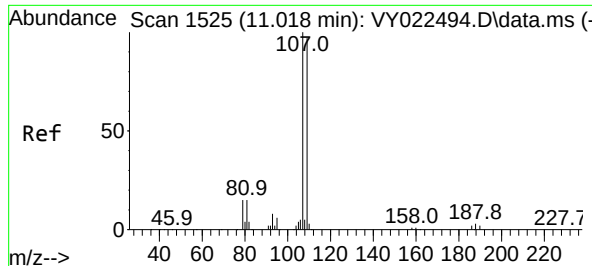
127

76.5

39.1

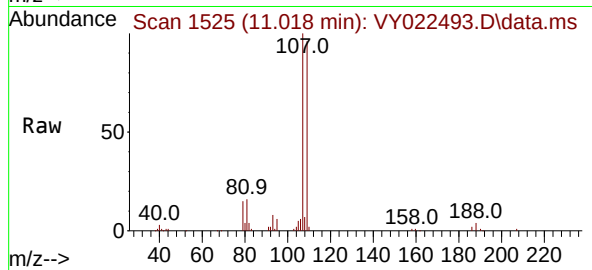
117.2





#61
1,2-Dibromoethane
Concen: 21.965 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

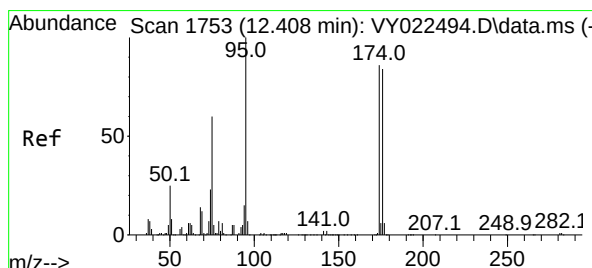
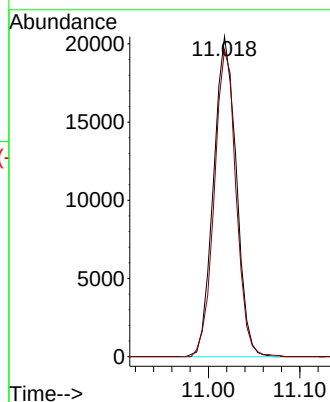
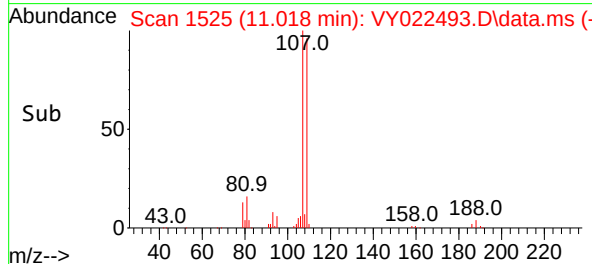
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 107 Resp: 35324
Ion Ratio Lower Upper
107 100
109 92.4 77.7 116.5

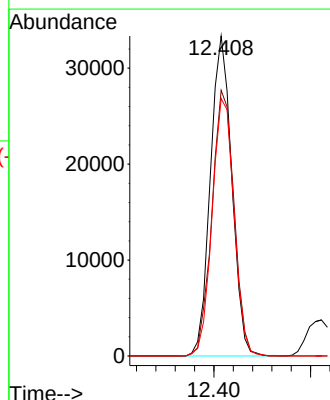
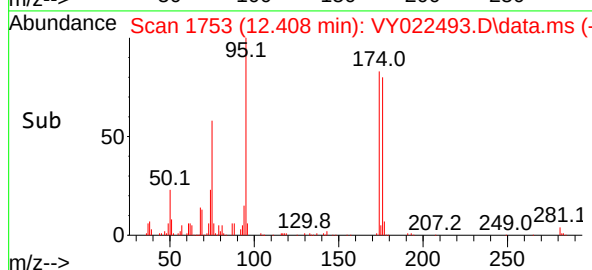
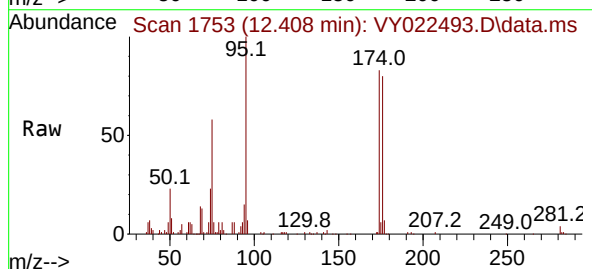
Manual Integrations
APPROVED

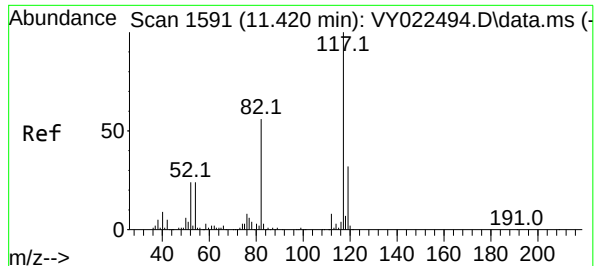
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#62
4-Bromofluorobenzene
Concen: 19.225 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

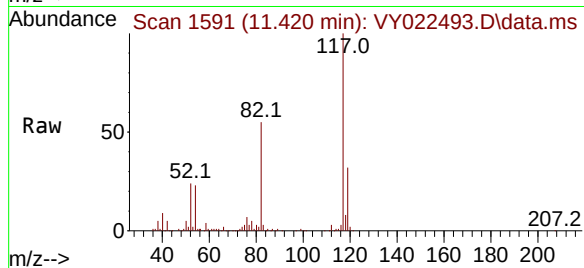
Tgt Ion: 95 Resp: 51231
Ion Ratio Lower Upper
95 100
174 85.7 0.0 170.0
176 82.3 0.0 166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

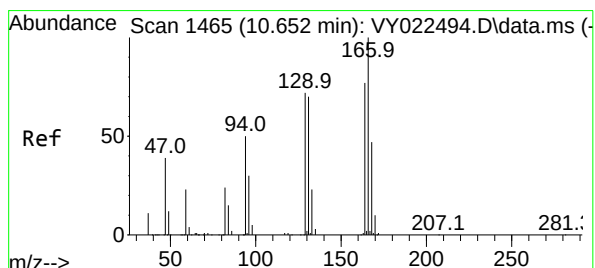
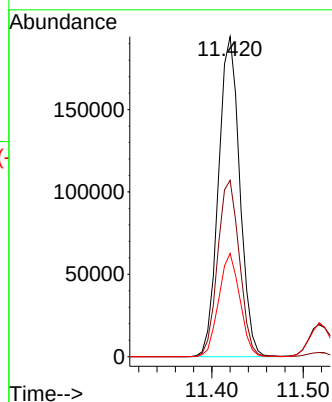
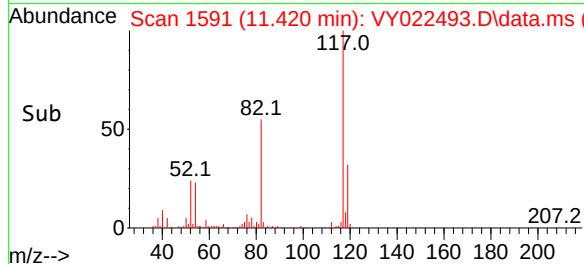
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:117 Resp: 314270
Ion Ratio Lower Upper
117 100
82 55.1 44.6 66.8
119 32.2 25.4 38.0

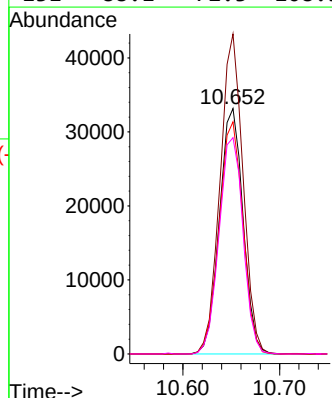
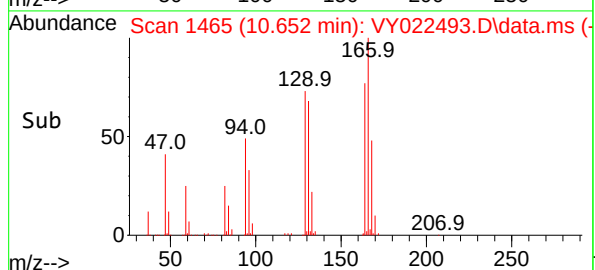
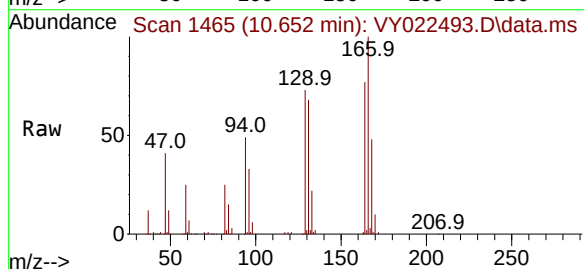
Manual Integrations
APPROVED

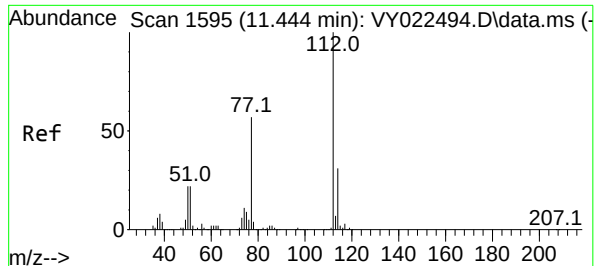
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

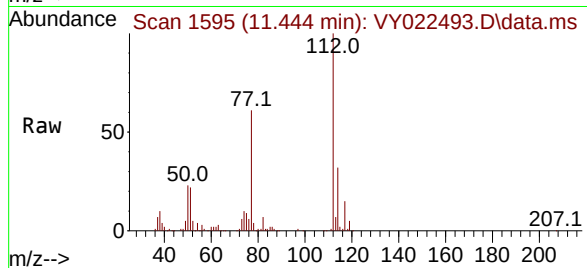
Tgt Ion:164 Resp: 56256
Ion Ratio Lower Upper
164 100
166 130.3 104.0 156.0
129 94.6 74.5 111.7
131 88.1 72.3 108.5





#65
Chlorobenzene
Concen: 20.336 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

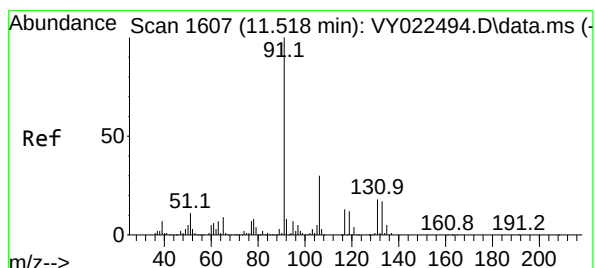
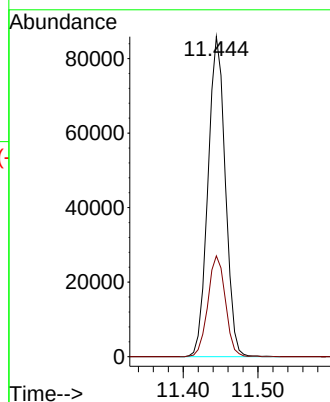
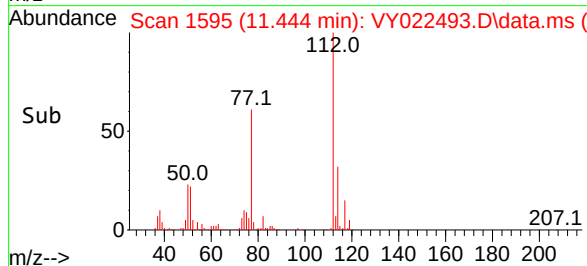
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:112 Resp: 13858
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6

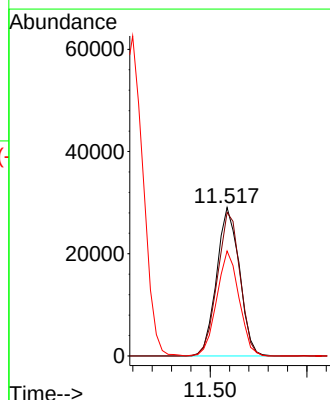
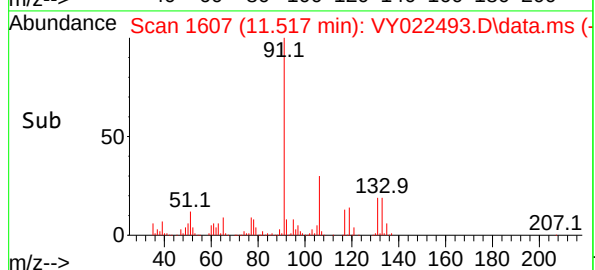
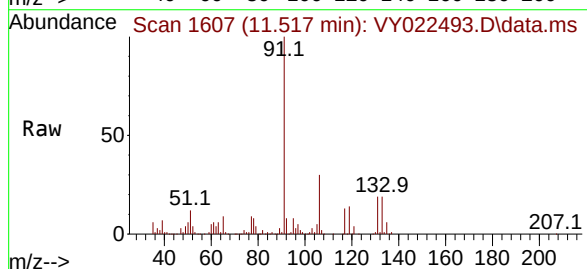
Manual Integrations
APPROVED

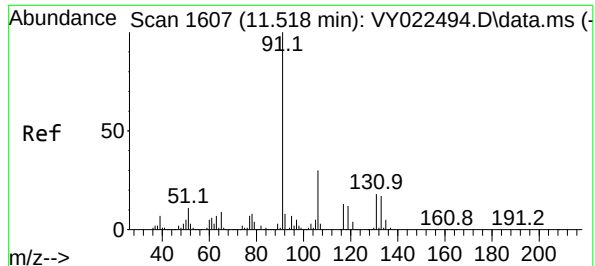
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.600 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:131 Resp: 47587
Ion Ratio Lower Upper
131 100
133 95.9 47.3 141.8
119 68.9 33.1 99.3





#67

Ethyl Benzene

Concen: 19.871 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 252180

Ion Ratio Lower Upper

91 100

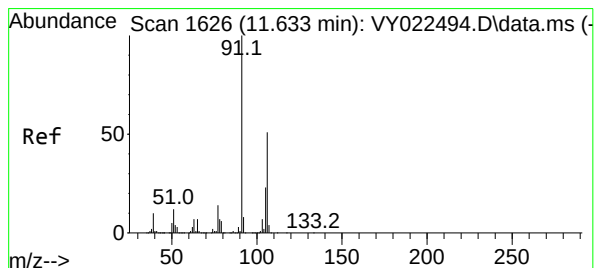
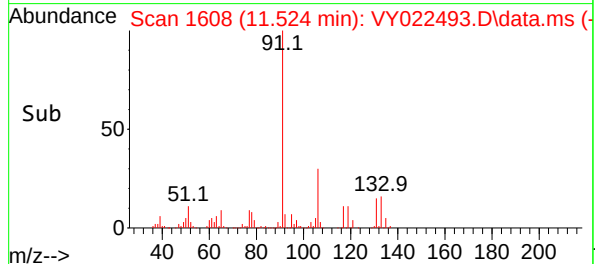
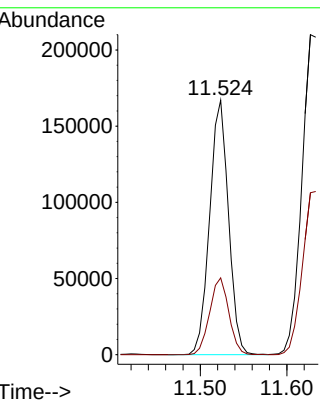
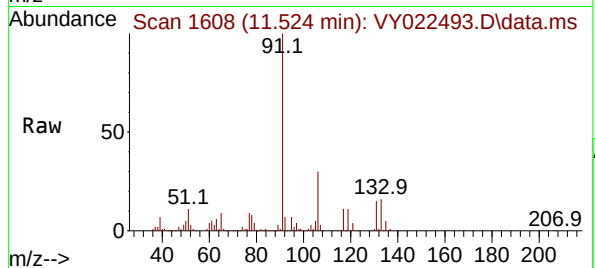
106 30.2 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#68

m/p-Xylenes

Concen: 40.053 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. -0.000 min

Lab File: VY022493.D

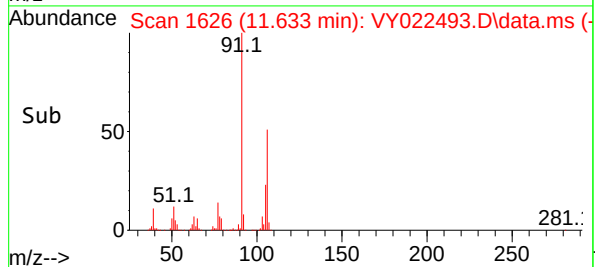
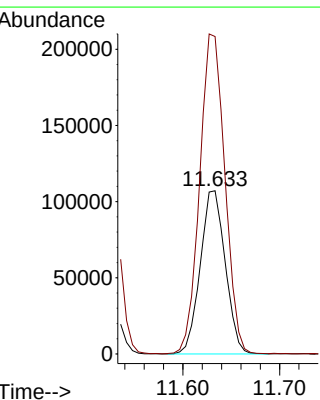
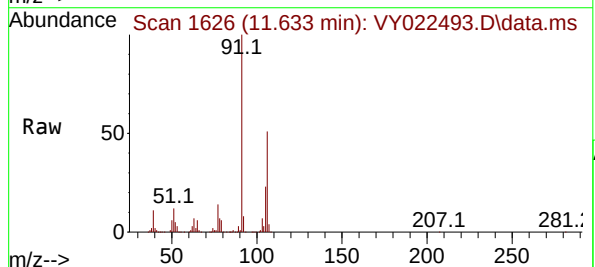
Acq: 02 Jun 2025 12:32

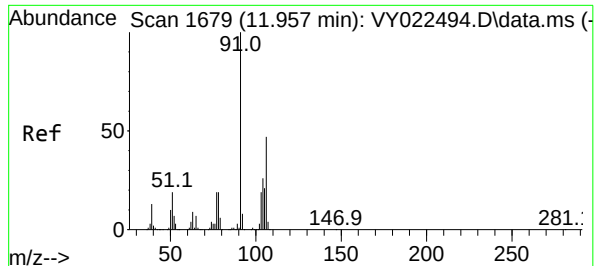
Tgt Ion:106 Resp: 192372

Ion Ratio Lower Upper

106 100

91 197.2 159.4 239.0





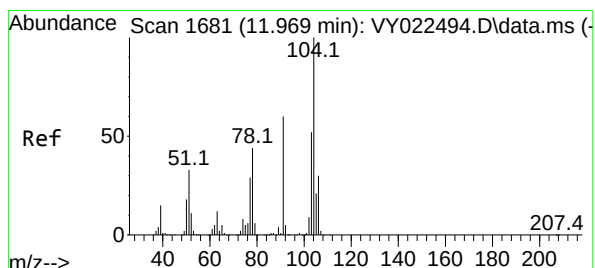
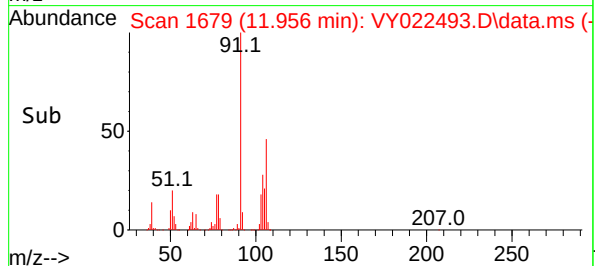
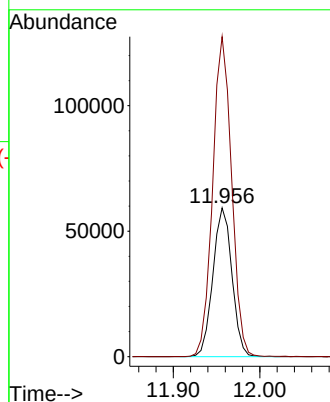
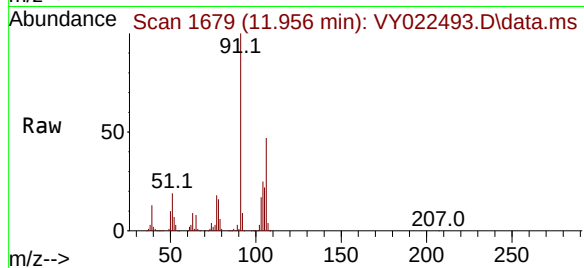
#69
o-Xylene
Concen: 20.155 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 90598
Ion Ratio Lower Upper
106 100
91 214.1 105.8 317.3

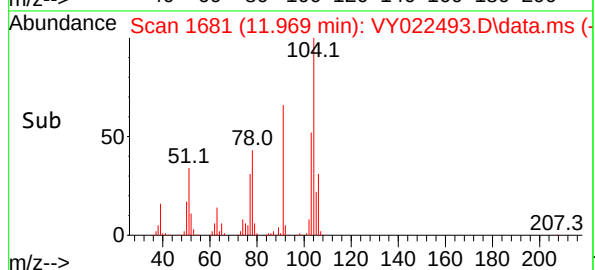
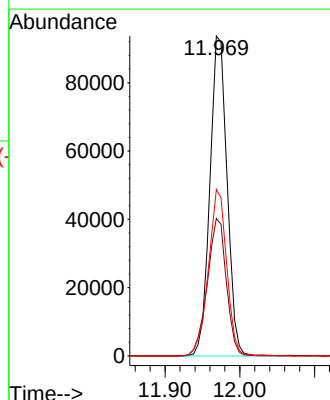
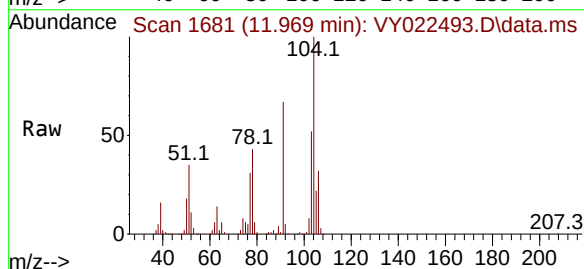
Manual Integrations
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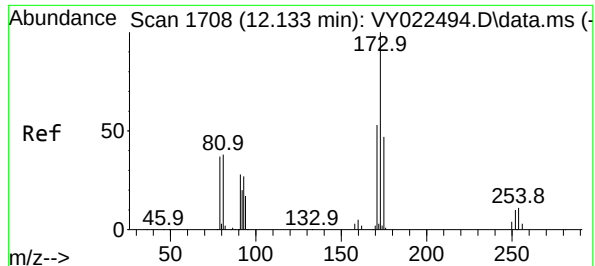
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#70
Styrene
Concen: 20.086 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

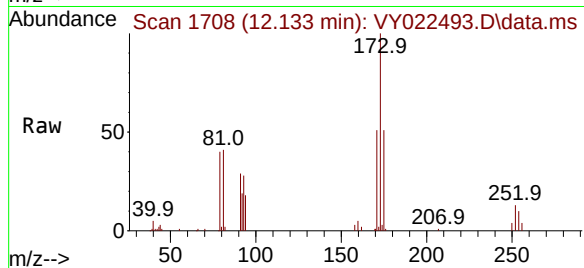
Tgt Ion:104 Resp: 149486
Ion Ratio Lower Upper
104 100
78 47.5 39.5 59.3
103 55.4 44.1 66.1





#71
Bromoform
Concen: 20.668 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

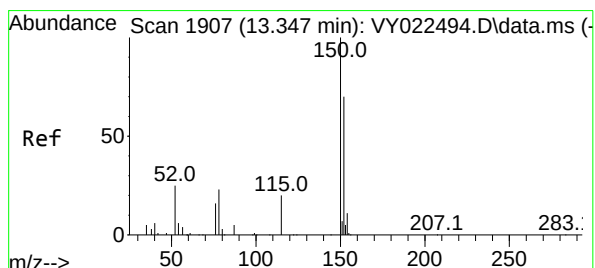
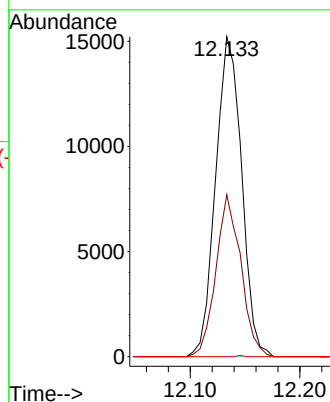
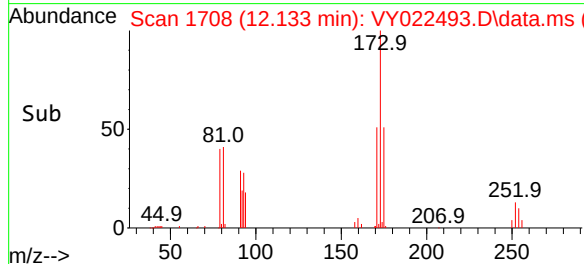
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:173 Resp: 25089
Ion Ratio Lower Upper
173 100
175 48.6 23.8 71.5
254 0.1 0.0 0.0

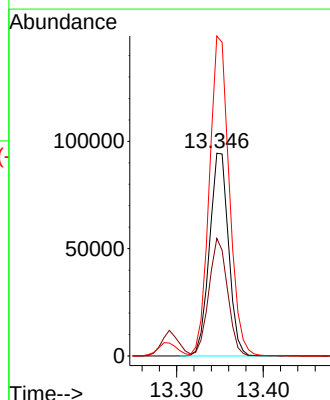
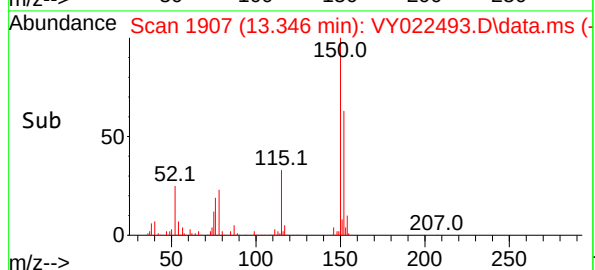
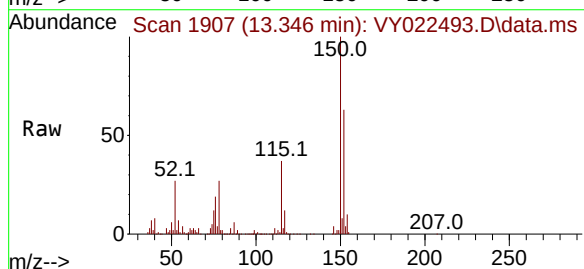
Manual Integrations
APPROVED

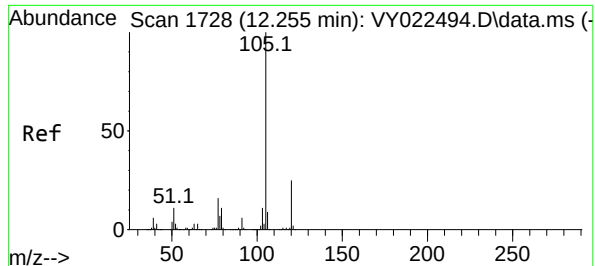
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

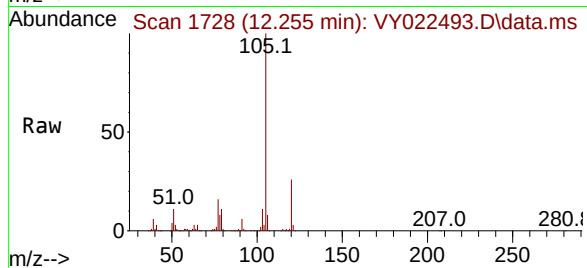
Tgt Ion:152 Resp: 144385
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.7
150 164.8 0.0 349.6





#73
Isopropylbenzene
Concen: 20.303 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

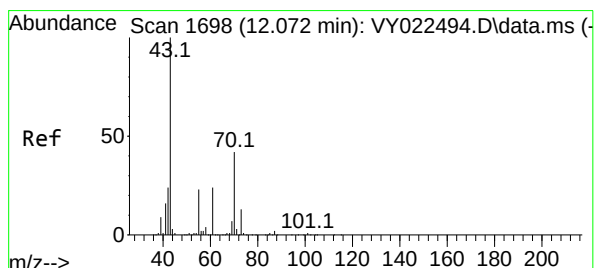
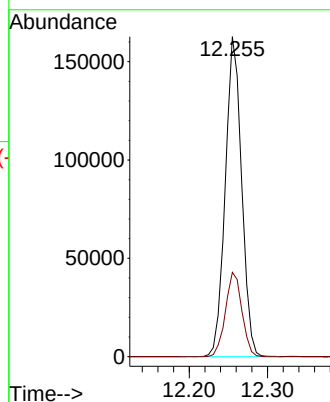
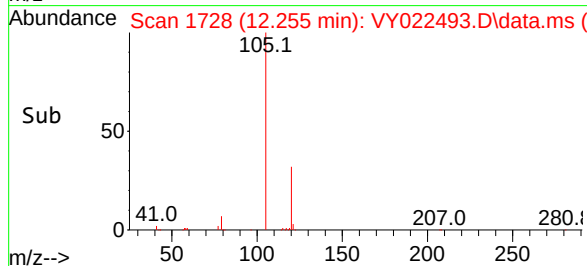
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 236185
Ion Ratio Lower Upper
105 100
120 26.5 13.0 38.9

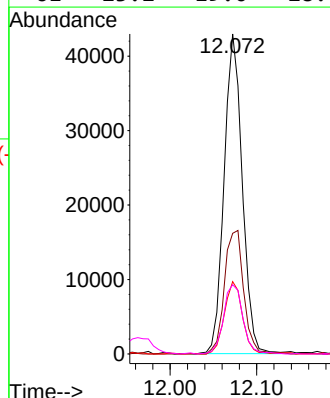
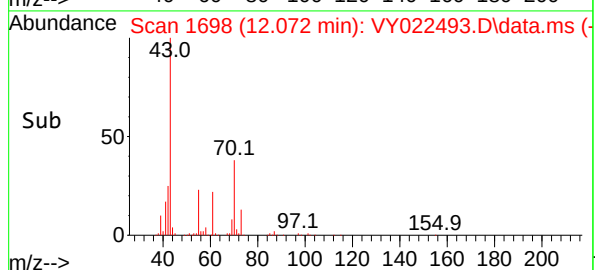
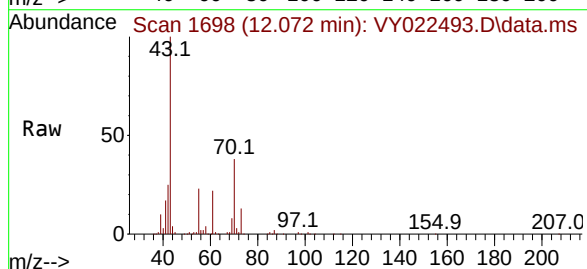
Manual Integrations
APPROVED

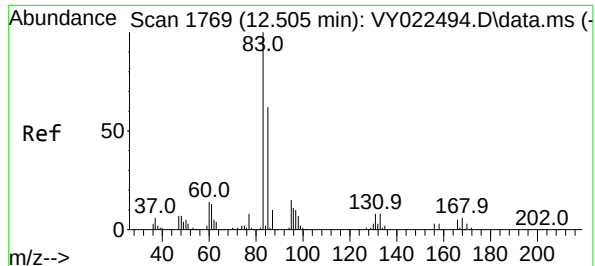
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#74
N-ethyl acetate
Concen: 21.224 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

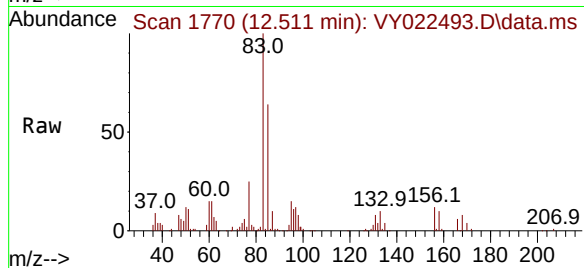
Tgt Ion: 43 Resp: 62437
Ion Ratio Lower Upper
43 100
70 41.2 34.2 51.2
55 22.6 18.2 27.4
61 23.2 19.0 28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 21.165 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

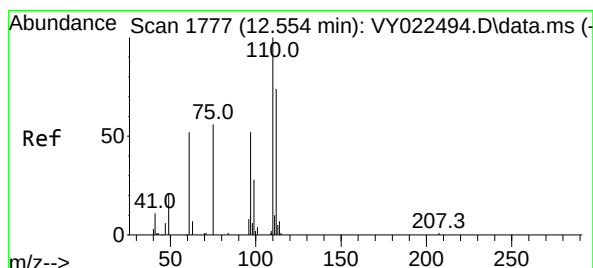
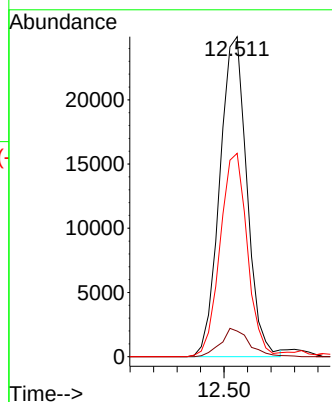
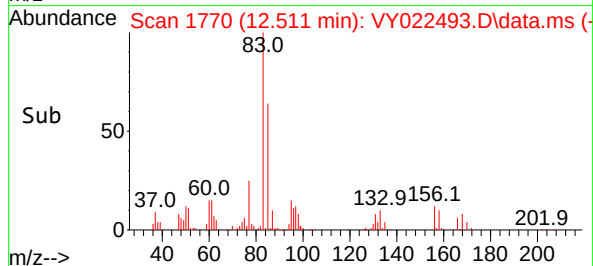
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



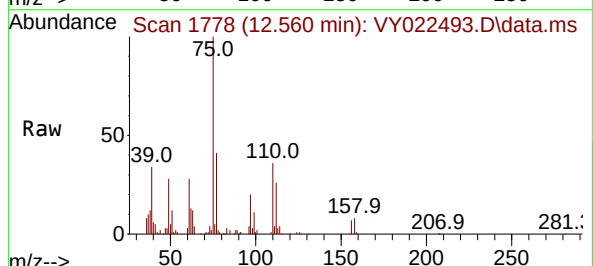
Tgt Ion: 83 Resp: 39980
Ion Ratio Lower Upper
83 100
131 9.2 4.9 14.7
85 63.8 32.6 97.8

Manual Integrations
APPROVED

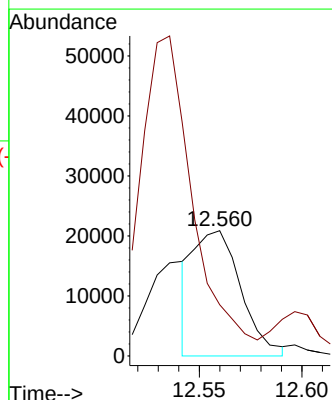
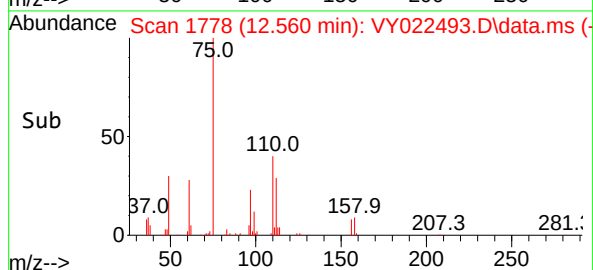
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

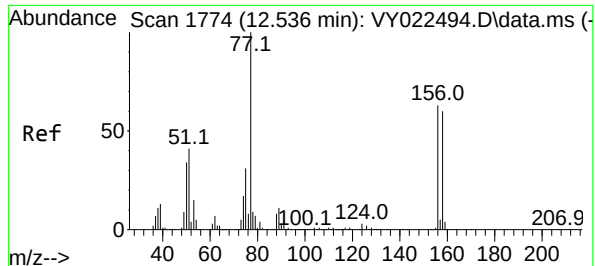


#76
1,2,3-Trichloropropane
Concen: 17.622 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32



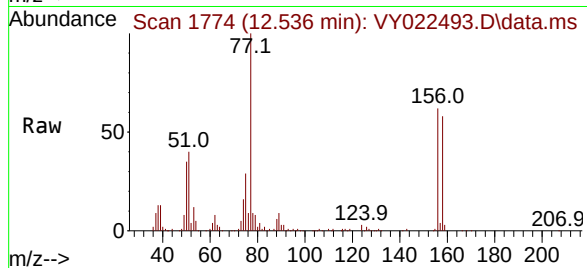
Tgt Ion: 75 Resp: 33589
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 20.853 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

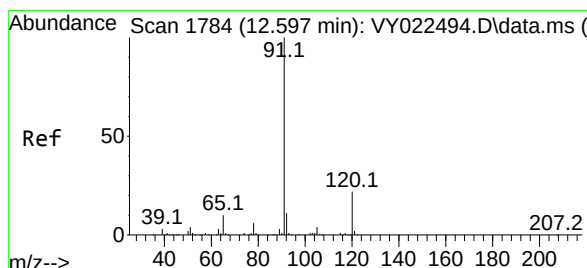
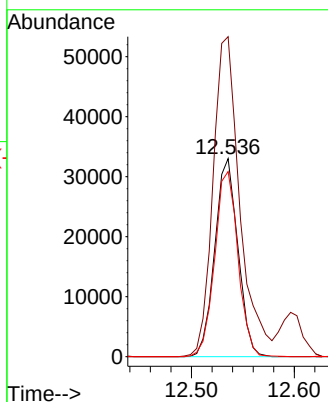
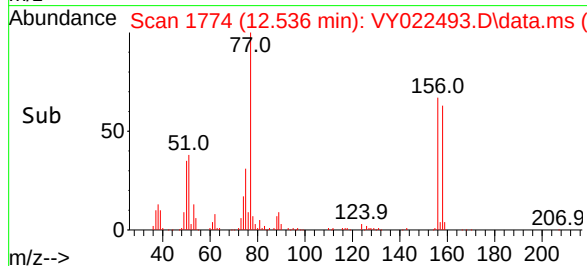
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:156 Resp: 51410
Ion Ratio Lower Upper
156 100
77 187.6 94.0 282.1
158 94.2 48.2 144.6

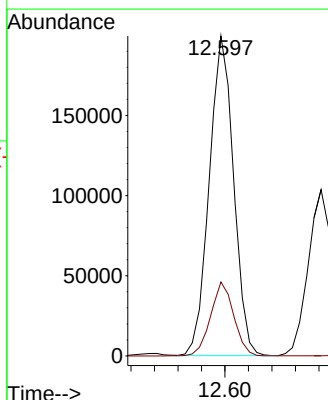
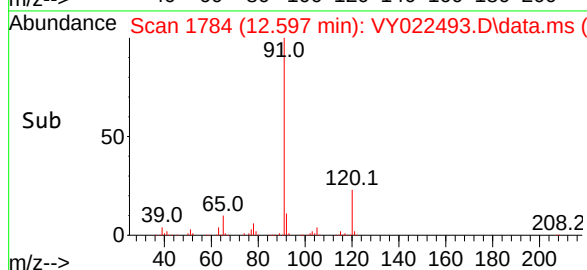
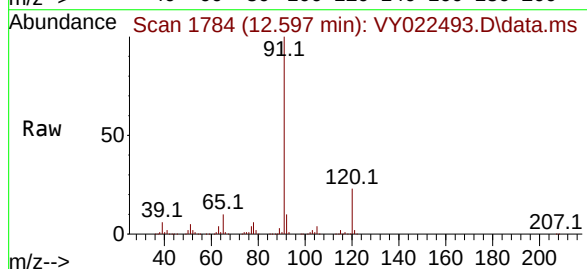
Manual Integrations
APPROVED

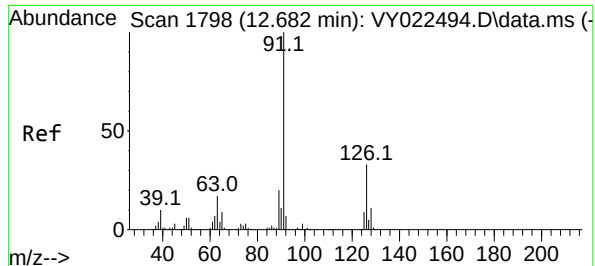
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#78
n-propylbenzene
Concen: 20.239 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 286589
Ion Ratio Lower Upper
91 100
120 22.1 10.8 32.4





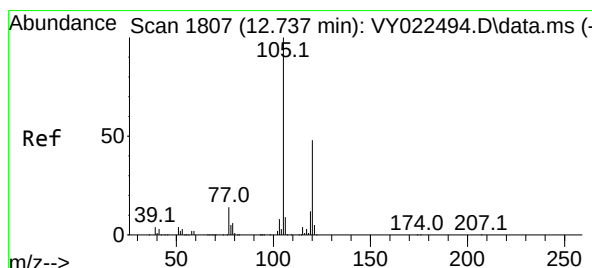
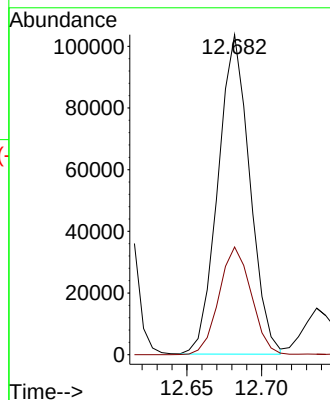
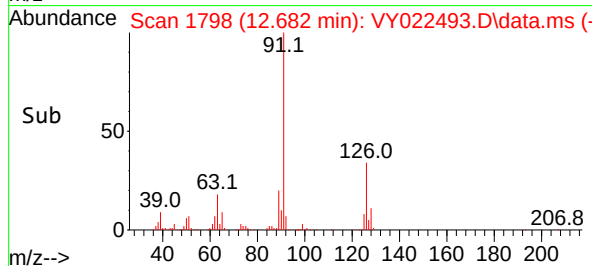
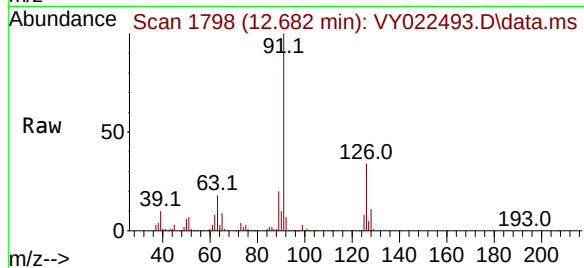
#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 153250
Ion Ratio Lower Upper
91 100
126 34.2 17.0 51.0

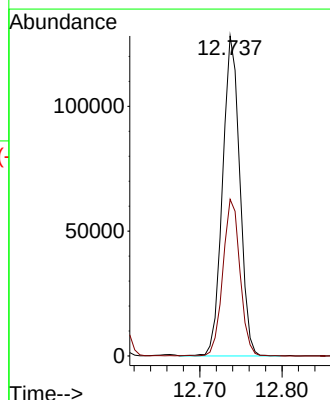
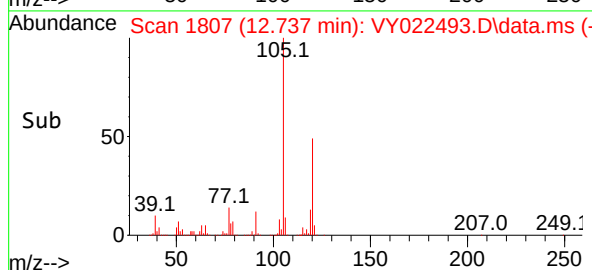
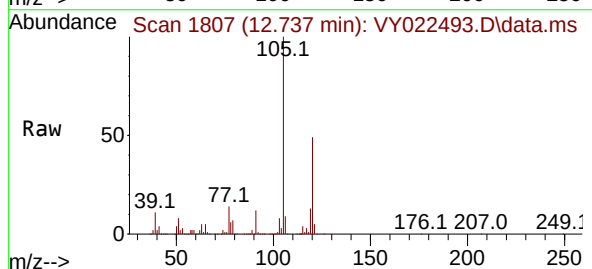
Manual Integrations
APPROVED

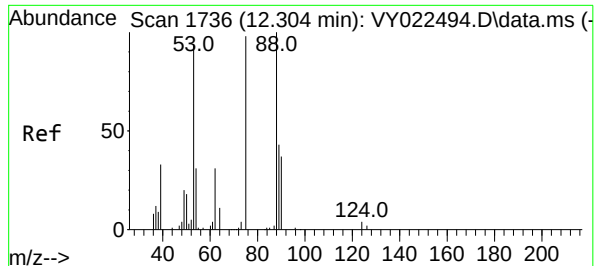
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.570 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

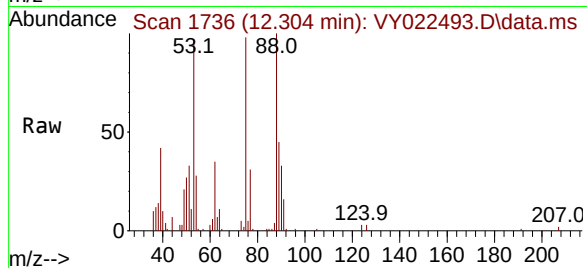
Tgt Ion:105 Resp: 187101
Ion Ratio Lower Upper
105 100
120 48.7 24.1 72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 20.904 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

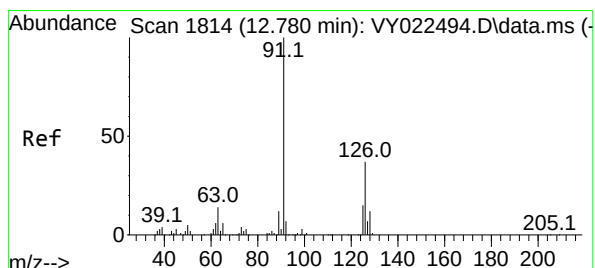
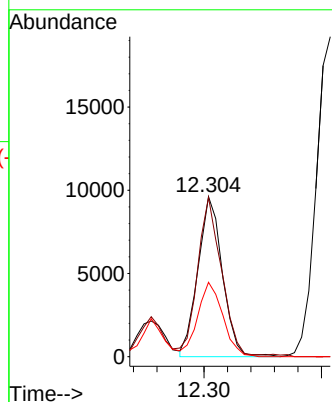
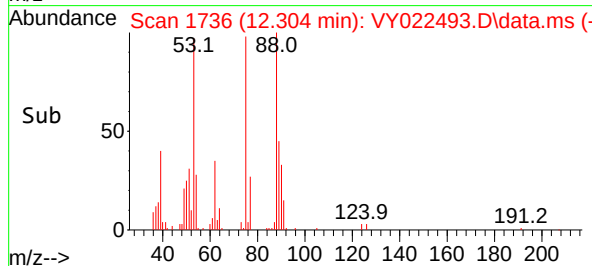
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 1389
Ion Ratio Lower Upper
75 100
53 96.6 78.5 117.7
89 47.7 35.7 53.5

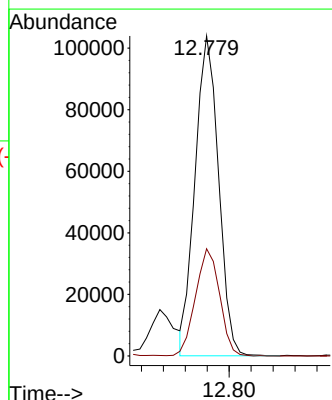
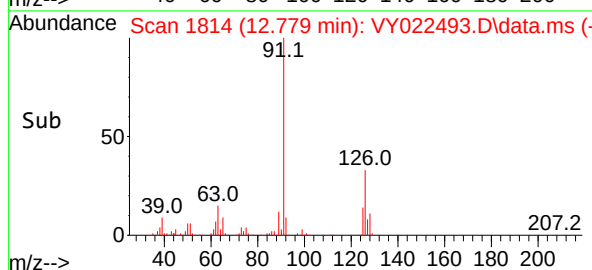
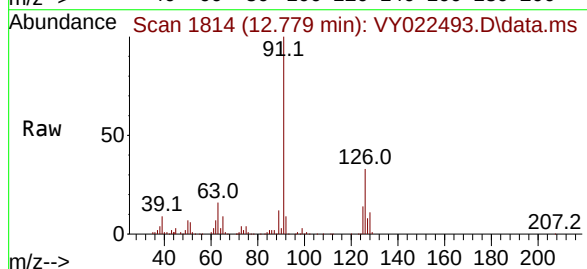
Manual Integrations
APPROVED

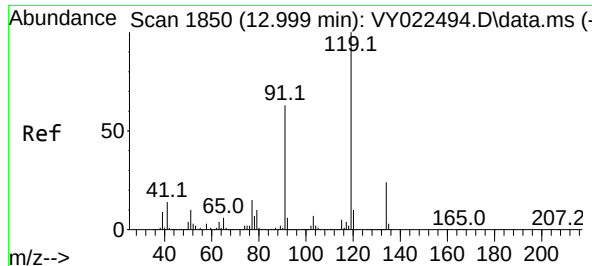
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#82
4-Chlorotoluene
Concen: 19.951 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 154601
Ion Ratio Lower Upper
91 100
126 34.4 17.0 50.9





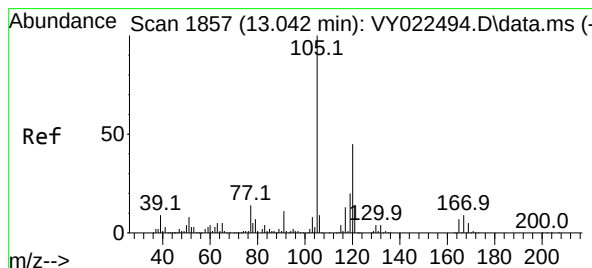
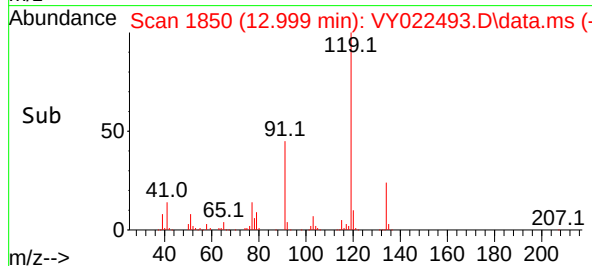
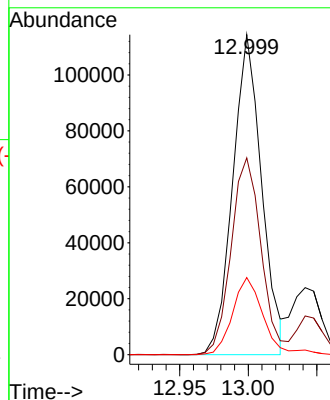
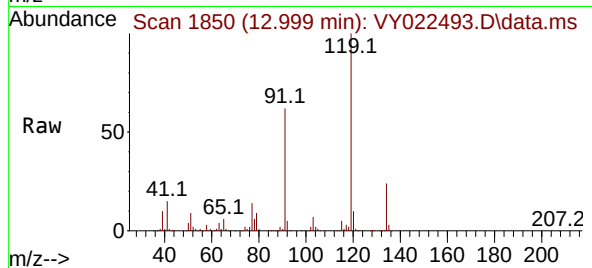
#83
tert-Butylbenzene
Concen: 20.188 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 167512
Ion Ratio Lower Upper
119 100
91 64.4 32.1 96.3
134 25.7 13.0 38.9

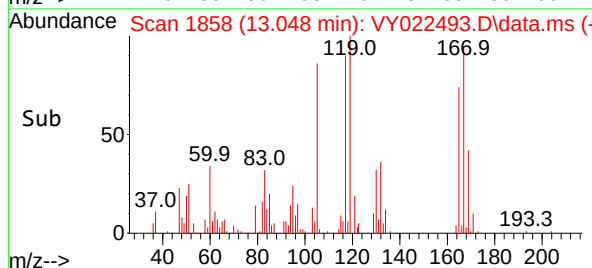
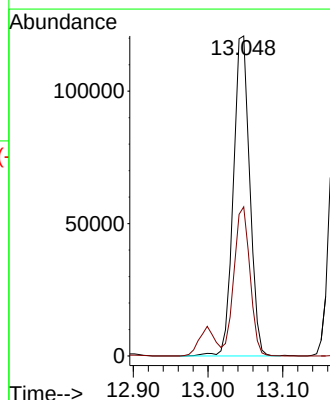
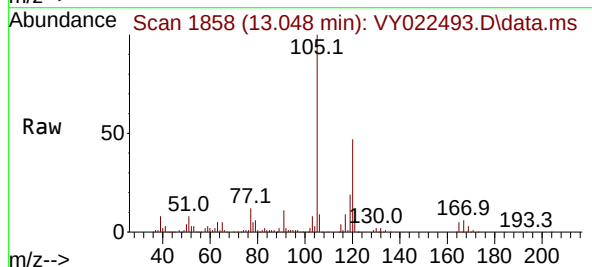
Manual Integrations
APPROVED

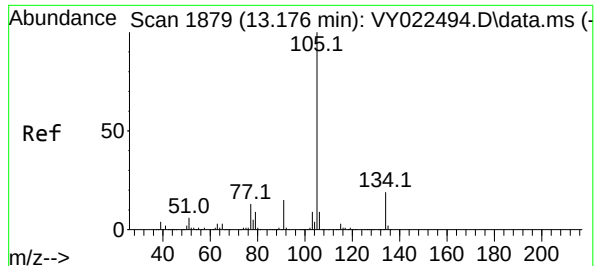
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#84
1,2,4-Trimethylbenzene
Concen: 20.241 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

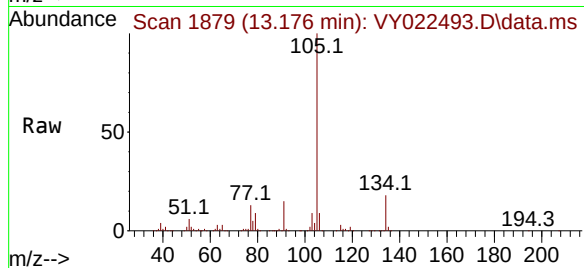
Tgt Ion:105 Resp: 184202
Ion Ratio Lower Upper
105 100
120 45.6 22.7 68.1





#85
sec-Butylbenzene
Concen: 19.979 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

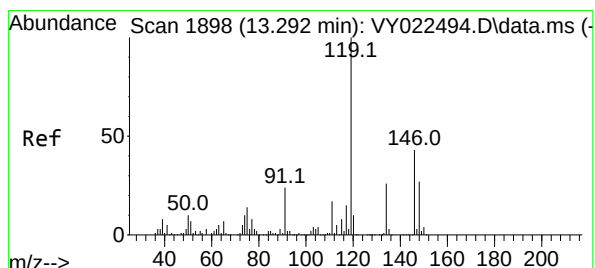
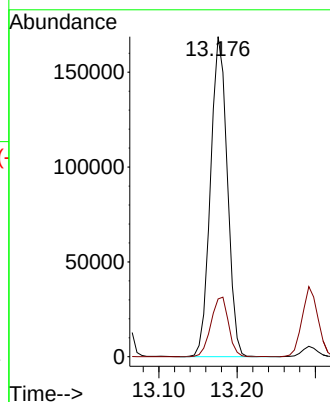
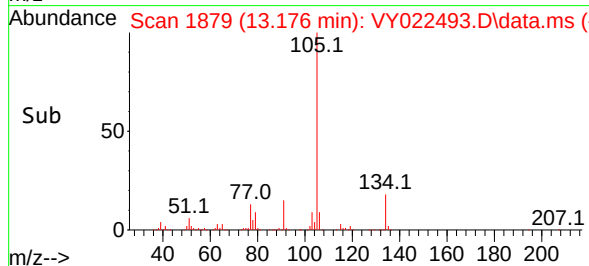
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 251350
Ion Ratio Lower Upper
105 100
134 19.3 9.7 28.9

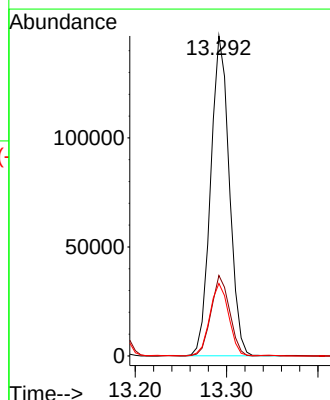
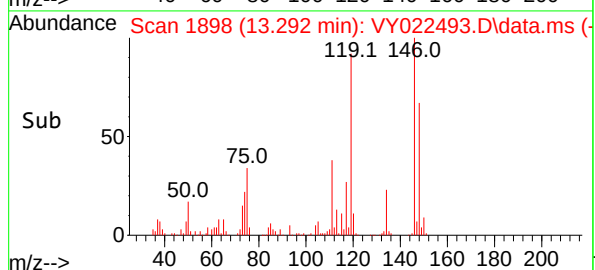
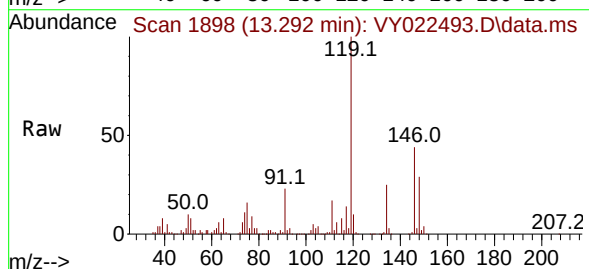
Manual Integrations
APPROVED

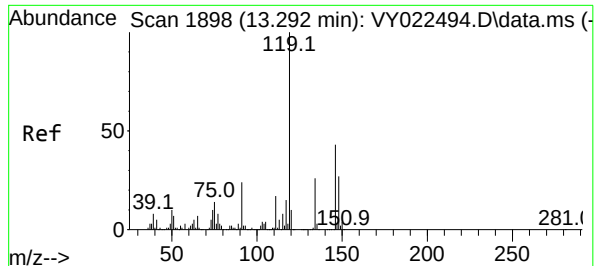
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#86
p-Isopropyltoluene
Concen: 20.054 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:119 Resp: 207417
Ion Ratio Lower Upper
119 100
134 25.1 13.1 39.1
91 22.8 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 20.252 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

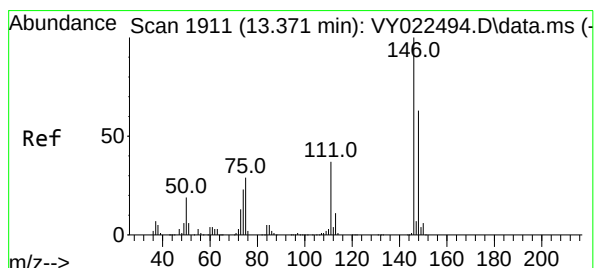
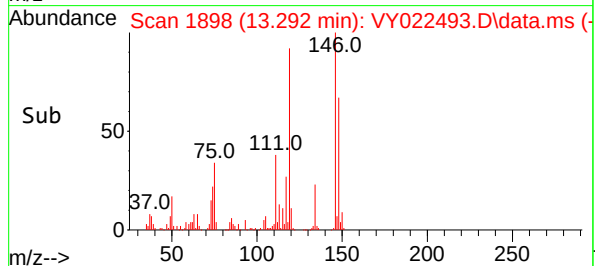
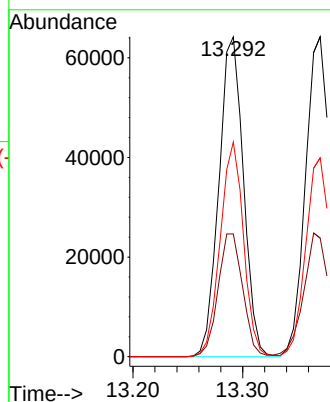
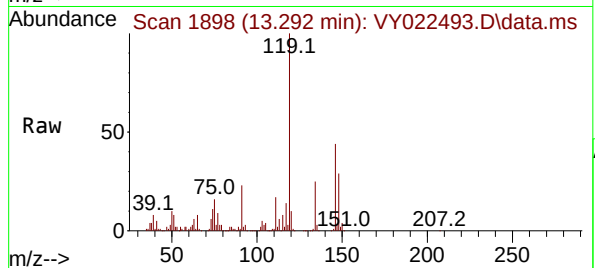
VSTDIC020

Tgt Ion:146	Resp:	9990
Ion Ratio	Lower	Upper
146	100	
111	38.6	20.1 60.2
148	63.9	32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#88

1,4-Dichlorobenzene

Concen: 20.823 ug/l

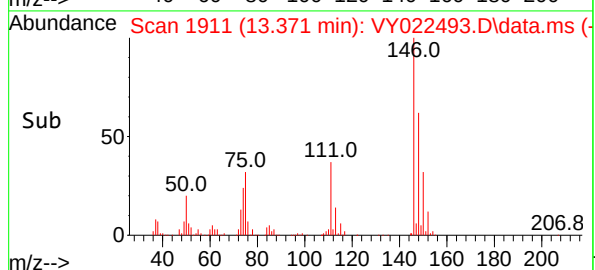
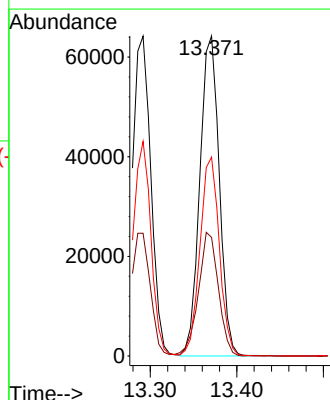
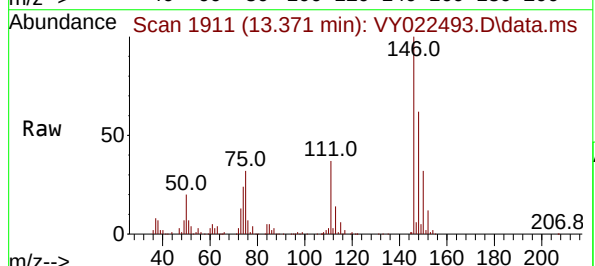
RT: 13.371 min Scan# 1911

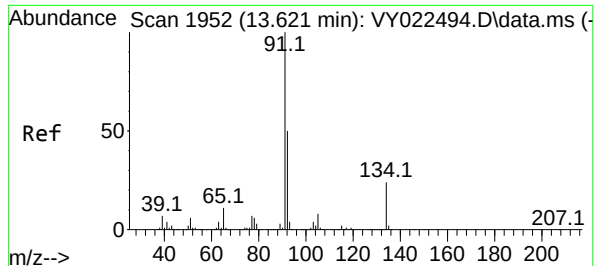
Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Tgt Ion:146	Resp:	100082
Ion Ratio	Lower	Upper
146	100	
111	39.9	19.4 58.2
148	62.1	31.6 94.8





#89

n-Butylbenzene

Concen: 20.287 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

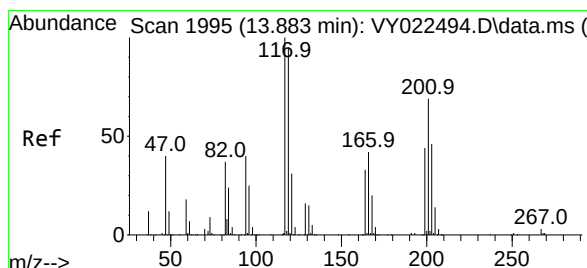
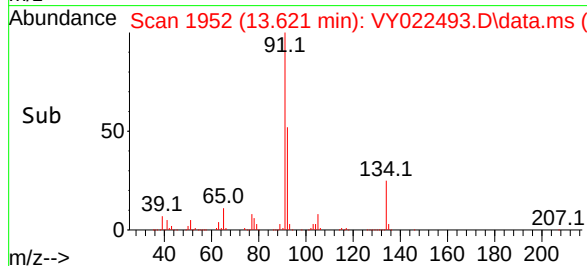
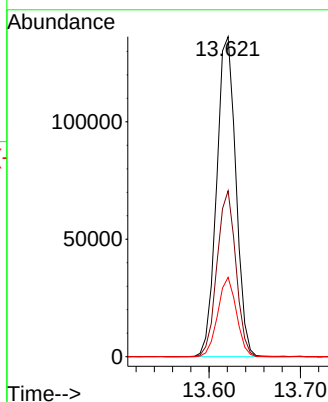
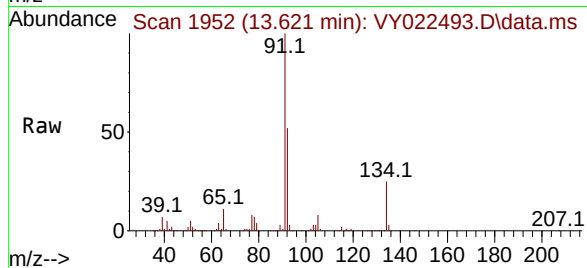
VSTDICC020

Tgt Ion:	91	Resp:	199780
Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.9	77.8
134	24.1	12.0	36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt	06/03/2025
Supervised By :Mahesh Dadoda	06/03/2025



#90

Hexachloroethane

Concen: 20.316 ug/l

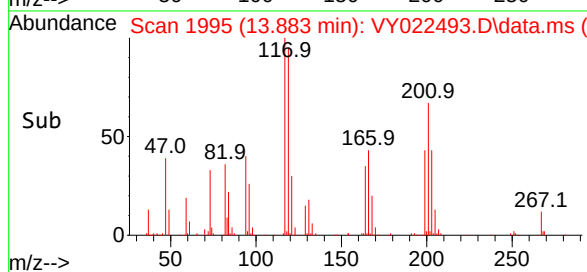
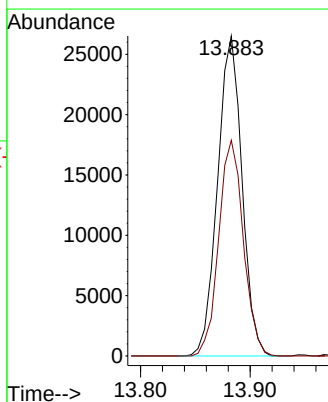
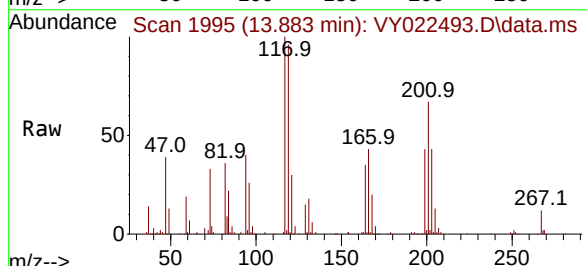
RT: 13.883 min Scan# 1995

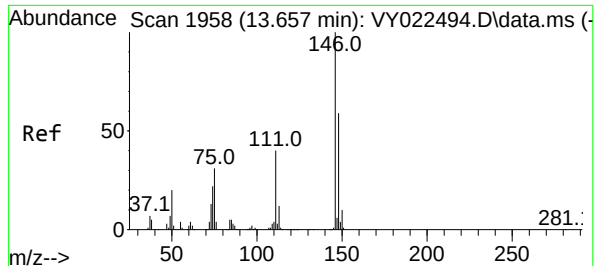
Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

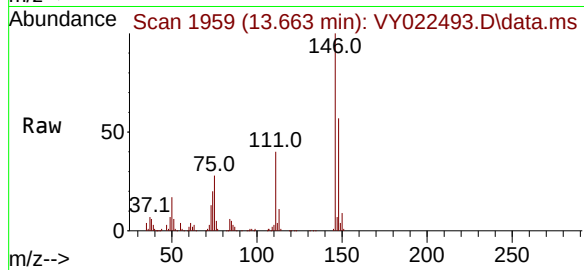
Tgt Ion:	117	Resp:	41119
Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.0	102.0





#91
1,2-Dichlorobenzene
Concen: 21.085 ug/l
RT: 13.663 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

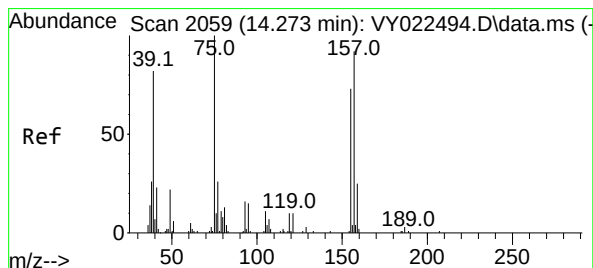
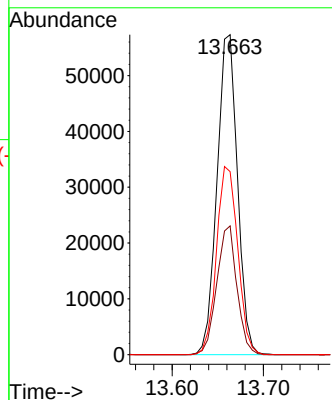
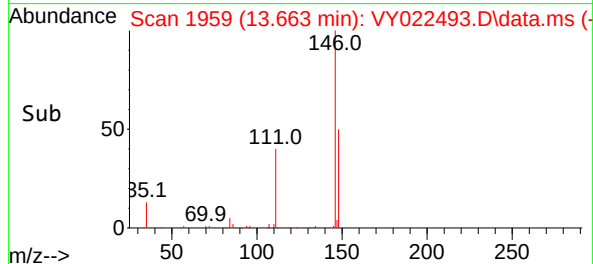
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:146 Resp: 8935
Ion Ratio Lower Upper
146 100
111 39.7 20.2 60.6
148 60.9 31.4 94.0

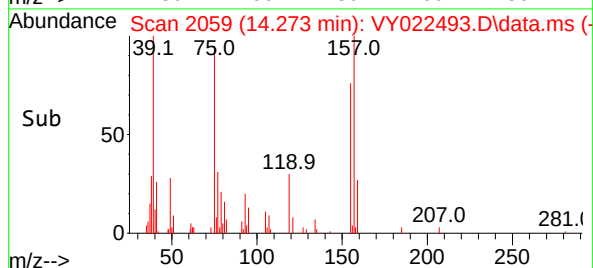
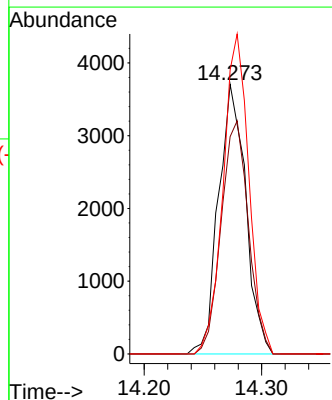
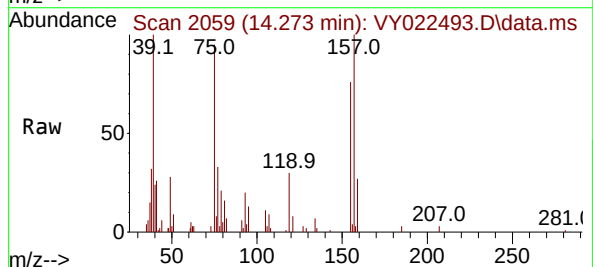
Manual Integrations
APPROVED

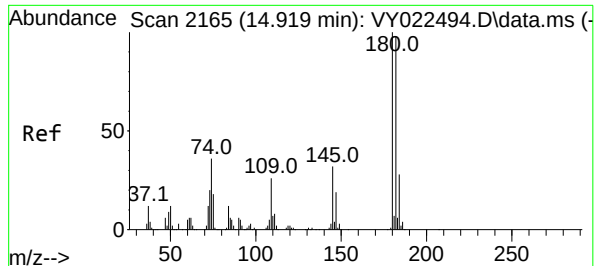
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.796 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 5939
Ion Ratio Lower Upper
75 100
155 87.0 39.9 119.6
157 112.6 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 20.254 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:180 Resp: 46919

Ion Ratio Lower Upper

180 100

182 96.4 48.4 145.3

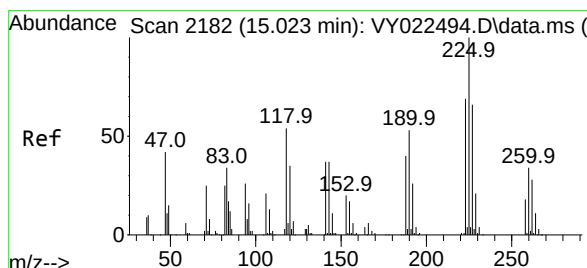
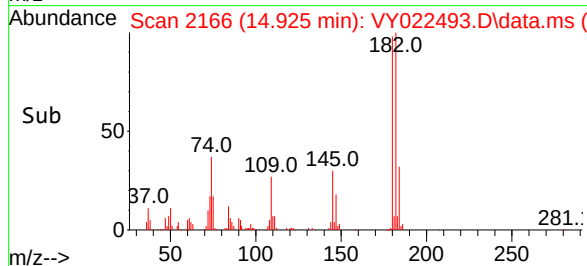
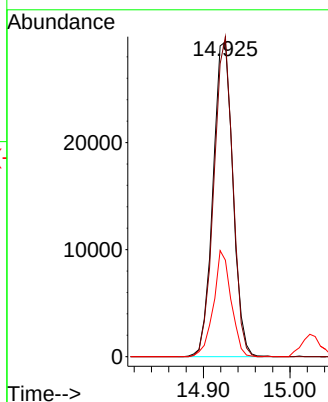
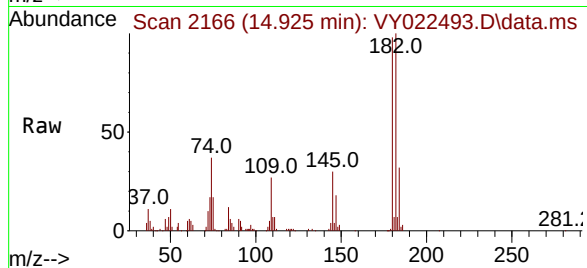
145 29.8 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#94

Hexachlorobutadiene

Concen: 20.124 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

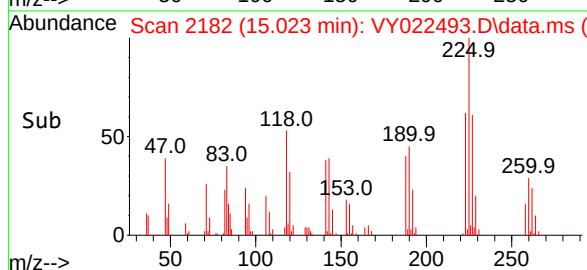
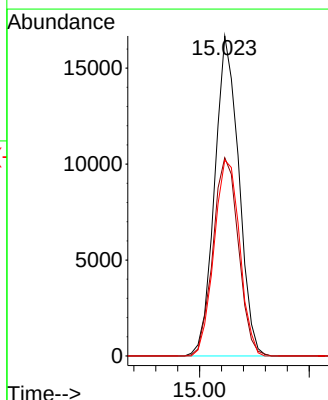
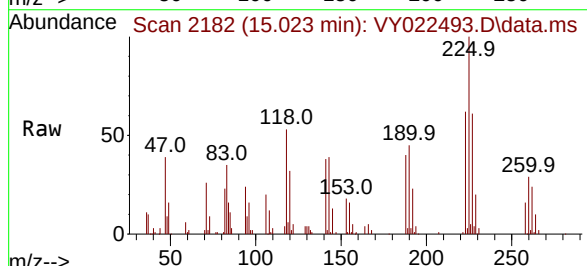
Tgt Ion:225 Resp: 25462

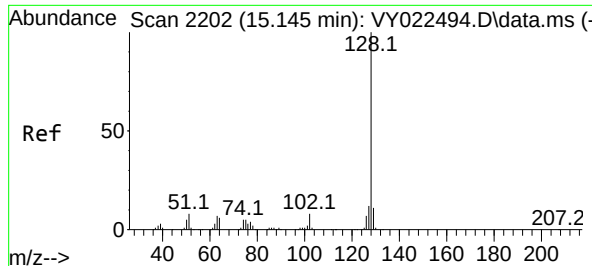
Ion Ratio Lower Upper

225 100

223 65.4 32.5 97.4

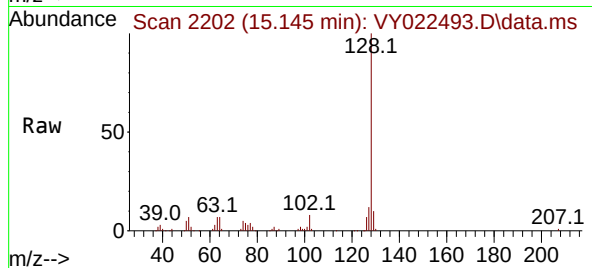
227 65.0 32.3 96.9





#95
Naphthalene
Concen: 20.994 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

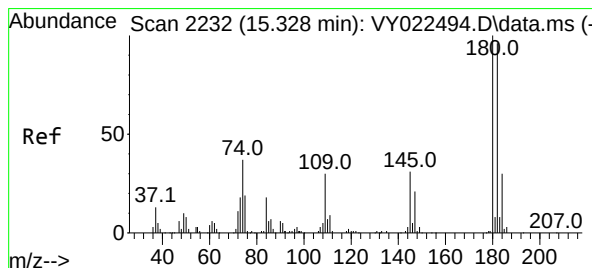
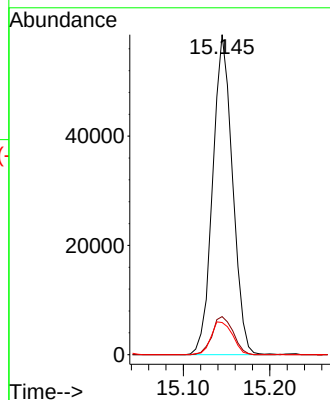
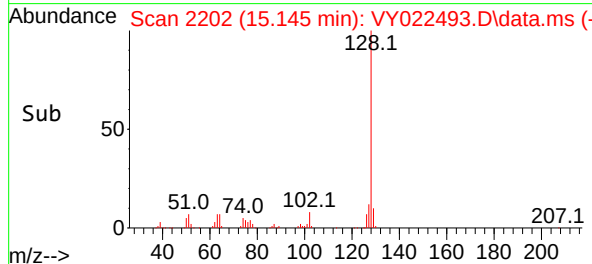
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:128 Resp: 9320
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 11.1 8.9 13.3

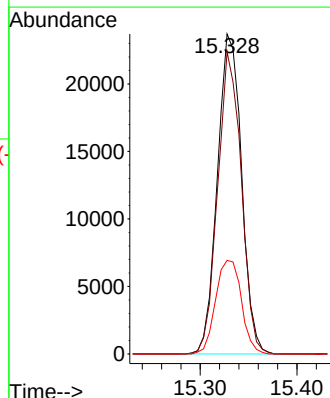
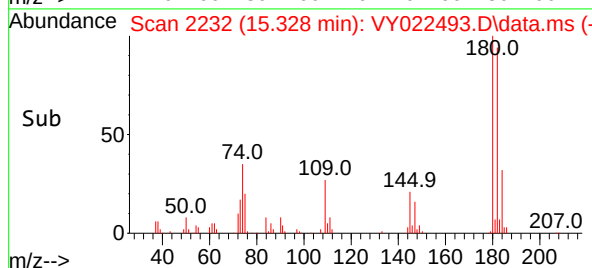
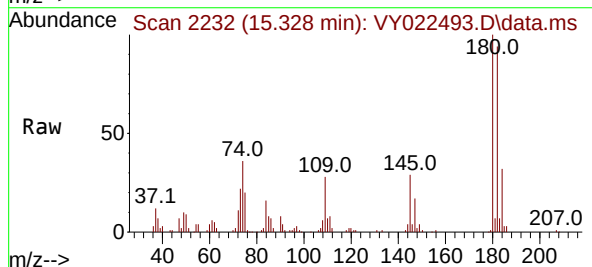
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.892 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:180 Resp: 41131
Ion Ratio Lower Upper
180 100
182 91.9 47.1 141.3
145 31.1 15.2 45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022494.D
 Acq On : 02 Jun 2025 12:54
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	209963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124098	54.320	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.640%	
35) Dibromofluoromethane	7.640	113	112624	54.514	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.020%	
50) Toluene-d8	10.109	98	448690	53.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.460%	
62) 4-Bromofluorobenzene	12.408	95	130393	51.503	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86654	47.230	ug/l	100
3) Chloromethane	2.068	50	258324	47.727	ug/l	100
4) Vinyl Chloride	2.202	62	314332	49.618	ug/l	100
5) Bromomethane	2.598	94	260442	43.463	ug/l	100
6) Chloroethane	2.739	64	202595	46.711	ug/l	100
7) Trichlorofluoromethane	3.056	101	257006	47.749	ug/l	100
8) Diethyl Ether	3.464	74	61045	51.349	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	112910	50.009	ug/l	100
10) Methyl Iodide	4.007	142	135237	55.855	ug/l	100
11) Tert butyl alcohol	4.885	59	41304	253.096	ug/l	100
12) 1,1-Dichloroethene	3.800	96	108756	50.463	ug/l	100
13) Acrolein	3.659	56	50388	252.946	ug/l	100
14) Allyl chloride	4.391	41	169258	50.399	ug/l	100
15) Acrylonitrile	5.068	53	132018	261.075	ug/l	100
16) Acetone	3.879	43	121507	269.036	ug/l	100
17) Carbon Disulfide	4.110	76	349342	50.769	ug/l	100
18) Methyl Acetate	4.397	43	69815	51.384	ug/l	100
19) Methyl tert-butyl Ether	5.129	73	308578	51.316	ug/l	100
20) Methylene Chloride	4.623	84	120562	47.810	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	119917	49.807	ug/l	100
22) Diisopropyl ether	6.025	45	381760	51.120	ug/l	100
23) Vinyl Acetate	5.970	43	1137415	256.734	ug/l	100
24) 1,1-Dichloroethane	5.921	63	222533	50.410	ug/l	100
25) 2-Butanone	6.903	43	176185	264.461	ug/l	100
26) 2,2-Dichloropropane	6.890	77	198763	50.650	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	143210	51.463	ug/l	100
28) Bromochloromethane	7.250	49	95397	50.015	ug/l	100
29) Tetrahydrofuran	7.268	42	109698	255.247	ug/l	100
30) Chloroform	7.427	83	222226	50.944	ug/l	100
31) Cyclohexane	7.707	56	213031	47.951	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	199103	51.074	ug/l	100
36) 1,1-Dichloropropene	7.841	75	170708	51.116	ug/l	100
37) Ethyl Acetate	6.994	43	80426	54.721	ug/l	100
38) Carbon Tetrachloride	7.823	117	178292	51.787	ug/l	100
39) Methylcyclohexane	9.116	83	230536	51.100	ug/l	100
40) Benzene	8.085	78	505749	51.376	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022494.D
 Acq On : 02 Jun 2025 12:54
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/03/2025
 Supervised By : Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	43865	46.342	ug/l	100
42) 1,2-Dichloroethane	8.165	62	136876	51.114	ug/l	100
43) Isopropyl Acetate	8.201	43	167771	52.237	ug/l	100
44) Trichloroethene	8.866	130	124670	51.843	ug/l	100
45) 1,2-Dichloropropane	9.146	63	120660	51.415	ug/l	100
46) Dibromomethane	9.231	93	67690	51.485	ug/l	100
47) Bromodichloromethane	9.427	83	172341	51.664	ug/l	100
48) Methyl methacrylate	9.225	41	77885	52.963	ug/l	100
49) 1,4-Dioxane	9.244	88	15334	977.637	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	425868	267.154	ug/l	100
52) Toluene	10.176	92	316972	51.213	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	161859	52.450	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	188559	52.108	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	84788	51.209	ug/l	100
56) Ethyl methacrylate	10.445	69	127271	52.930	ug/l	100
57) 1,3-Dichloropropane	10.719	76	152809	51.821	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	279669	260.896	ug/l	100
59) 2-Hexanone	10.762	43	283601	266.885	ug/l	100
60) Dibromochloromethane	10.914	129	110314	52.582	ug/l	100
61) 1,2-Dibromoethane	11.018	107	78151	51.150	ug/l	100
64) Tetrachloroethene	10.652	164	130171	51.367	ug/l	100
65) Chlorobenzene	11.444	112	332645	51.447	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112934	51.526	ug/l	100
67) Ethyl Benzene	11.518	91	621031	51.577	ug/l	100
68) m/p-Xylenes	11.633	106	468441	102.795	ug/l	100
69) o-Xylene	11.957	106	218760	51.293	ug/l	100
70) Styrene	11.969	104	367553	52.052	ug/l	100
71) Bromoform	12.133	173	59888	51.996	ug/l #	100
73) Isopropylbenzene	12.255	105	577133	51.329	ug/l	100
74) N-amyl acetate	12.072	43	149637	52.627	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	95218	52.145	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	87965m	47.747	ug/l	
77) Bromobenzene	12.536	156	121092	50.812	ug/l	100
78) n-propylbenzene	12.597	91	707143	51.667	ug/l	100
79) 2-Chlorotoluene	12.682	91	373402	51.670	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	455006	51.754	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	32630	50.780	ug/l	100
82) 4-Chlorotoluene	12.780	91	387296	51.710	ug/l	100
83) tert-Butylbenzene	12.999	119	404519	50.438	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	449372	51.088	ug/l	100
85) sec-Butylbenzene	13.176	105	623185	51.250	ug/l	100
86) p-Isopropyltoluene	13.292	119	510026	51.018	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	241816	50.717	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	237429	51.108	ug/l	100
89) n-Butylbenzene	13.621	91	493153	51.811	ug/l	100
90) Hexachloroethane	13.883	117	99901	51.068	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	211065	51.528	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14697	53.244	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	114007	50.919	ug/l	100
94) Hexachlorobutadiene	15.023	225	62434	51.054	ug/l	100
95) Naphthalene	15.145	128	226073	52.686	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	97609	51.295	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

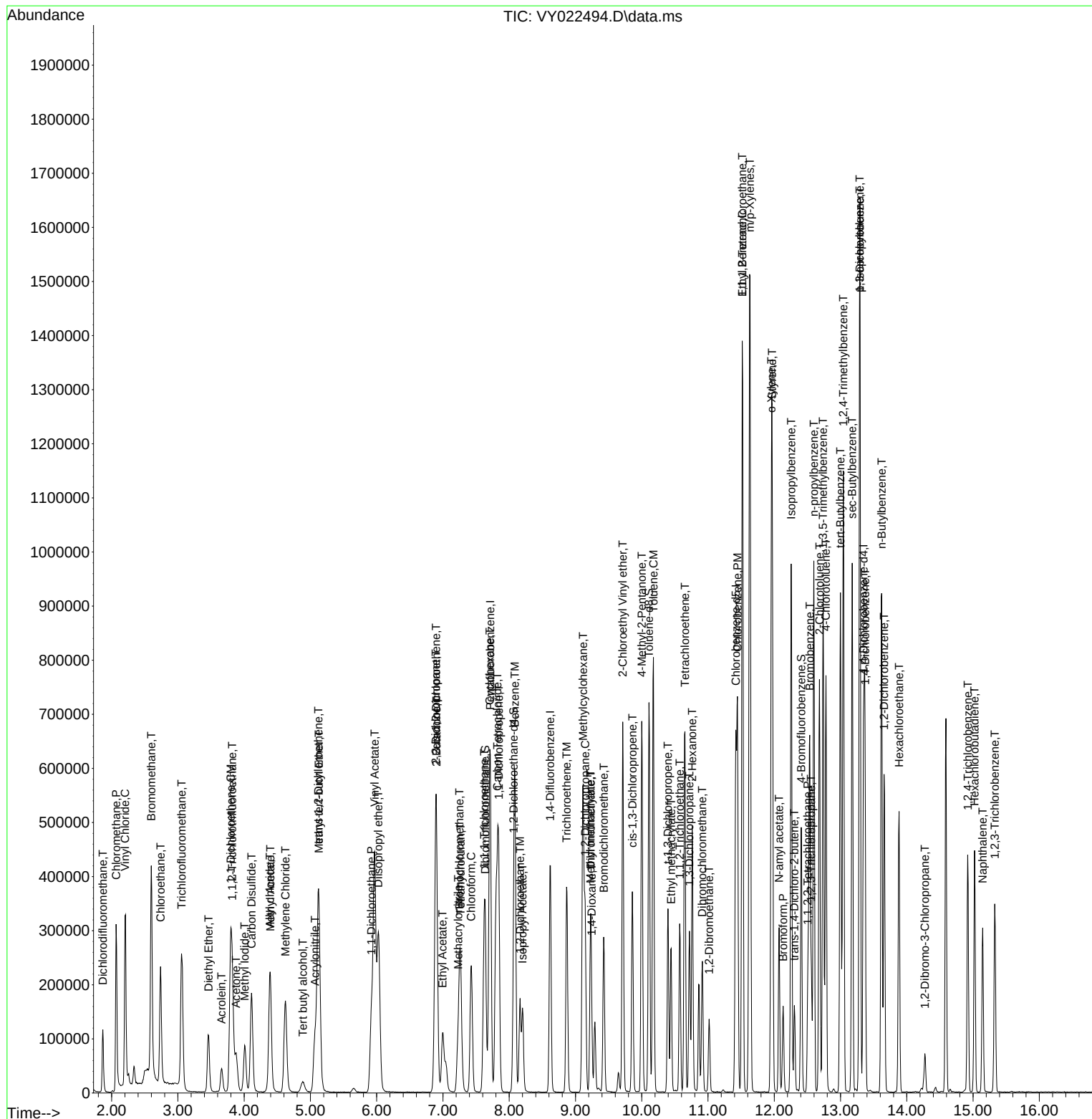
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Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

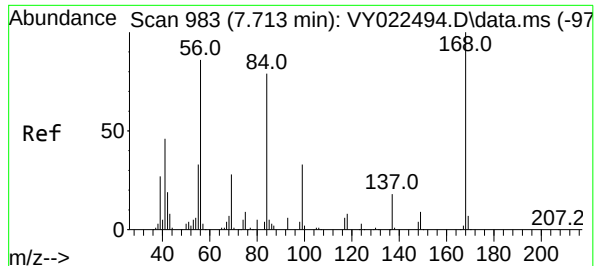
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

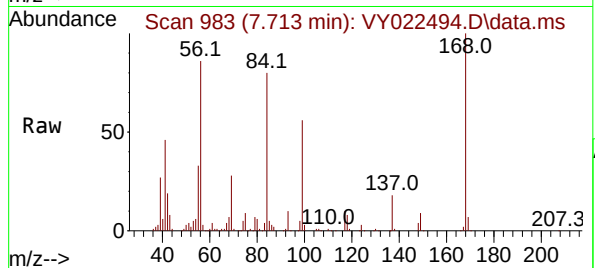
Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

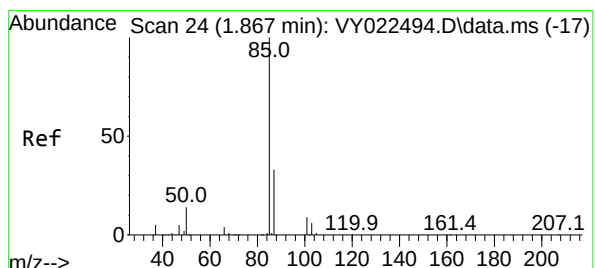
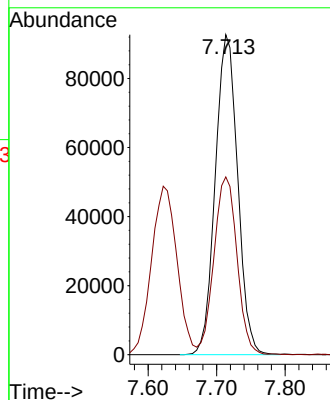
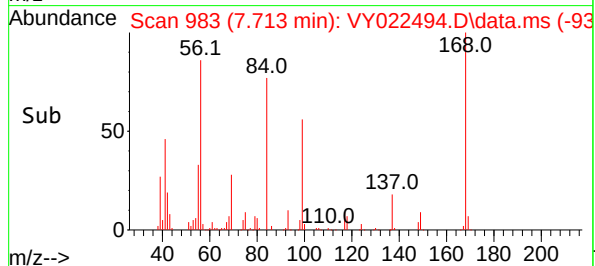
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 20996
Ion Ratio Lower Upper
168 100
99 55.4 44.3 66.5

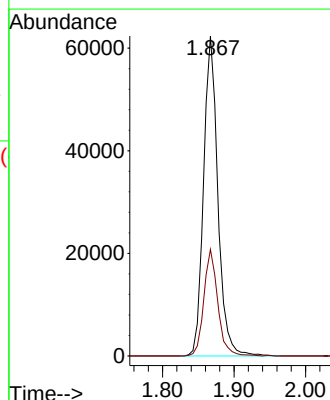
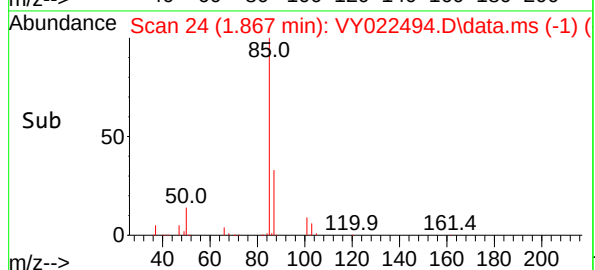
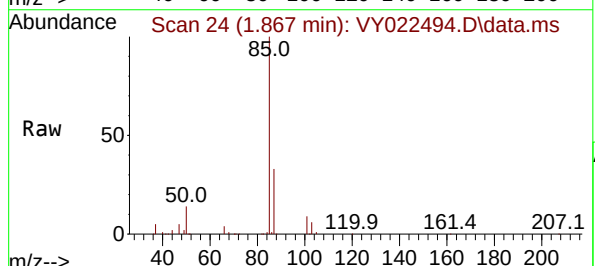
Manual Integrations
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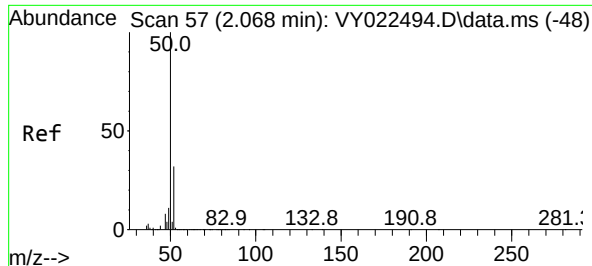
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#2
Dichlorodifluoromethane
Concen: 47.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

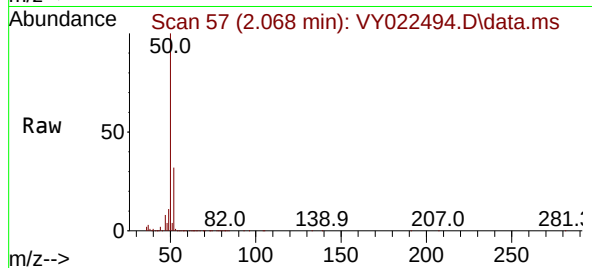
Tgt Ion: 85 Resp: 86654
Ion Ratio Lower Upper
85 100
87 33.3 16.7 50.0





#3
Chloromethane
Concen: 47.727 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

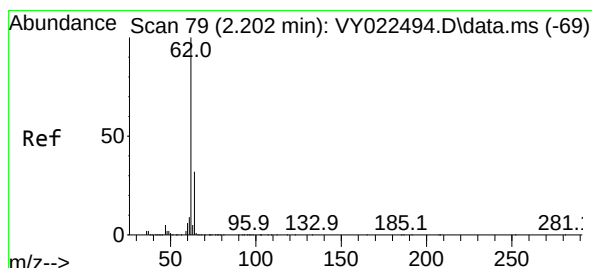
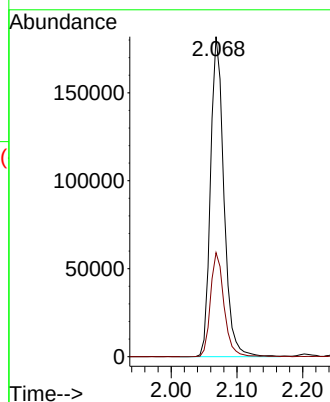
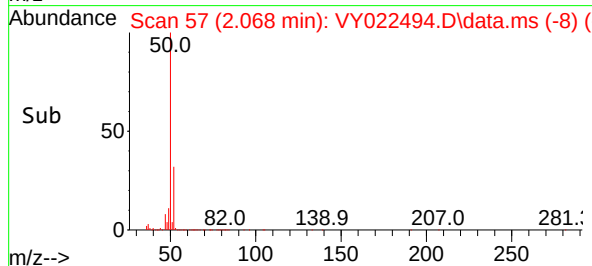
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 50 Resp: 258324
Ion Ratio Lower Upper
50 100
52 32.5 26.0 39.0

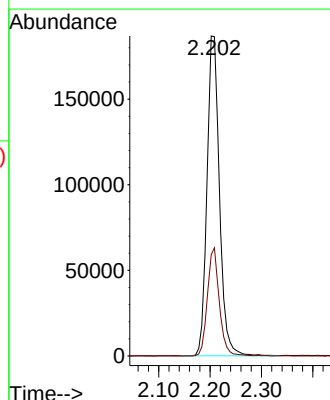
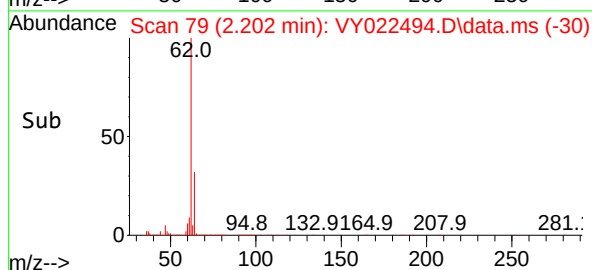
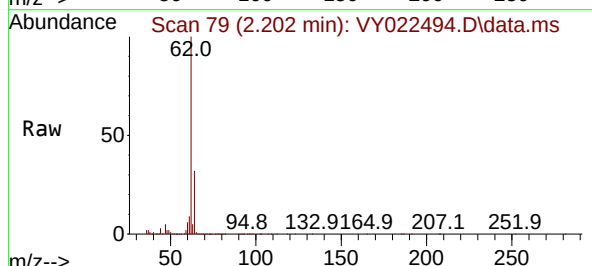
Manual Integrations
APPROVED

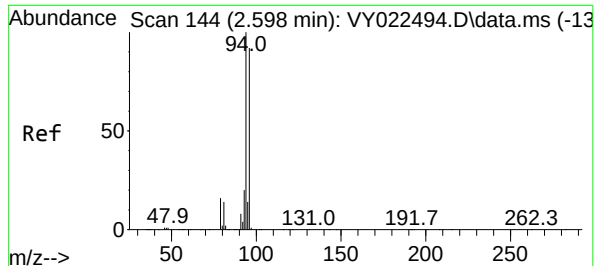
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#4
Vinyl Chloride
Concen: 49.618 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

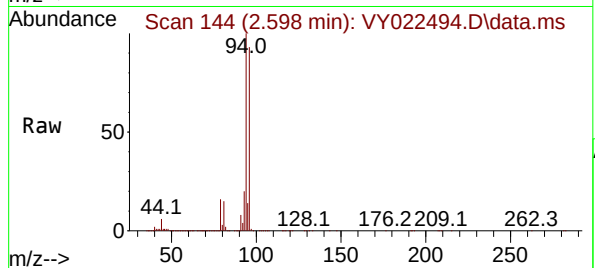
Tgt Ion: 62 Resp: 314332
Ion Ratio Lower Upper
62 100
64 31.6 25.3 37.9





#5
Bromomethane
Concen: 43.463 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

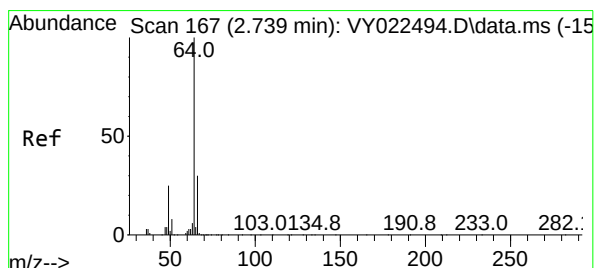
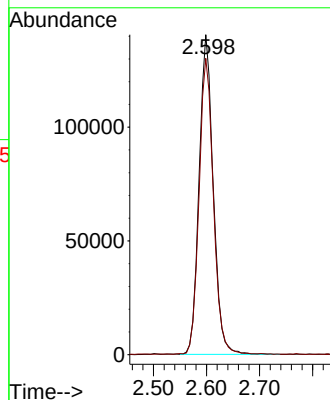
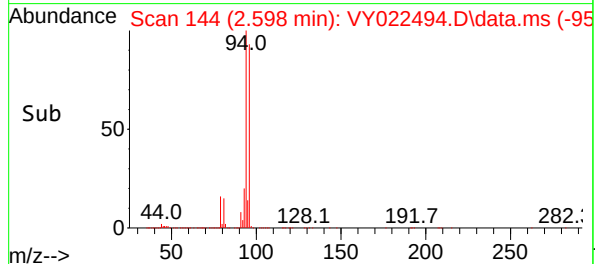
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 94 Resp: 260442
Ion Ratio Lower Upper
94 100
96 92.5 74.0 111.0

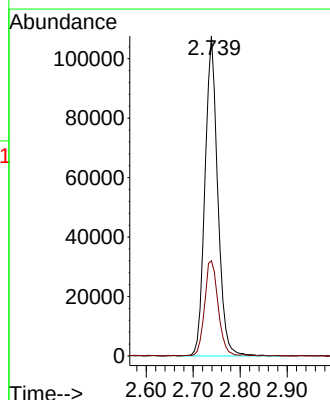
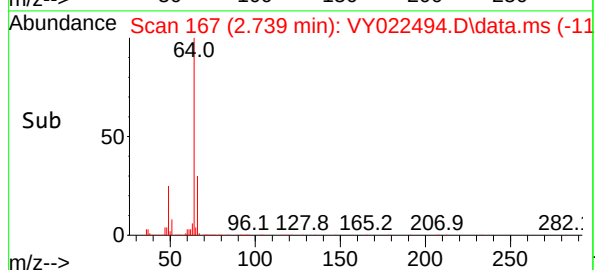
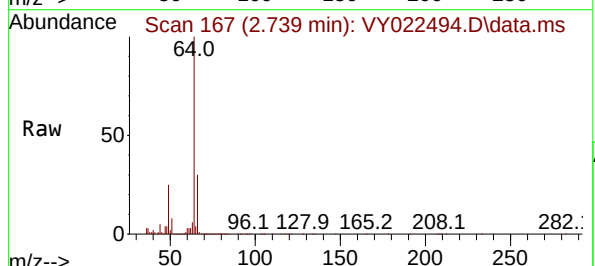
Manual Integrations
APPROVED

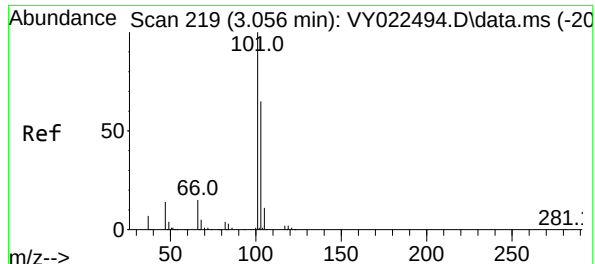
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#6
Chloroethane
Concen: 46.711 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

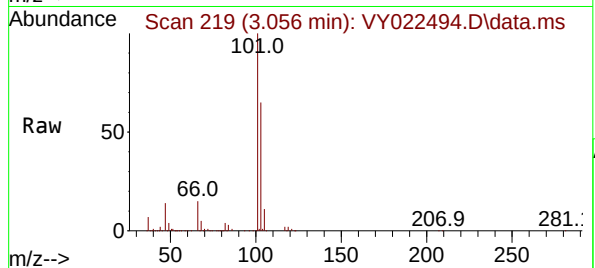
Tgt Ion: 64 Resp: 202595
Ion Ratio Lower Upper
64 100
66 29.7 23.8 35.6





#7
Trichlorofluoromethane
Concen: 47.749 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

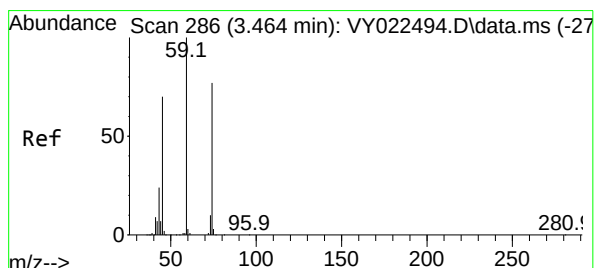
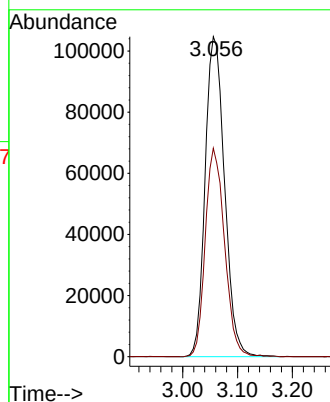
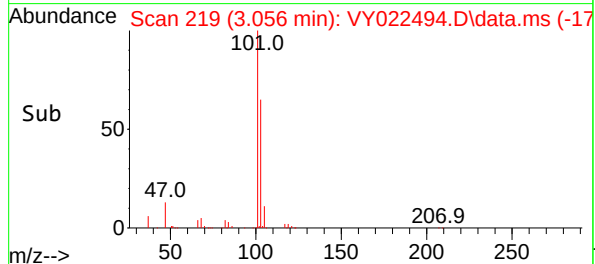
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



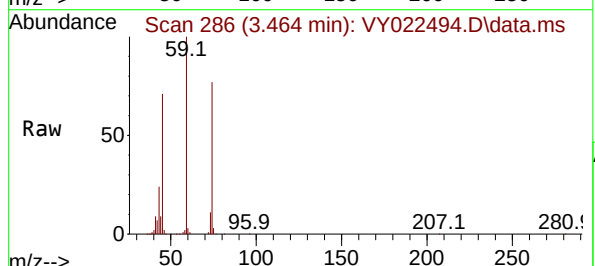
Tgt Ion:101 Resp: 257000
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.2

Manual Integrations
APPROVED

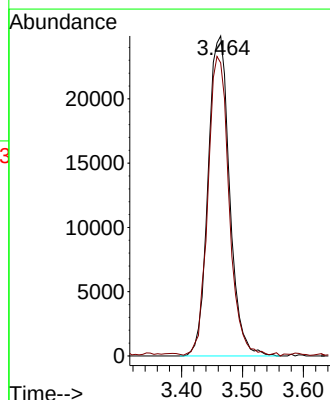
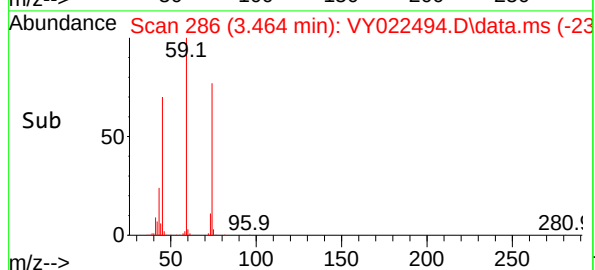
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

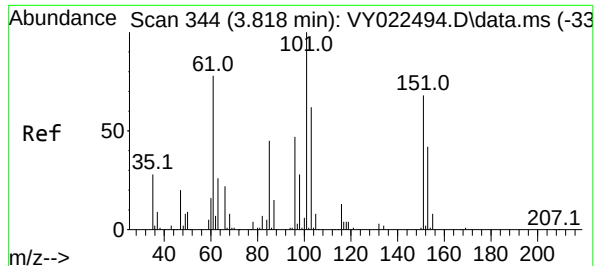


#8
Diethyl Ether
Concen: 51.349 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



Tgt Ion: 74 Resp: 61045
Ion Ratio Lower Upper
74 100
45 91.7 45.9 137.6





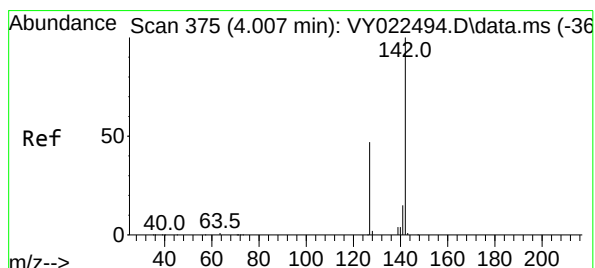
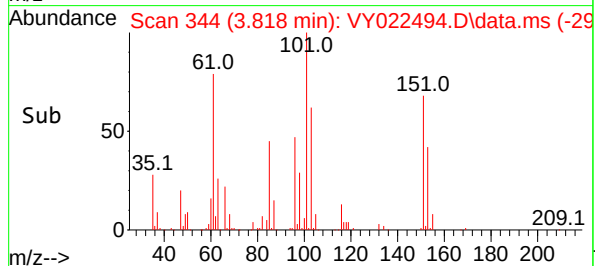
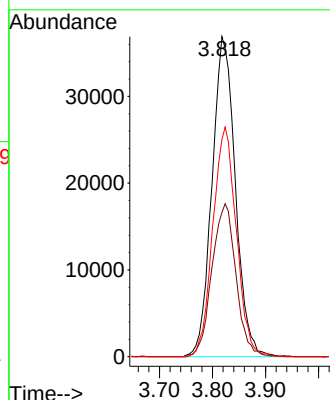
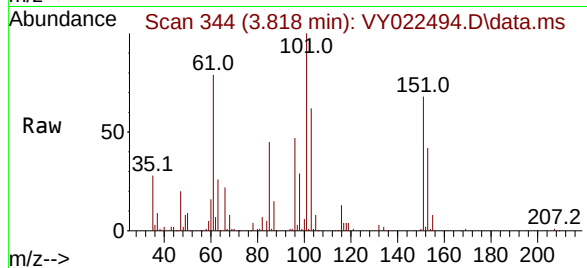
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.009 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 112910
Ion Ratio Lower Upper
101 100
85 49.1 39.3 58.9
151 72.3 57.8 86.8

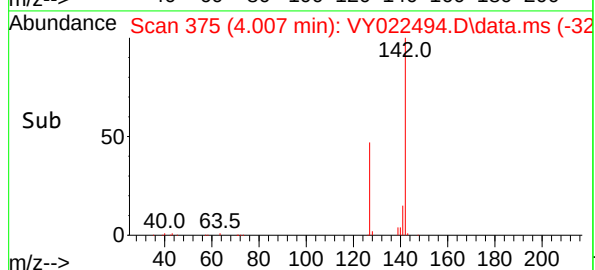
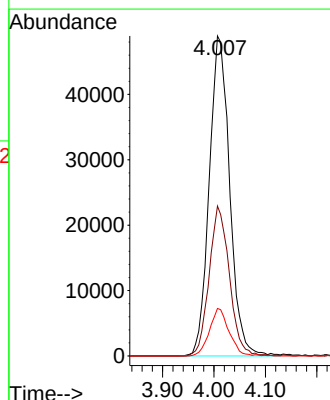
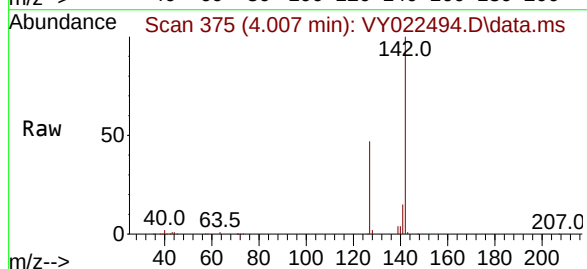
Manual Integrations
APPROVED

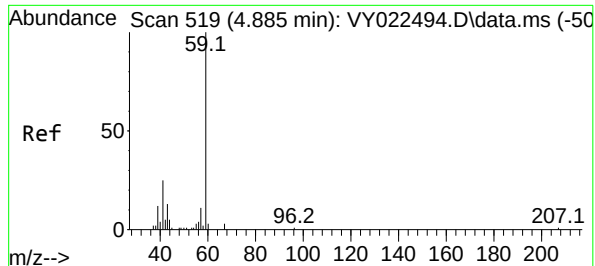
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#10
Methyl Iodide
Concen: 55.855 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:142 Resp: 135237
Ion Ratio Lower Upper
142 100
127 46.4 37.1 55.7
141 14.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 253.096 ug/l

RT: 4.885 min Scan# 519

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 41304

Ion Ratio Lower Upper

59 100

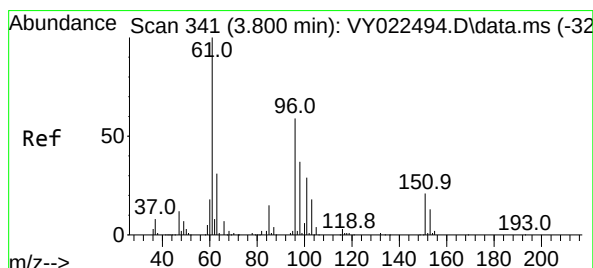
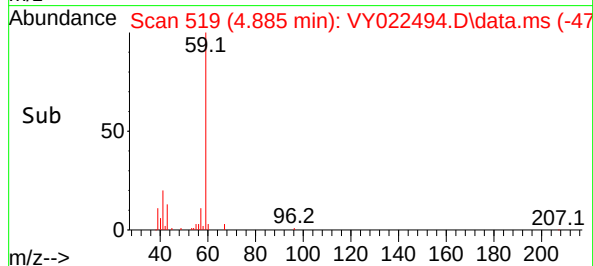
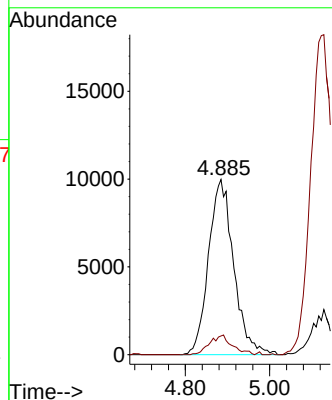
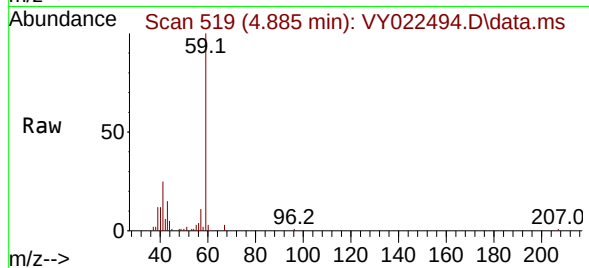
57 10.0 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#12

1,1-Dichloroethene

Concen: 50.463 ug/l

RT: 3.800 min Scan# 341

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

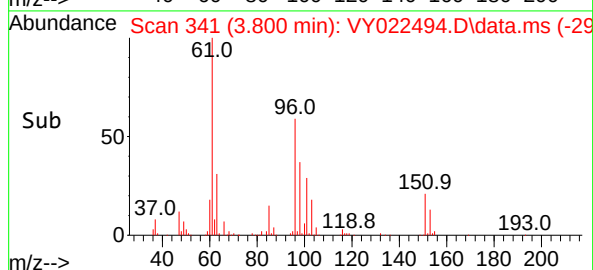
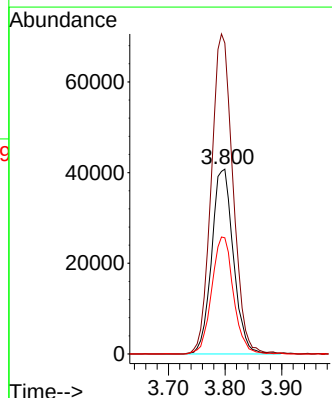
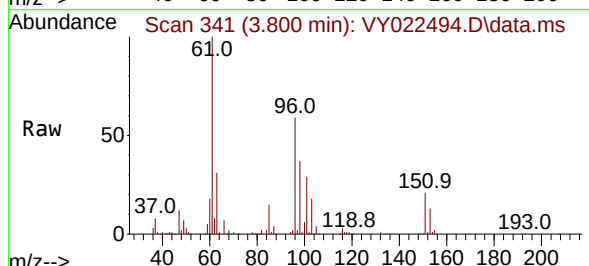
Tgt Ion: 96 Resp: 108756

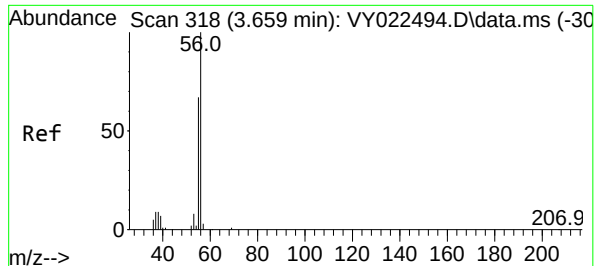
Ion Ratio Lower Upper

96 100

61 168.2 134.6 201.8

98 62.8 50.2 75.4





#13

Acrolein

Concen: 252.946 ug/l

RT: 3.659 min Scan# 318

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 50388

Ion Ratio Lower Upper

56 100

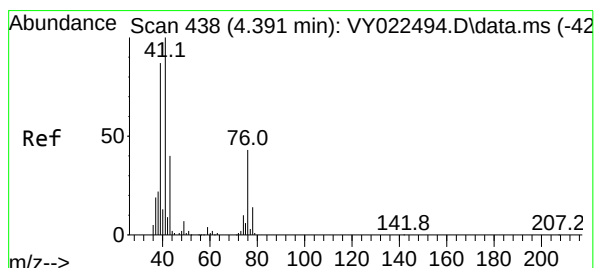
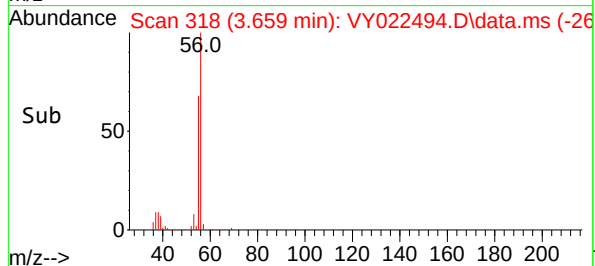
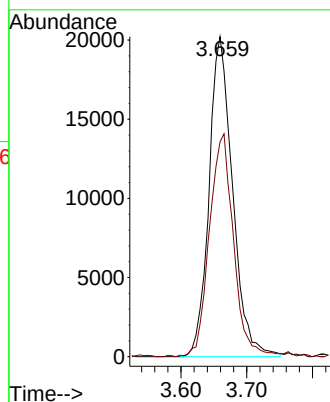
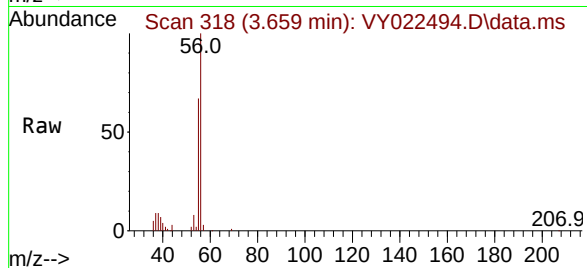
55 71.3 57.0 85.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#14

Allyl chloride

Concen: 50.399 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

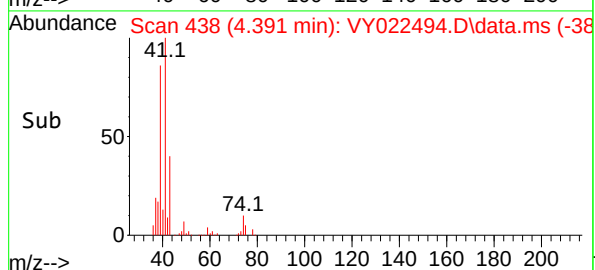
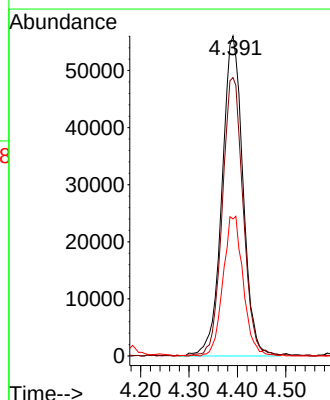
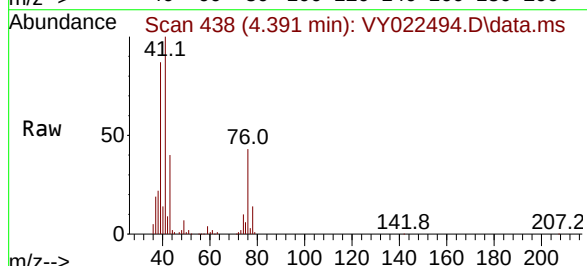
Tgt Ion: 41 Resp: 169258

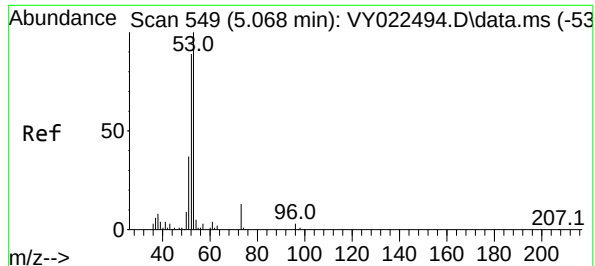
Ion Ratio Lower Upper

41 100

39 86.4 69.1 103.7

76 41.9 33.5 50.3





#15

Acrylonitrile

Concen: 261.075 ug/l

RT: 5.068 min Scan# 549

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 132018

Ion Ratio Lower Upper

53 100

52 82.1 65.7 98.5

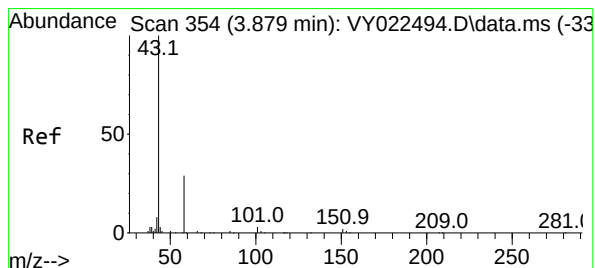
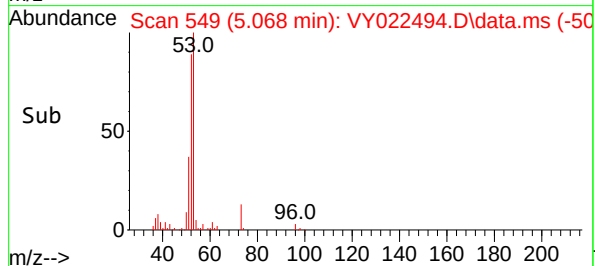
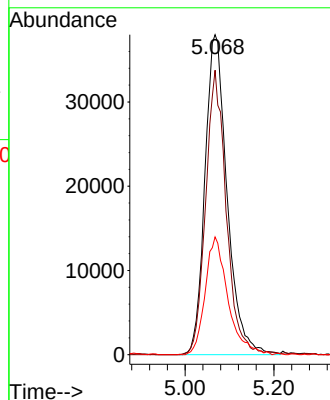
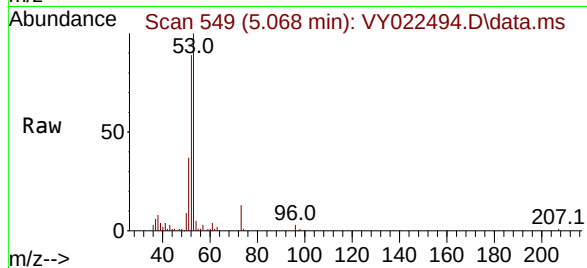
51 37.6 30.1 45.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#16

Acetone

Concen: 269.036 ug/l

RT: 3.879 min Scan# 354

Delta R.T. 0.000 min

Lab File: VY022494.D

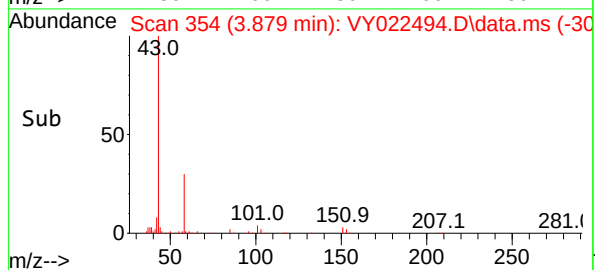
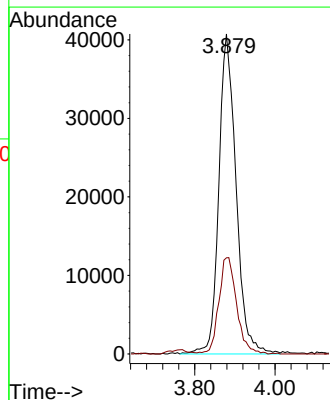
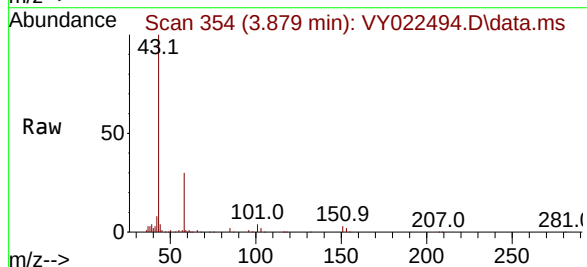
Acq: 02 Jun 2025 12:54

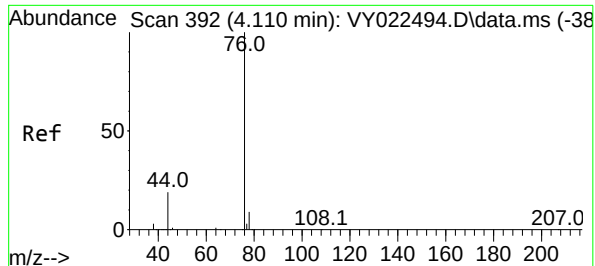
Tgt Ion: 43 Resp: 121507

Ion Ratio Lower Upper

43 100

58 30.0 24.0 36.0





#17

Carbon Disulfide

Concen: 50.769 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 34934

Ion Ratio Lower Upper

76 100

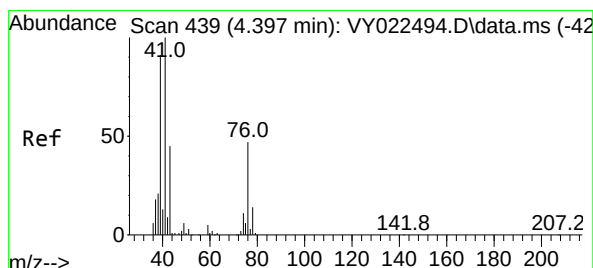
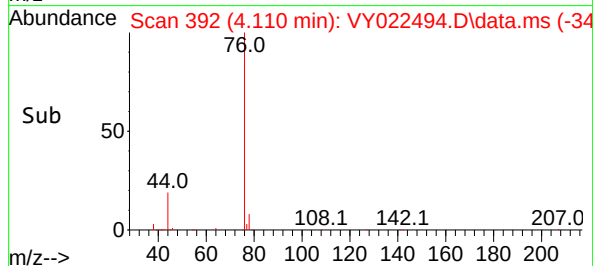
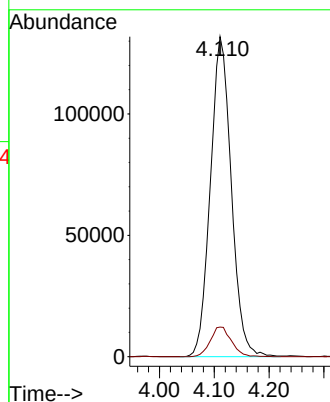
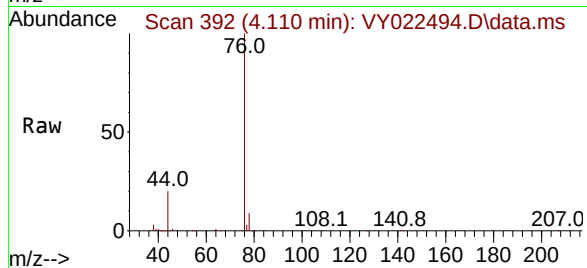
78 9.3 7.4 11.2

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Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#18

Methyl Acetate

Concen: 51.384 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.000 min

Lab File: VY022494.D

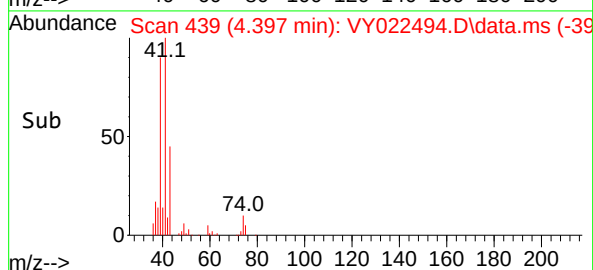
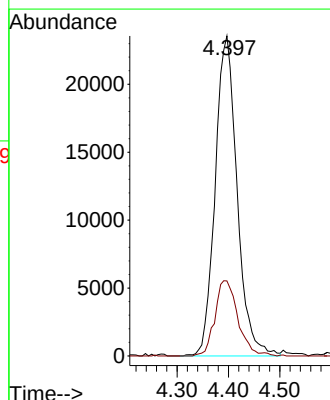
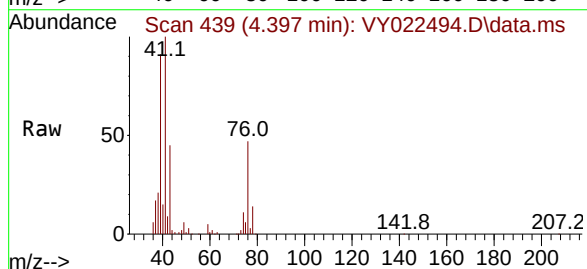
Acq: 02 Jun 2025 12:54

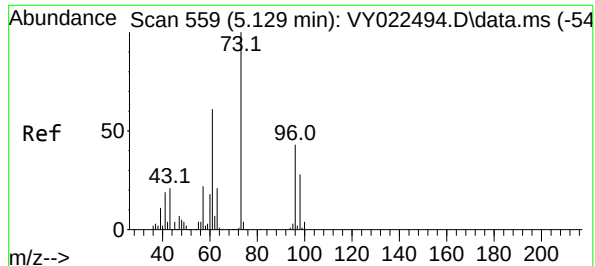
Tgt Ion: 43 Resp: 69815

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 51.316 ug/l

RT: 5.129 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 308578

Ion Ratio Lower Upper

73 100

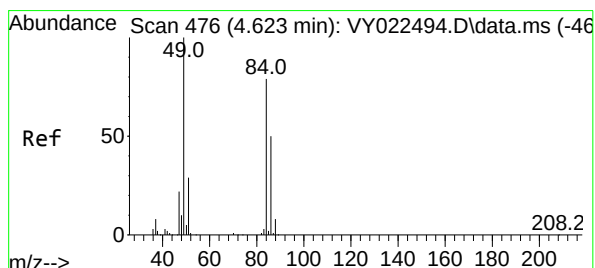
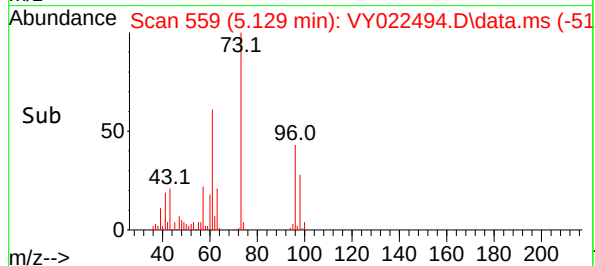
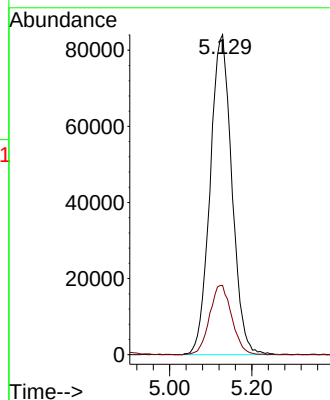
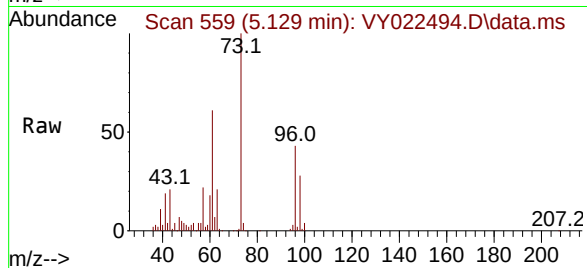
57 21.7 17.4 26.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#20

Methylene Chloride

Concen: 47.810 ug/l

RT: 4.623 min Scan# 476

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Tgt Ion: 84 Resp: 120562

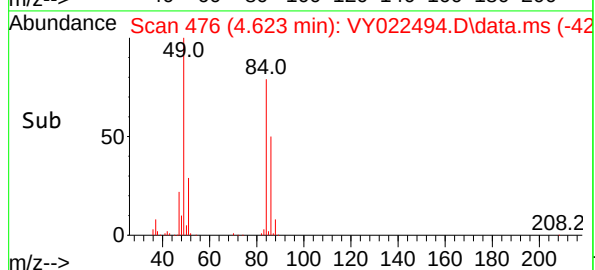
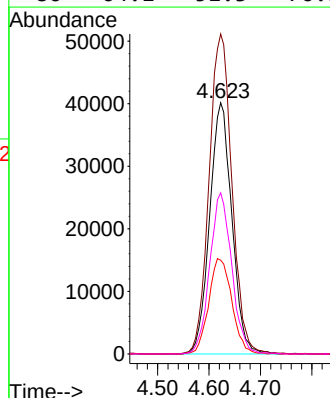
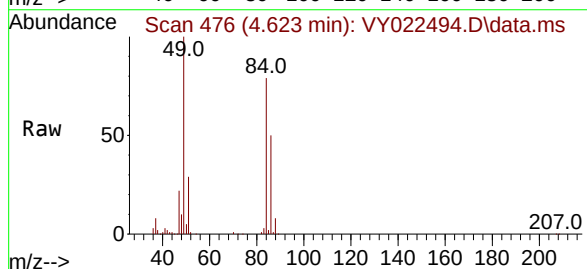
Ion Ratio Lower Upper

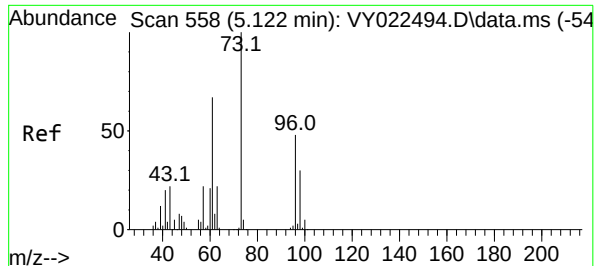
84 100

49 127.4 101.9 152.9

51 37.3 29.8 44.8

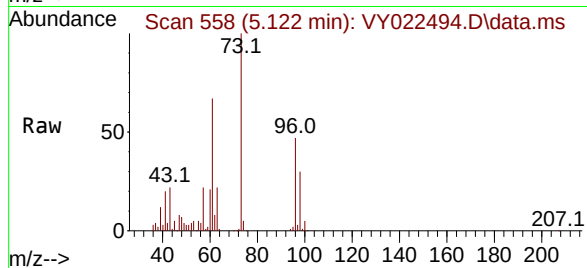
86 64.1 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 49.807 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

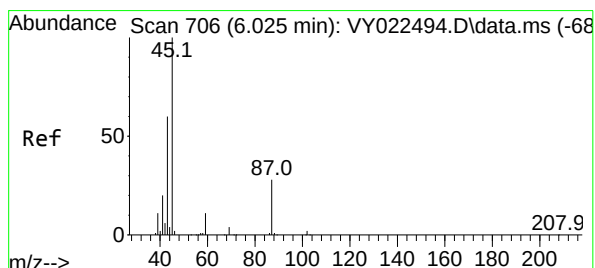
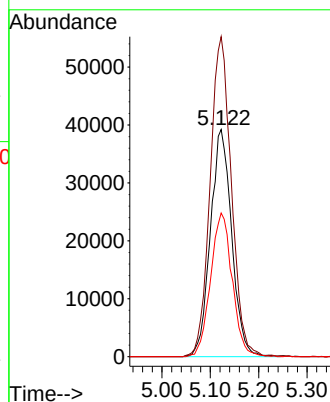
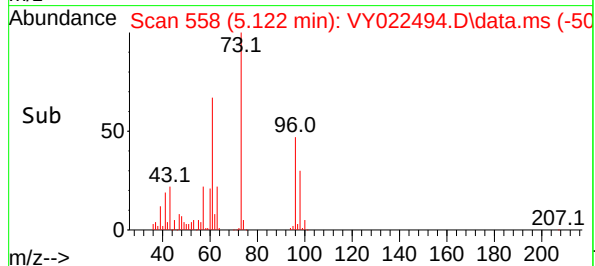
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 11991
Ion Ratio Lower Upper
96 100
61 140.8 112.6 169.0
98 63.2 50.6 75.8

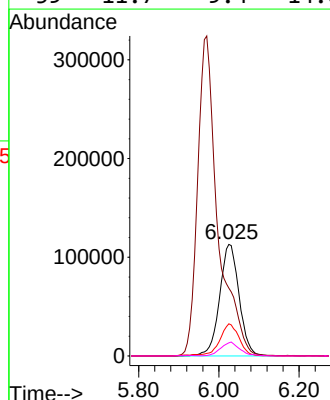
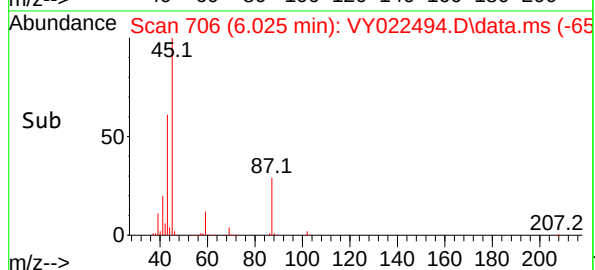
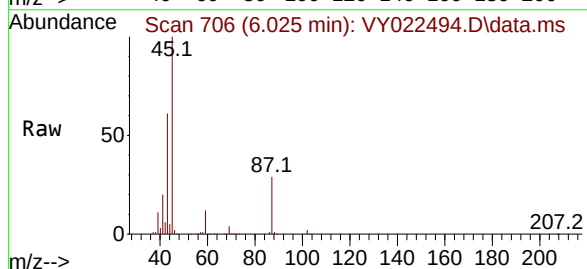
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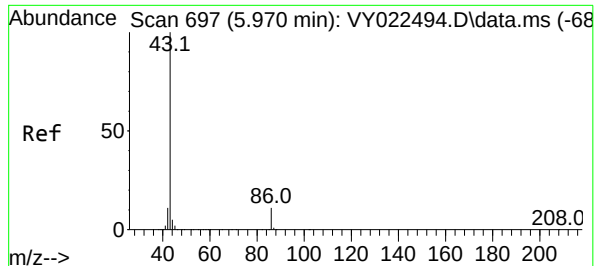
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#22
Diisopropyl ether
Concen: 51.120 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 45 Resp: 381760
Ion Ratio Lower Upper
45 100
43 60.4 48.3 72.5
87 28.8 23.0 34.6
59 11.7 9.4 14.0





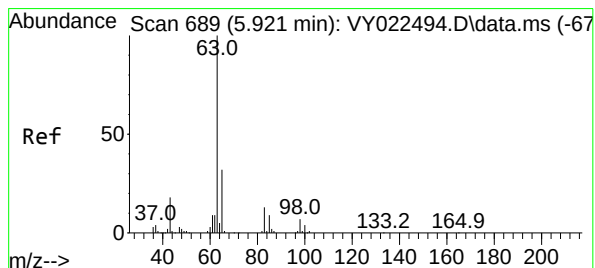
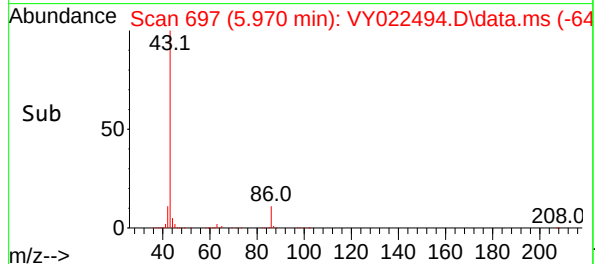
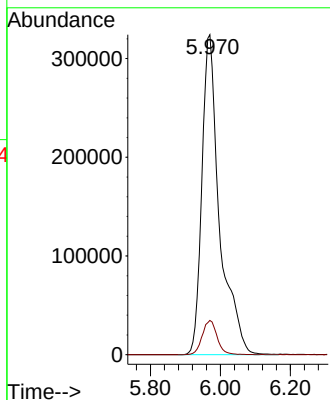
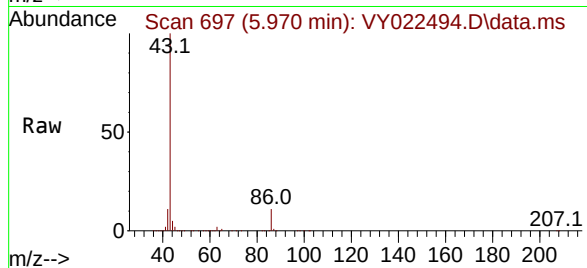
#23
Vinyl Acetate
Concen: 256.734 ug/l
RT: 5.970 min Scan# 697
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 113741
Ion Ratio Lower Upper
43 100
86 10.7 8.6 12.8

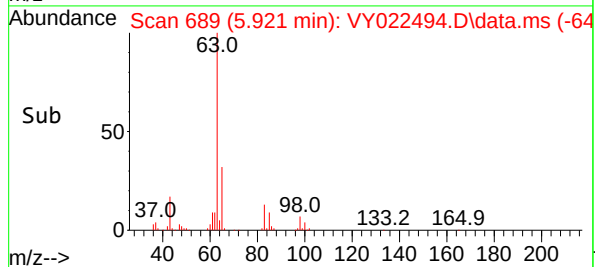
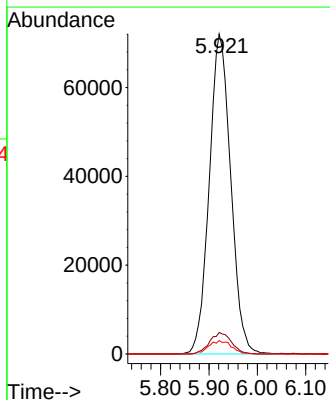
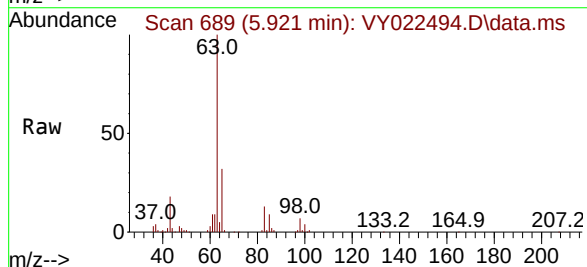
Manual Integrations
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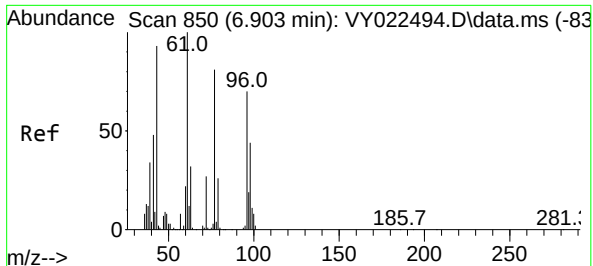
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#24
1,1-Dichloroethane
Concen: 50.410 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 222533
Ion Ratio Lower Upper
63 100
98 6.7 3.4 10.1
100 4.2 2.1 6.3





#25

2-Butanone

Concen: 264.461 ug/l

RT: 6.903 min Scan# 850

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 17618

Ion Ratio Lower Upper

43 100

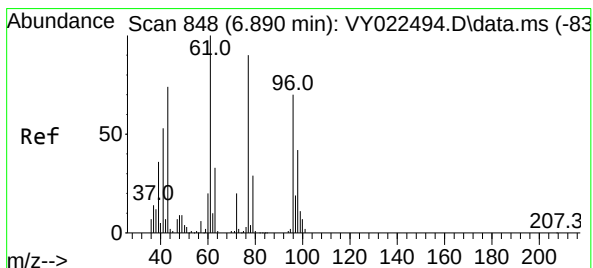
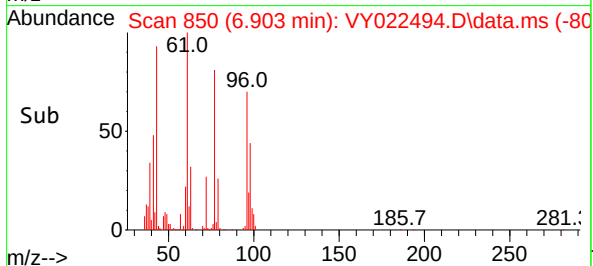
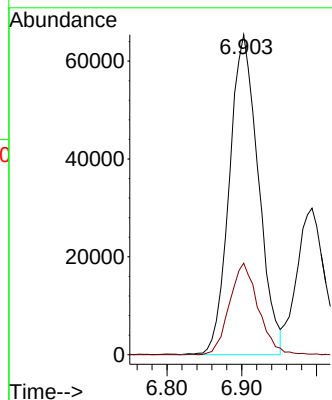
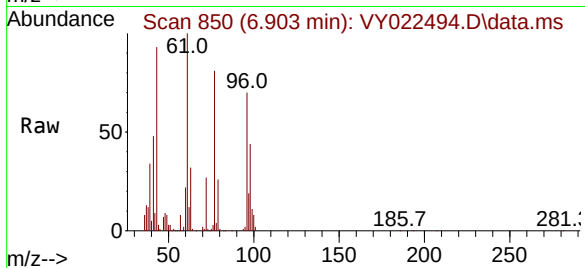
72 28.6 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#26

2,2-Dichloropropane

Concen: 50.650 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY022494.D

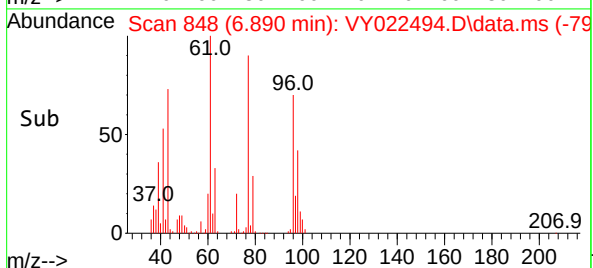
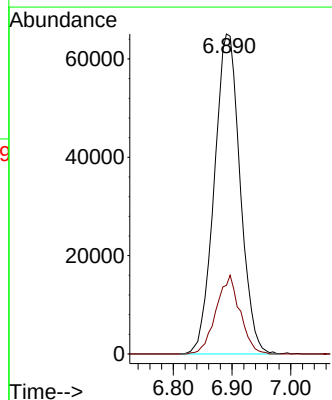
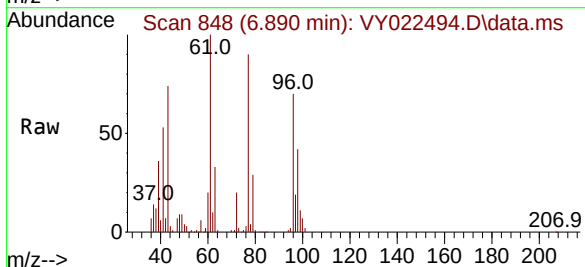
Acq: 02 Jun 2025 12:54

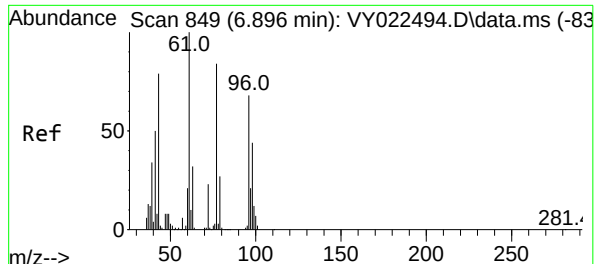
Tgt Ion: 77 Resp: 198763

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 51.463 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 143210

Ion Ratio Lower Upper

96 100

61 145.0 0.0 290.0

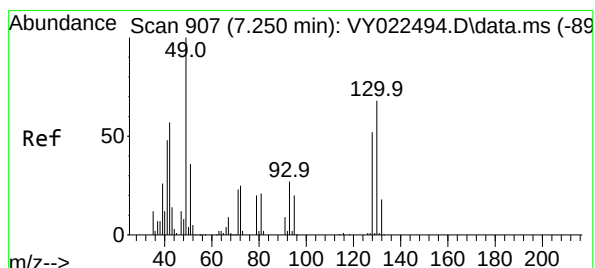
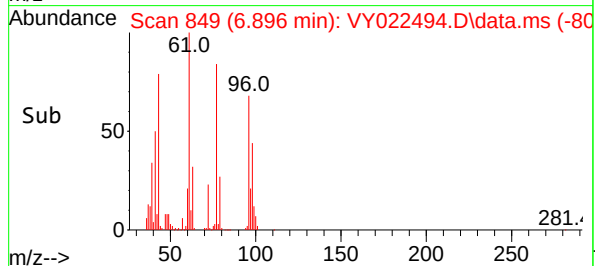
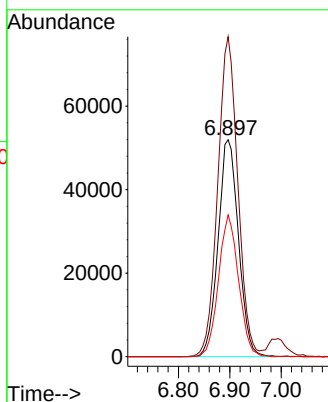
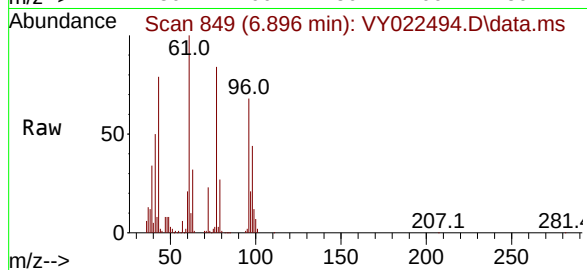
98 64.2 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#28

Bromochloromethane

Concen: 50.015 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

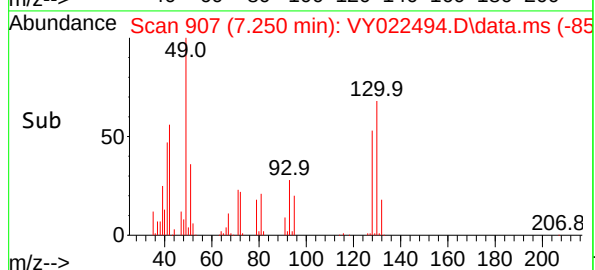
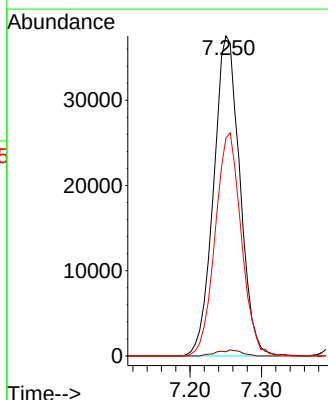
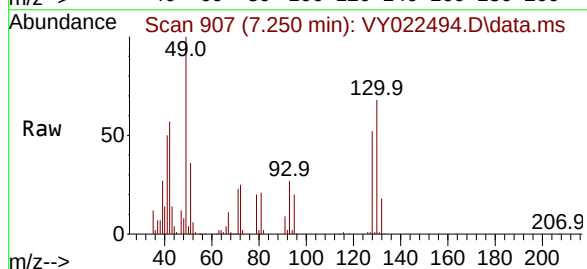
Tgt Ion: 49 Resp: 95397

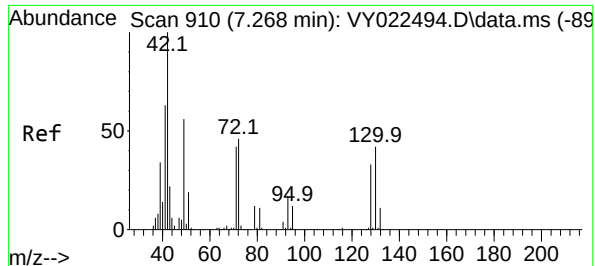
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 69.6 55.7 83.5





#29

Tetrahydrofuran

Concen: 255.247 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 109698

Ion Ratio Lower Upper

42 100

72 46.8 37.4 56.2

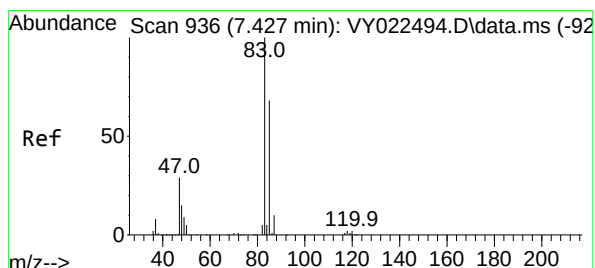
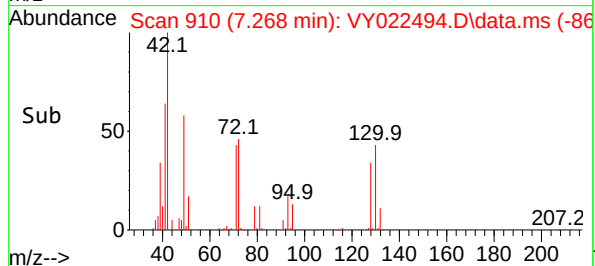
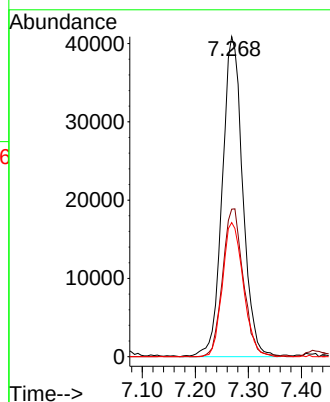
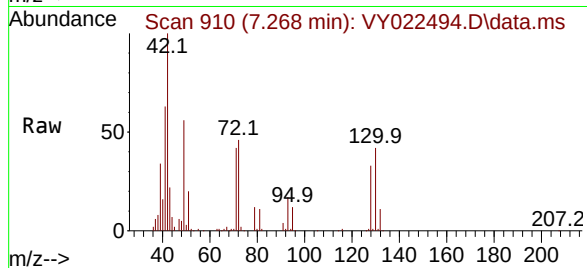
71 42.7 34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#30

Chloroform

Concen: 50.944 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.000 min

Lab File: VY022494.D

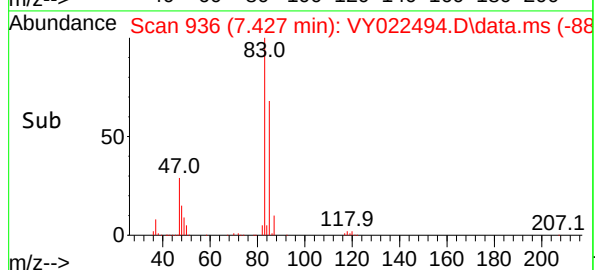
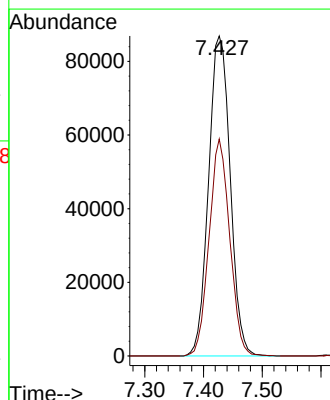
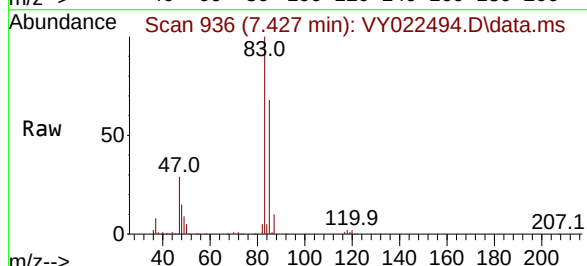
Acq: 02 Jun 2025 12:54

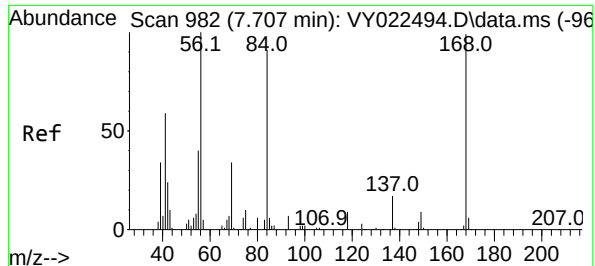
Tgt Ion: 83 Resp: 222226

Ion Ratio Lower Upper

83 100

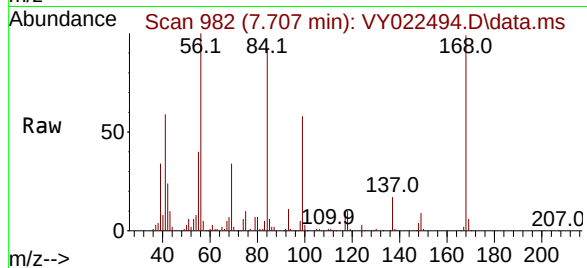
85 67.8 54.2 81.4





#31
Cyclohexane
Concen: 47.951 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

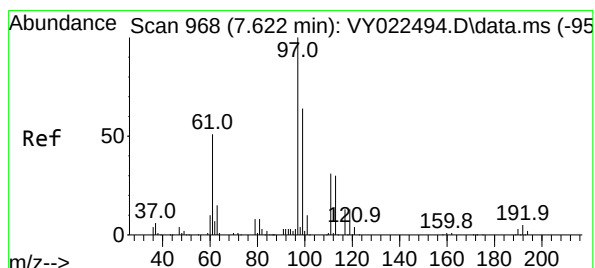
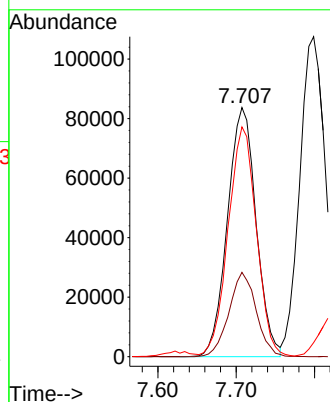
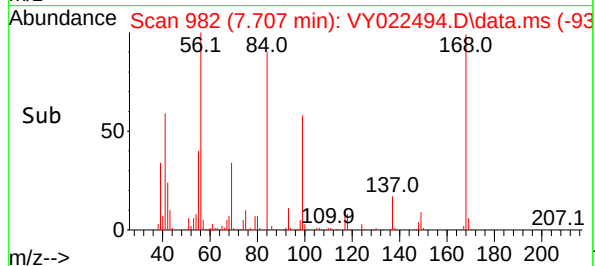
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 56 Resp: 21303
Ion Ratio Lower Upper
56 100
69 33.8 27.0 40.6
84 90.8 72.6 109.0

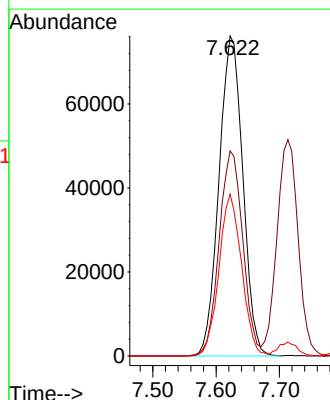
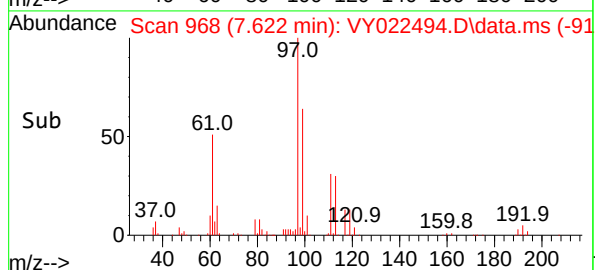
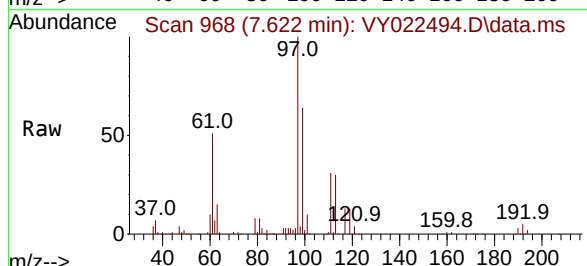
Manual Integrations
APPROVED

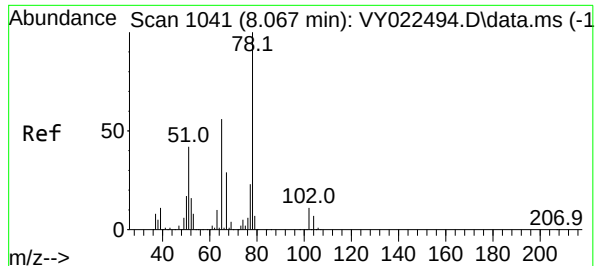
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#32
1,1,1-Trichloroethane
Concen: 51.074 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 97 Resp: 199103
Ion Ratio Lower Upper
97 100
99 63.6 50.9 76.3
61 48.1 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 54.320 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 124098

Ion Ratio Lower Upper

65 100

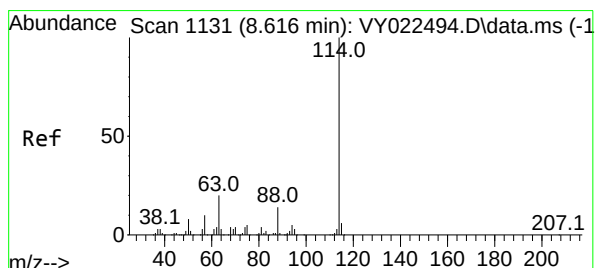
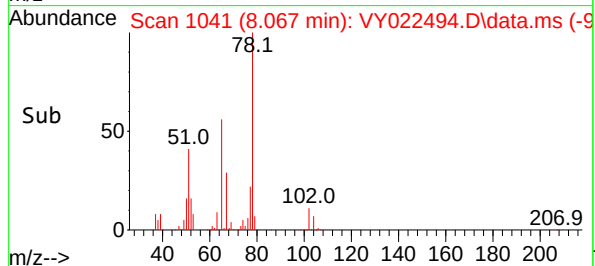
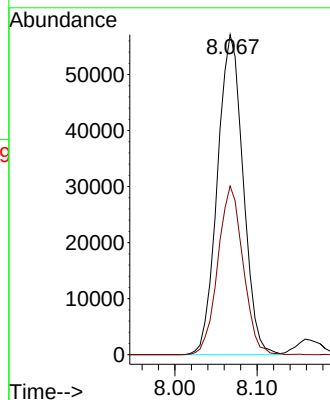
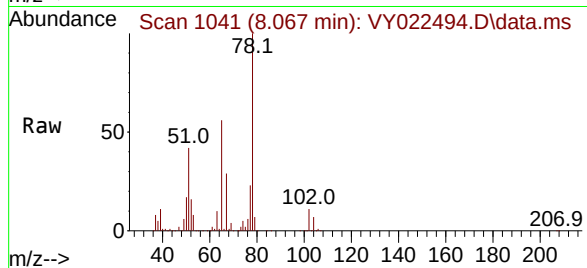
67 51.7 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

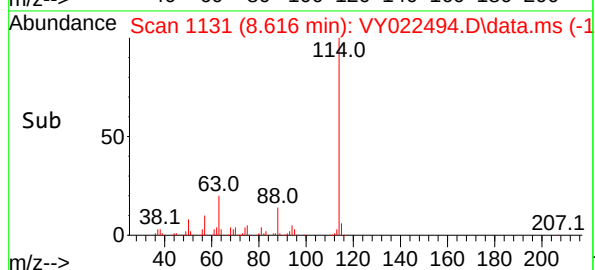
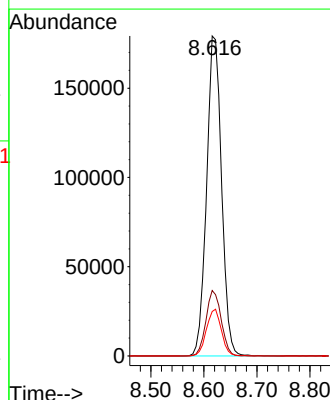
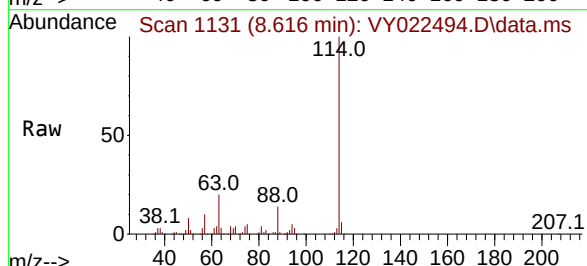
Tgt Ion:114 Resp: 350947

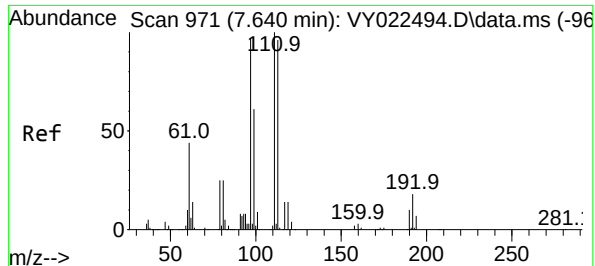
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 13.9 0.0 27.8





#35

Dibromofluoromethane

Concen: 54.514 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 112624

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

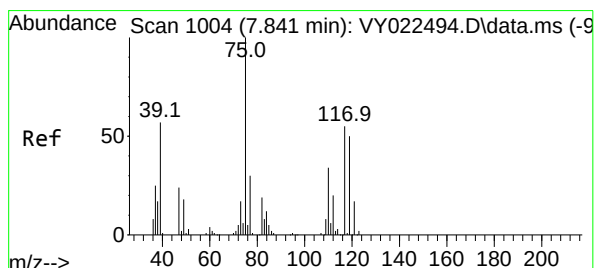
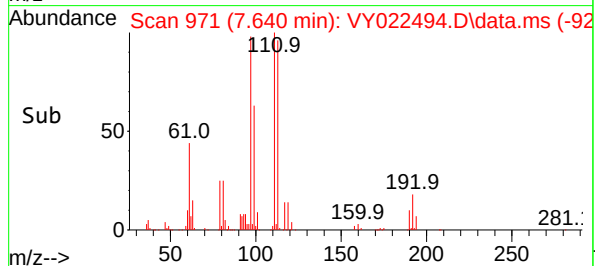
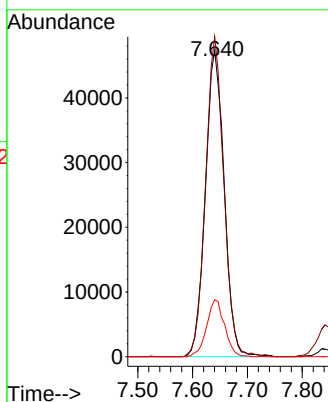
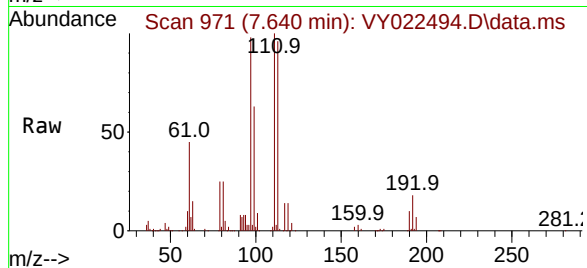
192 17.7 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#36

1,1-Dichloropropene

Concen: 51.116 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

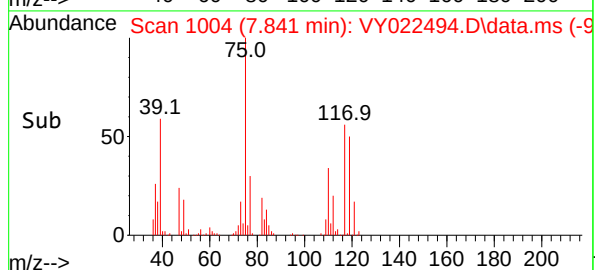
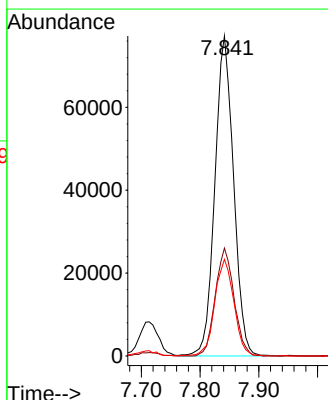
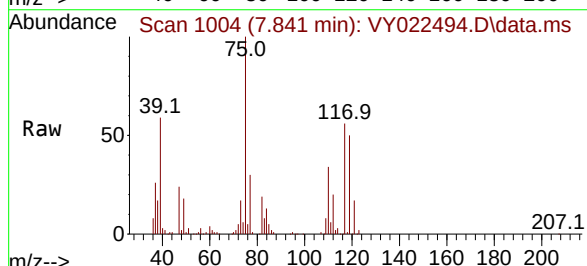
Tgt Ion: 75 Resp: 170708

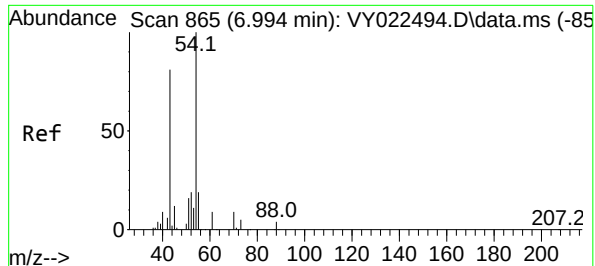
Ion Ratio Lower Upper

75 100

110 33.8 16.9 50.7

77 31.0 24.8 37.2





#37

Ethyl Acetate

Concen: 54.721 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

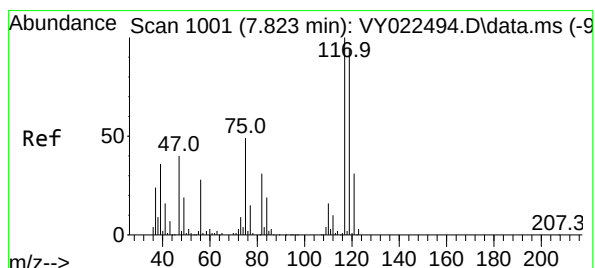
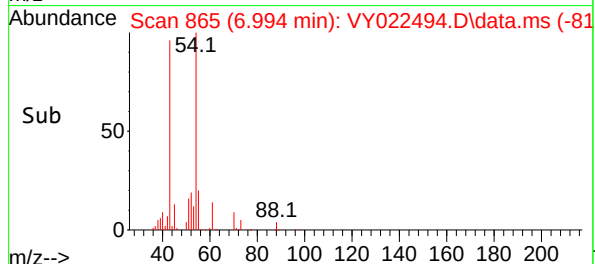
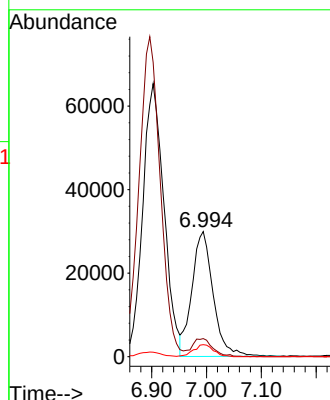
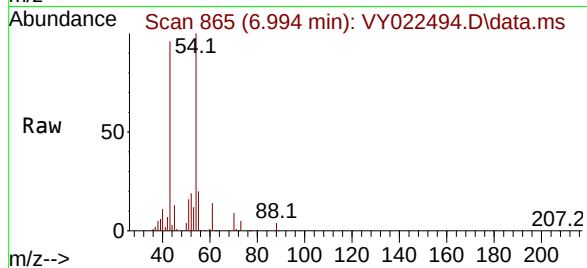
VSTDICCC050

Tgt Ion:	43	Resp:	80420
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	9.0	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#38

Carbon Tetrachloride

Concen: 51.787 ug/l

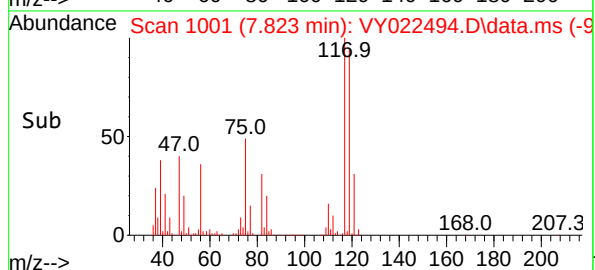
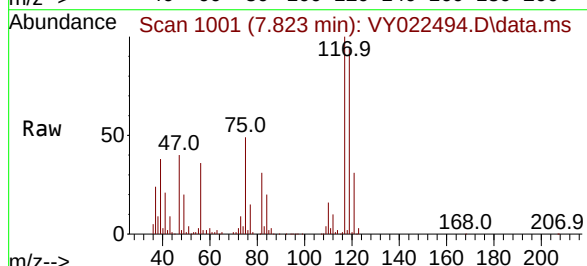
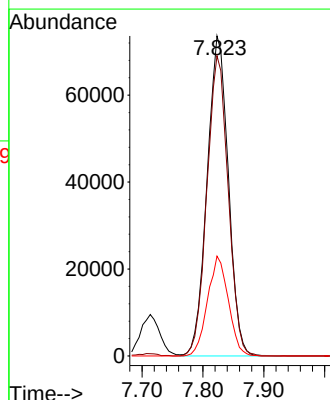
RT: 7.823 min Scan# 1001

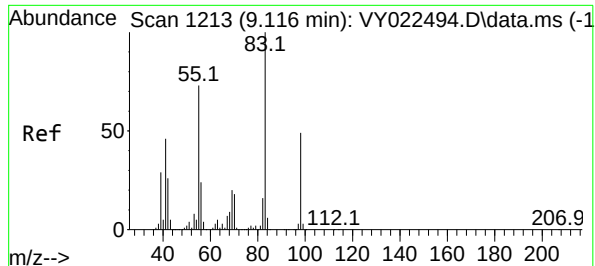
Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Tgt Ion:	117	Resp:	178292
Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.2	25.0	37.4





#39

Methylcyclohexane

Concen: 51.100 ug/l

RT: 9.116 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 230530

Ion Ratio Lower Upper

83 100

55 72.6 58.1 87.1

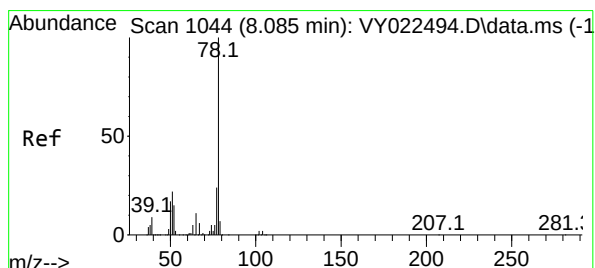
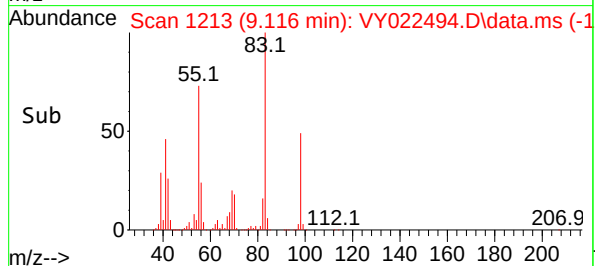
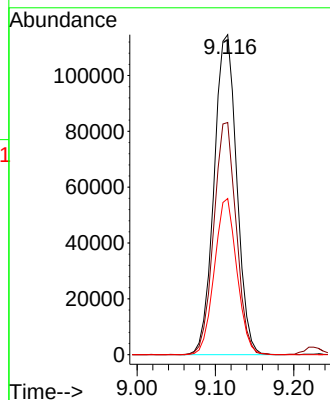
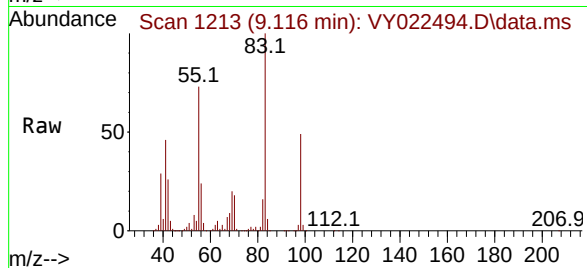
98 48.8 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#40

Benzene

Concen: 51.376 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VY022494.D

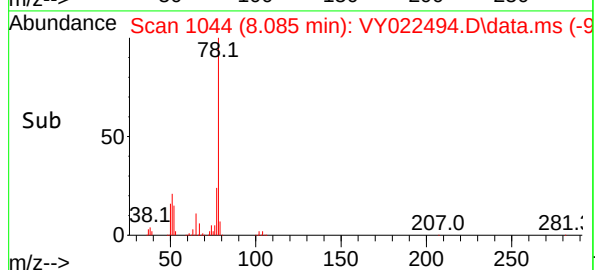
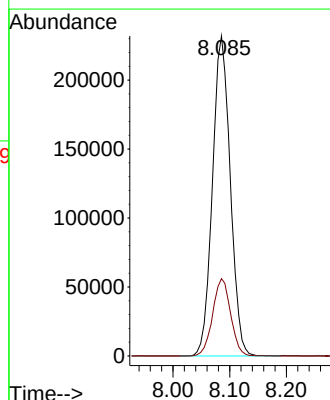
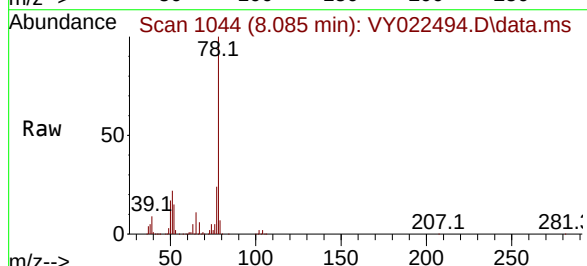
Acq: 02 Jun 2025 12:54

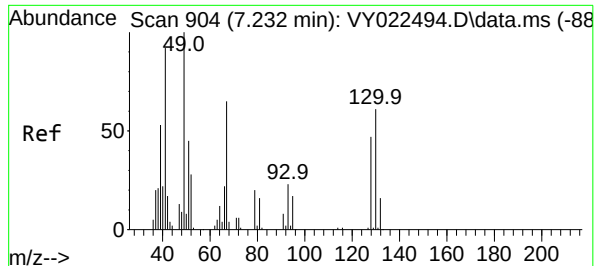
Tgt Ion: 78 Resp: 505749

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9





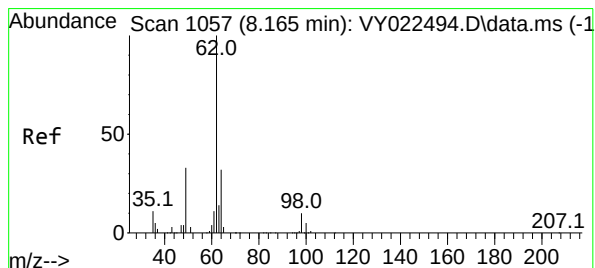
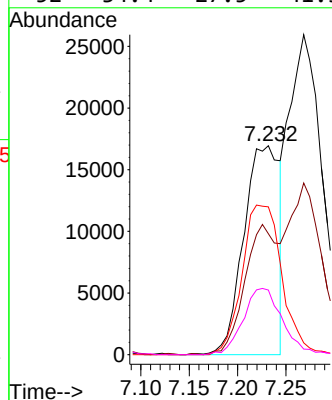
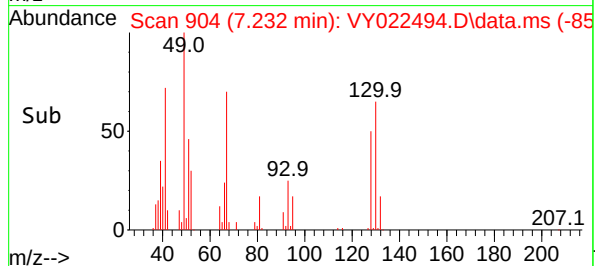
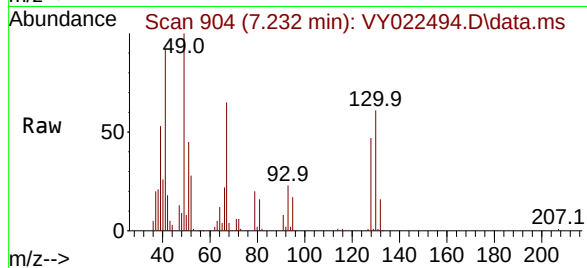
#41
Methacrylonitrile
Concen: 46.342 ug/l
RT: 7.232 min Scan# 904
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 4386
Ion Ratio Lower Upper
41 100
39 58.2 46.6 69.8
67 79.1 63.3 94.9
52 34.4 27.5 41.3

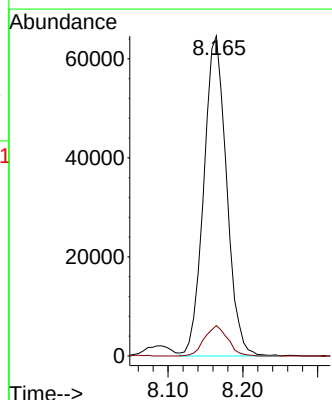
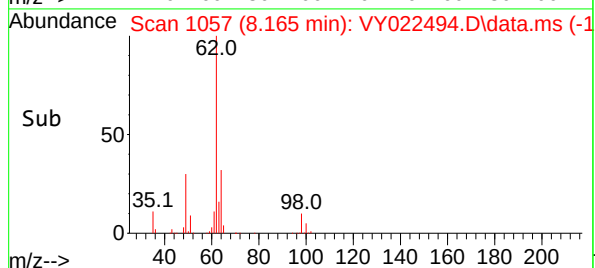
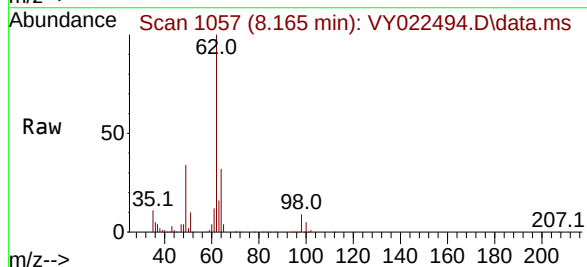
Manual Integrations
APPROVED

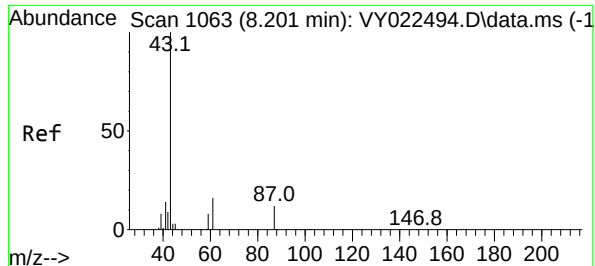
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#42
1,2-Dichloroethane
Concen: 51.114 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 136876
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.2





#43

Isopropyl Acetate

Concen: 52.237 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

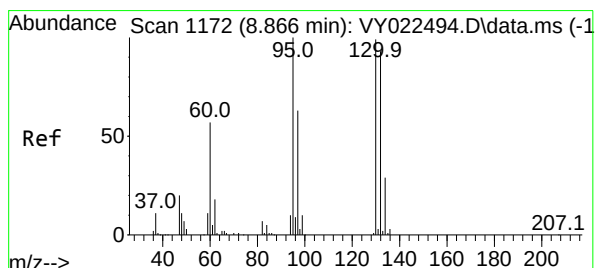
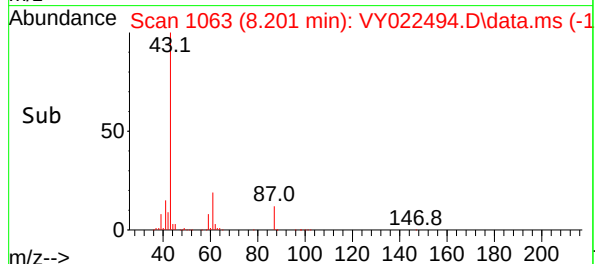
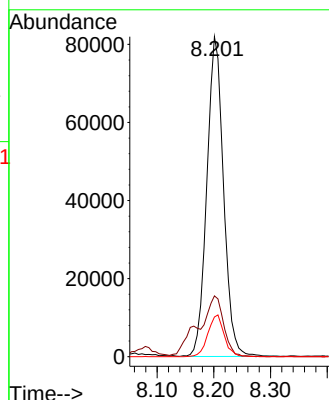
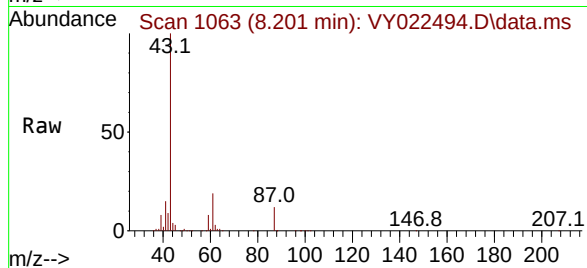
VSTDICCC050

Tgt Ion:	43	Resp:	16777
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.6	23.4
87	12.8	10.2	15.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#44

Trichloroethene

Concen: 51.843 ug/l

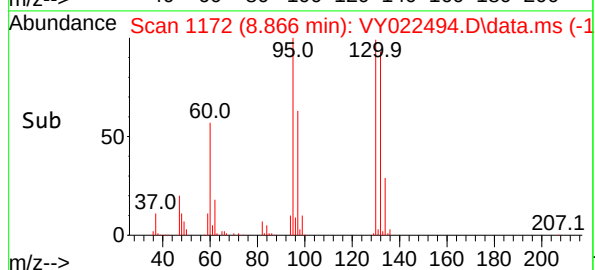
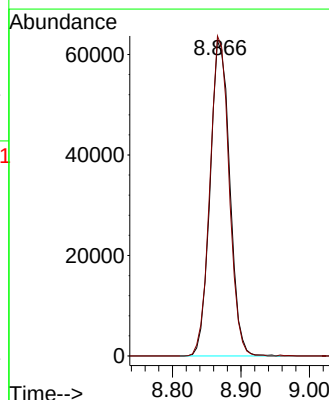
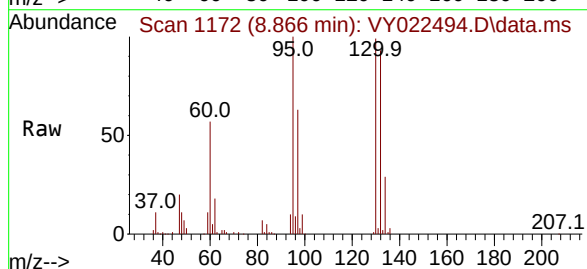
RT: 8.866 min Scan# 1172

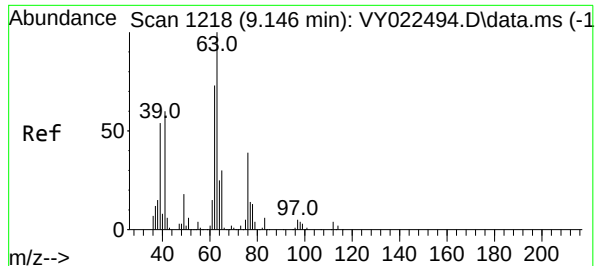
Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Tgt Ion:	130	Resp:	124670
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0





#45

1,2-Dichloropropane

Concen: 51.415 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 120660

Ion Ratio Lower Upper

63 100

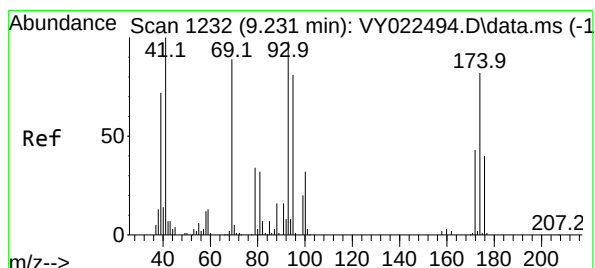
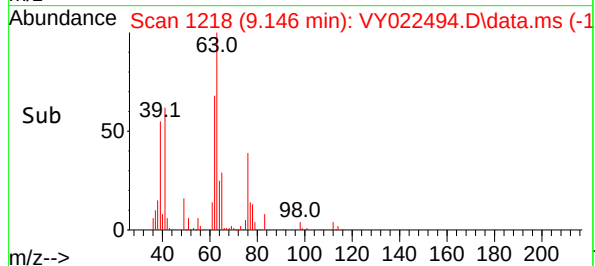
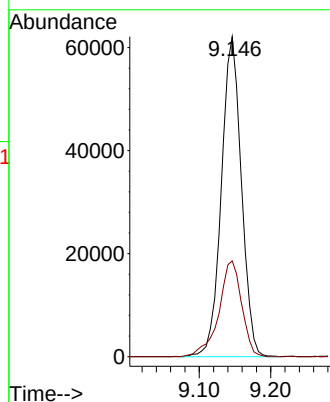
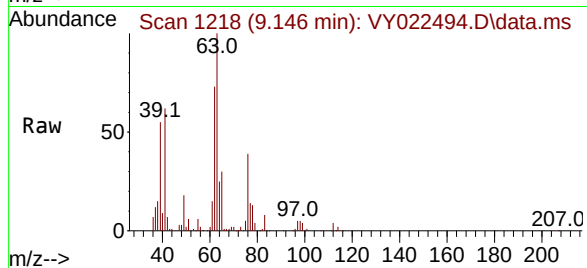
65 30.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#46

Dibromomethane

Concen: 51.485 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

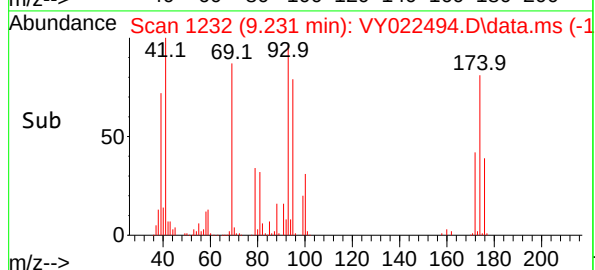
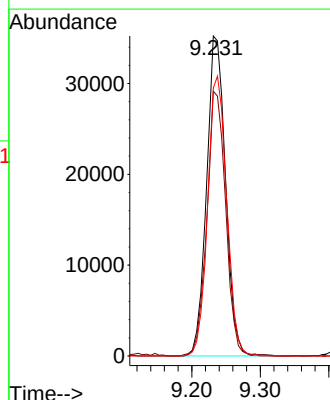
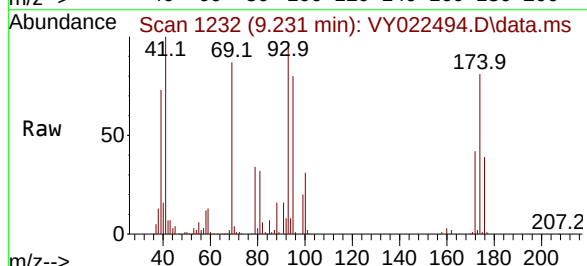
Tgt Ion: 93 Resp: 67690

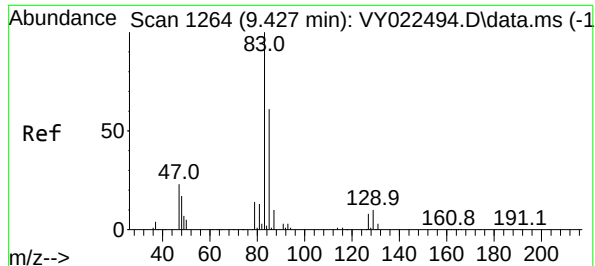
Ion Ratio Lower Upper

93 100

95 82.0 65.6 98.4

174 88.0 70.4 105.6





#47

Bromodichloromethane

Concen: 51.664 ug/l

RT: 9.427 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

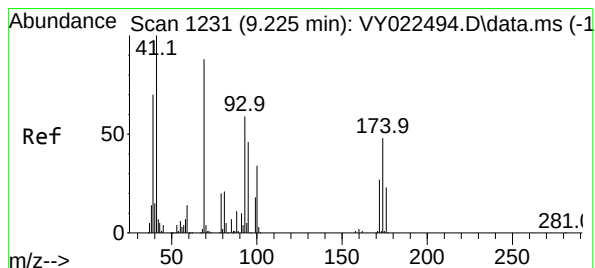
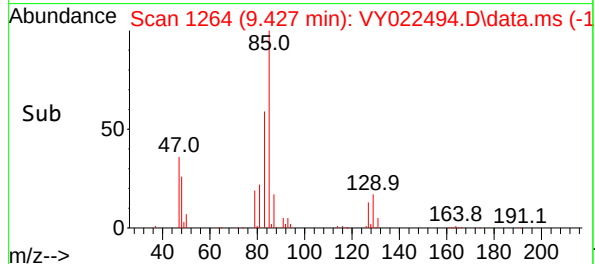
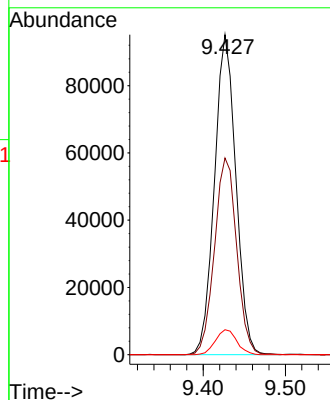
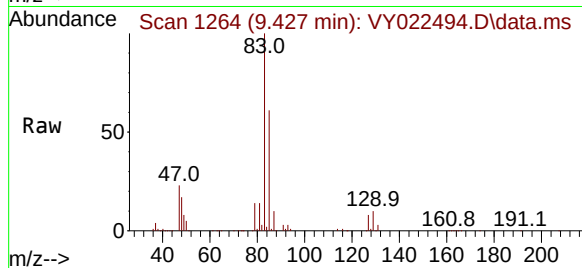
VSTDICCC050

Tgt Ion:	83	Resp:	17234
Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#48

Methyl methacrylate

Concen: 52.963 ug/l

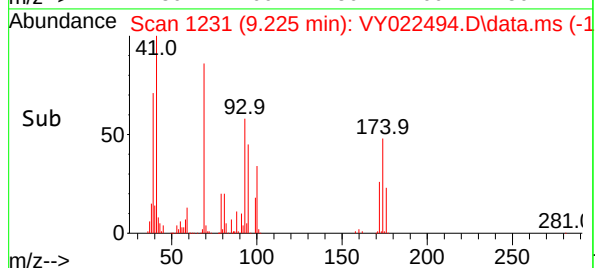
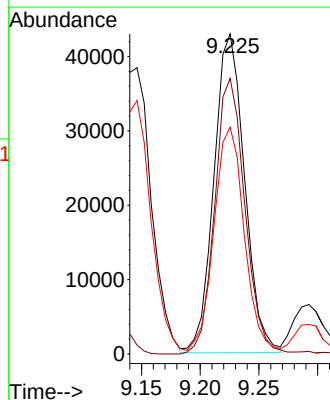
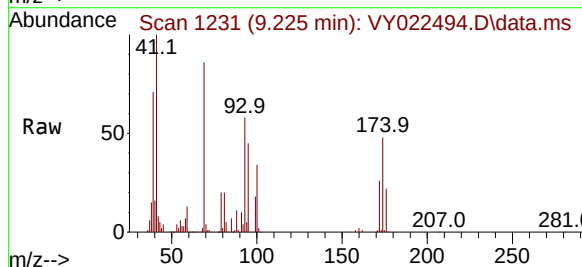
RT: 9.225 min Scan# 1231

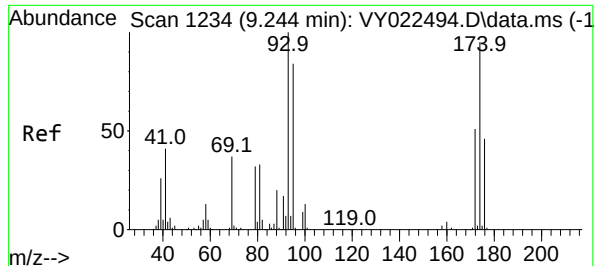
Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Tgt Ion:	41	Resp:	77885
Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	68.7	55.0	82.4





#49

1,4-Dioxane

Concen: 977.637 ug/l

RT: 9.244 min Scan# 1234

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

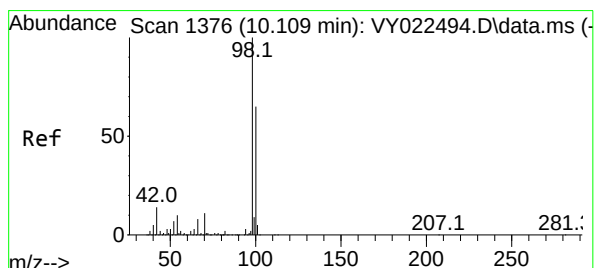
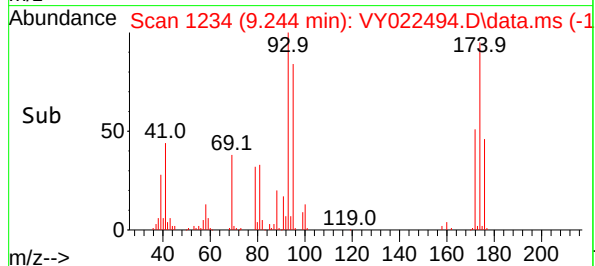
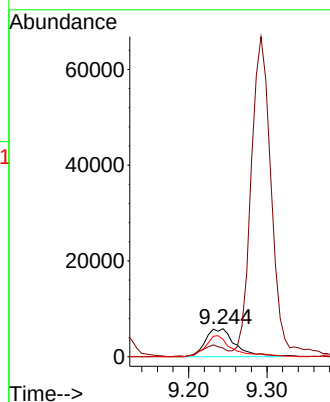
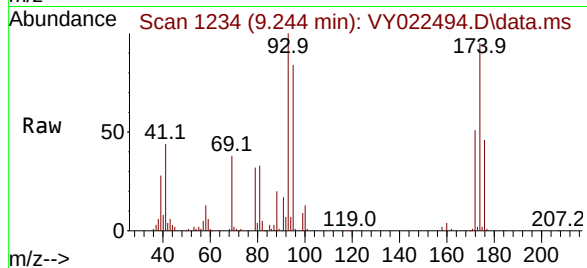
VSTDICCC050

Tgt Ion:	88	Resp:	15334
Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.4	38.2
58	68.6	54.9	82.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#50

Toluene-d8

Concen: 53.734 ug/l

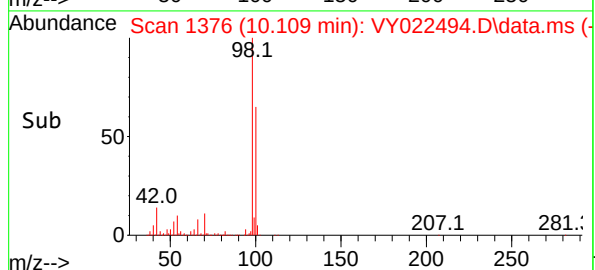
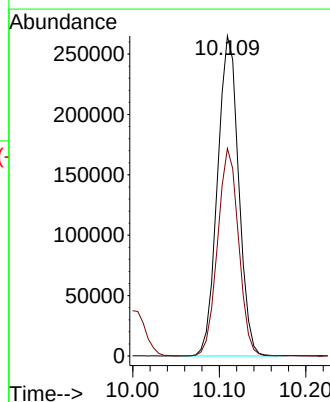
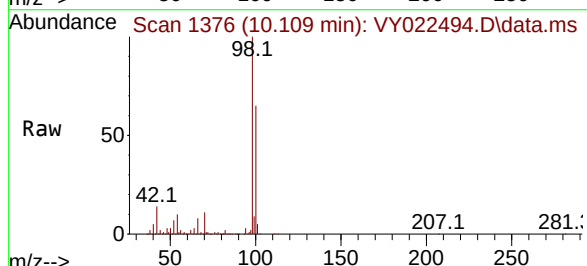
RT: 10.109 min Scan# 1376

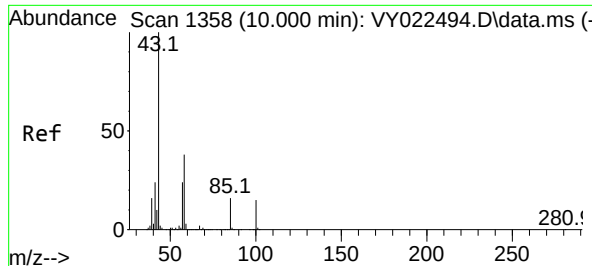
Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

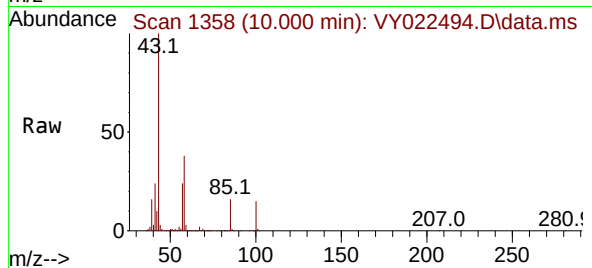
Tgt Ion:	98	Resp:	448690
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 267.154 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

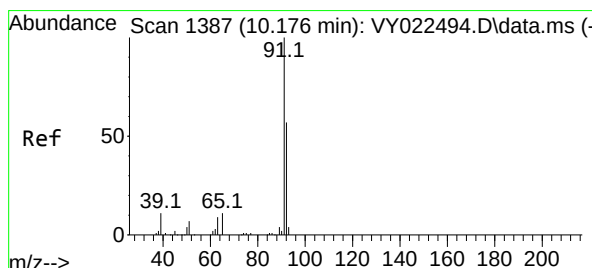
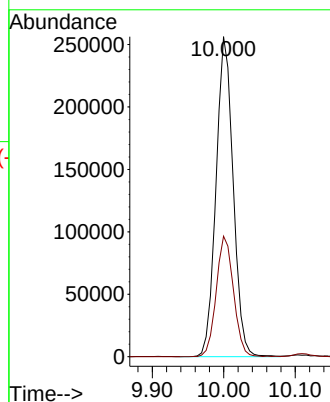
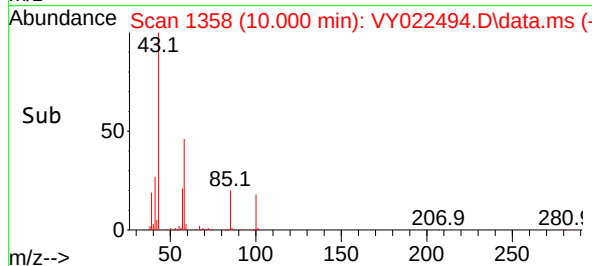
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 425868
Ion Ratio Lower Upper
43 100
58 38.0 30.4 45.6

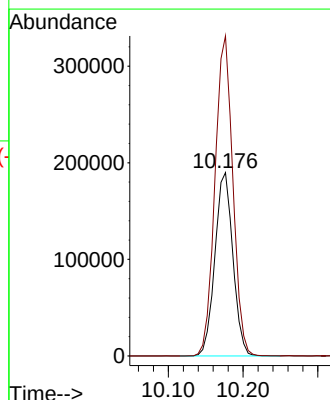
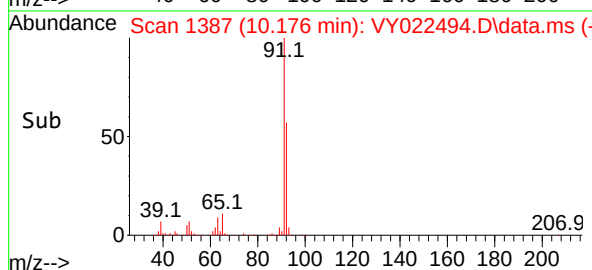
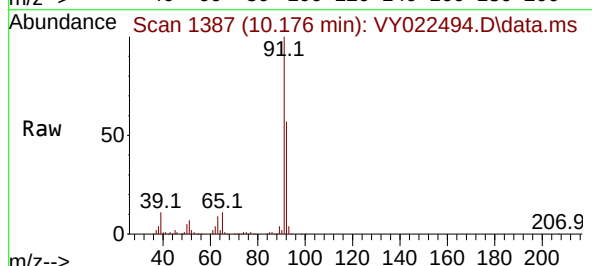
Manual Integrations
APPROVED

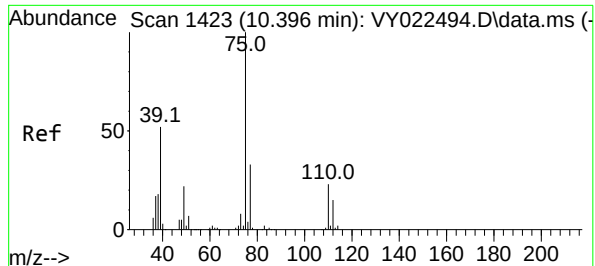
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#52
Toluene
Concen: 51.213 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

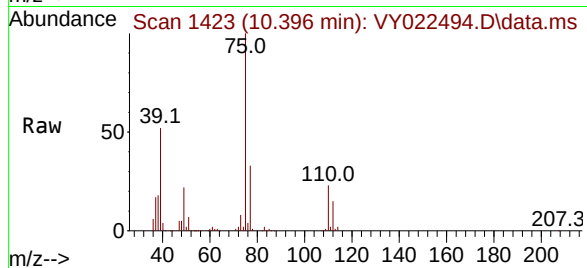
Tgt Ion: 92 Resp: 316972
Ion Ratio Lower Upper
92 100
91 173.7 139.0 208.4





#53
t-1,3-Dichloropropene
Concen: 52.450 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

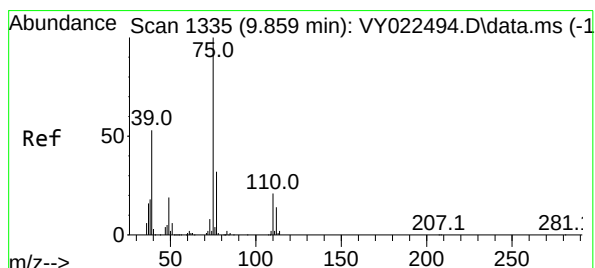
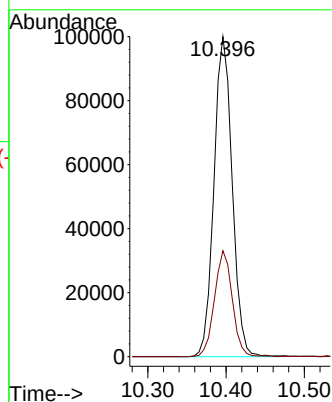
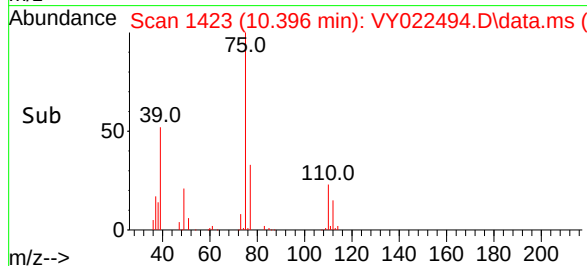
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 161859
Ion Ratio Lower Upper
75 100
77 33.1 26.5 39.7

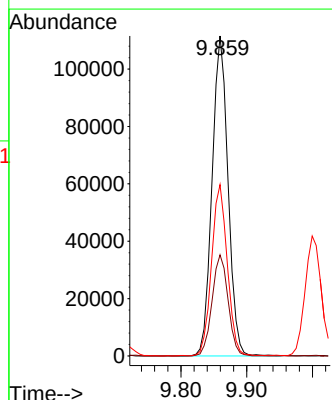
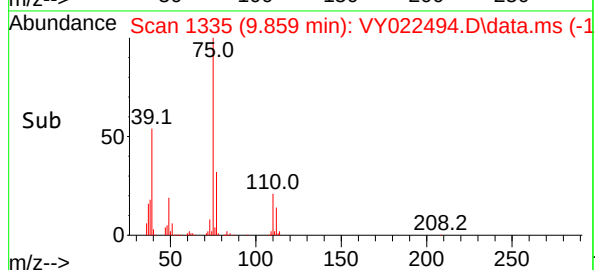
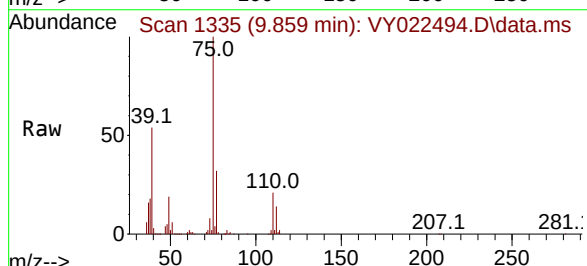
Manual Integrations
APPROVED

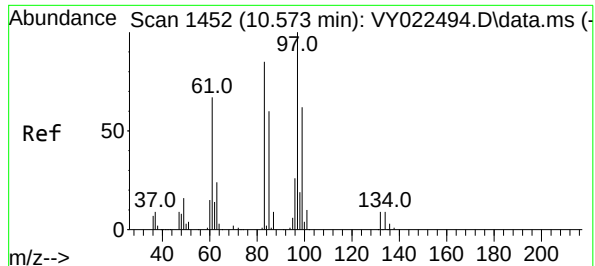
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#54
cis-1,3-Dichloropropene
Concen: 52.108 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

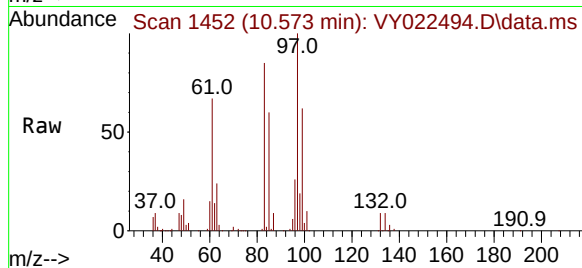
Tgt Ion: 75 Resp: 188559
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 53.4 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 51.209 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

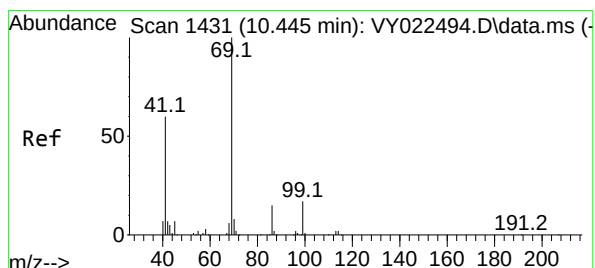
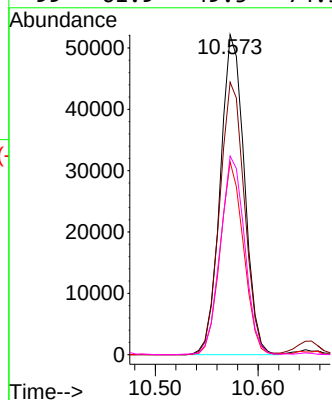
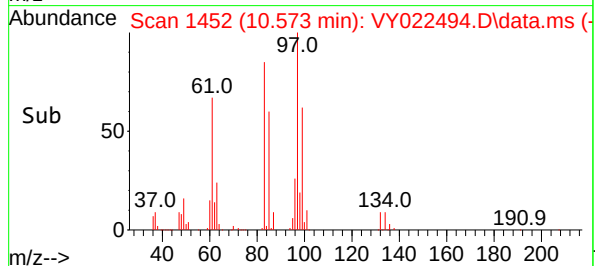
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 97 Resp: 84788
Ion Ratio Lower Upper
97 100
83 85.1 68.1 102.1
85 60.2 48.2 72.2
99 61.9 49.5 74.3

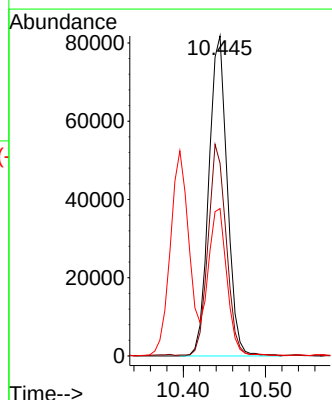
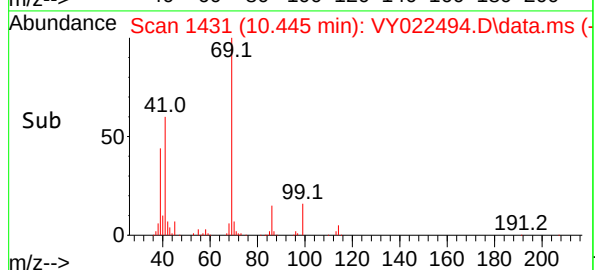
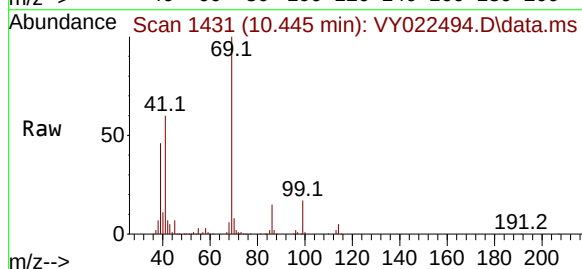
Manual Integrations
APPROVED

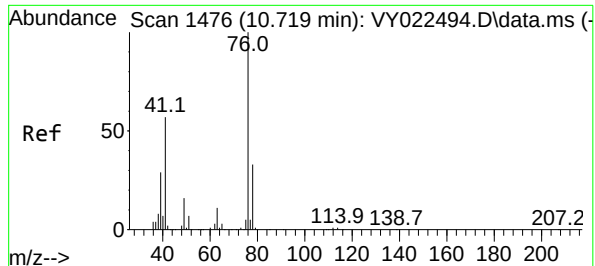
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#56
Ethyl methacrylate
Concen: 52.930 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

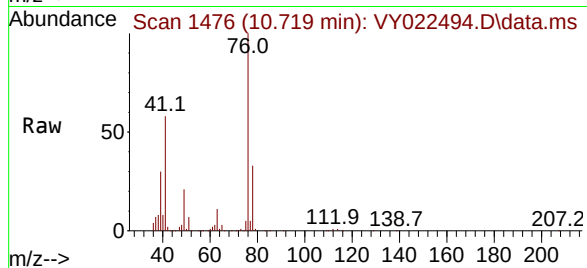
Tgt Ion: 69 Resp: 127271
Ion Ratio Lower Upper
69 100
41 65.2 52.2 78.2
39 45.9 36.7 55.1





#57
1,3-Dichloropropane
Concen: 51.821 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

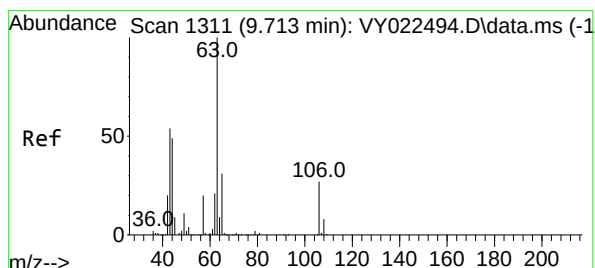
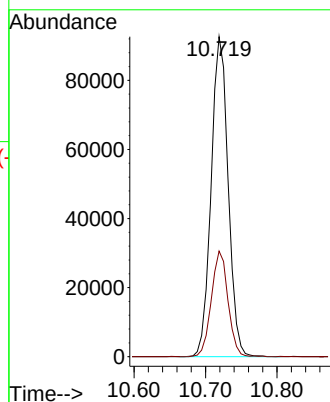
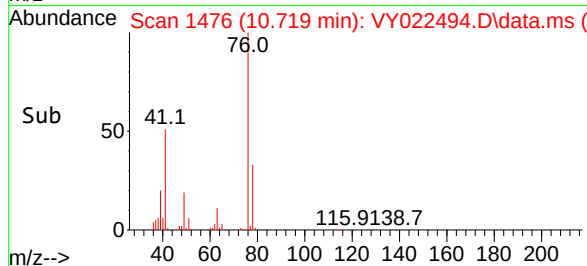
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 152809
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

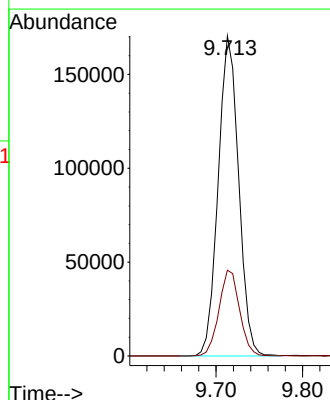
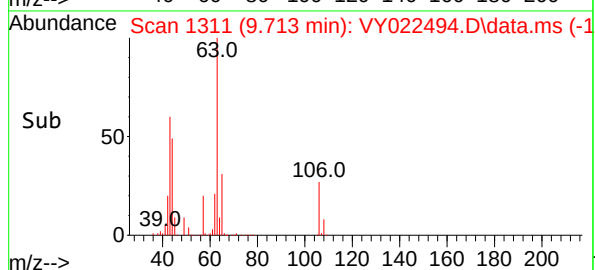
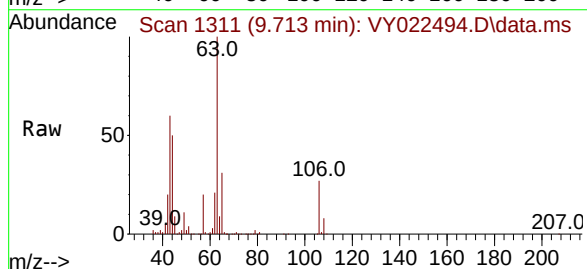
Manual Integrations
APPROVED

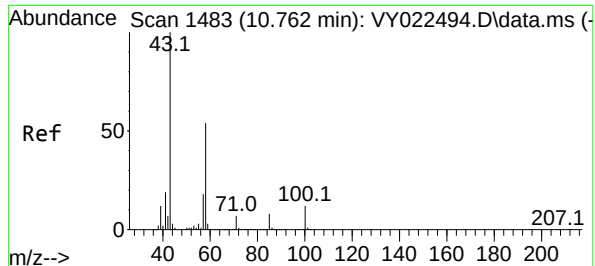
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#58
2-Chloroethyl Vinyl ether
Concen: 260.896 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 279669
Ion Ratio Lower Upper
63 100
106 27.0 21.6 32.4





#59

2-Hexanone

Concen: 266.885 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 28360

Ion Ratio Lower Upper

43 100

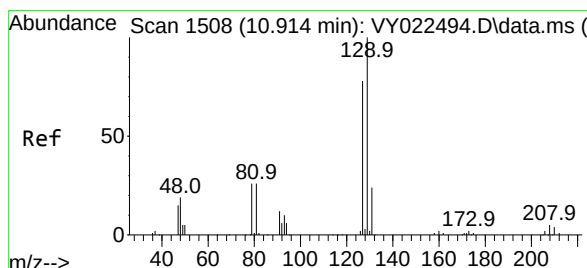
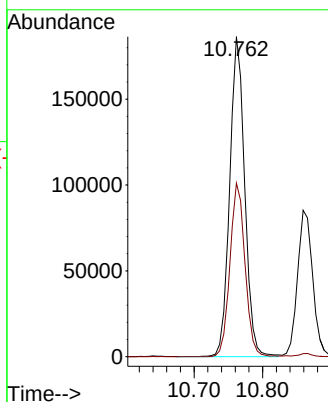
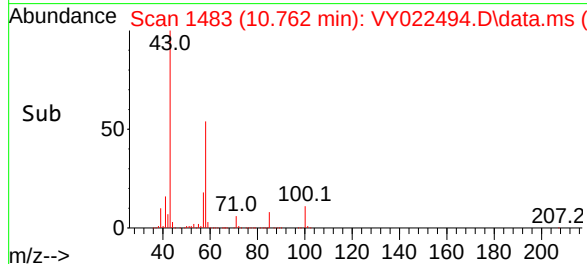
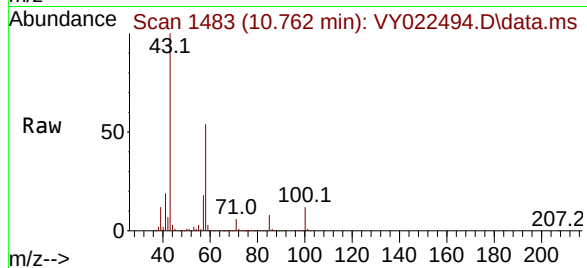
58 54.5 27.3 81.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#60

Dibromochloromethane

Concen: 52.582 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.000 min

Lab File: VY022494.D

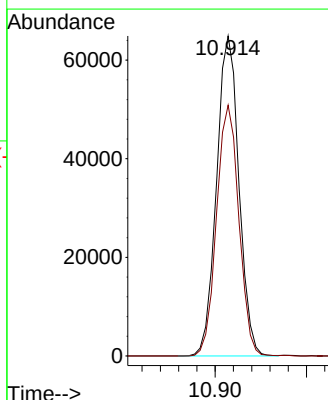
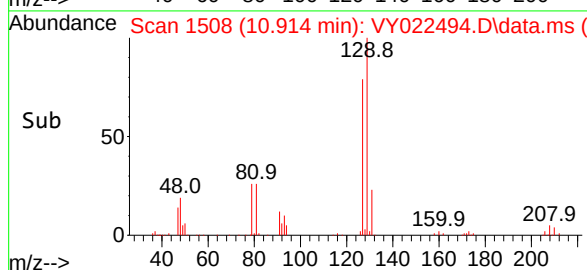
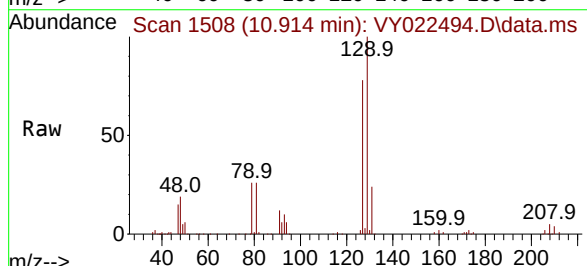
Acq: 02 Jun 2025 12:54

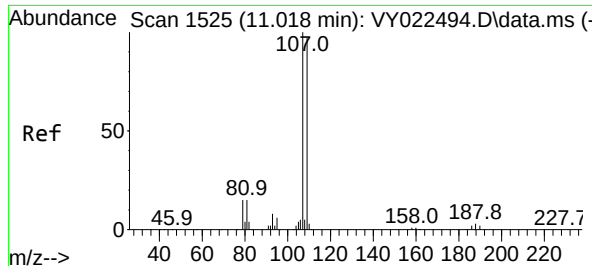
Tgt Ion:129 Resp: 110314

Ion Ratio Lower Upper

129 100

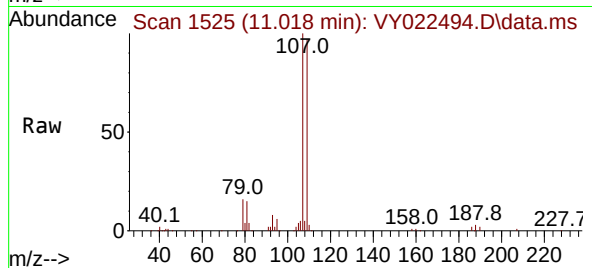
127 78.1 39.1 117.2





#61
1,2-Dibromoethane
Concen: 51.150 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

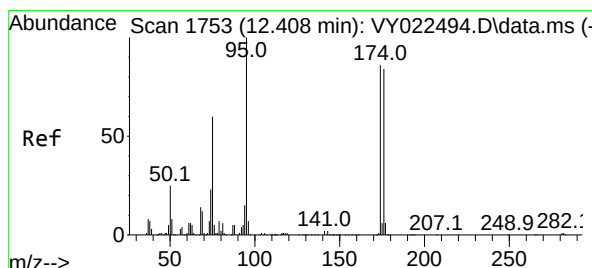
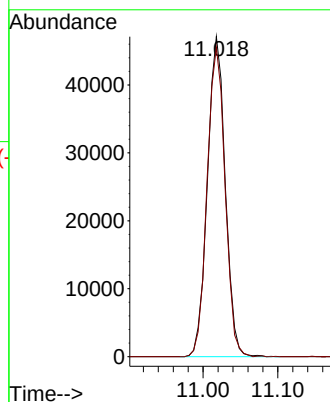
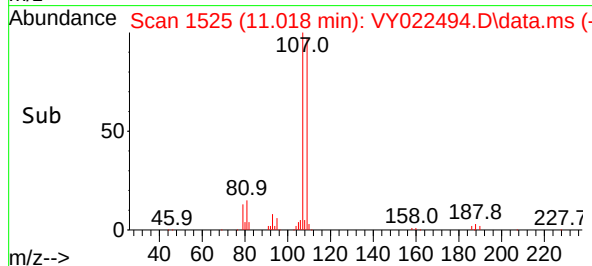
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 7815
Ion Ratio Lower Upper
107 100
109 97.1 77.7 116.5

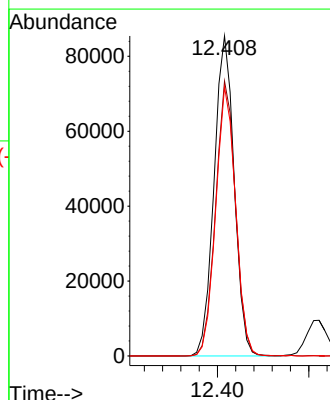
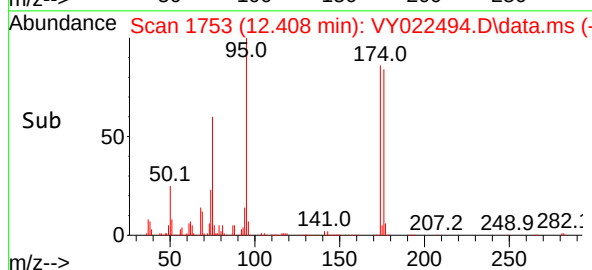
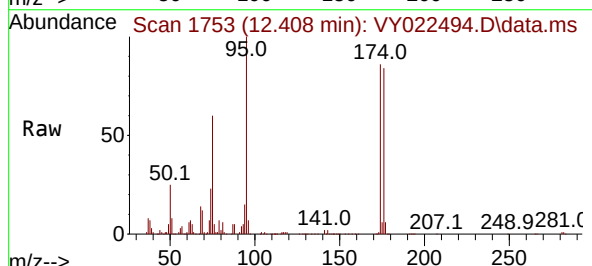
Manual Integrations
APPROVED

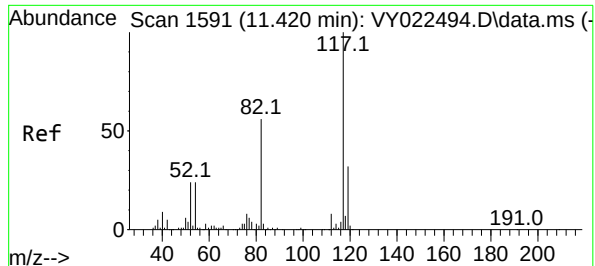
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#62
4-Bromofluorobenzene
Concen: 51.503 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

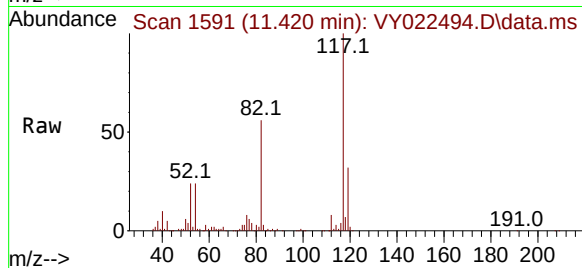
Tgt Ion: 95 Resp: 130393
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 83.1 0.0 166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

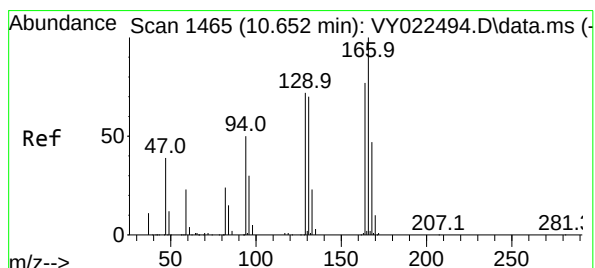
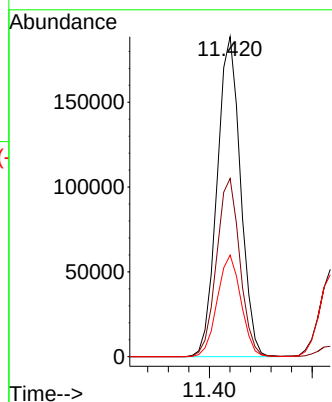
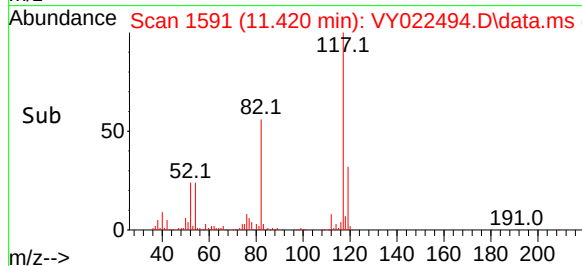
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



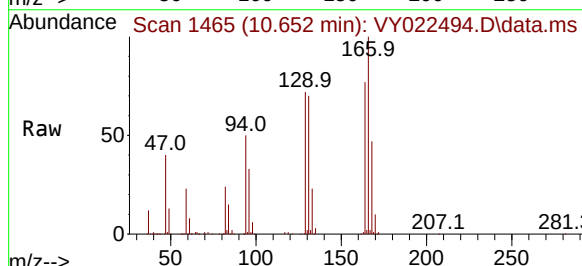
Tgt Ion:117 Resp: 29818
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 31.7 25.4 38.0

Manual Integrations
APPROVED

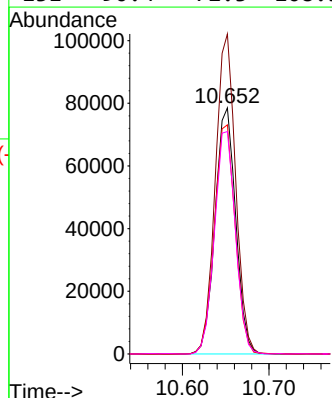
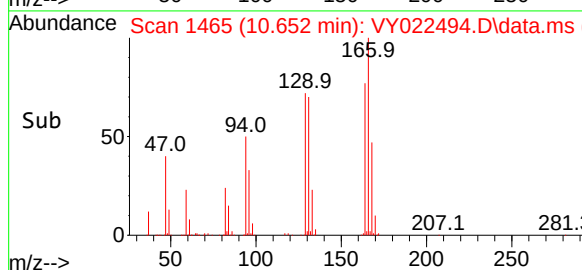
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

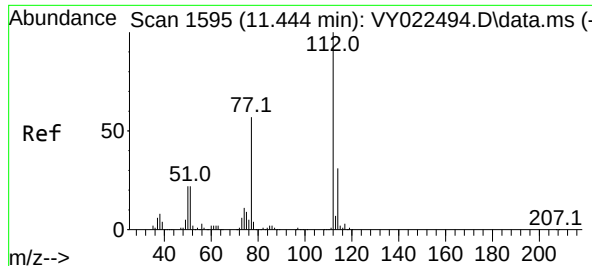


#64
Tetrachloroethene
Concen: 51.367 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



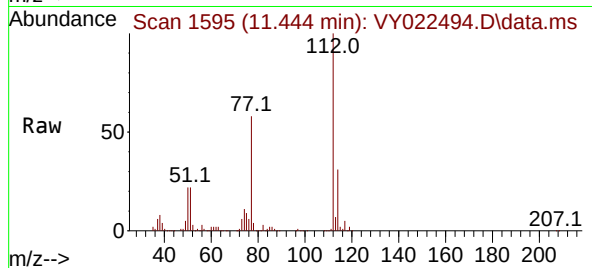
Tgt Ion:164 Resp: 130171
Ion Ratio Lower Upper
164 100
166 130.0 104.0 156.0
129 93.1 74.5 111.7
131 90.4 72.3 108.5





#65
Chlorobenzene
Concen: 51.447 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

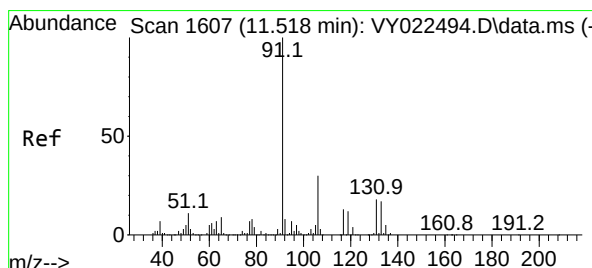
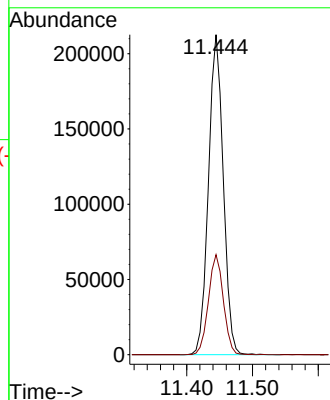
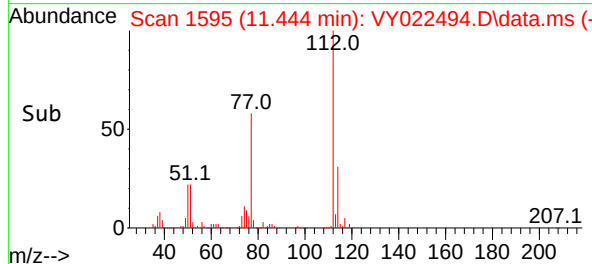
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 332649
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6

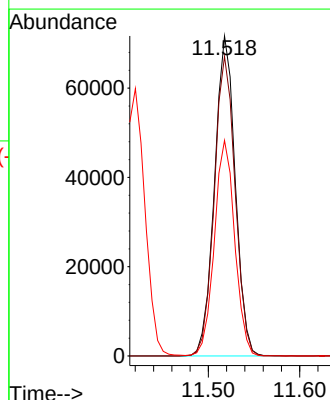
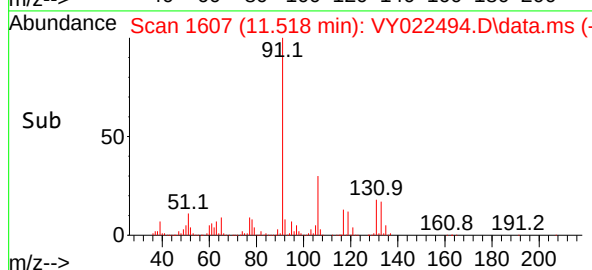
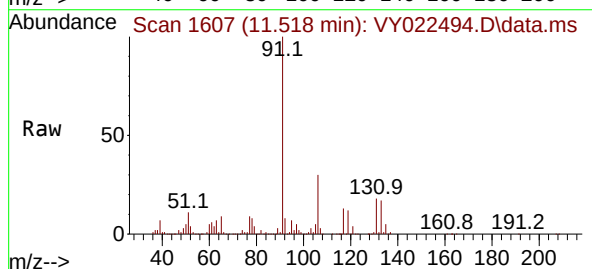
Manual Integrations
APPROVED

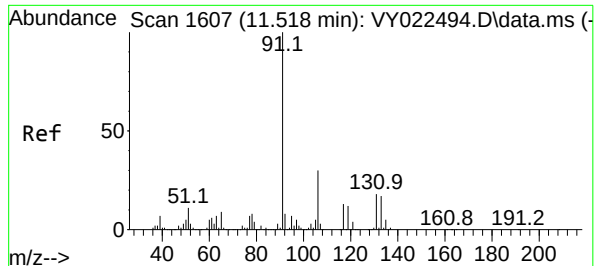
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 51.526 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:131 Resp: 112934
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 66.2 33.1 99.3





#67

Ethyl Benzene

Concen: 51.577 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 62103

Ion Ratio Lower Upper

91 100

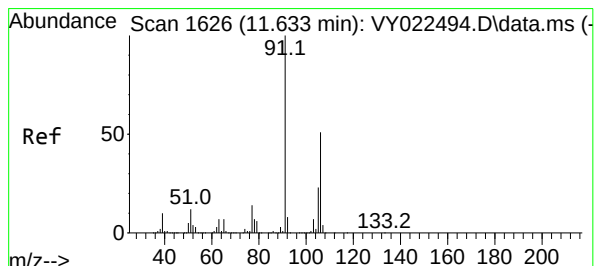
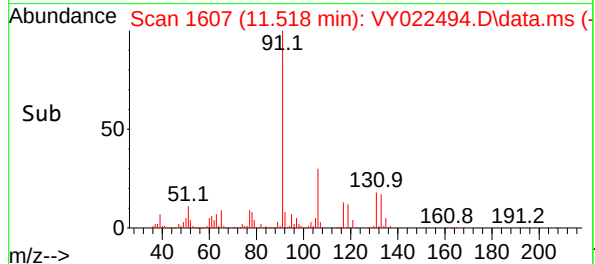
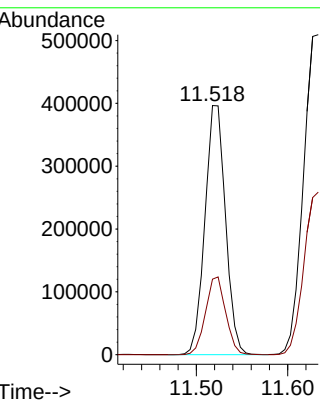
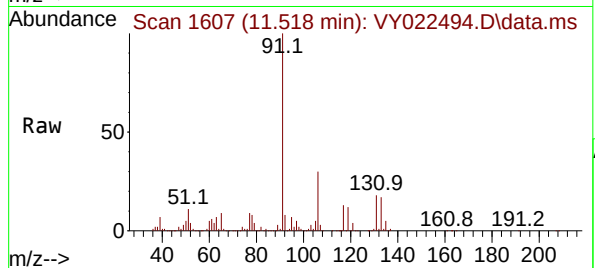
106 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#68

m/p-Xylenes

Concen: 102.795 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.000 min

Lab File: VY022494.D

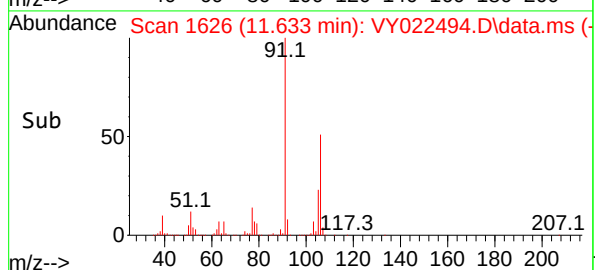
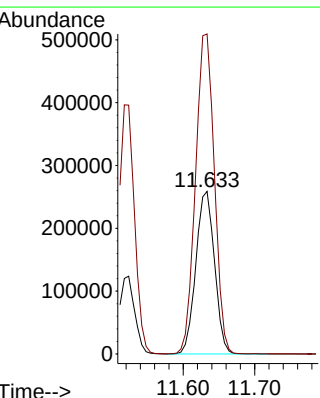
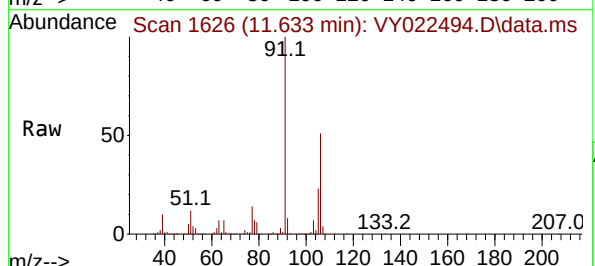
Acq: 02 Jun 2025 12:54

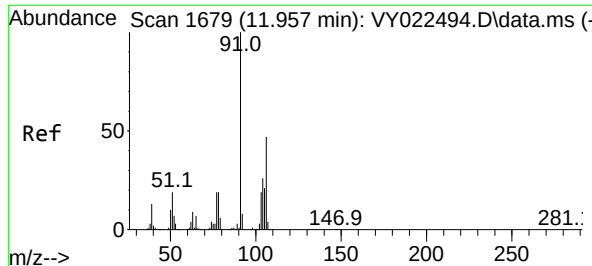
Tgt Ion:106 Resp: 468441

Ion Ratio Lower Upper

106 100

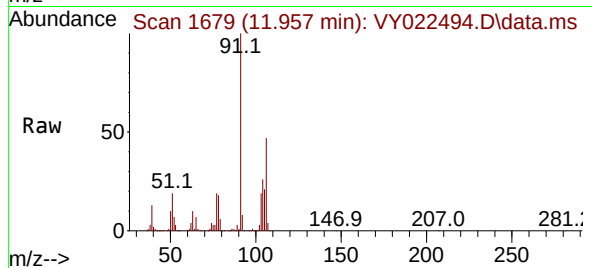
91 199.2 159.4 239.0





#69
o-Xylene
Concen: 51.293 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

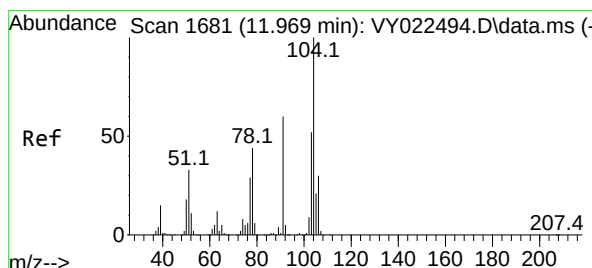
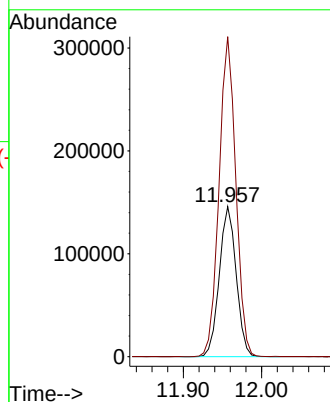
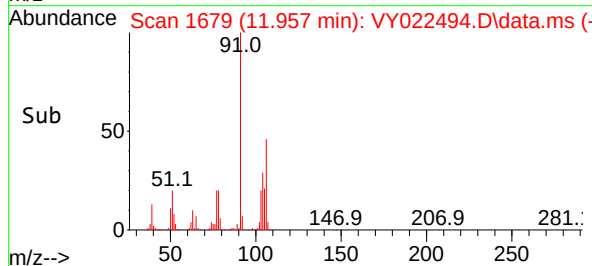
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:106 Resp: 218760
Ion Ratio Lower Upper
106 100
91 211.5 105.8 317.3

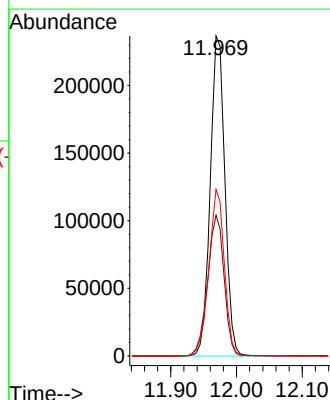
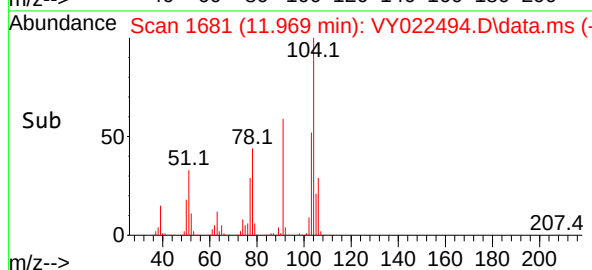
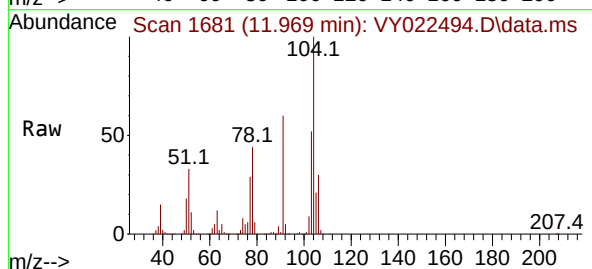
Manual Integrations
APPROVED

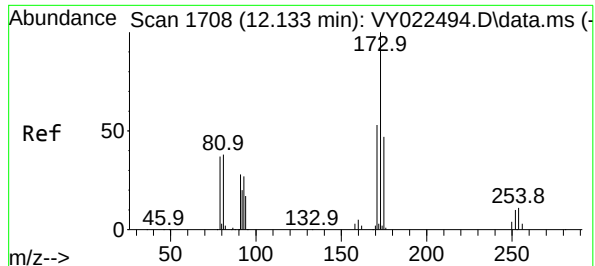
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#70
Styrene
Concen: 52.052 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

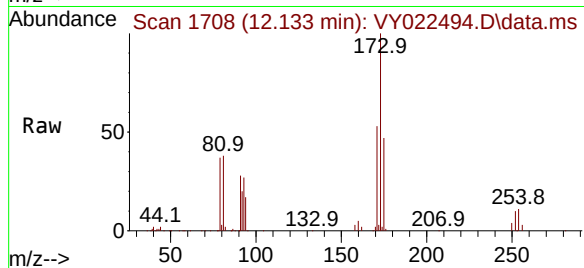
Tgt Ion:104 Resp: 367553
Ion Ratio Lower Upper
104 100
78 49.4 39.5 59.3
103 55.1 44.1 66.1





#71
Bromoform
Concen: 51.996 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

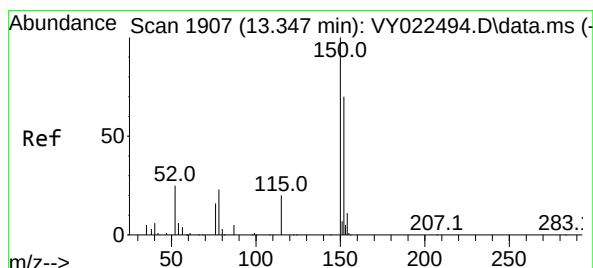
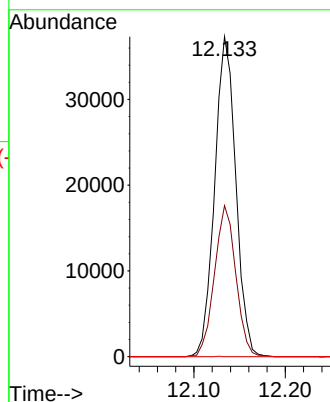
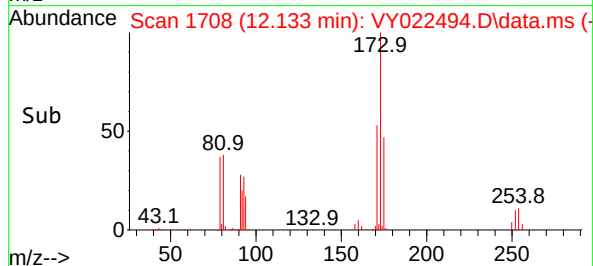
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



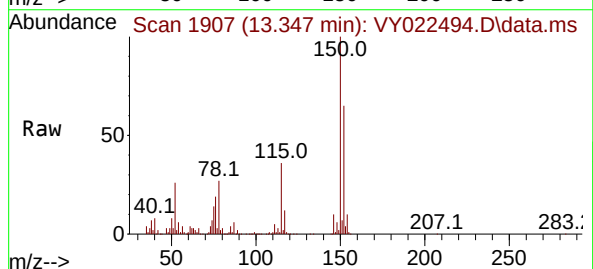
Tgt Ion:173 Resp: 5988
Ion Ratio Lower Upper
173 100
175 47.7 23.8 71.5
254 0.0 0.0 0.0

Manual Integrations
APPROVED

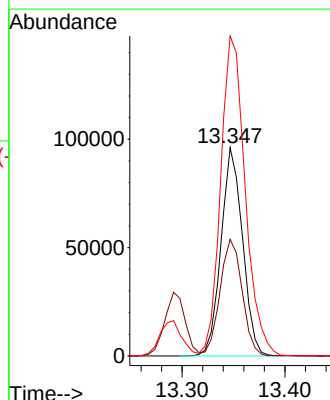
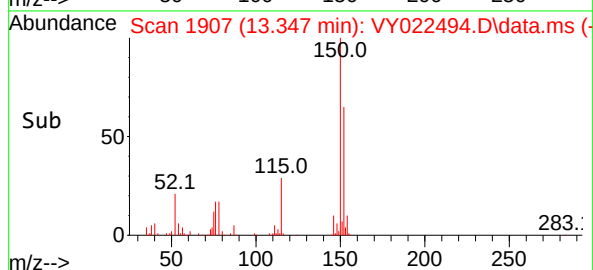
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

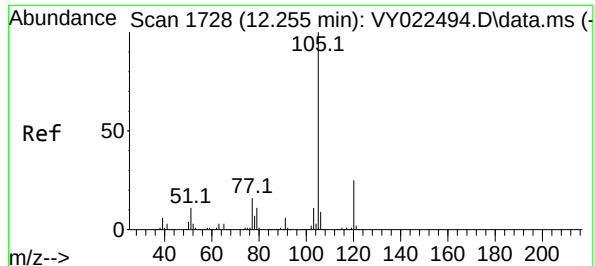


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



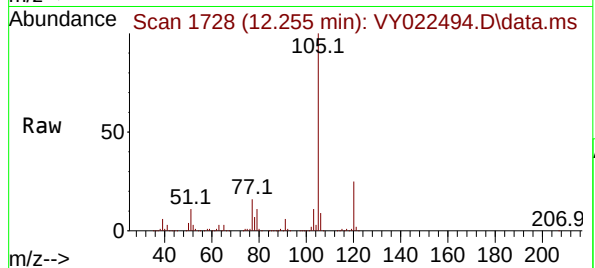
Tgt Ion:152 Resp: 139554
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.7
150 174.8 0.0 349.6





#73
Isopropylbenzene
Concen: 51.329 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

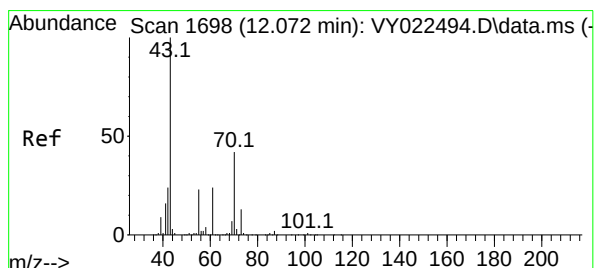
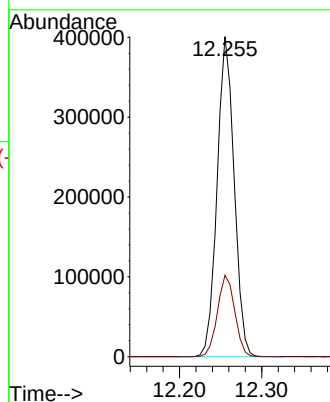
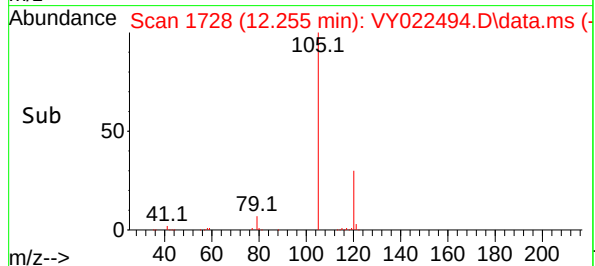
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 105 Resp: 577133
Ion Ratio Lower Upper
105 100
120 25.9 13.0 38.9

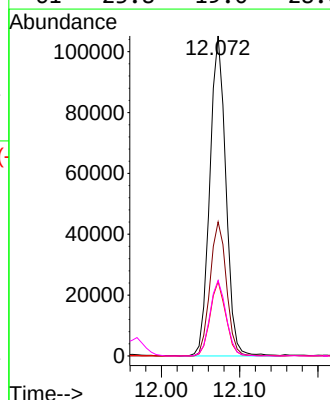
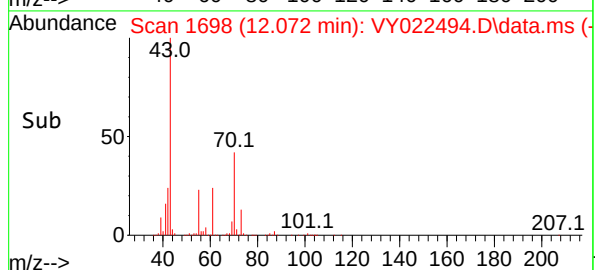
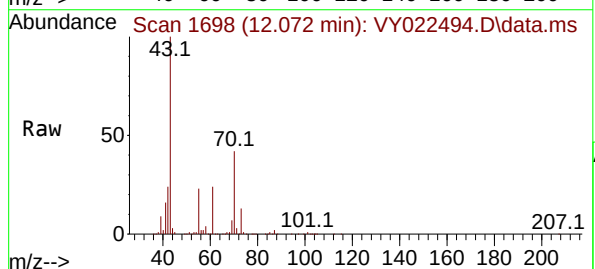
Manual Integrations
APPROVED

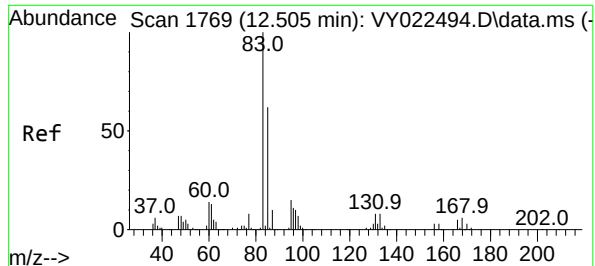
Reviewed By : Semsettin Yesilyurt 06/03/2025
Supervised By : Mahesh Dadoda 06/03/2025



#74
N-ethyl acetate
Concen: 52.627 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 149637
Ion Ratio Lower Upper
43 100
70 42.7 34.2 51.2
55 22.8 18.2 27.4
61 23.8 19.0 28.6





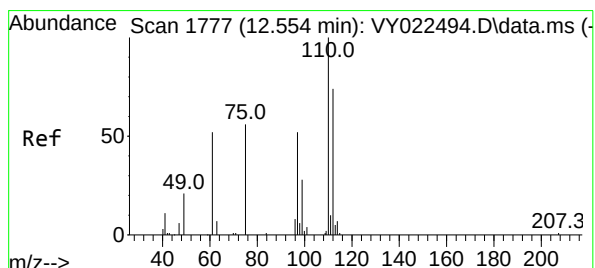
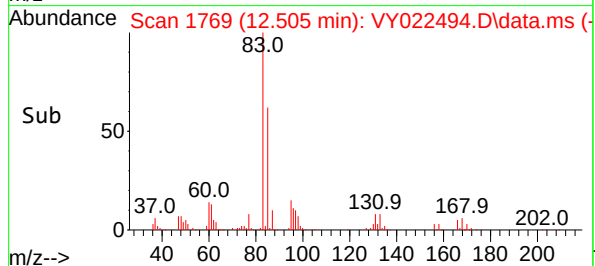
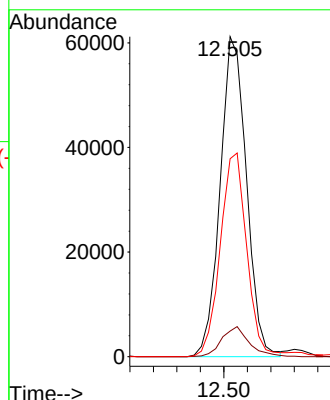
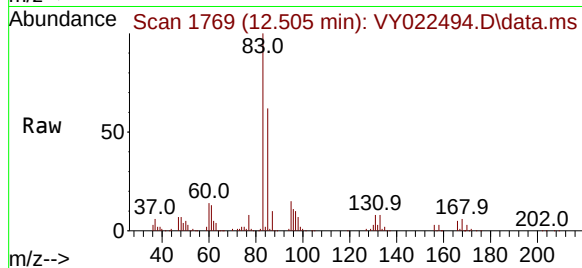
#75
1,1,2,2-Tetrachloroethane
Concen: 52.145 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 95218
Ion Ratio Lower Upper
83 100
131 9.8 4.9 14.7
85 65.2 32.6 97.8

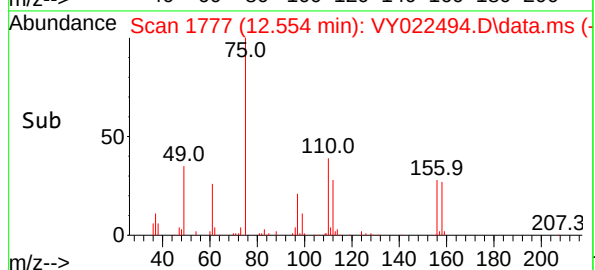
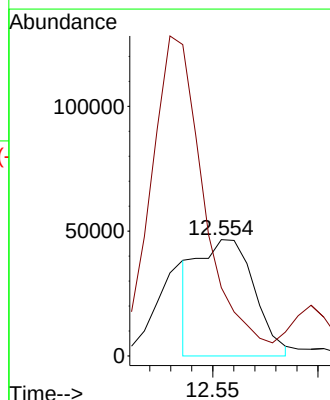
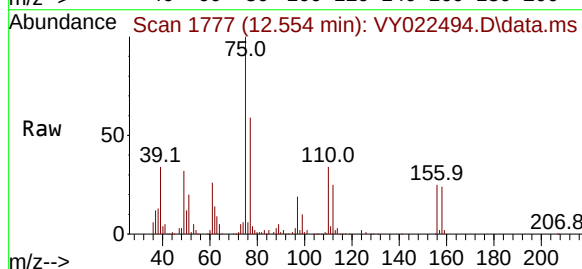
Manual Integrations
APPROVED

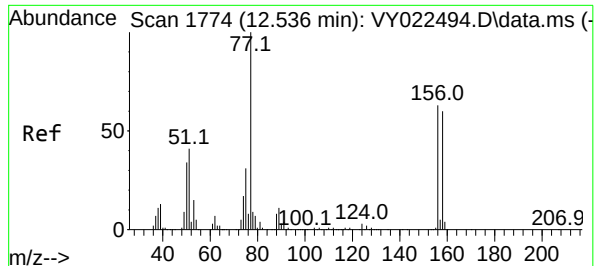
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#76
1,2,3-Trichloropropane
Concen: 47.747 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

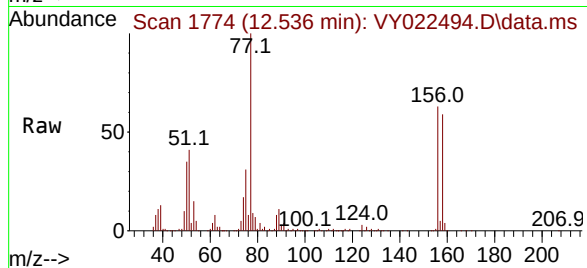
Tgt Ion: 75 Resp: 87965
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 50.812 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

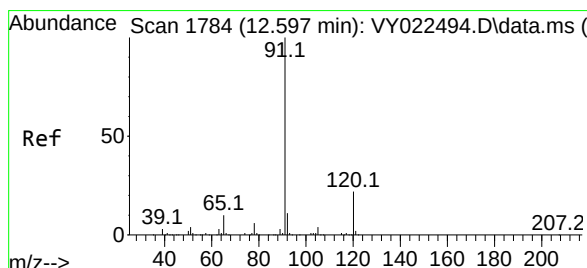
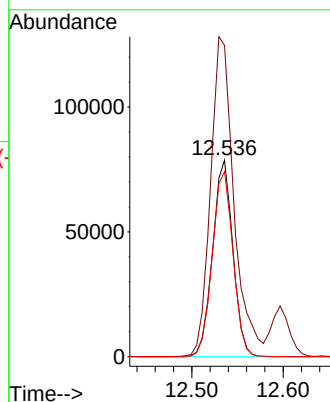
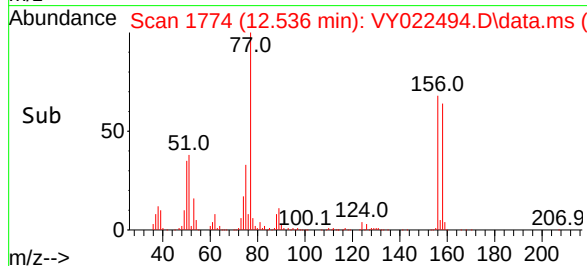
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 156 Resp: 121092
Ion Ratio Lower Upper
156 100
77 188.1 94.0 282.1
158 96.4 48.2 144.6

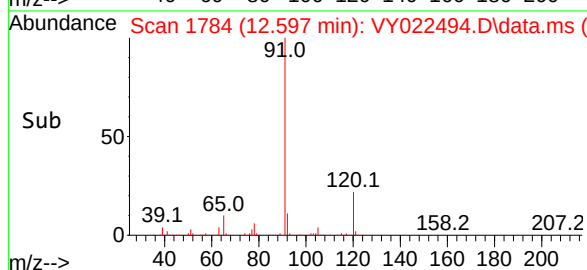
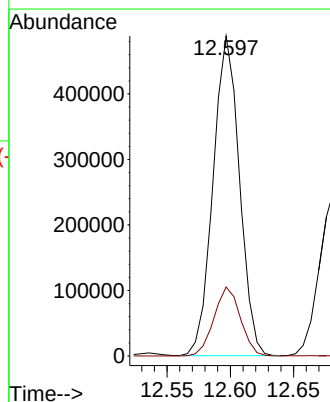
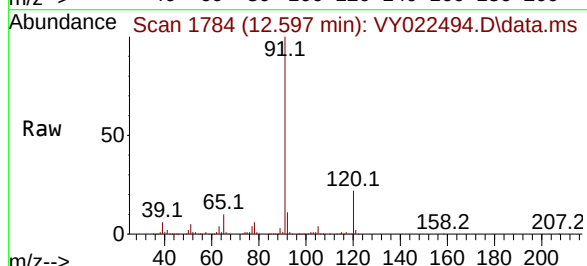
Manual Integrations
APPROVED

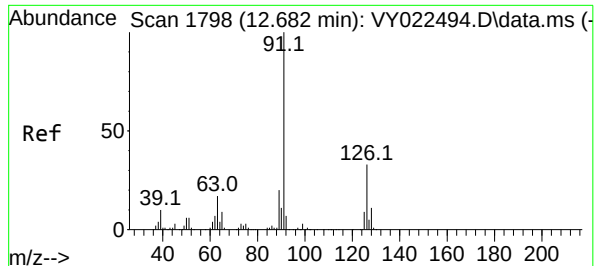
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#78
n-propylbenzene
Concen: 51.667 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 707143
Ion Ratio Lower Upper
91 100
120 21.6 10.8 32.4





#79

2-Chlorotoluene

Concen: 51.670 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 37340

Ion Ratio Lower Upper

91 100

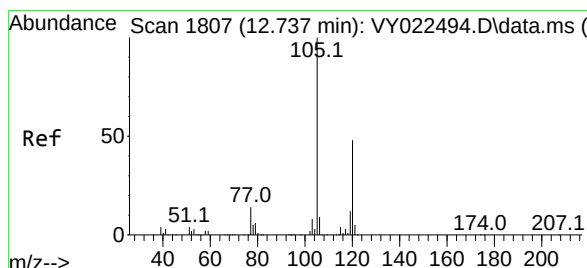
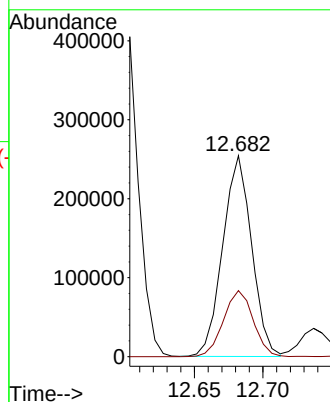
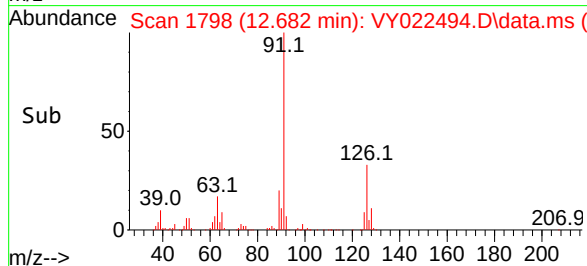
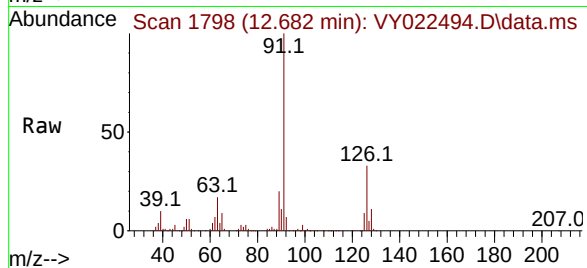
126 34.0 17.0 51.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 51.754 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022494.D

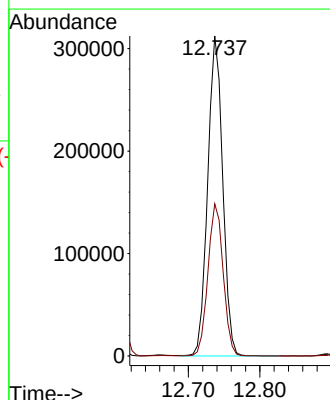
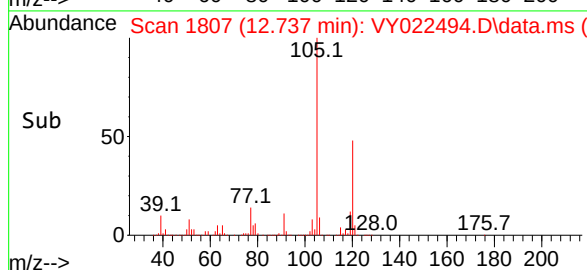
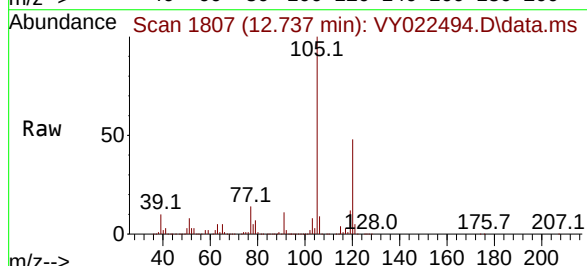
Acq: 02 Jun 2025 12:54

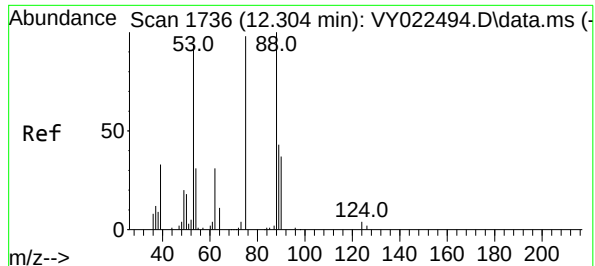
Tgt Ion:105 Resp: 455006

Ion Ratio Lower Upper

105 100

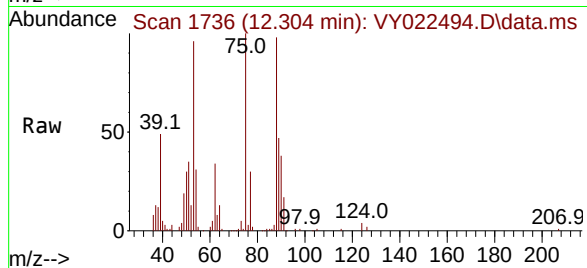
120 48.3 24.1 72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 50.780 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

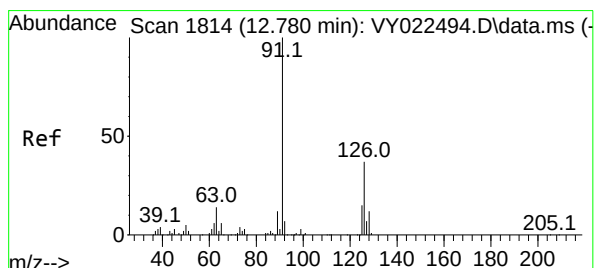
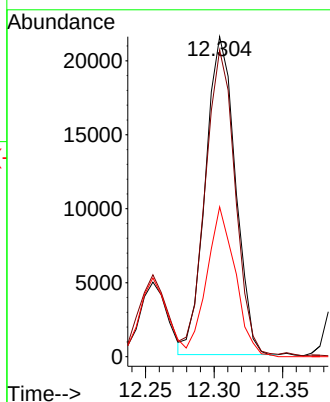
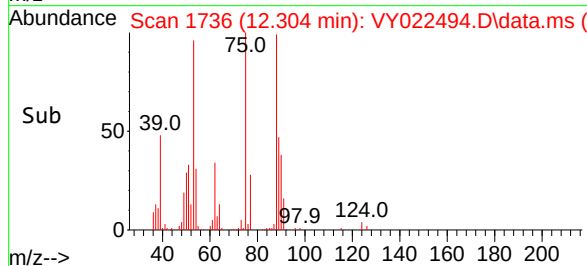
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 32630
Ion Ratio Lower Upper
75 100
53 98.1 78.5 117.7
89 44.6 35.7 53.5

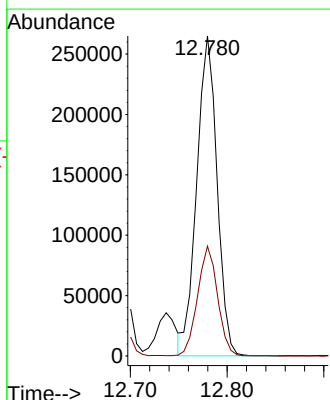
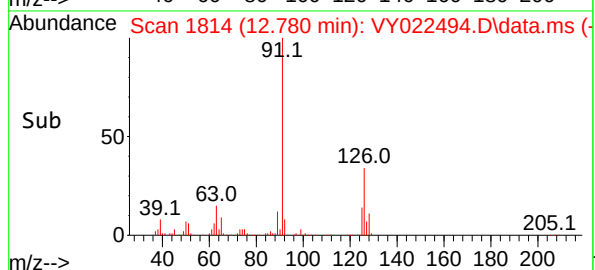
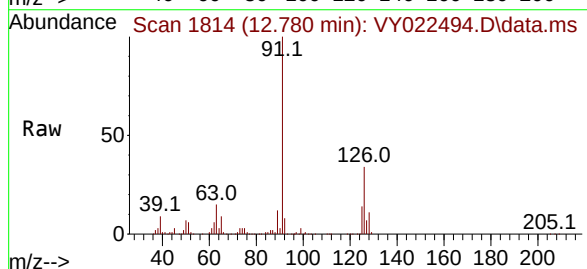
Manual Integrations
APPROVED

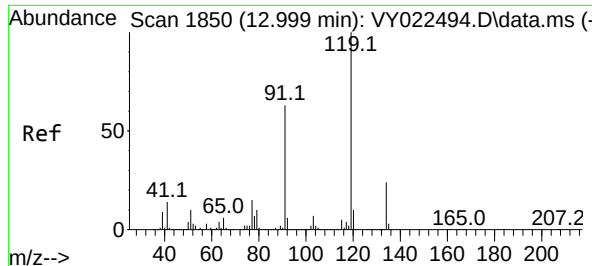
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#82
4-Chlorotoluene
Concen: 51.710 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 387296
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#83

tert-Butylbenzene

Concen: 50.438 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 404519

Ion Ratio Lower Upper

119 100

91 64.2 32.1 96.3

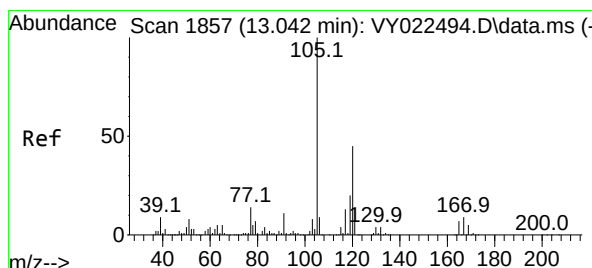
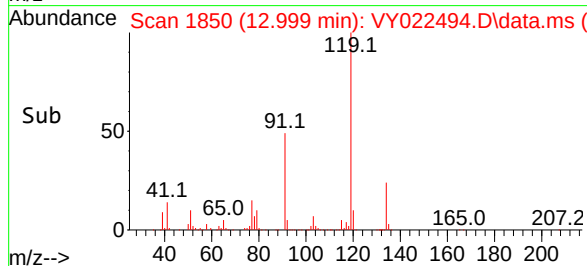
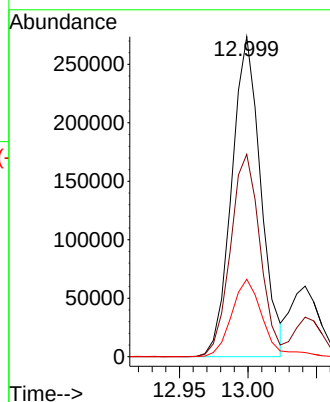
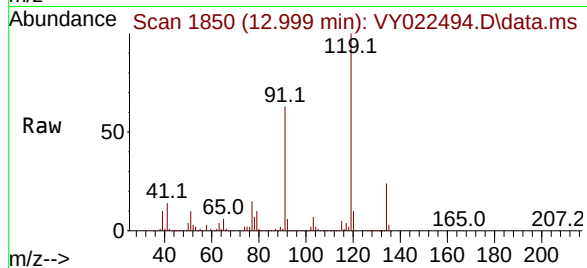
134 25.9 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.088 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022494.D

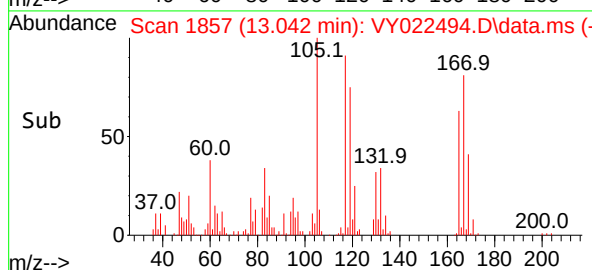
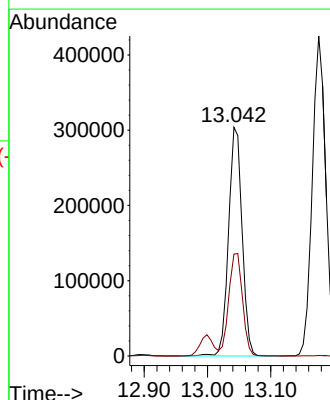
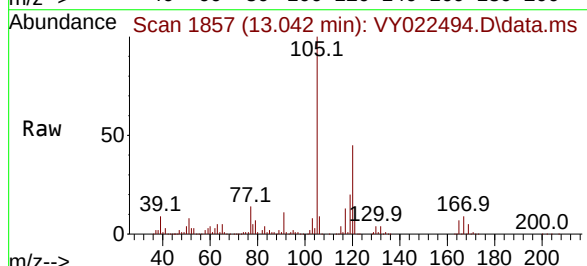
Acq: 02 Jun 2025 12:54

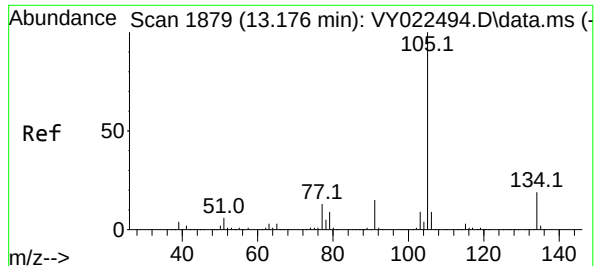
Tgt Ion:105 Resp: 449372

Ion Ratio Lower Upper

105 100

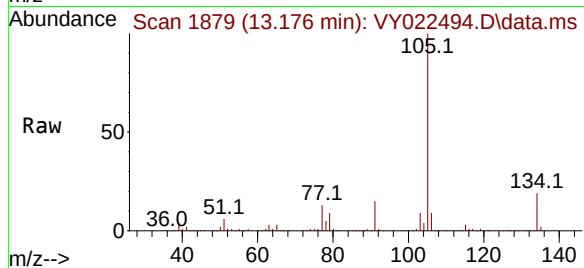
120 45.4 22.7 68.1





#85
sec-Butylbenzene
Concen: 51.250 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

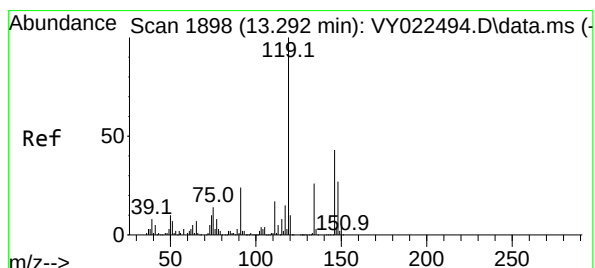
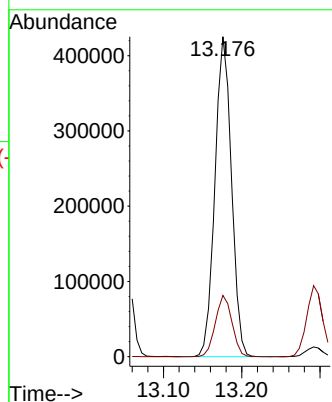
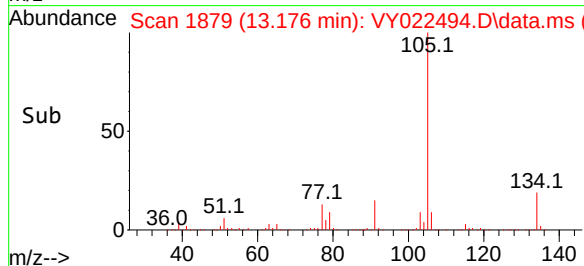
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 62318
Ion Ratio Lower Upper
105 100
134 19.3 9.7 28.9

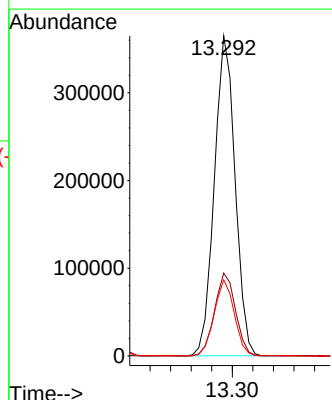
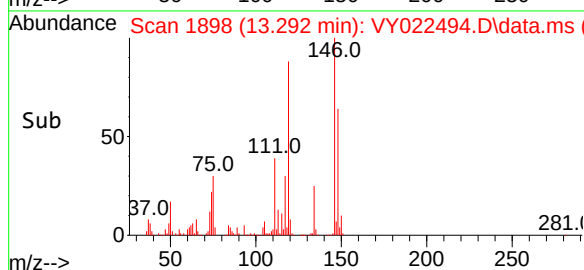
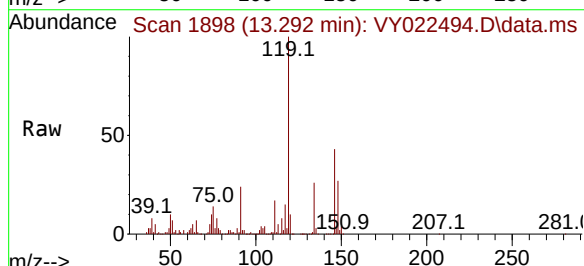
Manual Integrations
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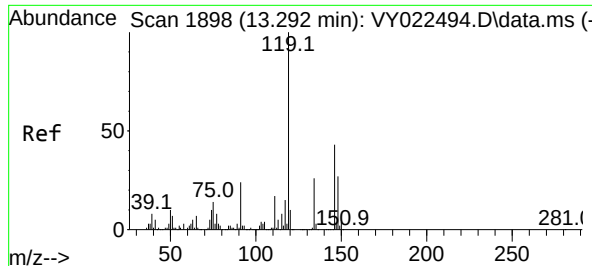
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#86
p-Isopropyltoluene
Concen: 51.018 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 510026
Ion Ratio Lower Upper
119 100
134 26.1 13.1 39.1
91 23.2 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 50.717 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 241810

Ion Ratio Lower Upper

146 100

111 40.1 20.1 60.2

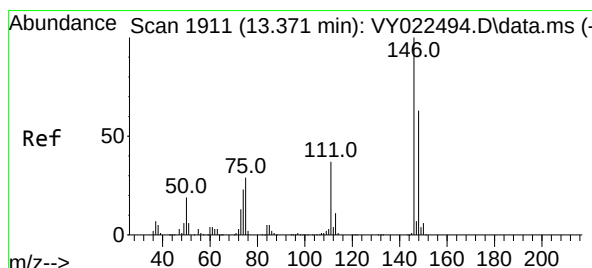
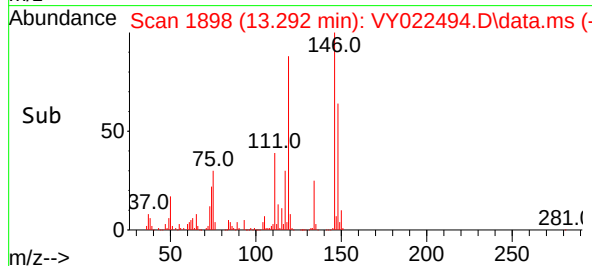
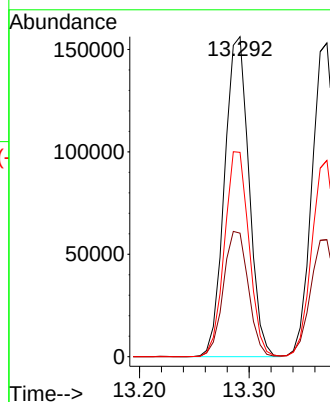
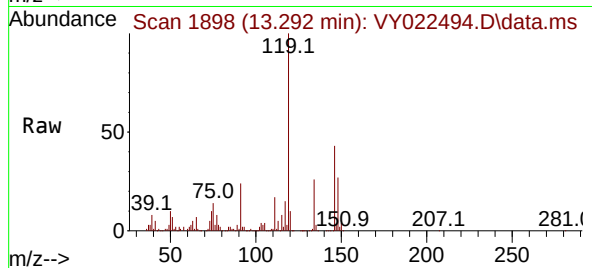
148 64.2 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#88

1,4-Dichlorobenzene

Concen: 51.108 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

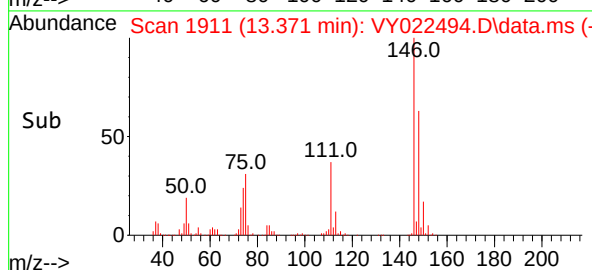
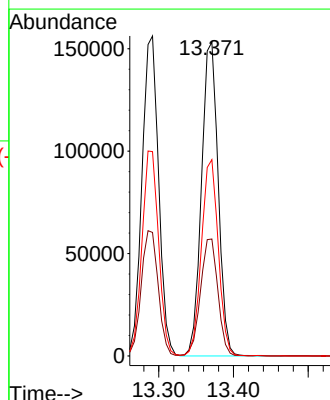
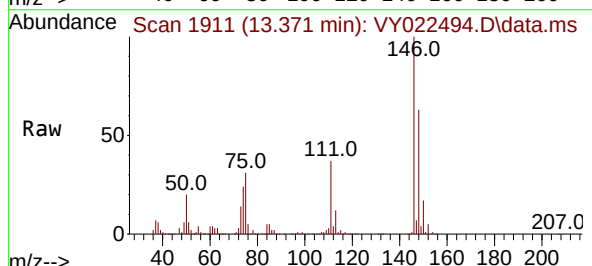
Tgt Ion:146 Resp: 237429

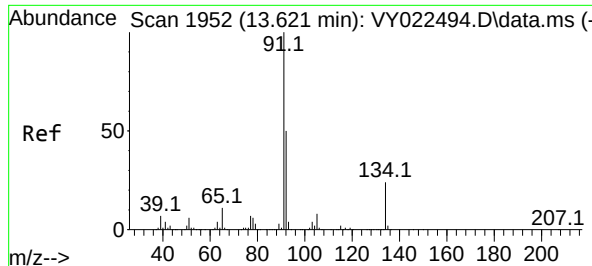
Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.2

148 63.2 31.6 94.8





#89

n-Butylbenzene

Concen: 51.811 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

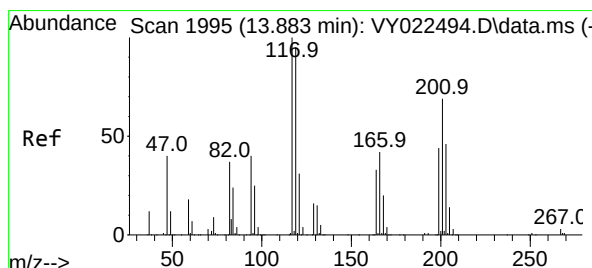
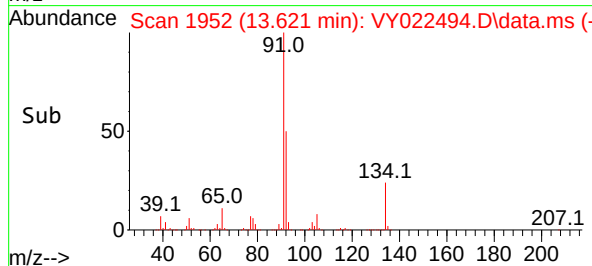
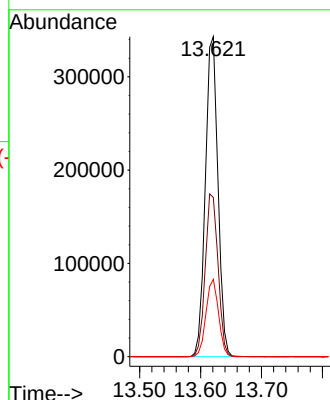
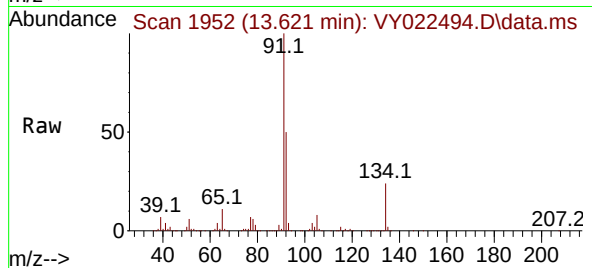
VSTDICCC050

Tgt Ion:	91	Resp:	49315
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#90

Hexachloroethane

Concen: 51.068 ug/l

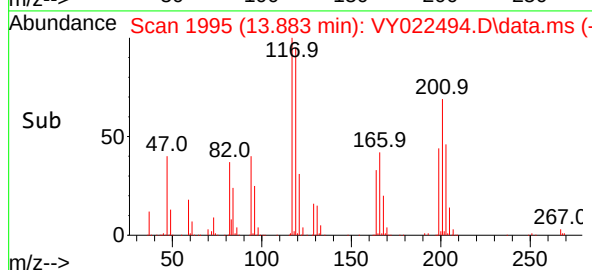
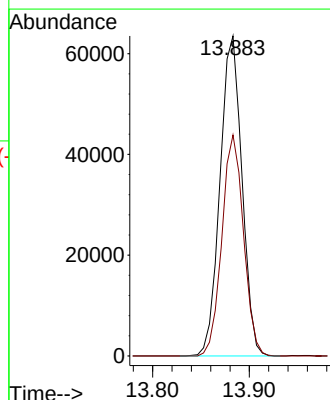
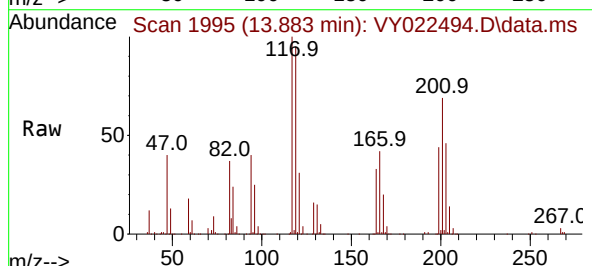
RT: 13.883 min Scan# 1995

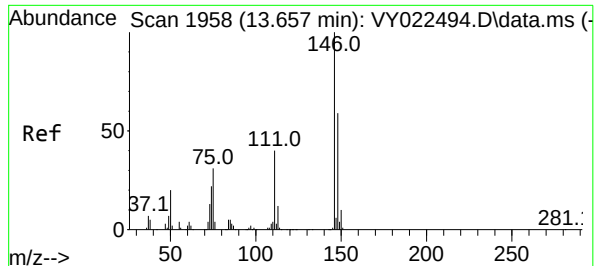
Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

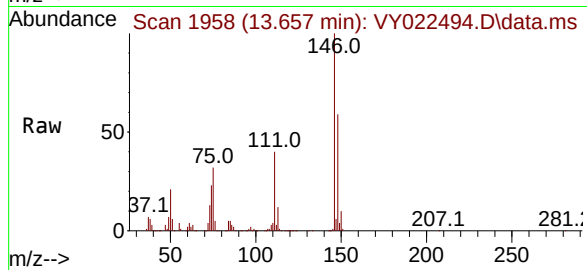
Tgt Ion:	117	Resp:	99901
Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.0	102.0





#91
1,2-Dichlorobenzene
Concen: 51.528 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

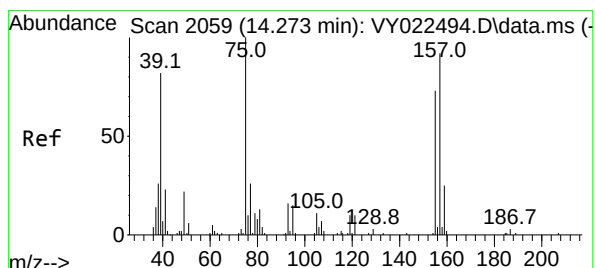
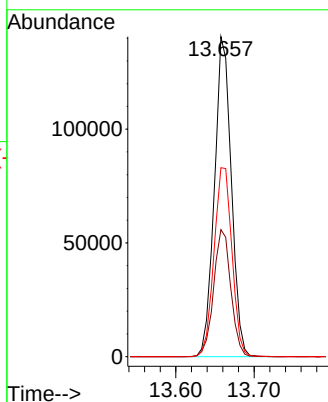
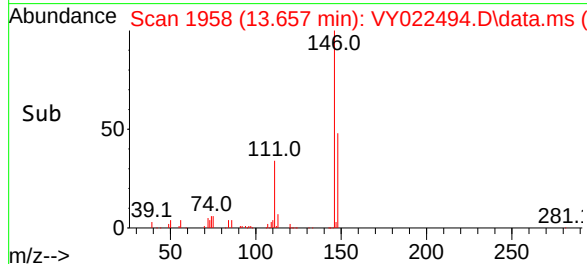
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:146 Resp: 211065
Ion Ratio Lower Upper
146 100
111 40.4 20.2 60.6
148 62.7 31.4 94.0

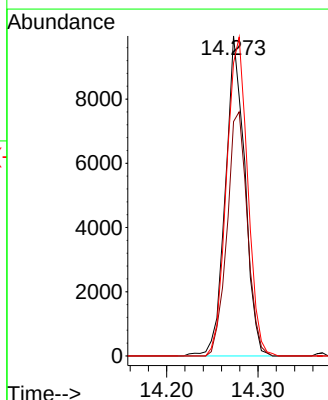
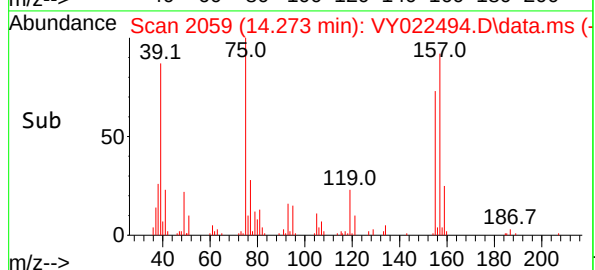
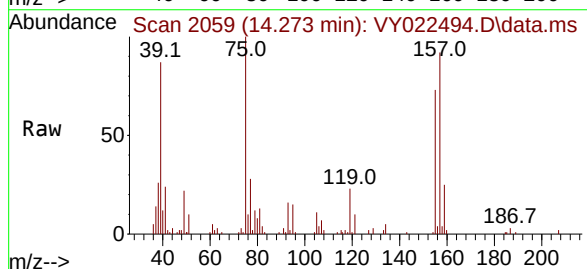
Manual Integrations
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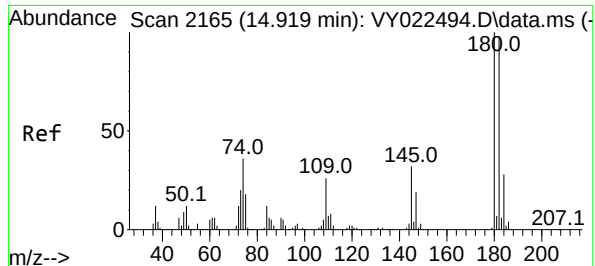
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 53.244 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 14697
Ion Ratio Lower Upper
75 100
155 79.7 39.9 119.6
157 108.0 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 50.919 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

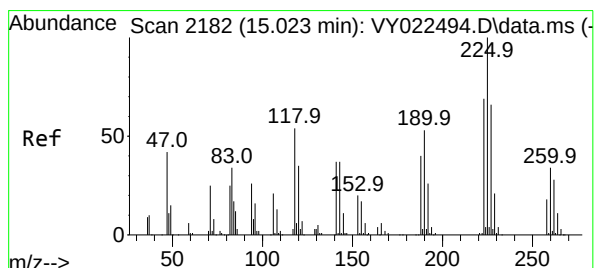
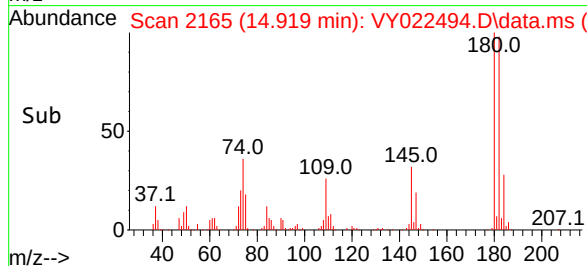
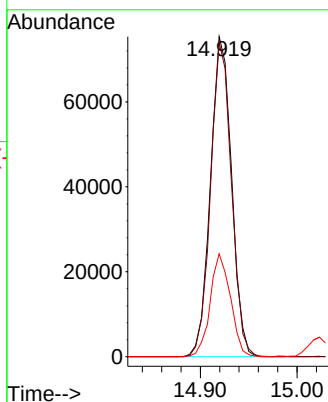
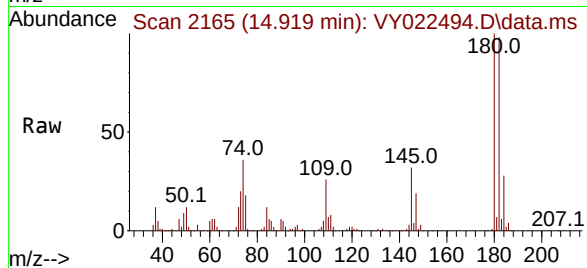
VSTDICCC050

Tgt Ion:180	Resp: 11400
Ion Ratio	Lower Upper
180 100	
182 96.9	48.4 145.3
145 31.0	15.5 46.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#94

Hexachlorobutadiene

Concen: 51.054 ug/l

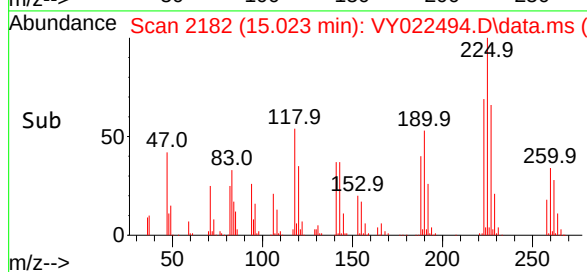
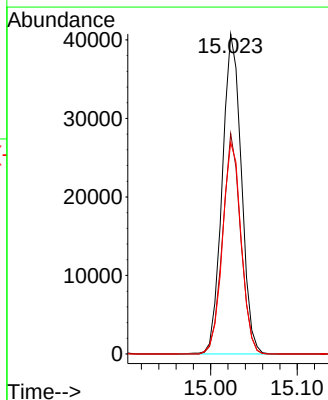
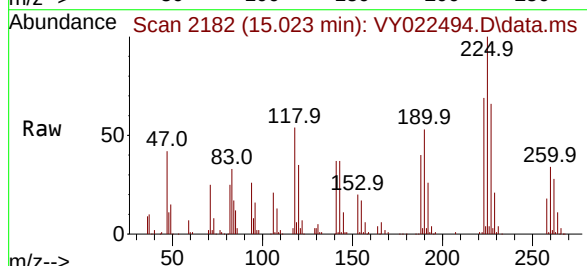
RT: 15.023 min Scan# 2182

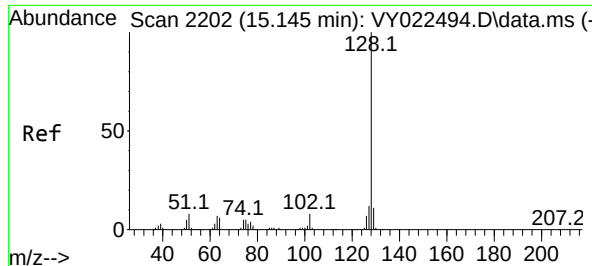
Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

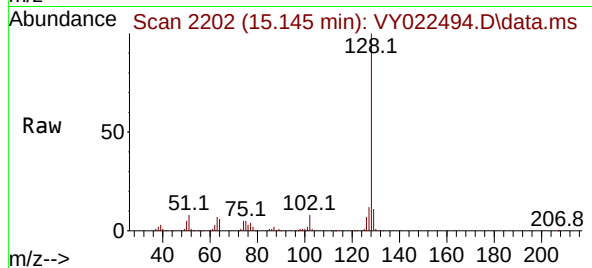
Tgt Ion:225	Resp: 62434
Ion Ratio	Lower Upper
225 100	
223 64.9	32.5 97.4
227 64.6	32.3 96.9





#95
Naphthalene
Concen: 52.686 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

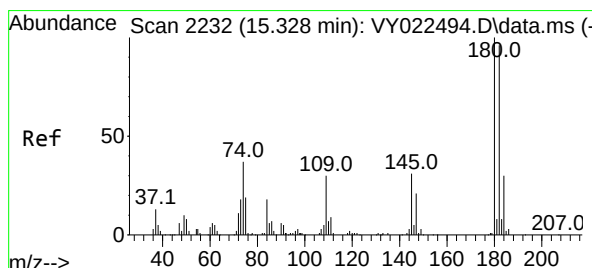
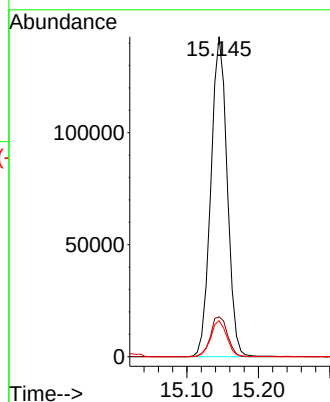
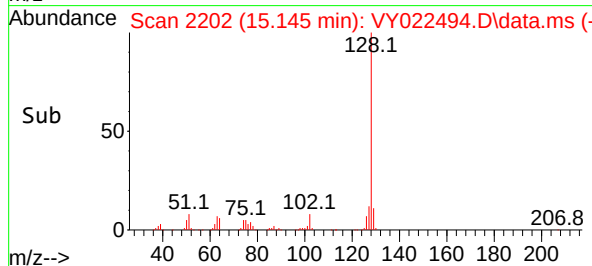
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 226073
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.1 8.9 13.3

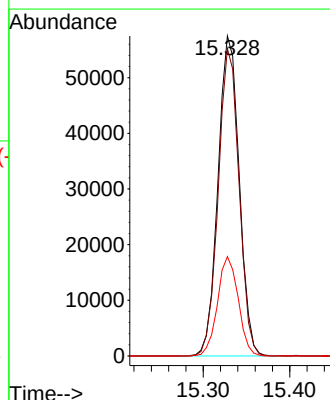
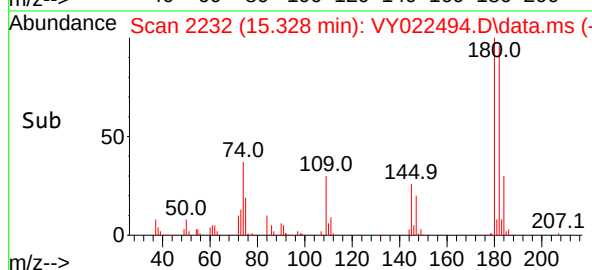
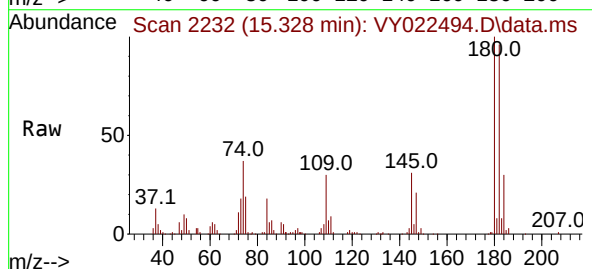
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.295 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:180 Resp: 97609
Ion Ratio Lower Upper
180 100
182 94.2 47.1 141.3
145 30.4 15.2 45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022495.D
 Acq On : 02 Jun 2025 13:17
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

06/03/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Jun 03 02:56:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	220566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	362519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150217	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	243724	101.553	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 203.100%#	
35) Dibromofluoromethane	7.634	113	222443	104.234	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 208.460%#	
50) Toluene-d8	10.109	98	908424	105.318	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 210.640%#	
62) 4-Bromofluorobenzene	12.407	95	270310	103.359	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 206.720%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	175145	90.872	ug/l	97
3) Chloromethane	2.068	50	519859	91.429	ug/l	99
4) Vinyl Chloride	2.202	62	636843	95.695	ug/l	100
5) Bromomethane	2.592	94	591589	93.980	ug/l	99
6) Chloroethane	2.732	64	414935	91.070	ug/l	96
7) Trichlorofluoromethane	3.049	101	539323	95.384	ug/l	97
8) Diethyl Ether	3.458	74	122923	98.428	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.817	101	230240	97.074	ug/l	99
10) Methyl Iodide	4.006	142	278576	109.525	ug/l	99
11) Tert butyl alcohol	4.878	59	83900	489.395	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	224855	99.317	ug/l	97
13) Acrolein	3.653	56	109392	522.746	ug/l	100
14) Allyl chloride	4.390	41	354774	100.560	ug/l	98
15) Acrylonitrile	5.067	53	269411	507.168	ug/l	100
16) Acetone	3.872	43	231202	487.310	ug/l	100
17) Carbon Disulfide	4.110	76	722508	99.952	ug/l	99
18) Methyl Acetate	4.390	43	132608	92.907	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	632873	100.187	ug/l	99
20) Methylene Chloride	4.622	84	241903	91.318	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	253184	100.103	ug/l	95
22) Diisopropyl ether	6.024	45	794164	101.232	ug/l	98
23) Vinyl Acetate	5.963	43	2424134	520.866	ug/l	99
24) 1,1-Dichloroethane	5.915	63	463641	99.980	ug/l	99
25) 2-Butanone	6.896	43	358881	512.798	ug/l	99
26) 2,2-Dichloropropane	6.890	77	420323	101.961	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	294837	100.858	ug/l	98
28) Bromochloromethane	7.250	49	206906	103.263	ug/l	100
29) Tetrahydrofuran	7.268	42	226299	501.243	ug/l	99
30) Chloroform	7.426	83	459957	100.373	ug/l	96
31) Cyclohexane	7.707	56	428074	91.723	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	419389	102.410	ug/l	99
36) 1,1-Dichloropropene	7.841	75	355563	103.070	ug/l	99
37) Ethyl Acetate	6.988	43	159922	105.336	ug/l	98
38) Carbon Tetrachloride	7.823	117	368617	103.651	ug/l	96
39) Methylcyclohexane	9.109	83	481512	103.323	ug/l	99
40) Benzene	8.085	78	1052881	103.542	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022495.D
 Acq On : 02 Jun 2025 13:17
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

06/03/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Jun 03 02:56:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	97672m	99.893	ug/l	
42) 1,2-Dichloroethane	8.158	62	286305	103.504	ug/l	98
43) Isopropyl Acetate	8.201	43	344110	103.721	ug/l	98
44) Trichloroethene	8.865	130	253632	102.104	ug/l	100
45) 1,2-Dichloropropane	9.146	63	249363	102.865	ug/l	100
46) Dibromomethane	9.231	93	139349	102.605	ug/l	98
47) Bromodichloromethane	9.426	83	356025	103.321	ug/l	99
48) Methyl methacrylate	9.225	41	163867	107.875	ug/l	99
49) 1,4-Dioxane	9.237	88	31675	1955.012	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	884897	537.390	ug/l	98
52) Toluene	10.170	92	676554	105.821	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	339647	106.548	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	394647	105.579	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	176386	103.130	ug/l	97
56) Ethyl methacrylate	10.438	69	270253	108.807	ug/l	99
57) 1,3-Dichloropropane	10.719	76	314882	103.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	631985	570.744	ug/l	99
59) 2-Hexanone	10.761	43	599356	546.025	ug/l	99
60) Dibromochloromethane	10.914	129	231582	106.862	ug/l	99
61) 1,2-Dibromoethane	11.017	107	162846	103.182	ug/l	97
64) Tetrachloroethene	10.645	164	260085	97.857	ug/l	98
65) Chlorobenzene	11.444	112	700365	103.277	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	241080	104.874	ug/l	99
67) Ethyl Benzene	11.517	91	1343424	106.379	ug/l	100
68) m/p-Xylenes	11.627	106	1027669	215.017	ug/l	99
69) o-Xylene	11.956	106	478106	106.884	ug/l	100
70) Styrene	11.968	104	807331	109.011	ug/l	99
71) Bromoform	12.133	173	129134	106.900	ug/l #	98
73) Isopropylbenzene	12.255	105	1251781	103.429	ug/l	100
74) N-amyl acetate	12.072	43	331256	108.232	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	201554	102.543	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	153645m	77.478	ug/l	
77) Bromobenzene	12.535	156	260522	101.560	ug/l	99
78) n-propylbenzene	12.596	91	1517453	103.002	ug/l	99
79) 2-Chlorotoluene	12.682	91	801096	102.984	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	983812	103.959	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	72518	104.845	ug/l	97
82) 4-Chlorotoluene	12.779	91	836500	103.758	ug/l	99
83) tert-Butylbenzene	12.999	119	886942	102.740	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	992770	104.854	ug/l	100
85) sec-Butylbenzene	13.175	105	1348209	103.006	ug/l	100
86) p-Isopropyltoluene	13.291	119	1148821	106.760	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	543396	105.879	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	503842	100.757	ug/l	98
89) n-Butylbenzene	13.621	91	1062595	103.713	ug/l	99
90) Hexachloroethane	13.883	117	213148	101.224	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	447574	101.511	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	29357	98.805	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	255752	106.117	ug/l	97
94) Hexachlorobutadiene	15.023	225	132452	100.622	ug/l	99
95) Naphthalene	15.145	128	499554	108.155	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	213300	104.136	ug/l	99

06/03/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025
Supervised By :Mahesh
Dadoda

06/03/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

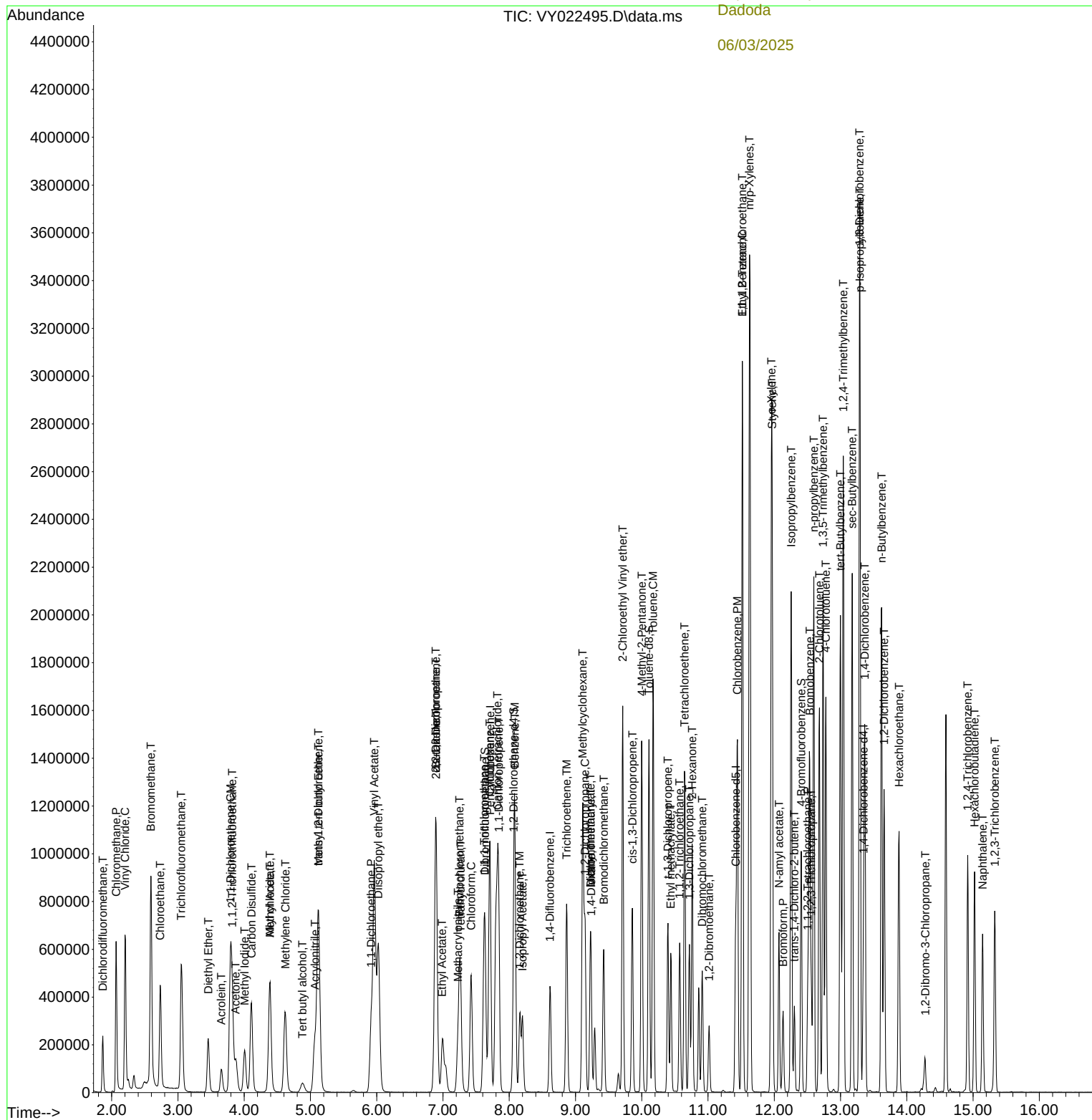
Manual Integrations APPROVED

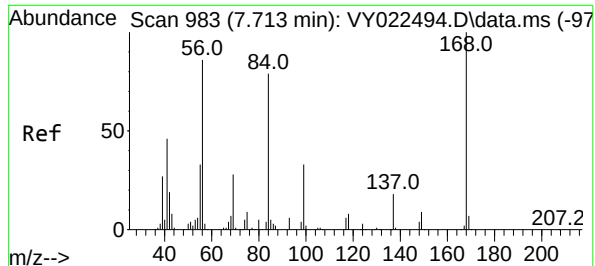
Reviewed By :Semsettin
Yesilyurt

06/03/2025
Supervised By :Mahesh
Dadoda

06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

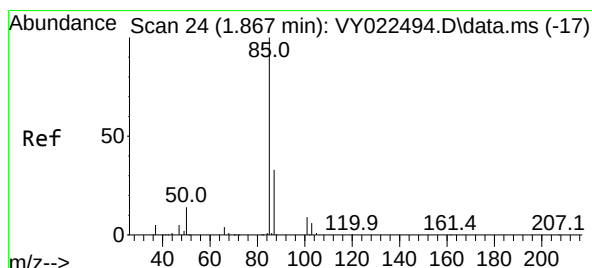
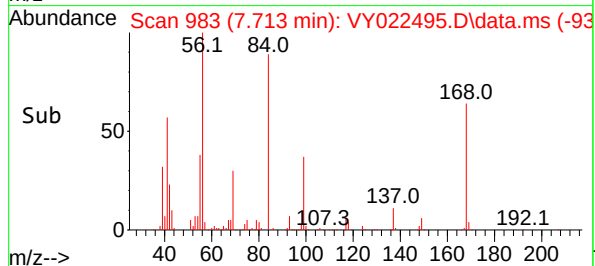
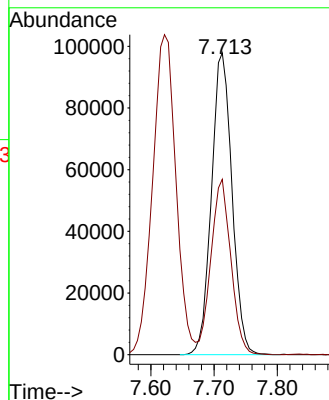
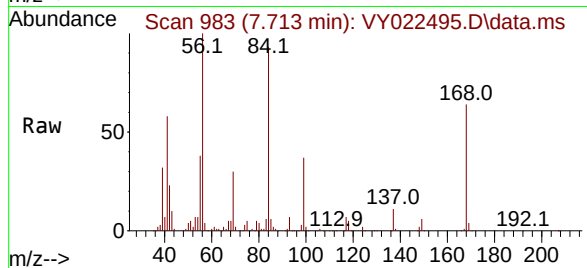
Tgt Ion:168 Resp: 220560
Ion Ratio Lower Upper
168 100
99 58.1 44.3 66.5

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

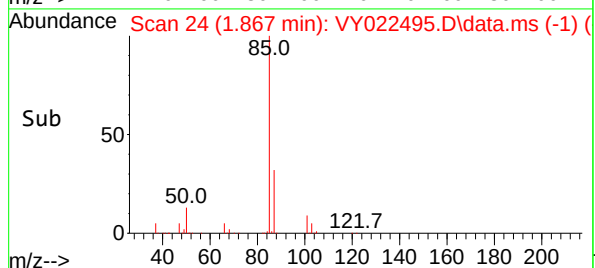
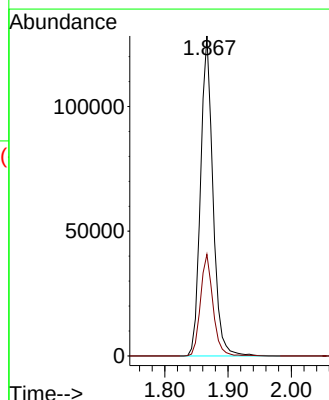
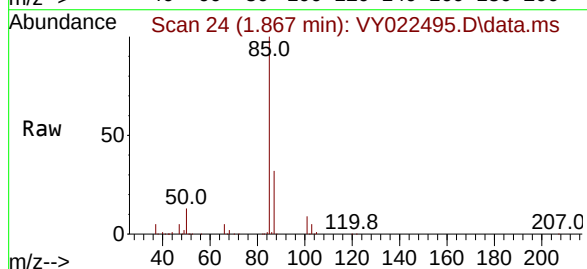
06/03/2025
Supervised By :Mahesh
Dadoda

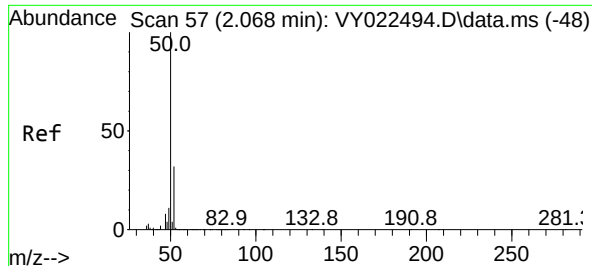
06/03/2025



#2
Dichlorodifluoromethane
Concen: 90.872 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

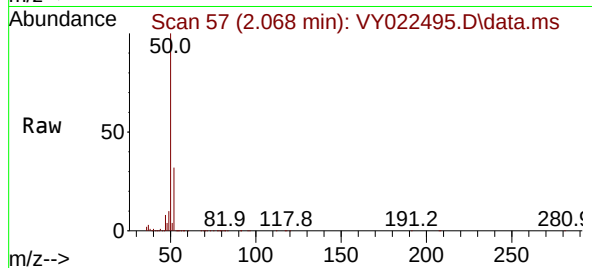
Tgt Ion: 85 Resp: 175145
Ion Ratio Lower Upper
85 100
87 31.8 16.7 50.0





#3
Chloromethane
Concen: 91.429 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



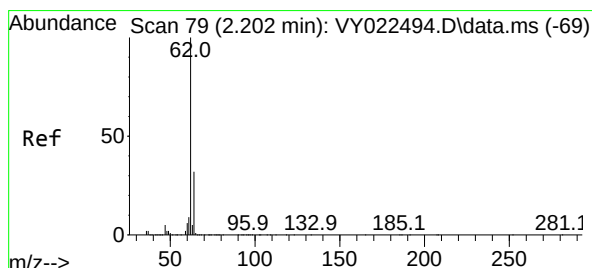
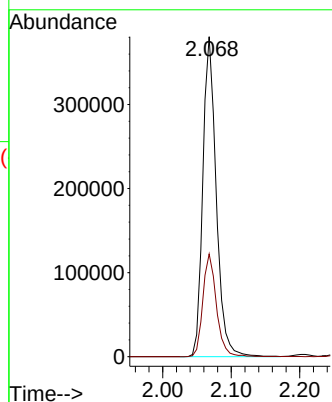
Tgt Ion: 50 Resp: 519859
Ion Ratio Lower Upper
50 100
52 32.1 26.0 39.0

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

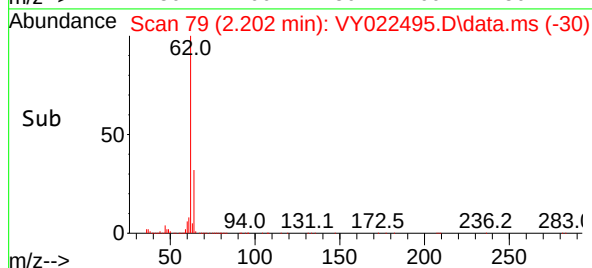
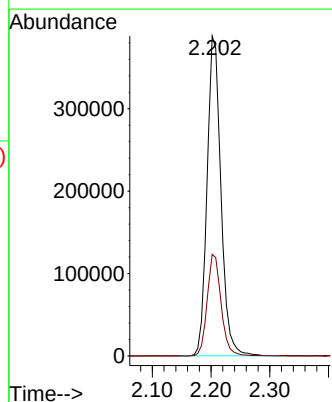
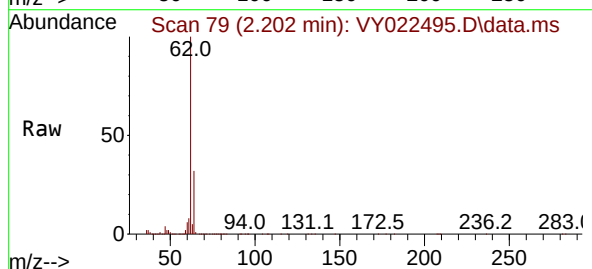
06/03/2025
Supervised By :Mahesh
Dadoda

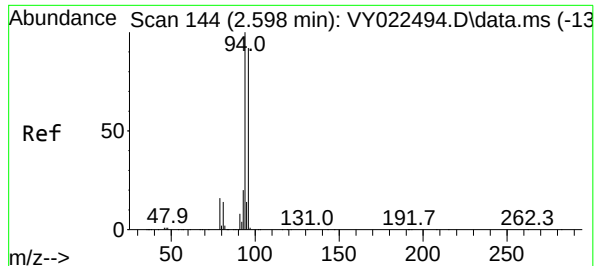
06/03/2025



#4
Vinyl Chloride
Concen: 95.695 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 636843
Ion Ratio Lower Upper
62 100
64 31.7 25.3 37.9





#5
Bromomethane
Concen: 93.980 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

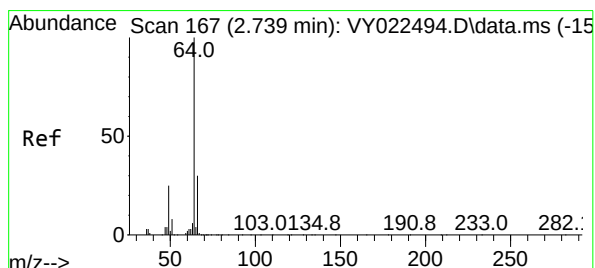
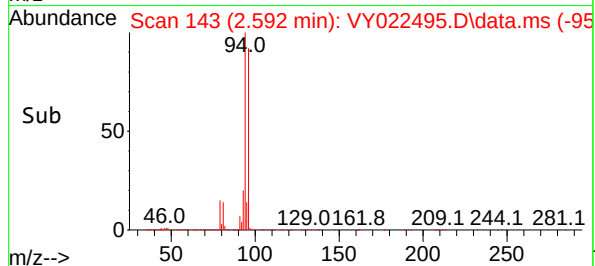
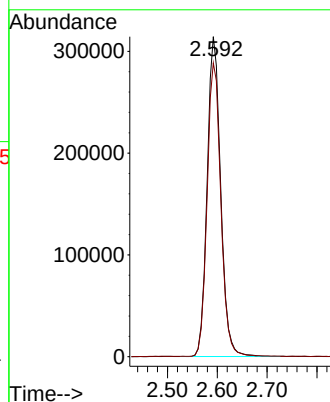
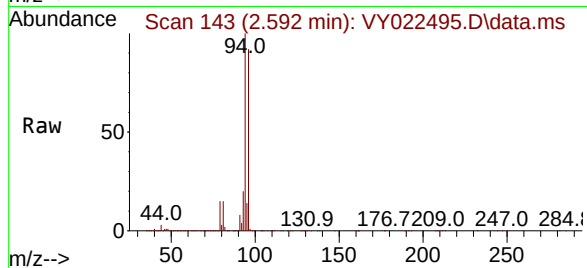
Tgt Ion: 94 Resp: 591589
Ion Ratio Lower Upper
94 100
96 91.7 74.0 111.0

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

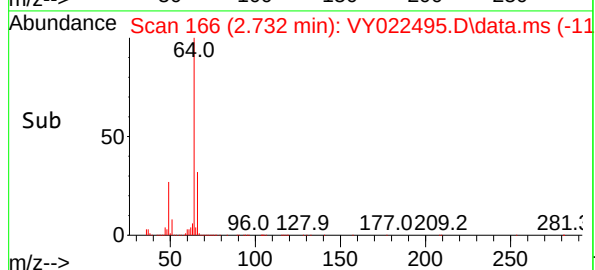
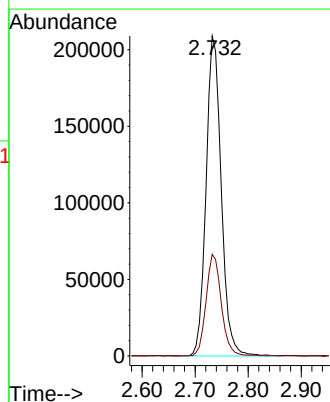
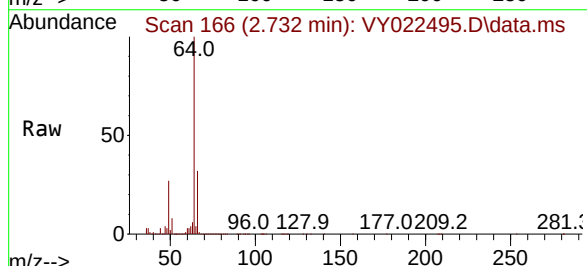
06/03/2025
Supervised By :Mahesh
Dadoda

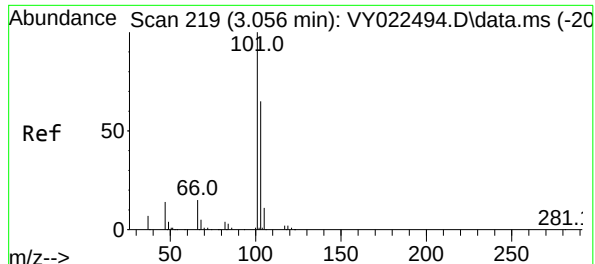
06/03/2025



#6
Chloroethane
Concen: 91.070 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

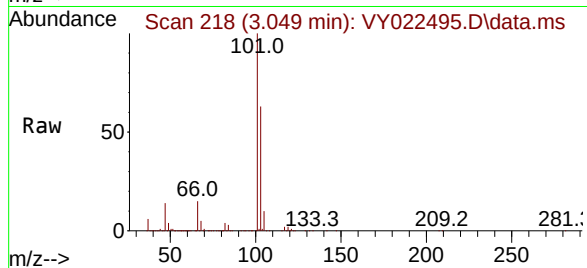
Tgt Ion: 64 Resp: 414935
Ion Ratio Lower Upper
64 100
66 31.7 23.8 35.6





#7
Trichlorofluoromethane
Concen: 95.384 ug/l
RT: 3.049 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



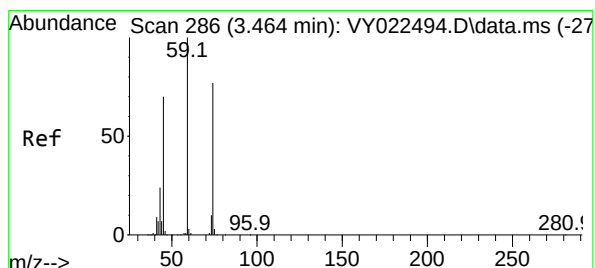
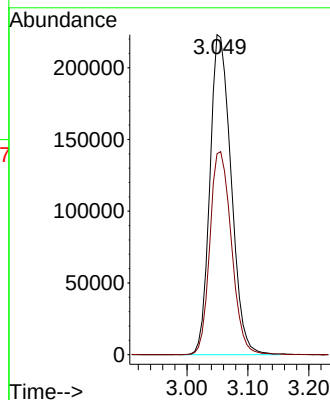
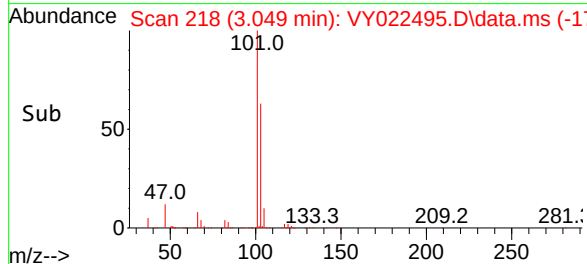
Tgt Ion:101 Resp: 53932
Ion Ratio Lower Upper
101 100
103 62.8 52.2 78.2

Manual Integrations
APPROVED

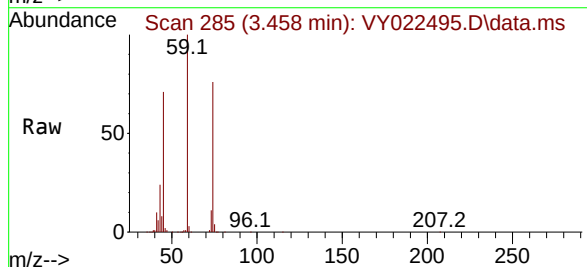
Reviewed By :Semsettin
Yesilyurt

06/03/2025
Supervised By :Mahesh
Dadoda

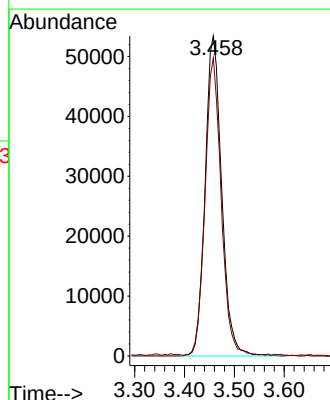
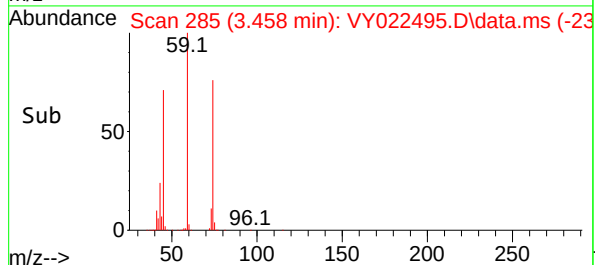
06/03/2025

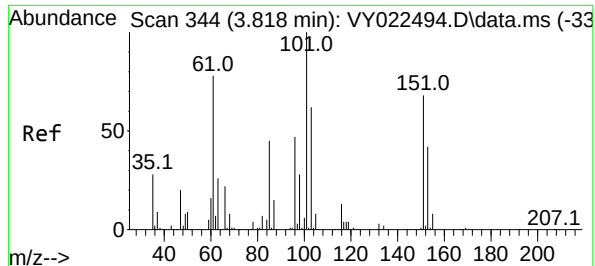


#8
Diethyl Ether
Concen: 98.428 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17



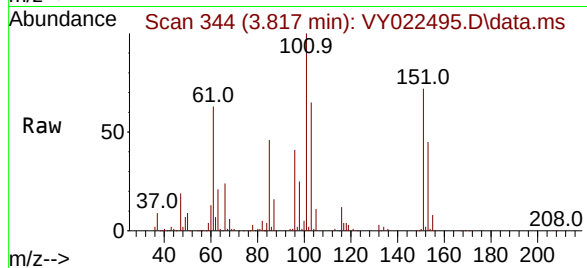
Tgt Ion: 74 Resp: 122923
Ion Ratio Lower Upper
74 100
45 90.6 45.9 137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.074 ug/l
RT: 3.817 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



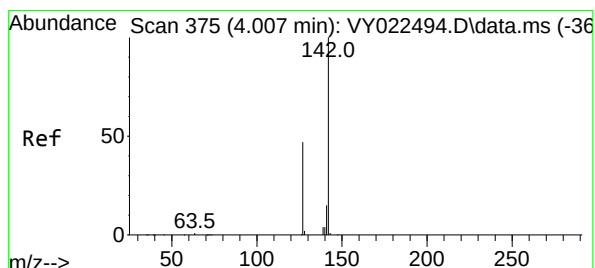
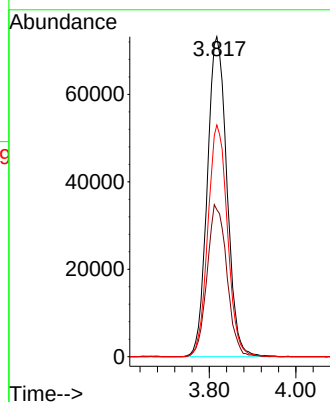
Tgt Ion:101 Resp: 230240
Ion Ratio Lower Upper
101 100
85 48.1 39.3 58.9
151 72.4 57.8 86.8

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

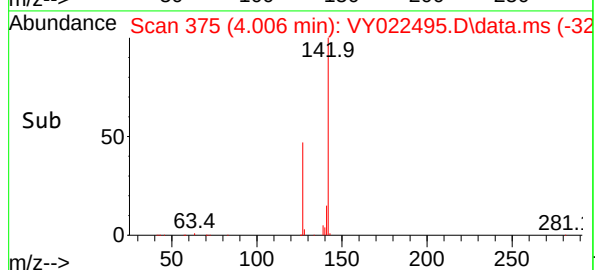
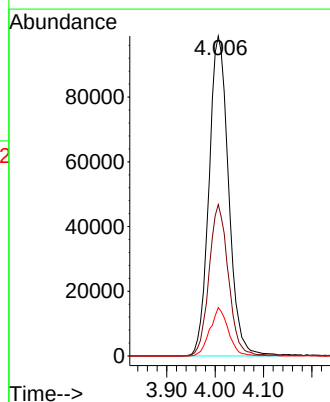
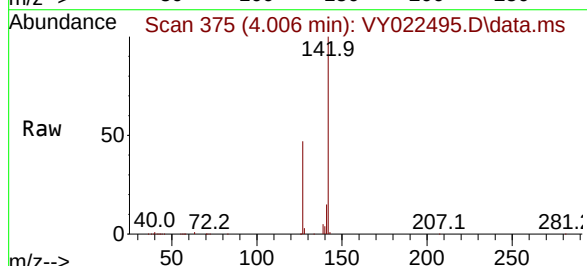
06/03/2025
Supervised By :Mahesh
Dadoda

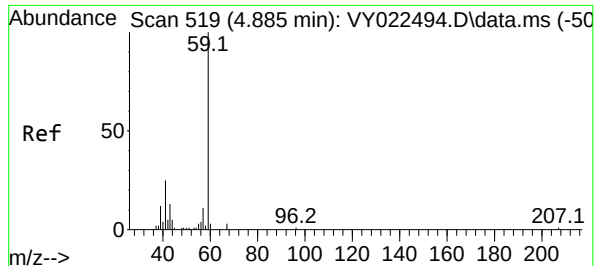
06/03/2025



#10
Methyl Iodide
Concen: 109.525 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:142 Resp: 278576
Ion Ratio Lower Upper
142 100
127 47.0 37.1 55.7
141 14.2 11.4 17.2





#11

Tert butyl alcohol

Concen: 489.395 ug/l

RT: 4.878 min Scan# 519

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 83900

Ion Ratio Lower Upper

59 100

57 5.4 8.0 12.0

Manual Integrations

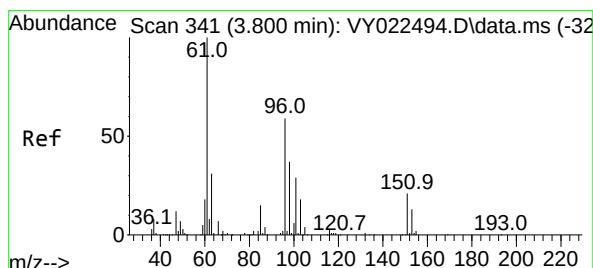
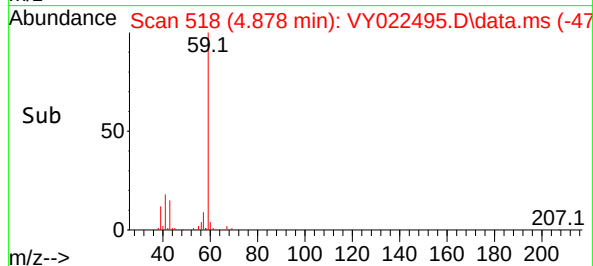
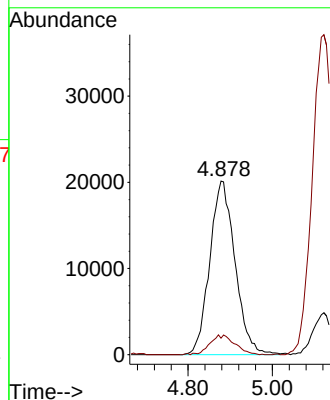
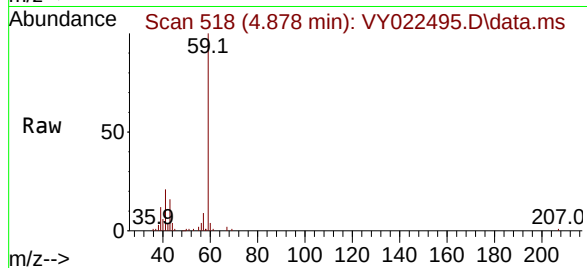
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#12

1,1-Dichloroethene

Concen: 99.317 ug/l

RT: 3.793 min Scan# 340

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

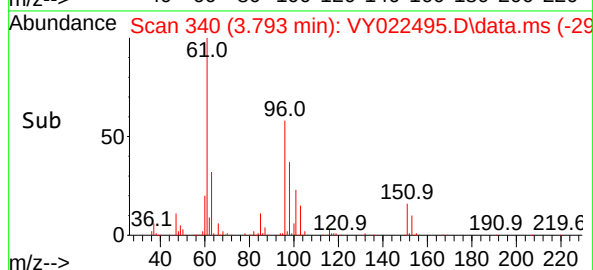
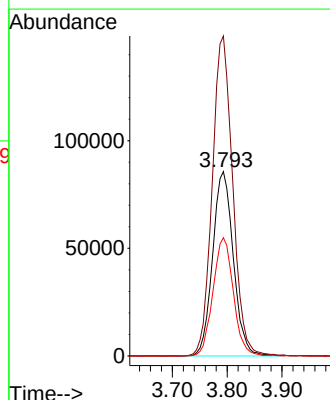
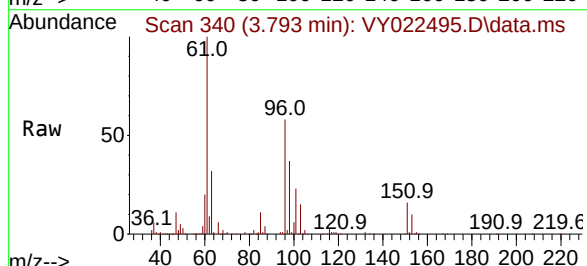
Tgt Ion: 96 Resp: 224855

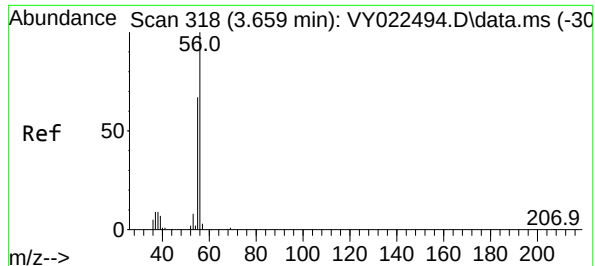
Ion Ratio Lower Upper

96 100

61 173.6 134.6 201.8

98 64.1 50.2 75.4





#13

Acrolein

Concen: 522.746 ug/l

RT: 3.653 min Scan# 318

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 109392

Ion Ratio Lower Upper

56 100

55 71.1 57.0 85.6

Manual Integrations

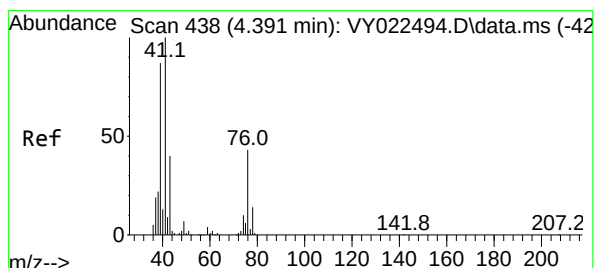
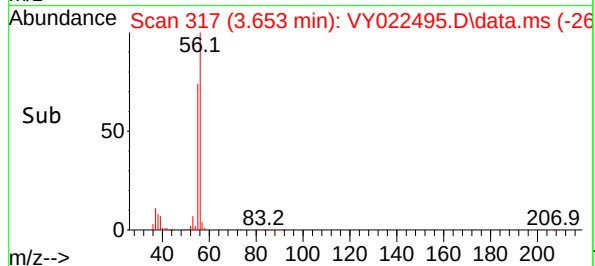
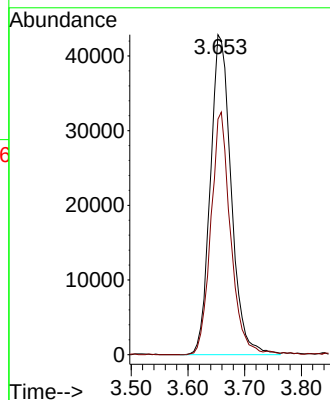
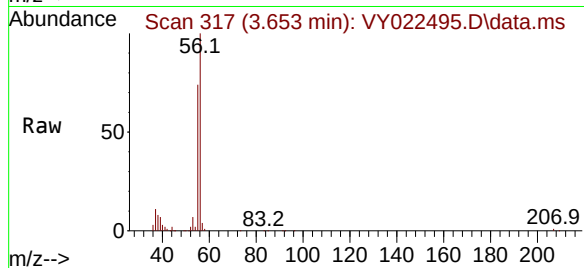
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#14

Allyl chloride

Concen: 100.560 ug/l

RT: 4.390 min Scan# 438

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

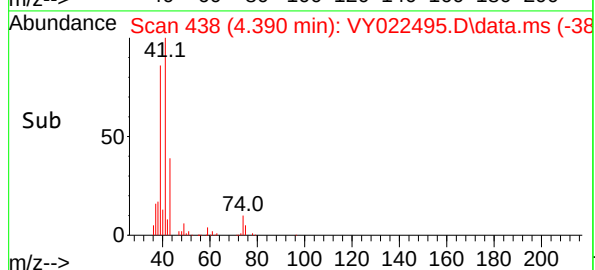
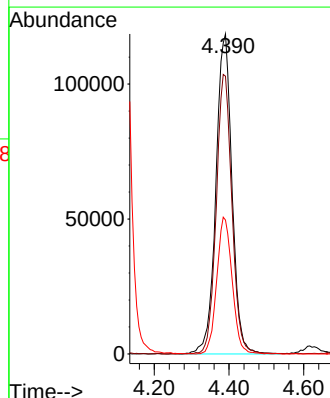
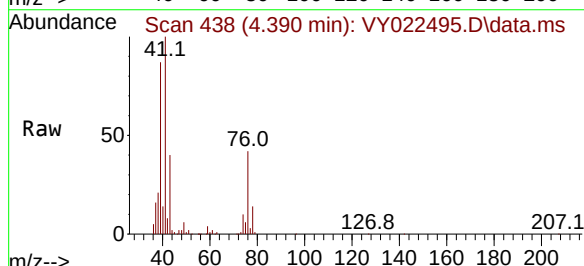
Tgt Ion: 41 Resp: 354774

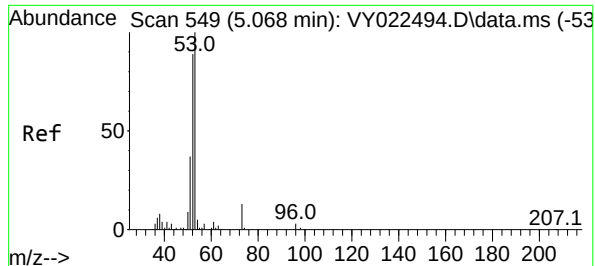
Ion Ratio Lower Upper

41 100

39 85.0 69.1 103.7

76 40.8 33.5 50.3





#15

Acrylonitrile

Concen: 507.168 ug/l

RT: 5.067 min Scan# 54

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 26941

Ion Ratio Lower Upper

53 100

52 82.3 65.7 98.5

51 37.8 30.1 45.1

Manual Integrations

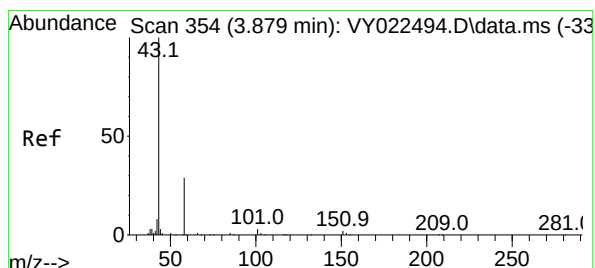
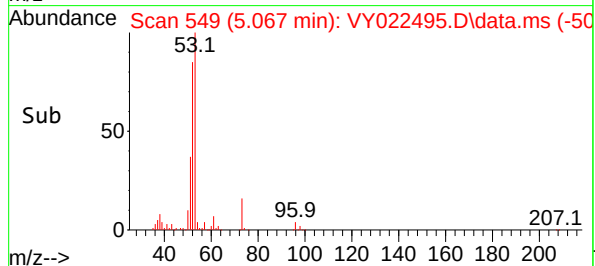
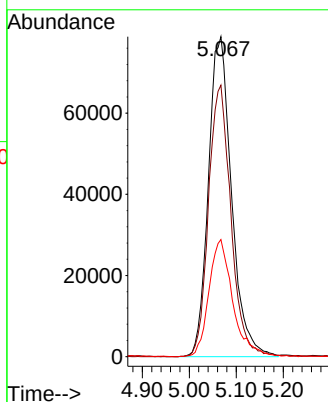
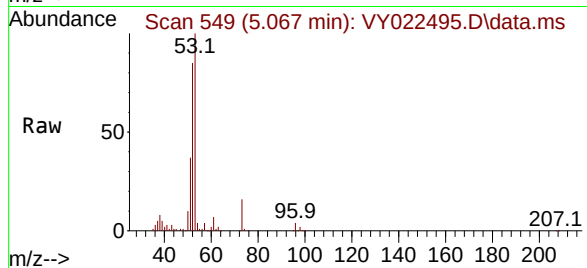
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#16

Acetone

Concen: 487.310 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY022495.D

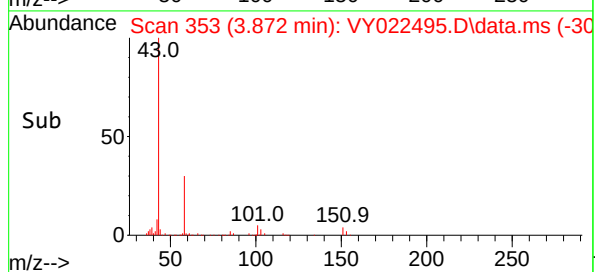
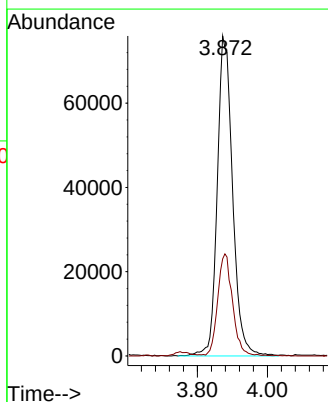
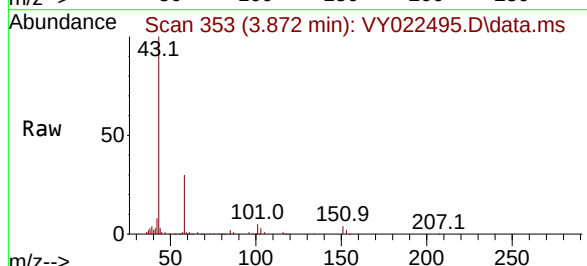
Acq: 02 Jun 2025 13:17

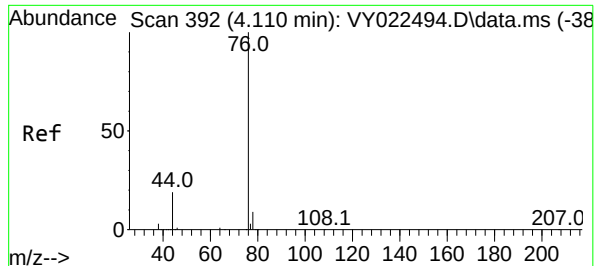
Tgt Ion: 43 Resp: 231202

Ion Ratio Lower Upper

43 100

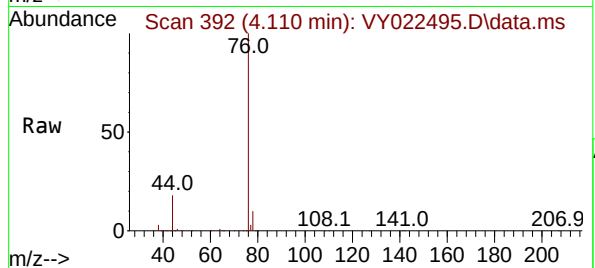
58 30.2 24.0 36.0





#17
Carbon Disulfide
Concen: 99.952 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



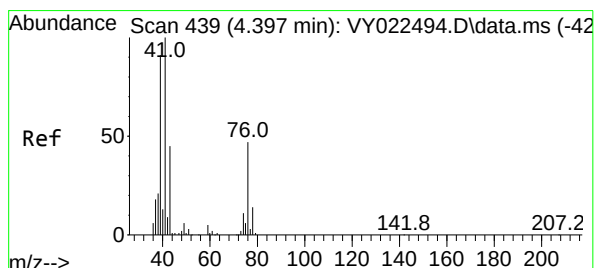
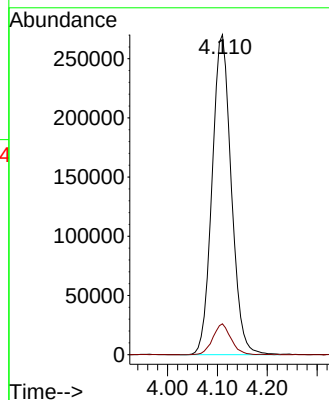
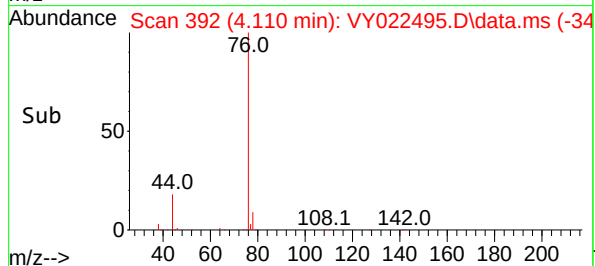
Tgt Ion: 76 Resp: 722508
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2

Manual Integrations
APPROVED

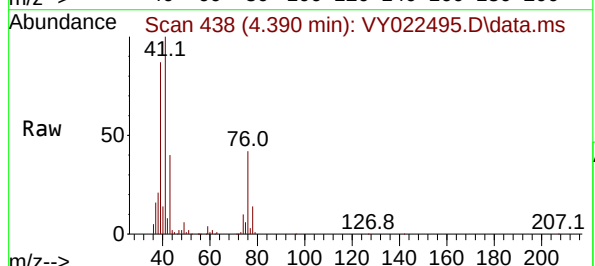
Reviewed By :Semsettin
Yesilyurt

06/03/2025
Supervised By :Mahesh
Dadoda

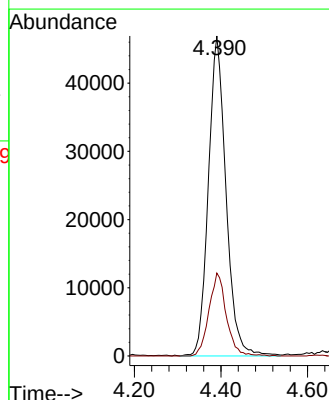
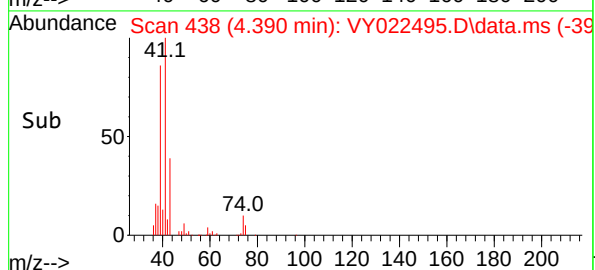
06/03/2025

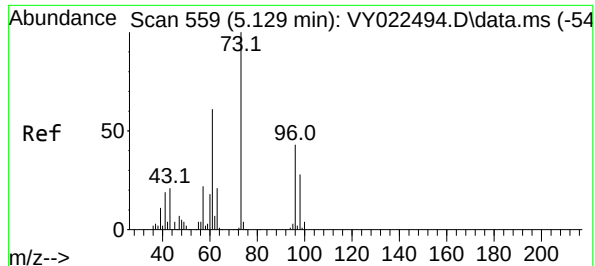


#18
Methyl Acetate
Concen: 92.907 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17



Tgt Ion: 43 Resp: 132608
Ion Ratio Lower Upper
43 100
74 25.5 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 100.187 ug/l

RT: 5.122 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 63287

Ion Ratio Lower Upper

73 100

57 21.3 17.4 26.0

Manual Integrations

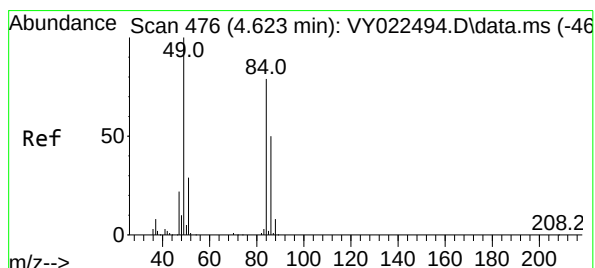
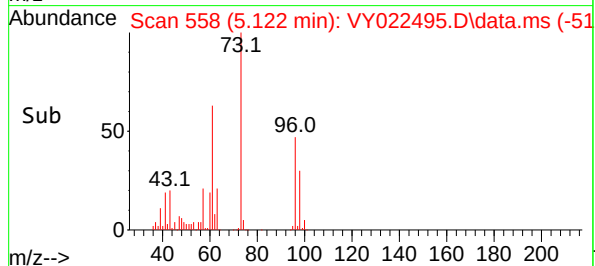
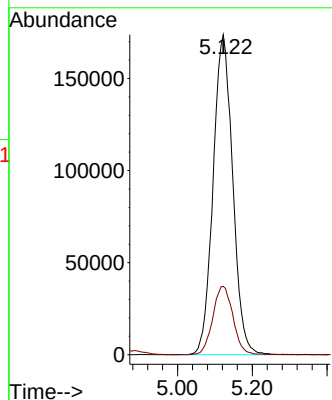
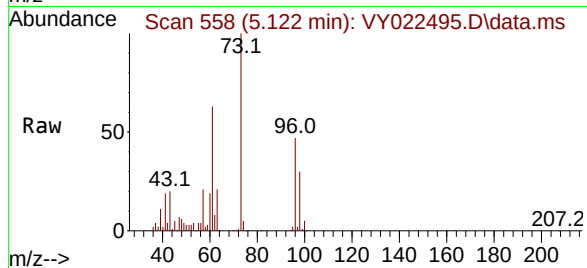
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#20

Methylene Chloride

Concen: 91.318 ug/l

RT: 4.622 min Scan# 476

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion: 84 Resp: 241903

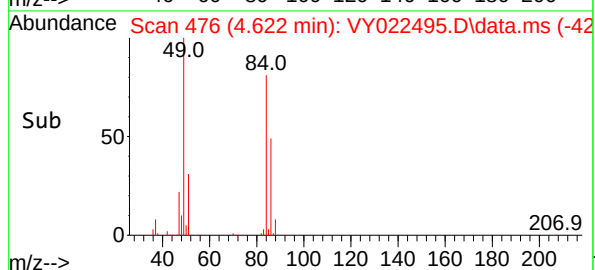
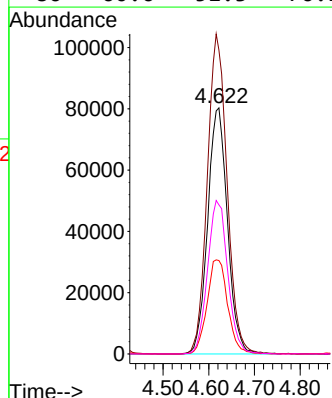
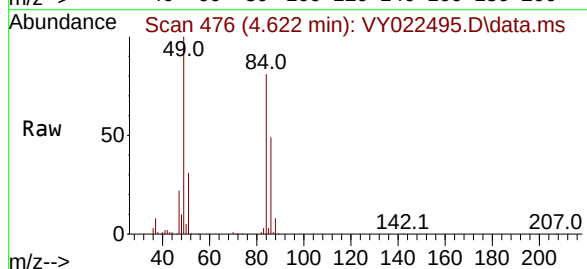
Ion Ratio Lower Upper

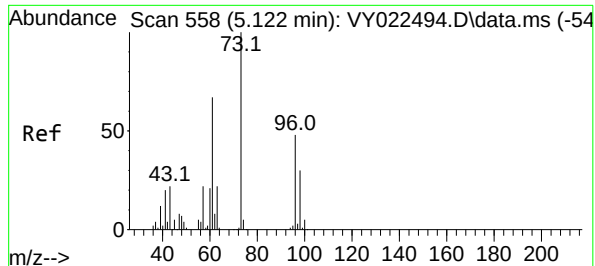
84 100

49 123.5 101.9 152.9

51 38.0 29.8 44.8

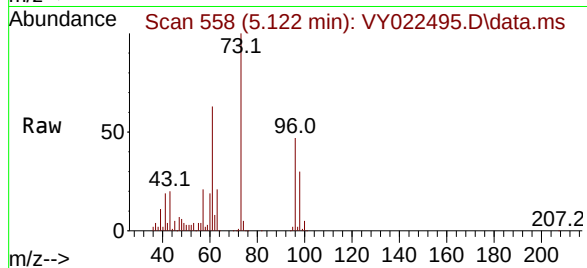
86 60.6 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 100.103 ug/l
RT: 5.122 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



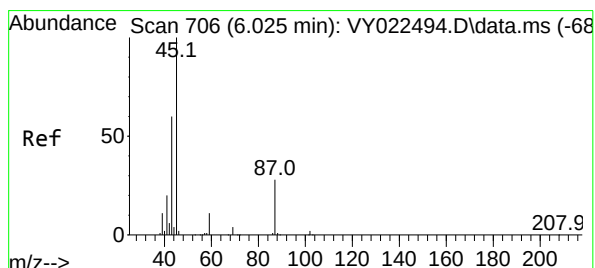
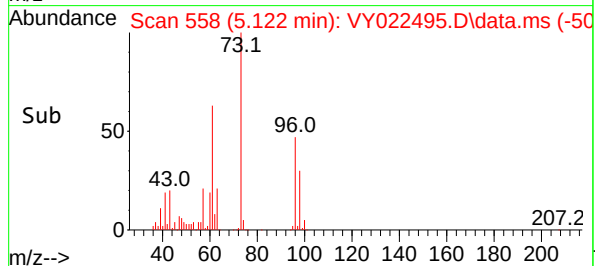
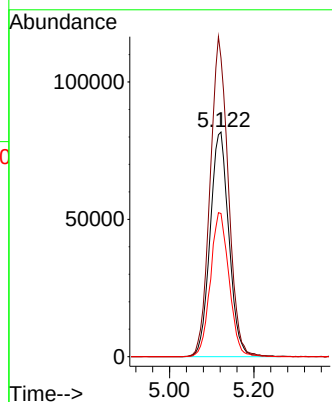
Tgt Ion: 96 Resp: 253184
Ion Ratio Lower Upper
96 100
61 132.9 112.6 169.0
98 63.7 50.6 75.8

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

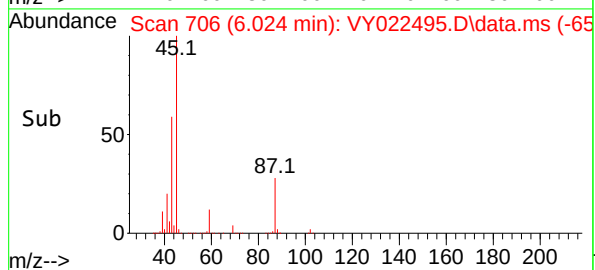
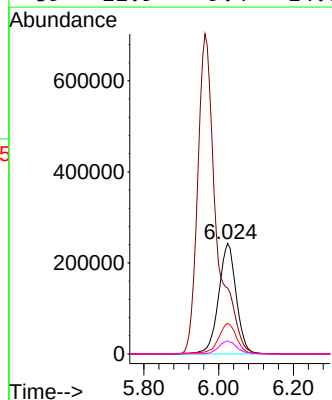
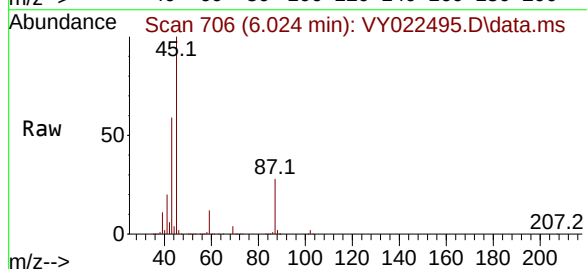
06/03/2025
Supervised By :Mahesh
Dadoda

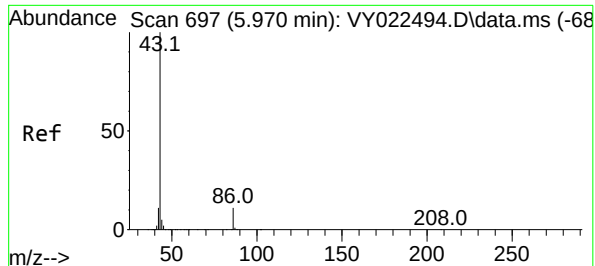
06/03/2025



#22
Diisopropyl ether
Concen: 101.232 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 45 Resp: 794164
Ion Ratio Lower Upper
45 100
43 59.3 48.3 72.5
87 27.6 23.0 34.6
59 11.9 9.4 14.0





#23

Vinyl Acetate

Concen: 520.866 ug/l

RT: 5.963 min Scan# 697

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 2424134

Ion Ratio Lower Upper

43

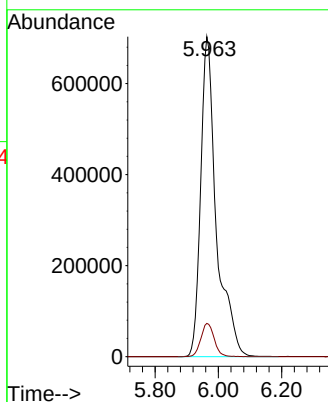
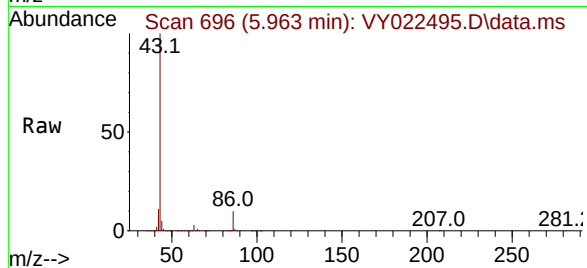
100

86

10.4

8.6

12.8



Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Manual Integrations

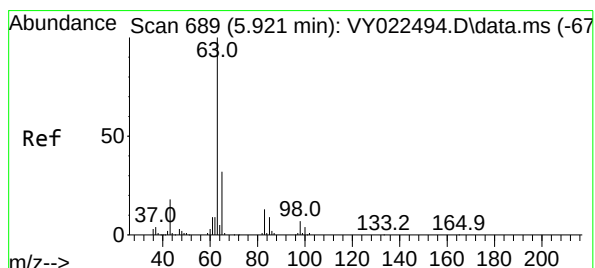
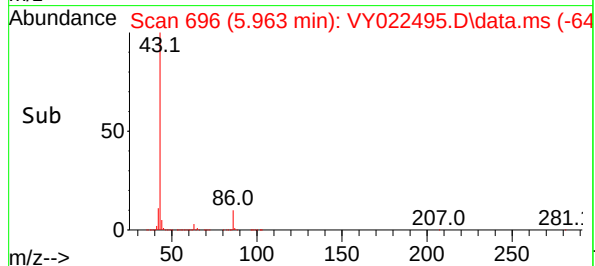
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#24

1,1-Dichloroethane

Concen: 99.980 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 463641

Ion Ratio Lower Upper

63

100

98

6.5

3.4

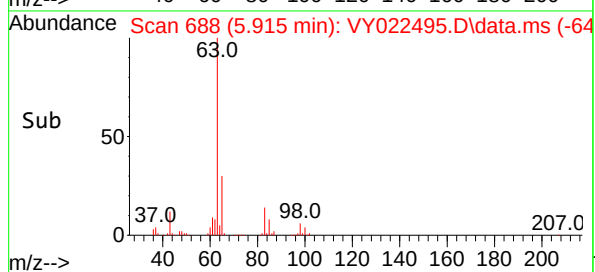
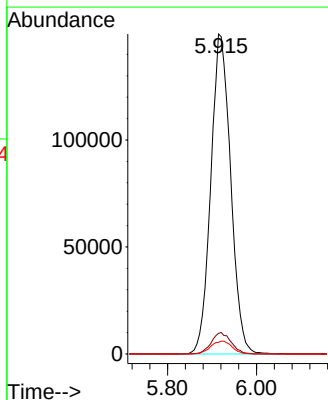
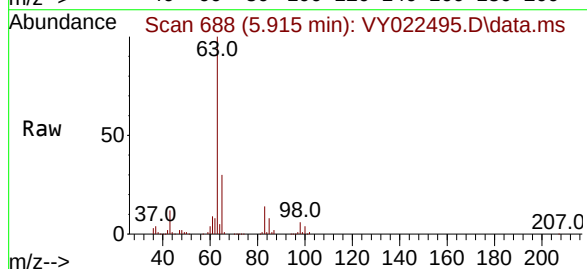
10.1

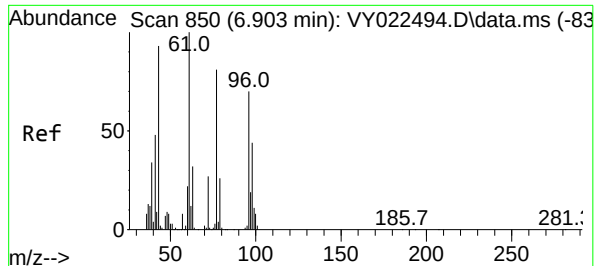
100

3.7

2.1

6.3





#25

2-Butanone

Concen: 512.798 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 35888

Ion Ratio Lower Upper

43 100

72 28.3 22.9 34.3

Manual Integrations

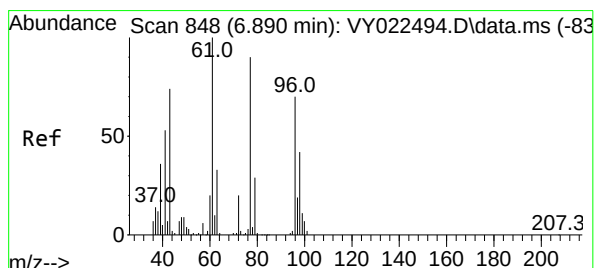
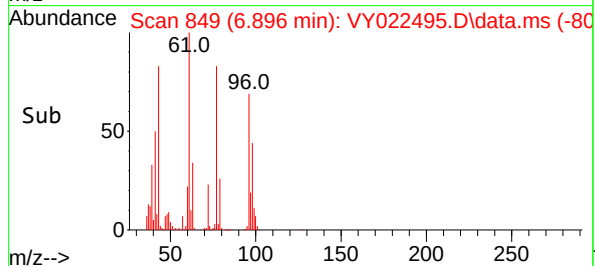
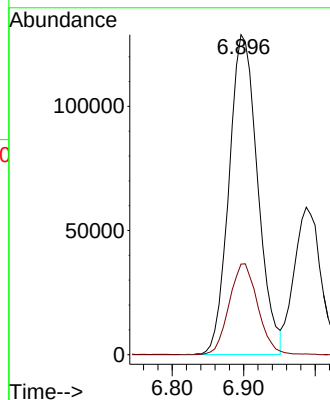
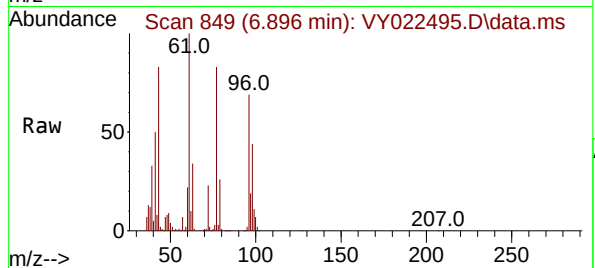
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#26

2,2-Dichloropropane

Concen: 101.961 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022495.D

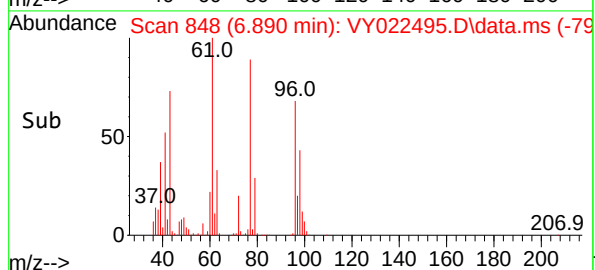
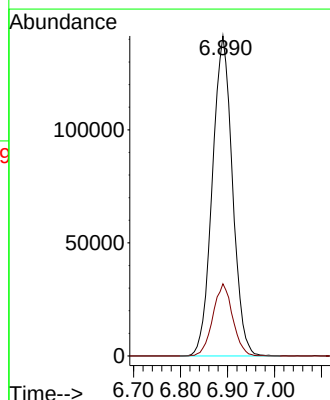
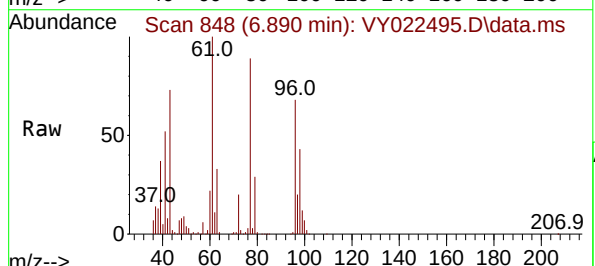
Acq: 02 Jun 2025 13:17

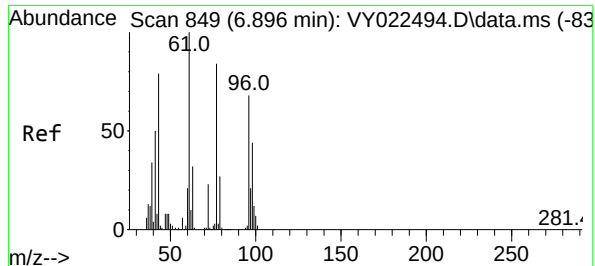
Tgt Ion: 77 Resp: 420323

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 100.858 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 29483

Ion Ratio Lower Upper

96 100

61 149.1 0.0 290.0

98 64.1 0.0 128.4

Manual Integrations

APPROVED

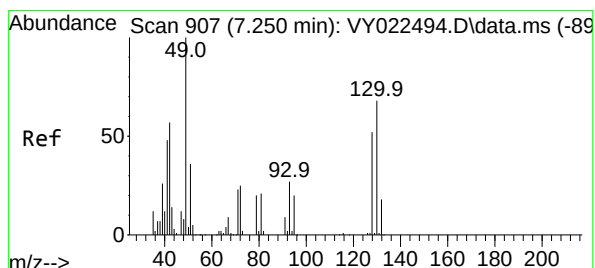
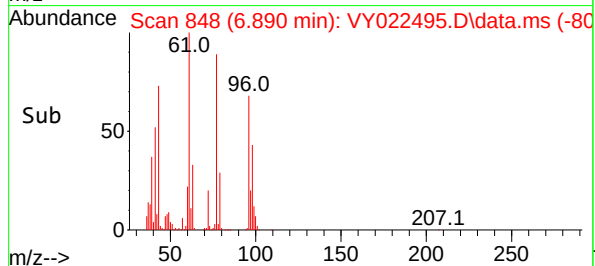
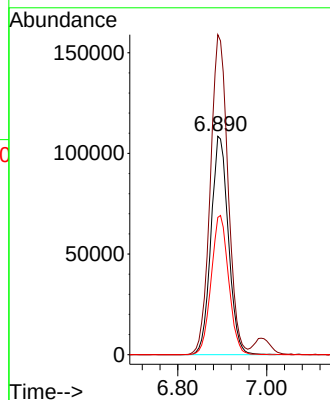
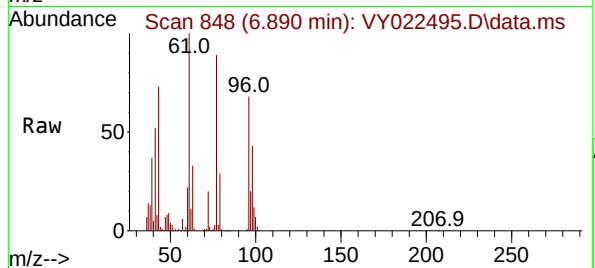
Reviewed By :Semsettin

Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#28

Bromochloromethane

Concen: 103.263 ug/l

RT: 7.250 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

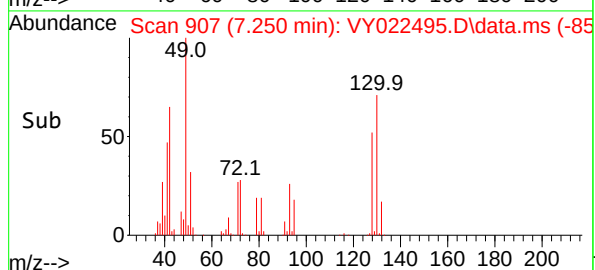
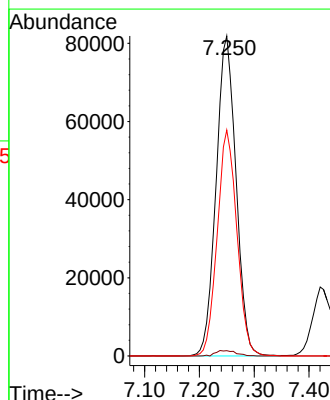
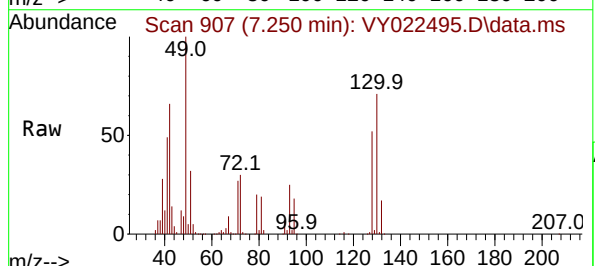
Tgt Ion: 49 Resp: 206906

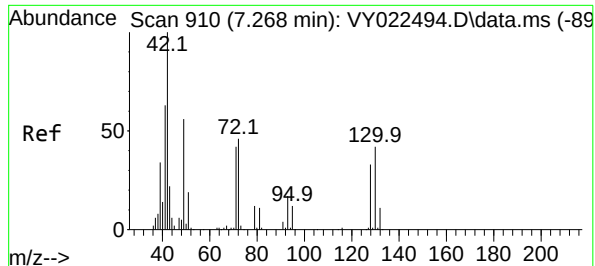
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

130 69.7 55.7 83.5





#29

Tetrahydrofuran

Concen: 501.243 ug/l

RT: 7.268 min Scan# 910

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:	42	Resp:	226299
Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.2
71	44.1	34.2	51.2

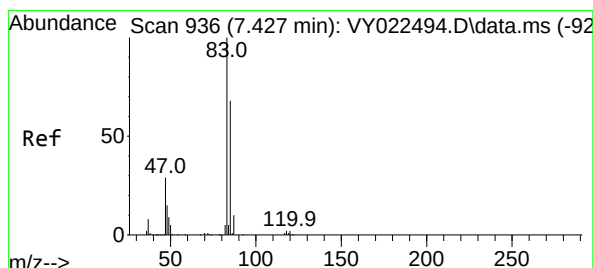
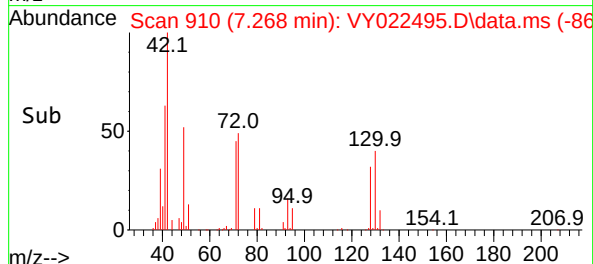
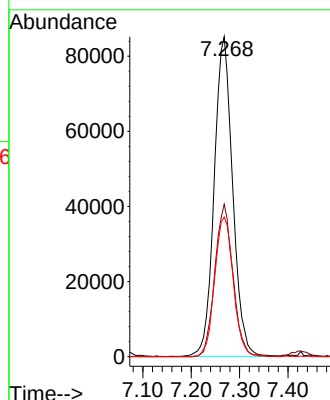
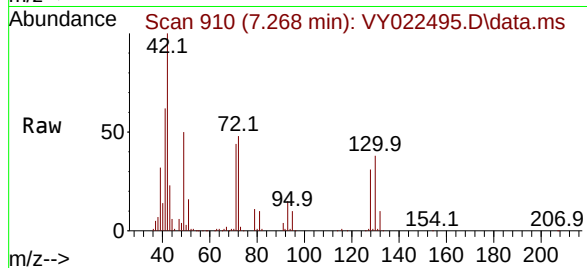
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#30

Chloroform

Concen: 100.373 ug/l

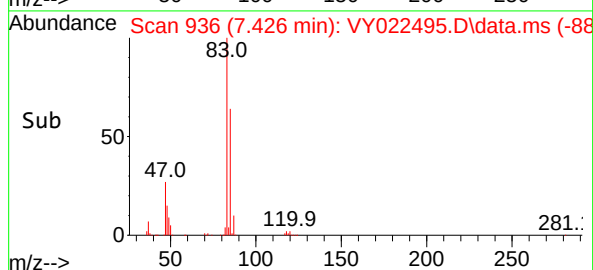
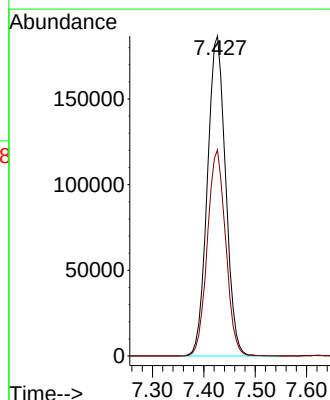
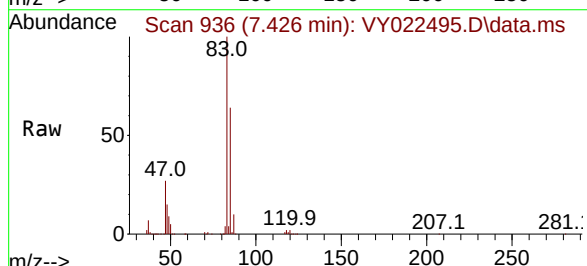
RT: 7.426 min Scan# 936

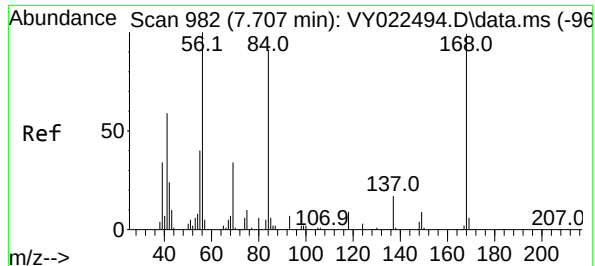
Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion:	83	Resp:	459957
Ion	Ratio	Lower	Upper
83	100		
85	64.4	54.2	81.4





#31

Cyclohexane

Concen: 91.723 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 428074

Ion Ratio Lower Upper

56 100

69 31.6 27.0 40.6

84 91.9 72.6 109.0

Manual Integrations

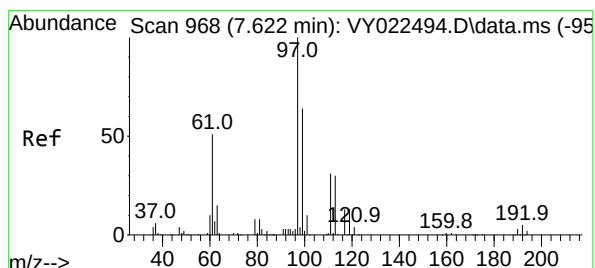
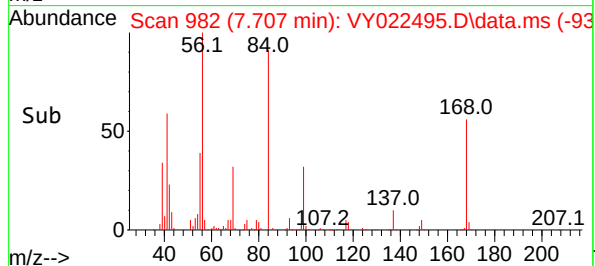
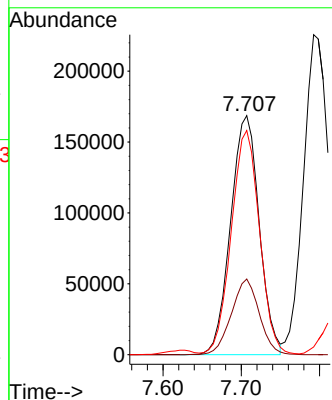
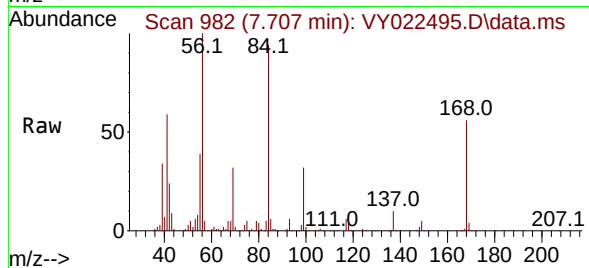
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#32

1,1,1-Trichloroethane

Concen: 102.410 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

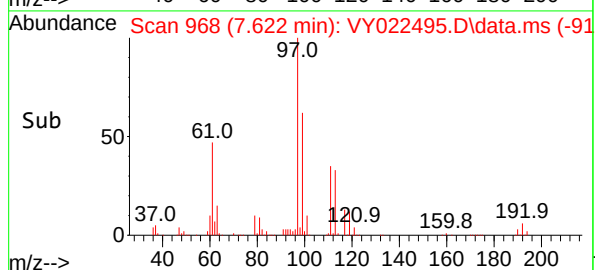
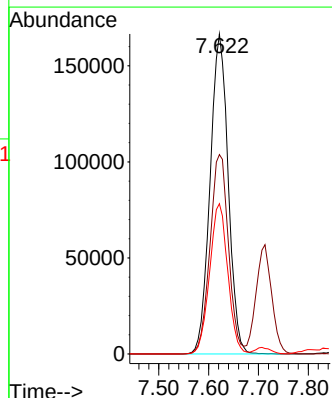
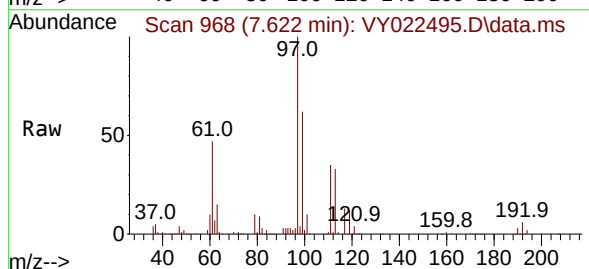
Tgt Ion: 97 Resp: 419389

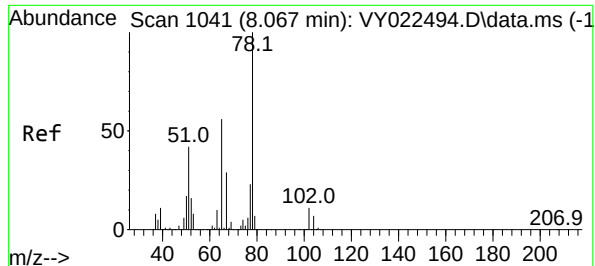
Ion Ratio Lower Upper

97 100

99 63.7 50.9 76.3

61 47.3 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 101.553 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 65 Resp: 243724

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4

Manual Integrations

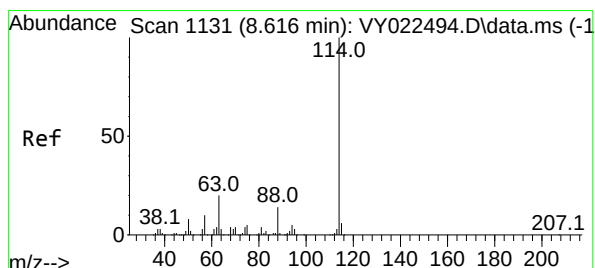
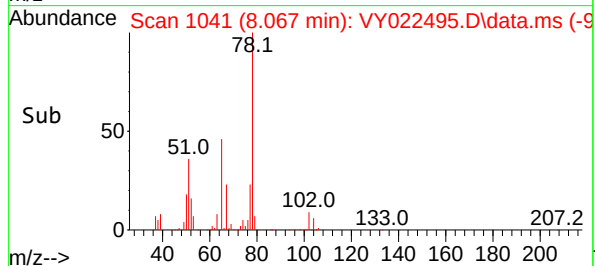
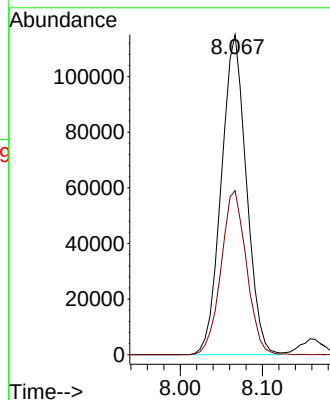
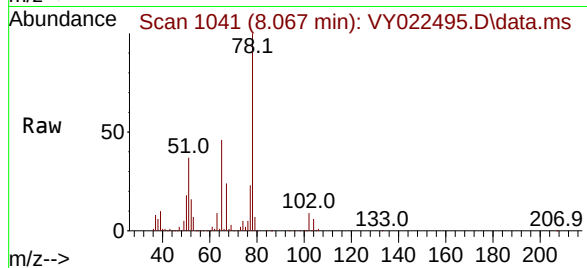
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

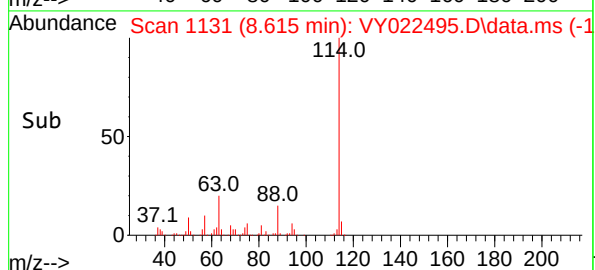
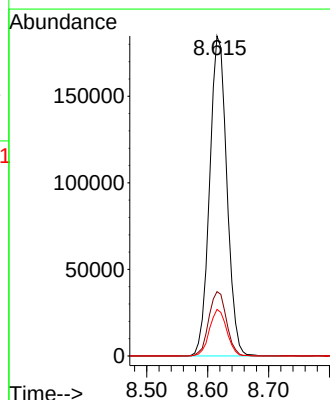
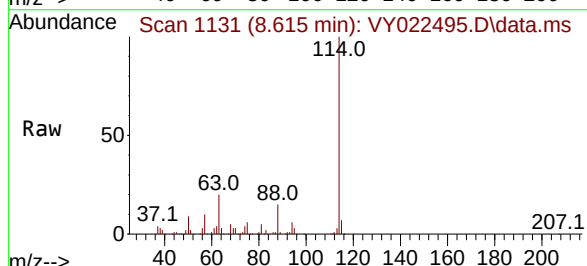
Tgt Ion:114 Resp: 362519

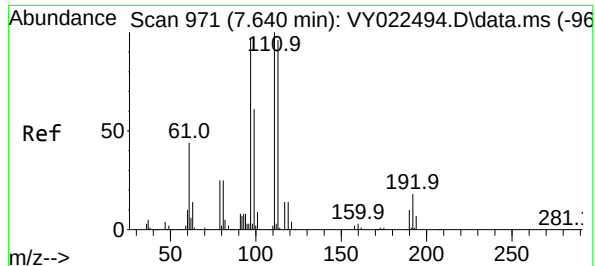
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 14.5 0.0 27.8





#35

Dibromofluoromethane

Concen: 104.234 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 22244

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

192 18.2 14.2 21.2

Manual Integrations

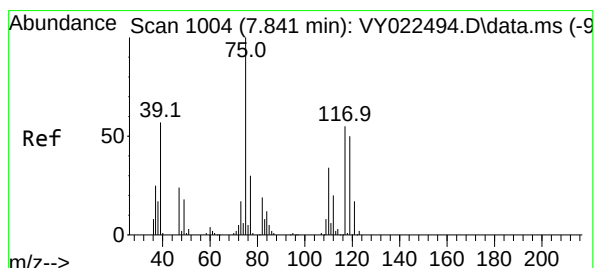
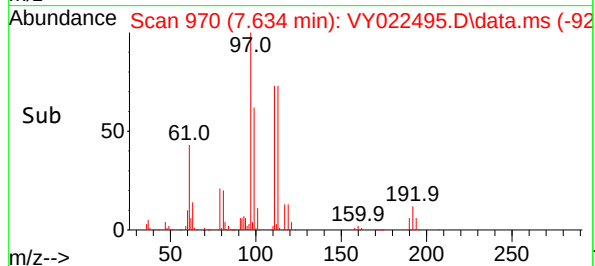
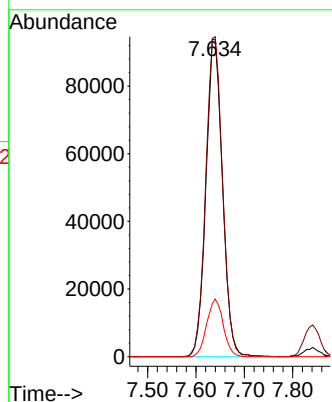
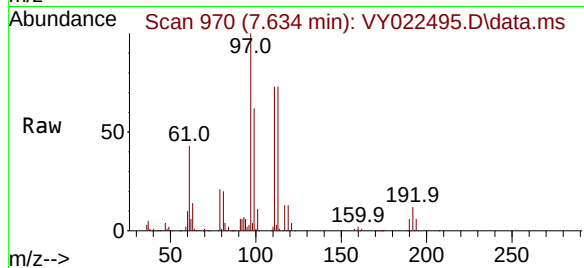
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#36

1,1-Dichloropropene

Concen: 103.070 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

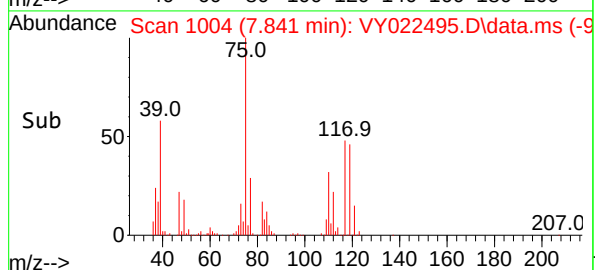
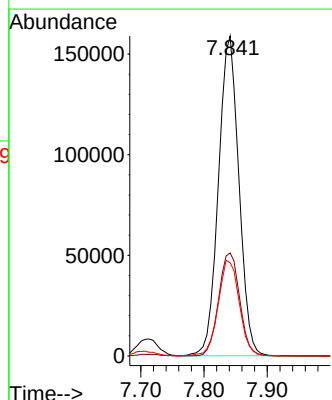
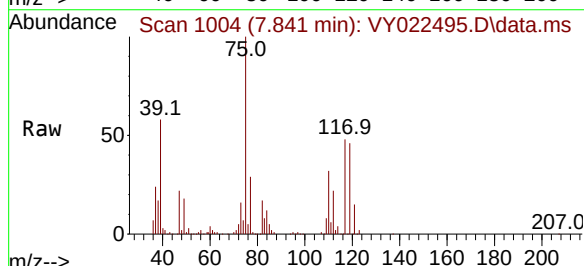
Tgt Ion: 75 Resp: 355563

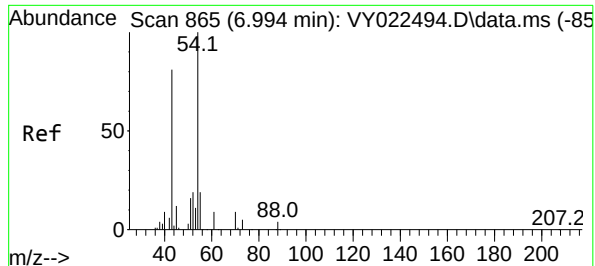
Ion Ratio Lower Upper

75 100

110 33.1 16.9 50.7

77 31.1 24.8 37.2





#37

Ethyl Acetate

Concen: 105.336 ug/l

RT: 6.988 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:	43	Resp:	15992
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.3	7.2	10.8

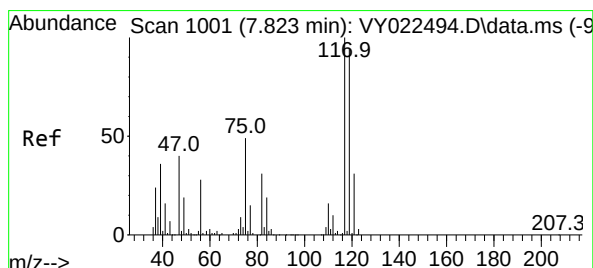
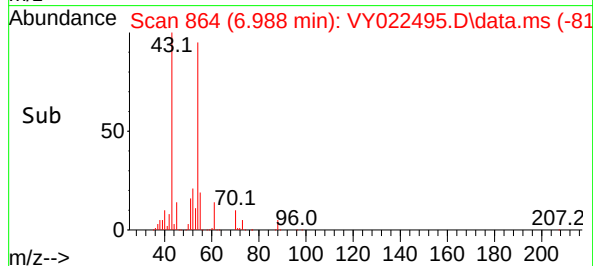
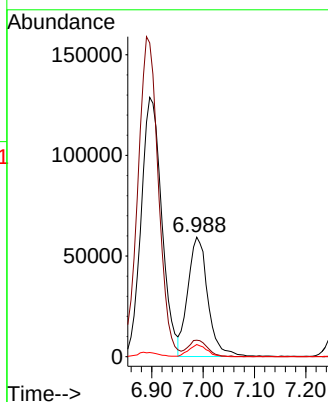
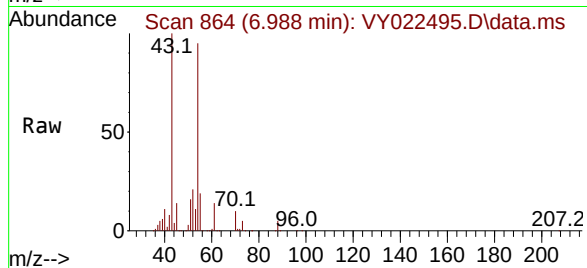
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#38

Carbon Tetrachloride

Concen: 103.651 ug/l

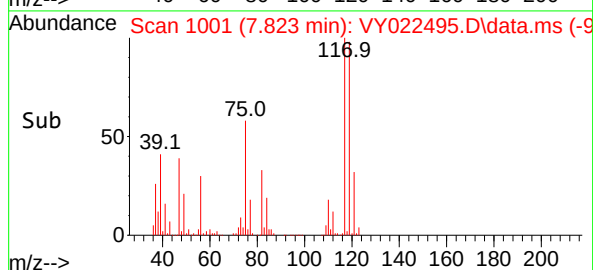
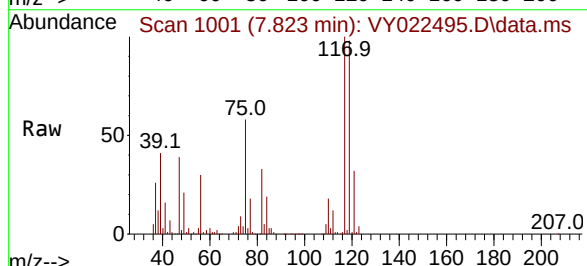
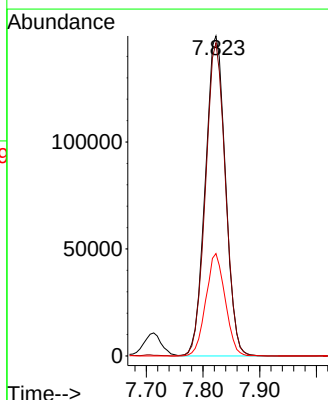
RT: 7.823 min Scan# 1001

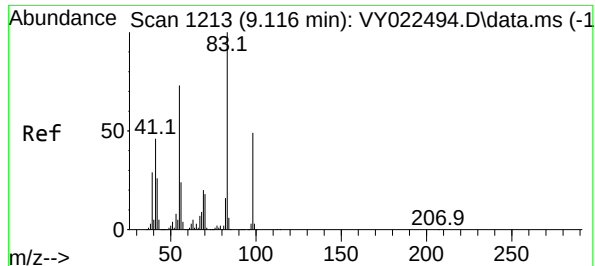
Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion:	117	Resp:	368617
Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.0	112.6
121	32.0	25.0	37.4





#39

Methylcyclohexane

Concen: 103.323 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 48151

Ion Ratio Lower Upper

83 100

55 71.2 58.1 87.1

98 48.1 39.0 58.6

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Manual Integrations

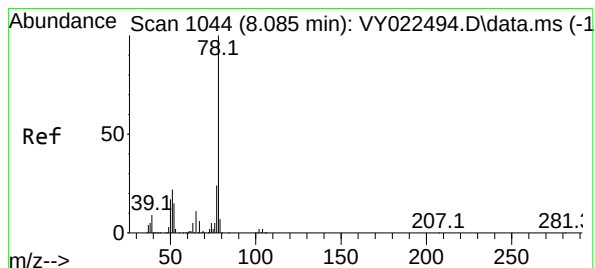
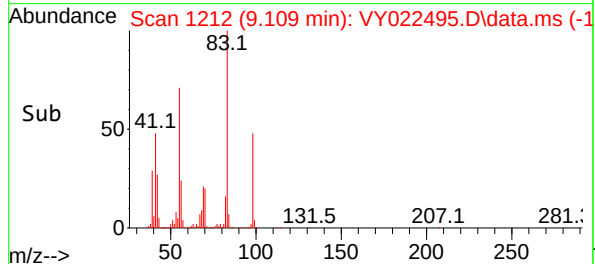
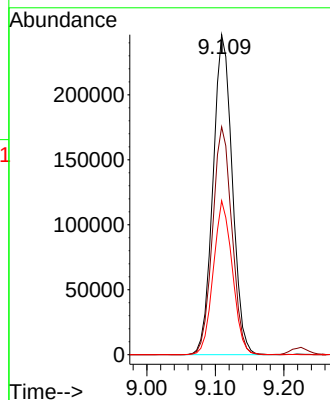
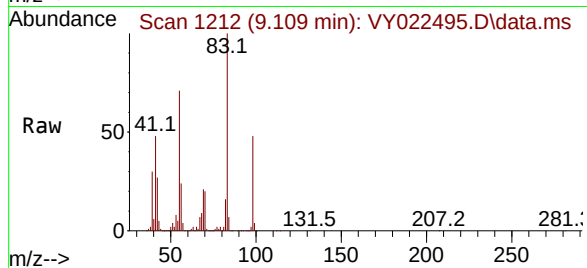
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#40

Benzene

Concen: 103.542 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY022495.D

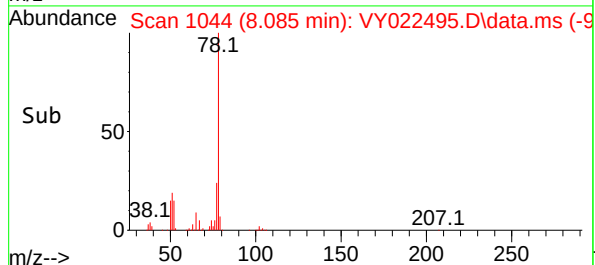
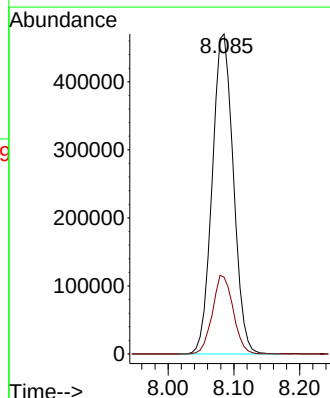
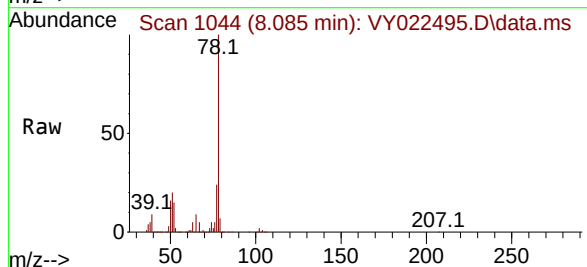
Acq: 02 Jun 2025 13:17

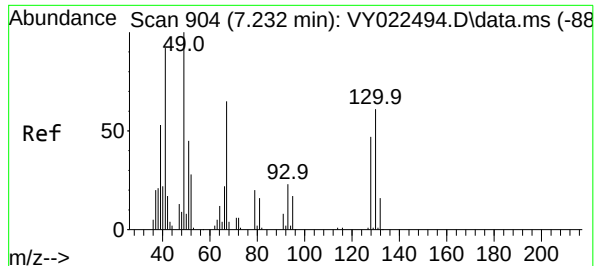
Tgt Ion: 78 Resp: 1052881

Ion Ratio Lower Upper

78 100

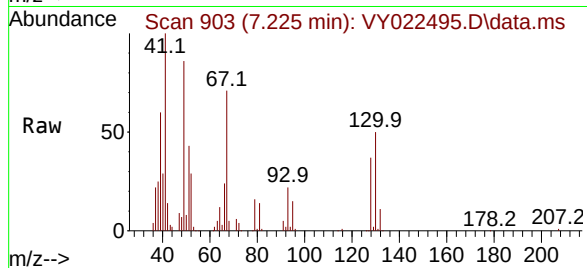
77 24.0 19.3 28.9





#41
Methacrylonitrile
Concen: 99.893 ug/l m
RT: 7.225 min Scan# 904
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



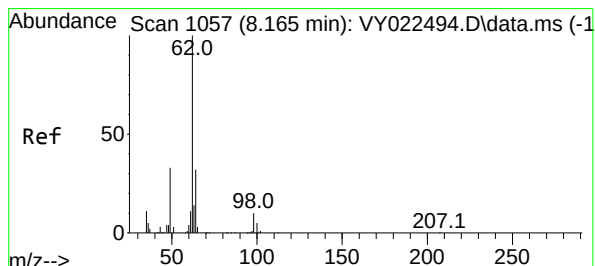
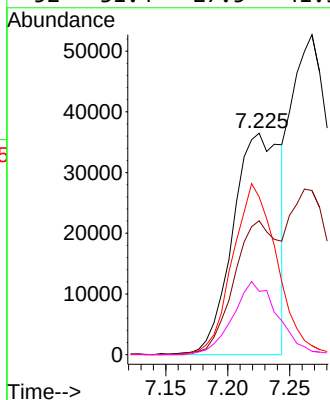
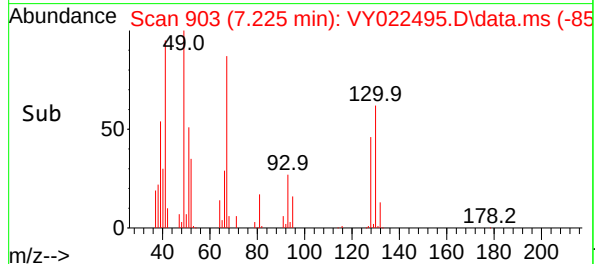
Tgt Ion: 41 Resp: 97672
Ion Ratio Lower Upper
41 100
39 57.6 46.6 69.8
67 72.4 63.3 94.9
52 31.4 27.5 41.3

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

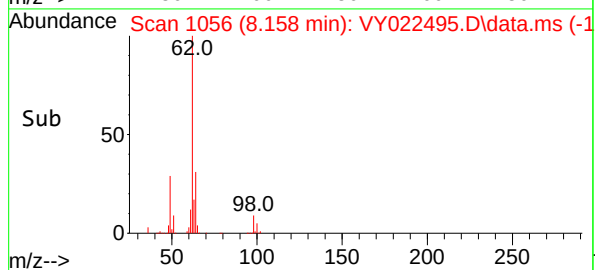
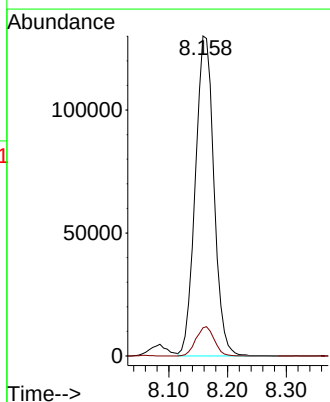
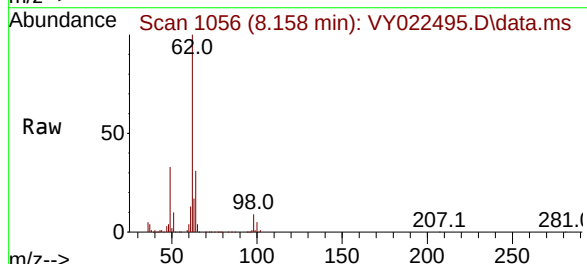
06/03/2025
Supervised By :Mahesh
Dadoda

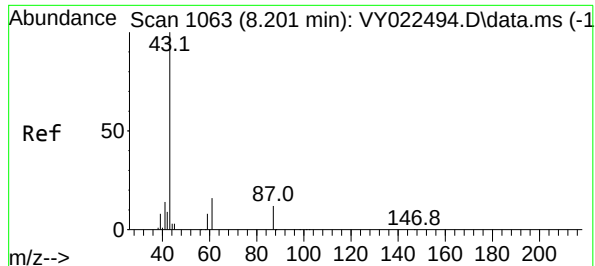
06/03/2025



#42
1,2-Dichloroethane
Concen: 103.504 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 286305
Ion Ratio Lower Upper
62 100
98 9.0 0.0 19.2





#43

Isopropyl Acetate

Concen: 103.721 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 344110

Ion Ratio Lower Upper

43 100

61 20.5 15.6 23.4

87 13.0 10.2 15.4

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Manual Integrations

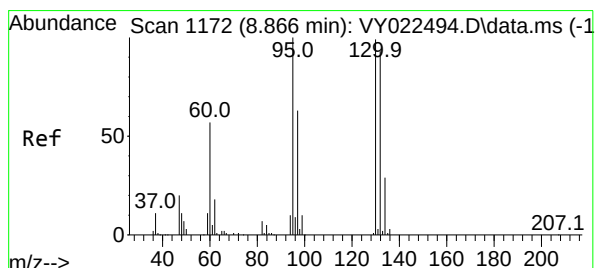
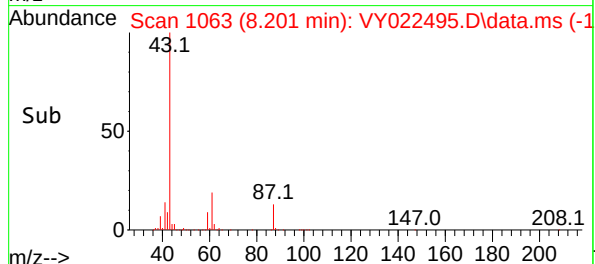
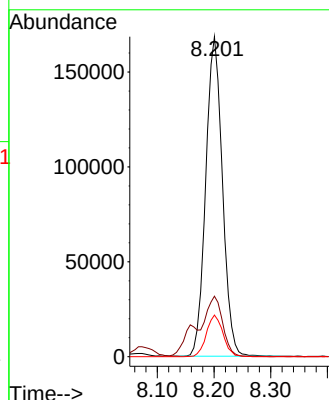
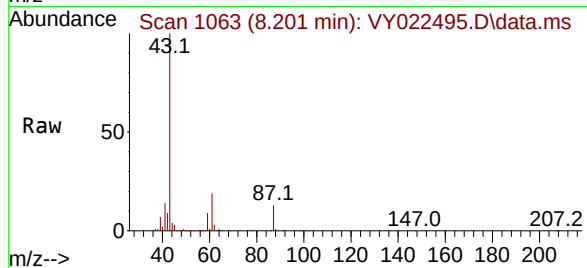
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#44

Trichloroethene

Concen: 102.104 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY022495.D

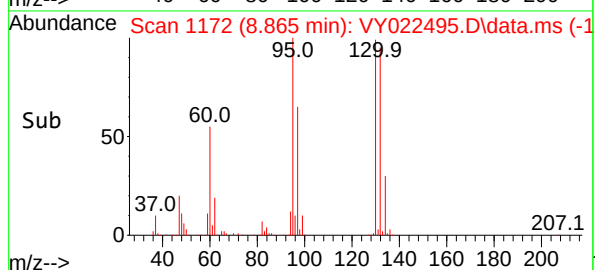
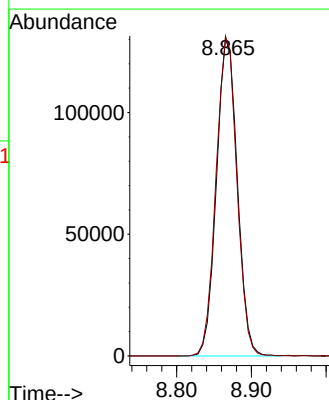
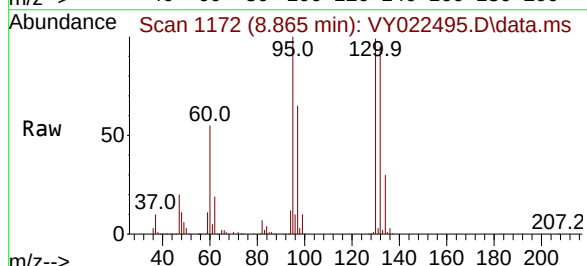
Acq: 02 Jun 2025 13:17

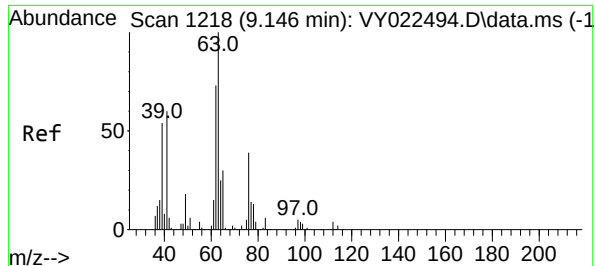
Tgt Ion:130 Resp: 253632

Ion Ratio Lower Upper

130 100

95 101.1 0.0 203.0





#45

1,2-Dichloropropane

Concen: 102.865 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 24936

Ion Ratio Lower Upper

63 100

65 30.2 24.0 36.0

Manual Integrations

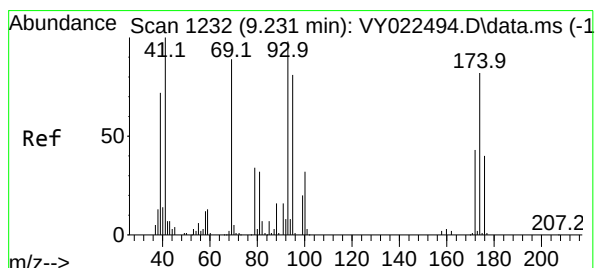
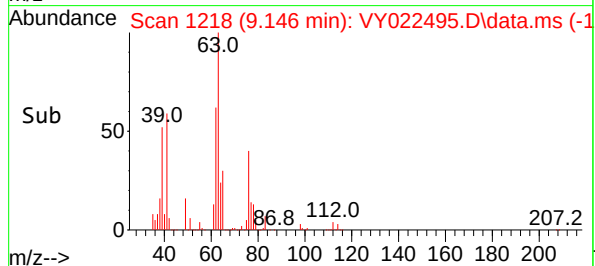
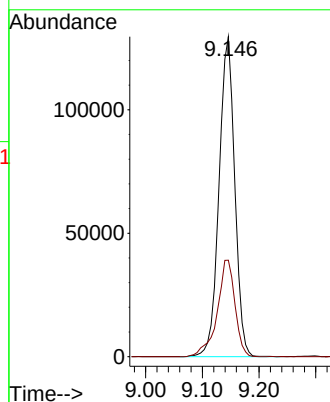
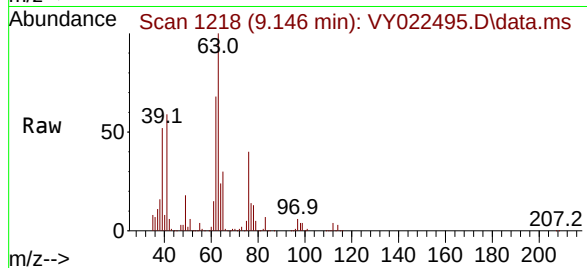
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#46

Dibromomethane

Concen: 102.605 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

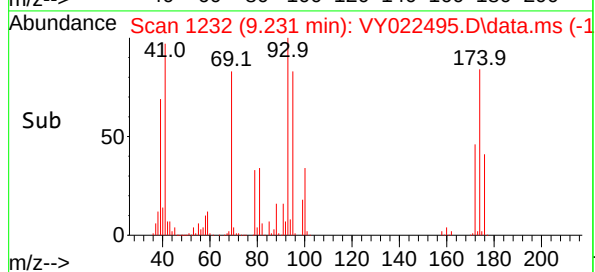
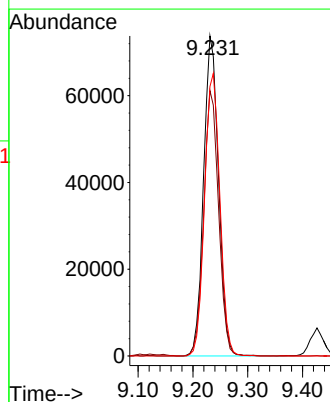
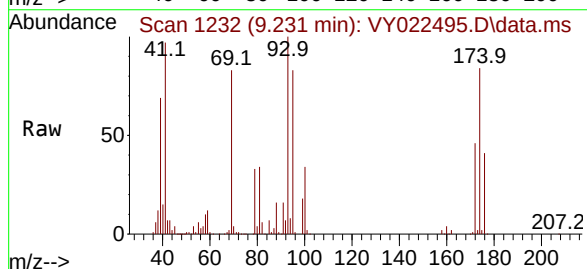
Tgt Ion: 93 Resp: 139349

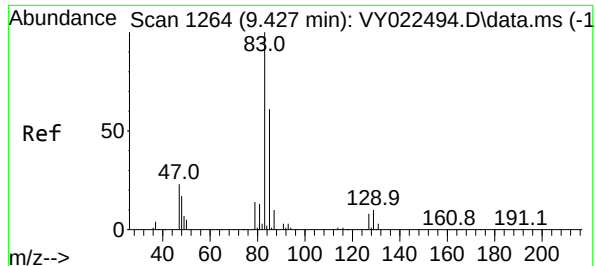
Ion Ratio Lower Upper

93 100

95 82.5 65.6 98.4

174 90.4 70.4 105.6





#47

Bromodichloromethane

Concen: 103.321 ug/l

RT: 9.426 min Scan# 1264

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

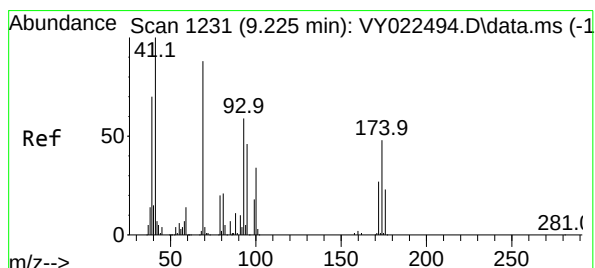
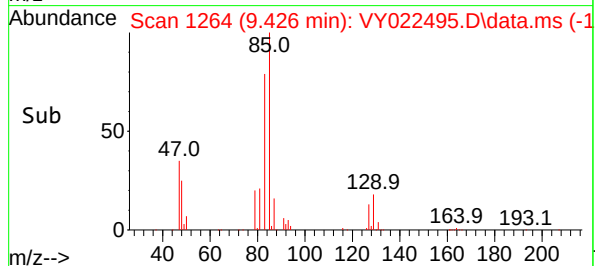
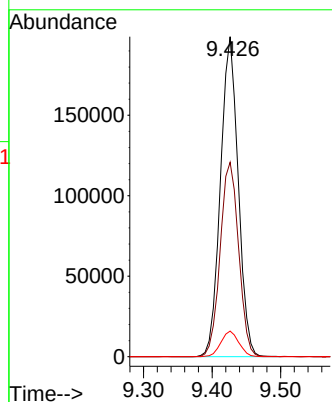
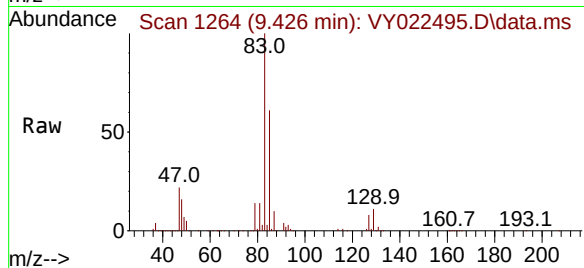
Tgt Ion: 83	Resp: 35602
Ion Ratio	Lower Upper
83 100	
85 60.7	49.1 73.7
127 8.0	6.2 9.4

Manual Integrations
APPROVEDReviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#48

Methyl methacrylate

Concen: 107.875 ug/l

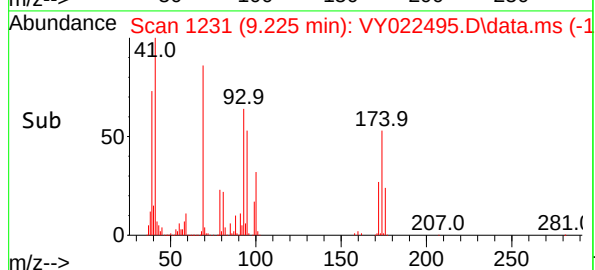
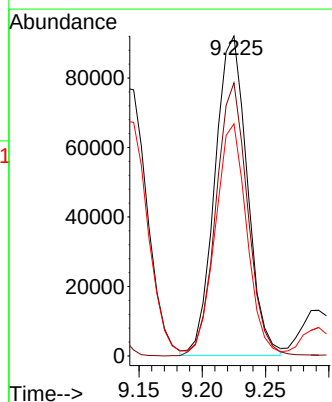
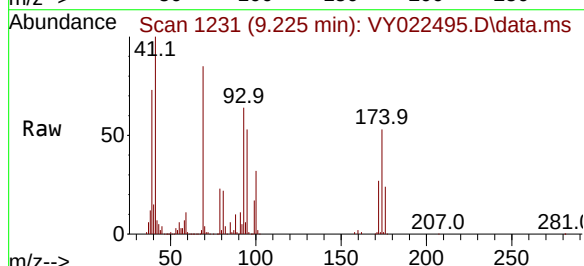
RT: 9.225 min Scan# 1231

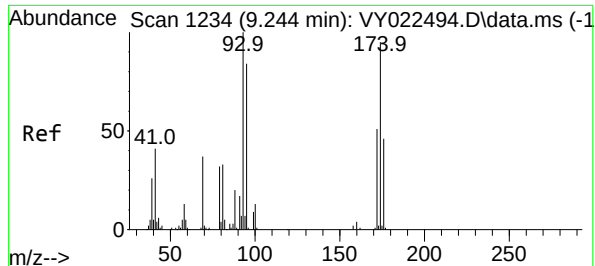
Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion: 41	Resp: 163867
Ion Ratio	Lower Upper
41 100	
69 84.0	67.8 101.8
39 68.0	55.0 82.4





#49

1,4-Dioxane

Concen: 1955.012 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. -0.006 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:	88	Resp:	31679
Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.4	38.2
58	69.1	54.9	82.3

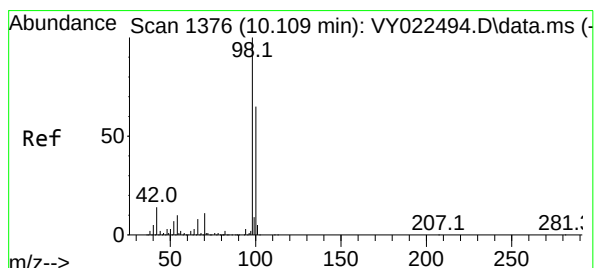
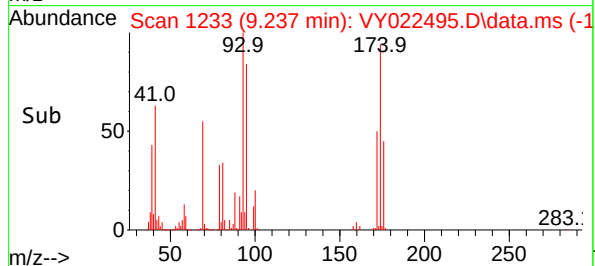
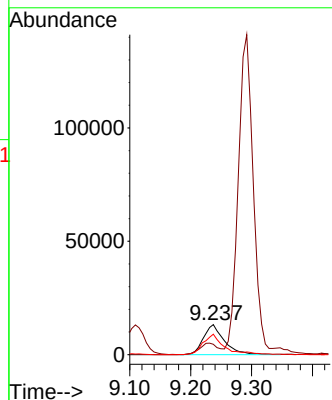
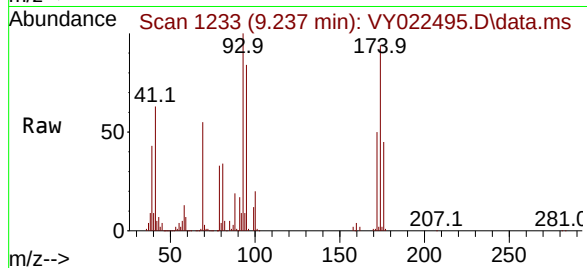
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#50

Toluene-d8

Concen: 105.318 ug/l

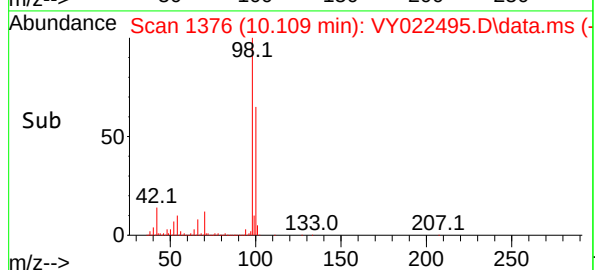
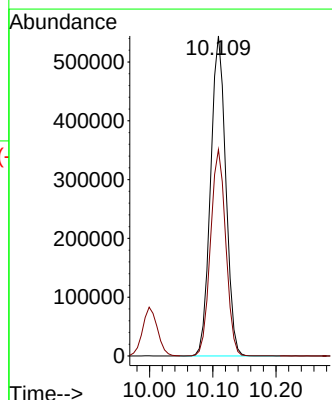
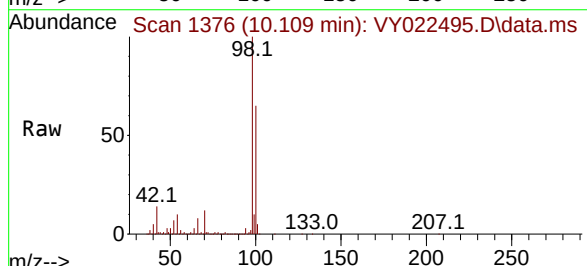
RT: 10.109 min Scan# 1376

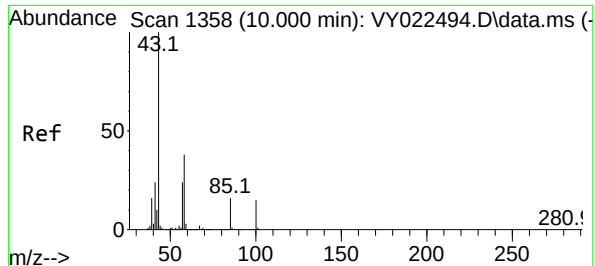
Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion:	98	Resp:	908424
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 537.390 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

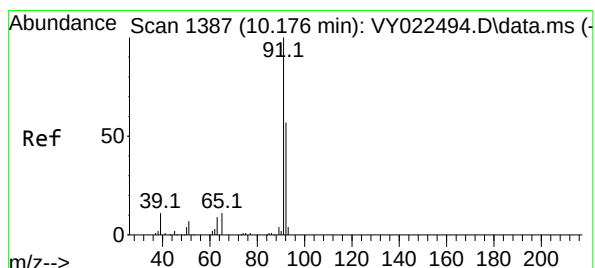
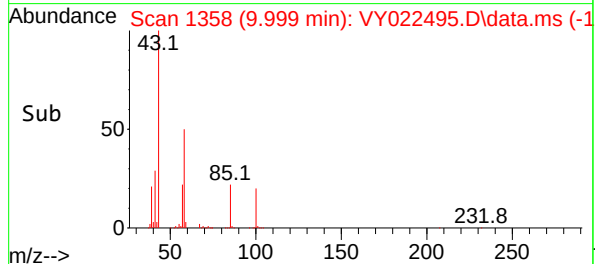
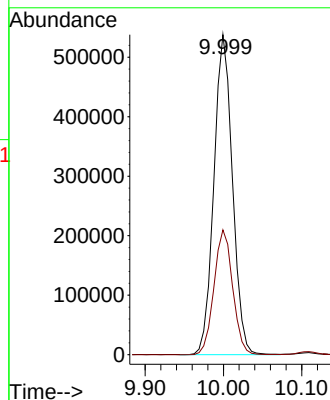
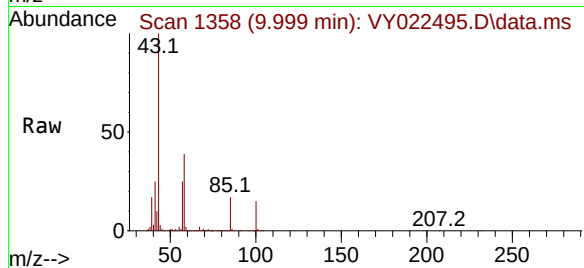
Tgt Ion: 43 Resp: 88489
Ion Ratio Lower Upper
43 100
58 39.3 30.4 45.6

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

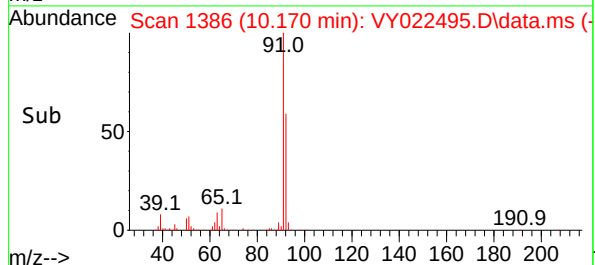
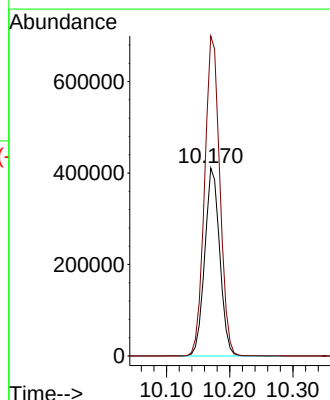
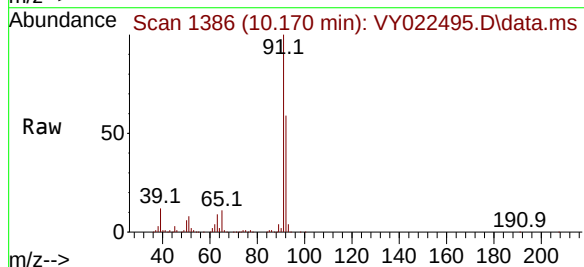
06/03/2025
Supervised By :Mahesh
Dadoda

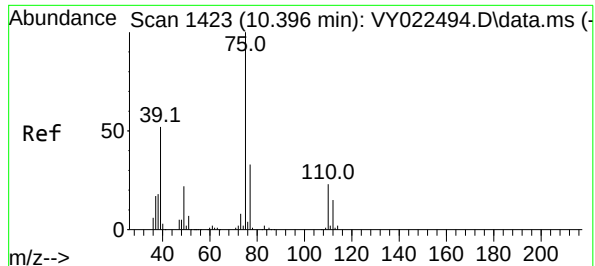
06/03/2025



#52
Toluene
Concen: 105.821 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

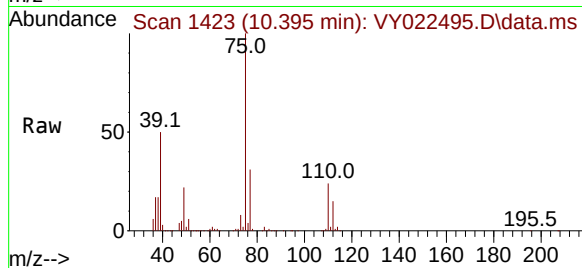
Tgt Ion: 92 Resp: 676554
Ion Ratio Lower Upper
92 100
91 173.1 139.0 208.4





#53
t-1,3-Dichloropropene
Concen: 106.548 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



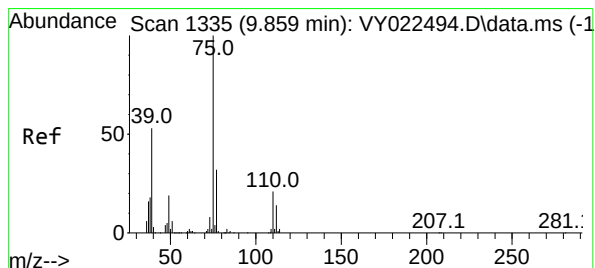
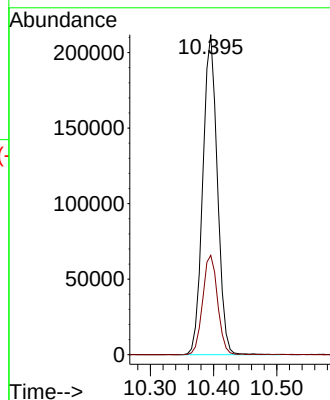
Tgt Ion: 75 Resp: 339647
Ion Ratio Lower Upper
75 100
77 31.0 26.5 39.7

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

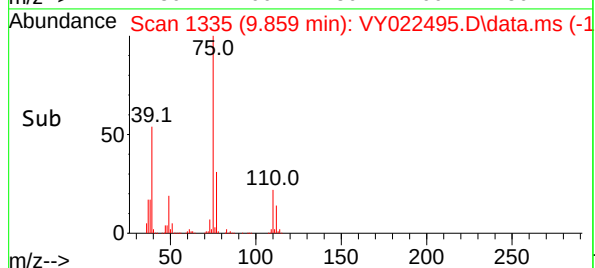
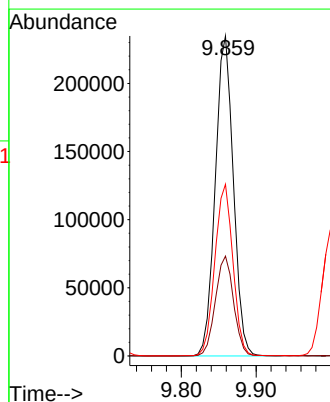
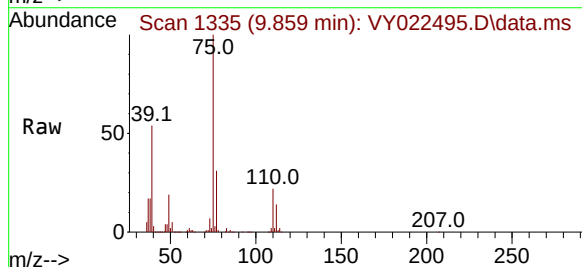
06/03/2025
Supervised By :Mahesh
Dadoda

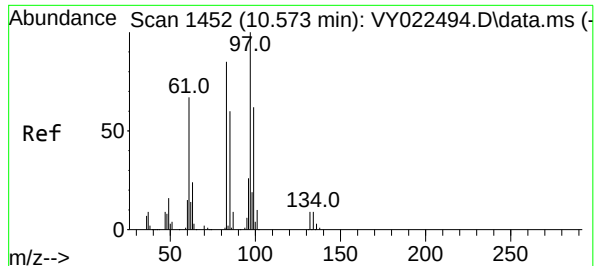
06/03/2025



#54
cis-1,3-Dichloropropene
Concen: 105.579 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

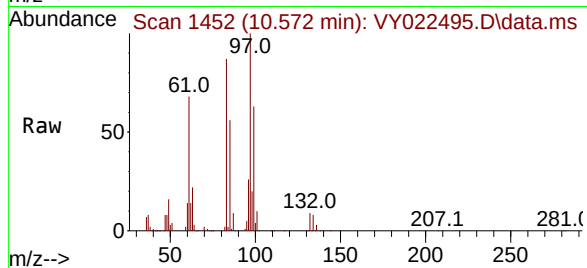
Tgt Ion: 75 Resp: 394647
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9
39 53.6 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 103.130 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



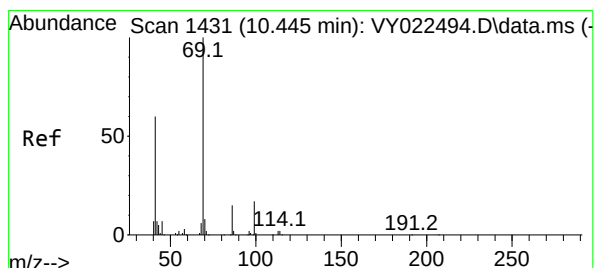
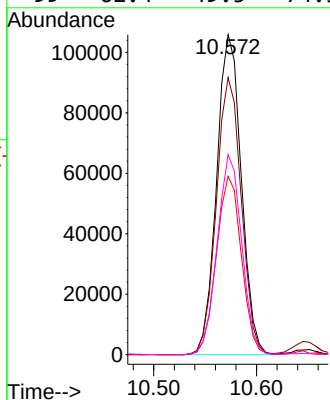
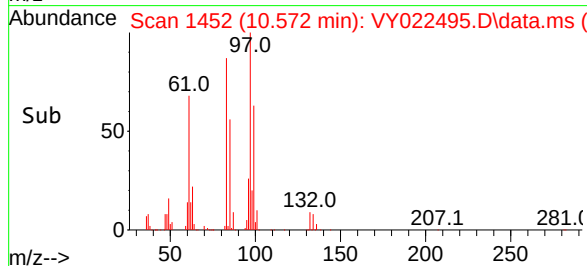
Tgt Ion: 97 Resp: 176380
Ion Ratio Lower Upper
97 100
83 86.6 68.1 102.1
85 55.8 48.2 72.2
99 62.4 49.5 74.3

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

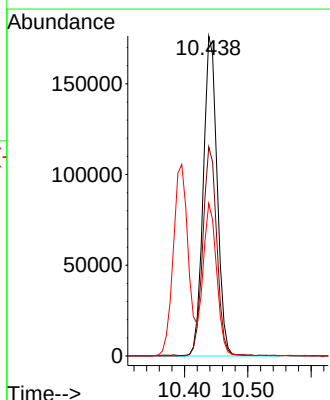
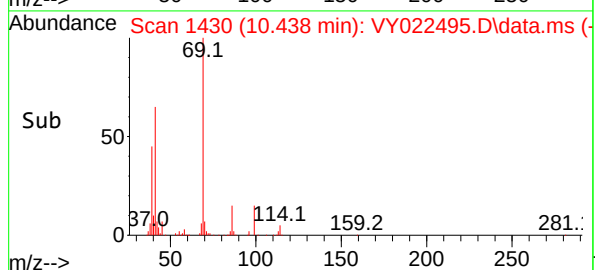
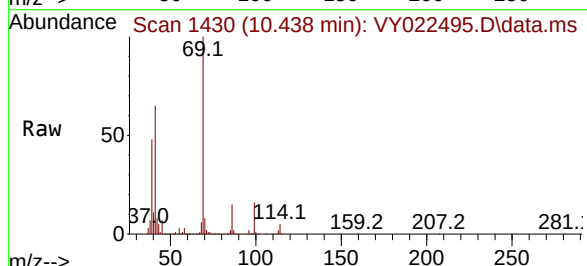
06/03/2025
Supervised By :Mahesh
Dadoda

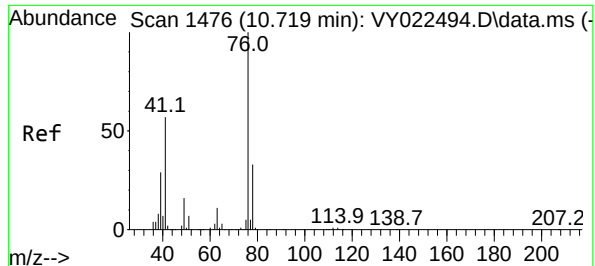
06/03/2025



#56
Ethyl methacrylate
Concen: 108.807 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 69 Resp: 270253
Ion Ratio Lower Upper
69 100
41 65.7 52.2 78.2
39 45.6 36.7 55.1





#57

1,3-Dichloropropane

Concen: 103.374 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 31488

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8

Manual Integrations

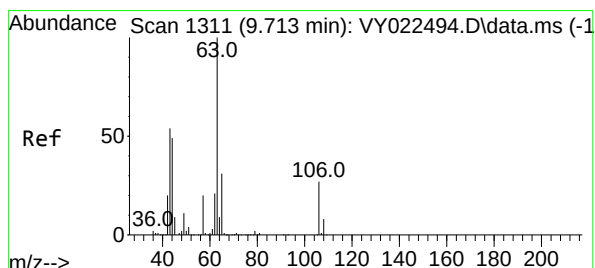
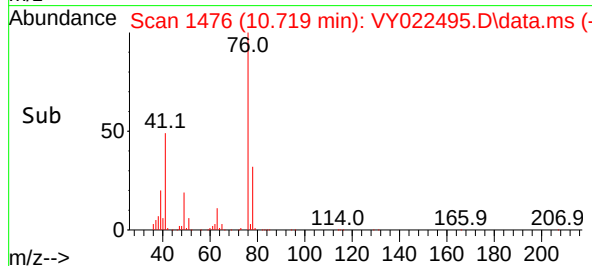
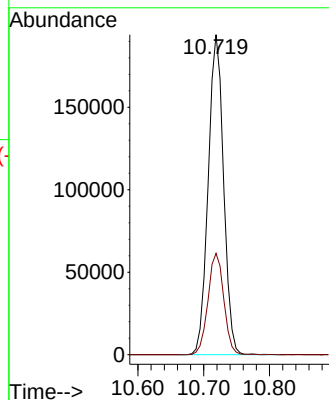
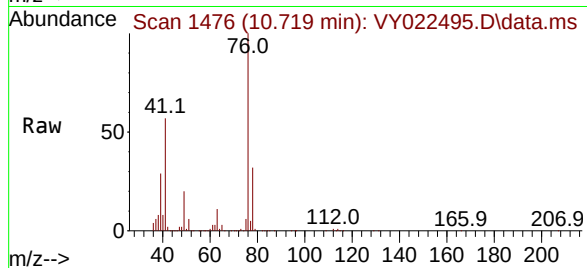
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 570.744 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY022495.D

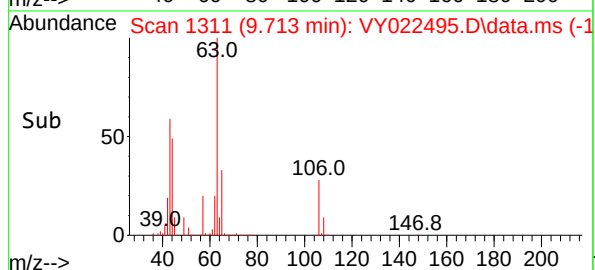
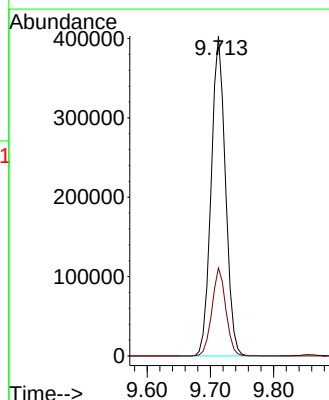
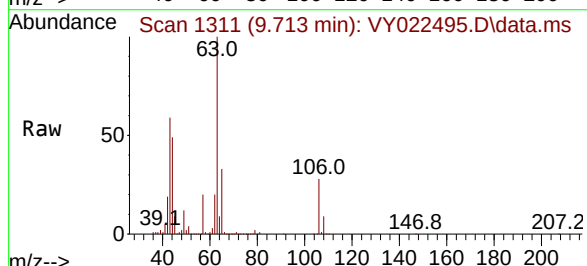
Acq: 02 Jun 2025 13:17

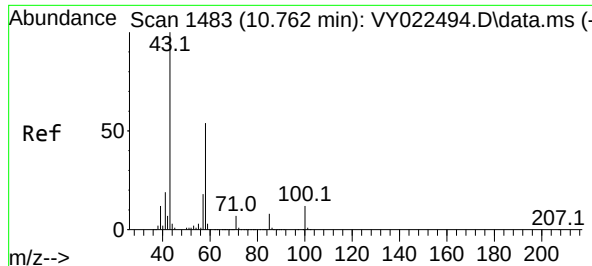
Tgt Ion: 63 Resp: 631985

Ion Ratio Lower Upper

63 100

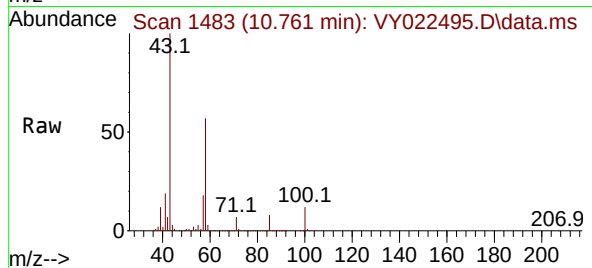
106 26.7 21.6 32.4





#59
2-Hexanone
Concen: 546.025 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



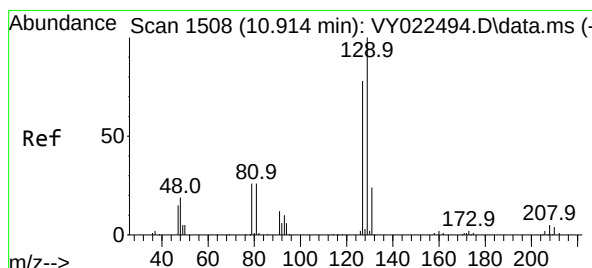
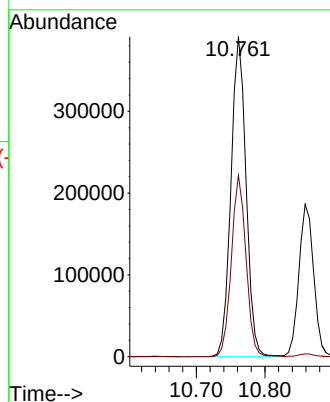
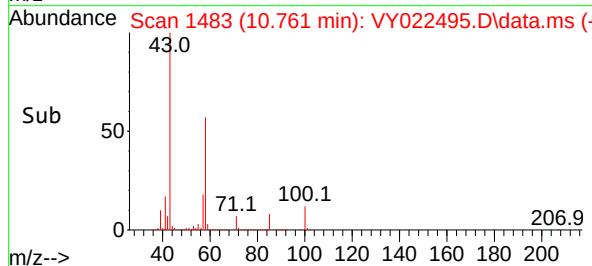
Tgt Ion: 43 Resp: 599350
Ion Ratio Lower Upper
43 100
58 55.0 27.3 81.8

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

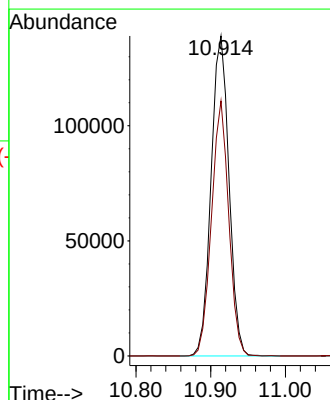
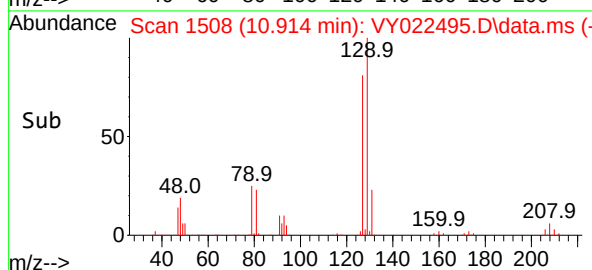
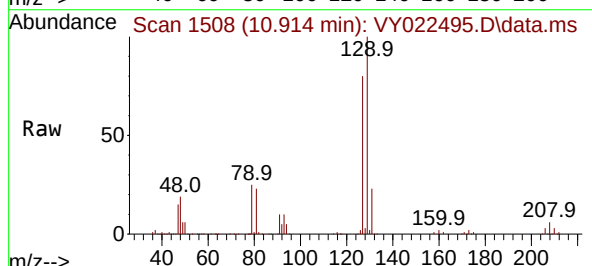
06/03/2025
Supervised By :Mahesh
Dadoda

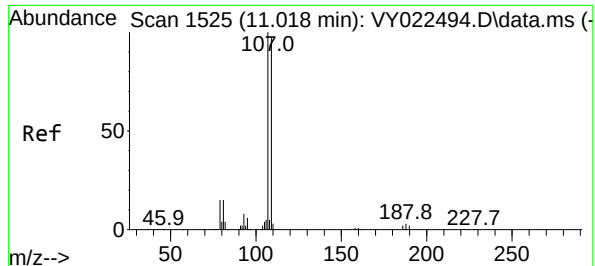
06/03/2025



#60
Dibromochloromethane
Concen: 106.862 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

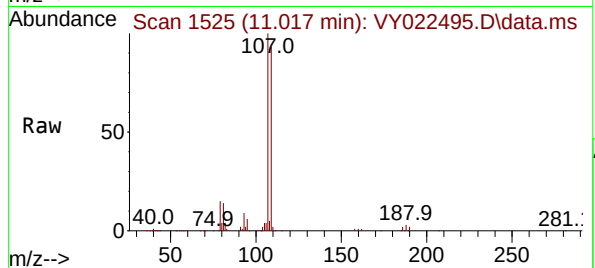
Tgt Ion:129 Resp: 231582
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61
1,2-Dibromoethane
Concen: 103.182 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



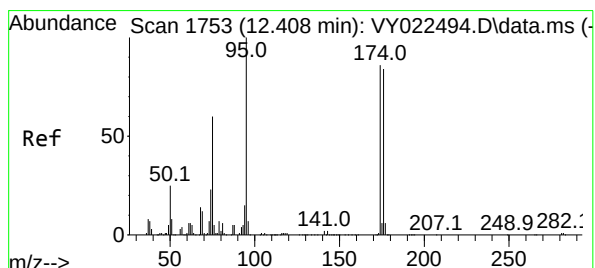
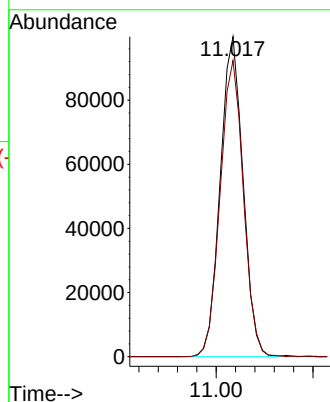
Tgt Ion:107 Resp: 162840
Ion Ratio Lower Upper
107 100
109 94.4 77.7 116.5

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

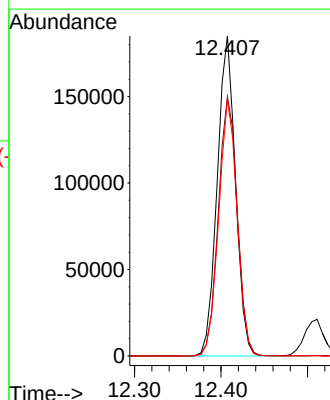
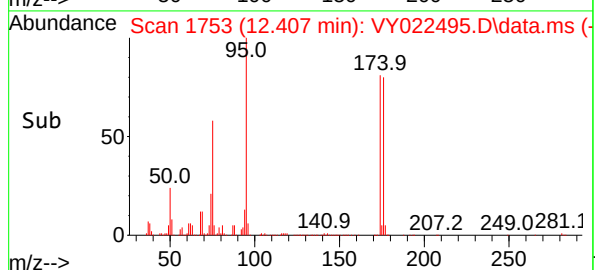
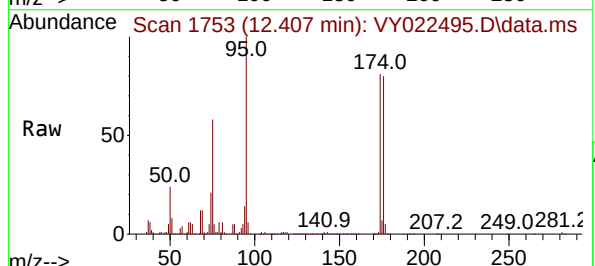
06/03/2025
Supervised By :Mahesh
Dadoda

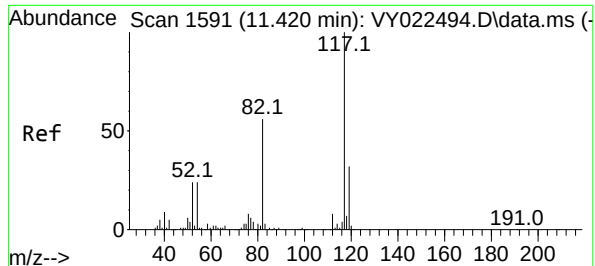
06/03/2025



#62
4-Bromofluorobenzene
Concen: 103.359 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

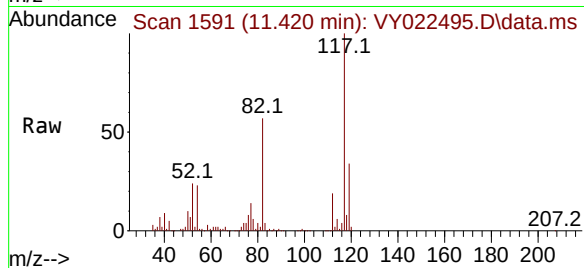
Tgt Ion: 95 Resp: 270310
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.0
176 80.8 0.0 166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



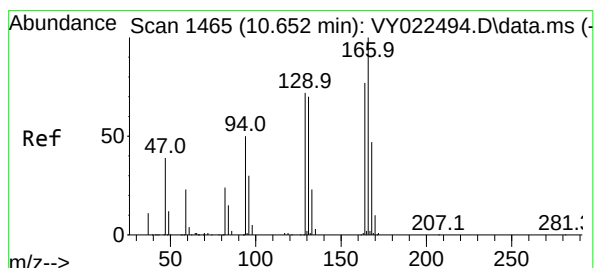
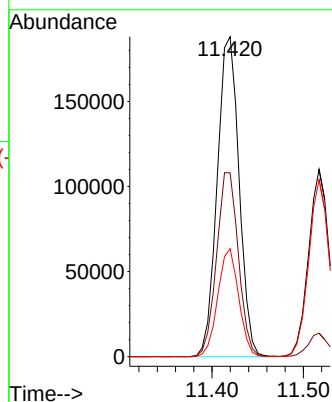
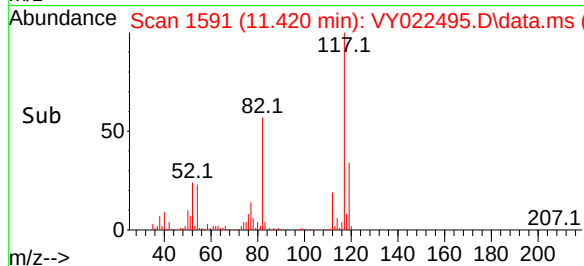
Tgt Ion:117 Resp: 31274
Ion Ratio Lower Upper
117 100
82 57.4 44.6 66.8
119 33.8 25.4 38.0

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

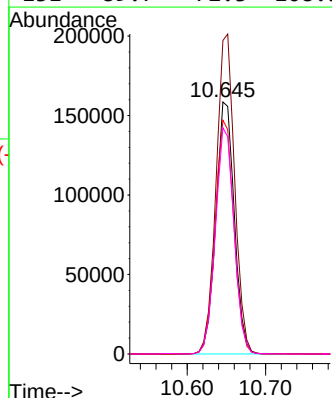
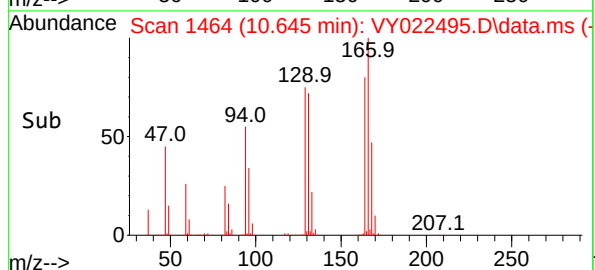
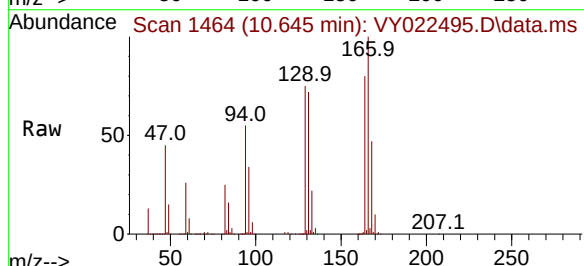
06/03/2025
Supervised By :Mahesh
Dadoda

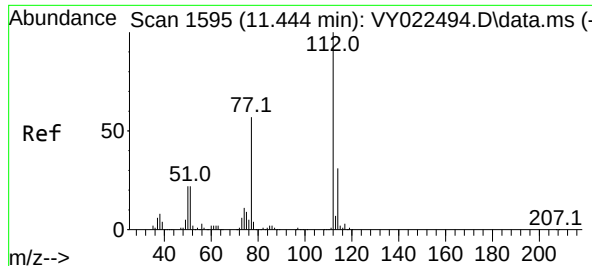
06/03/2025



#64
Tetrachloroethene
Concen: 97.857 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:164 Resp: 260085
Ion Ratio Lower Upper
164 100
166 124.4 104.0 156.0
129 92.8 74.5 111.7
131 89.7 72.3 108.5





#65
Chlorobenzene
Concen: 103.277 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

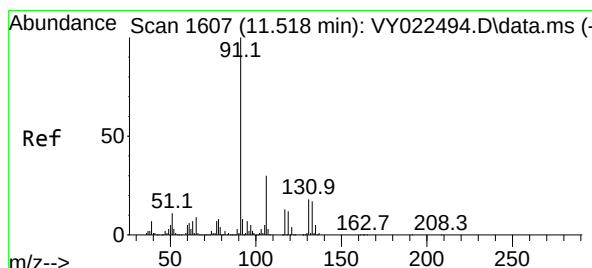
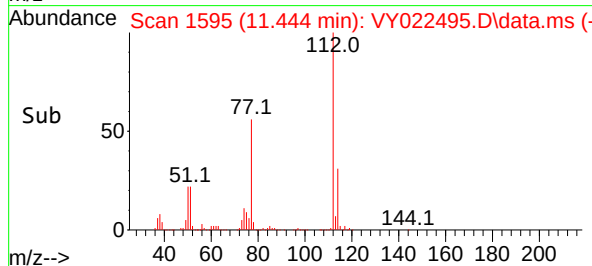
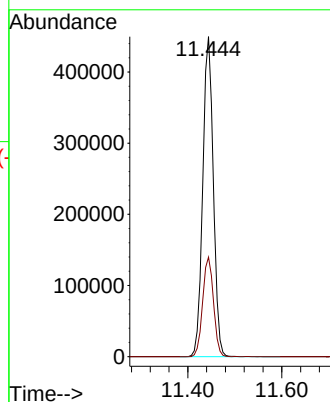
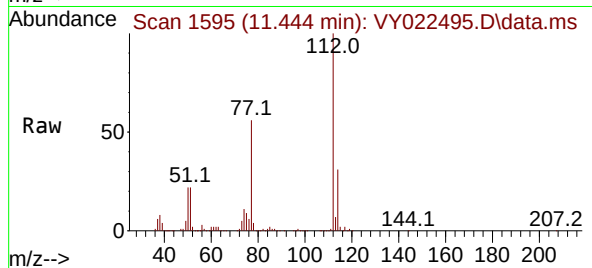
Tgt Ion:112 Resp: 70036
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.6

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Reviewed By :Semsettin
Yesilyurt

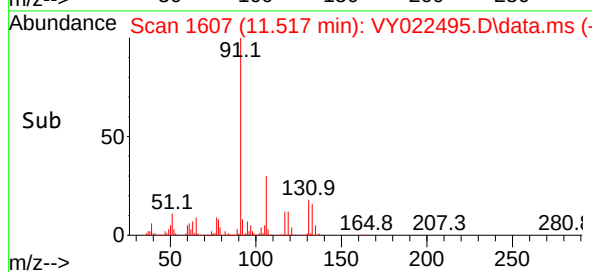
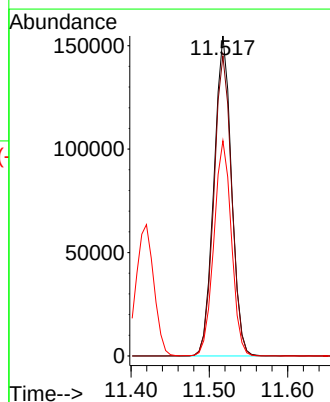
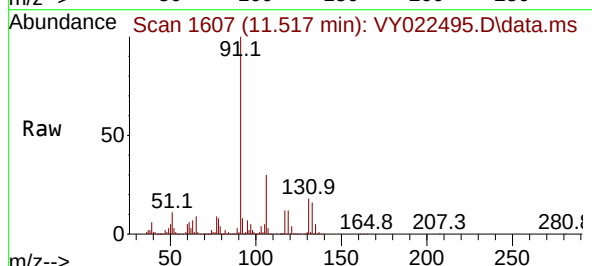
06/03/2025
Supervised By :Mahesh
Dadoda

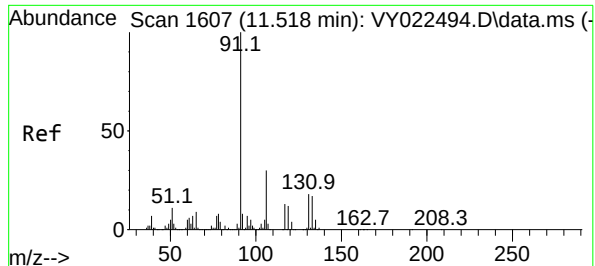
06/03/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 104.874 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:131 Resp: 241080
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.8
119 66.9 33.1 99.3





#67
Ethyl Benzene
Concen: 106.379 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

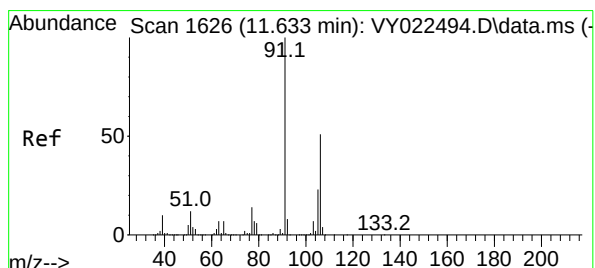
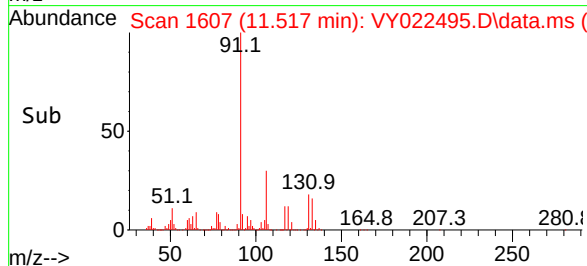
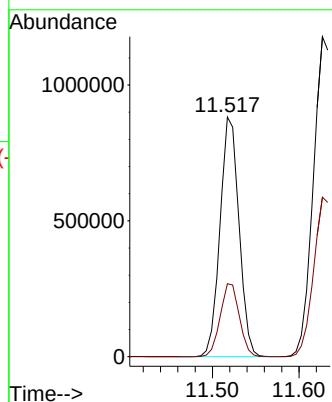
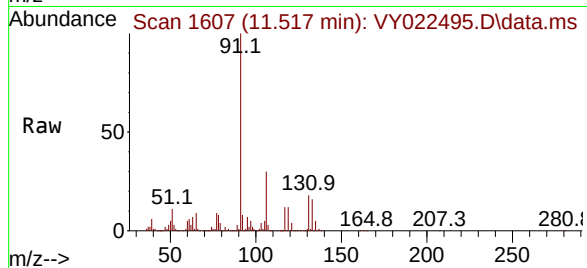
Tgt Ion: 91 Resp: 1343424
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

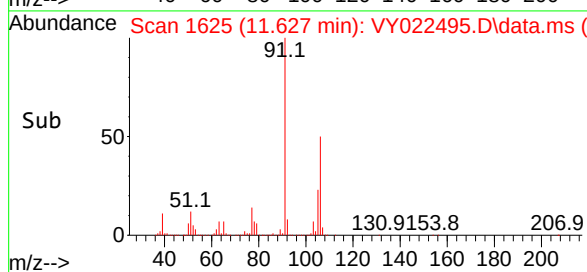
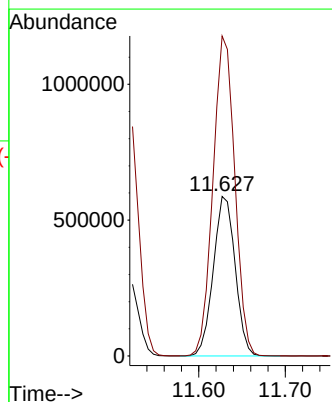
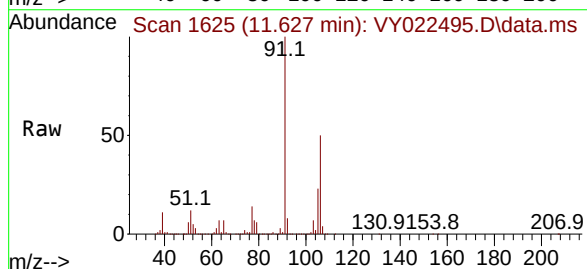
06/03/2025
Supervised By :Mahesh
Dadoda

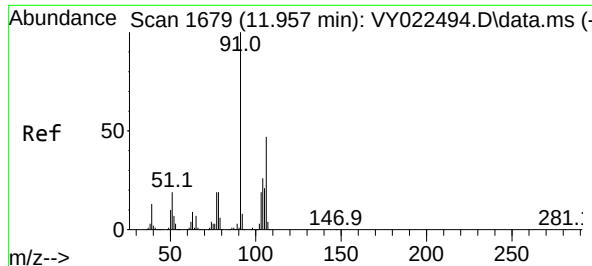
06/03/2025



#68
m/p-Xylenes
Concen: 215.017 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

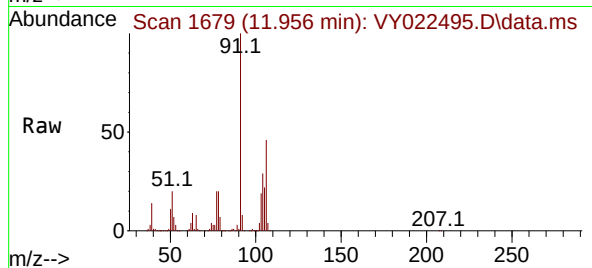
Tgt Ion:106 Resp: 1027669
Ion Ratio Lower Upper
106 100
91 200.6 159.4 239.0





#69
o-Xylene
Concen: 106.884 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



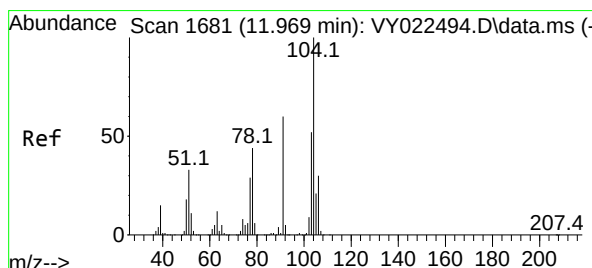
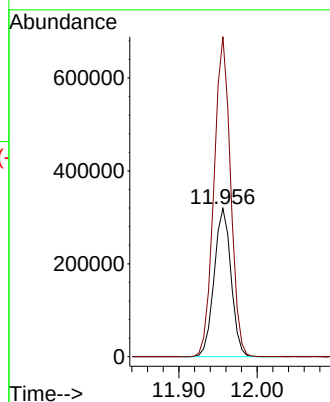
Tgt Ion:106 Resp: 478100
Ion Ratio Lower Upper
106 100
91 212.3 105.8 317.3

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

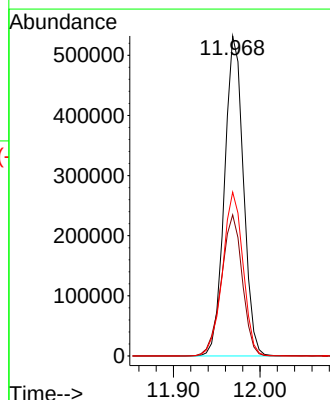
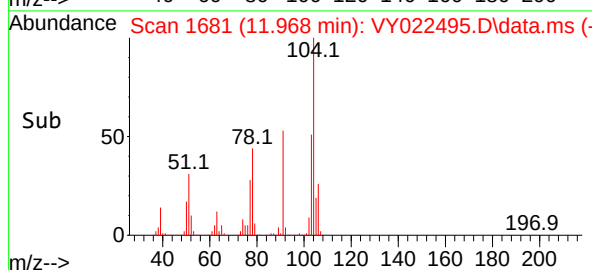
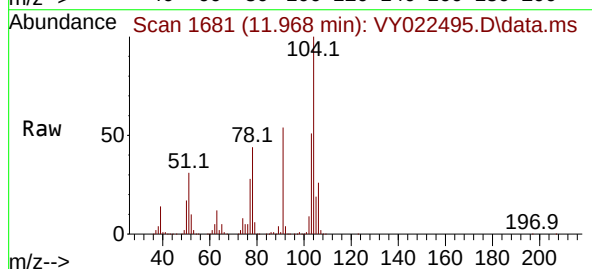
06/03/2025
Supervised By :Mahesh
Dadoda

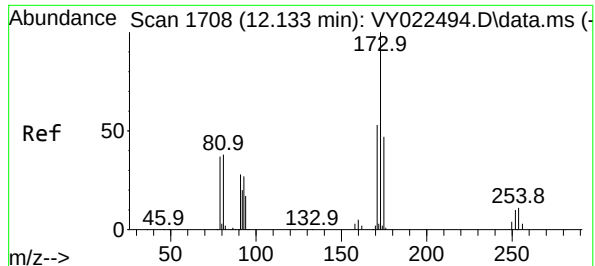
06/03/2025



#70
Styrene
Concen: 109.011 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

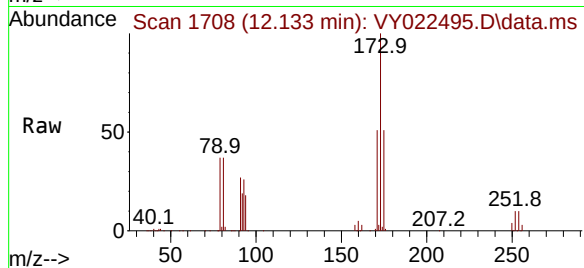
Tgt Ion:104 Resp: 807331
Ion Ratio Lower Upper
104 100
78 48.7 39.5 59.3
103 55.3 44.1 66.1





#71
Bromoform
Concen: 106.900 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



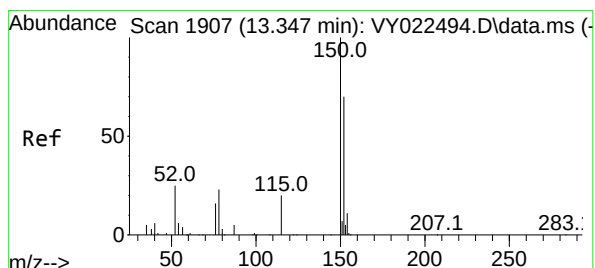
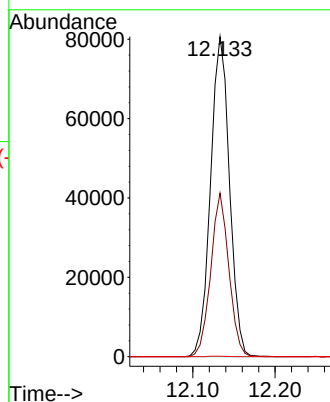
Tgt Ion:173 Resp: 129134
Ion Ratio Lower Upper
173 100
175 48.8 23.8 71.5
254 0.2 0.0 0.0

Manual Integrations
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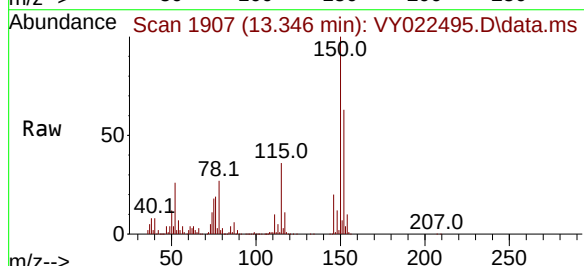
Reviewed By :Semsettin
Yesilyurt

06/03/2025
Supervised By :Mahesh
Dadoda

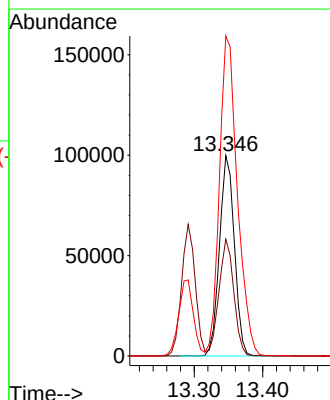
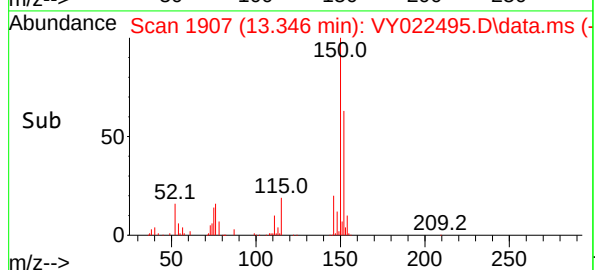
06/03/2025

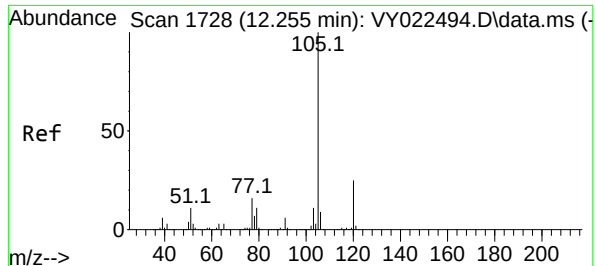


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17



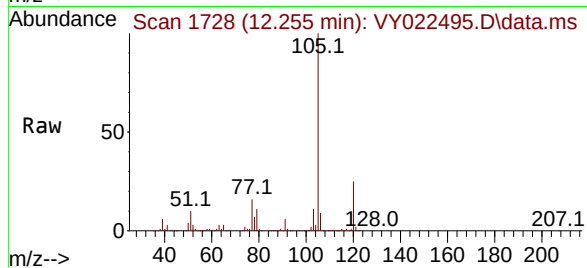
Tgt Ion:152 Resp: 150217
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.7
150 192.2 0.0 349.6





#73
Isopropylbenzene
Concen: 103.429 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



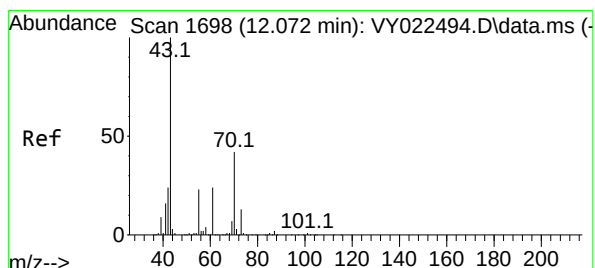
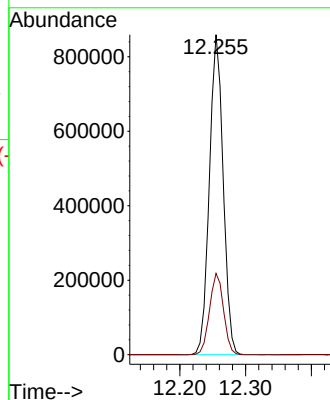
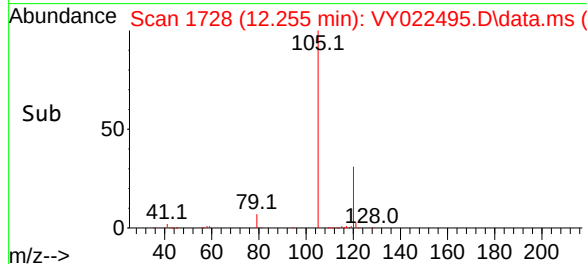
Tgt Ion:105 Resp: 125178
Ion Ratio Lower Upper
105 100
120 25.8 13.0 38.9

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

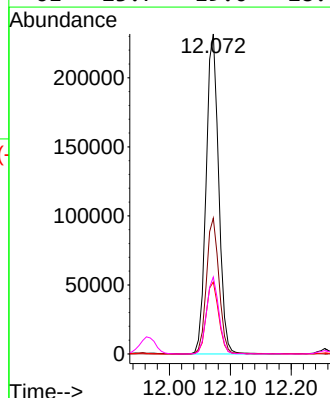
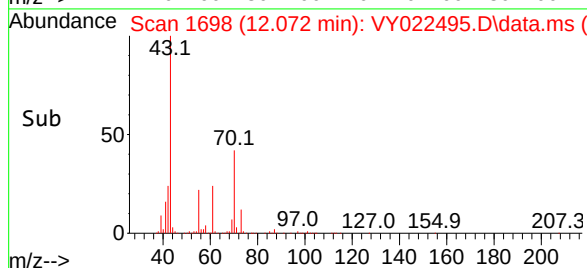
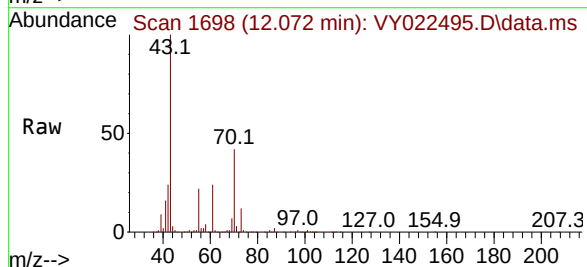
06/03/2025
Supervised By :Mahesh
Dadoda

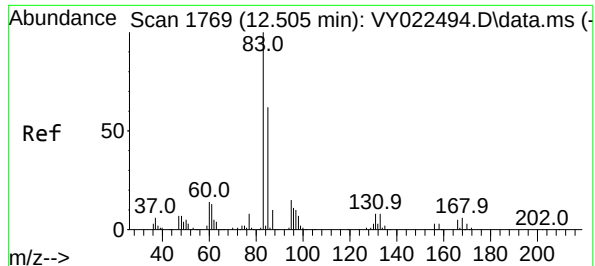
06/03/2025



#74
N-ethyl acetate
Concen: 108.232 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

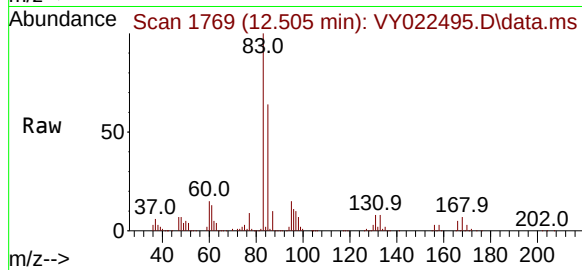
Tgt Ion: 43 Resp: 331256
Ion Ratio Lower Upper
43 100
70 42.4 34.2 51.2
55 22.5 18.2 27.4
61 23.7 19.0 28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 102.543 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



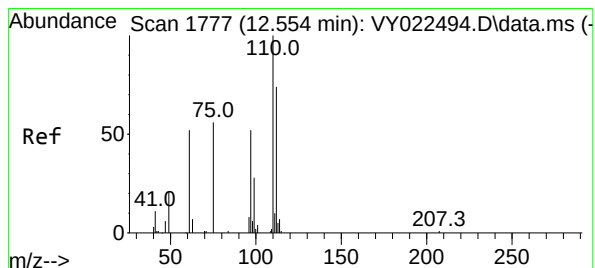
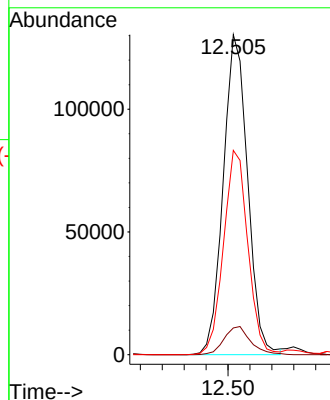
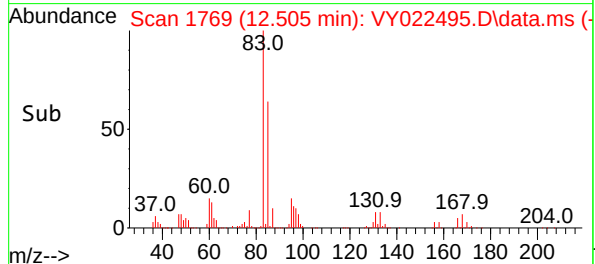
Tgt Ion: 83 Resp: 201554
Ion Ratio Lower Upper
83 100
131 9.5 4.9 14.7
85 63.7 32.6 97.8

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

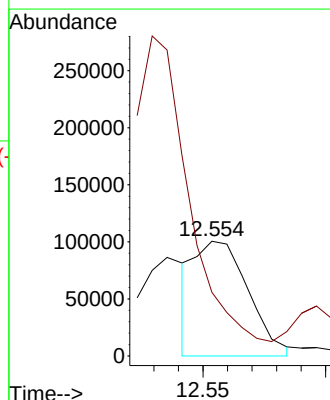
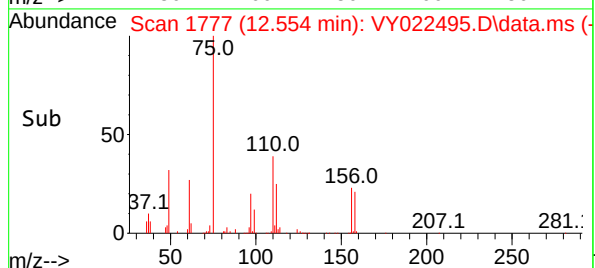
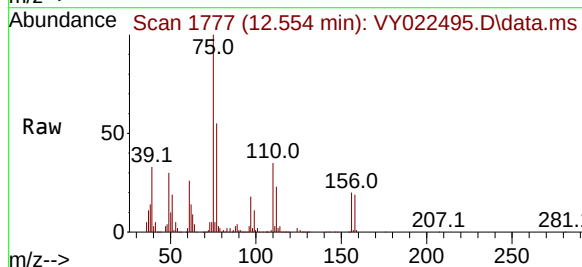
06/03/2025
Supervised By :Mahesh
Dadoda

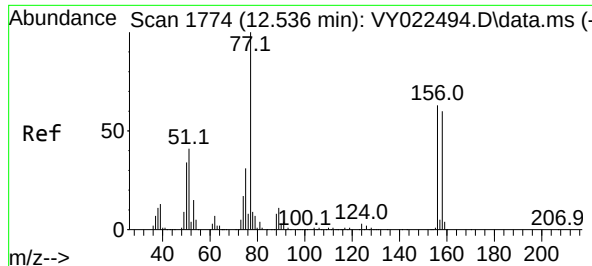
06/03/2025



#76
1,2,3-Trichloropropane
Concen: 77.478 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

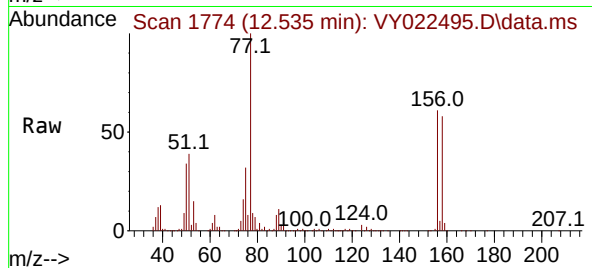
Tgt Ion: 75 Resp: 153645
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 101.560 ug/l
RT: 12.535 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



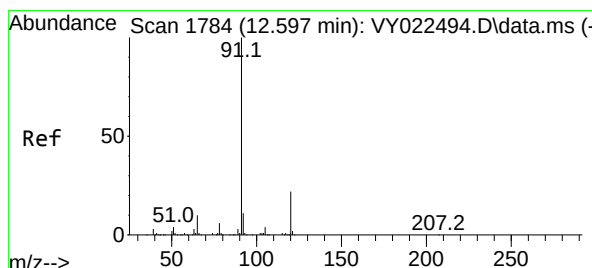
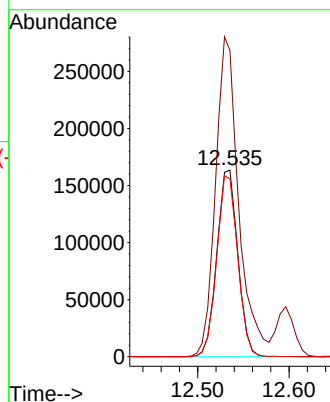
Tgt Ion:156 Resp: 26052
Ion Ratio Lower Upper
156 100
77 189.8 94.0 282.1
158 97.1 48.2 144.6

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

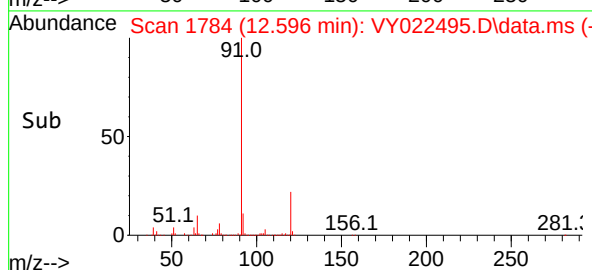
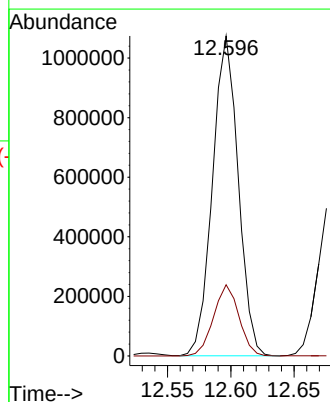
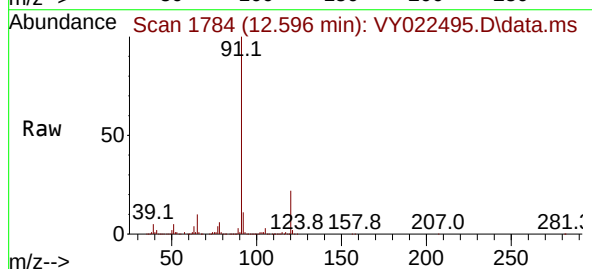
06/03/2025
Supervised By :Mahesh
Dadoda

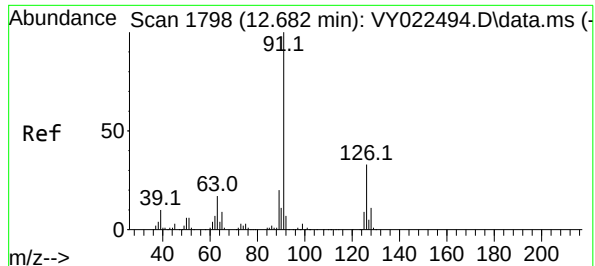
06/03/2025



#78
n-propylbenzene
Concen: 103.002 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 1517453
Ion Ratio Lower Upper
91 100
120 22.0 10.8 32.4





#79

2-Chlorotoluene

Concen: 102.984 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 801090

Ion Ratio Lower Upper

91 100

126 34.0 17.0 51.0

Manual Integrations

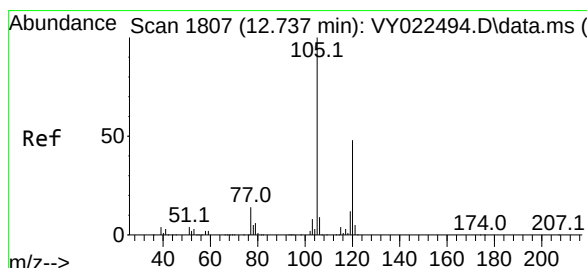
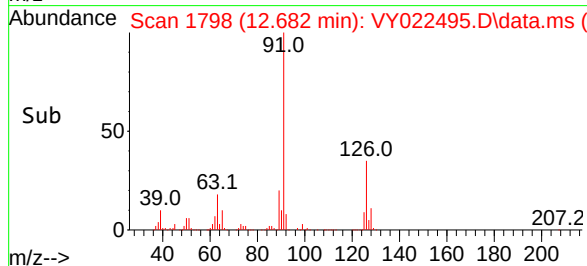
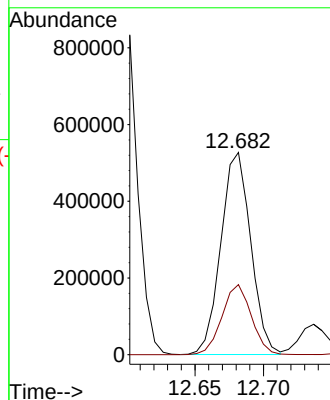
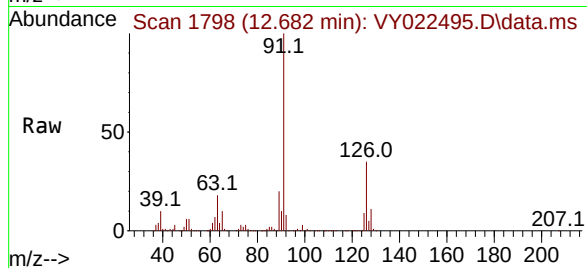
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 103.959 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022495.D

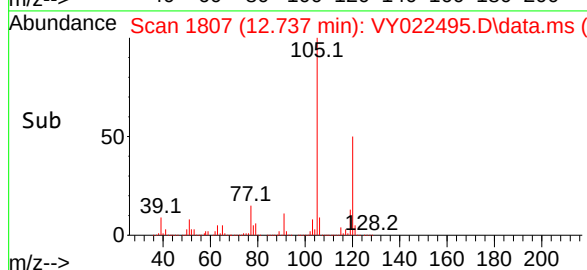
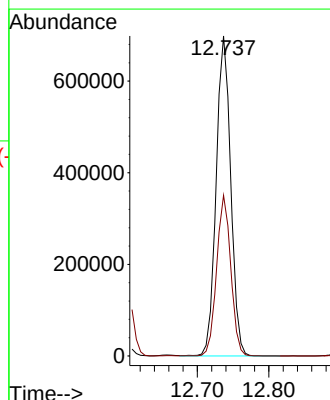
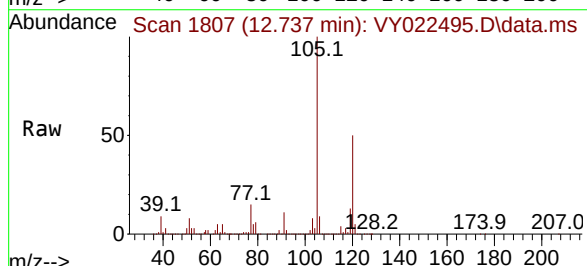
Acq: 02 Jun 2025 13:17

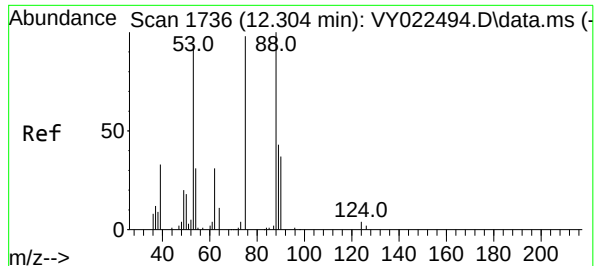
Tgt Ion:105 Resp: 983812

Ion Ratio Lower Upper

105 100

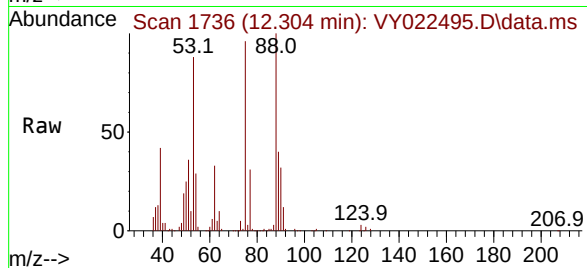
120 48.9 24.1 72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 104.845 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



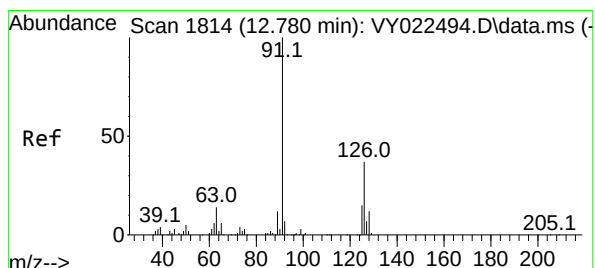
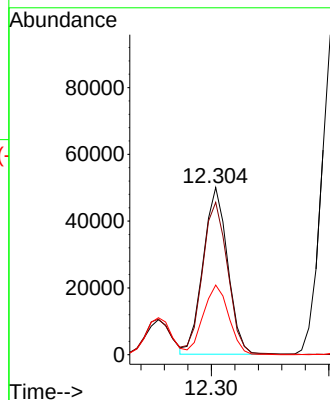
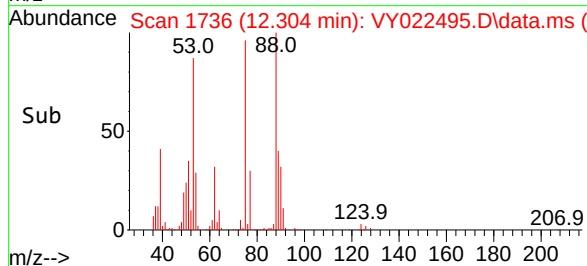
Tgt Ion: 75 Resp: 72518
Ion Ratio Lower Upper
75 100
53 94.6 78.5 117.7
89 43.2 35.7 53.5

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

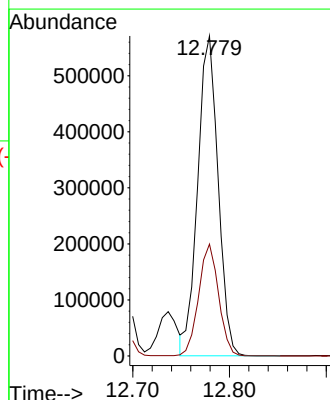
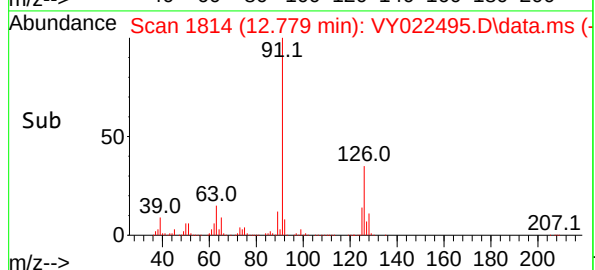
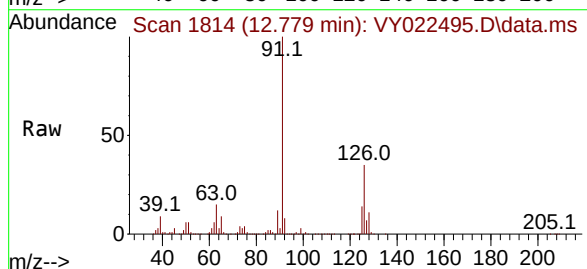
06/03/2025
Supervised By :Mahesh
Dadoda

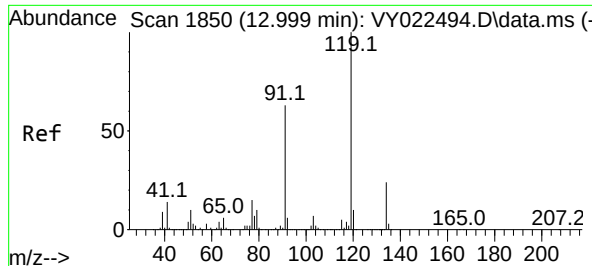
06/03/2025



#82
4-Chlorotoluene
Concen: 103.758 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

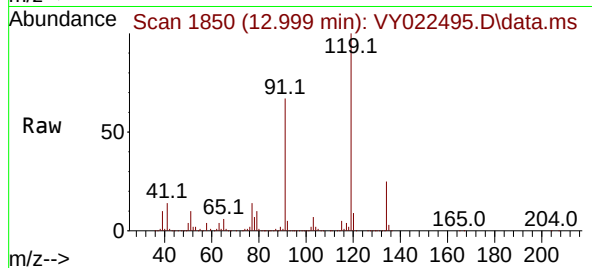
Tgt Ion: 91 Resp: 836500
Ion Ratio Lower Upper
91 100
126 34.4 17.0 50.9





#83
tert-Butylbenzene
Concen: 102.740 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



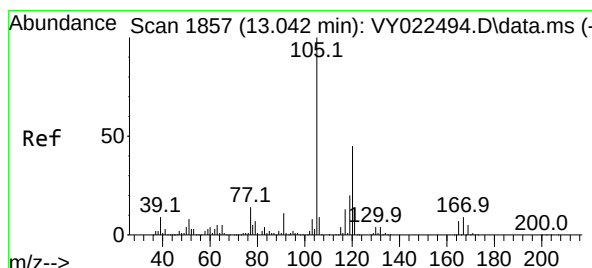
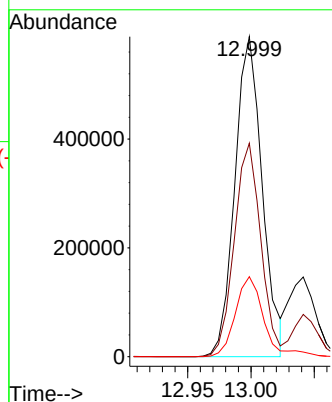
Tgt Ion:119 Resp: 88694
Ion Ratio Lower Upper
119 100
91 64.5 32.1 96.3
134 25.9 13.0 38.9

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

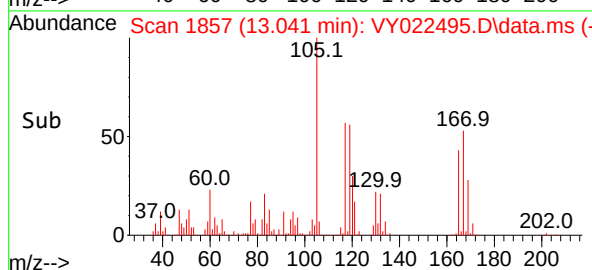
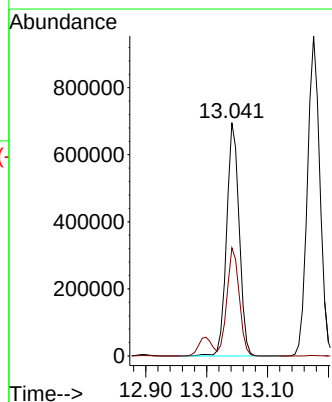
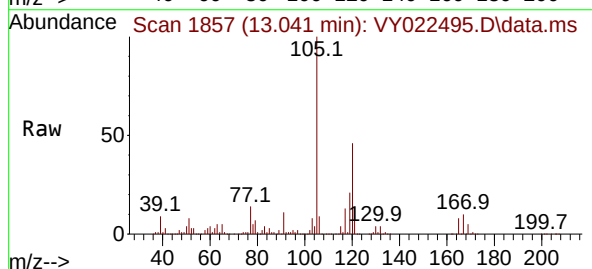
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Dadoda

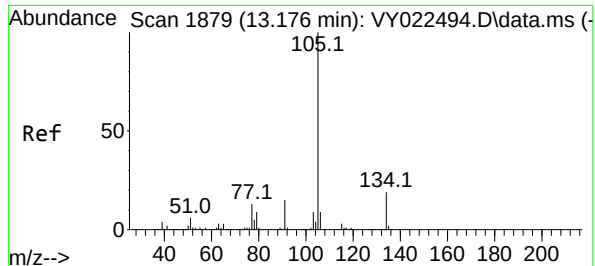
06/03/2025



#84
1,2,4-Trimethylbenzene
Concen: 104.854 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 992770
Ion Ratio Lower Upper
105 100
120 45.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 103.006 ug/l

RT: 13.175 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 1348209

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9

Manual Integrations

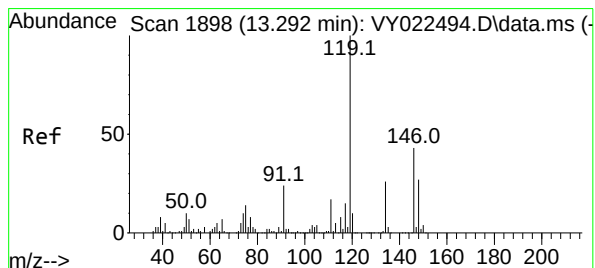
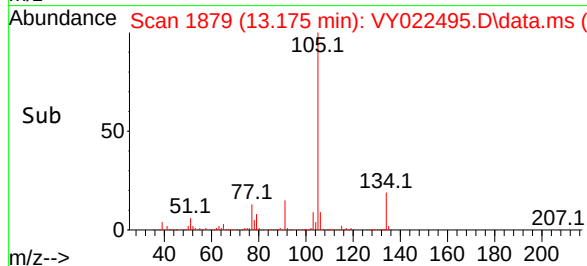
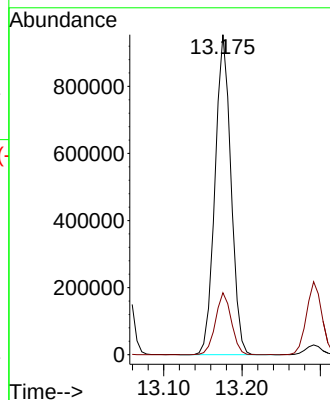
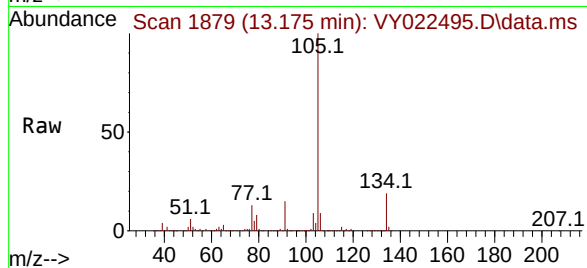
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Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

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#86

p-Isopropyltoluene

Concen: 106.760 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

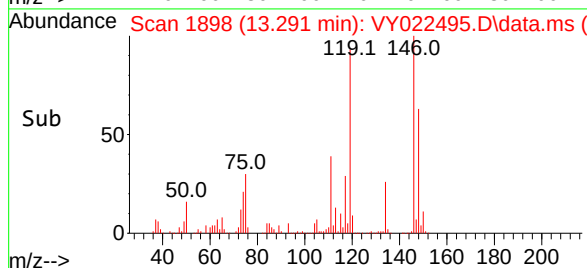
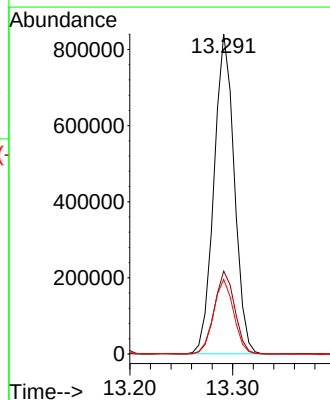
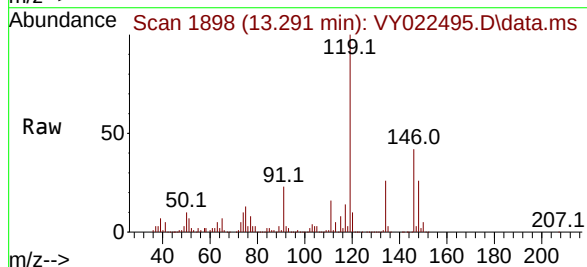
Tgt Ion:119 Resp: 1148821

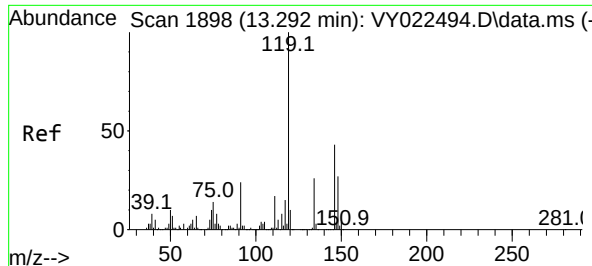
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 23.2 11.6 34.8





#87
1,3-Dichlorobenzene
Concen: 105.879 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.007 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

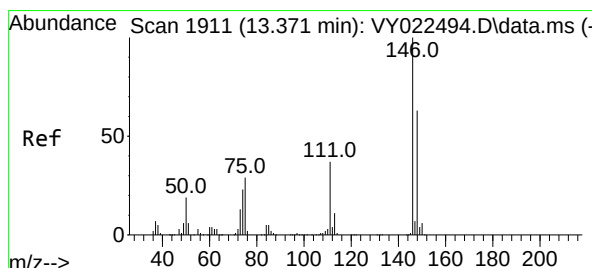
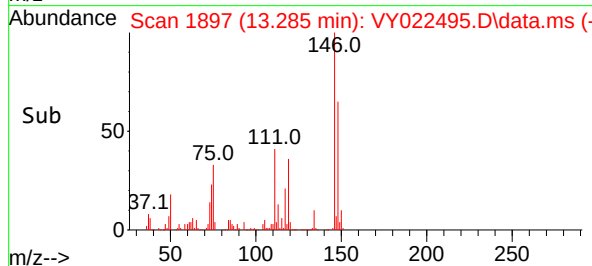
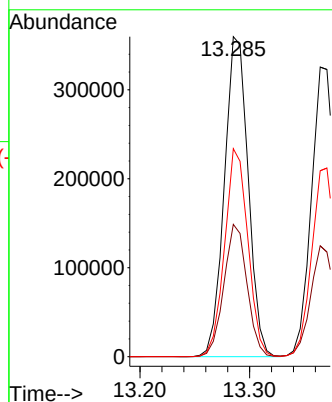
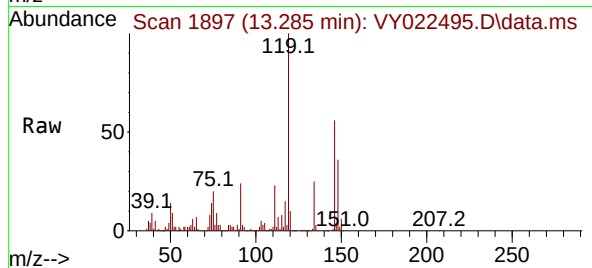
Tgt Ion:146 Resp: 543390
Ion Ratio Lower Upper
146 100
111 40.2 20.1 60.2
148 63.4 32.1 96.3

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

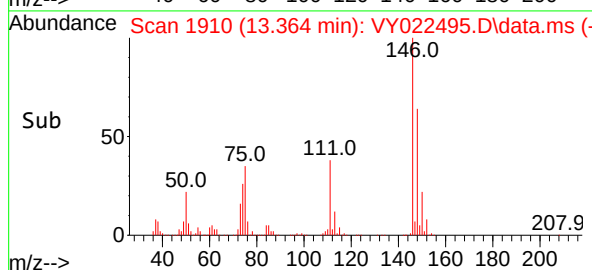
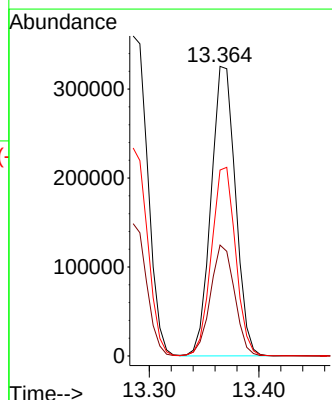
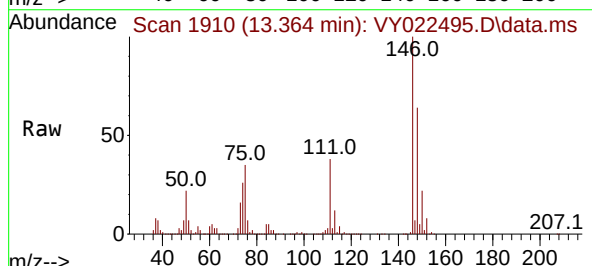
06/03/2025
Supervised By :Mahesh
Dadoda

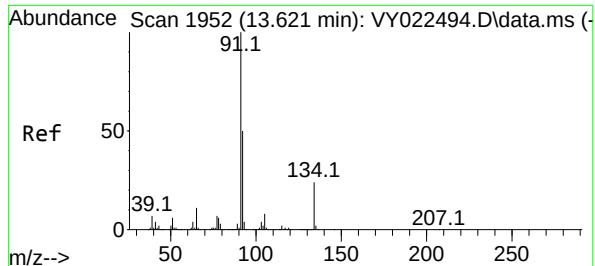
06/03/2025



#88
1,4-Dichlorobenzene
Concen: 100.757 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:146 Resp: 503842
Ion Ratio Lower Upper
146 100
111 37.9 19.4 58.2
148 64.7 31.6 94.8





#89

n-Butylbenzene

Concen: 103.713 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 106259

Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.8
134	24.4	12.0	36.1

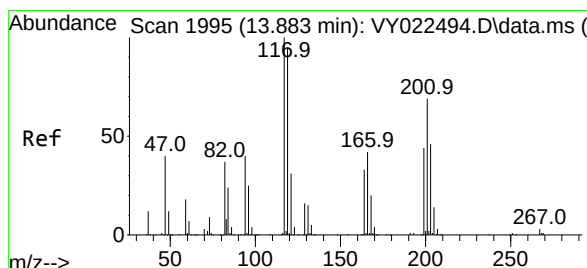
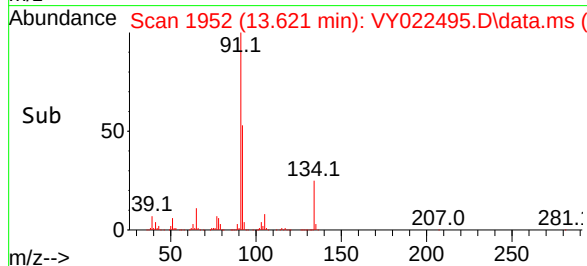
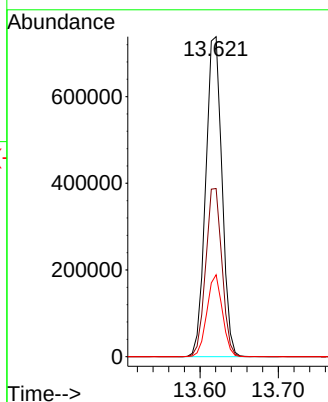
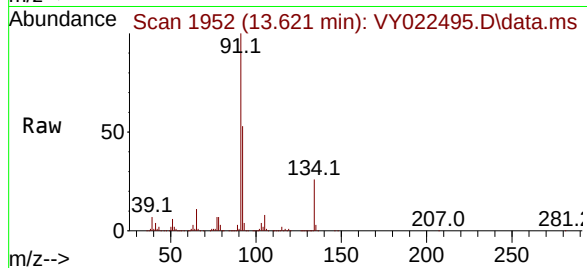
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#90

Hexachloroethane

Concen: 101.224 ug/l

RT: 13.883 min Scan# 1995

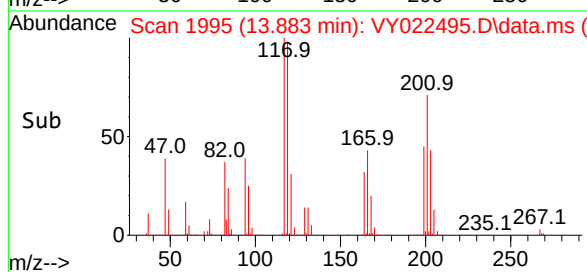
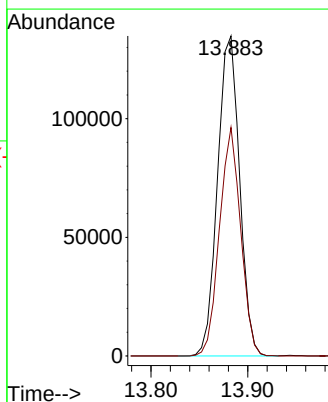
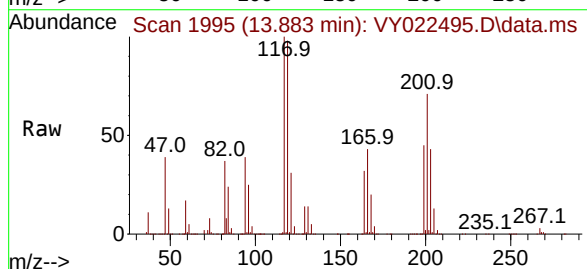
Delta R.T. -0.000 min

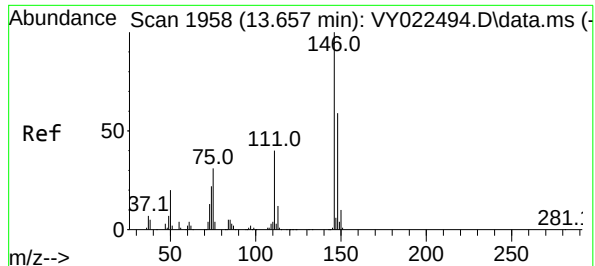
Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 213148

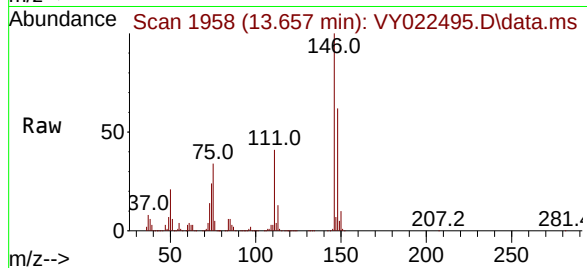
Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.0	102.0





#91
1,2-Dichlorobenzene
Concen: 101.511 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



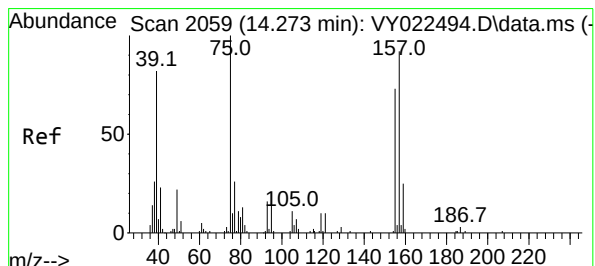
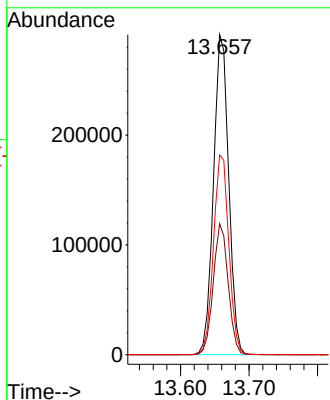
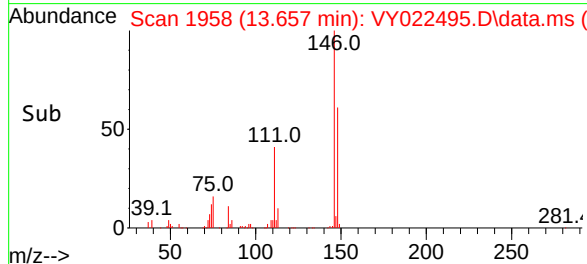
Tgt Ion:146 Resp: 447574
Ion Ratio Lower Upper
146 100
111 40.2 20.2 60.6
148 63.2 31.4 94.0

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

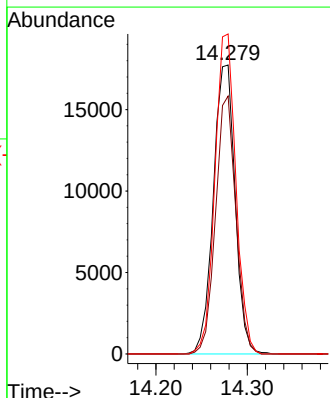
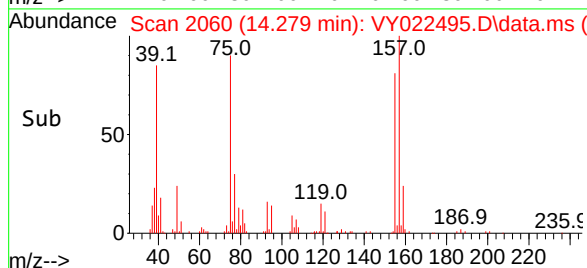
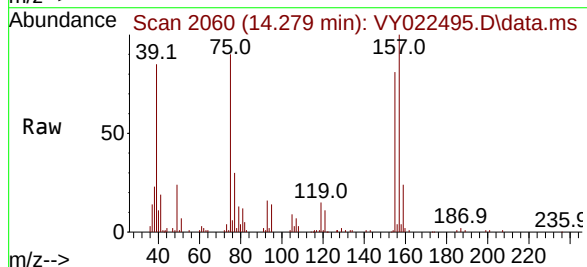
06/03/2025
Supervised By :Mahesh
Dadoda

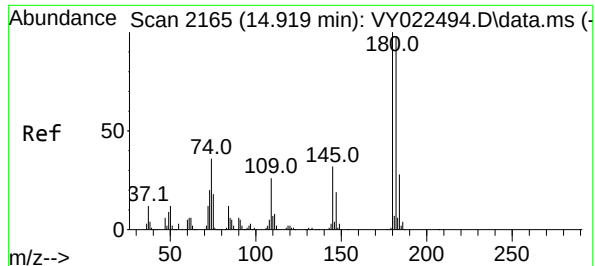
06/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 98.805 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 29357
Ion Ratio Lower Upper
75 100
155 83.2 39.9 119.6
157 106.6 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 106.117 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion:180 Resp: 255752

Ion Ratio Lower Upper

180 100

182 94.5 48.4 145.3

145 29.3 15.5 46.5

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Manual Integrations

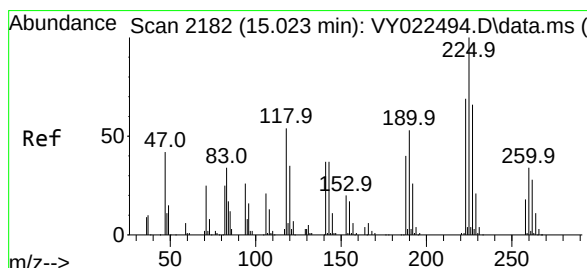
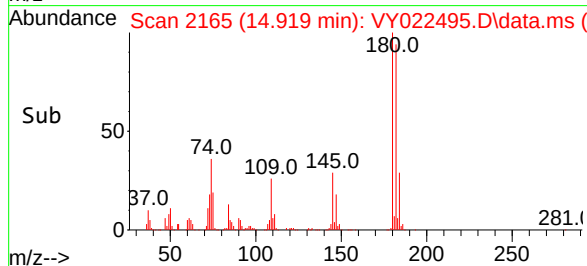
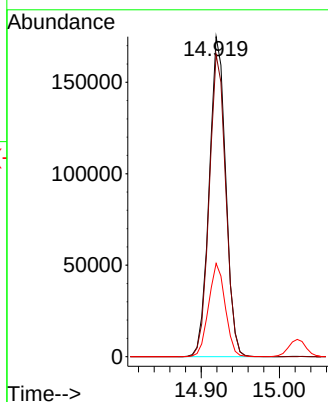
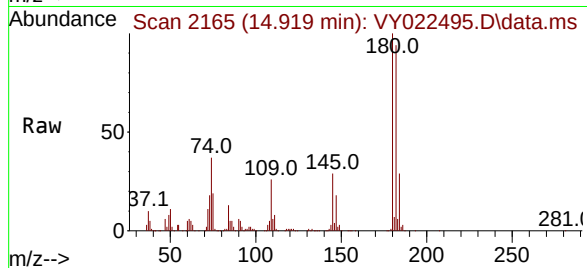
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#94

Hexachlorobutadiene

Concen: 100.622 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

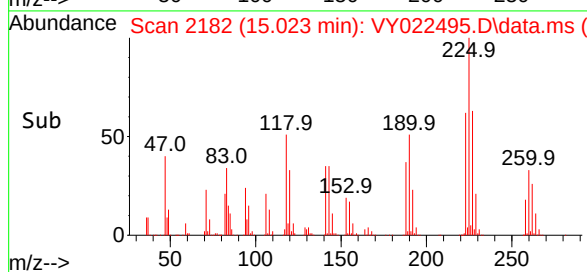
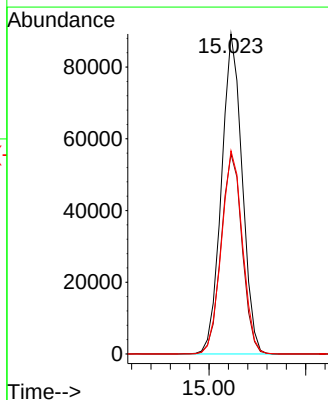
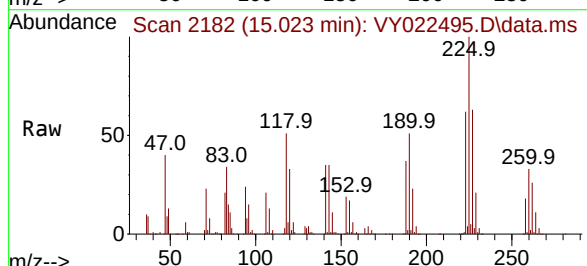
Tgt Ion:225 Resp: 132452

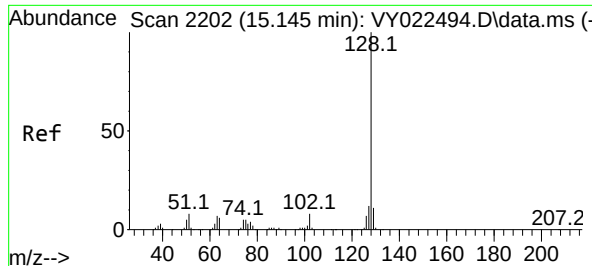
Ion Ratio Lower Upper

225 100

223 63.3 32.5 97.4

227 64.6 32.3 96.9





#95

Naphthalene

Concen: 108.155 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:128	Resp: 499554
Ion Ratio	Lower Upper
128 100	
127 12.6	10.4 15.6
129 10.6	8.9 13.3

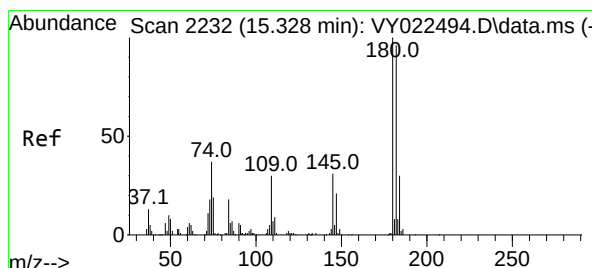
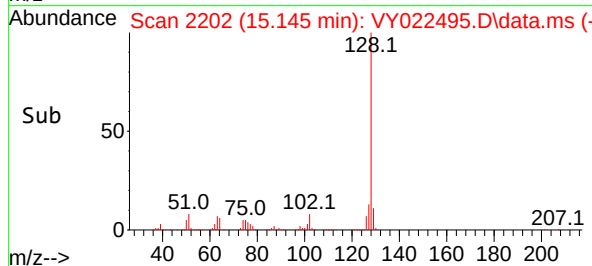
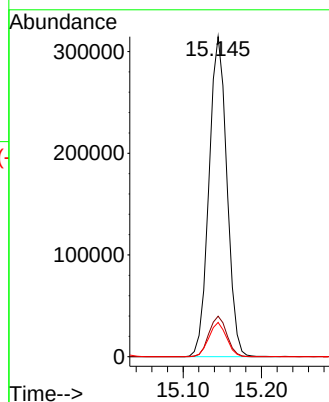
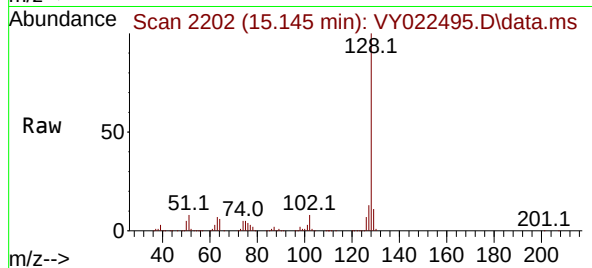
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#96

1,2,3-Trichlorobenzene

Concen: 104.136 ug/l

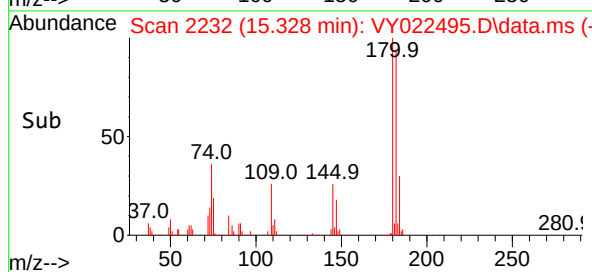
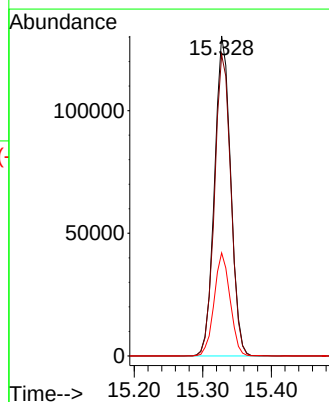
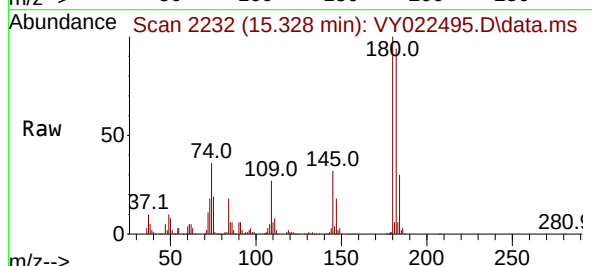
RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion:180	Resp: 213300
Ion Ratio	Lower Upper
180 100	
182 95.3	47.1 141.3
145 31.7	15.2 45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022496.D
 Acq On : 02 Jun 2025 13:39
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/03/2025
 Supervised By : Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	225293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	377706	154.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 308.160%#			
35) Dibromofluoromethane	7.634	113	348038	160.661	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 321.320%#			
50) Toluene-d8	10.109	98	1432587	163.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 327.240%#			
62) 4-Bromofluorobenzene	12.408	95	426573	160.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 321.360%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	273817	139.086	ug/l	96
3) Chloromethane	2.068	50	800733	137.873	ug/l	99
4) Vinyl Chloride	2.202	62	967746	142.366	ug/l	99
5) Bromomethane	2.586	94	970833	150.991	ug/l	99
6) Chloroethane	2.733	64	651603	140.013	ug/l	95
7) Trichlorofluoromethane	3.050	101	885391	153.303	ug/l	98
8) Diethyl Ether	3.458	74	191391	150.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	360800	148.929	ug/l	100
10) Methyl Iodide	4.007	142	416014	160.129	ug/l	100
11) Tert butyl alcohol	4.879	59	128018	731.071	ug/l	100
12) 1,1-Dichloroethene	3.793	96	353193	152.730	ug/l	98
13) Acrolein	3.653	56	156417	731.778	ug/l	100
14) Allyl chloride	4.385	41	551896	153.152	ug/l	100
15) Acrylonitrile	5.061	53	406745	749.634	ug/l	99
16) Acetone	3.879	43	311886	643.577	ug/l	95
17) Carbon Disulfide	4.104	76	1126077	152.513	ug/l	99
18) Methyl Acetate	4.391	43	203507	139.589	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	988071	153.134	ug/l	99
20) Methylene Chloride	4.616	84	371818	137.416	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	399937	154.808	ug/l	99
22) Diisopropyl ether	6.025	45	1244804	155.346	ug/l	99
23) Vinyl Acetate	5.964	43	3806024	800.629	ug/l	100
24) 1,1-Dichloroethane	5.921	63	730276	154.173	ug/l	100
25) 2-Butanone	6.896	43	530692	742.386	ug/l	99
26) 2,2-Dichloropropane	6.890	77	664024	157.698	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	466804	156.334	ug/l	98
28) Bromochloromethane	7.250	49	320509	156.605	ug/l	100
29) Tetrahydrofuran	7.268	42	342435	742.566	ug/l	100
30) Chloroform	7.421	83	717477	153.285	ug/l	94
31) Cyclohexane	7.701	56	667836	140.095	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	660456	157.892	ug/l	99
36) 1,1-Dichloropropene	7.841	75	562935	160.756	ug/l	100
37) Ethyl Acetate	6.988	43	238966	155.059	ug/l	98
38) Carbon Tetrachloride	7.823	117	593167	164.311	ug/l	99
39) Methylcyclohexane	9.109	83	770382	162.851	ug/l	100
40) Benzene	8.085	78	1675603	162.332	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022496.D
 Acq On : 02 Jun 2025 13:39
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	136495	137.523	ug/l	98
42) 1,2-Dichloroethane	8.158	62	442216	157.491	ug/l	98
43) Isopropyl Acetate	8.201	43	522842	155.250	ug/l	98
44) Trichloroethene	8.866	130	394832	156.583	ug/l	97
45) 1,2-Dichloropropane	9.140	63	385206	156.539	ug/l	99
46) Dibromomethane	9.231	93	218014	158.140	ug/l	100
47) Bromodichloromethane	9.426	83	560425	160.221	ug/l	97
48) Methyl methacrylate	9.225	41	252724	163.897	ug/l	99
49) 1,4-Dioxane	9.231	88	50874	3093.301	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	1358512	812.744	ug/l	98
52) Toluene	10.170	92	1093200	168.447	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	537922	166.237	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	615667	162.259	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	274460	158.086	ug/l	97
56) Ethyl methacrylate	10.438	69	423233	167.865	ug/l	99
57) 1,3-Dichloropropane	10.719	76	488570	158.010	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1000760	890.345	ug/l	100
59) 2-Hexanone	10.762	43	896627	804.699	ug/l	100
60) Dibromochloromethane	10.914	129	356873	162.227	ug/l	100
61) 1,2-Dibromoethane	11.018	107	254128	158.625	ug/l	96
64) Tetrachloroethene	10.646	164	406758	152.453	ug/l	98
65) Chlorobenzene	11.444	112	1113347	163.544	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	395046	171.190	ug/l	99
67) Ethyl Benzene	11.518	91	2196819	173.285	ug/l	100
68) m/p-Xylenes	11.627	106	1694177	353.103	ug/l	100
69) o-Xylene	11.957	106	777688	173.188	ug/l	99
70) Styrene	11.969	104	1334986	179.564	ug/l	99
71) Bromoform	12.133	173	201469	166.138	ug/l #	99
73) Isopropylbenzene	12.255	105	2011262	166.060	ug/l	100
74) N-amyl acetate	12.072	43	508301	165.957	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	310641	157.927	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	231729m	116.768	ug/l	
77) Bromobenzene	12.530	156	417122	162.489	ug/l	100
78) n-propylbenzene	12.597	91	2416013	163.876	ug/l	98
79) 2-Chlorotoluene	12.682	91	1275581	163.862	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1576906	166.511	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	111432	160.989	ug/l	96
82) 4-Chlorotoluene	12.780	91	1334965	165.467	ug/l	99
83) tert-Butylbenzene	12.999	119	1434641	166.064	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1623289	171.323	ug/l	99
85) sec-Butylbenzene	13.176	105	2140445	163.415	ug/l	100
86) p-Isopropyltoluene	13.292	119	1877539	174.353	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	885058	172.326	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	803022	160.470	ug/l	99
89) n-Butylbenzene	13.615	91	1691118	164.939	ug/l	99
90) Hexachloroethane	13.877	117	338845	160.801	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	705129	159.809	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	44514	149.709	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	390170	161.773	ug/l	97
94) Hexachlorobutadiene	15.023	225	199423	151.389	ug/l	98
95) Naphthalene	15.145	128	753279	162.970	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	321960	157.072	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

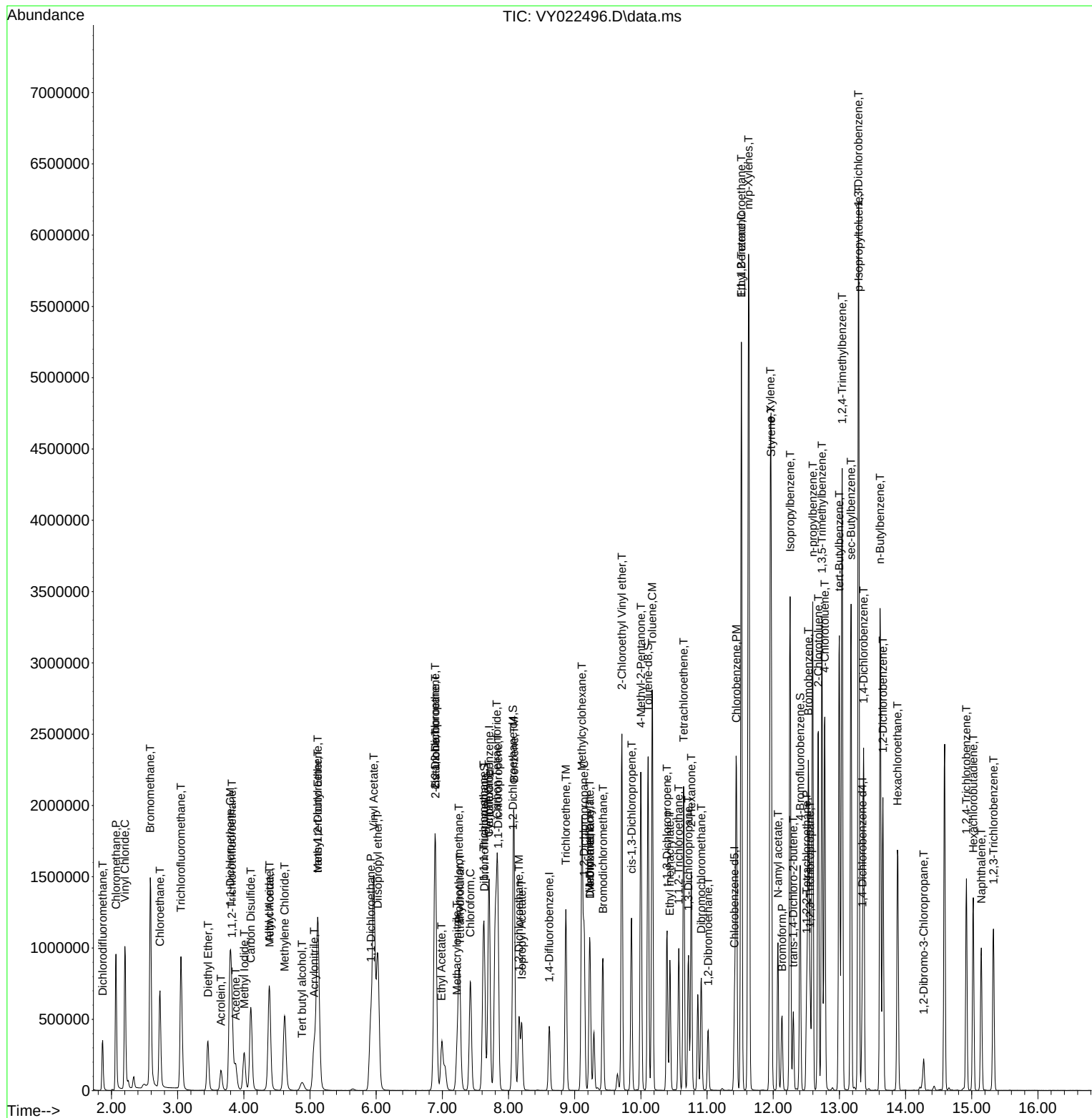
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

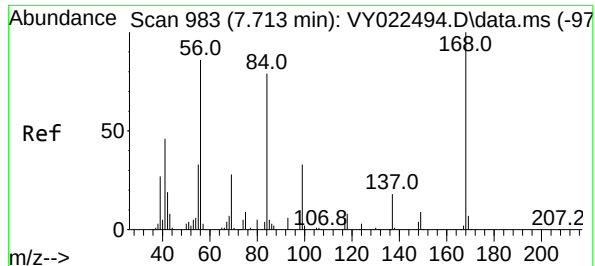
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration





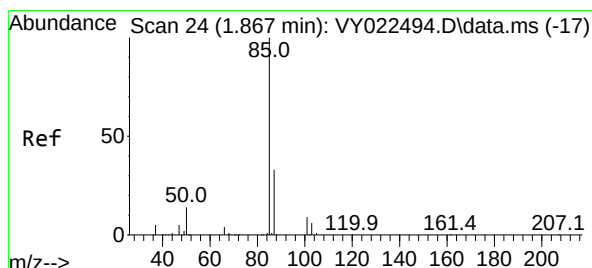
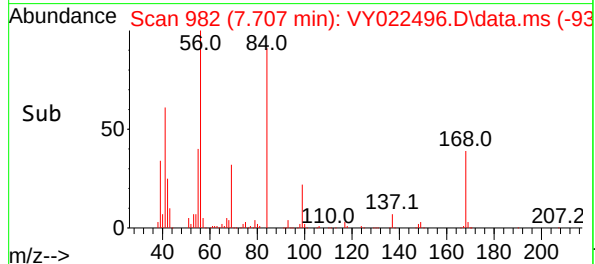
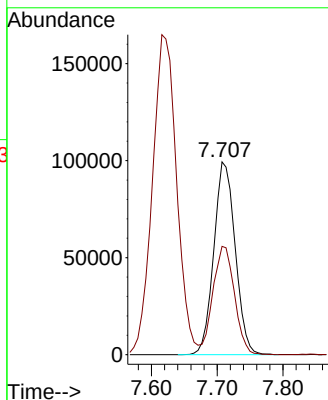
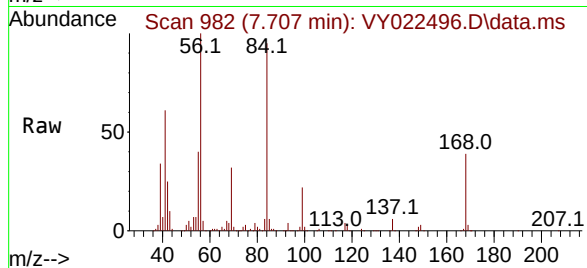
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 983
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
Client Sample Id :
VSTDICC150

Tgt Ion: 168 Resp: 225293
Ion Ratio Lower Upper
168 100
99 56.1 44.3 66.5

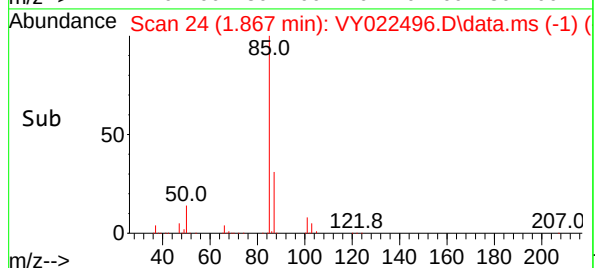
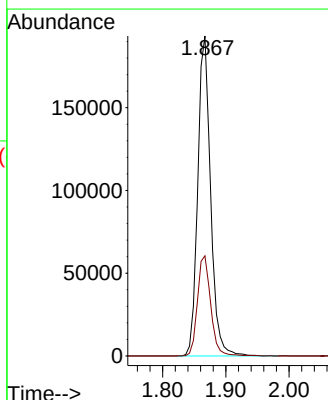
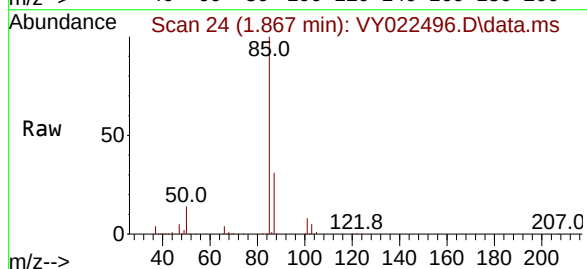
Manual Integrations
APPROVED

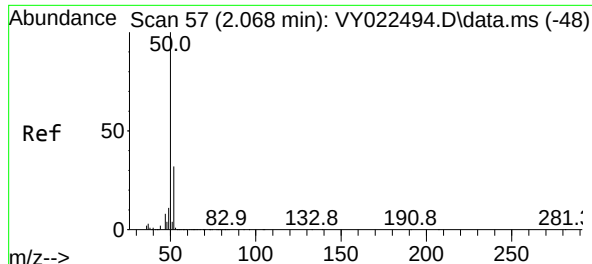
Reviewed By : Semsettin Yesilyurt 06/03/2025
Supervised By : Mahesh Dadoda 06/03/2025



#2
Dichlorodifluoromethane
Concen: 139.086 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

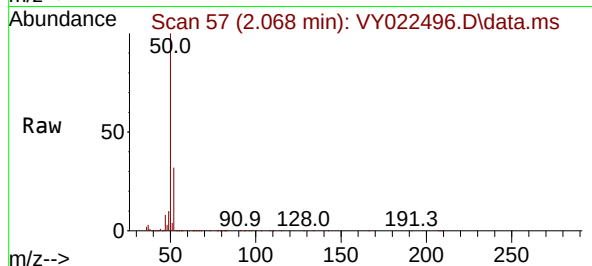
Tgt Ion: 85 Resp: 273817
Ion Ratio Lower Upper
85 100
87 31.3 16.7 50.0





#3
Chloromethane
Concen: 137.873 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

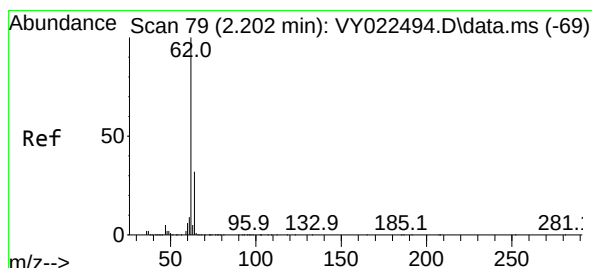
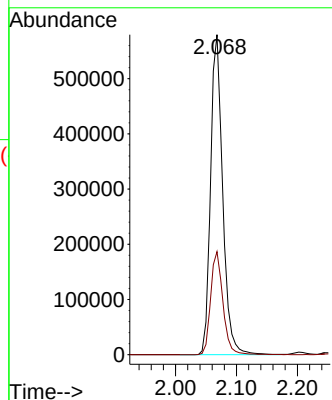
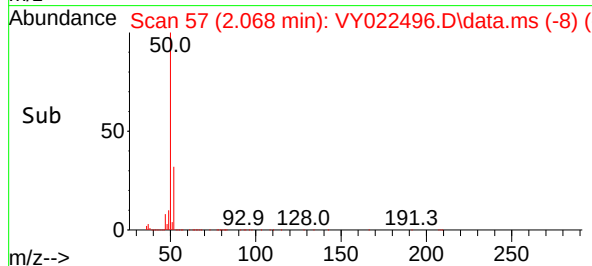
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



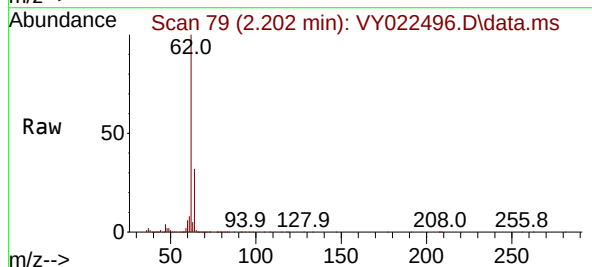
Tgt Ion: 50 Resp: 800733
Ion Ratio Lower Upper
50 100
52 32.2 26.0 39.0

Manual Integrations
APPROVED

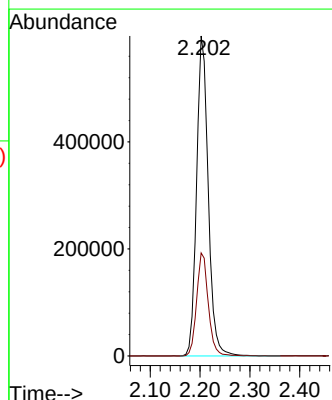
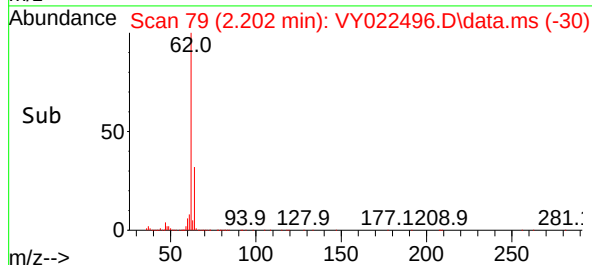
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

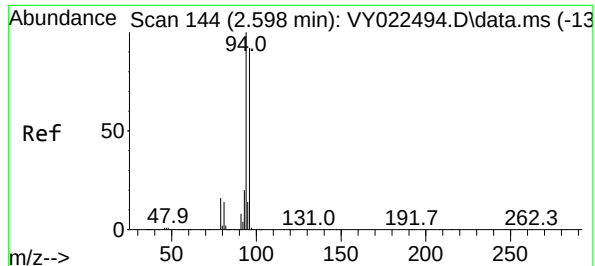


#4
Vinyl Chloride
Concen: 142.366 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39



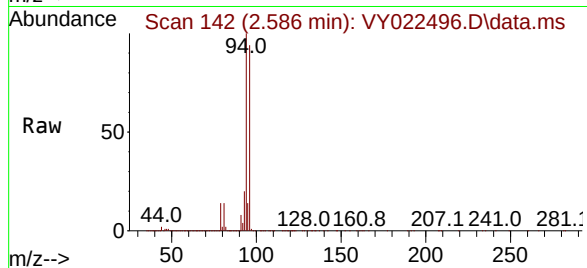
Tgt Ion: 62 Resp: 967746
Ion Ratio Lower Upper
62 100
64 32.2 25.3 37.9





#5
Bromomethane
Concen: 150.991 ug/l
RT: 2.586 min Scan# 144
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

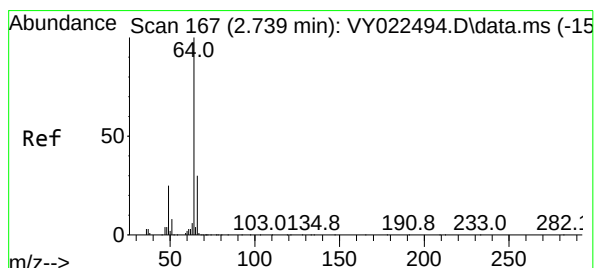
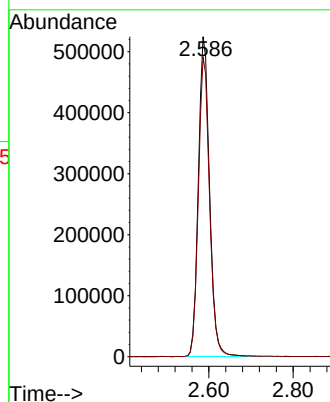
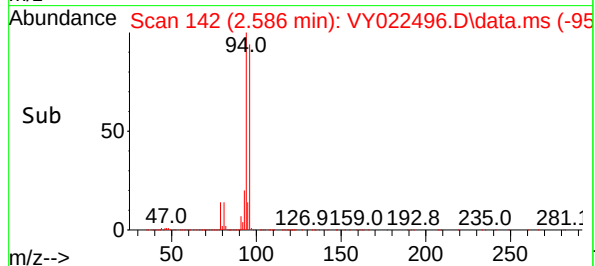
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 970833
Ion Ratio Lower Upper
94 100
96 93.7 74.0 111.0

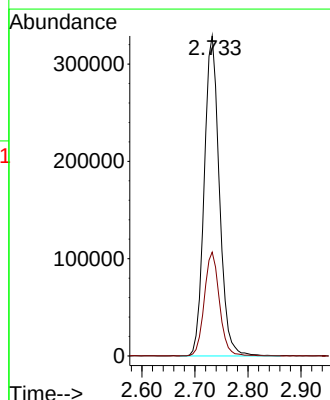
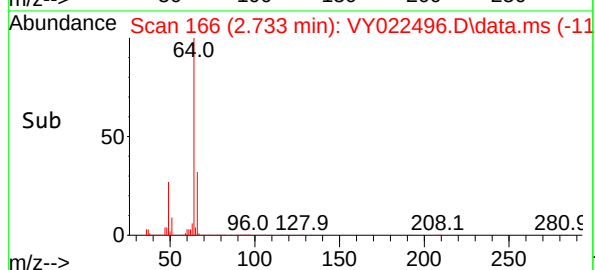
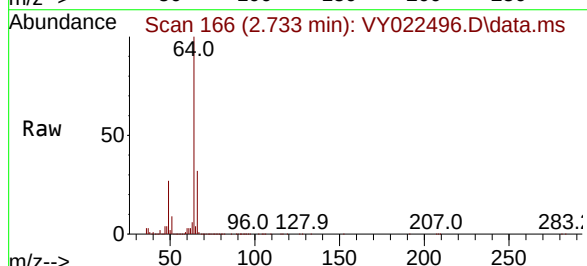
Manual Integrations
APPROVED

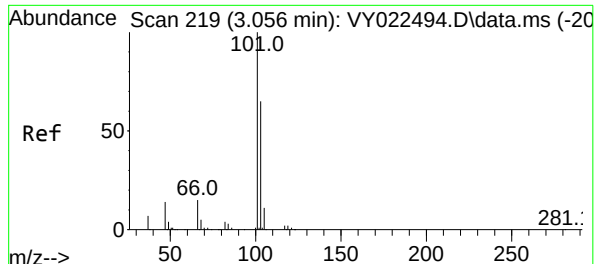
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#6
Chloroethane
Concen: 140.013 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

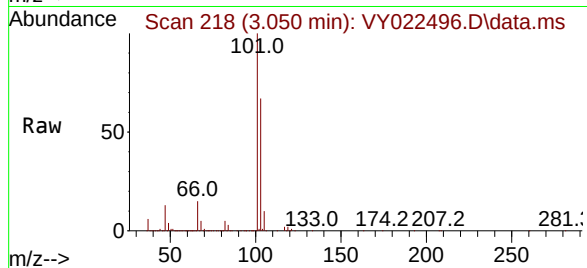
Tgt Ion: 64 Resp: 651603
Ion Ratio Lower Upper
64 100
66 32.4 23.8 35.6





#7
Trichlorofluoromethane
Concen: 153.303 ug/l
RT: 3.050 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

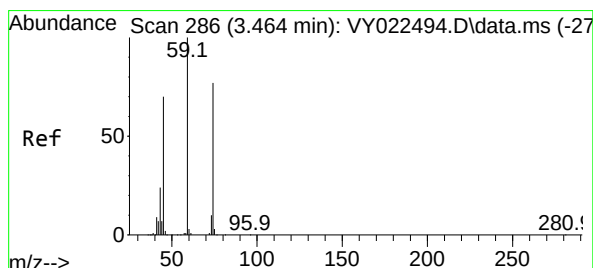
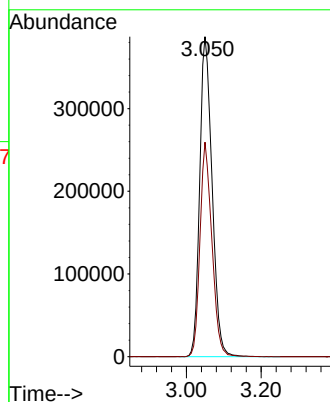
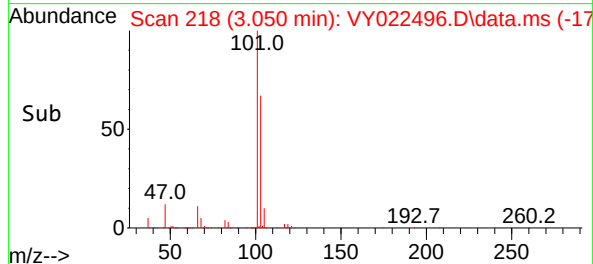
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



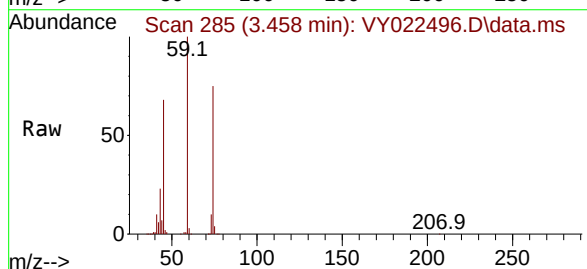
Tgt Ion:101 Resp: 88539
Ion Ratio Lower Upper
101 100
103 67.0 52.2 78.2

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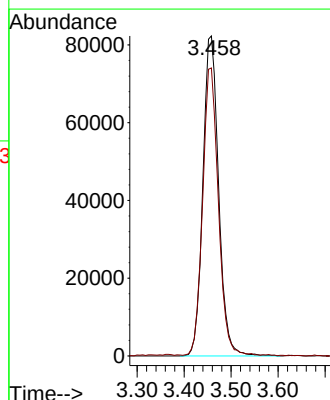
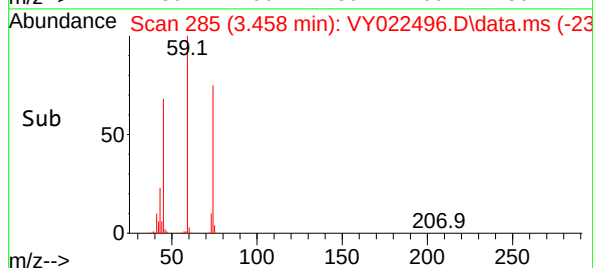
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

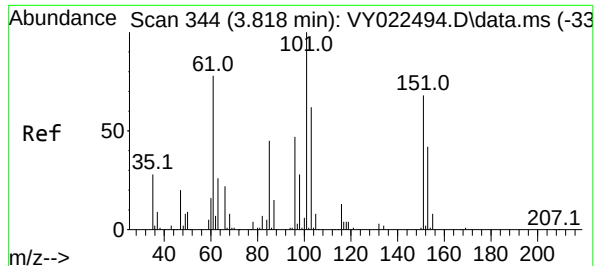


#8
Diethyl Ether
Concen: 150.036 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39



Tgt Ion: 74 Resp: 191391
Ion Ratio Lower Upper
74 100
45 89.8 45.9 137.6





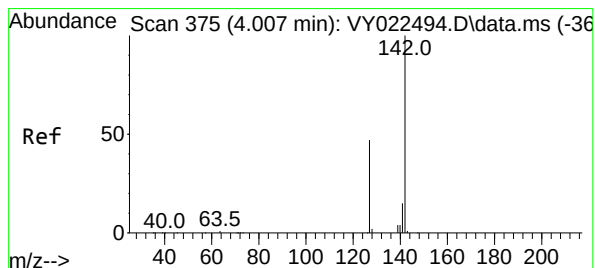
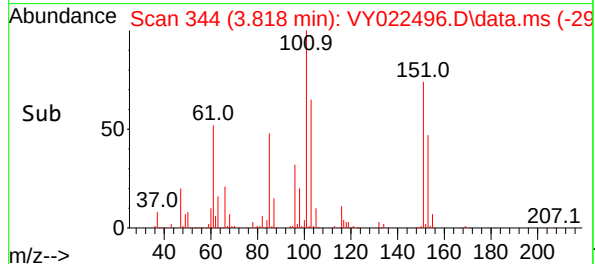
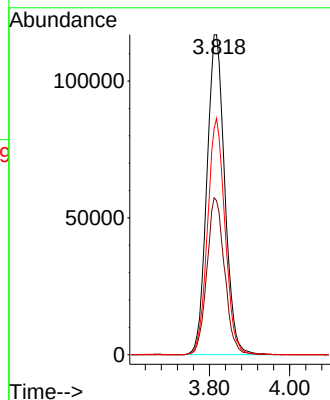
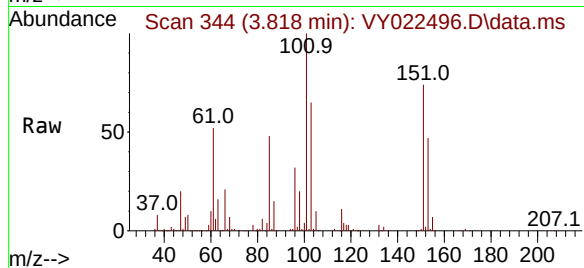
#9
1,1,2-Trichlorotrifluoroethane
Concen: 148.929 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 360800
Ion Ratio Lower Upper
101 100
85 48.7 39.3 58.9
151 72.4 57.8 86.8

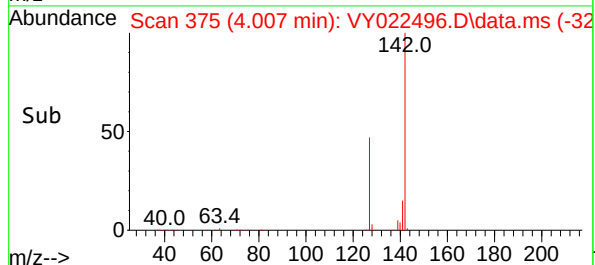
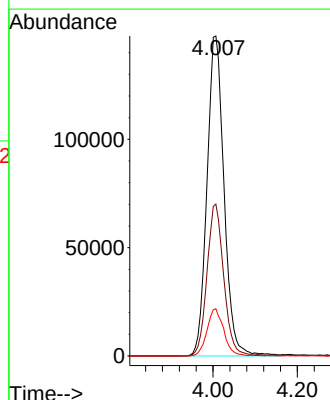
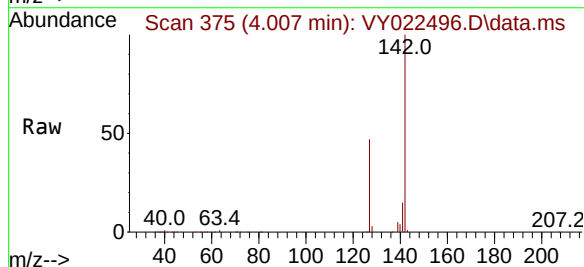
Manual Integrations
APPROVED

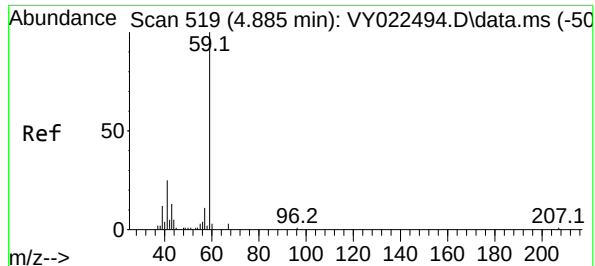
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#10
Methyl Iodide
Concen: 160.129 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:142 Resp: 416014
Ion Ratio Lower Upper
142 100
127 46.7 37.1 55.7
141 14.6 11.4 17.2





#11

Tert butyl alcohol

Concen: 731.071 ug/l

RT: 4.879 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 59 Resp: 128018

Ion Ratio Lower Upper

59 100

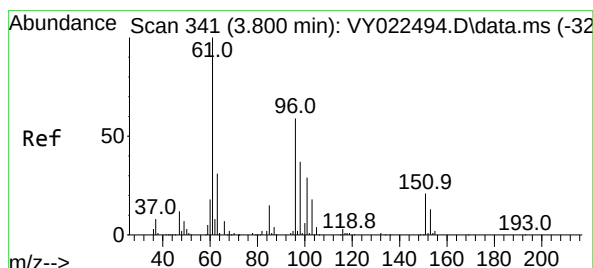
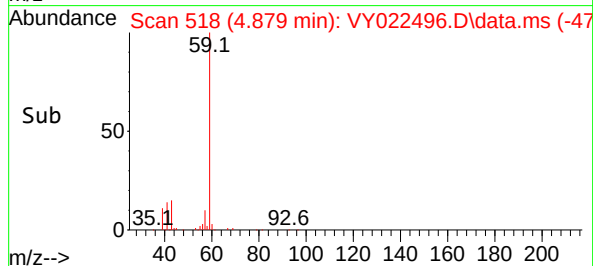
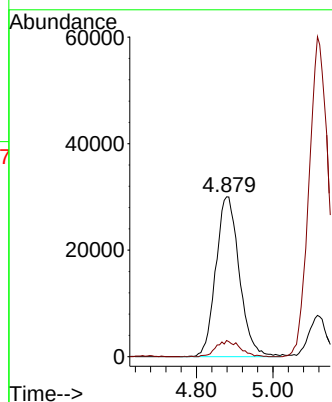
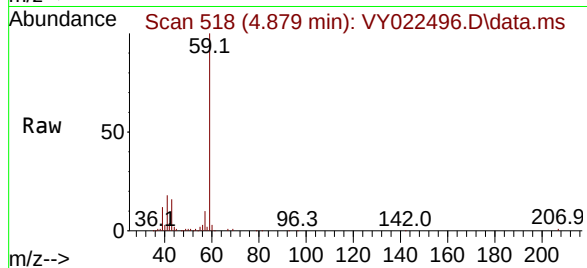
57 10.1 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#12

1,1-Dichloroethene

Concen: 152.730 ug/l

RT: 3.793 min Scan# 340

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

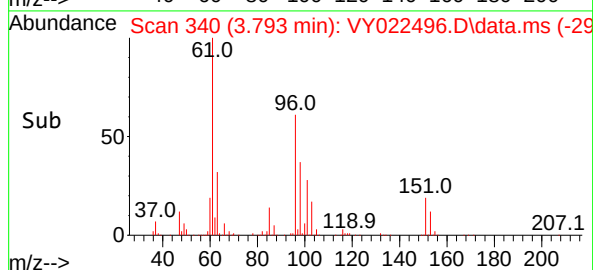
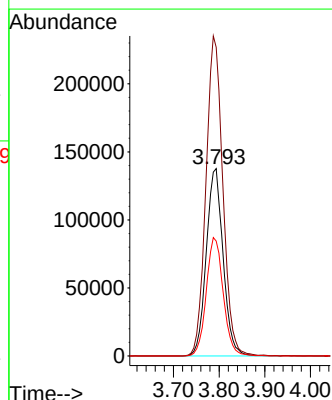
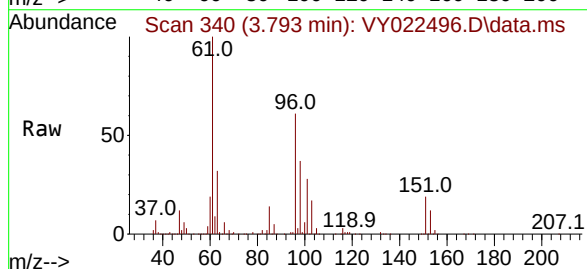
Tgt Ion: 96 Resp: 353193

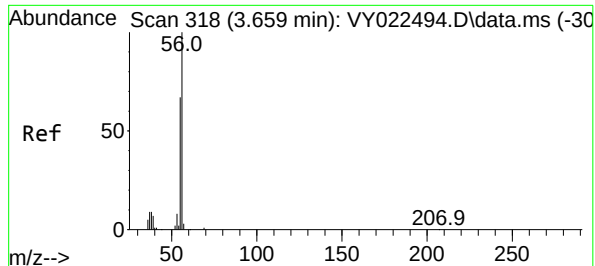
Ion Ratio Lower Upper

96 100

61 164.8 134.6 201.8

98 61.3 50.2 75.4





#13

Acrolein

Concen: 731.778 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Tgt Ion: 56 Resp: 15641

Ion Ratio Lower Upper

56 100

55 70.9 57.0 85.6

Instrument :

MSVOA_Y

ClientSampleId :

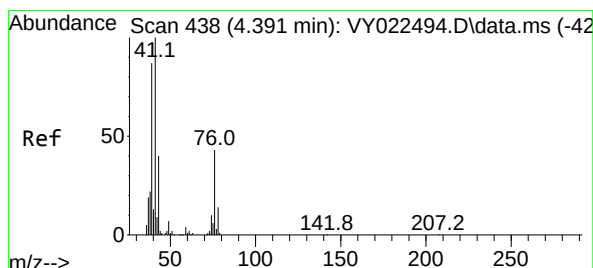
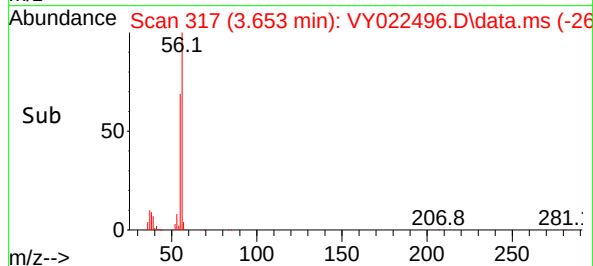
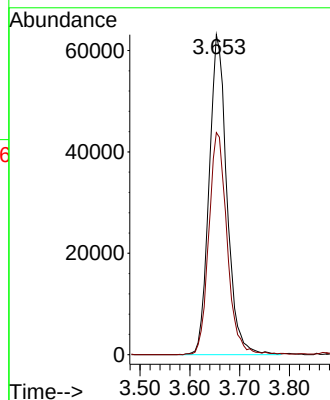
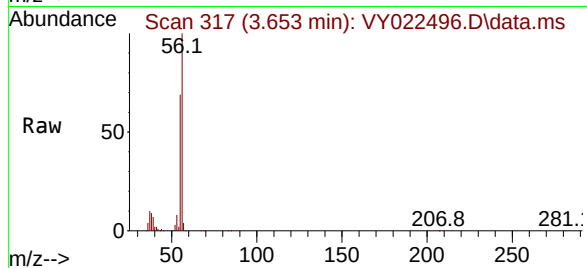
VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#14

Allyl chloride

Concen: 153.152 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

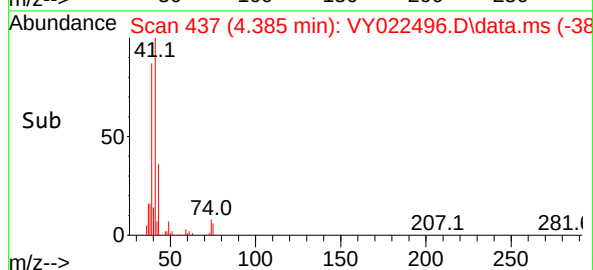
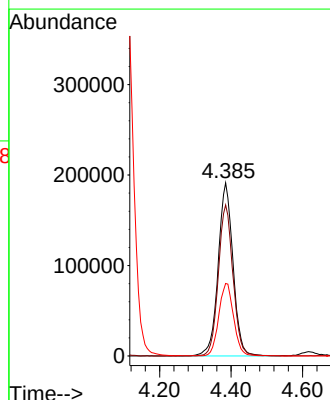
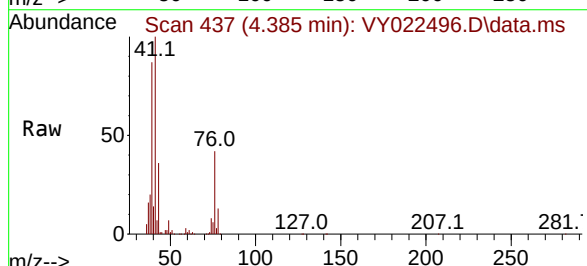
Tgt Ion: 41 Resp: 551896

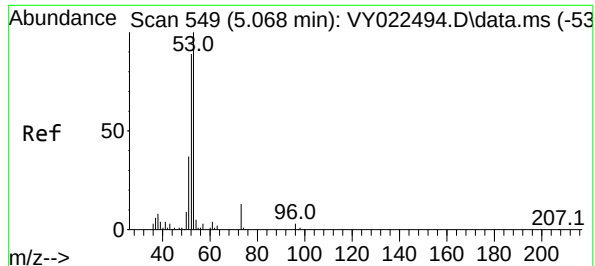
Ion Ratio Lower Upper

41 100

39 86.2 69.1 103.7

76 41.5 33.5 50.3





#15

Acrylonitrile

Concen: 749.634 ug/l

RT: 5.061 min Scan# 549

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 406749

Ion Ratio Lower Upper

53 100

52 81.8 65.7 98.5

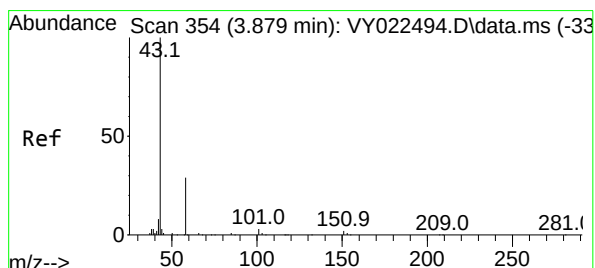
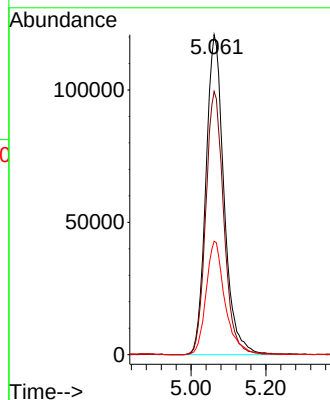
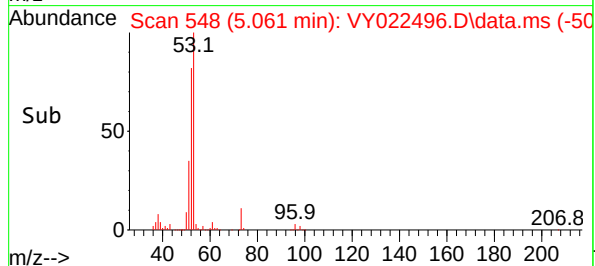
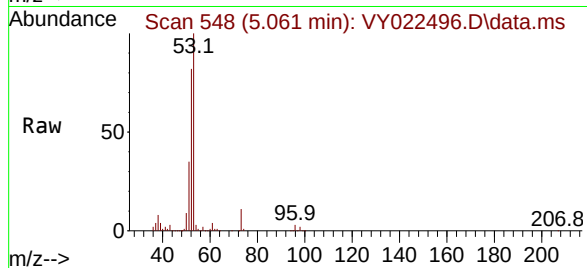
51 37.1 30.1 45.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#16

Acetone

Concen: 643.577 ug/l

RT: 3.879 min Scan# 354

Delta R.T. -0.000 min

Lab File: VY022496.D

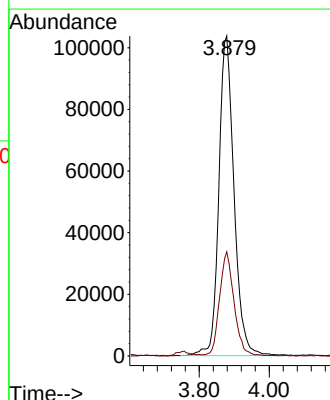
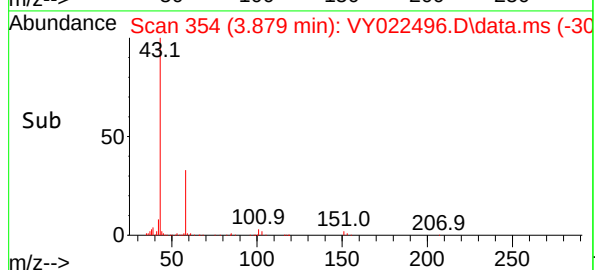
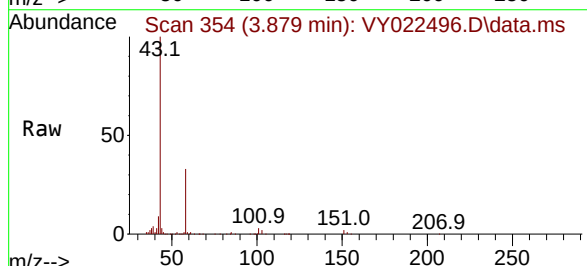
Acq: 02 Jun 2025 13:39

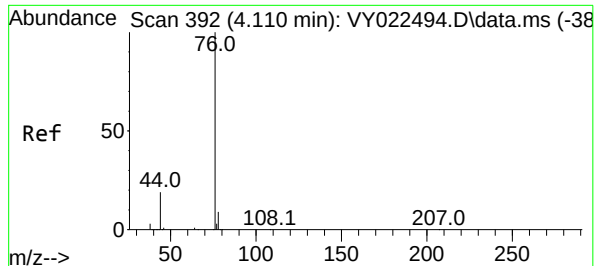
Tgt Ion: 43 Resp: 311886

Ion Ratio Lower Upper

43 100

58 32.5 24.0 36.0





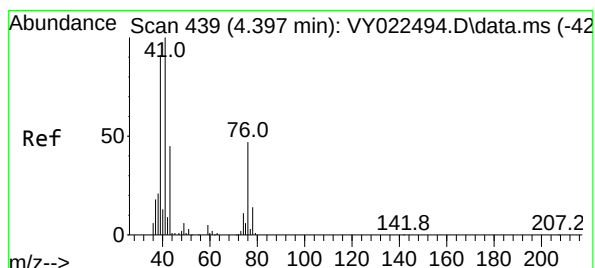
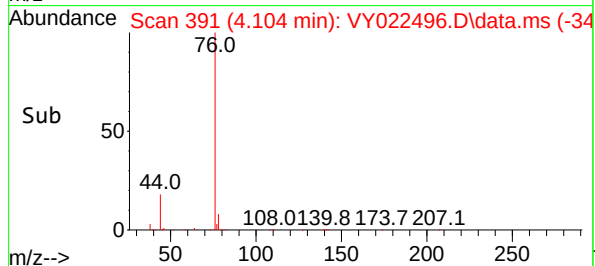
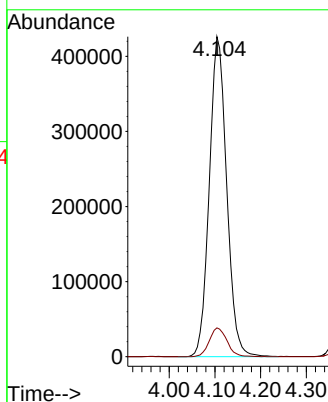
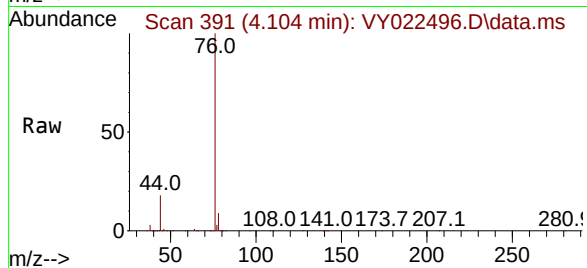
#17
Carbon Disulfide
Concen: 152.513 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 112607
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

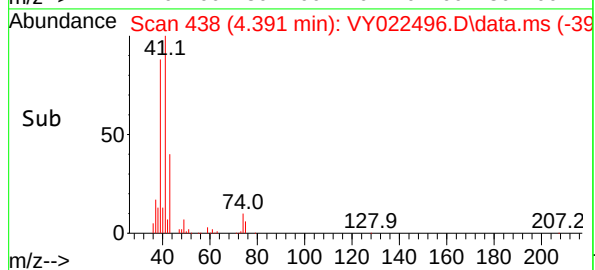
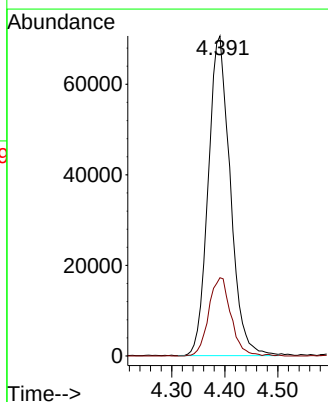
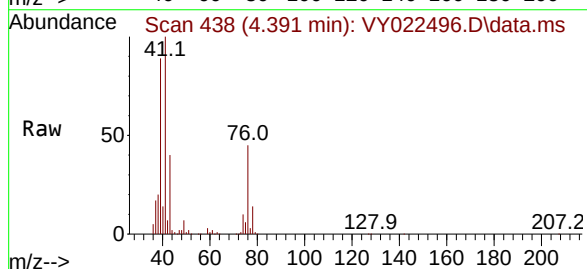
Manual Integrations
APPROVED

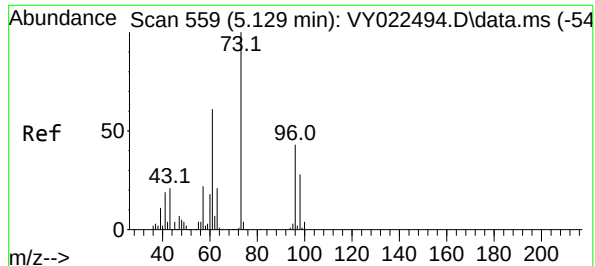
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#18
Methyl Acetate
Concen: 139.589 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 203507
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.6





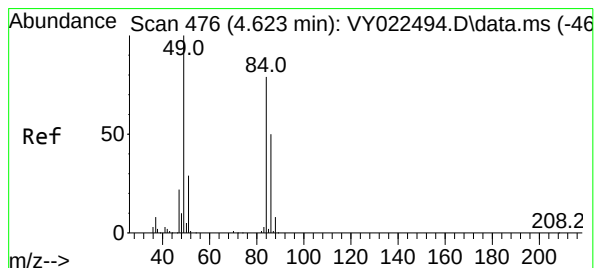
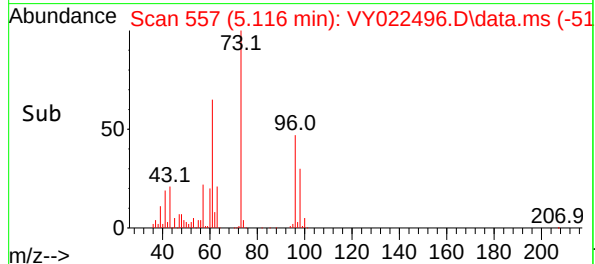
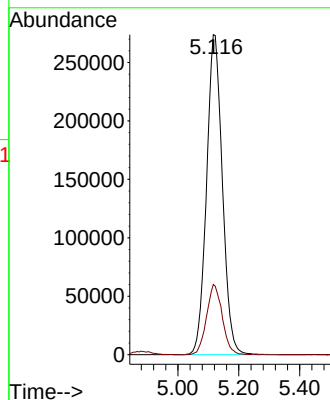
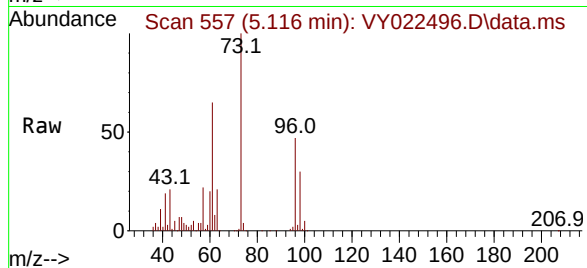
#19
Methyl tert-butyl Ether
Concen: 153.134 ug/l
RT: 5.116 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 98807
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.0

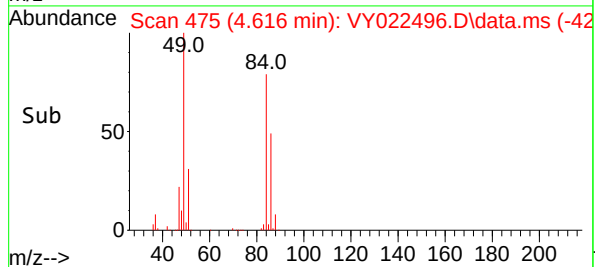
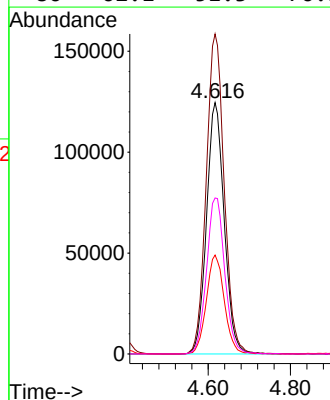
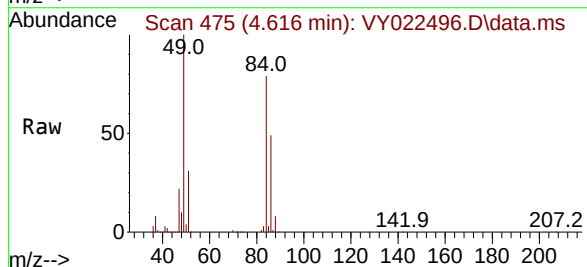
Manual Integrations
APPROVED

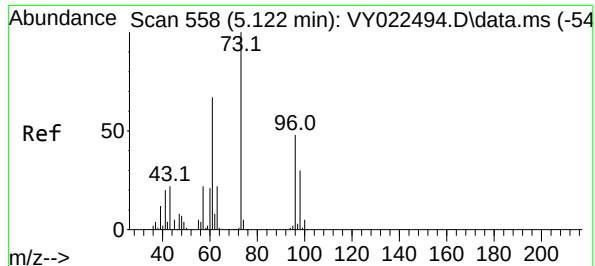
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#20
Methylene Chloride
Concen: 137.416 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

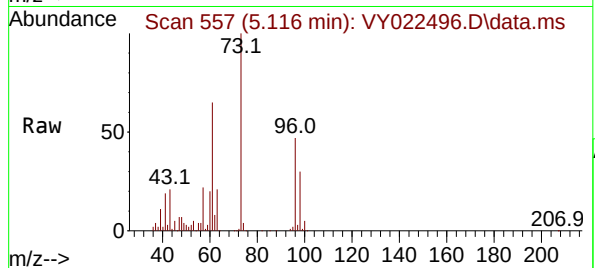
Tgt Ion: 84 Resp: 371818
Ion Ratio Lower Upper
84 100
49 127.3 101.9 152.9
51 39.4 29.8 44.8
86 62.1 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 154.808 ug/l
RT: 5.116 min Scan# 5116
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

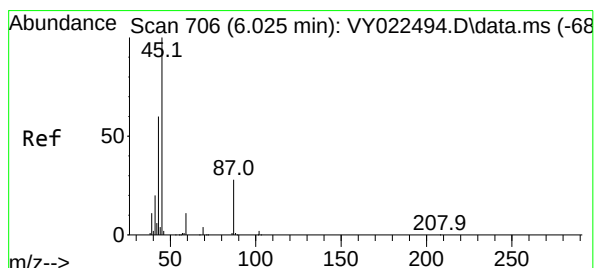
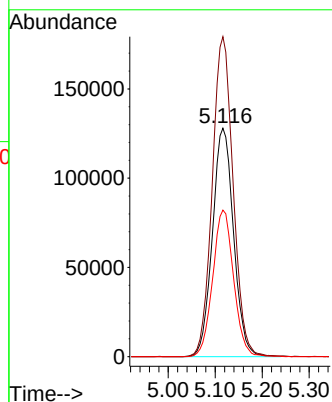
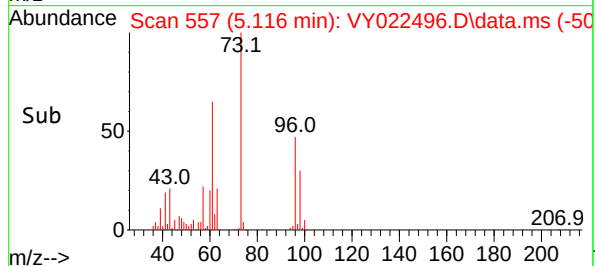
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 96 Resp: 39993
Ion Ratio Lower Upper
96 100
61 140.1 112.6 169.0
98 64.1 50.6 75.8

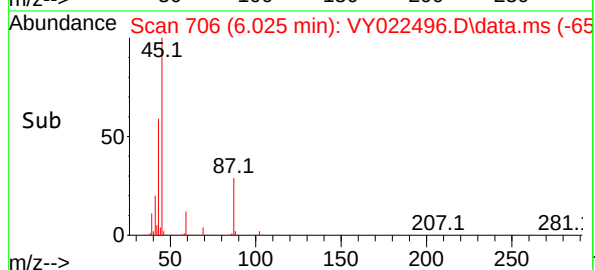
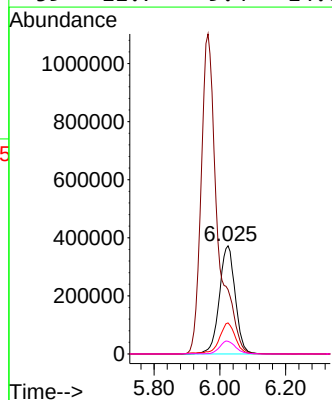
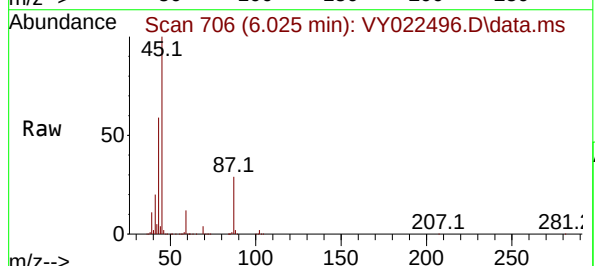
Manual Integrations
APPROVED

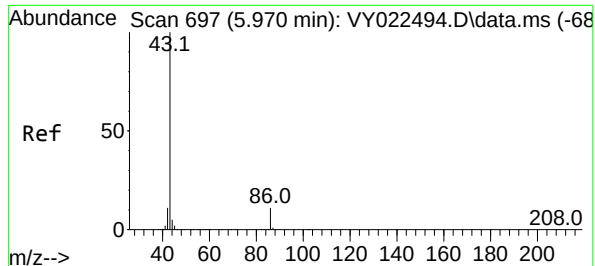
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#22
Diisopropyl ether
Concen: 155.346 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 45 Resp: 1244804
Ion Ratio Lower Upper
45 100
43 59.5 48.3 72.5
87 28.6 23.0 34.6
59 11.7 9.4 14.0





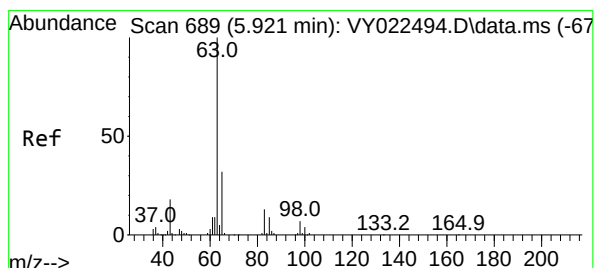
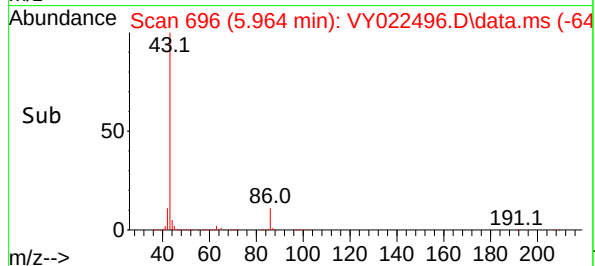
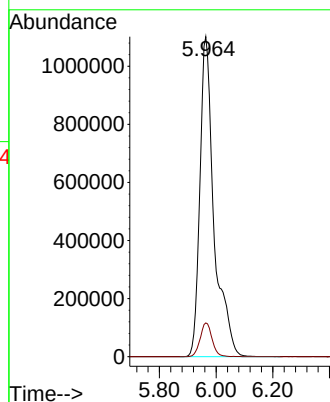
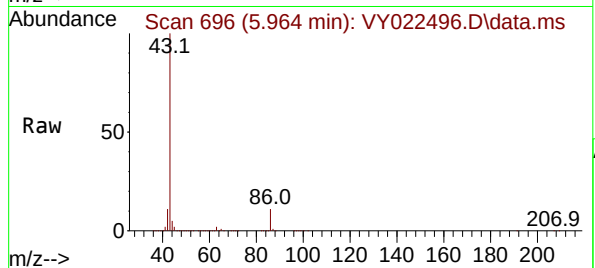
#23
Vinyl Acetate
Concen: 800.629 ug/l
RT: 5.964 min Scan# 697
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 3806024
Ion Ratio Lower Upper
43 100
86 10.6 8.6 12.8

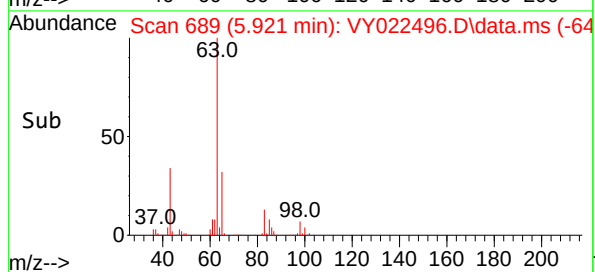
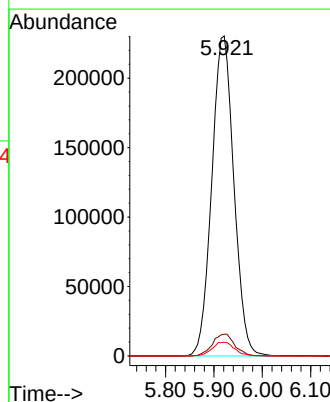
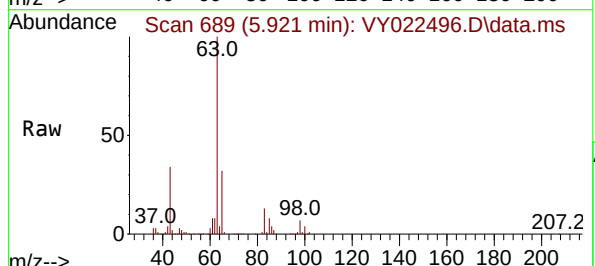
Manual Integrations
APPROVED

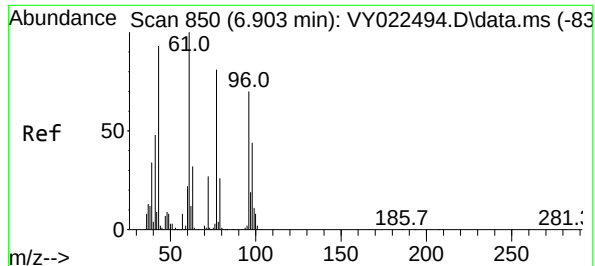
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#24
1,1-Dichloroethane
Concen: 154.173 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 730276
Ion Ratio Lower Upper
63 100
98 6.8 3.4 10.1
100 4.3 2.1 6.3





#25

2-Butanone

Concen: 742.386 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 530692

Ion Ratio Lower Upper

43 100

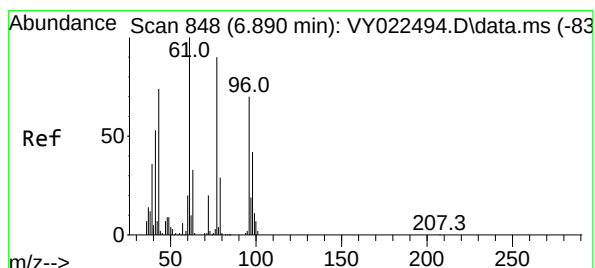
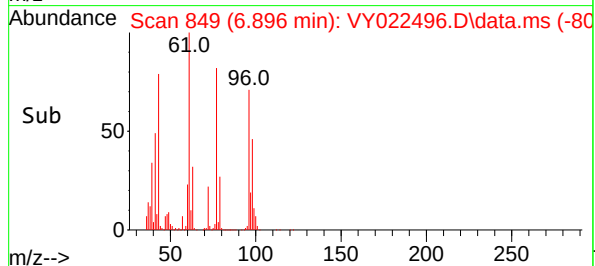
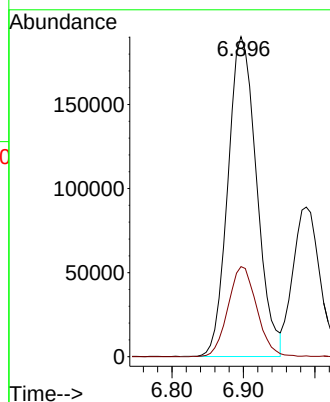
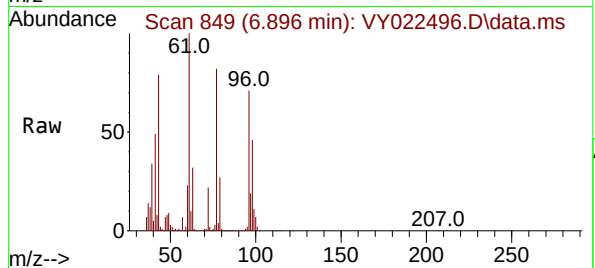
72 28.2 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#26

2,2-Dichloropropane

Concen: 157.698 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022496.D

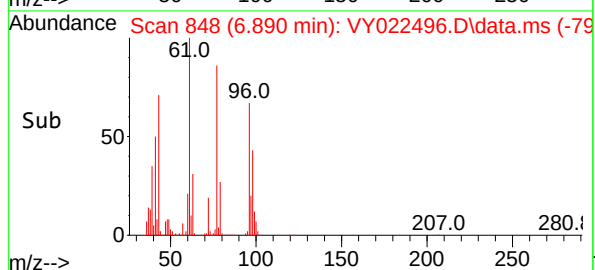
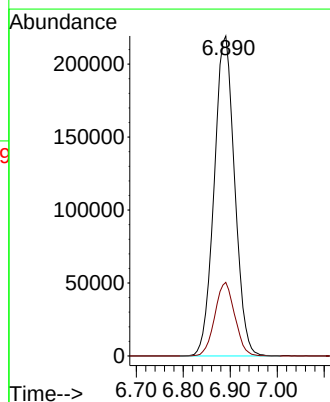
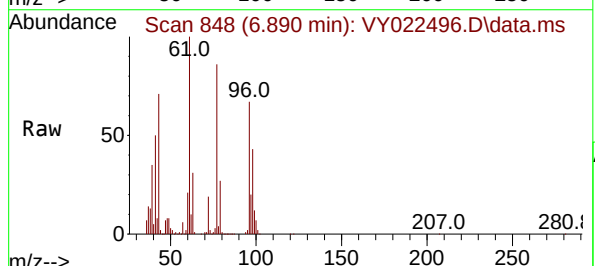
Acq: 02 Jun 2025 13:39

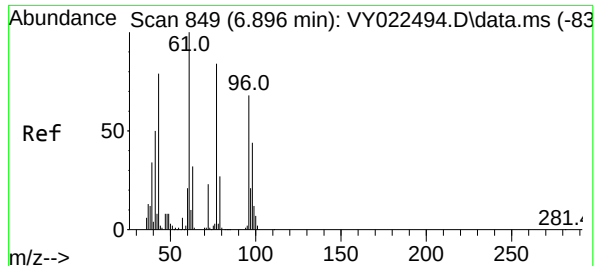
Tgt Ion: 77 Resp: 664024

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 156.334 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 96 Resp: 466804

Ion Ratio Lower Upper

96 100

61 148.6 0.0 290.0

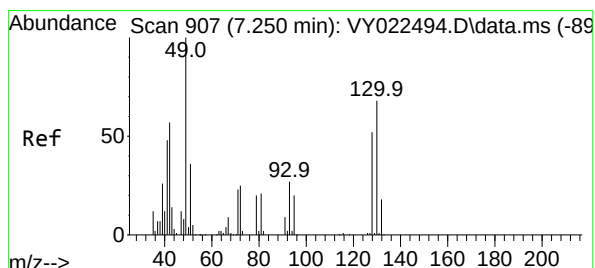
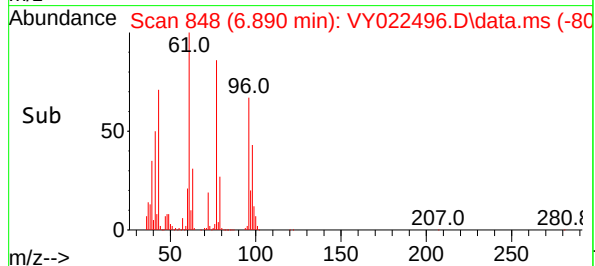
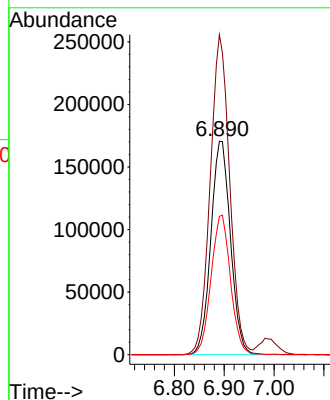
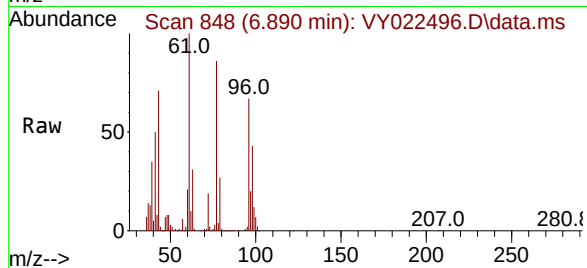
98 64.7 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#28

Bromochloromethane

Concen: 156.605 ug/l

RT: 7.250 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

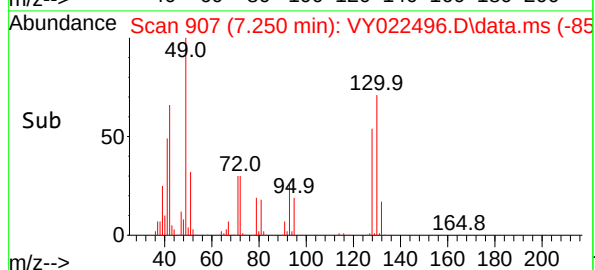
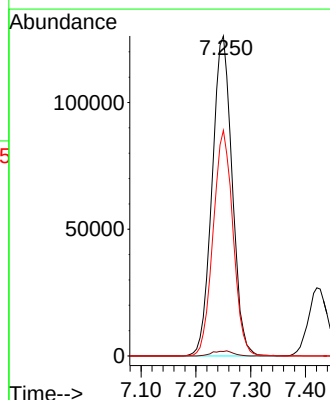
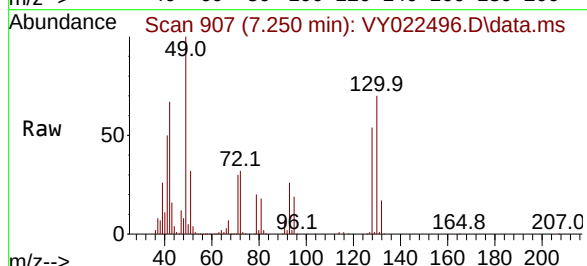
Tgt Ion: 49 Resp: 320509

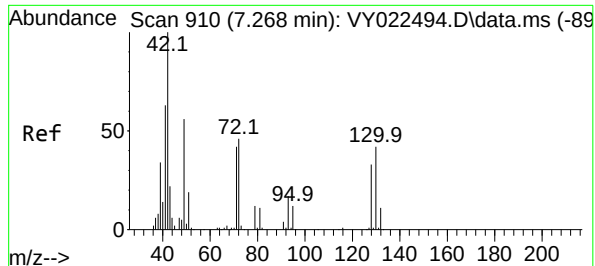
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

130 69.8 55.7 83.5





#29

Tetrahydrofuran

Concen: 742.566 ug/l

RT: 7.268 min Scan# 910

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 342435

Ion Ratio Lower Upper

42 100

72 47.0 37.4 56.2

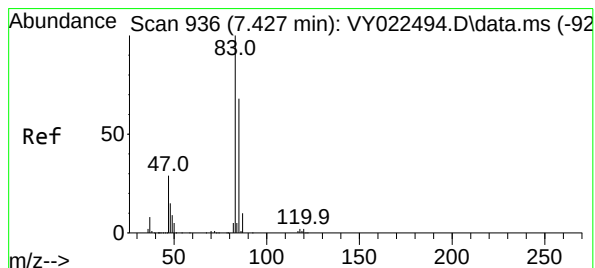
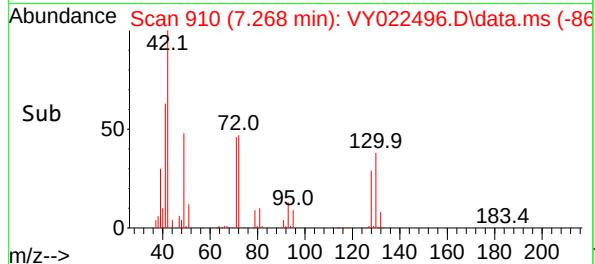
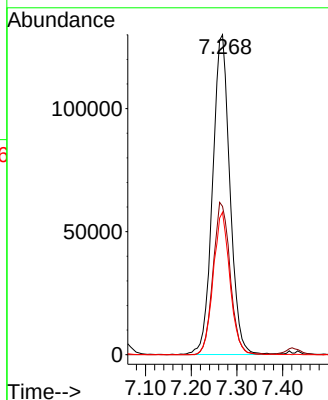
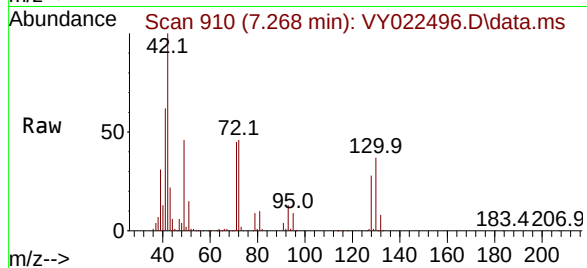
71 42.9 34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#30

Chloroform

Concen: 153.285 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.006 min

Lab File: VY022496.D

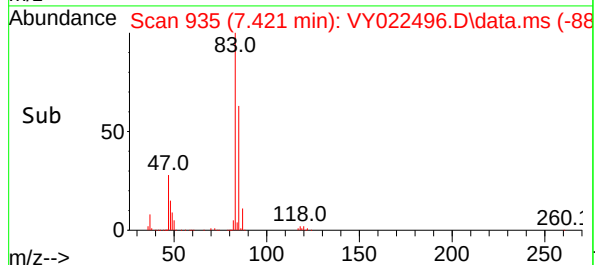
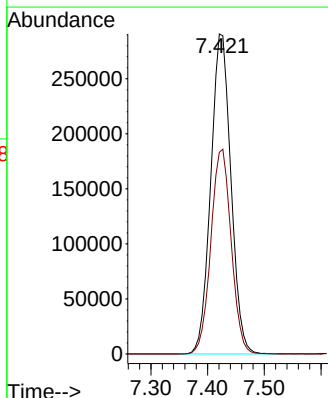
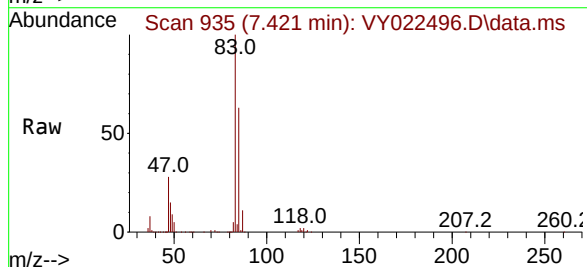
Acq: 02 Jun 2025 13:39

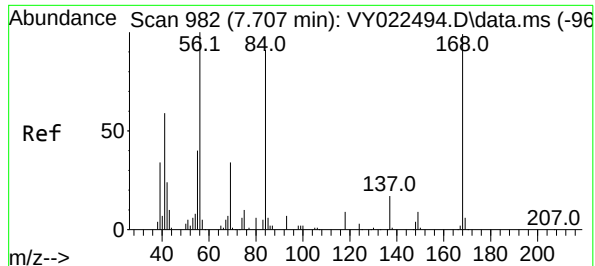
Tgt Ion: 83 Resp: 717477

Ion Ratio Lower Upper

83 100

85 63.0 54.2 81.4





#31

Cyclohexane

Concen: 140.095 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 667830

Ion Ratio Lower Upper

56 100

69 30.6 27.0 40.6

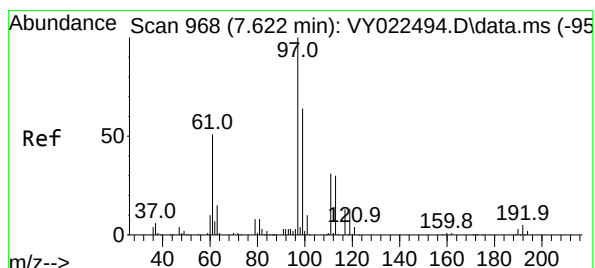
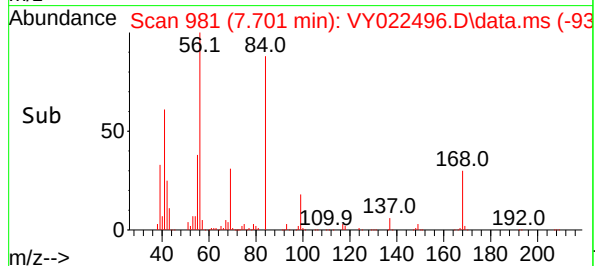
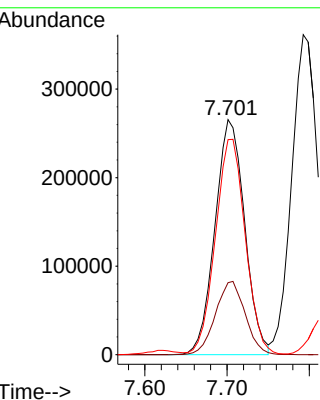
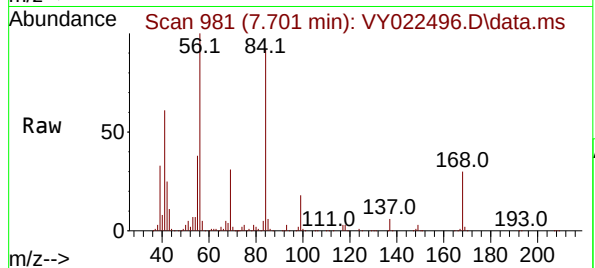
84 89.9 72.6 109.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#32

1,1,1-Trichloroethane

Concen: 157.892 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

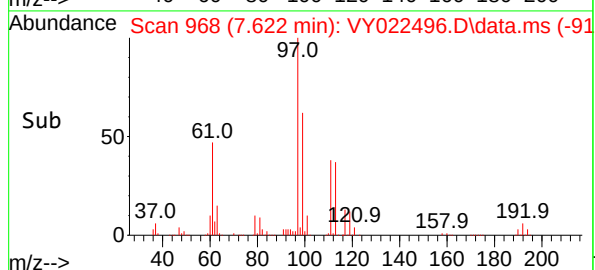
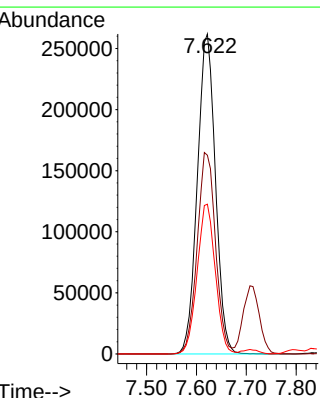
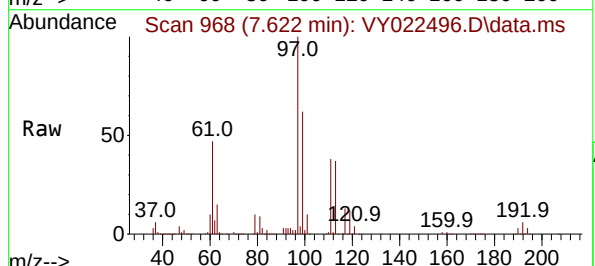
Tgt Ion: 97 Resp: 660456

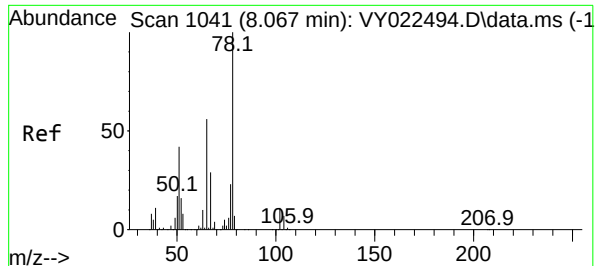
Ion Ratio Lower Upper

97 100

99 64.0 50.9 76.3

61 47.2 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 154.078 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 377700

Ion Ratio Lower Upper

65 100

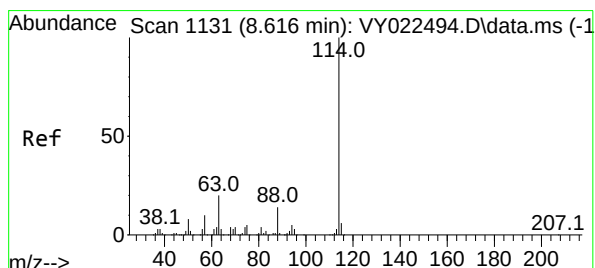
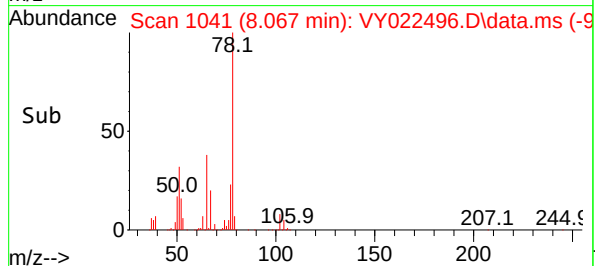
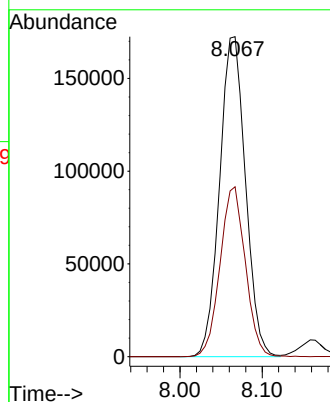
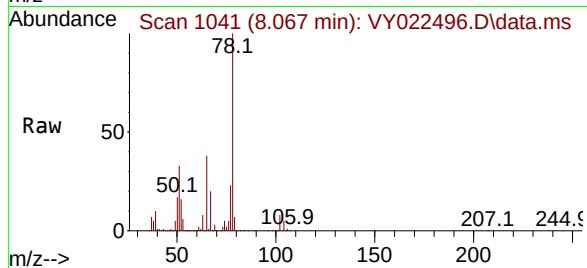
67 51.9 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

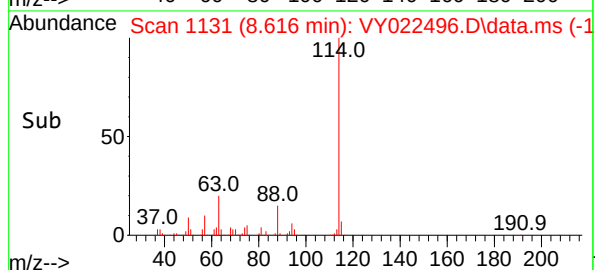
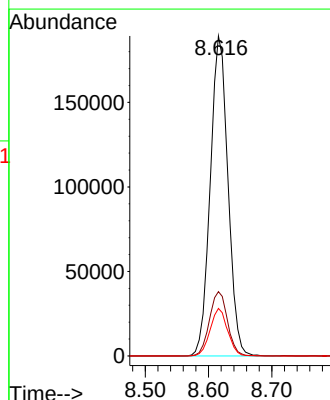
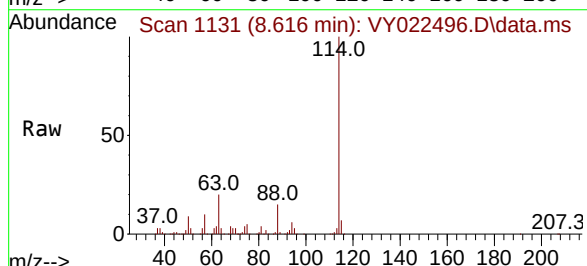
Tgt Ion:114 Resp: 367991

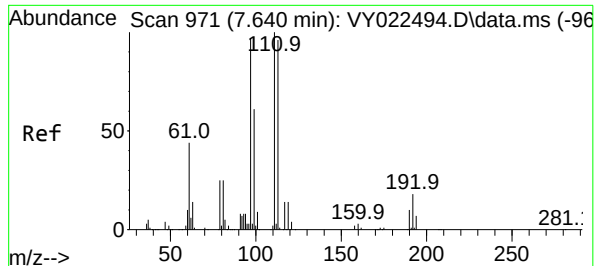
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 14.8 0.0 27.8





#35

Dibromofluoromethane

Concen: 160.661 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 348038

Ion Ratio Lower Upper

113 100

111 103.3 81.1 121.7

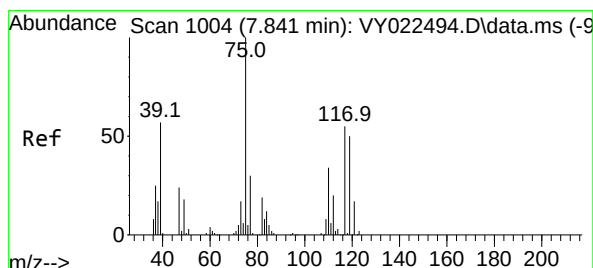
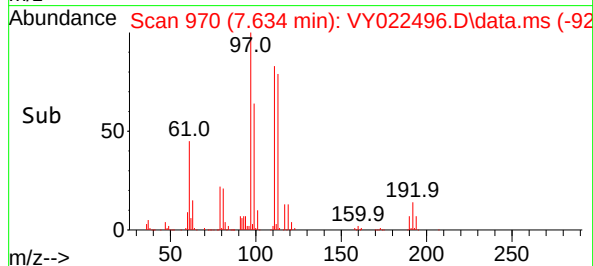
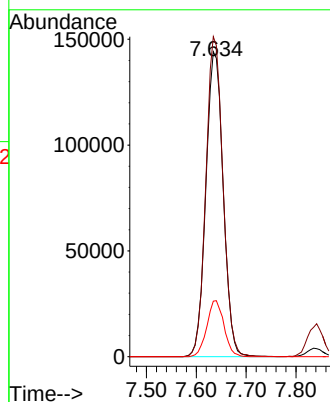
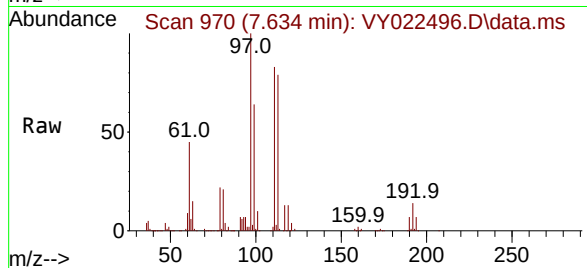
192 18.2 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#36

1,1-Dichloropropene

Concen: 160.756 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

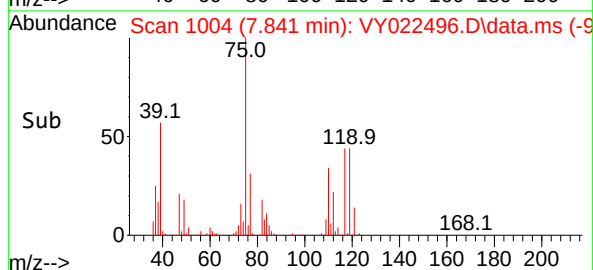
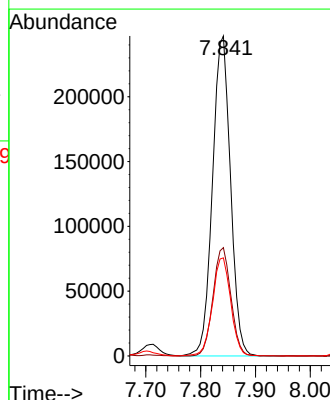
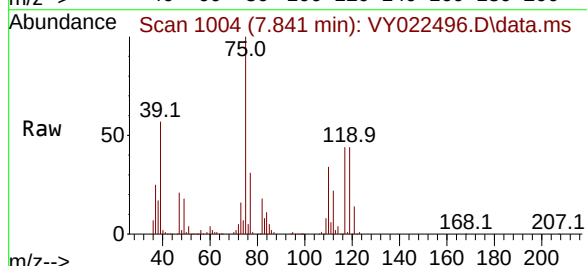
Tgt Ion: 75 Resp: 562935

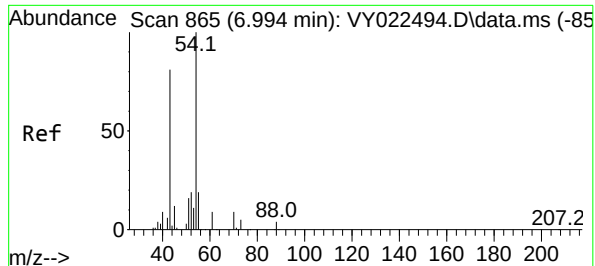
Ion Ratio Lower Upper

75 100

110 33.6 16.9 50.7

77 31.1 24.8 37.2





#37

Ethyl Acetate

Concen: 155.059 ug/l

RT: 6.988 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 238960

Ion Ratio Lower Upper

43 100

61 13.5 11.5 17.3

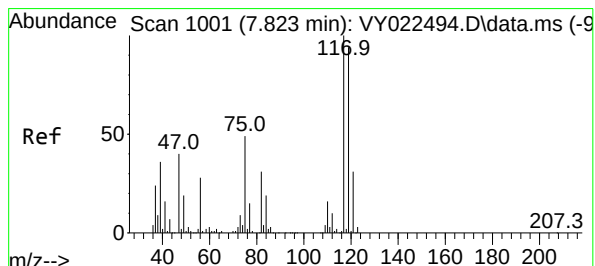
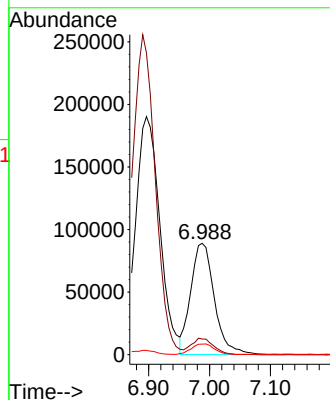
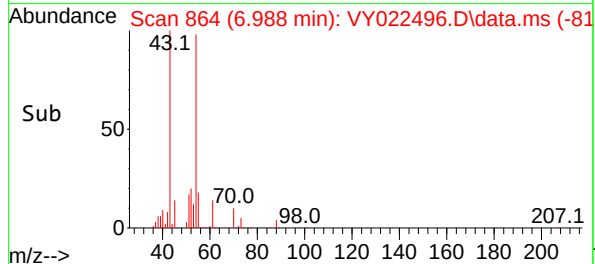
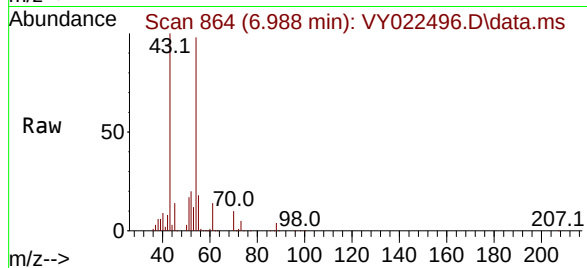
70 9.4 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#38

Carbon Tetrachloride

Concen: 164.311 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

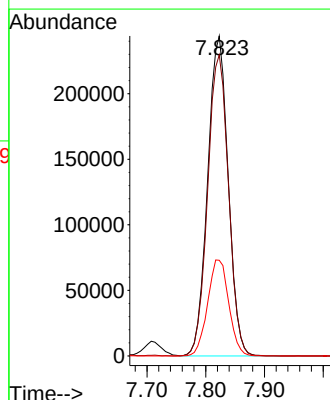
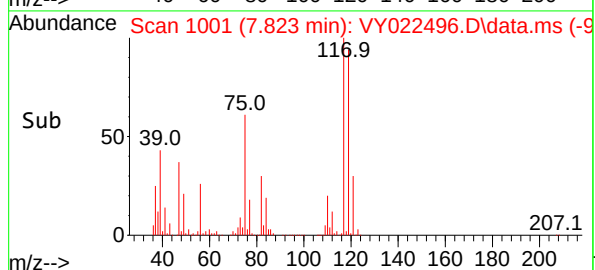
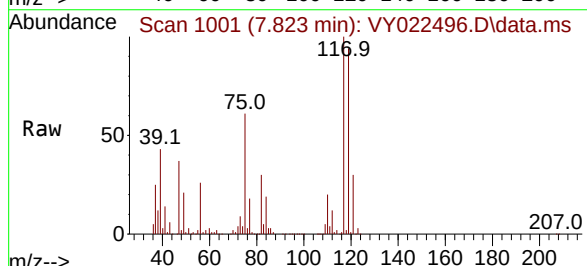
Tgt Ion:117 Resp: 593167

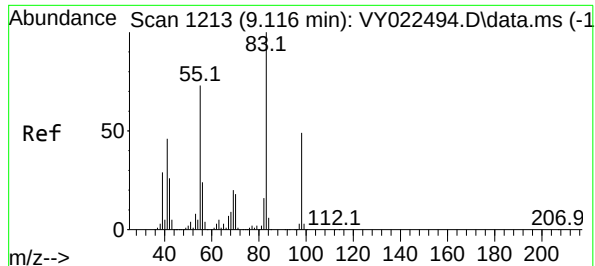
Ion Ratio Lower Upper

117 100

119 94.1 75.0 112.6

121 29.9 25.0 37.4





#39

Methylcyclohexane

Concen: 162.851 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 77038

Ion Ratio Lower Upper

83 100

55 72.9 58.1 87.1

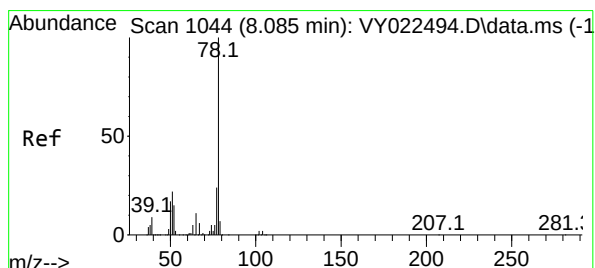
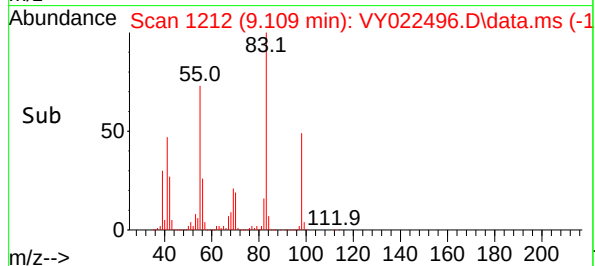
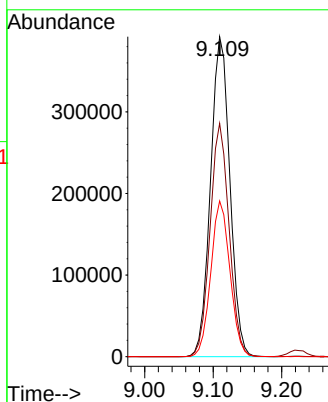
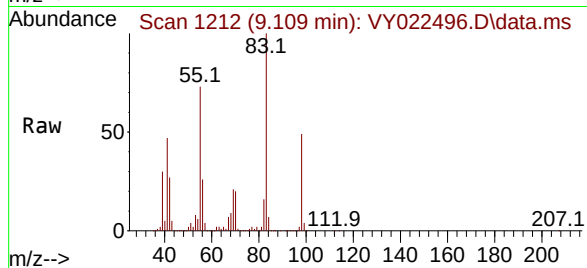
98 48.7 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#40

Benzene

Concen: 162.332 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY022496.D

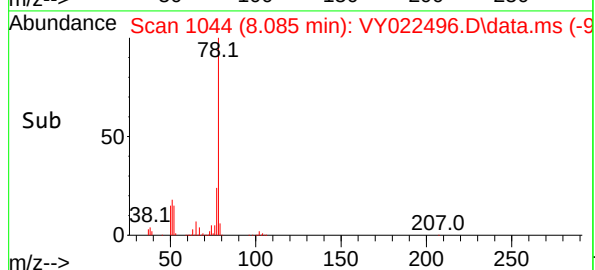
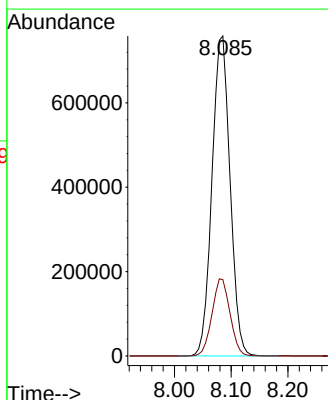
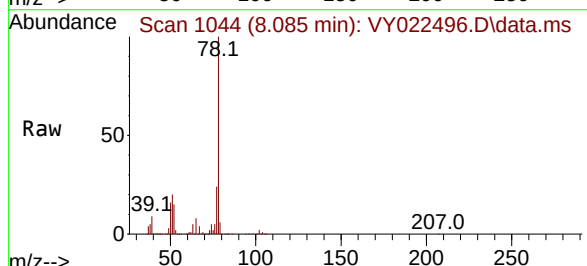
Acq: 02 Jun 2025 13:39

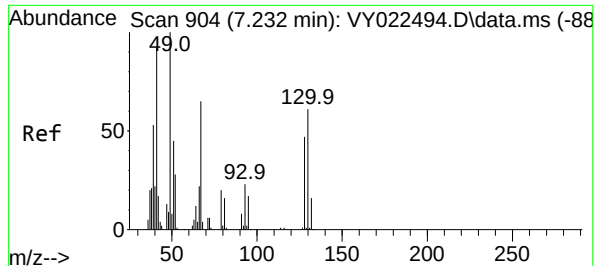
Tgt Ion: 78 Resp: 1675603

Ion Ratio Lower Upper

78 100

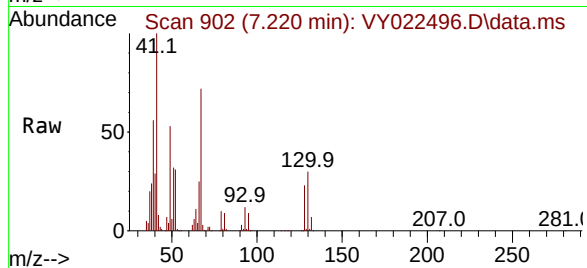
77 23.9 19.3 28.9





#41
Methacrylonitrile
Concen: 137.523 ug/l
RT: 7.220 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

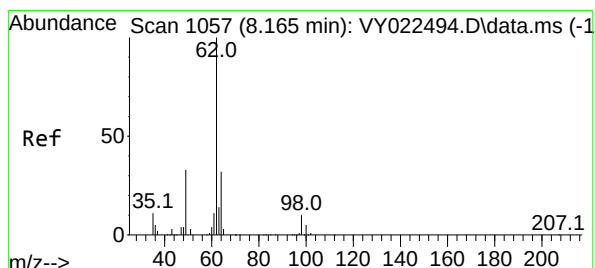
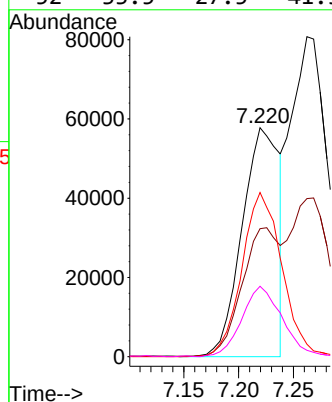
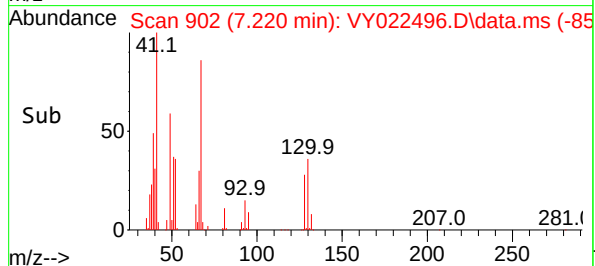
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 41 Resp: 136495
Ion Ratio Lower Upper
41 100
39 56.5 46.6 69.8
67 77.5 63.3 94.9
52 33.5 27.5 41.3

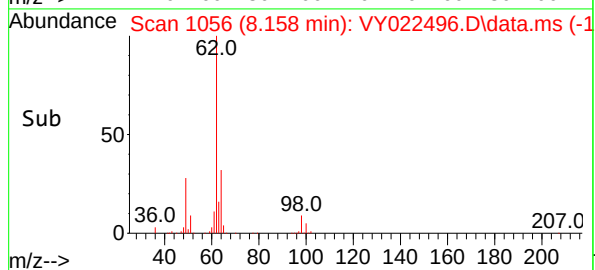
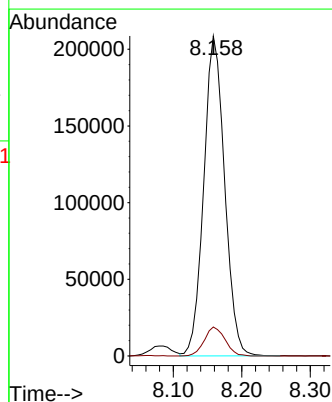
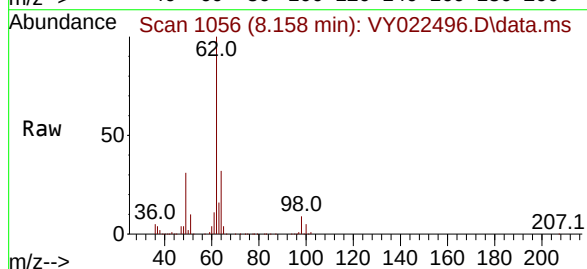
Manual Integrations
APPROVED

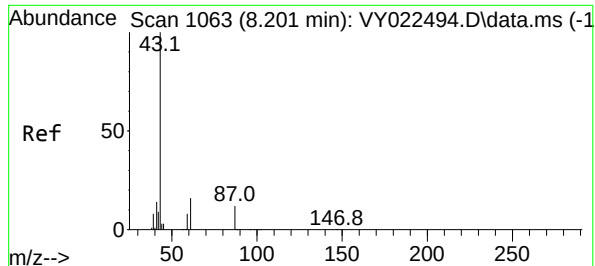
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#42
1,2-Dichloroethane
Concen: 157.491 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 62 Resp: 442216
Ion Ratio Lower Upper
62 100
98 9.0 0.0 19.2





#43

Isopropyl Acetate

Concen: 155.250 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

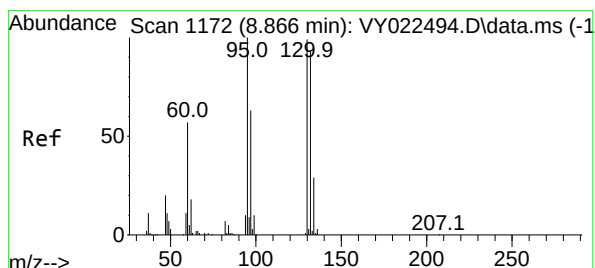
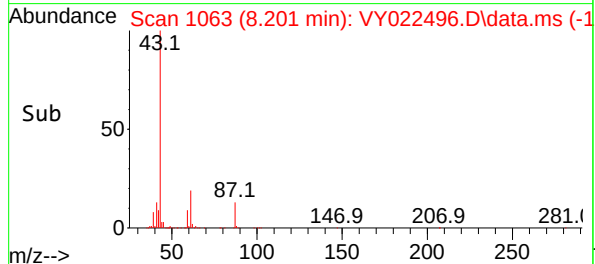
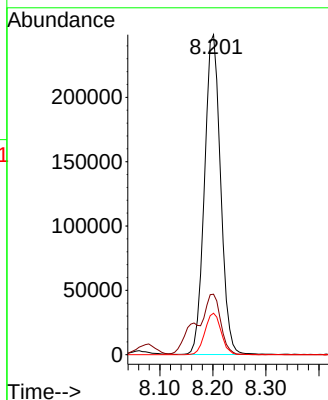
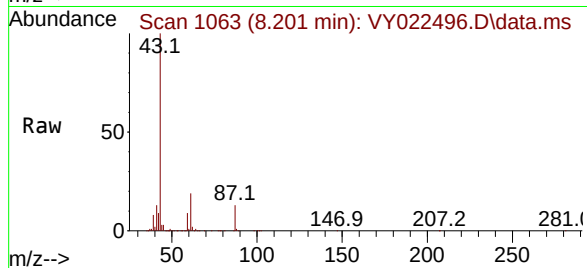
VSTDIC150

Tgt Ion:	43	Resp:	52284
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.6	23.4
87	13.1	10.2	15.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#44

Trichloroethene

Concen: 156.583 ug/l

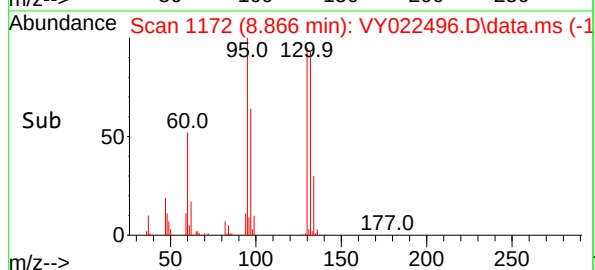
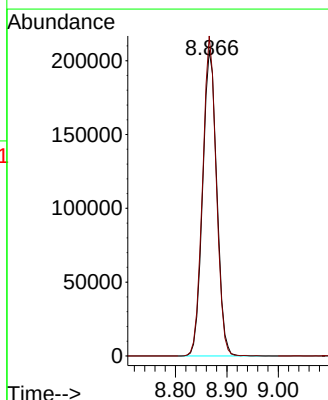
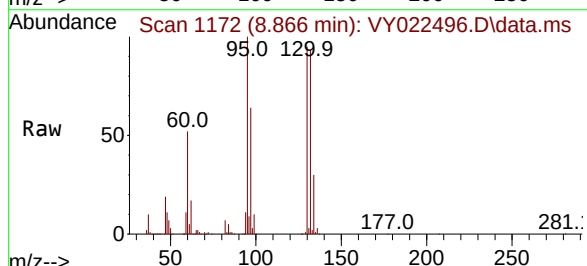
RT: 8.866 min Scan# 1172

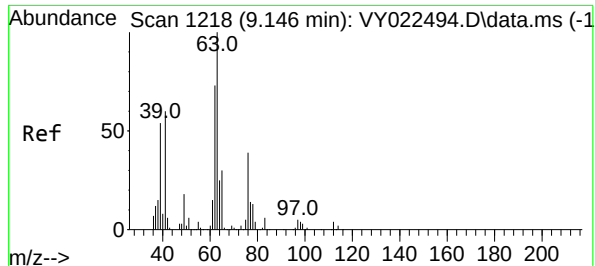
Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Tgt Ion:	130	Resp:	394832
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	203.0





#45

1,2-Dichloropropane

Concen: 156.539 ug/l

RT: 9.140 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 385200

Ion Ratio Lower Upper

63 100

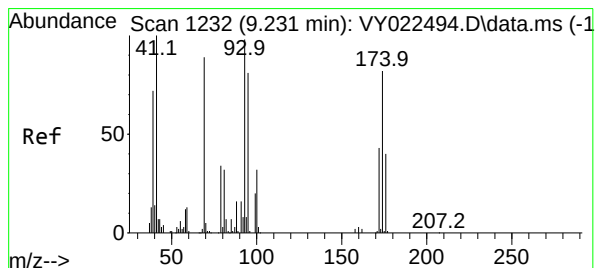
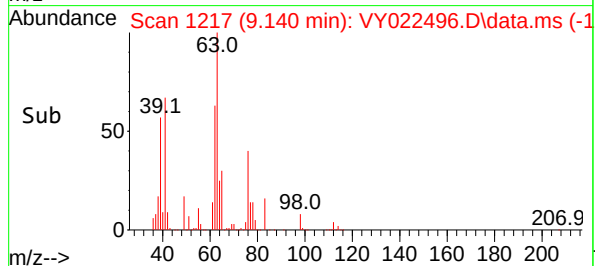
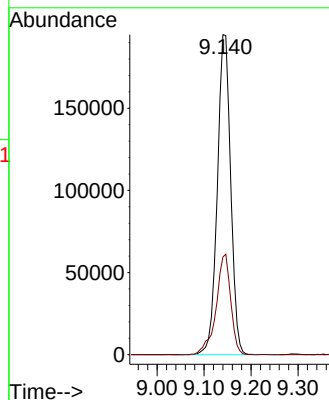
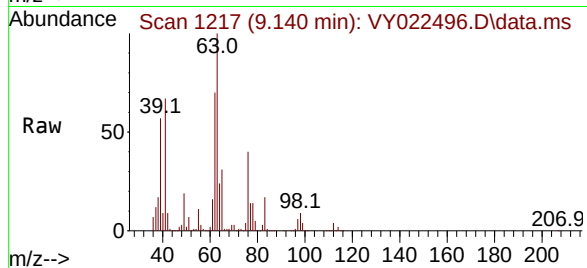
65 30.6 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#46

Dibromomethane

Concen: 158.140 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

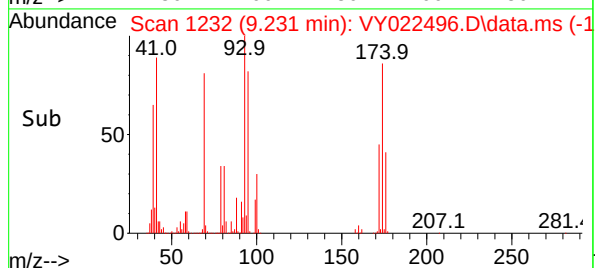
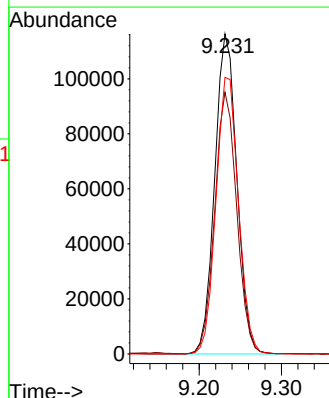
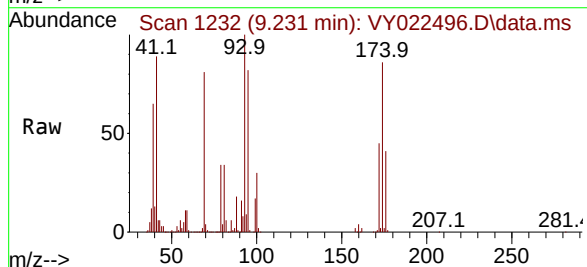
Tgt Ion: 93 Resp: 218014

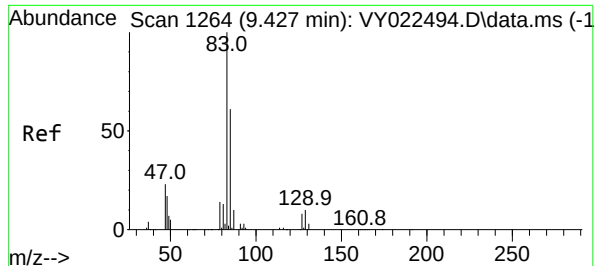
Ion Ratio Lower Upper

93 100

95 81.6 65.6 98.4

174 87.8 70.4 105.6





#47

Bromodichloromethane

Concen: 160.221 ug/l

RT: 9.426 min Scan# 1264

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

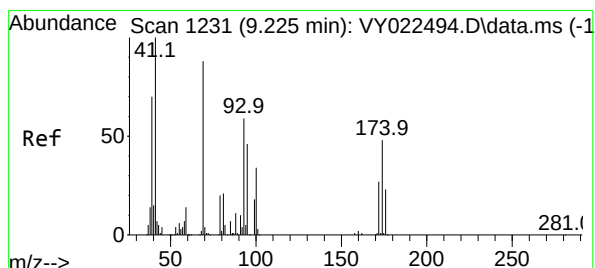
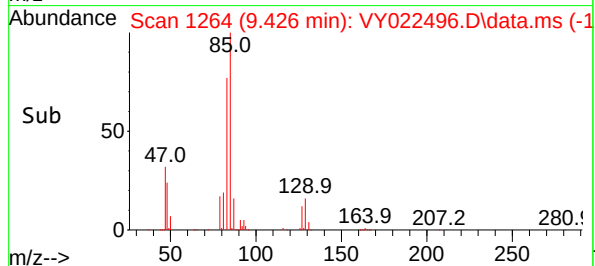
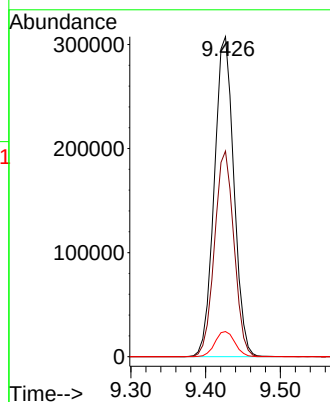
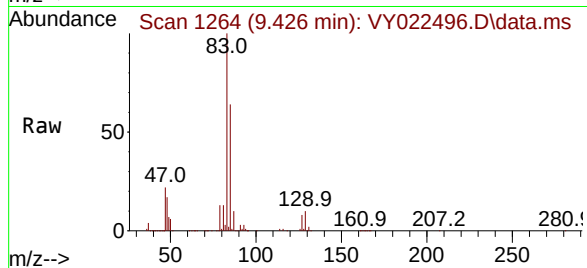
VSTDIC150

Tgt Ion: 83 Resp: 560425
Ion Ratio Lower Upper
83 100
85 64.3 49.1 73.7
127 7.9 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#48

Methyl methacrylate

Concen: 163.897 ug/l

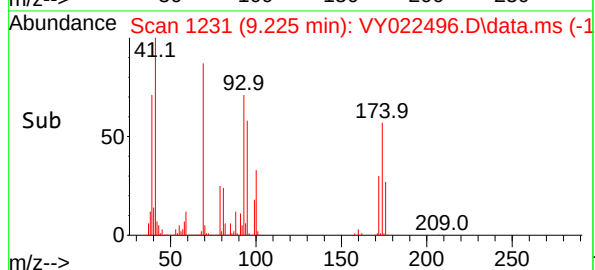
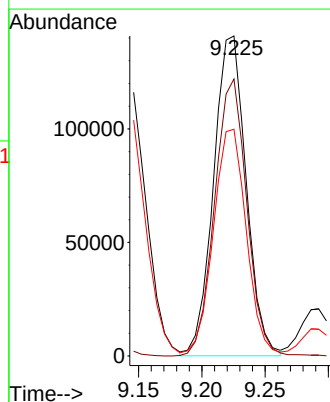
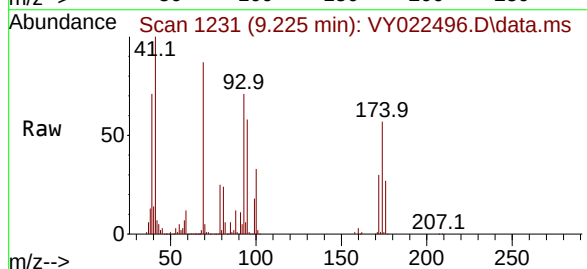
RT: 9.225 min Scan# 1231

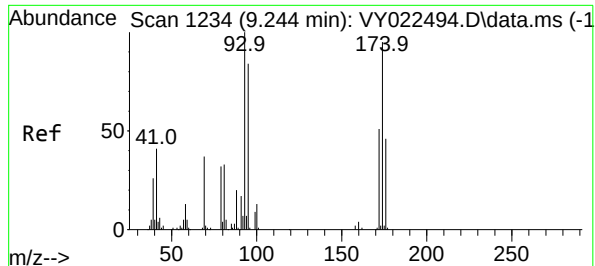
Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 252724
Ion Ratio Lower Upper
41 100
69 85.6 67.8 101.8
39 69.7 55.0 82.4





#49

1,4-Dioxane

Concen: 3093.301 ug/l

RT: 9.231 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 50874

Ion Ratio Lower Upper

88 100

43 33.3 25.4 38.2

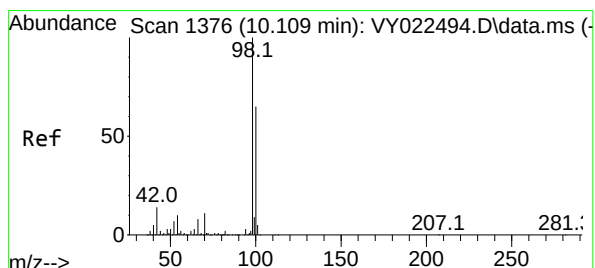
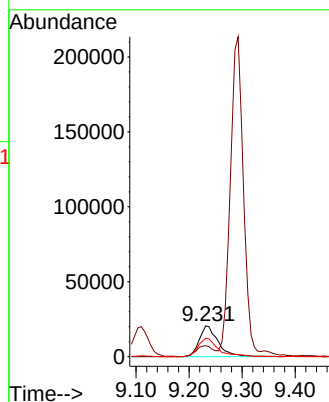
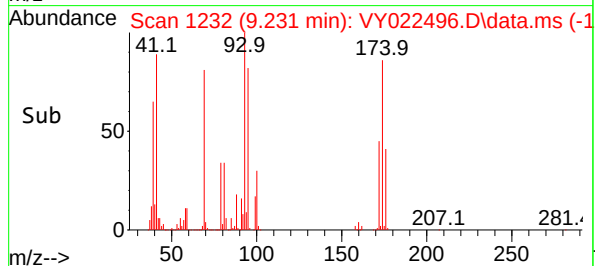
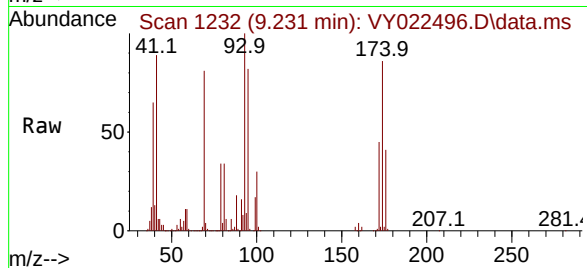
58 64.1 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#50

Toluene-d8

Concen: 163.617 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022496.D

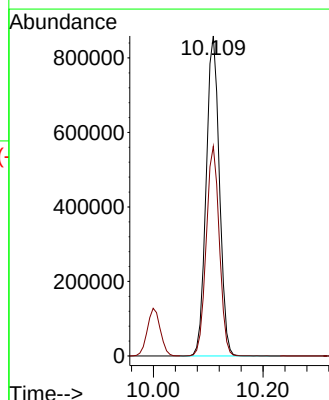
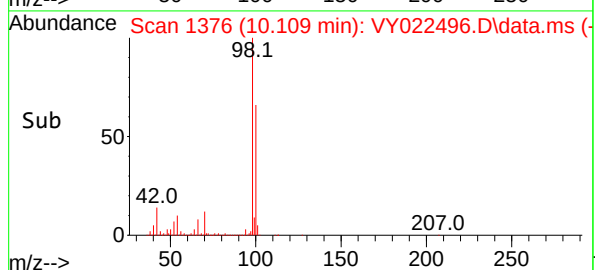
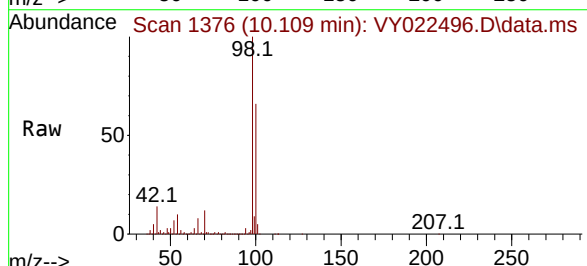
Acq: 02 Jun 2025 13:39

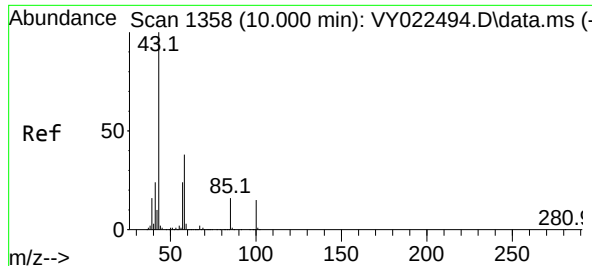
Tgt Ion: 98 Resp: 1432587

Ion Ratio Lower Upper

98 100

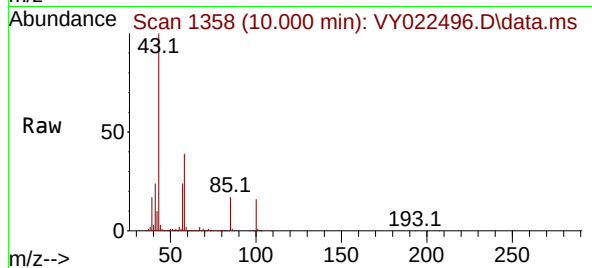
100 64.8 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 812.744 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

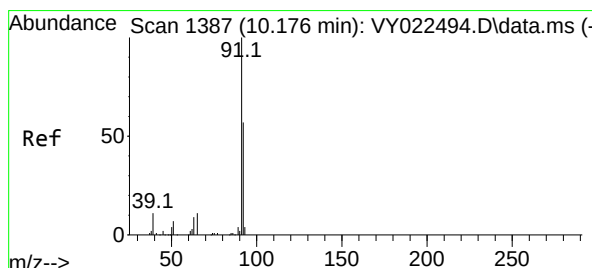
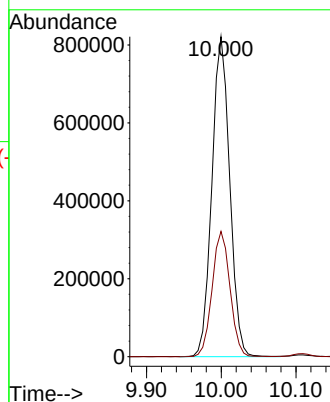
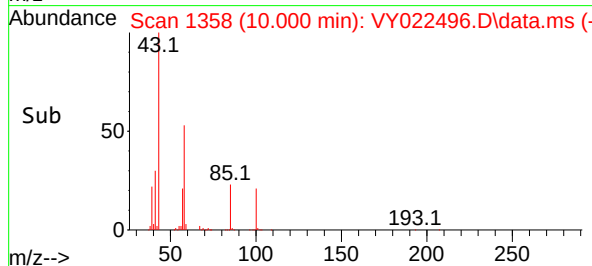
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 1358512
Ion Ratio Lower Upper
43 100
58 39.3 30.4 45.6

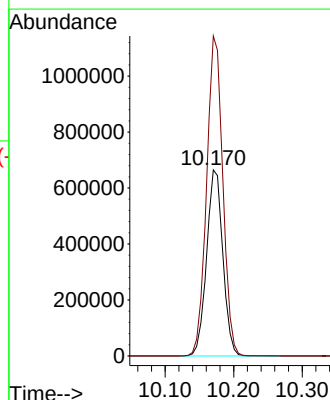
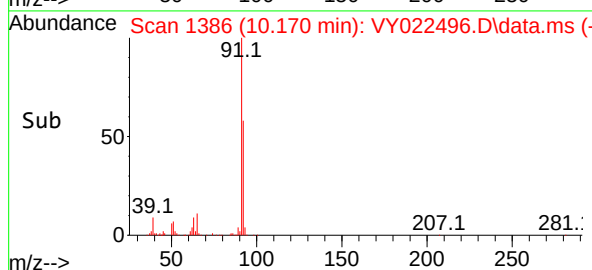
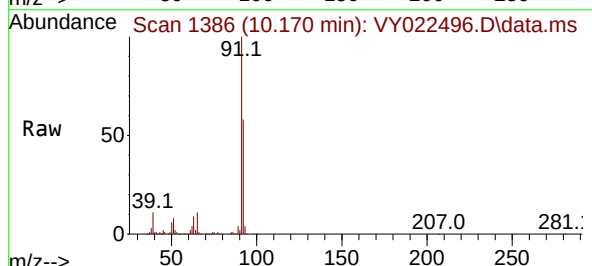
Manual Integrations
APPROVED

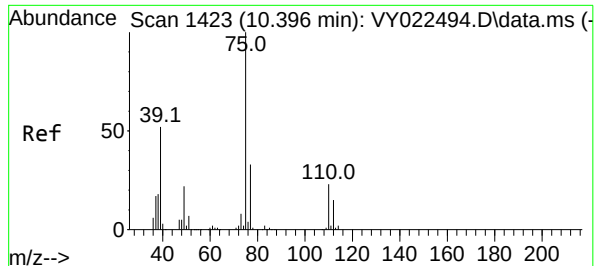
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#52
Toluene
Concen: 168.447 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

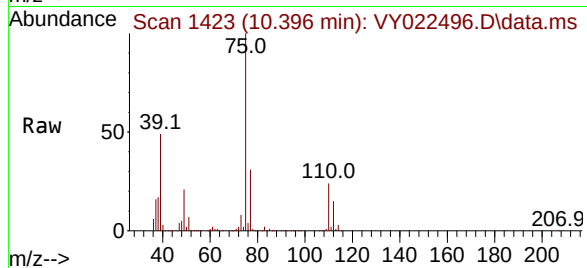
Tgt Ion: 92 Resp: 1093200
Ion Ratio Lower Upper
92 100
91 172.1 139.0 208.4





#53
t-1,3-Dichloropropene
Concen: 166.237 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

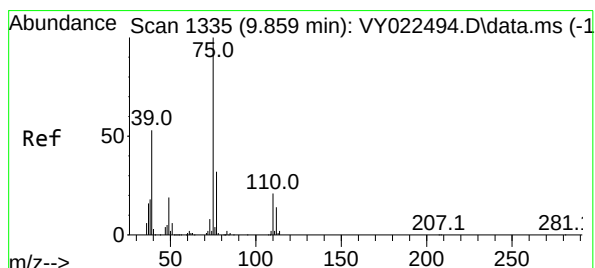
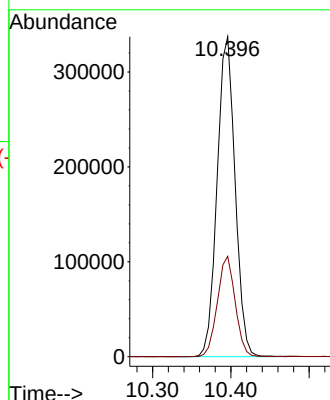
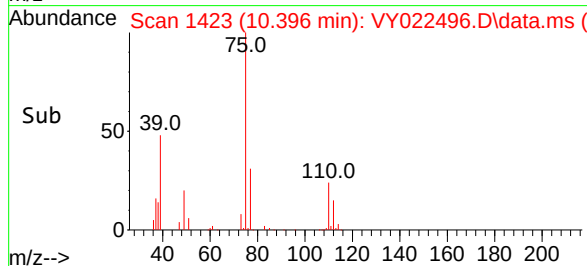
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



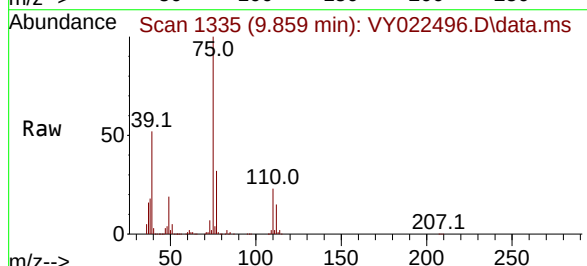
Tgt Ion: 75 Resp: 53792
Ion Ratio Lower Upper
75 100
77 31.3 26.5 39.7

Manual Integrations
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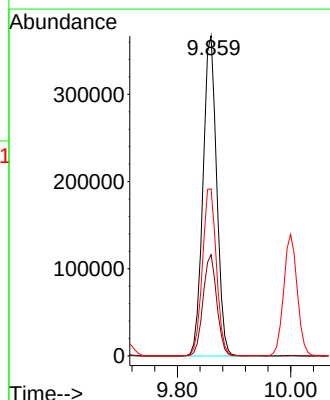
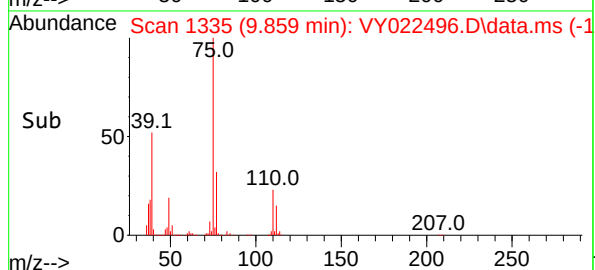
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

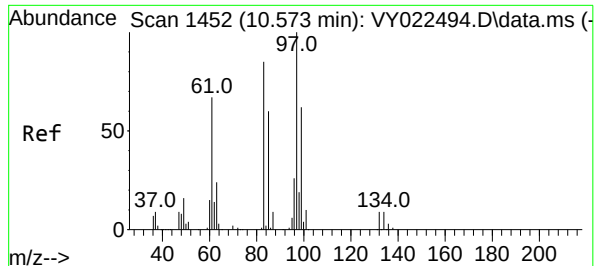


#54
cis-1,3-Dichloropropene
Concen: 162.259 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39



Tgt Ion: 75 Resp: 615667
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 52.2 42.7 64.1





#55

1,1,2-Trichloroethane

Concen: 158.086 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 274460

Ion Ratio Lower Upper

97 100

83 85.6 68.1 102.1

85 55.1 48.2 72.2

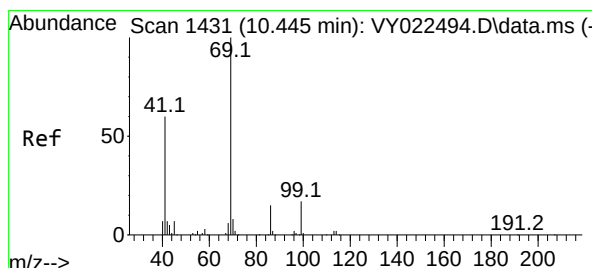
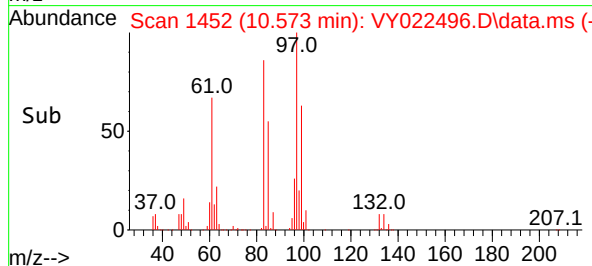
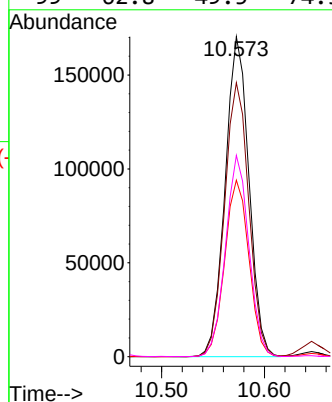
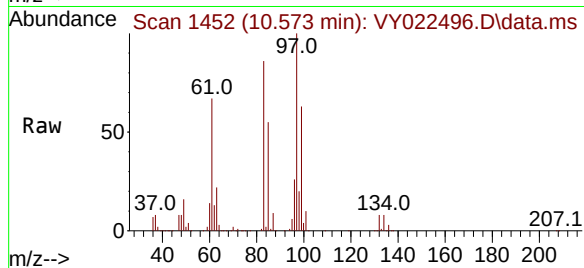
99 62.8 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#56

Ethyl methacrylate

Concen: 167.865 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

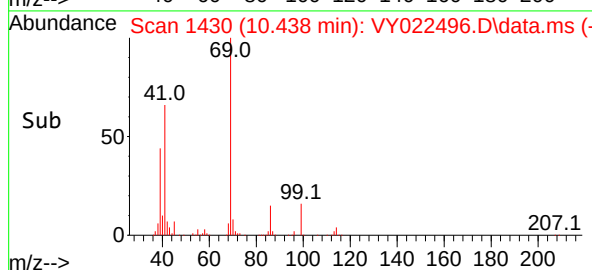
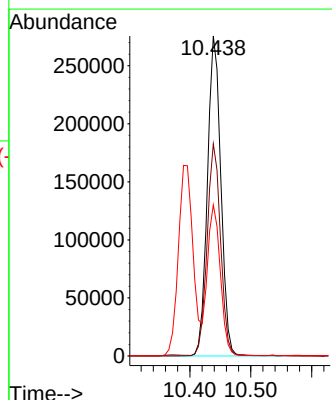
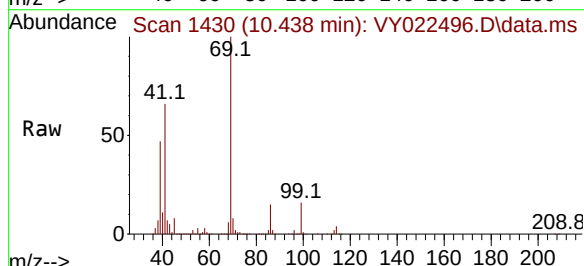
Tgt Ion: 69 Resp: 423233

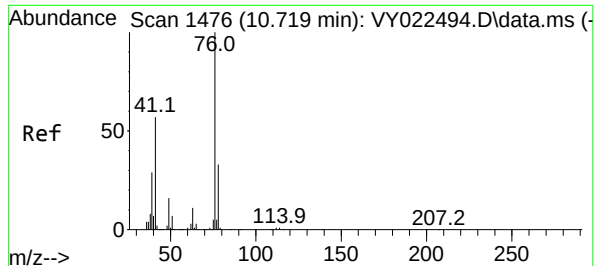
Ion Ratio Lower Upper

69 100

41 66.0 52.2 78.2

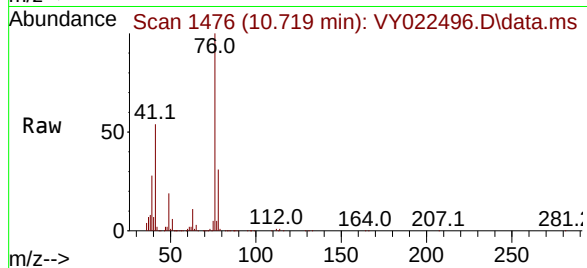
39 44.7 36.7 55.1





#57
1,3-Dichloropropane
Concen: 158.010 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

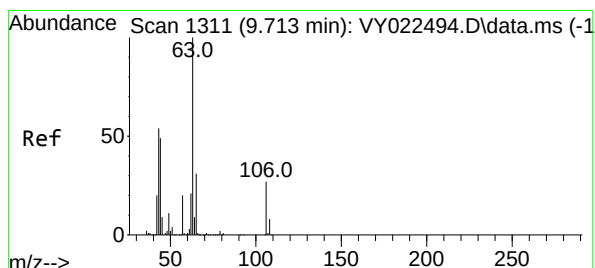
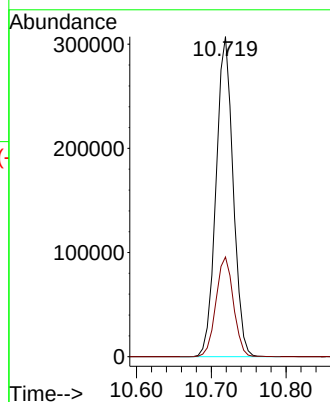
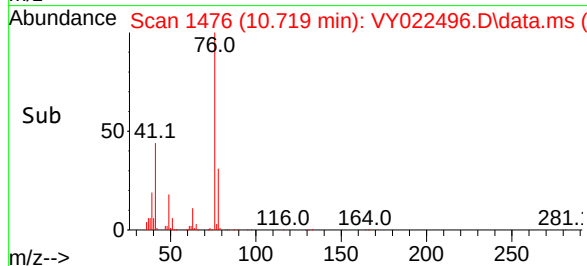
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 76 Resp: 488570
Ion Ratio Lower Upper
76 100
78 31.9 25.8 38.8

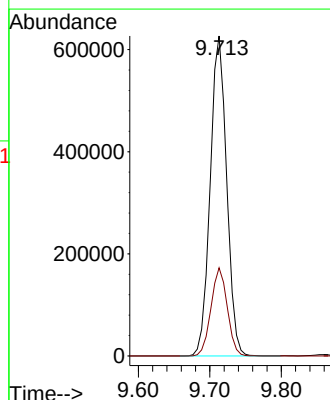
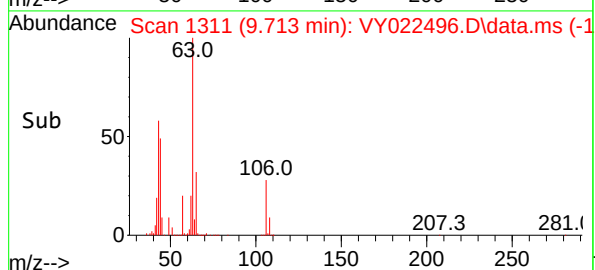
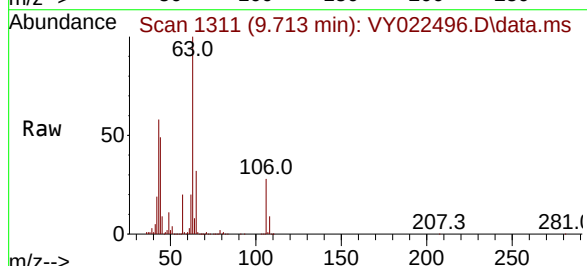
Manual Integrations
APPROVED

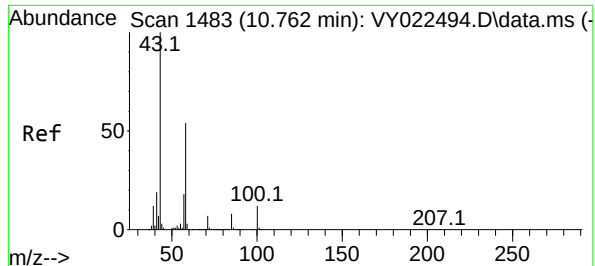
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#58
2-Chloroethyl Vinyl ether
Concen: 890.345 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 1000760
Ion Ratio Lower Upper
63 100
106 27.2 21.6 32.4





#59

2-Hexanone

Concen: 804.699 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 89662

Ion Ratio Lower Upper

43 100

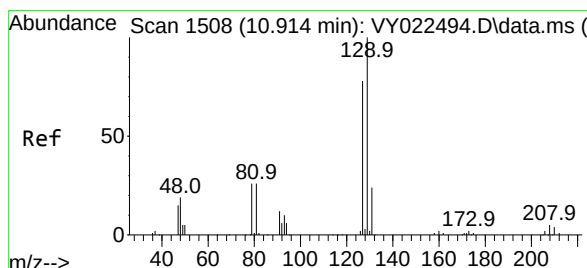
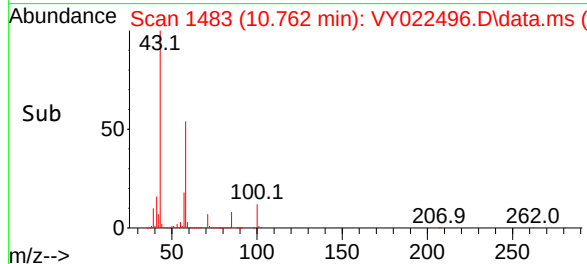
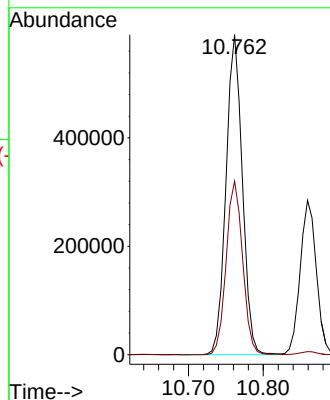
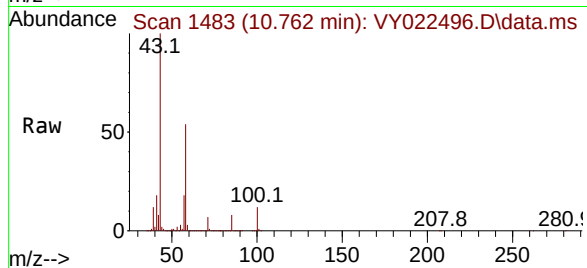
58 54.6 27.3 81.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#60

Dibromochloromethane

Concen: 162.227 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VY022496.D

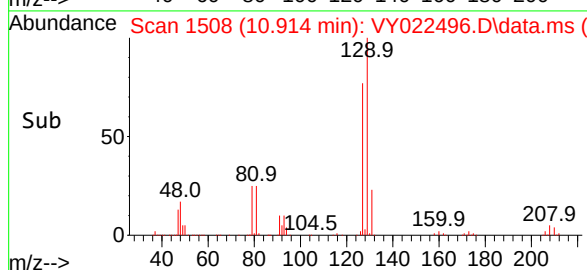
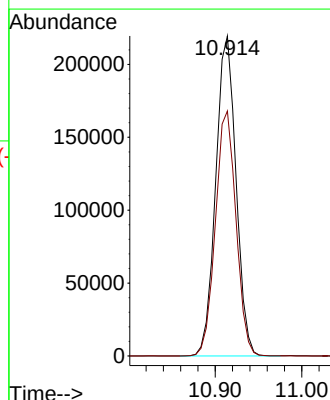
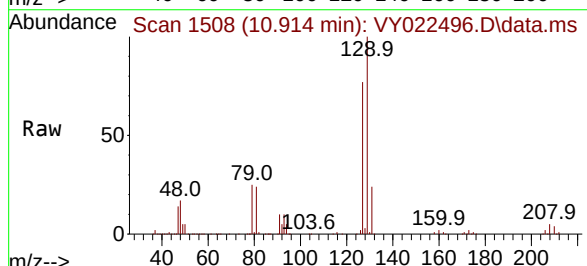
Acq: 02 Jun 2025 13:39

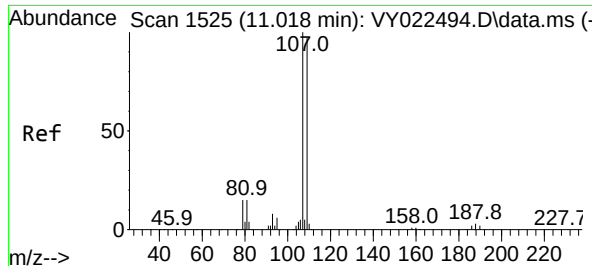
Tgt Ion:129 Resp: 356873

Ion Ratio Lower Upper

129 100

127 77.8 39.1 117.2





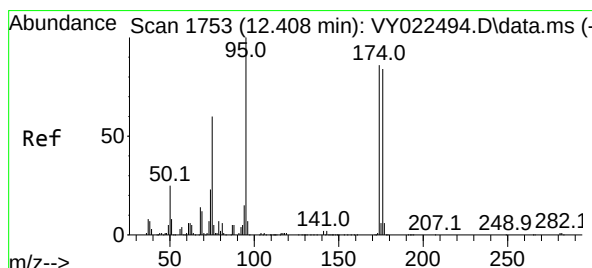
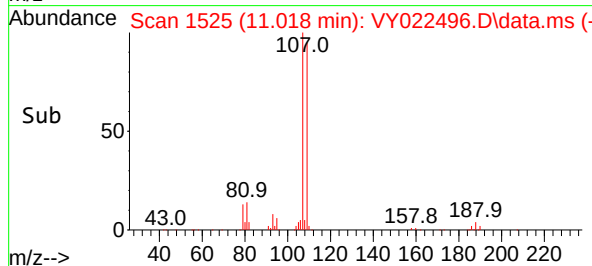
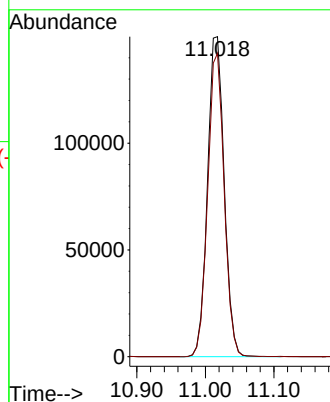
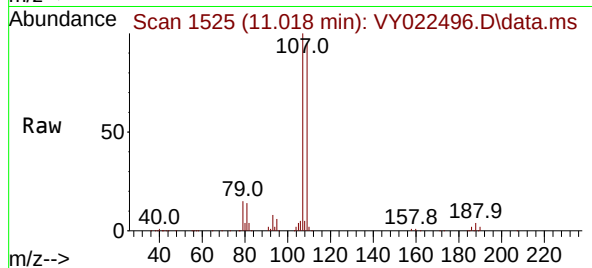
#61
1,2-Dibromoethane
Concen: 158.625 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:107 Resp: 254128
Ion Ratio Lower Upper
107 100
109 93.4 77.7 116.5

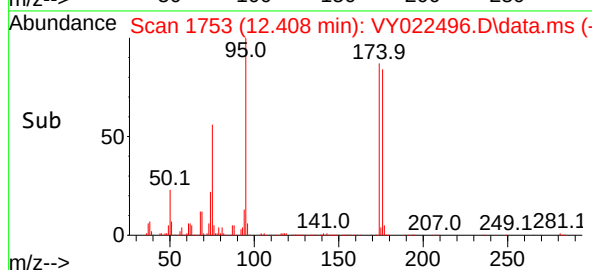
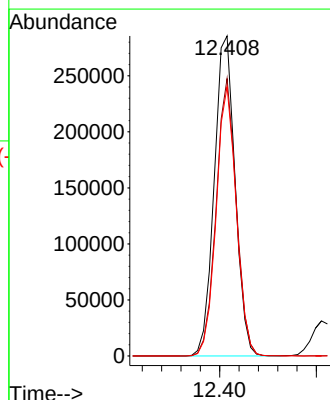
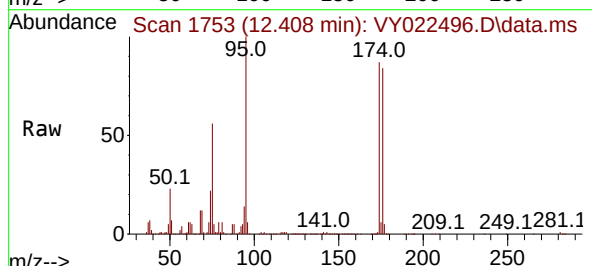
Manual Integrations
APPROVED

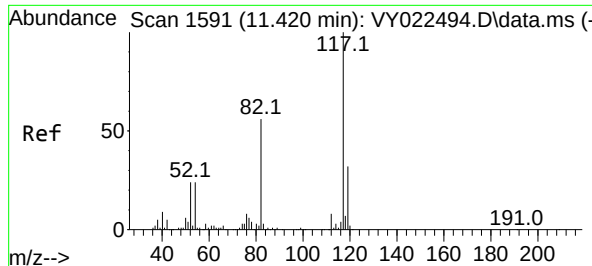
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#62
4-Bromofluorobenzene
Concen: 160.684 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

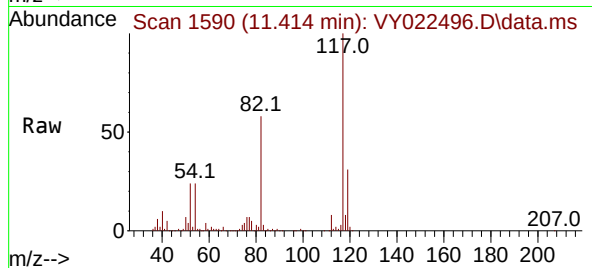
Tgt Ion: 95 Resp: 426573
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.0
176 81.1 0.0 166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

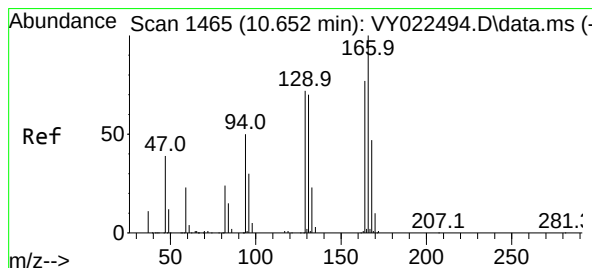
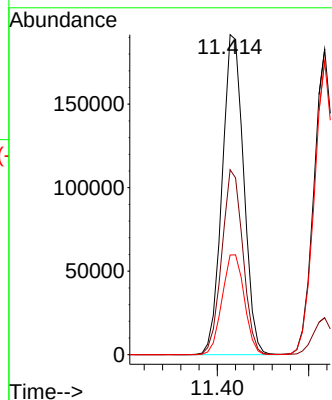
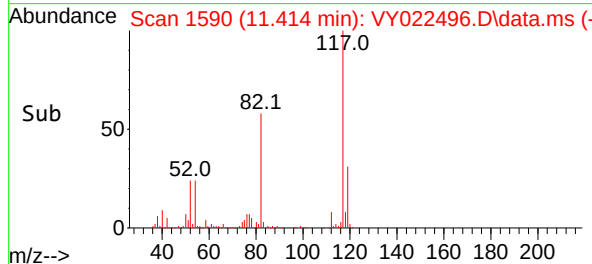
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:117 Resp: 31395
Ion Ratio Lower Upper
117 100
82 57.8 44.6 66.8
119 31.2 25.4 38.0

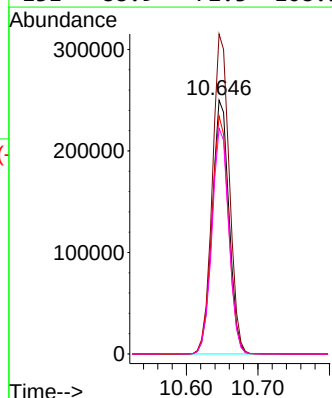
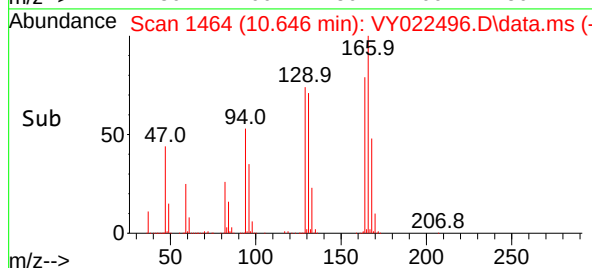
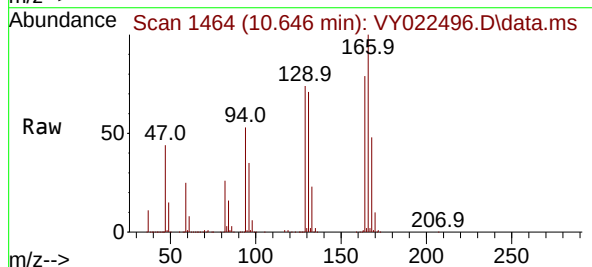
Manual Integrations
APPROVED

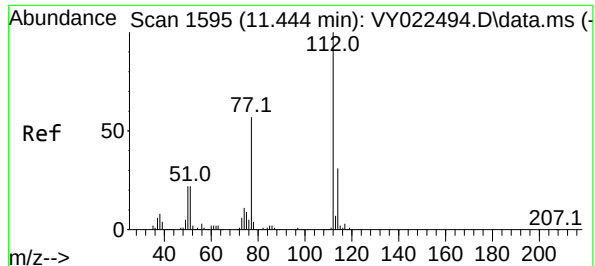
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#64
Tetrachloroethene
Concen: 152.453 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

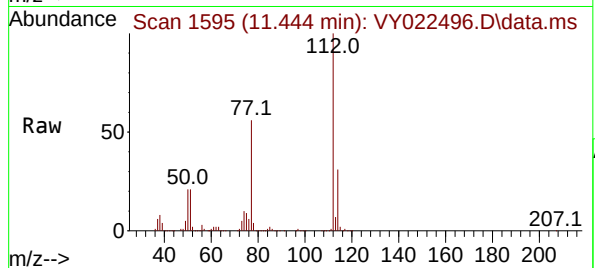
Tgt Ion:164 Resp: 406758
Ion Ratio Lower Upper
164 100
166 126.1 104.0 156.0
129 93.8 74.5 111.7
131 88.9 72.3 108.5





#65
Chlorobenzene
Concen: 163.544 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

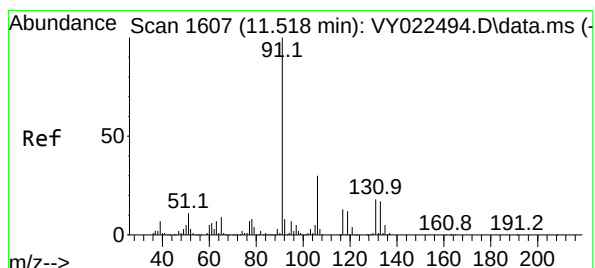
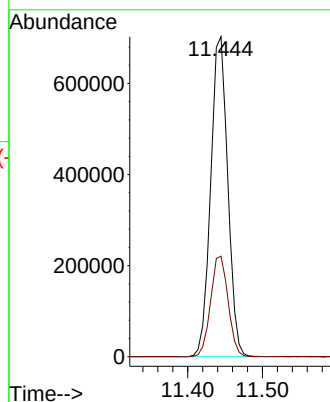
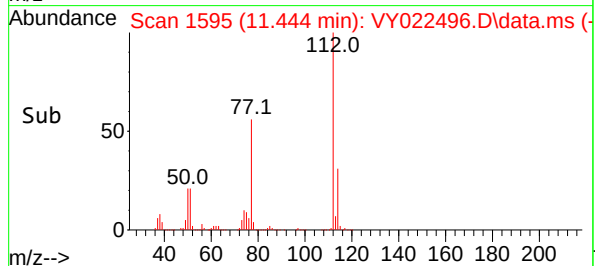
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:112 Resp: 111334
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.6

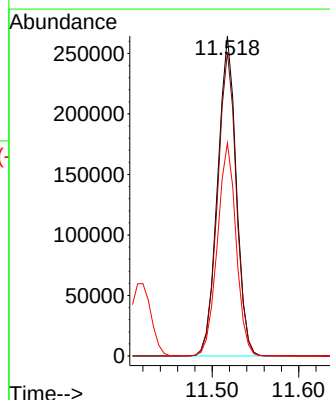
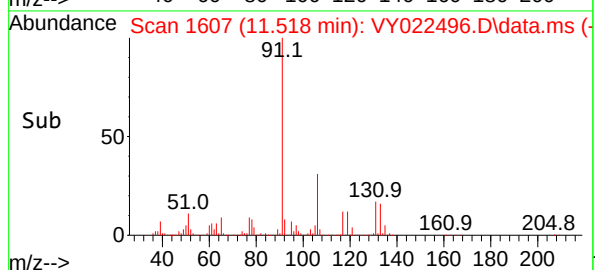
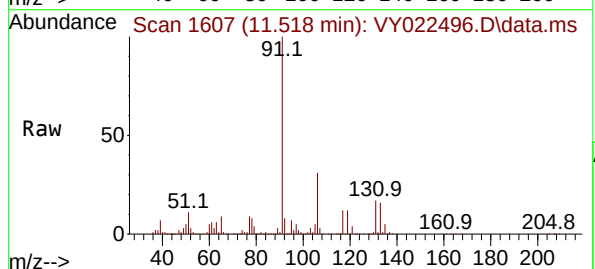
Manual Integrations
APPROVED

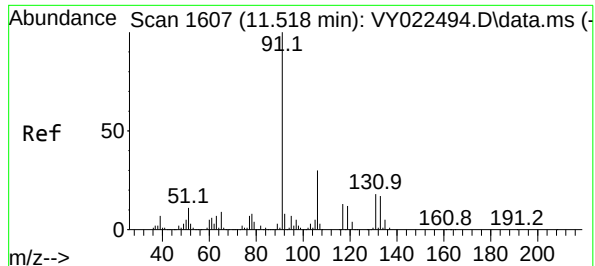
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 171.190 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:131 Resp: 395046
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.8
119 66.8 33.1 99.3





#67

Ethyl Benzene

Concen: 173.285 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2196819

Ion Ratio Lower Upper

91 100

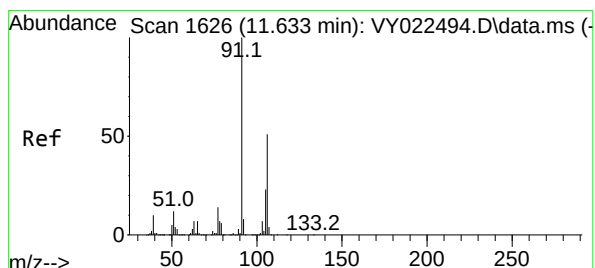
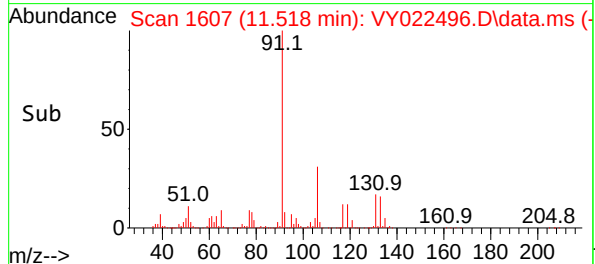
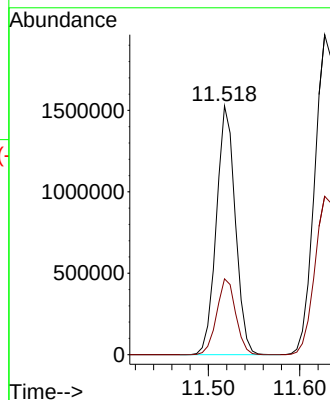
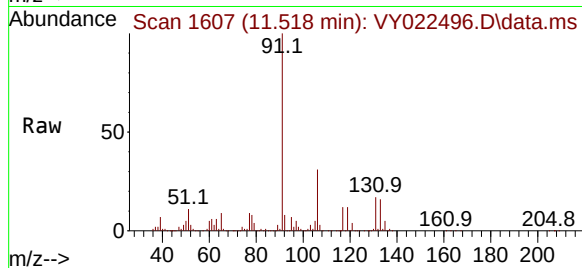
106 30.5 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#68

m/p-Xylenes

Concen: 353.103 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY022496.D

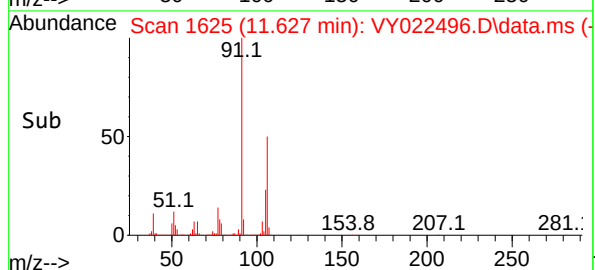
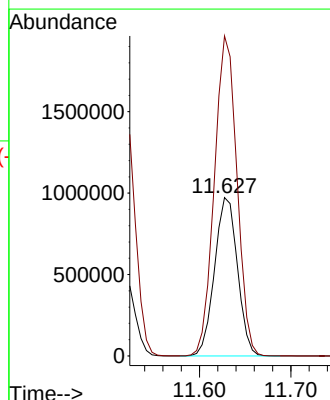
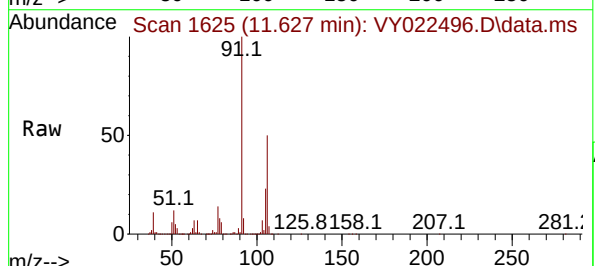
Acq: 02 Jun 2025 13:39

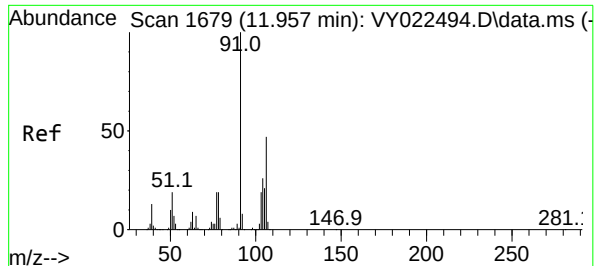
Tgt Ion:106 Resp: 1694177

Ion Ratio Lower Upper

106 100

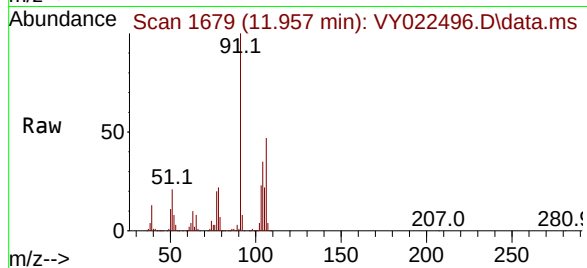
91 199.2 159.4 239.0





#69
o-Xylene
Concen: 173.188 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

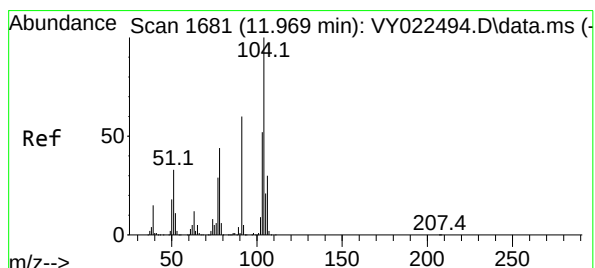
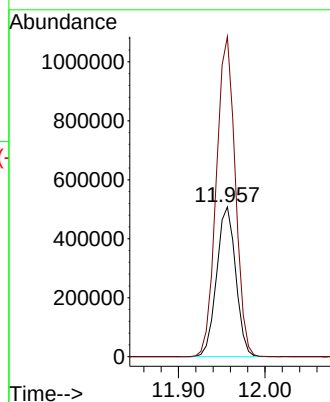
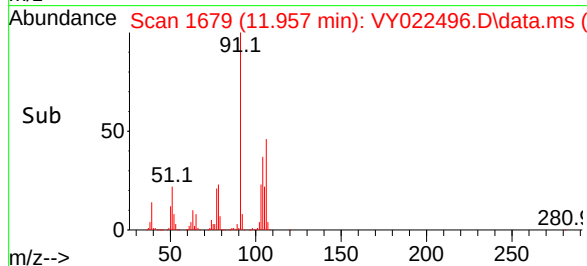
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:106 Resp: 777688
Ion Ratio Lower Upper
106 100
91 212.3 105.8 317.3

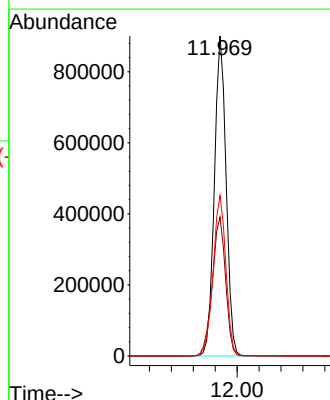
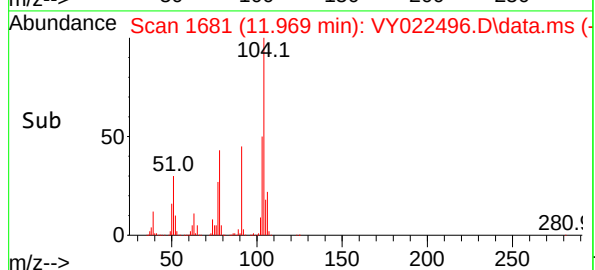
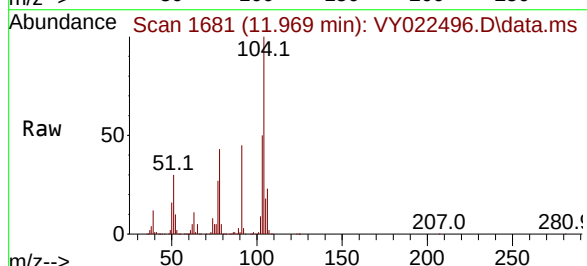
Manual Integrations
APPROVED

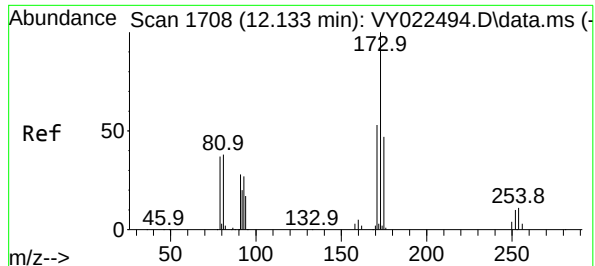
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#70
Styrene
Concen: 179.564 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

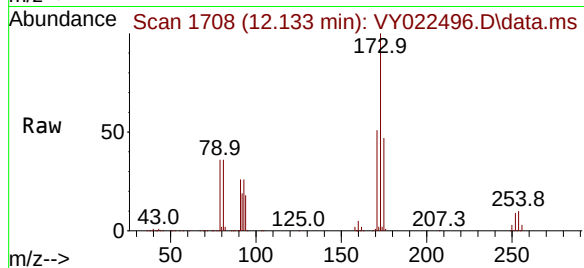
Tgt Ion:104 Resp: 1334986
Ion Ratio Lower Upper
104 100
78 48.8 39.5 59.3
103 54.6 44.1 66.1





#71
Bromoform
Concen: 166.138 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

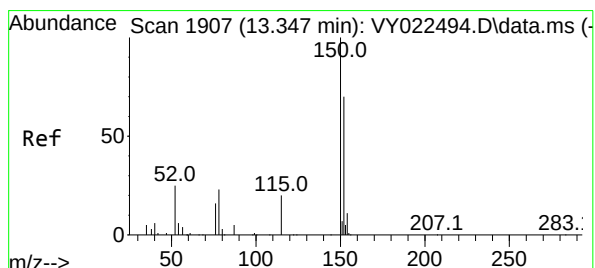
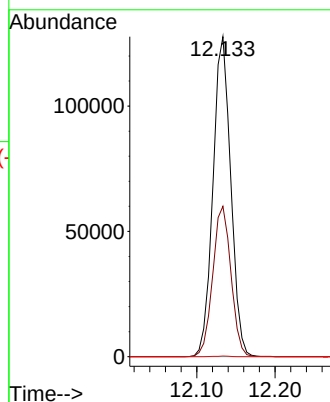
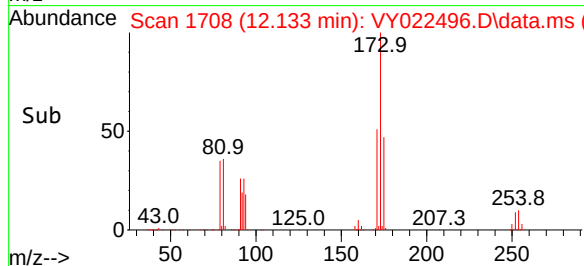
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



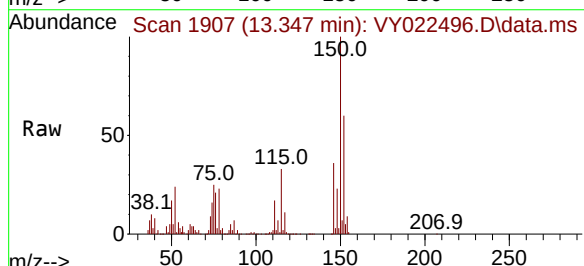
Tgt Ion:173 Resp: 201469
Ion Ratio Lower Upper
173 100
175 48.2 23.8 71.5
254 0.2 0.0 0.0

Manual Integrations
APPROVED

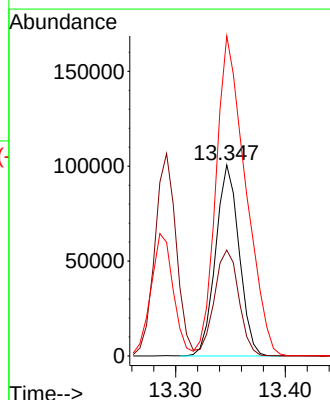
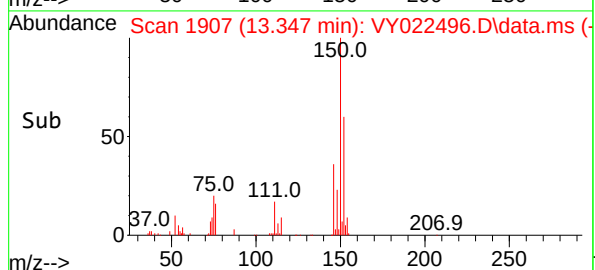
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

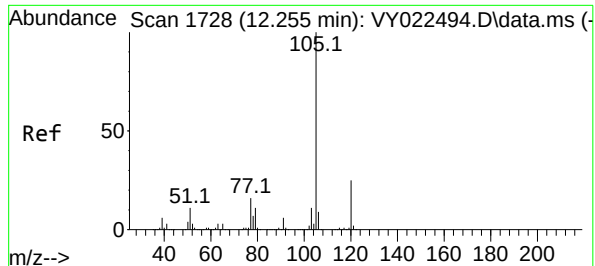


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39



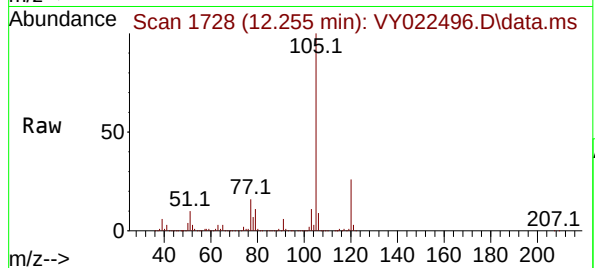
Tgt Ion:152 Resp: 150326
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.7
150 210.0 0.0 349.6





#73
Isopropylbenzene
Concen: 166.060 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

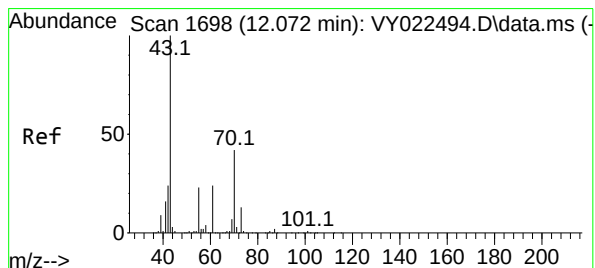
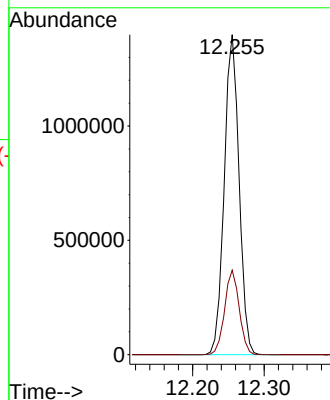
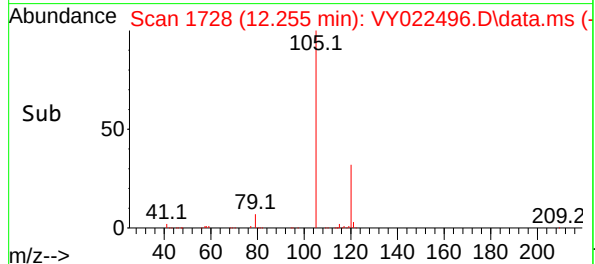
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 2011262
Ion Ratio Lower Upper
105 100
120 26.1 13.0 38.9

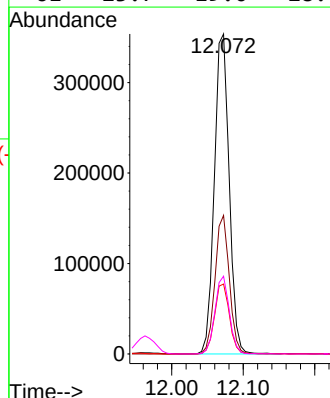
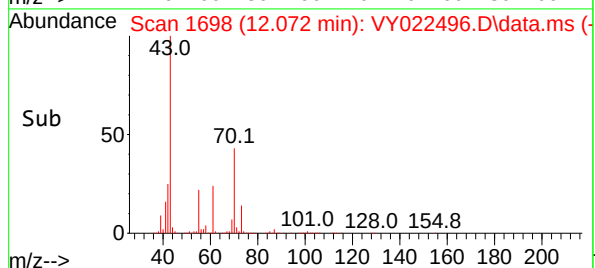
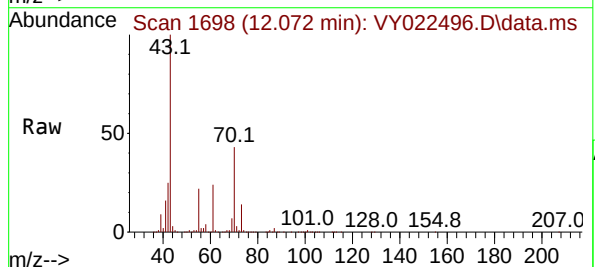
Manual Integrations
APPROVED

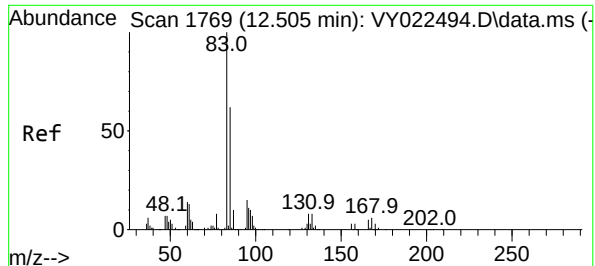
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#74
N-ethyl acetate
Concen: 165.957 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

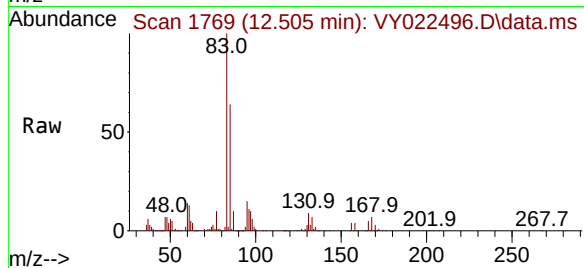
Tgt Ion: 43 Resp: 508301
Ion Ratio Lower Upper
43 100
70 42.1 34.2 51.2
55 22.1 18.2 27.4
61 23.7 19.0 28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 157.927 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

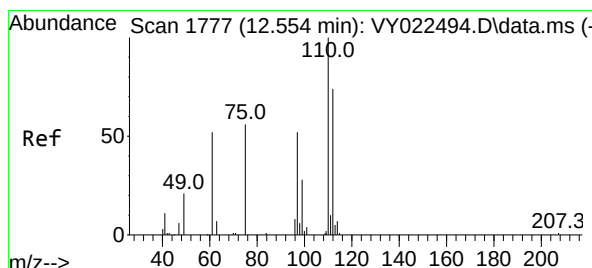
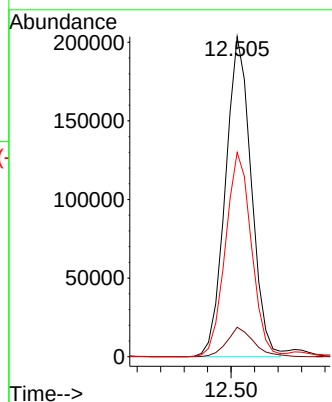
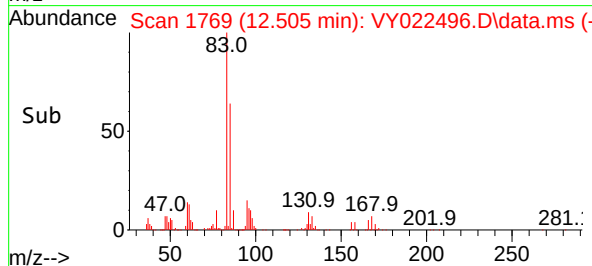
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 31064
Ion Ratio Lower Upper
83 100
131 9.5 4.9 14.7
85 64.3 32.6 97.8

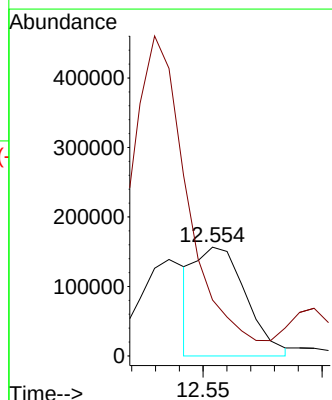
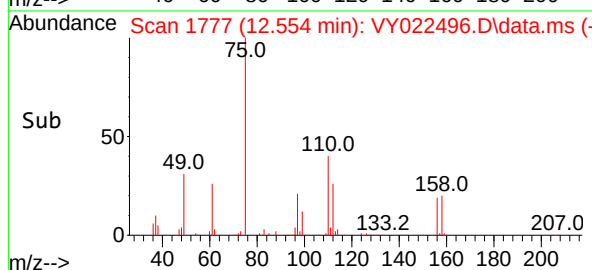
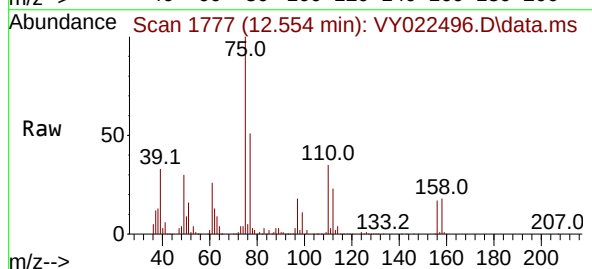
Manual Integrations
APPROVED

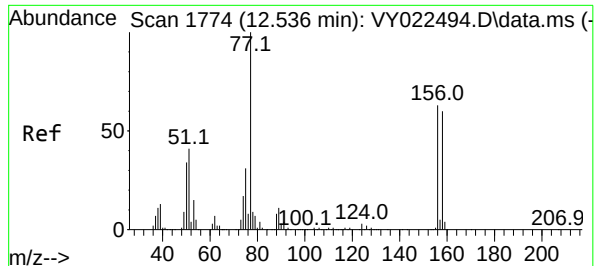
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#76
1,2,3-Trichloropropane
Concen: 116.768 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 231729
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





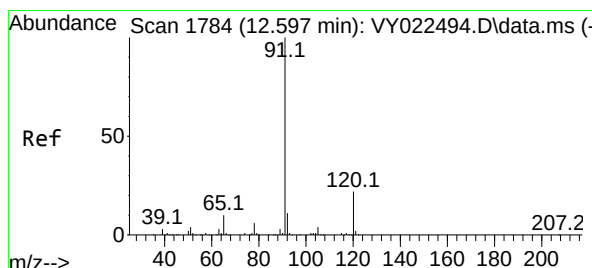
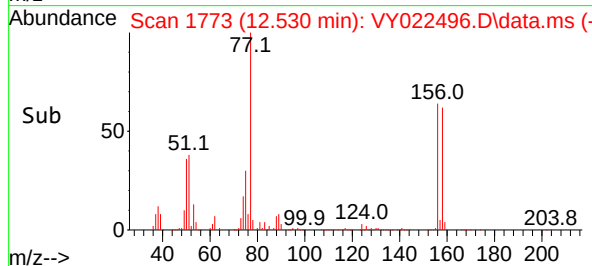
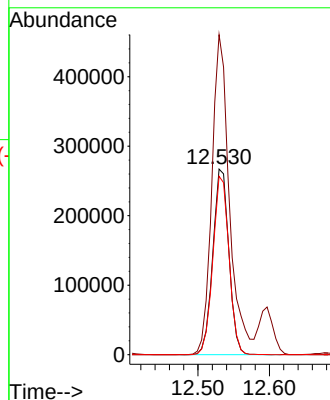
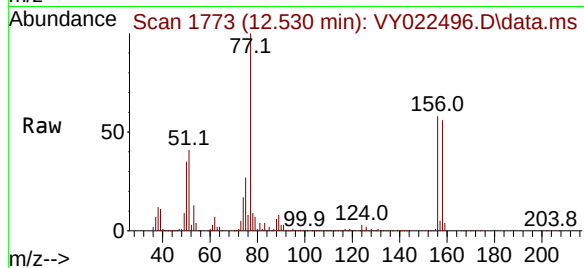
#77
Bromobenzene
Concen: 162.489 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:156 Resp: 41712
Ion Ratio Lower Upper
156 100
77 188.4 94.0 282.1
158 96.4 48.2 144.6

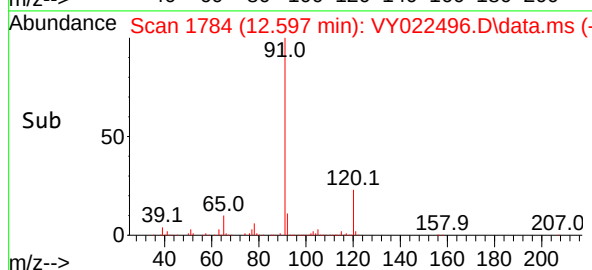
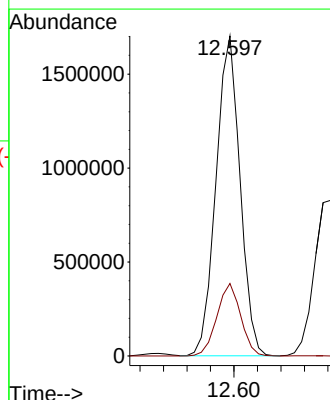
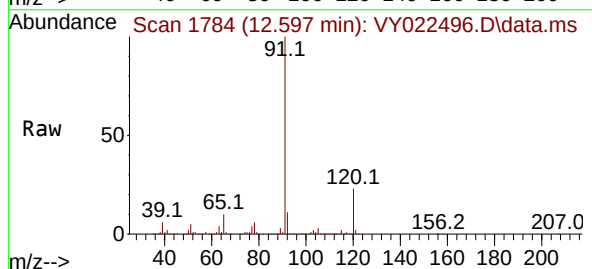
Manual Integrations
APPROVED

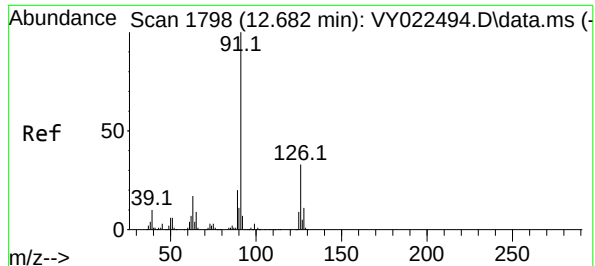
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#78
n-propylbenzene
Concen: 163.876 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 2416013
Ion Ratio Lower Upper
91 100
120 22.4 10.8 32.4





#79

2-Chlorotoluene

Concen: 163.862 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 127558

Ion Ratio Lower Upper

91 100

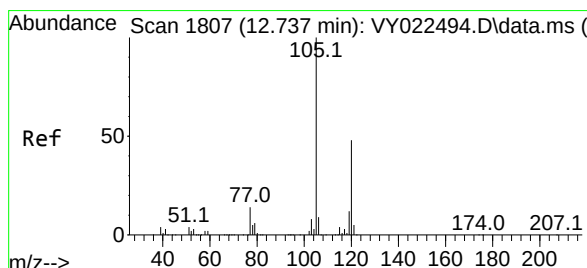
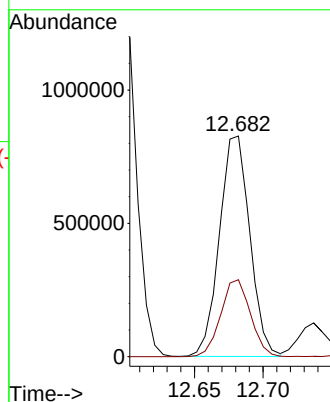
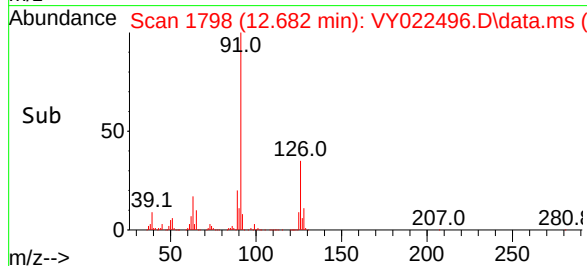
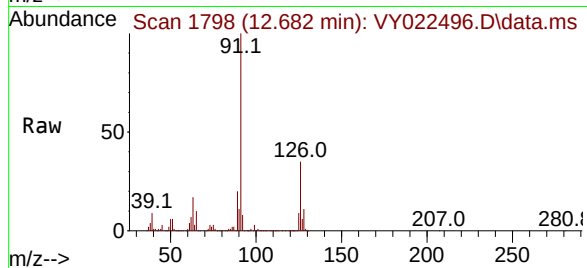
126 34.3 17.0 51.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 166.511 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022496.D

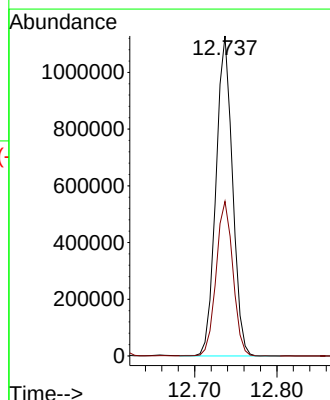
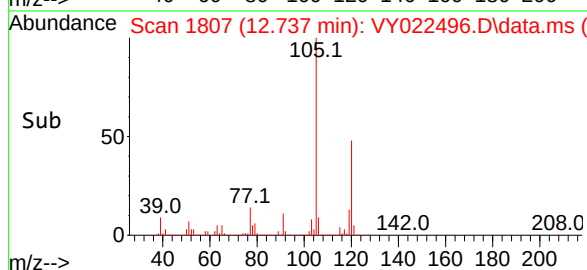
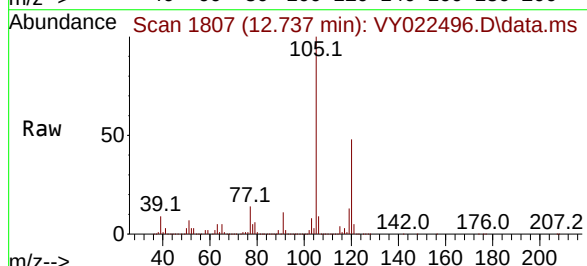
Acq: 02 Jun 2025 13:39

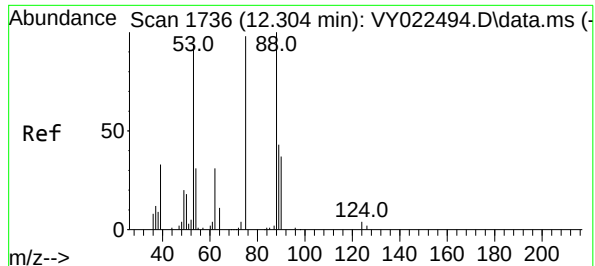
Tgt Ion:105 Resp: 1576906

Ion Ratio Lower Upper

105 100

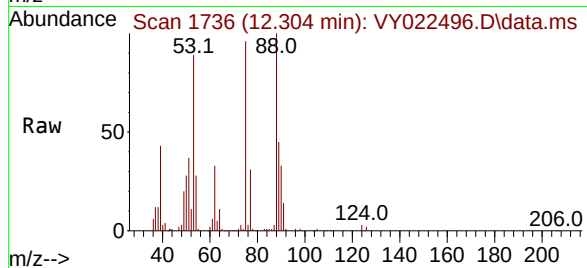
120 49.0 24.1 72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 160.989 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

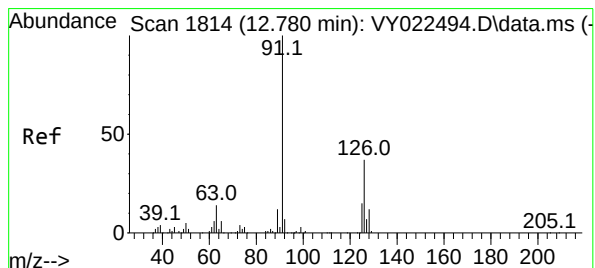
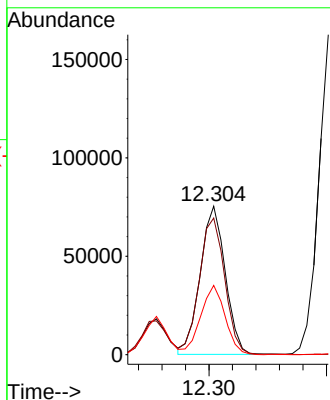
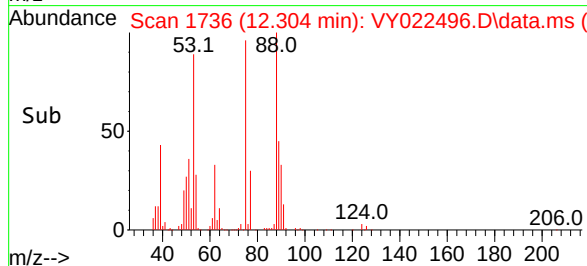
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 111432
Ion Ratio Lower Upper
75 100
53 93.2 78.5 117.7
89 46.1 35.7 53.5

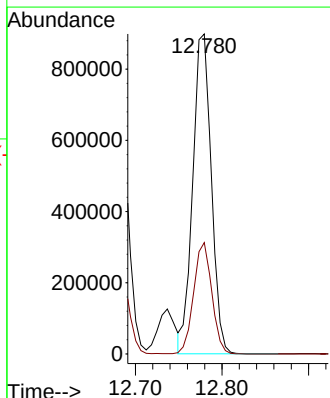
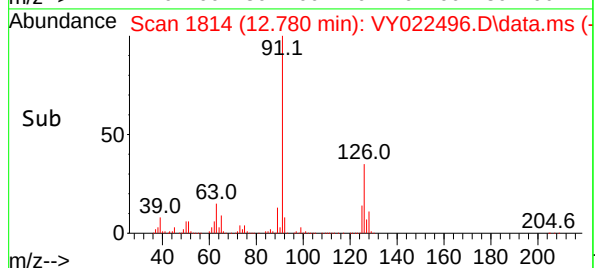
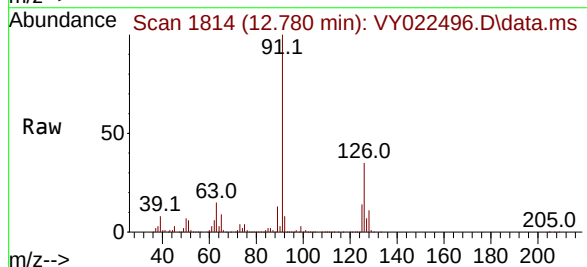
Manual Integrations
APPROVED

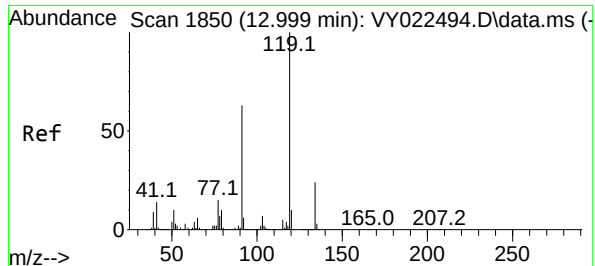
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#82
4-Chlorotoluene
Concen: 165.467 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 1334965
Ion Ratio Lower Upper
91 100
126 34.2 17.0 50.9





#83

tert-Butylbenzene

Concen: 166.064 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:119 Resp: 143464

Ion Ratio Lower Upper

119 100

91 63.7 32.1 96.3

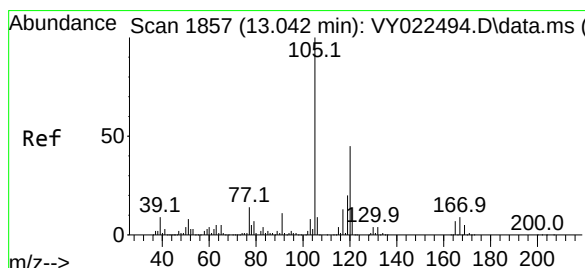
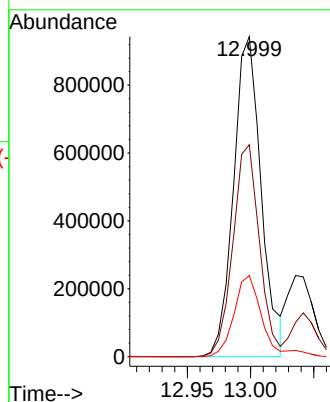
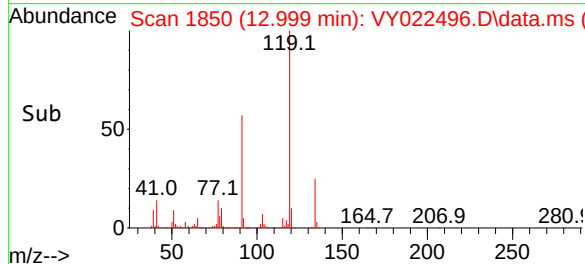
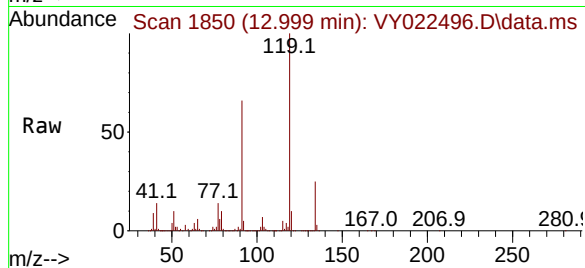
134 25.9 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#84

1,2,4-Trimethylbenzene

Concen: 171.323 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022496.D

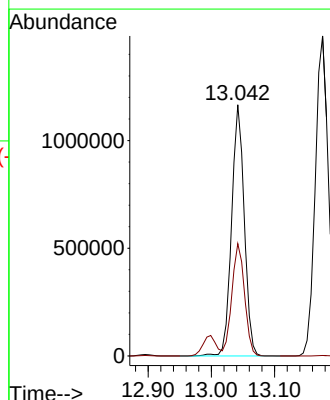
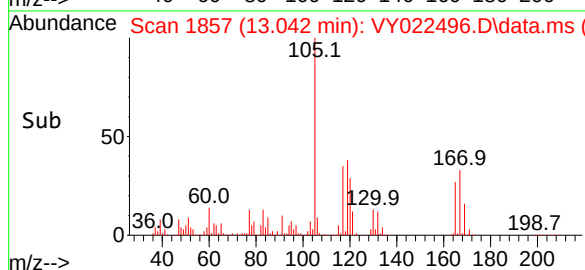
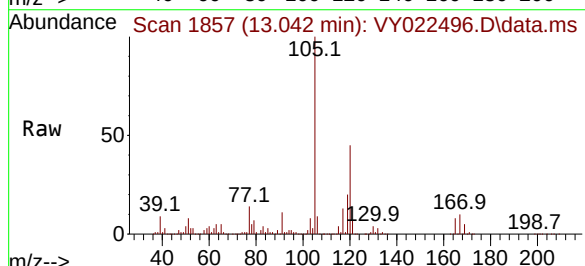
Acq: 02 Jun 2025 13:39

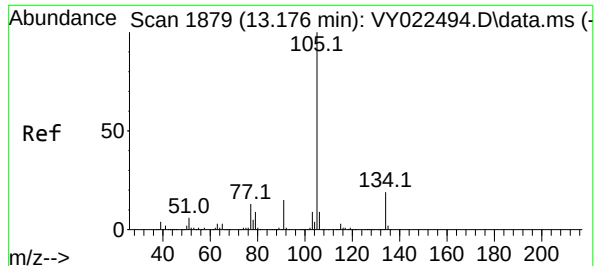
Tgt Ion:105 Resp: 1623289

Ion Ratio Lower Upper

105 100

120 44.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 163.415 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 214044

Ion Ratio Lower Upper

105 100

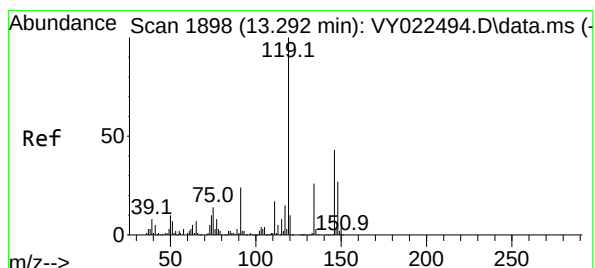
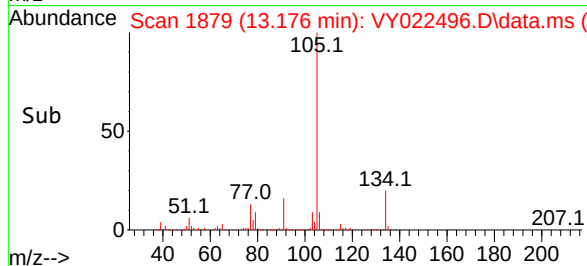
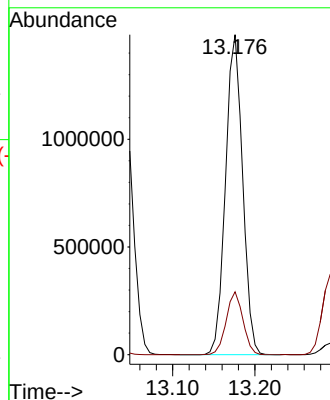
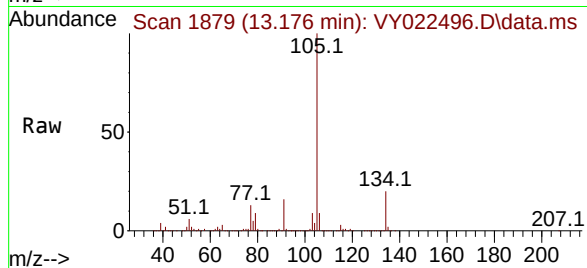
134 19.3 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#86

p-Isopropyltoluene

Concen: 174.353 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

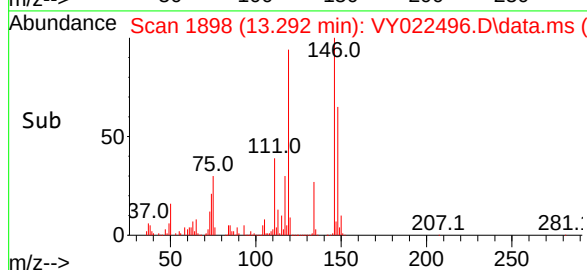
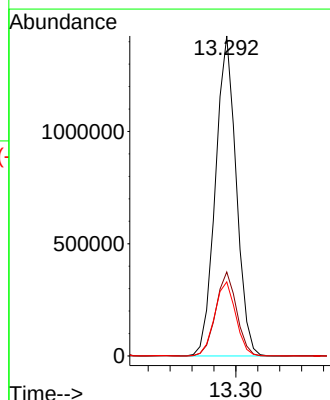
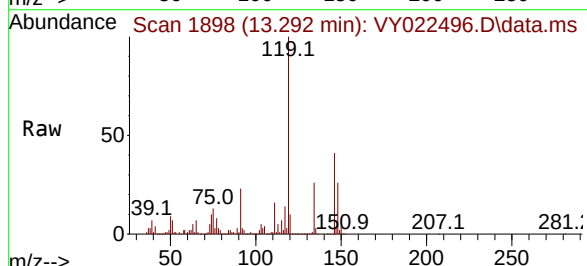
Tgt Ion:119 Resp: 1877539

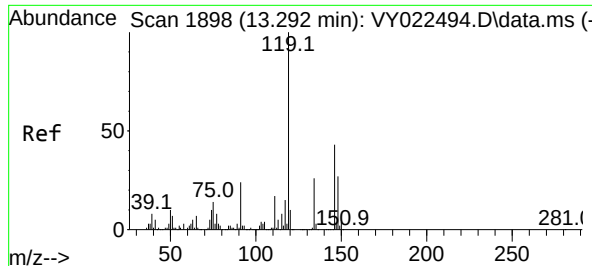
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 23.6 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 172.326 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 885058

Ion Ratio Lower Upper

146 100

111 39.8 20.1 60.2

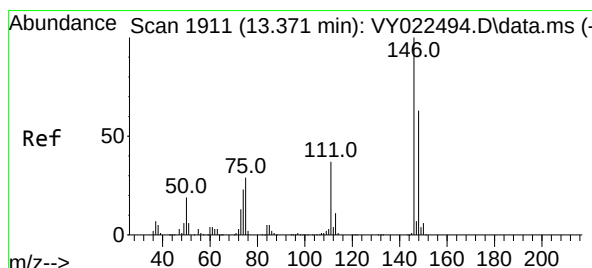
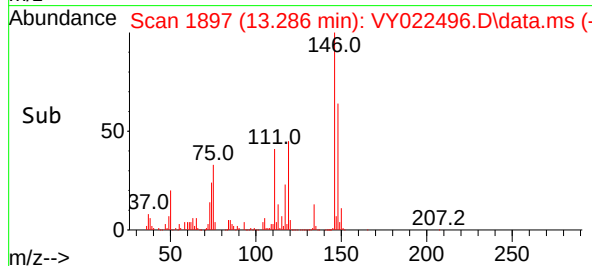
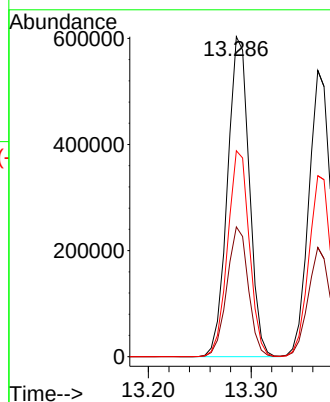
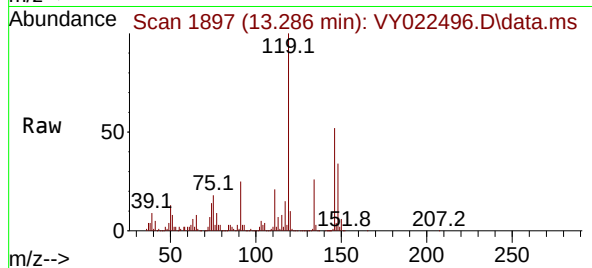
148 64.2 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#88

1,4-Dichlorobenzene

Concen: 160.470 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

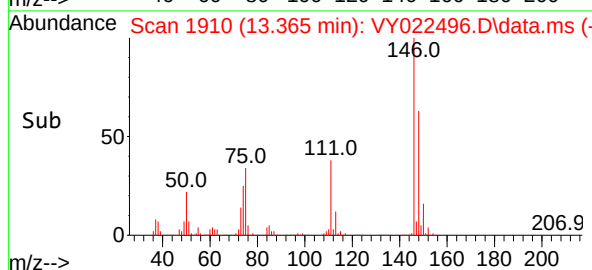
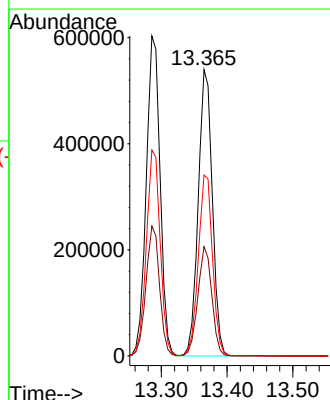
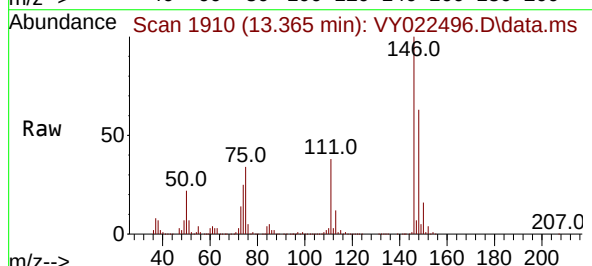
Tgt Ion:146 Resp: 803022

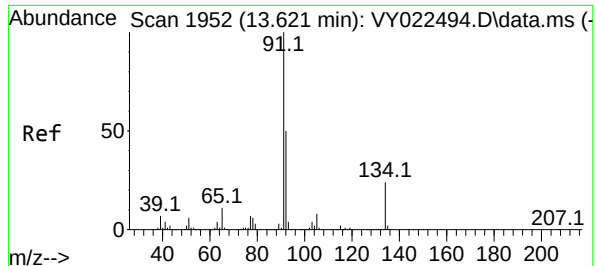
Ion Ratio Lower Upper

146 100

111 37.7 19.4 58.2

148 63.7 31.6 94.8





#89

n-Butylbenzene

Concen: 164.939 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 1691118

Ion Ratio Lower Upper

91 100

92 52.6 25.9 77.8

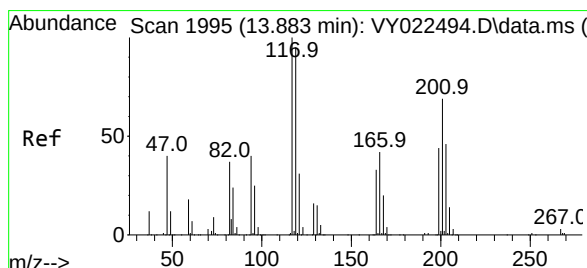
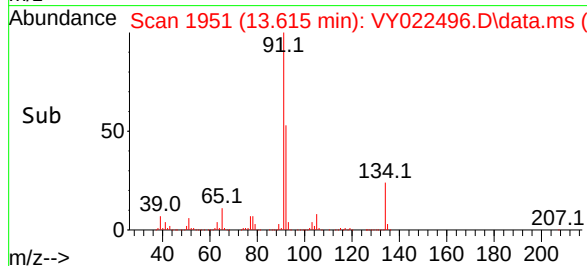
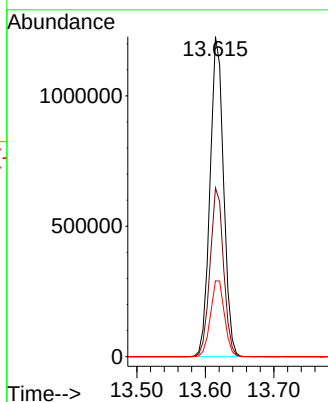
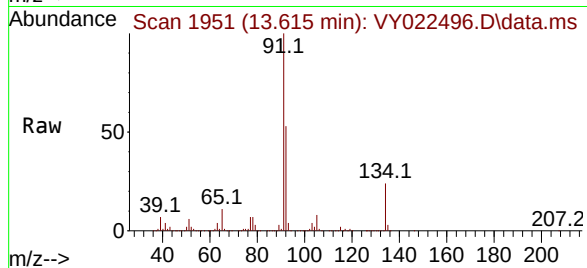
134 24.6 12.0 36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#90

Hexachloroethane

Concen: 160.801 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY022496.D

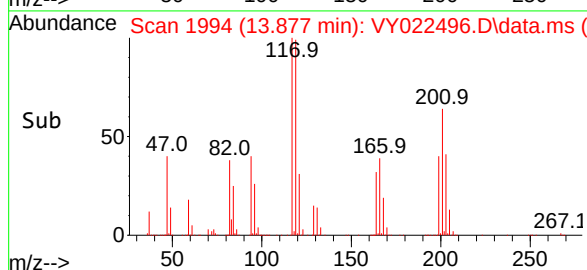
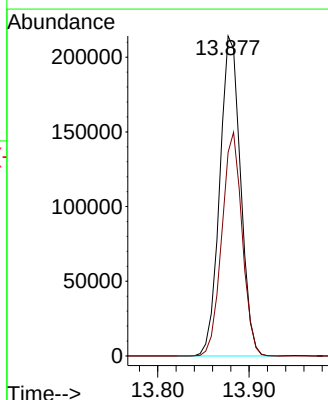
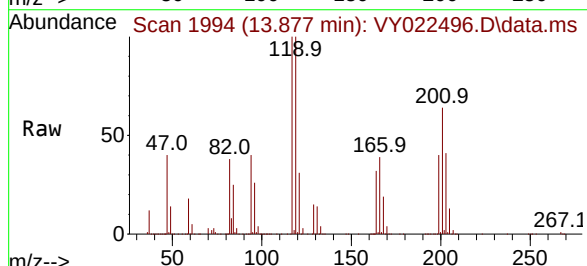
Acq: 02 Jun 2025 13:39

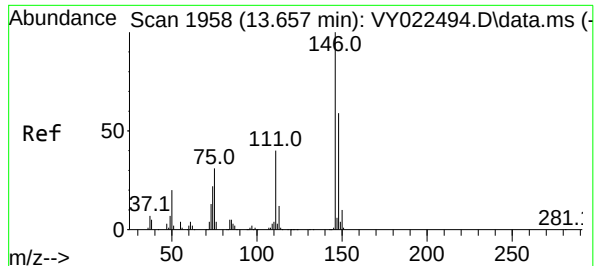
Tgt Ion:117 Resp: 338845

Ion Ratio Lower Upper

117 100

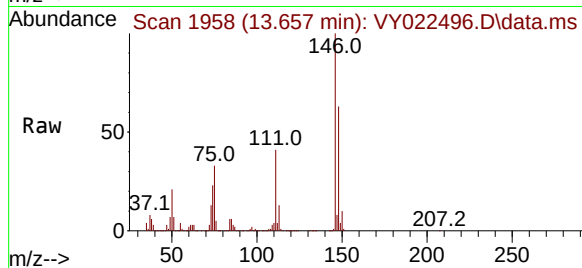
201 68.2 34.0 102.0





#91
1,2-Dichlorobenzene
Concen: 159.809 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

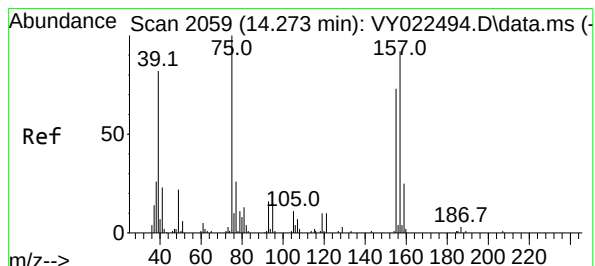
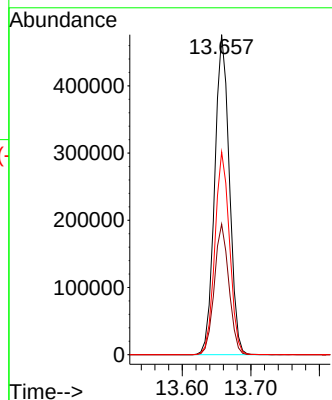
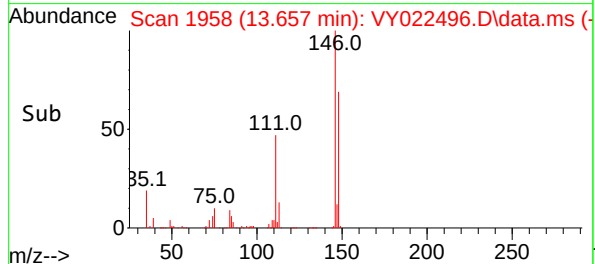
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:146 Resp: 705129
Ion Ratio Lower Upper
146 100
111 40.5 20.2 60.6
148 63.2 31.4 94.0

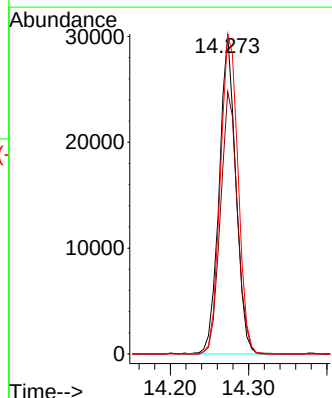
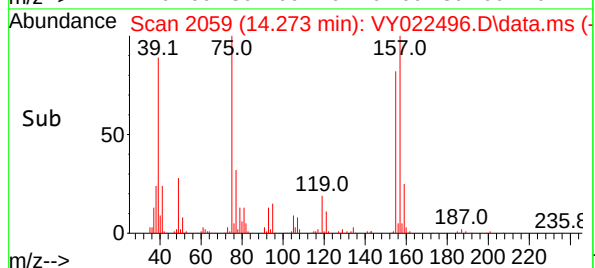
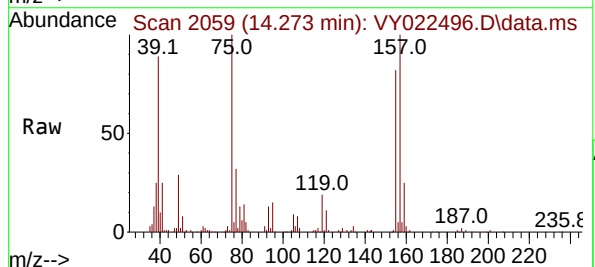
Manual Integrations
APPROVED

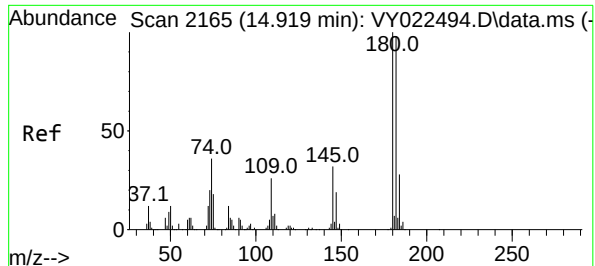
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 149.709 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 44514
Ion Ratio Lower Upper
75 100
155 83.7 39.9 119.6
157 106.5 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 161.773 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 390170

Ion Ratio Lower Upper

180 100

182 94.2 48.4 145.3

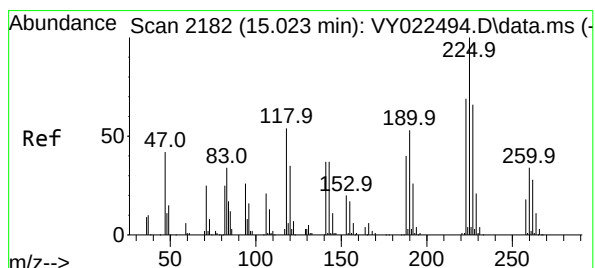
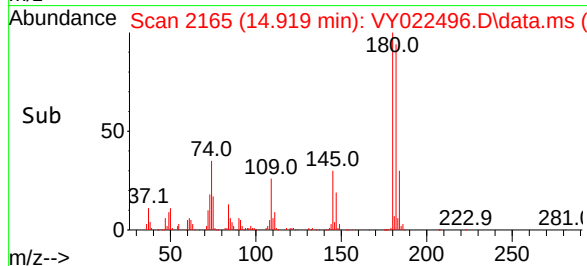
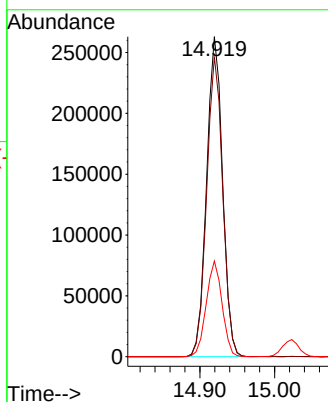
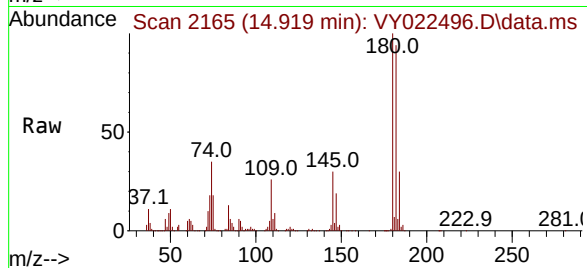
145 29.7 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#94

Hexachlorobutadiene

Concen: 151.389 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

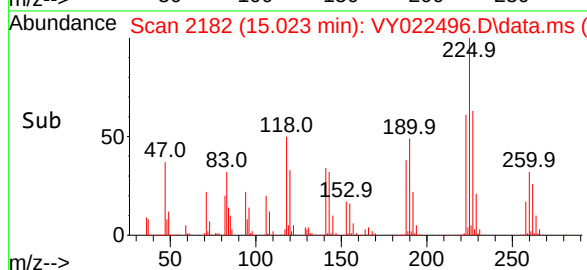
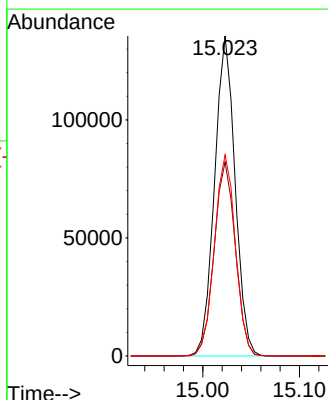
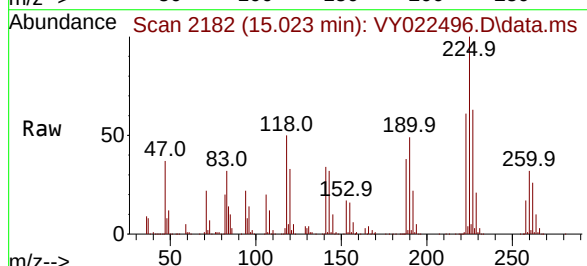
Tgt Ion:225 Resp: 199423

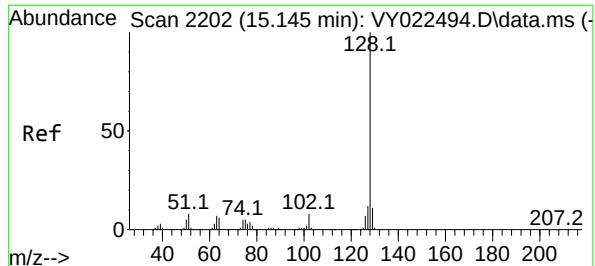
Ion Ratio Lower Upper

225 100

223 62.5 32.5 97.4

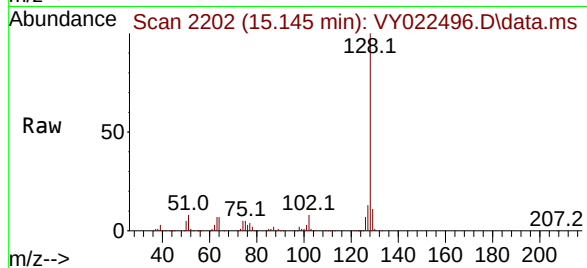
227 64.2 32.3 96.9





#95
Naphthalene
Concen: 162.970 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

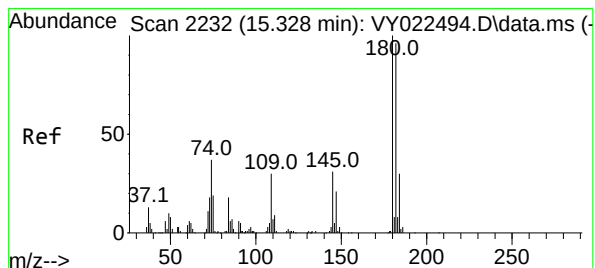
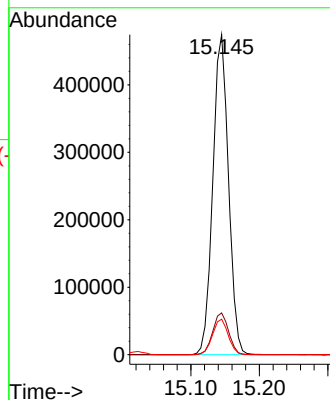
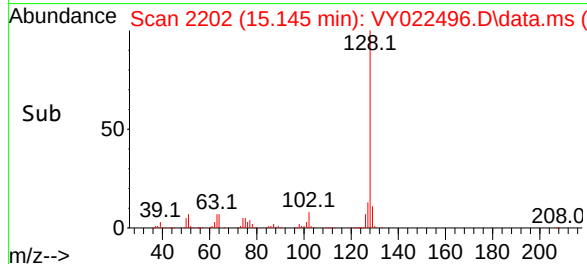
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:128 Resp: 753279
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.2 8.9 13.3

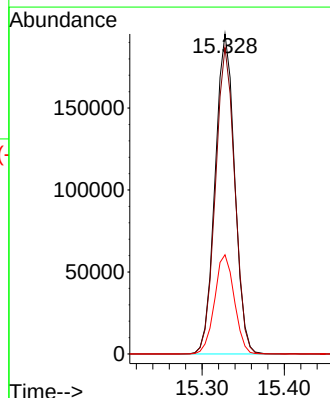
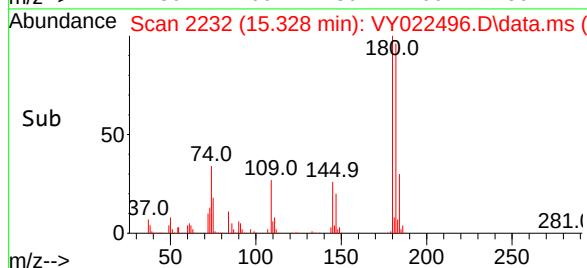
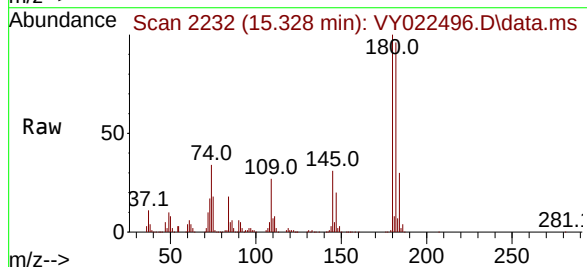
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 157.072 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:180 Resp: 321960
Ion Ratio Lower Upper
180 100
182 95.0 47.1 141.3
145 31.3 15.2 45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022498.D
 Acq On : 02 Jun 2025 14:59
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY060225

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	219240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	365013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145254	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	106759	43.538	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.080%
35) Dibromofluoromethane	7.634	113	101692	46.676	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.360%
50) Toluene-d8	10.109	98	411640	46.760	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.520%
62) 4-Bromofluorobenzene	12.408	95	120253	45.847	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	84059	42.825	ug/l	99
3) Chloromethane	2.068	50	276116	47.616	ug/l	100
4) Vinyl Chloride	2.202	62	323338	48.066	ug/l	97
5) Bromomethane	2.599	94	274123	42.515	ug/l	99
6) Chloroethane	2.733	64	205816	44.575	ug/l	96
7) Trichlorofluoromethane	3.050	101	271122	47.475	ug/l	96
8) Diethyl Ether	3.458	74	56906	44.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	108788	45.230	ug/l	99
10) Methyl Iodide	4.007	142	116830	44.885	ug/l	100
11) Tert butyl alcohol	4.879	59	36036	205.761	ug/l	97
12) 1,1-Dichloroethene	3.787	96	106297	46.234	ug/l	98
13) Acrolein	3.653	56	48776	223.473	ug/l	98
14) Allyl chloride	4.385	41	165428	45.834	ug/l	99
15) Acrylonitrile	5.061	53	118175	216.963	ug/l	100
16) Acetone	3.873	43	110479	221.854	ug/l	99
17) Carbon Disulfide	4.104	76	341772	46.432	ug/l	100
18) Methyl Acetate	4.391	43	57416	38.935	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	284761	43.974	ug/l	99
20) Methylene Chloride	4.616	84	115624	40.875	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	118427	46.024	ug/l	95
22) Diisopropyl ether	6.019	45	354328	44.104	ug/l	96
23) Vinyl Acetate	5.964	43	1064896	223.951	ug/l	100
24) 1,1-Dichloroethane	5.915	63	217965	46.053	ug/l	98
25) 2-Butanone	6.897	43	158557	220.736	ug/l	98
26) 2,2-Dichloropropane	6.890	77	195035	46.639	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136882	46.024	ug/l	99
28) Bromochloromethane	7.244	49	96031	46.547	ug/l	100
29) Tetrahydrofuran	7.262	42	98109	211.767	ug/l	100
30) Chloroform	7.427	83	215264	45.919	ug/l	94
31) Cyclohexane	7.701	56	206176	43.757	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	194039	46.627	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166116	46.978	ug/l	99
37) Ethyl Acetate	6.988	43	68761	43.605	ug/l	98
38) Carbon Tetrachloride	7.823	117	173199	47.747	ug/l	97
39) Methylcyclohexane	9.110	83	222971	46.923	ug/l	99
40) Benzene	8.085	78	491078	47.020	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022498.D
 Acq On : 02 Jun 2025 14:59
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY060225

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	39730	43.134	ug/l	99
42) 1,2-Dichloroethane	8.158	62	130161	45.644	ug/l	98
43) Isopropyl Acetate	8.201	43	150263	44.122	ug/l #	88
44) Trichloroethene	8.866	130	118971	46.609	ug/l	97
45) 1,2-Dichloropropane	9.140	63	114988	46.587	ug/l	96
46) Dibromomethane	9.231	93	64473	46.430	ug/l	98
47) Bromodichloromethane	9.427	83	164872	46.825	ug/l	100
48) Methyl methacrylate	9.219	41	70644	44.198	ug/l	98
49) 1,4-Dioxane	9.231	88	13433	816.553	ug/l #	95
51) 4-Methyl-2-Pentanone	10.000	43	372276	219.250	ug/l	98
52) Toluene	10.170	92	309375	47.137	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	152066	46.094	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	177445	46.206	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	79596	44.953	ug/l	96
56) Ethyl methacrylate	10.439	69	115237	45.029	ug/l	99
57) 1,3-Dichloropropane	10.719	76	143407	45.696	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	283213	243.746	ug/l	99
59) 2-Hexanone	10.762	43	249926	220.088	ug/l	99
60) Dibromochloromethane	10.914	129	101515	45.114	ug/l	100
61) 1,2-Dibromoethane	11.018	107	74173	45.960	ug/l	97
64) Tetrachloroethene	10.646	164	121944	45.398	ug/l	98
65) Chlorobenzene	11.444	112	317533	45.953	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	105830	45.464	ug/l	98
67) Ethyl Benzene	11.518	91	605560	47.248	ug/l	99
68) m/p-Xylenes	11.633	106	454148	93.473	ug/l	100
69) o-Xylene	11.957	106	209354	45.959	ug/l	98
70) Styrene	11.969	104	352505	46.815	ug/l	98
71) Bromoform	12.133	173	55559	44.852	ug/l #	98
73) Isopropylbenzene	12.255	105	559690	46.933	ug/l	100
74) N-amyl acetate	12.072	43	136915	45.502	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87402	44.656	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	68304m	41.103	ug/l	
77) Bromobenzene	12.536	156	114771	45.607	ug/l	100
78) n-propylbenzene	12.597	91	680155	46.696	ug/l	99
79) 2-Chlorotoluene	12.682	91	358756	46.472	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	438873	46.876	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	29567	42.968	ug/l	100
82) 4-Chlorotoluene	12.780	91	368631	46.289	ug/l	100
83) tert-Butylbenzene	12.999	119	400440	47.655	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	437631	46.735	ug/l	99
85) sec-Butylbenzene	13.176	105	607968	47.241	ug/l	100
86) p-Isopropyltoluene	13.292	119	501979	47.321	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	234193	45.932	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	223096	45.113	ug/l	98
89) n-Butylbenzene	13.621	91	482774	47.968	ug/l	100
90) Hexachloroethane	13.883	117	97273	47.101	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	195728	45.213	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12728	44.665	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	109742	46.481	ug/l	97
94) Hexachlorobutadiene	15.023	225	59236	45.457	ug/l	98
95) Naphthalene	15.145	128	203925	45.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	89699	44.331	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

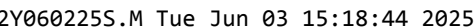
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

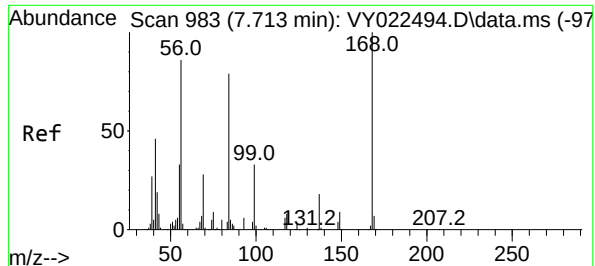
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations

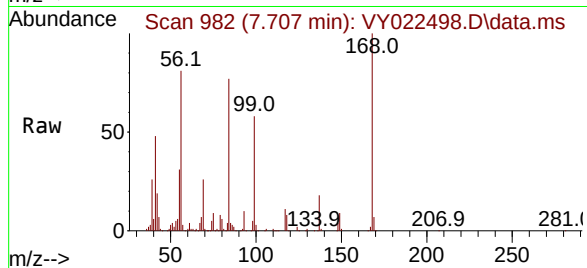
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

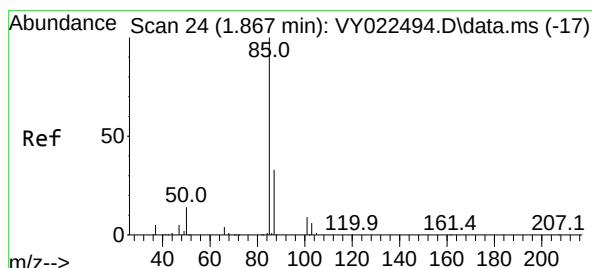
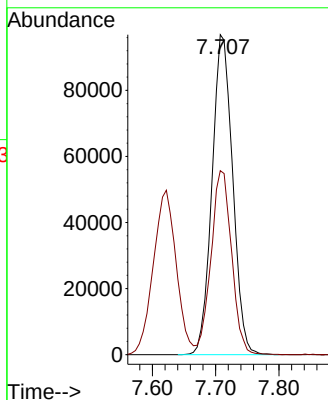
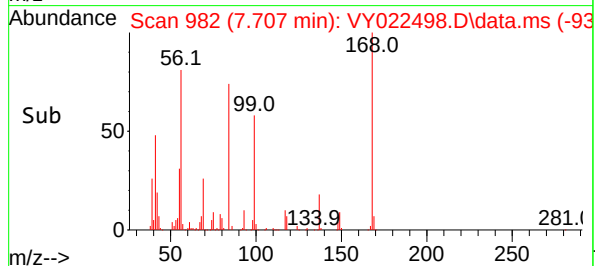
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion:168 Resp: 219240
Ion Ratio Lower Upper
168 100
99 57.4 44.3 66.5

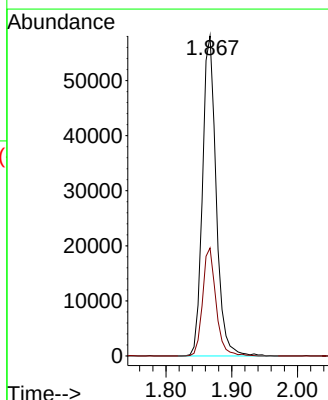
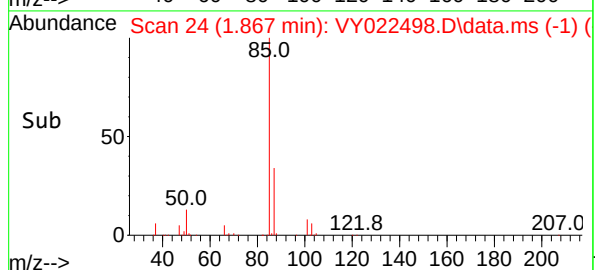
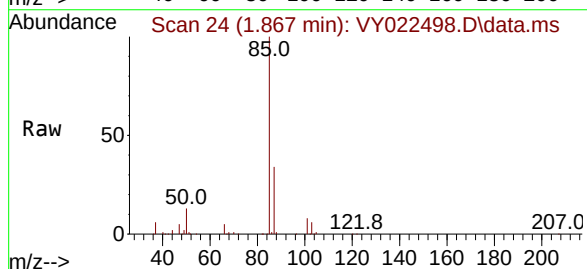
Manual Integrations
APPROVED

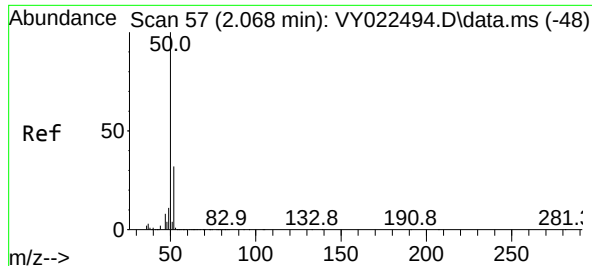
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#2
Dichlorodifluoromethane
Concen: 42.825 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

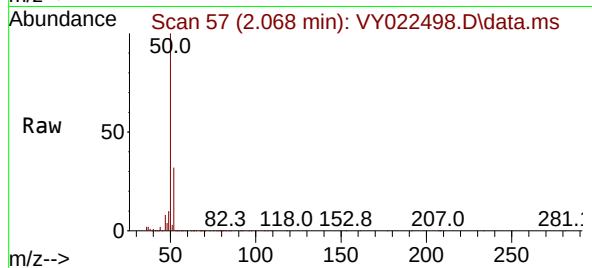
Tgt Ion: 85 Resp: 84059
Ion Ratio Lower Upper
85 100
87 33.7 16.7 50.0





#3
Chloromethane
Concen: 47.616 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

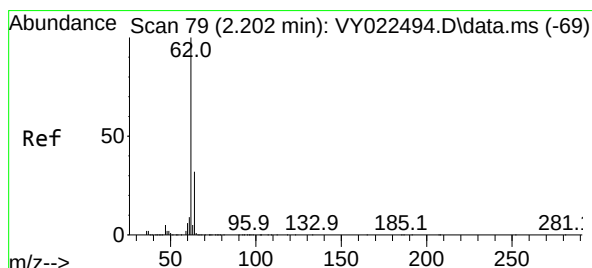
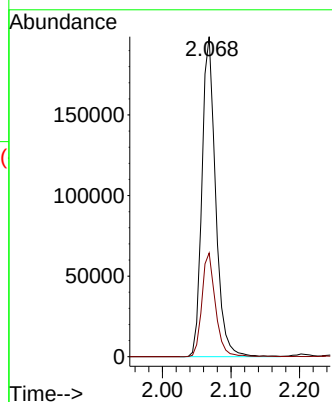
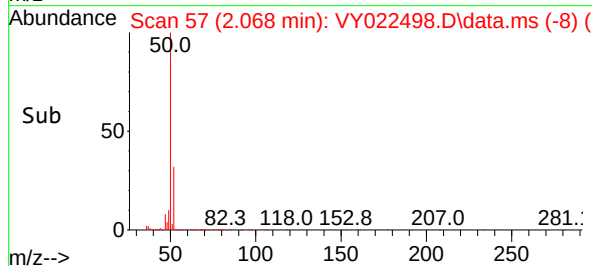
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion: 50 Resp: 276110
Ion Ratio Lower Upper
50 100
52 32.4 26.0 39.0

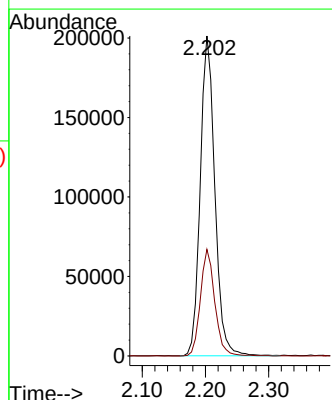
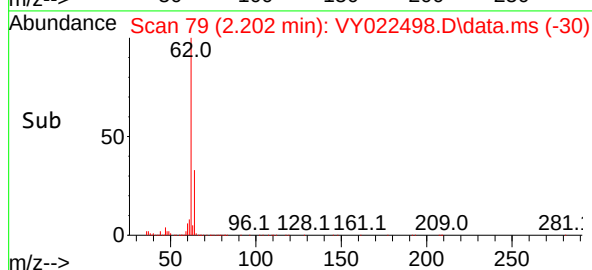
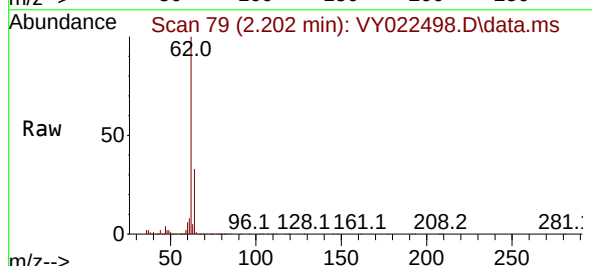
Manual Integrations
APPROVED

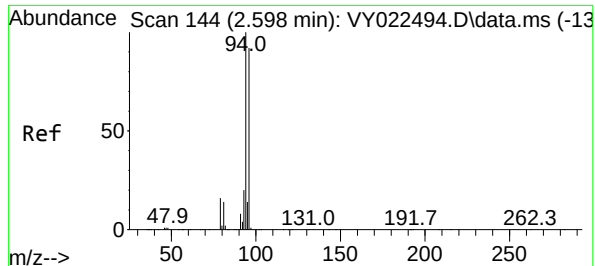
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#4
Vinyl Chloride
Concen: 48.066 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

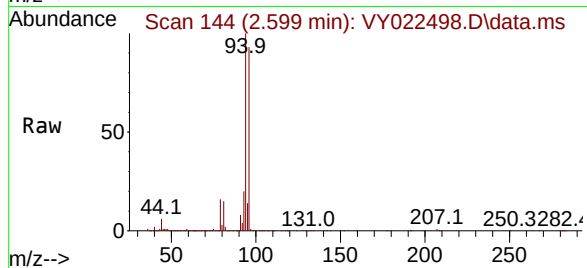
Tgt Ion: 62 Resp: 323338
Ion Ratio Lower Upper
62 100
64 33.3 25.3 37.9





#5
Bromomethane
Concen: 42.515 ug/l
RT: 2.599 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

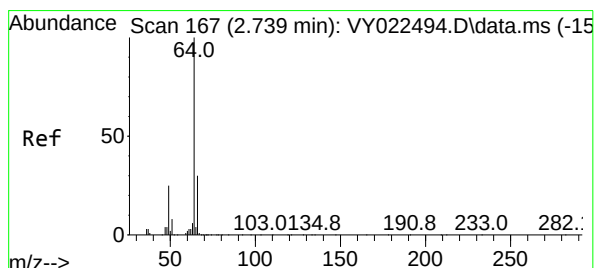
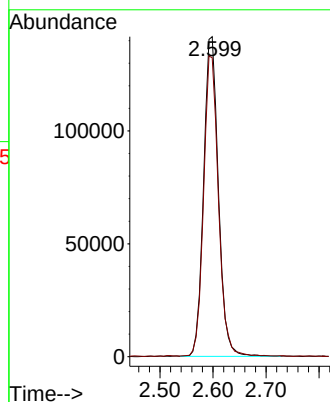
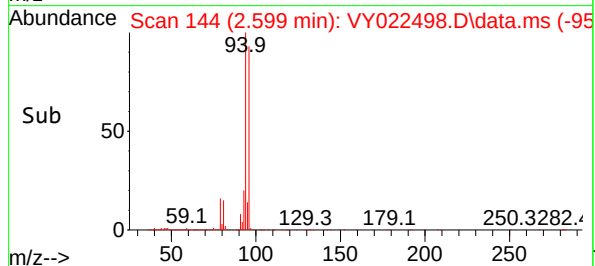
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



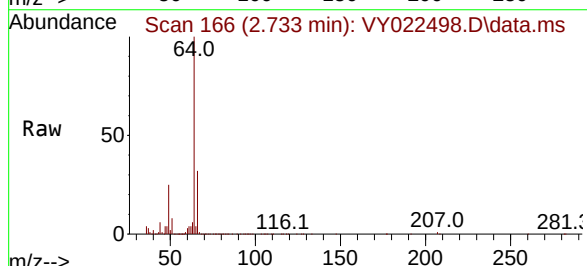
Tgt Ion: 94 Resp: 27412
Ion Ratio Lower Upper
94 100
96 93.4 74.0 111.0

Manual Integrations
APPROVED

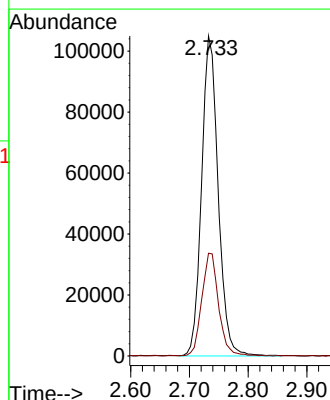
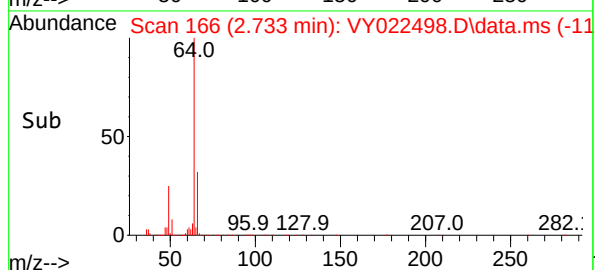
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

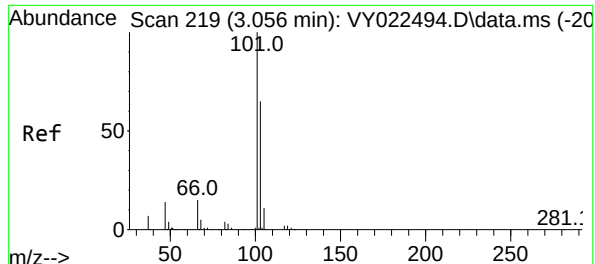


#6
Chloroethane
Concen: 44.575 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



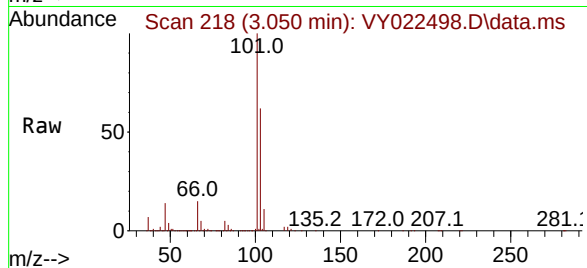
Tgt Ion: 64 Resp: 205816
Ion Ratio Lower Upper
64 100
66 32.0 23.8 35.6





#7
Trichlorofluoromethane
Concen: 47.475 ug/l
RT: 3.050 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

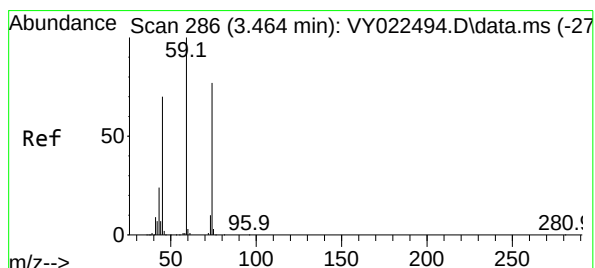
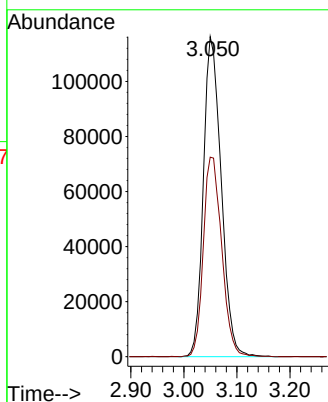
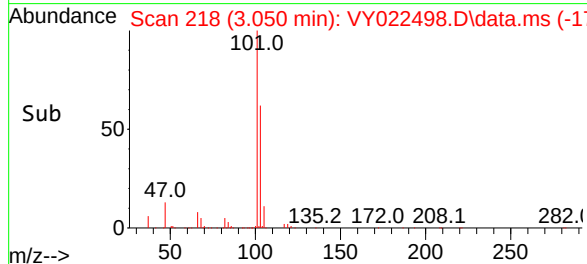
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion:101 Resp: 27112
Ion Ratio Lower Upper
101 100
103 62.4 52.2 78.2

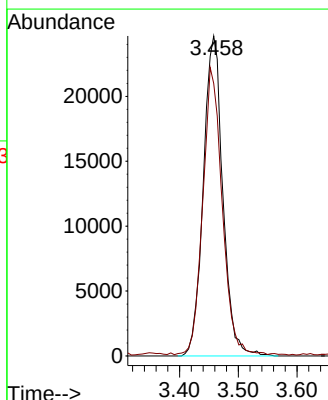
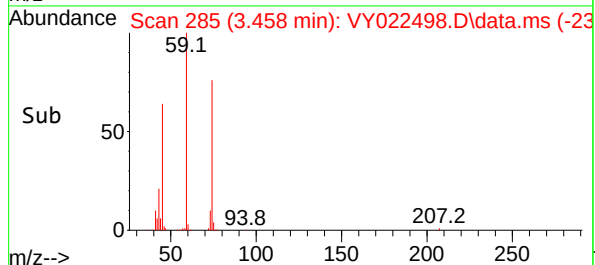
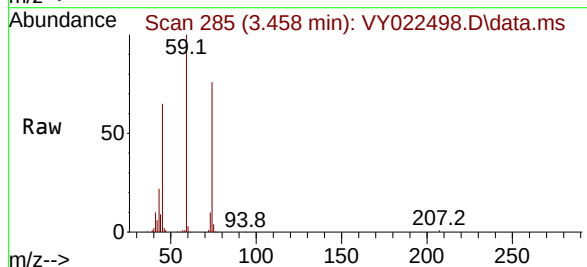
Manual Integrations
APPROVED

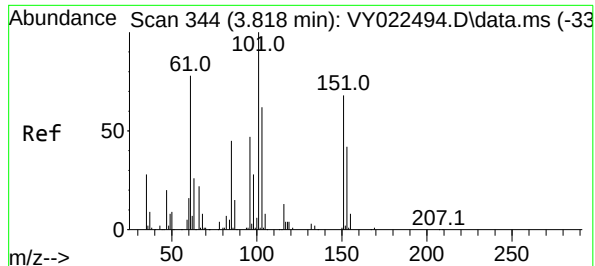
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#8
Diethyl Ether
Concen: 44.247 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 74 Resp: 56906
Ion Ratio Lower Upper
74 100
45 89.1 45.9 137.6





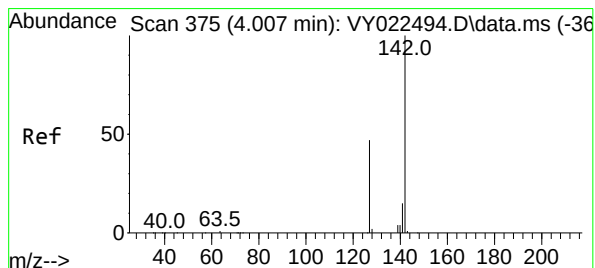
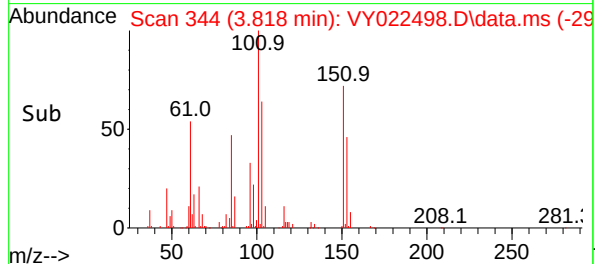
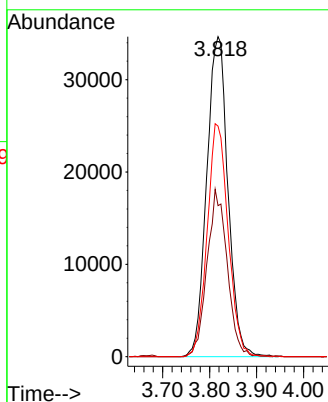
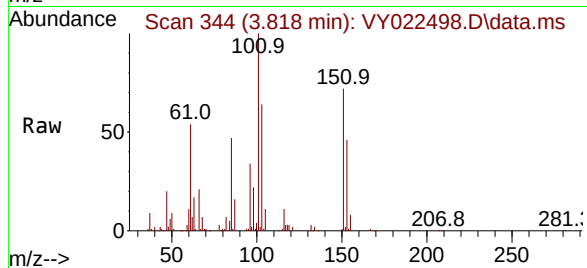
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.230 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:101 Resp: 108788
Ion Ratio Lower Upper
101 100
85 49.7 39.3 58.9
151 71.8 57.8 86.8

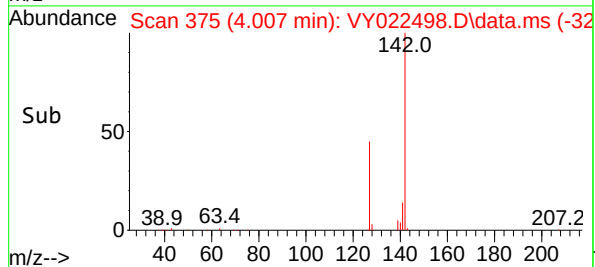
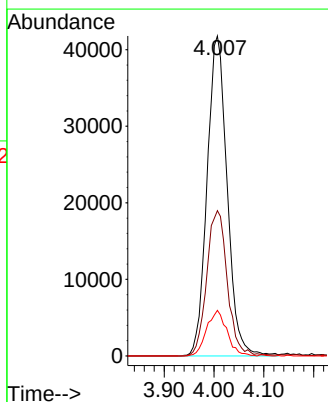
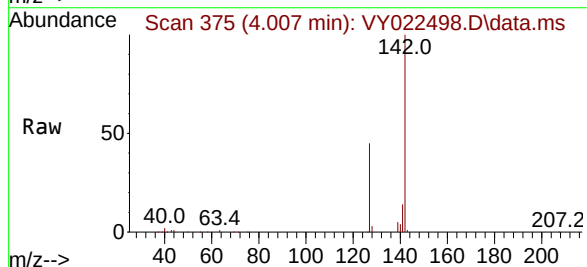
Manual Integrations
APPROVED

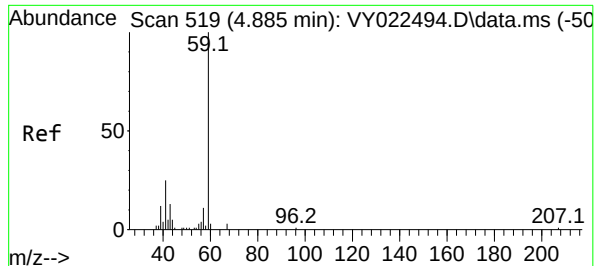
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#10
Methyl Iodide
Concen: 44.885 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:142 Resp: 116830
Ion Ratio Lower Upper
142 100
127 46.7 37.1 55.7
141 14.5 11.4 17.2





#11

Tert butyl alcohol

Concen: 205.761 ug/l

RT: 4.879 min Scan# 519

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 59 Resp: 3603

Ion Ratio Lower Upper

59 100

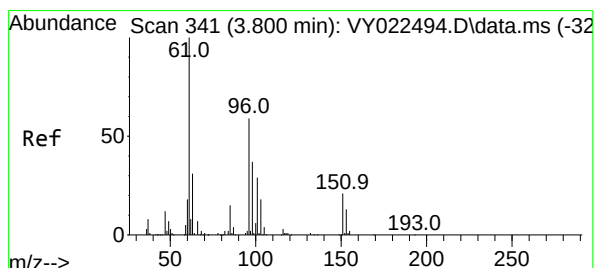
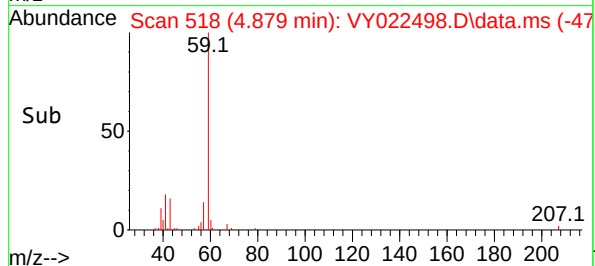
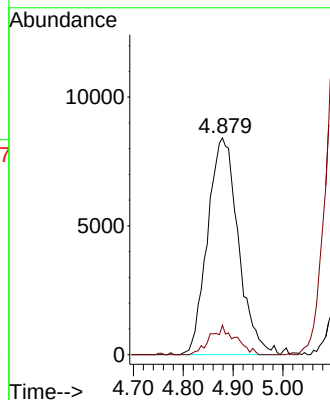
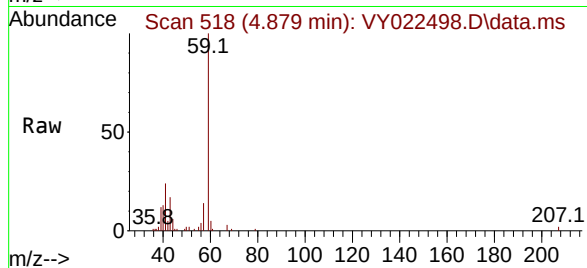
57 11.1 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#12

1,1-Dichloroethene

Concen: 46.234 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.012 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

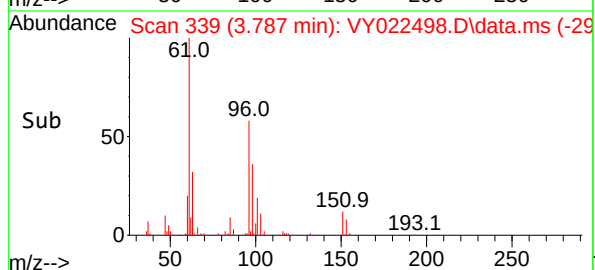
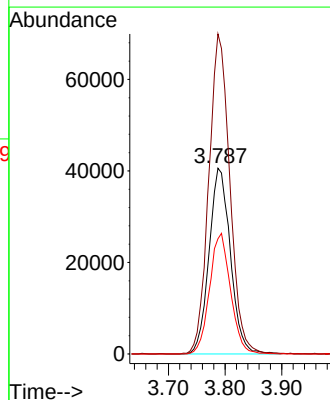
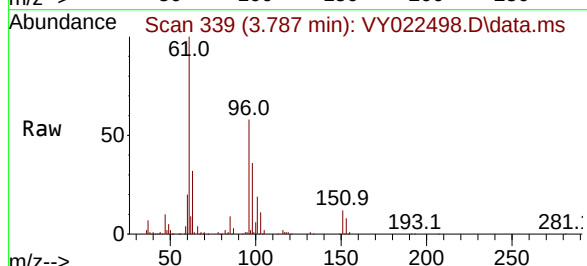
Tgt Ion: 96 Resp: 106297

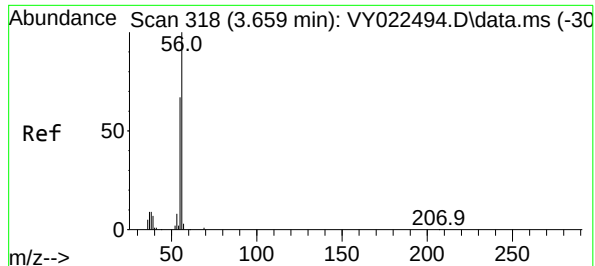
Ion Ratio Lower Upper

96 100

61 172.2 134.6 201.8

98 62.0 50.2 75.4





#13

Acrolein

Concen: 223.473 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 56 Resp: 48776

Ion Ratio Lower Upper

56 100

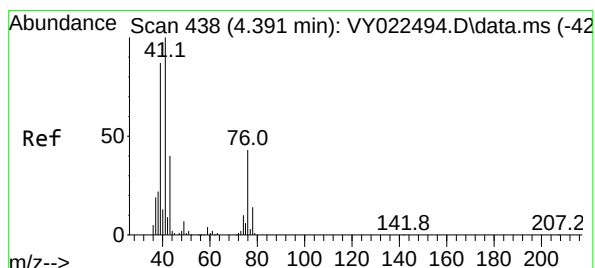
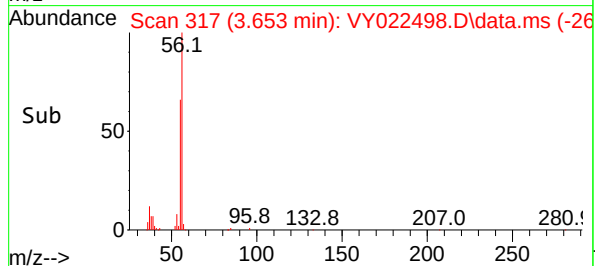
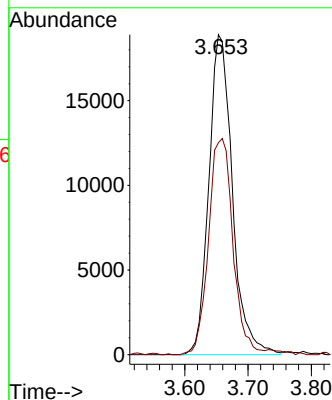
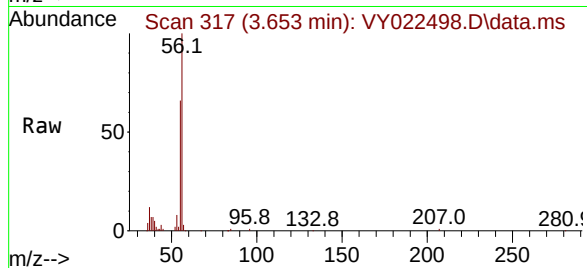
55 70.0 57.0 85.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#14

Allyl chloride

Concen: 45.834 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

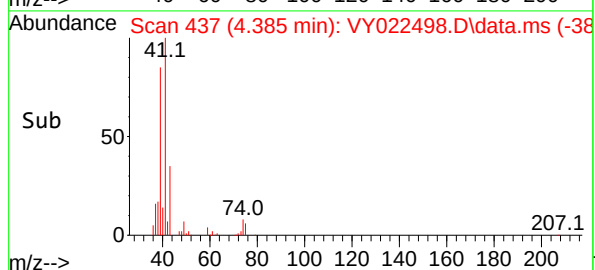
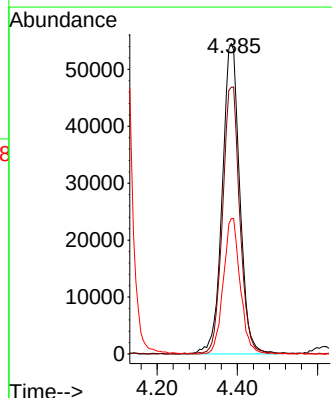
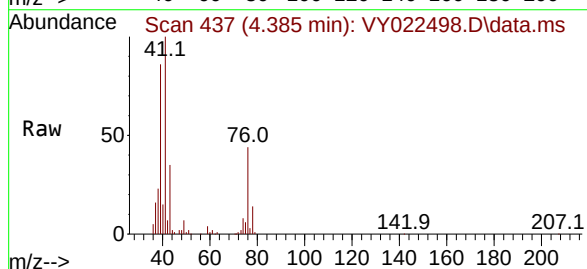
Tgt Ion: 41 Resp: 165428

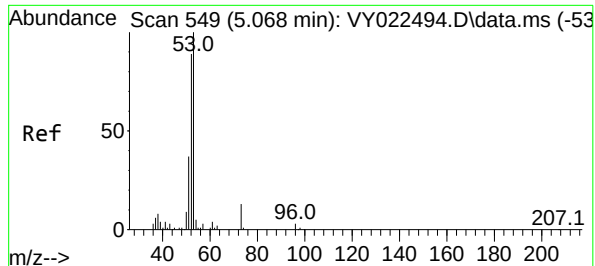
Ion Ratio Lower Upper

41 100

39 84.5 69.1 103.7

76 41.9 33.5 50.3





#15

Acrylonitrile

Concen: 216.963 ug/l

RT: 5.061 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 53 Resp: 118179

Ion Ratio Lower Upper

53 100

52 82.1 65.7 98.5

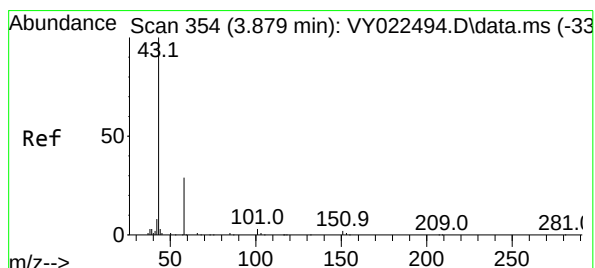
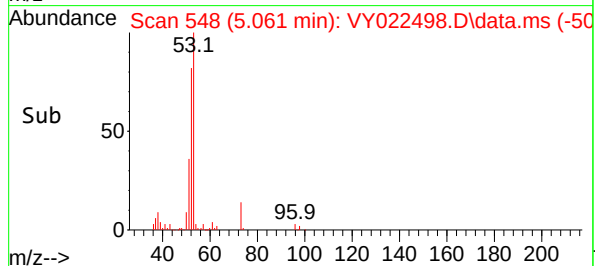
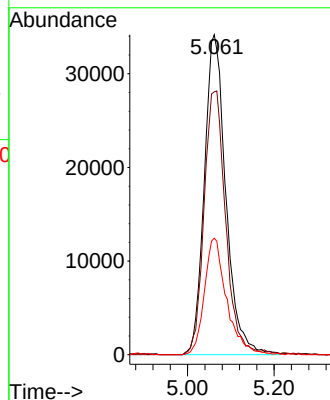
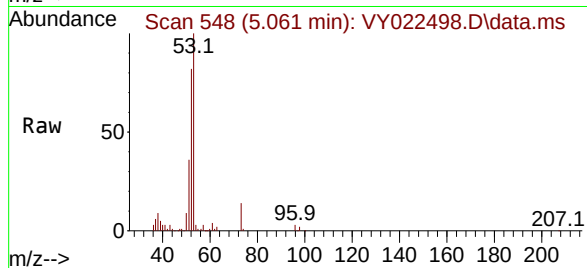
51 37.5 30.1 45.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#16

Acetone

Concen: 221.854 ug/l

RT: 3.873 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY022498.D

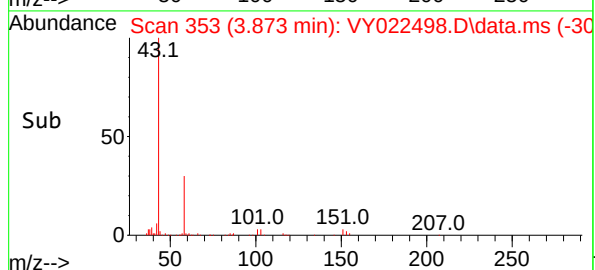
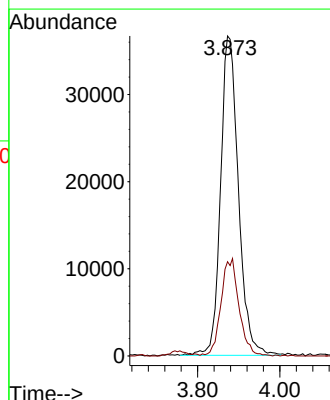
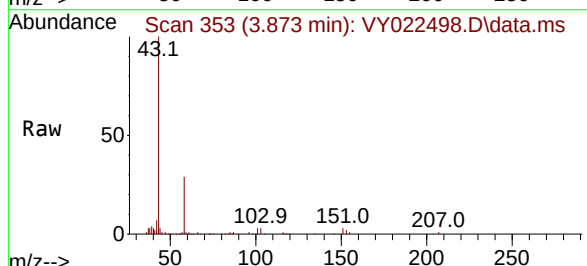
Acq: 02 Jun 2025 14:59

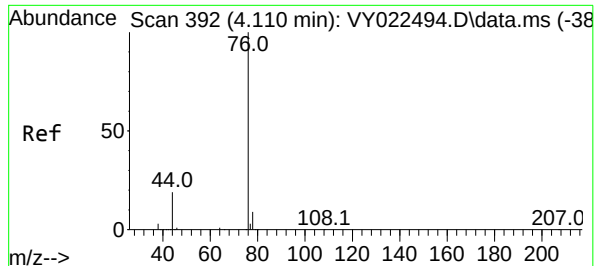
Tgt Ion: 43 Resp: 110479

Ion Ratio Lower Upper

43 100

58 29.5 24.0 36.0





#17

Carbon Disulfide

Concen: 46.432 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 76 Resp: 341772

Ion Ratio Lower Upper

76 100

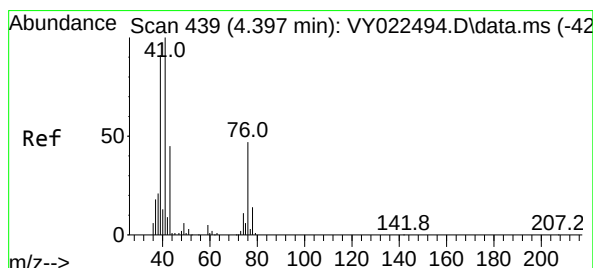
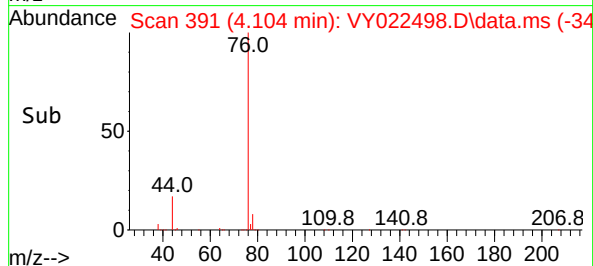
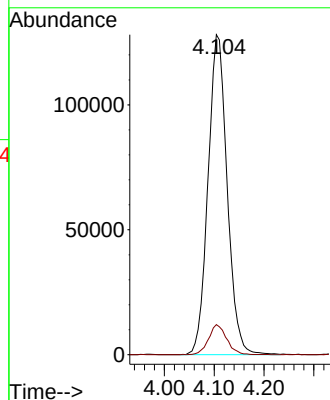
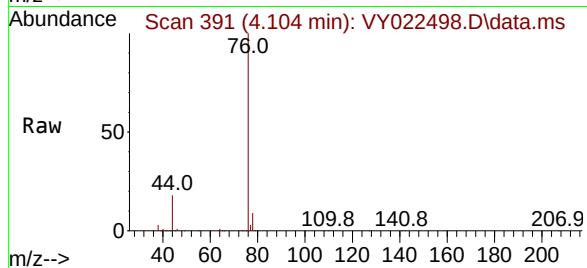
78 9.4 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#18

Methyl Acetate

Concen: 38.935 ug/l

RT: 4.391 min Scan# 438

Delta R.T. -0.006 min

Lab File: VY022498.D

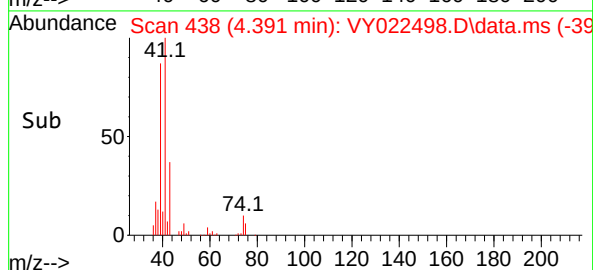
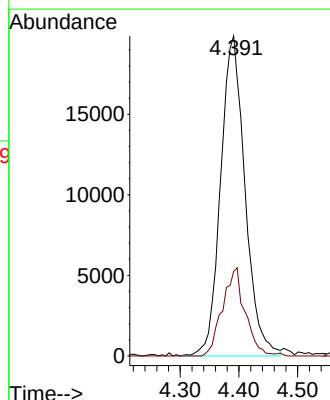
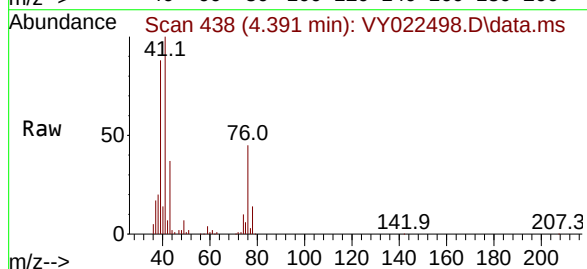
Acq: 02 Jun 2025 14:59

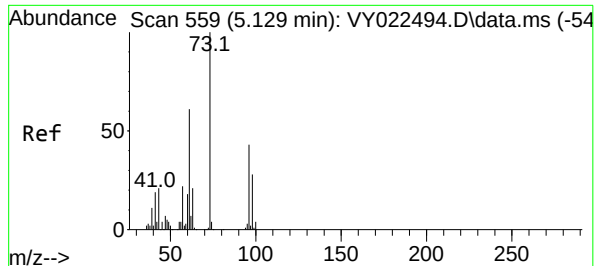
Tgt Ion: 43 Resp: 57416

Ion Ratio Lower Upper

43 100

74 25.6 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 43.974 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY060225

Tgt Ion: 73 Resp: 28476

Ion Ratio Lower Upper

73 100

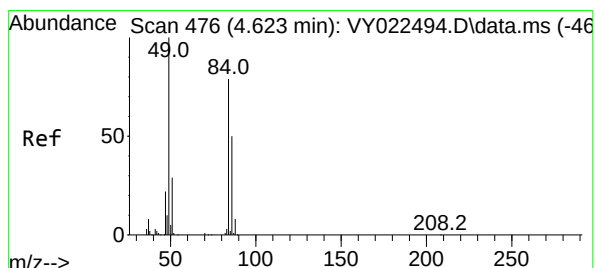
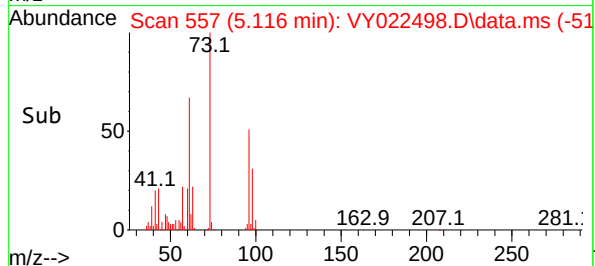
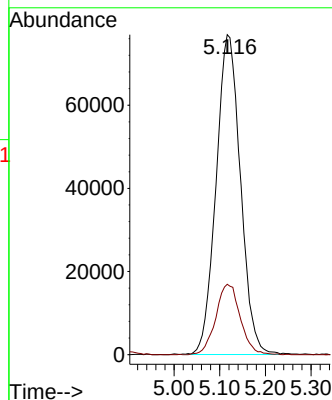
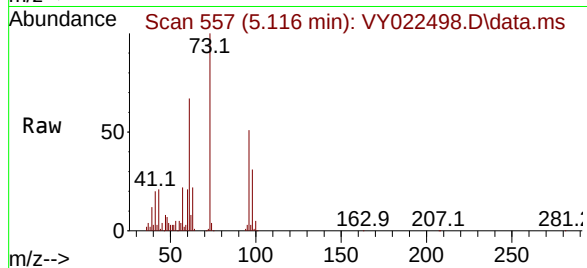
57 22.0 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#20

Methylene Chloride

Concen: 40.875 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Tgt Ion: 84 Resp: 115624

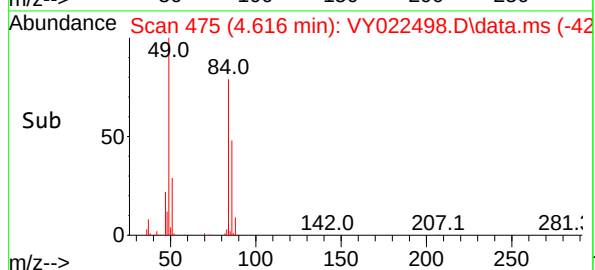
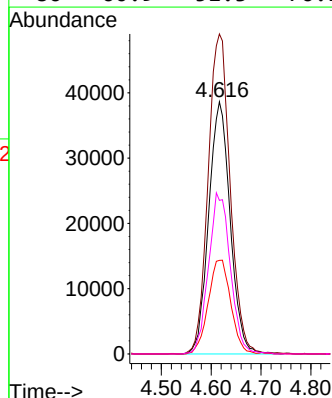
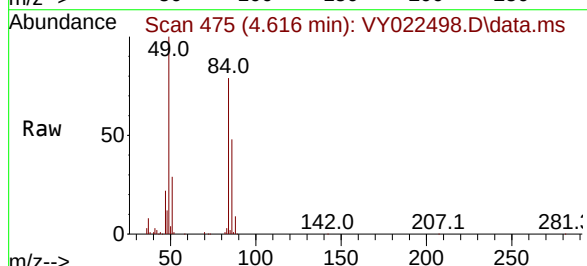
Ion Ratio Lower Upper

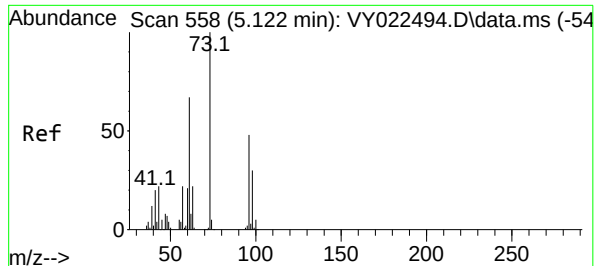
84 100

49 126.9 101.9 152.9

51 37.1 29.8 44.8

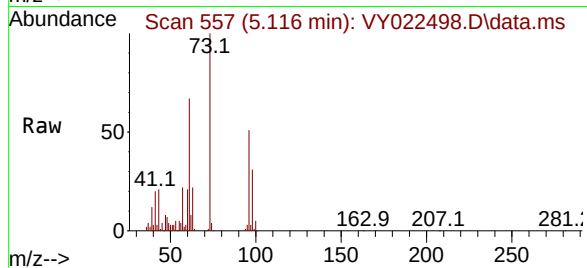
86 60.9 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 46.024 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

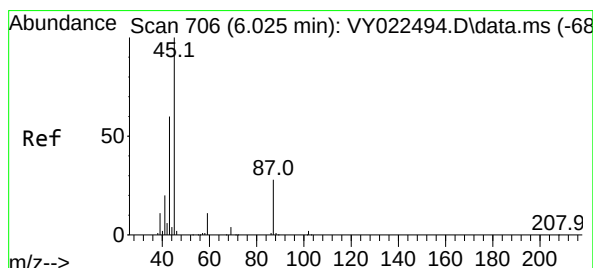
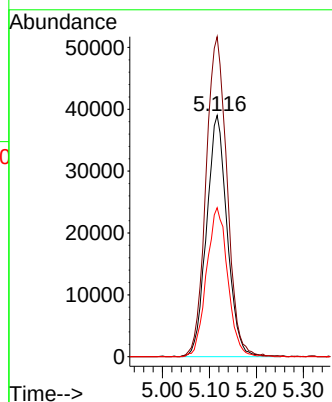
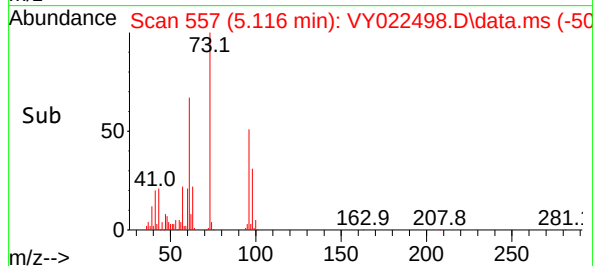
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion: 96 Resp: 11842
Ion Ratio Lower Upper
96 100
61 132.6 112.6 169.0
98 61.8 50.6 75.8

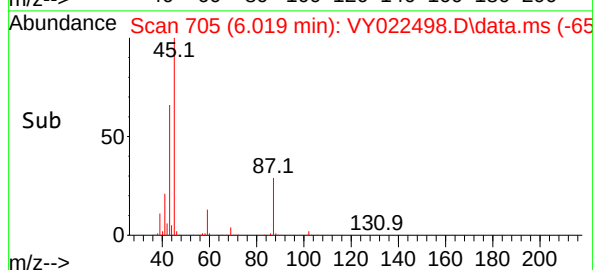
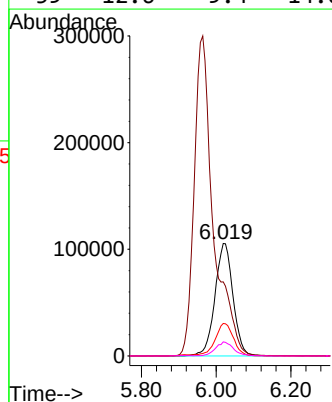
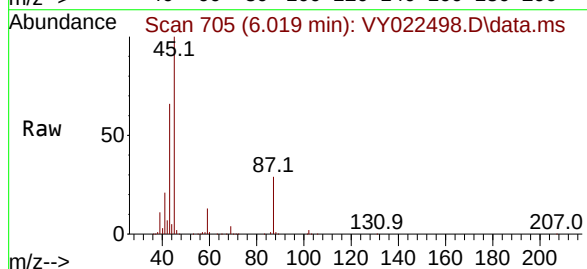
Manual Integrations
APPROVED

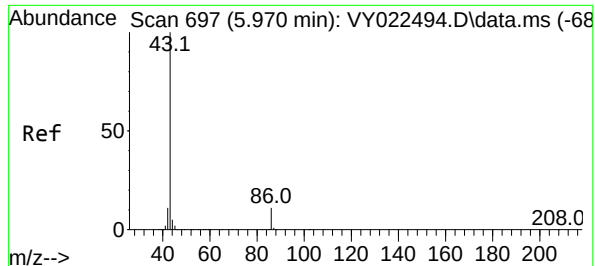
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#22
Diisopropyl ether
Concen: 44.104 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

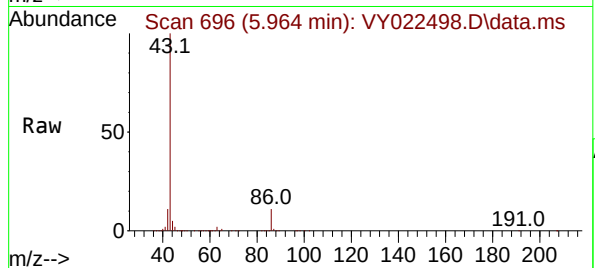
Tgt Ion: 45 Resp: 354328
Ion Ratio Lower Upper
45 100
43 65.4 48.3 72.5
87 28.8 23.0 34.6
59 12.6 9.4 14.0





#23
Vinyl Acetate
Concen: 223.951 ug/l
RT: 5.964 min Scan# 697
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

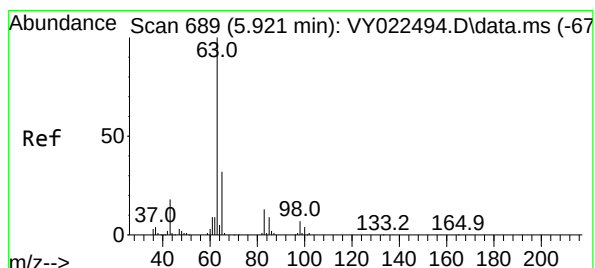
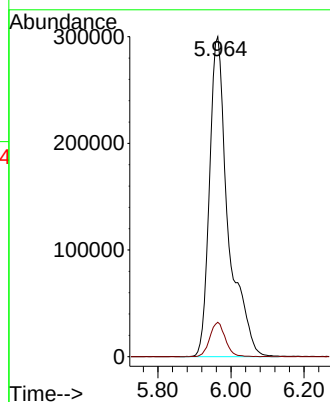
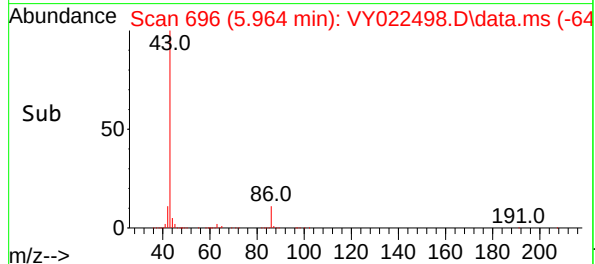
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



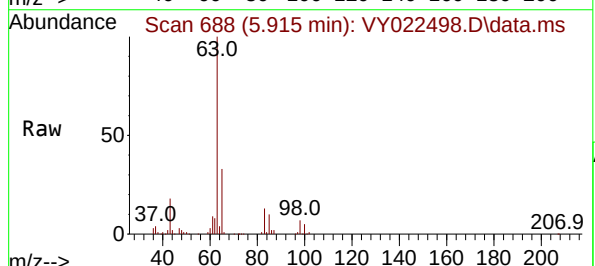
Tgt Ion: 43 Resp: 1064890
Ion Ratio Lower Upper
43 100
86 10.8 8.6 12.8

Manual Integrations
APPROVED

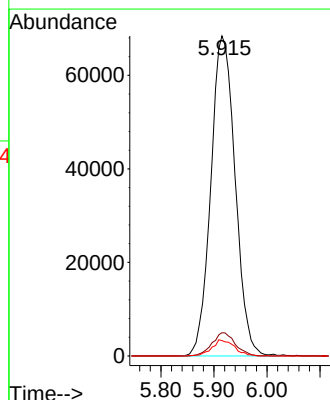
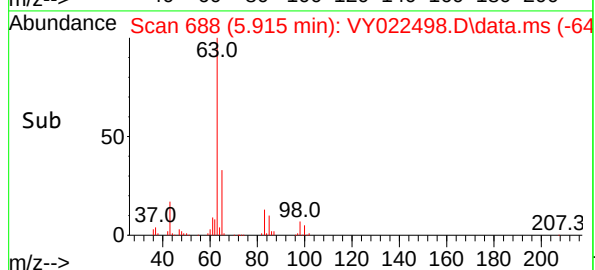
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

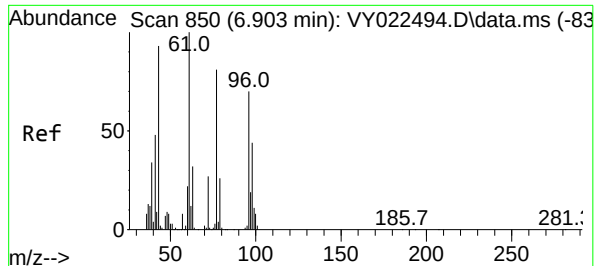


#24
1,1-Dichloroethane
Concen: 46.053 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



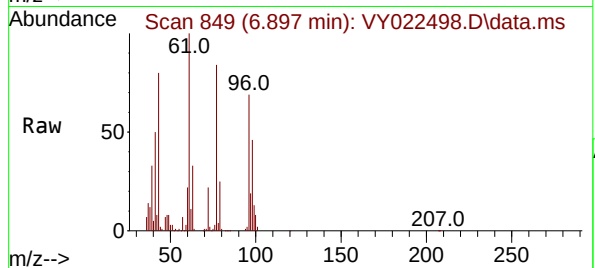
Tgt Ion: 63 Resp: 217965
Ion Ratio Lower Upper
63 100
98 7.3 3.4 10.1
100 4.8 2.1 6.3





#25
2-Butanone
Concen: 220.736 ug/l
RT: 6.897 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

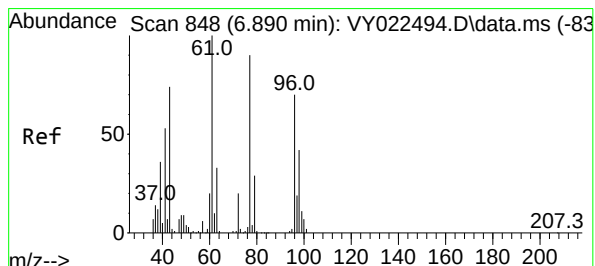
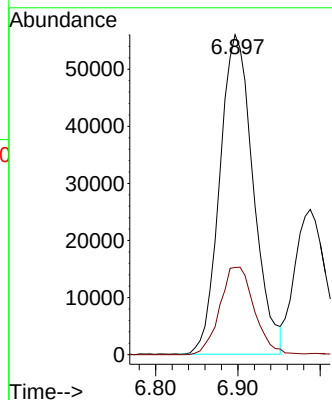
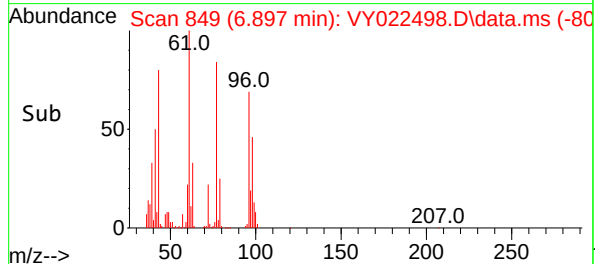
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion: 43 Resp: 15855
Ion Ratio Lower Upper
43 100
72 27.3 22.9 34.3

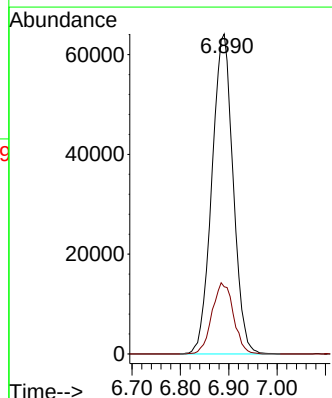
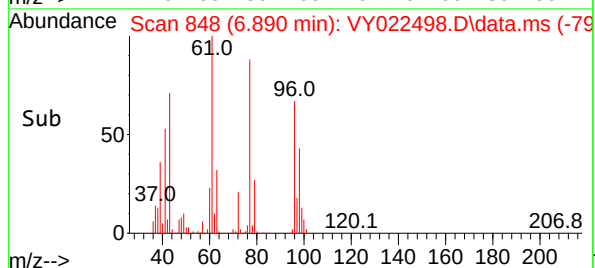
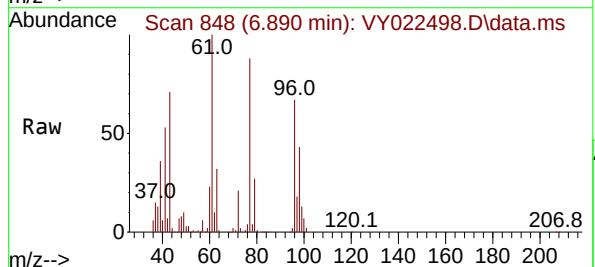
Manual Integrations
APPROVED

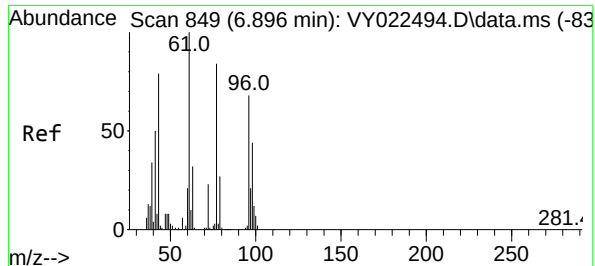
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#26
2,2-Dichloropropane
Concen: 46.639 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 77 Resp: 195035
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 46.024 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

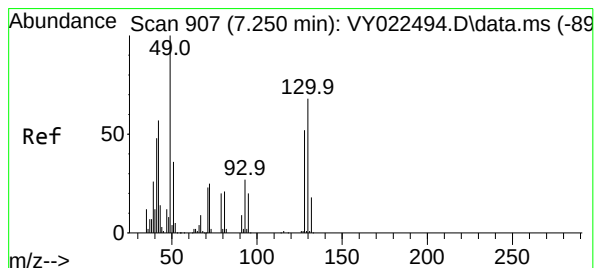
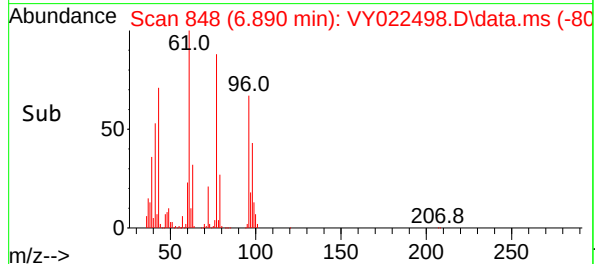
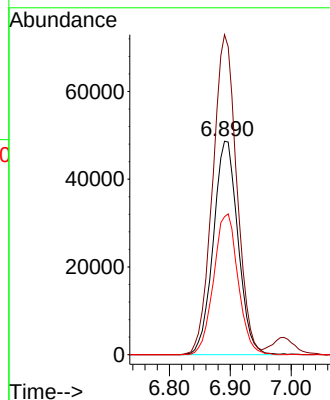
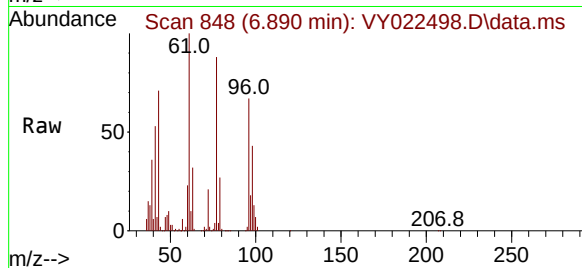
ICVVY060225

Tgt Ion:	96	Resp:	13688
Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	290.0
98	65.3	0.0	128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#28

Bromochloromethane

Concen: 46.547 ug/l

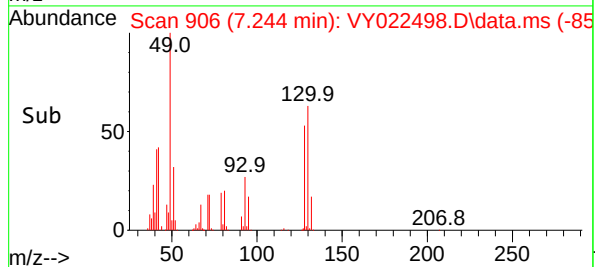
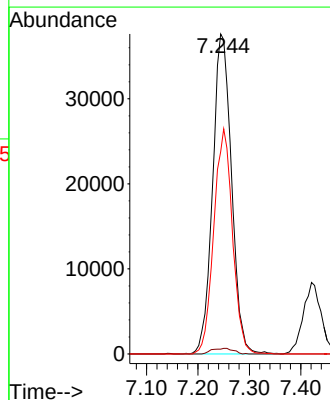
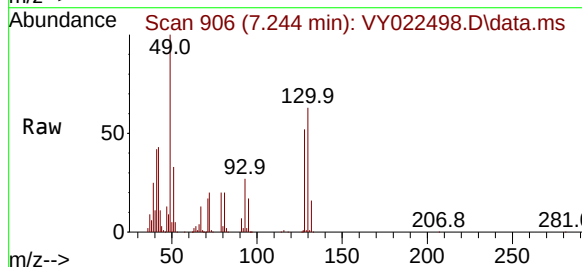
RT: 7.244 min Scan# 906

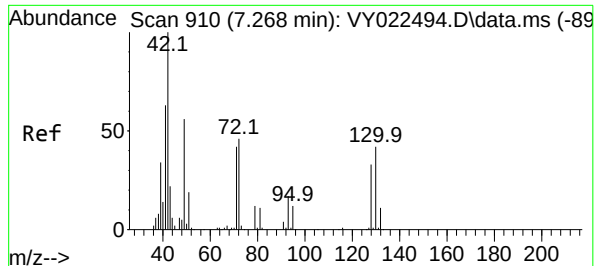
Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Tgt Ion:	49	Resp:	96031
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	69.6	55.7	83.5





#29

Tetrahydrofuran

Concen: 211.767 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

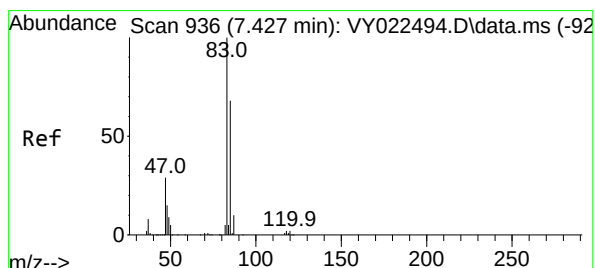
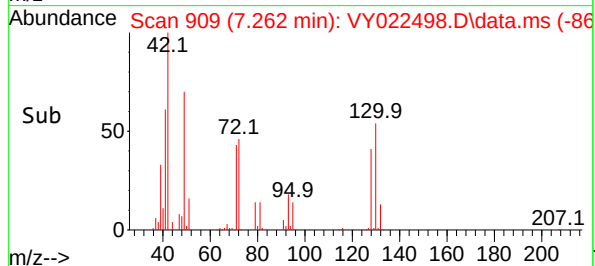
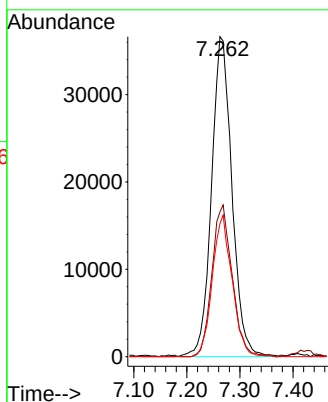
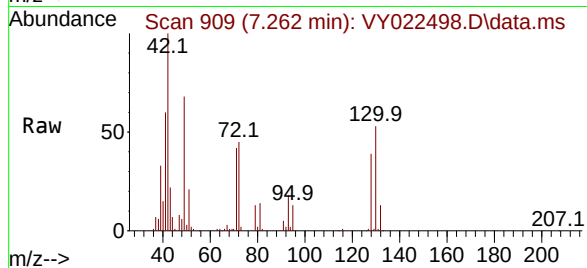
ICVY060225

Tgt Ion:	42	Resp:	98109
Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.2
71	42.7	34.2	51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#30

Chloroform

Concen: 45.919 ug/l

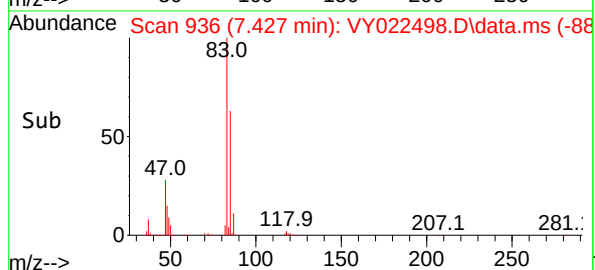
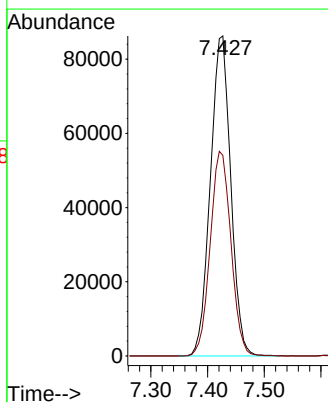
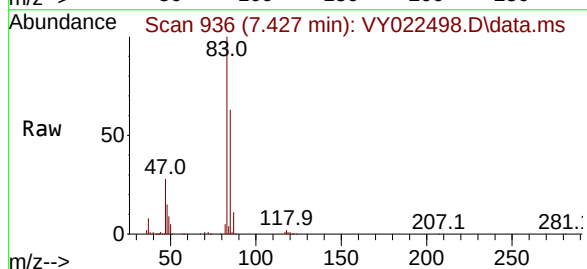
RT: 7.427 min Scan# 936

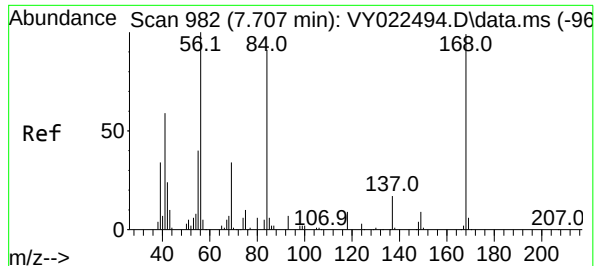
Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Tgt Ion:	83	Resp:	215264
Ion	Ratio	Lower	Upper
83	100		
85	62.7	54.2	81.4





#31

Cyclohexane

Concen: 43.757 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 56 Resp: 206170

Ion Ratio Lower Upper

56 100

69 32.4 27.0 40.6

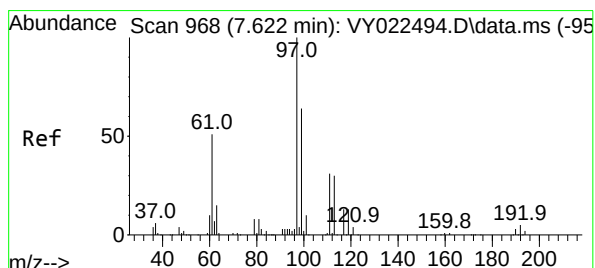
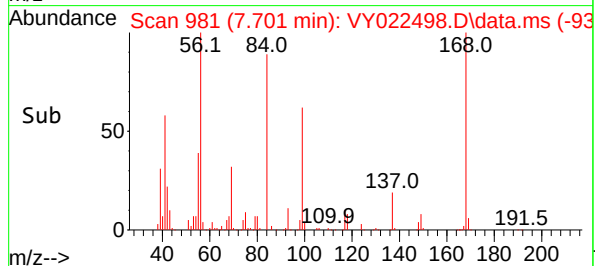
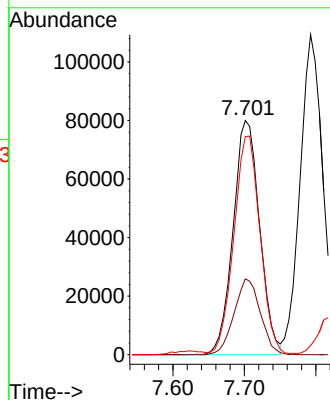
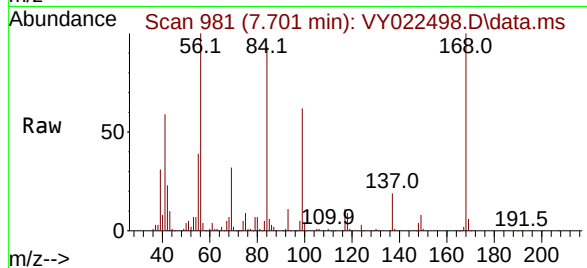
84 91.7 72.6 109.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#32

1,1,1-Trichloroethane

Concen: 46.627 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

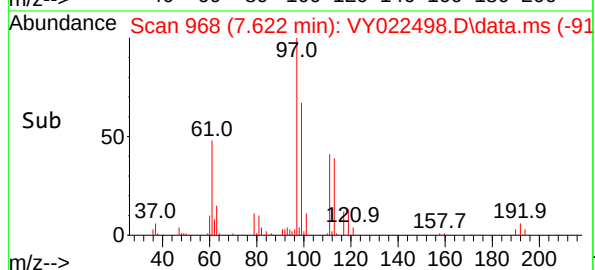
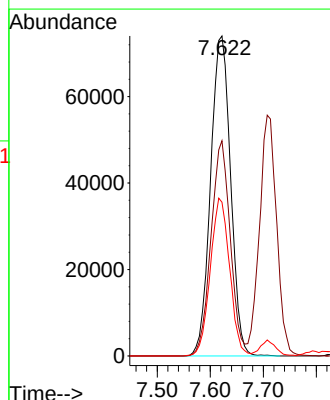
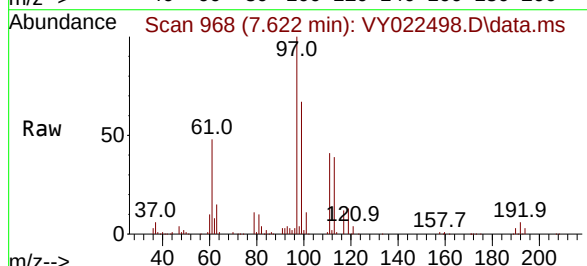
Tgt Ion: 97 Resp: 194039

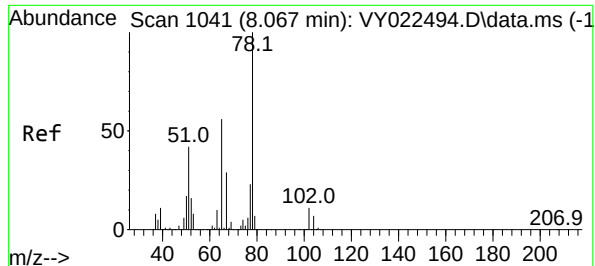
Ion Ratio Lower Upper

97 100

99 64.6 50.9 76.3

61 47.8 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 43.538 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 65 Resp: 106759

Ion Ratio Lower Upper

65 100

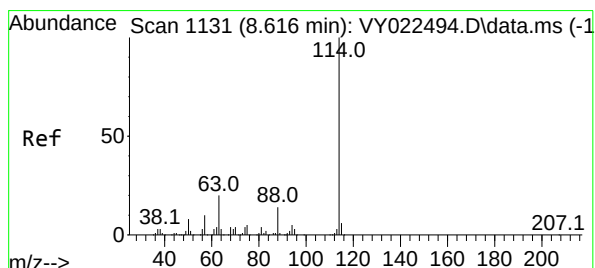
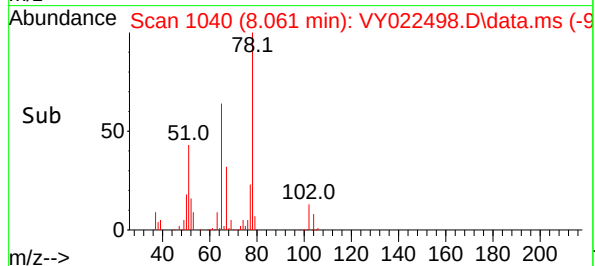
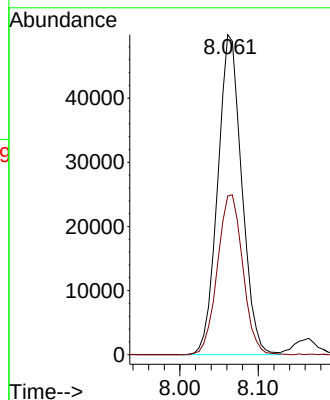
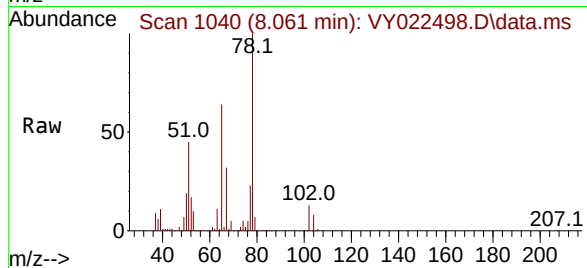
67 52.5 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

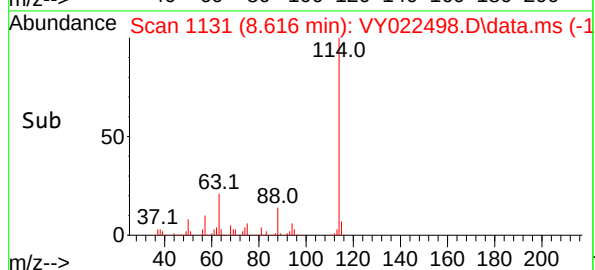
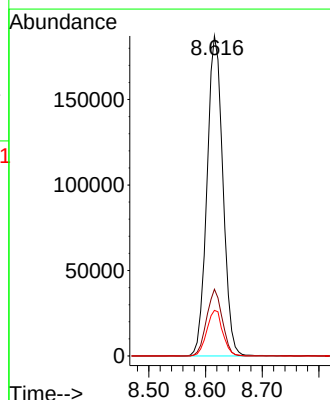
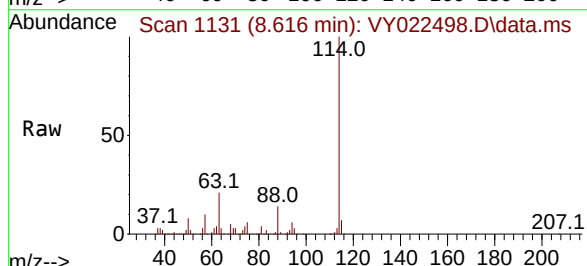
Tgt Ion:114 Resp: 365013

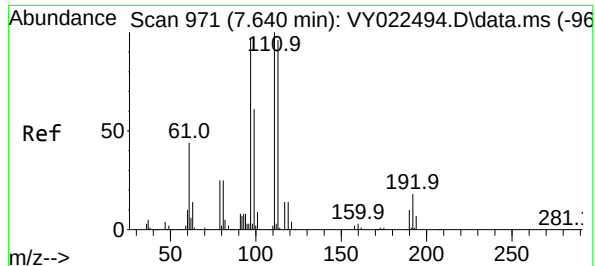
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 14.3 0.0 27.8





#35

Dibromofluoromethane

Concen: 46.676 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion:113 Resp: 101692

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

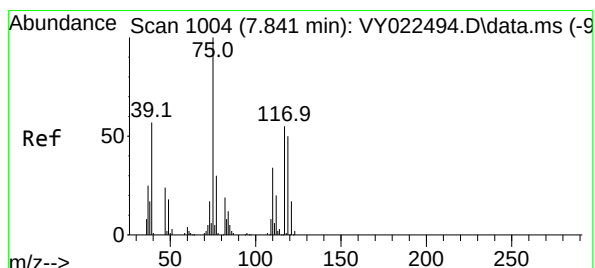
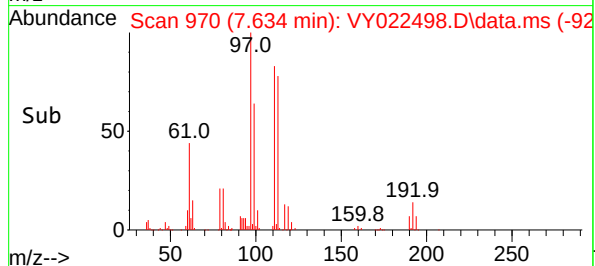
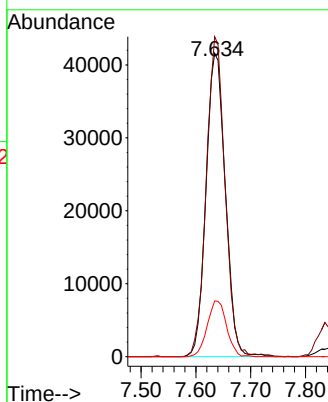
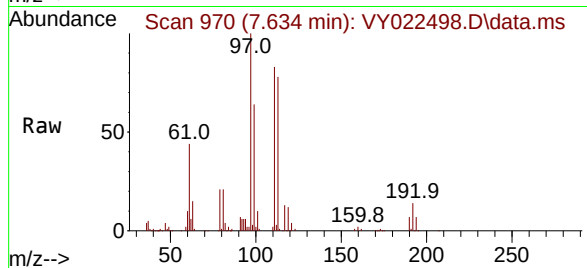
192 18.4 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#36

1,1-Dichloropropene

Concen: 46.978 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

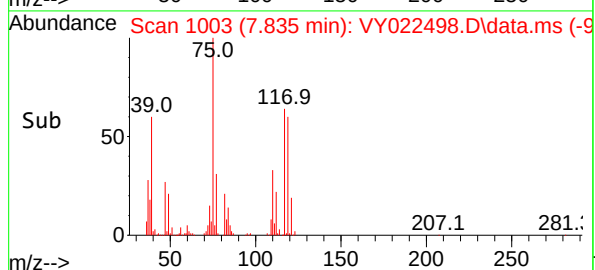
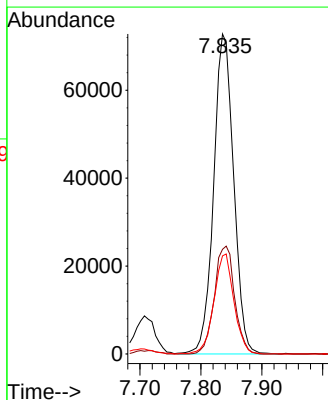
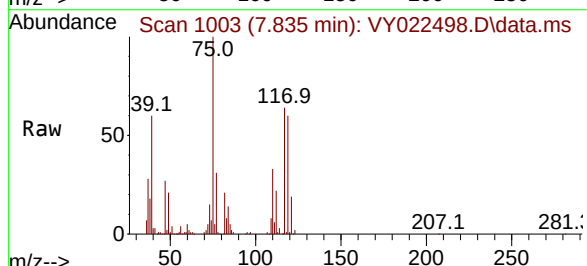
Tgt Ion: 75 Resp: 166116

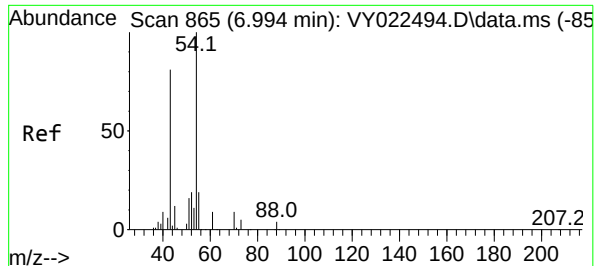
Ion Ratio Lower Upper

75 100

110 34.2 16.9 50.7

77 31.2 24.8 37.2





#37

Ethyl Acetate

Concen: 43.605 ug/l

RT: 6.988 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY060225

Tgt Ion: 43 Resp: 6876

Ion Ratio Lower Upper

43 100

61 15.3 11.5 17.3

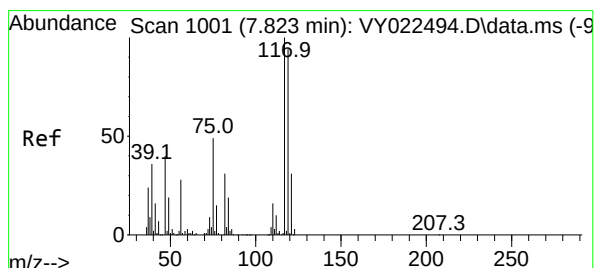
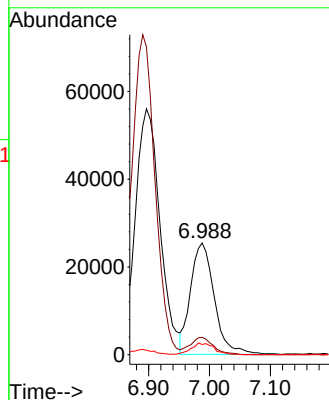
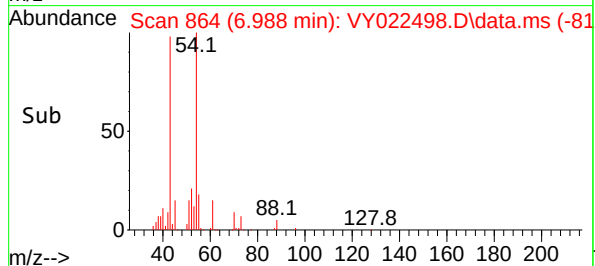
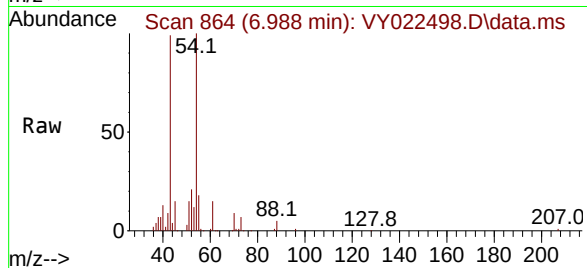
70 10.1 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#38

Carbon Tetrachloride

Concen: 47.747 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

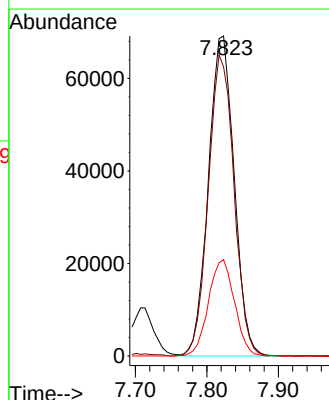
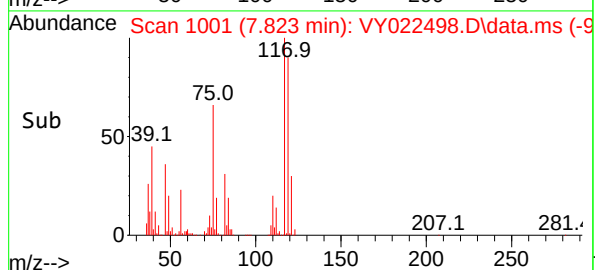
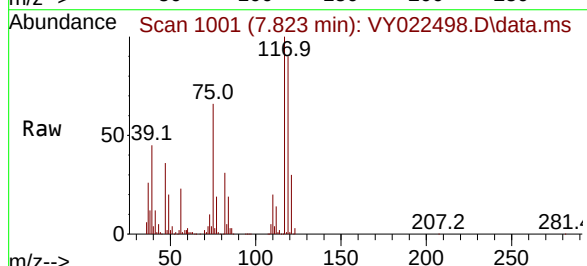
Tgt Ion:117 Resp: 173199

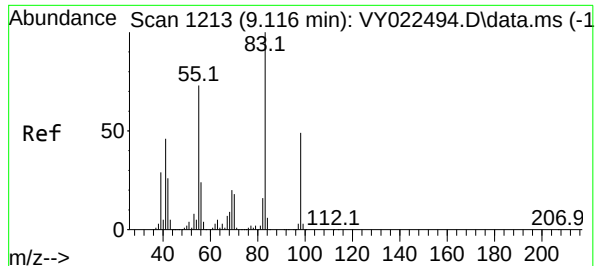
Ion Ratio Lower Upper

117 100

119 90.3 75.0 112.6

121 30.1 25.0 37.4





#39

Methylcyclohexane

Concen: 46.923 ug/l

RT: 9.110 min Scan# 1213

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 83 Resp: 22297

Ion Ratio Lower Upper

83 100

55 73.7 58.1 87.1

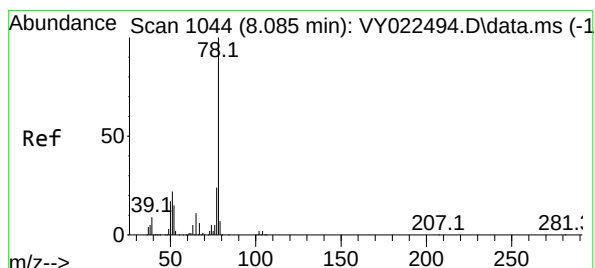
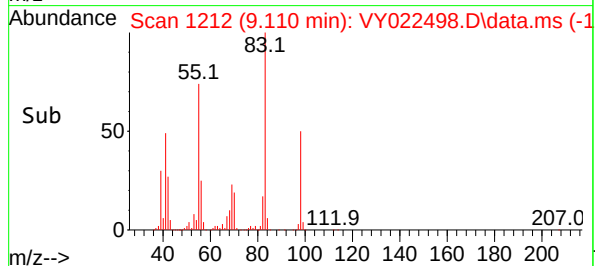
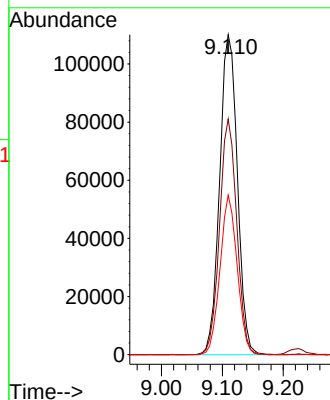
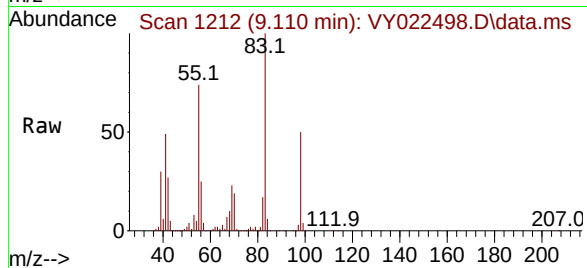
98 49.9 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#40

Benzene

Concen: 47.020 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VY022498.D

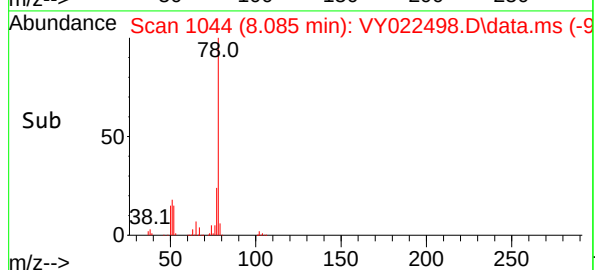
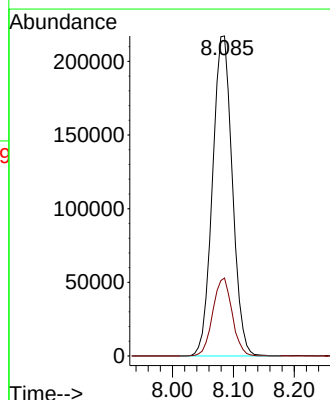
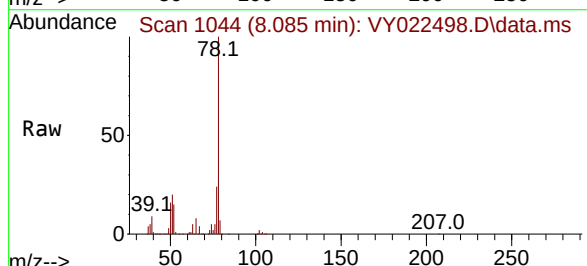
Acq: 02 Jun 2025 14:59

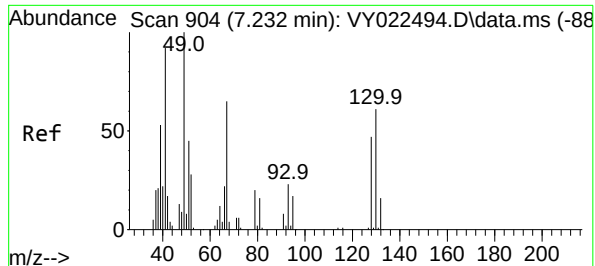
Tgt Ion: 78 Resp: 491078

Ion Ratio Lower Upper

78 100

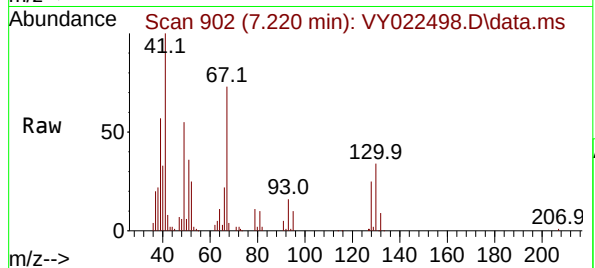
77 24.4 19.3 28.9





#41
Methacrylonitrile
Concen: 43.134 ug/l
RT: 7.220 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

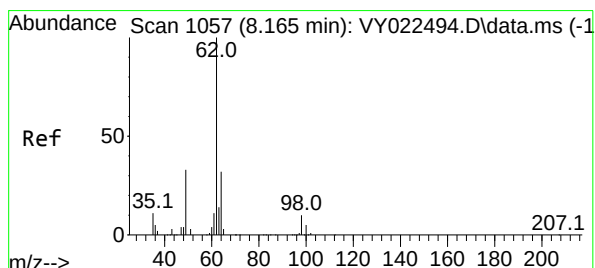
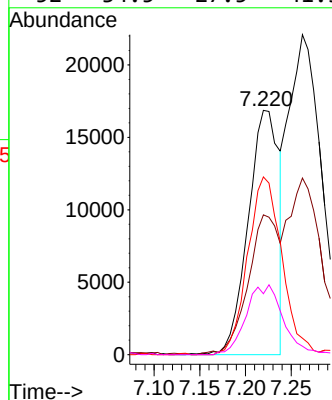
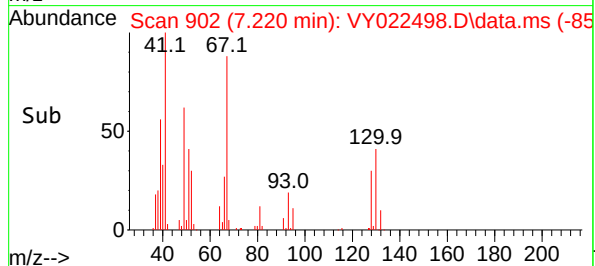
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



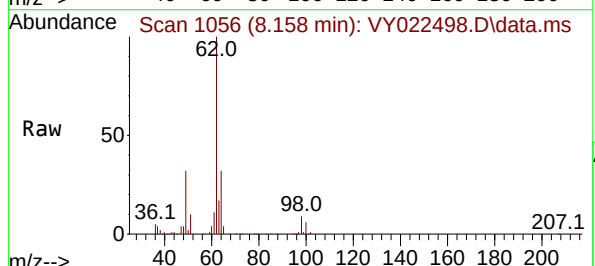
Tgt Ion: 41 Resp: 39730
Ion Ratio Lower Upper
41 100
39 57.3 46.6 69.8
67 80.2 63.3 94.9
52 34.5 27.5 41.3

Manual Integrations
APPROVED

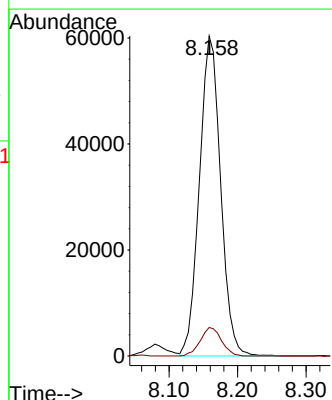
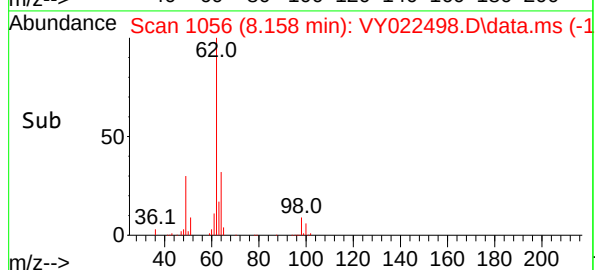
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

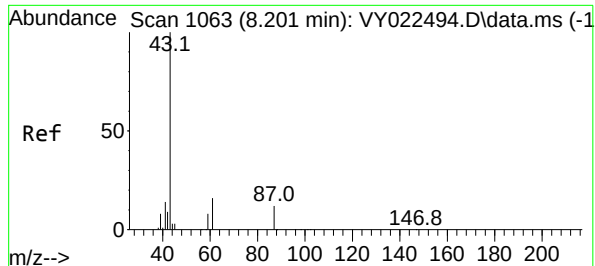


#42
1,2-Dichloroethane
Concen: 45.644 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



Tgt Ion: 62 Resp: 130161
Ion Ratio Lower Upper
62 100
98 8.9 0.0 19.2





#43

Isopropyl Acetate

Concen: 44.122 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 43 Resp: 15026

Ion Ratio Lower Upper

43 100

61 28.6 15.6 23.4

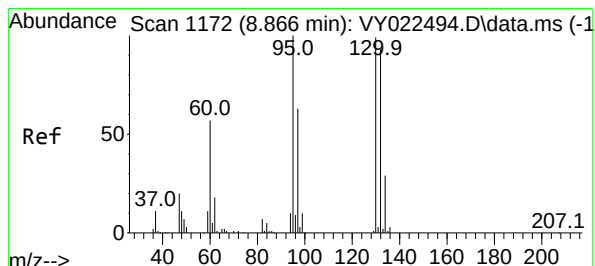
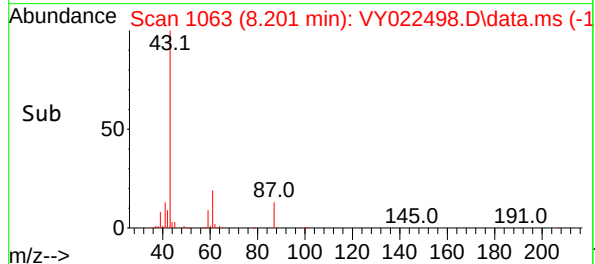
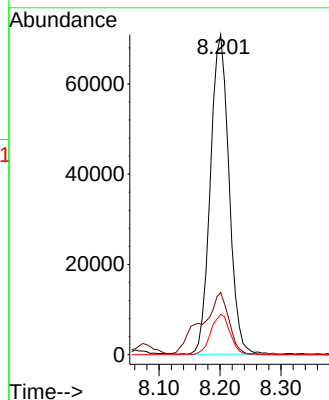
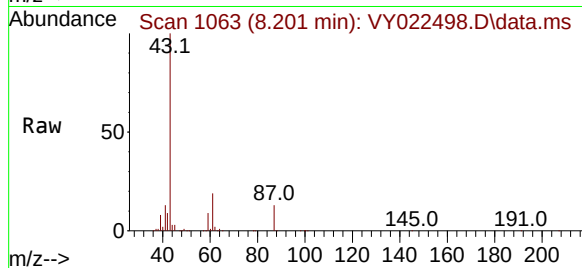
87 13.0 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#44

Trichloroethene

Concen: 46.609 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY022498.D

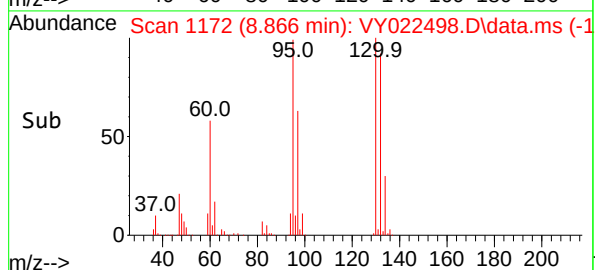
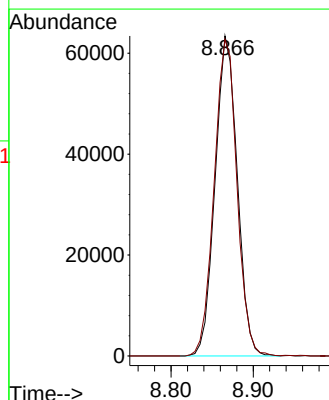
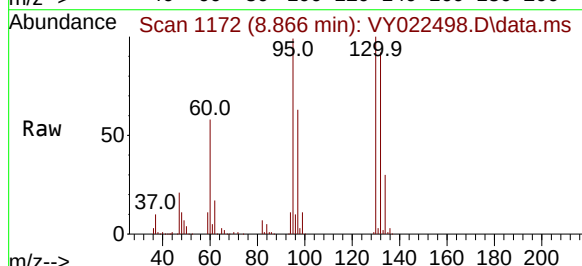
Acq: 02 Jun 2025 14:59

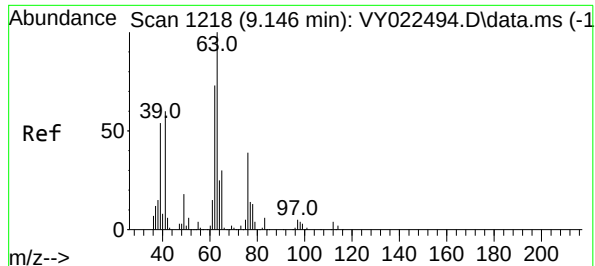
Tgt Ion:130 Resp: 118971

Ion Ratio Lower Upper

130 100

95 98.9 0.0 203.0





#45

1,2-Dichloropropane

Concen: 46.587 ug/l

RT: 9.140 min Scan# 11498

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 63 Resp: 11498

Ion Ratio Lower Upper

63 100

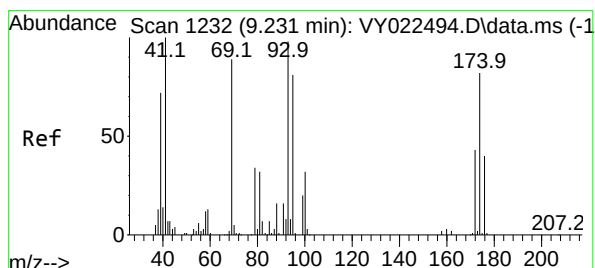
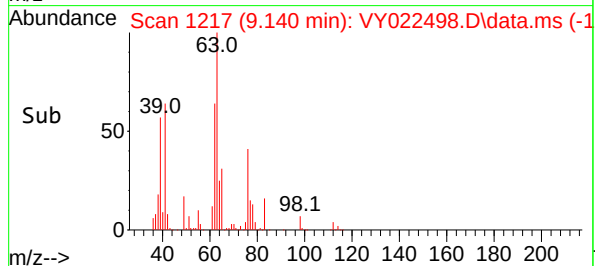
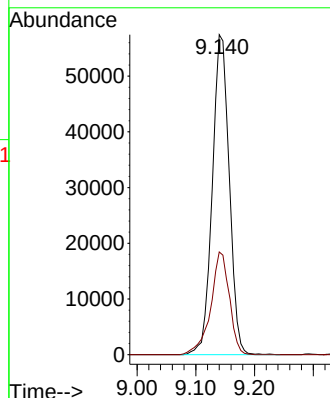
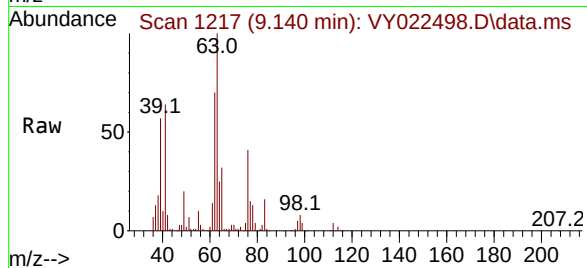
65 32.1 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#46

Dibromomethane

Concen: 46.430 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

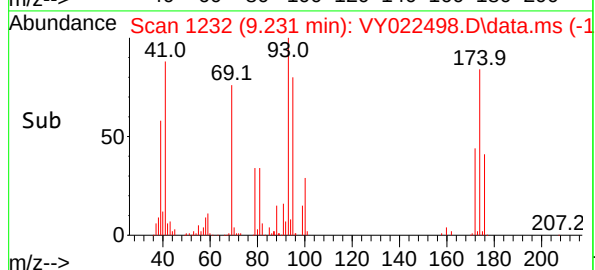
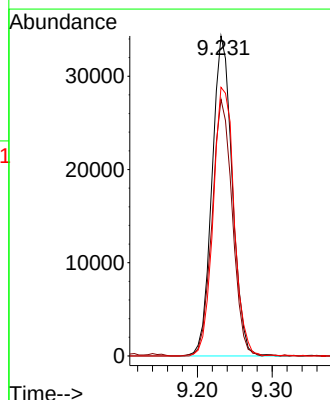
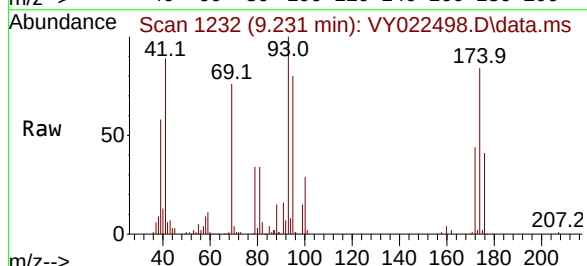
Tgt Ion: 93 Resp: 64473

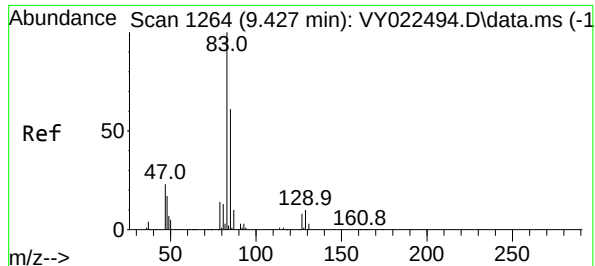
Ion Ratio Lower Upper

93 100

95 80.2 65.6 98.4

174 86.4 70.4 105.6





#47

Bromodichloromethane

Concen: 46.825 ug/l

RT: 9.427 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

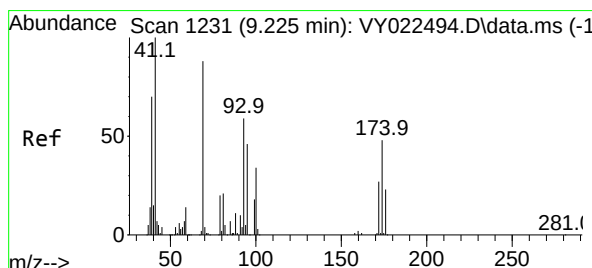
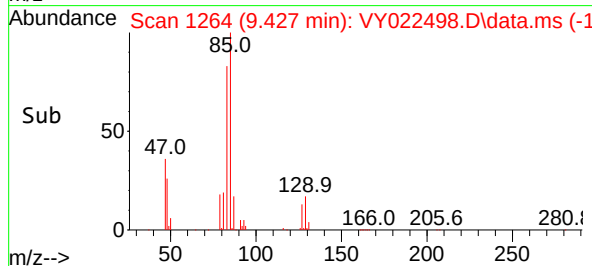
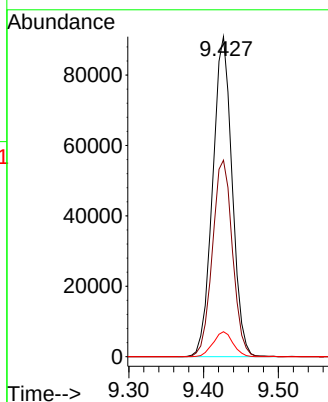
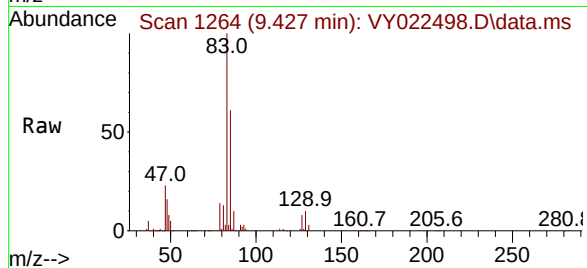
ICVY060225

Tgt Ion:	83	Resp:	16487
Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#48

Methyl methacrylate

Concen: 44.198 ug/l

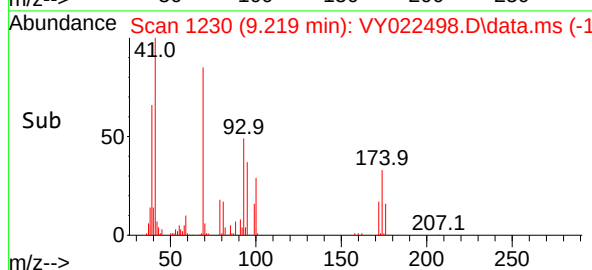
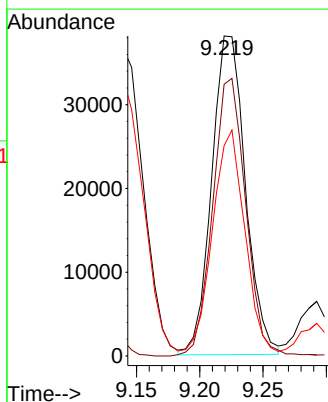
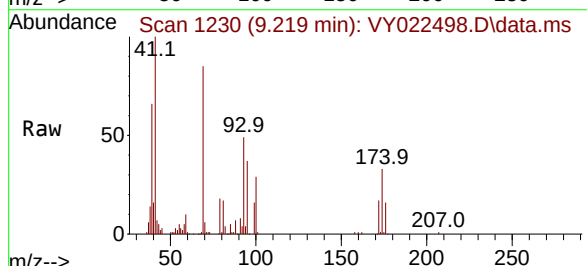
RT: 9.219 min Scan# 1230

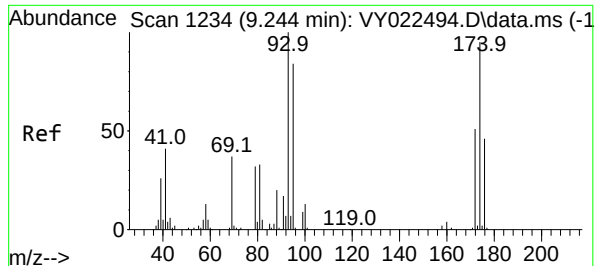
Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Tgt Ion:	41	Resp:	70644
Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.8	101.8
39	65.9	55.0	82.4





#49

1,4-Dioxane

Concen: 816.553 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.012 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 88 Resp: 1343

Ion Ratio Lower Upper

88 100

43 39.1 25.4 38.2

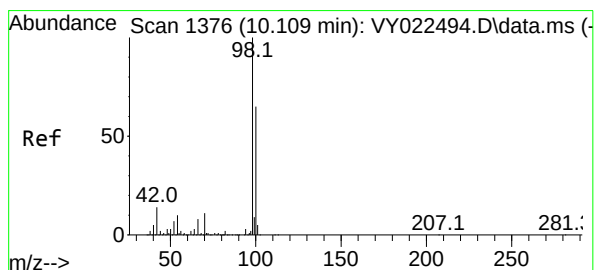
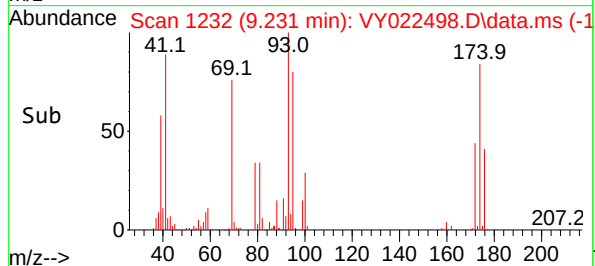
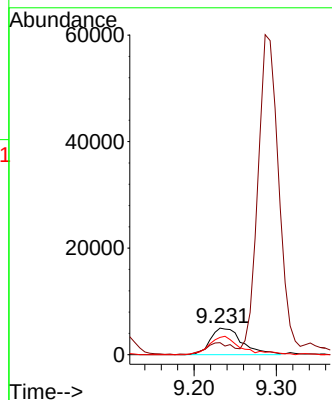
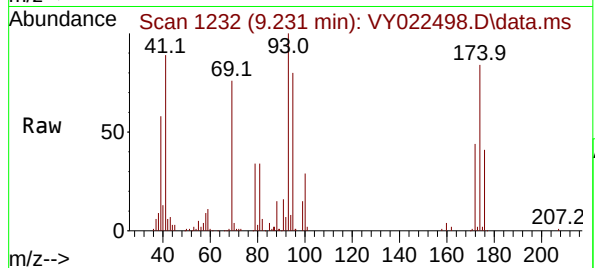
58 67.7 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#50

Toluene-d8

Concen: 46.760 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022498.D

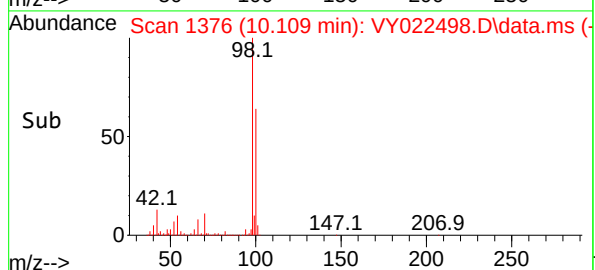
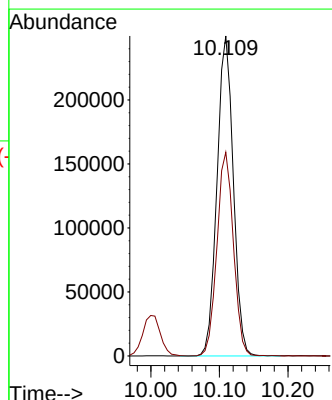
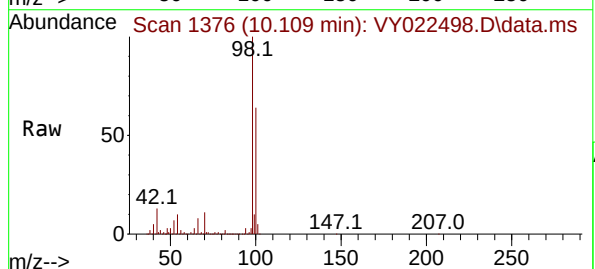
Acq: 02 Jun 2025 14:59

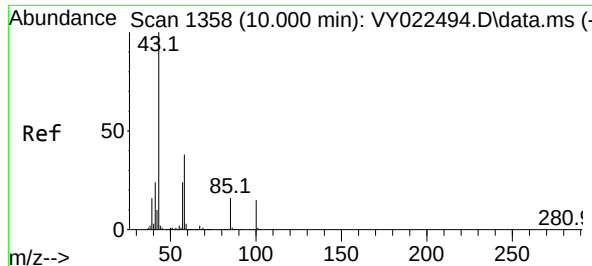
Tgt Ion: 98 Resp: 411640

Ion Ratio Lower Upper

98 100

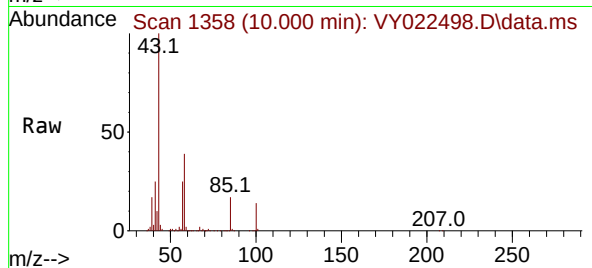
100 64.2 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 219.250 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

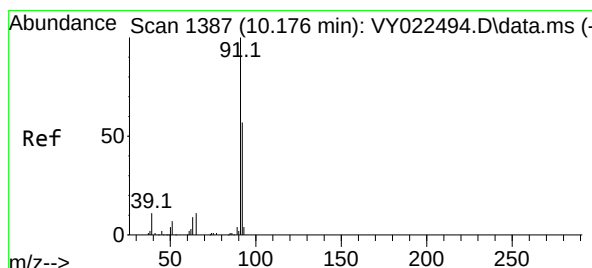
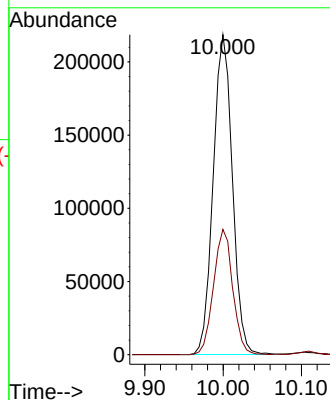
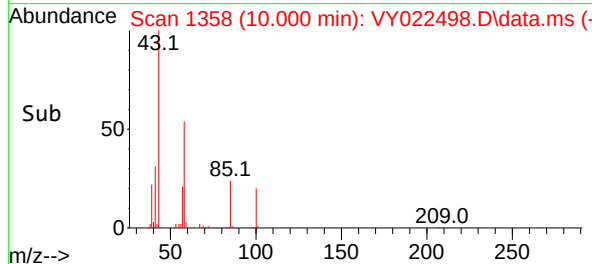
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion: 43 Resp: 372270
Ion Ratio Lower Upper
43 100
58 39.2 30.4 45.6

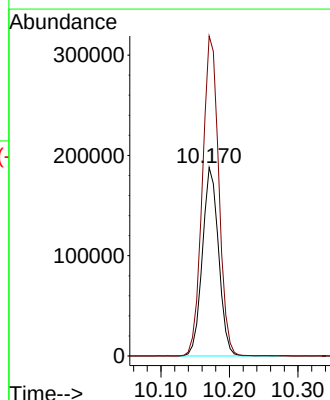
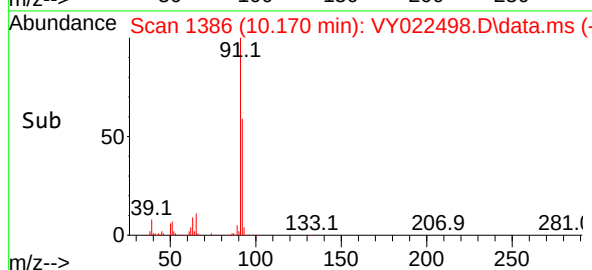
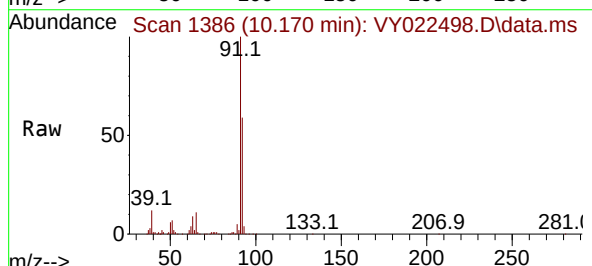
Manual Integrations
APPROVED

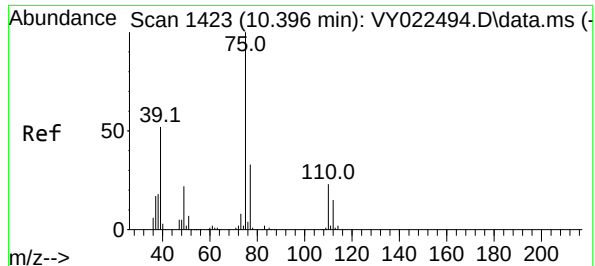
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#52
Toluene
Concen: 47.137 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 92 Resp: 309375
Ion Ratio Lower Upper
92 100
91 171.7 139.0 208.4





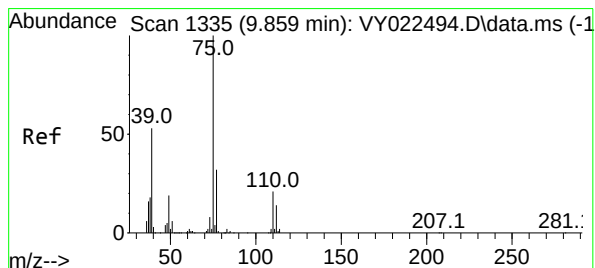
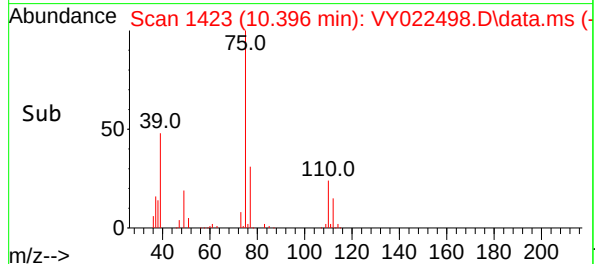
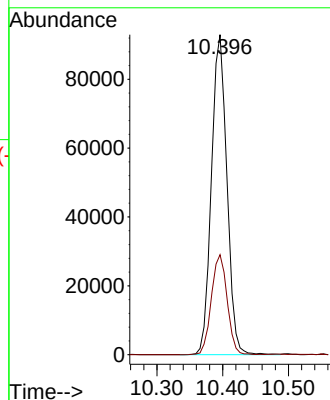
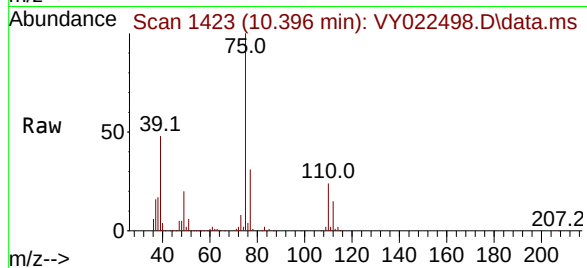
#53
t-1,3-Dichloropropene
Concen: 46.094 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225

Tgt Ion: 75 Resp: 152060
Ion Ratio Lower Upper
75 100
77 31.2 26.5 39.7

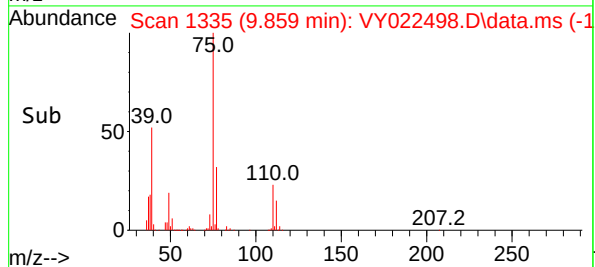
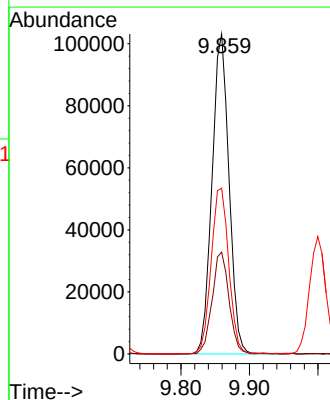
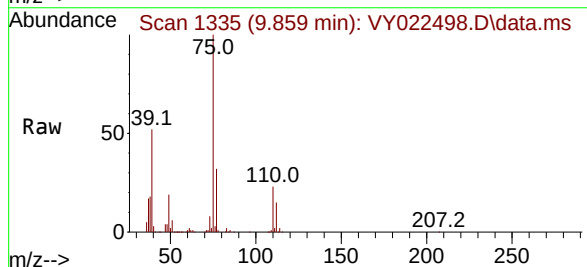
Manual Integrations
APPROVED

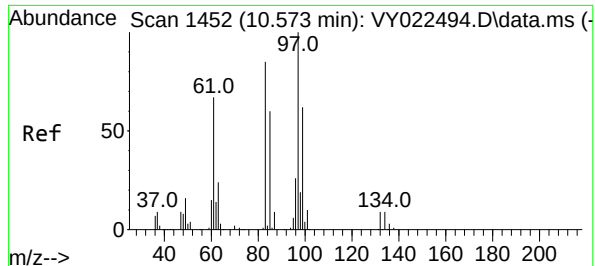
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#54
cis-1,3-Dichloropropene
Concen: 46.206 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

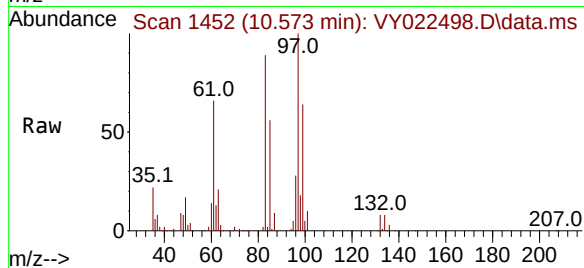
Tgt Ion: 75 Resp: 177445
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9
39 51.6 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 44.953 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

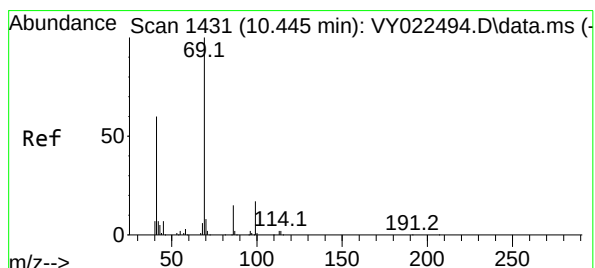
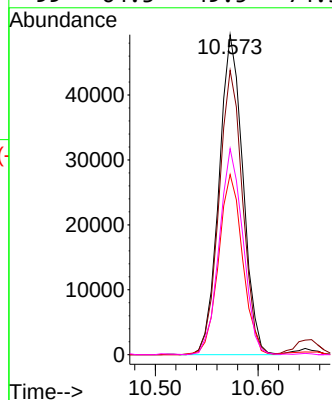
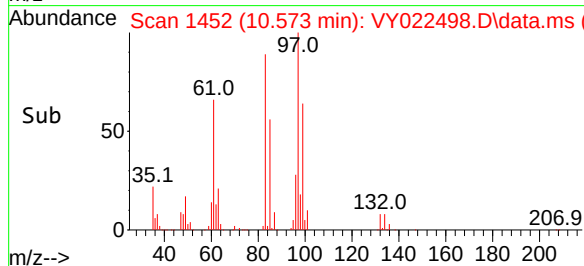
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion: 97 Resp: 79590
Ion Ratio Lower Upper
97 100
83 88.8 68.1 102.1
85 56.3 48.2 72.2
99 64.3 49.5 74.3

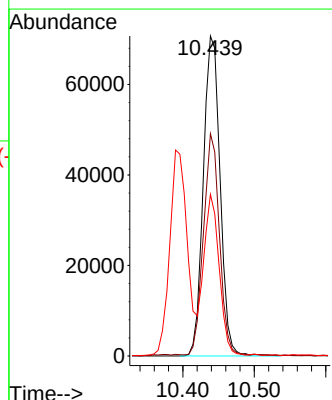
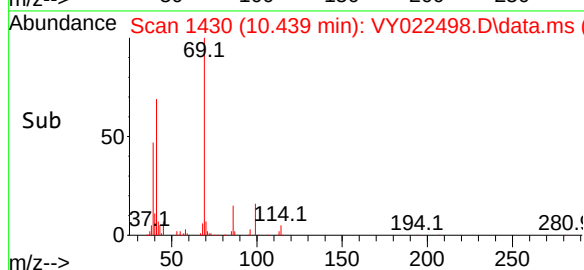
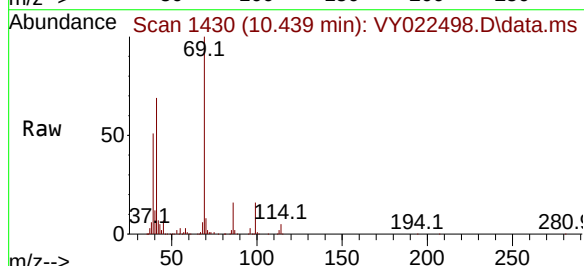
Manual Integrations
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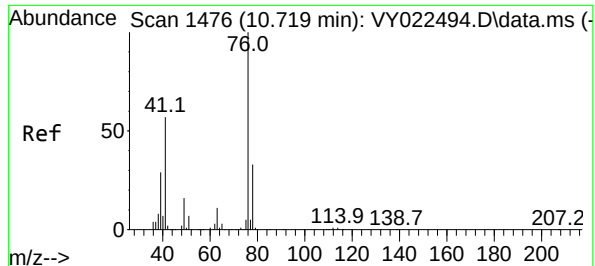
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#56
Ethyl methacrylate
Concen: 45.029 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 69 Resp: 115237
Ion Ratio Lower Upper
69 100
41 65.8 52.2 78.2
39 45.6 36.7 55.1





#57

1,3-Dichloropropane

Concen: 45.696 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 76 Resp: 14340

Ion Ratio Lower Upper

76 100

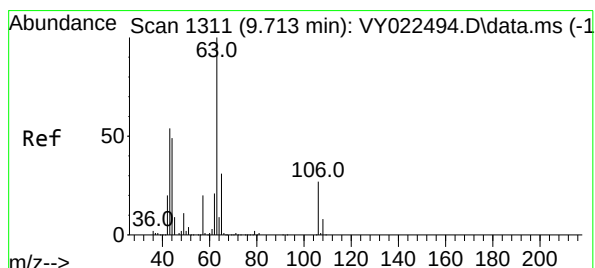
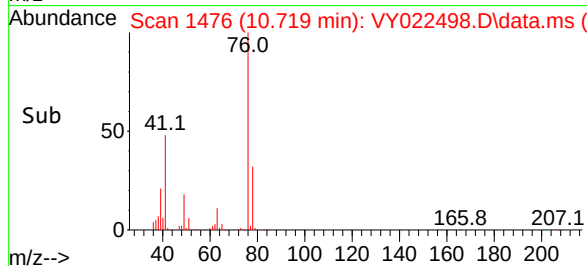
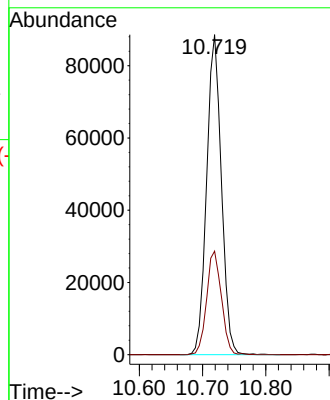
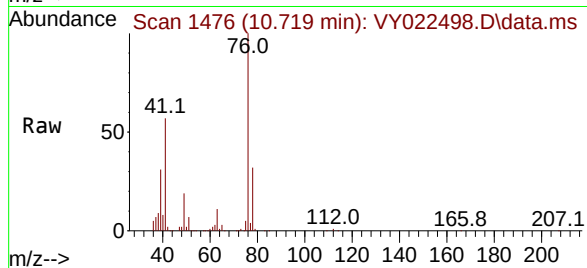
78 32.5 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 243.746 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY022498.D

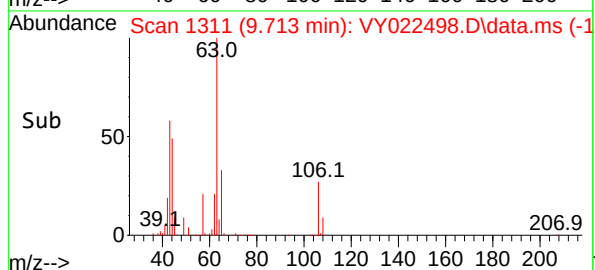
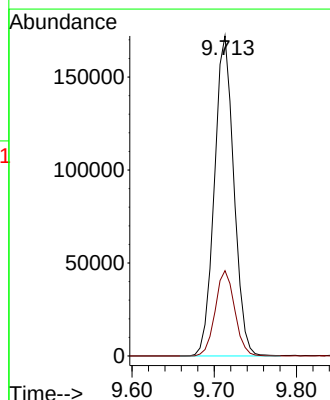
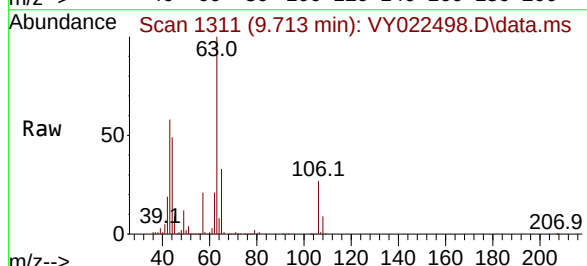
Acq: 02 Jun 2025 14:59

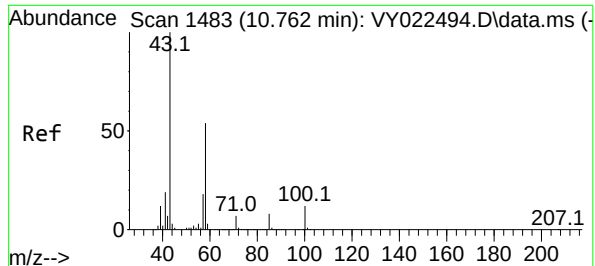
Tgt Ion: 63 Resp: 283213

Ion Ratio Lower Upper

63 100

106 26.7 21.6 32.4





#59

2-Hexanone

Concen: 220.088 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 43 Resp: 249920

Ion Ratio Lower Upper

43 100

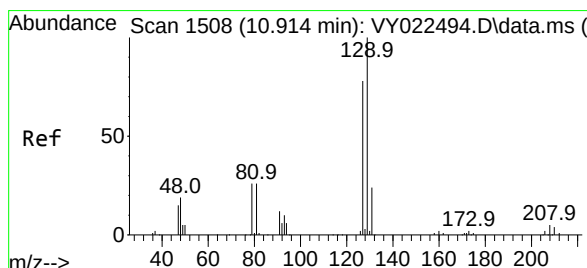
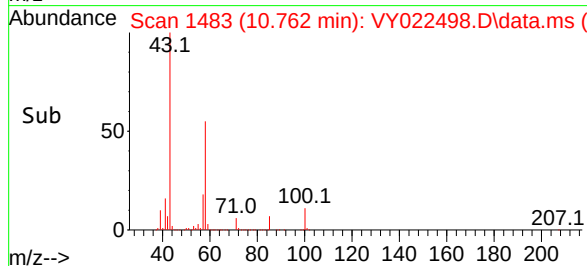
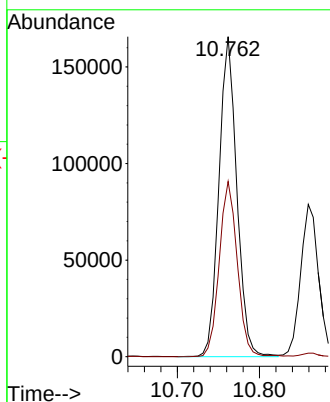
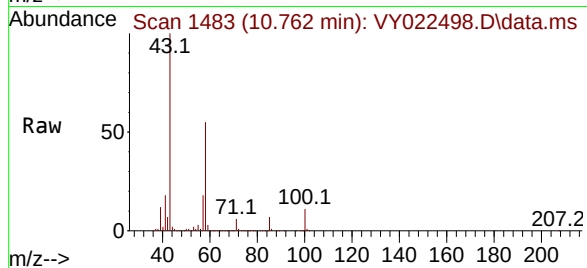
58 55.5 27.3 81.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#60

Dibromochloromethane

Concen: 45.114 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.000 min

Lab File: VY022498.D

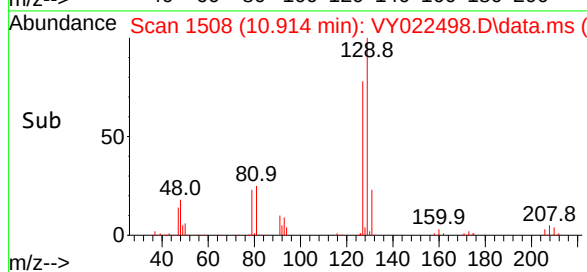
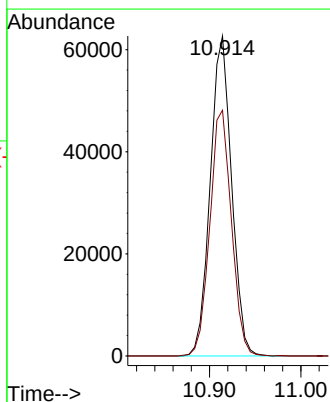
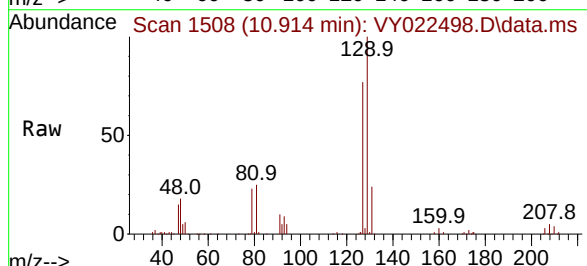
Acq: 02 Jun 2025 14:59

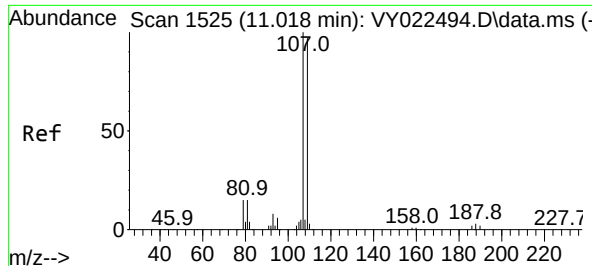
Tgt Ion:129 Resp: 101515

Ion Ratio Lower Upper

129 100

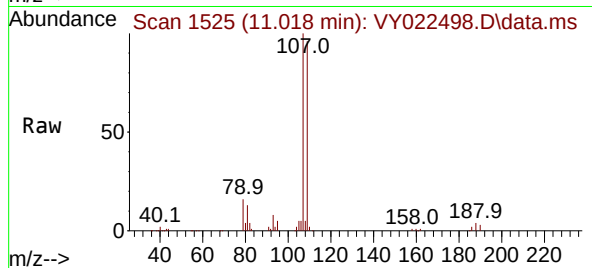
127 77.7 39.1 117.2





#61
1,2-Dibromoethane
Concen: 45.960 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

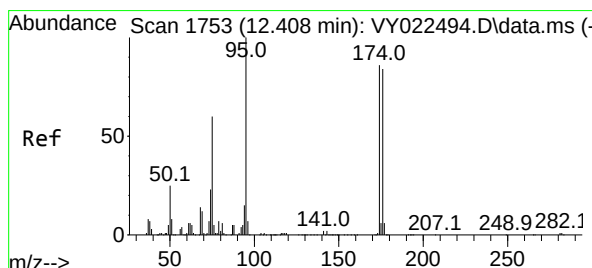
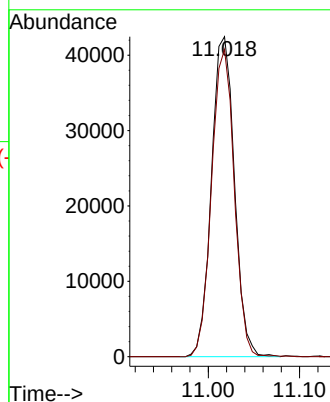
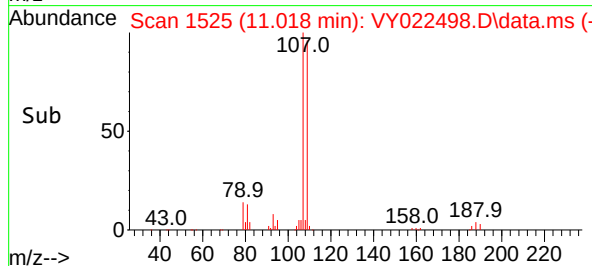
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion:107 Resp: 7417
Ion Ratio Lower Upper
107 100
109 94.5 77.7 116.5

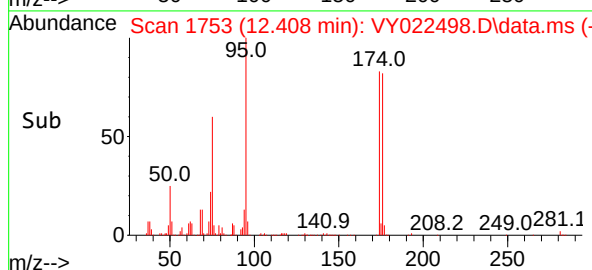
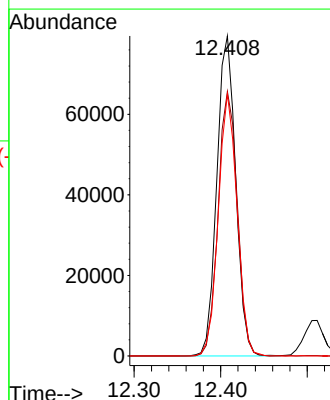
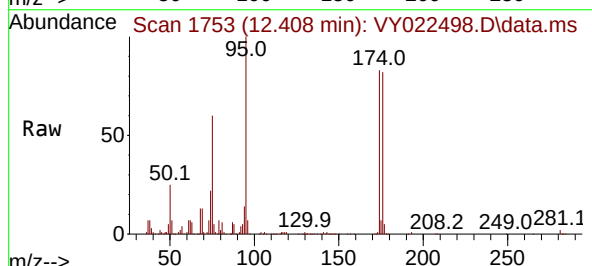
Manual Integrations
APPROVED

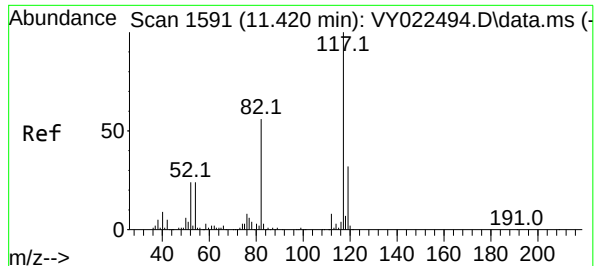
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#62
4-Bromofluorobenzene
Concen: 45.847 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

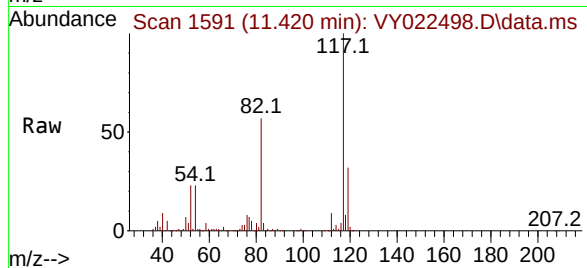
Tgt Ion: 95 Resp: 120253
Ion Ratio Lower Upper
95 100
174 84.2 0.0 170.0
176 81.5 0.0 166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

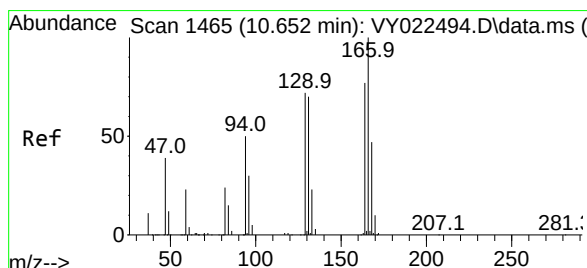
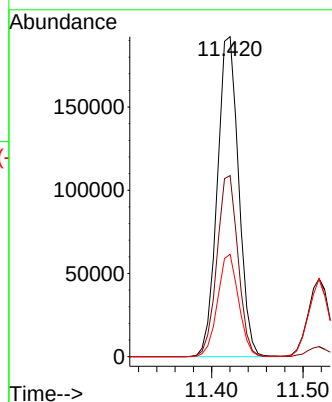
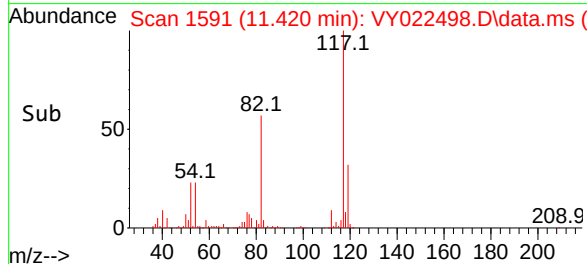
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



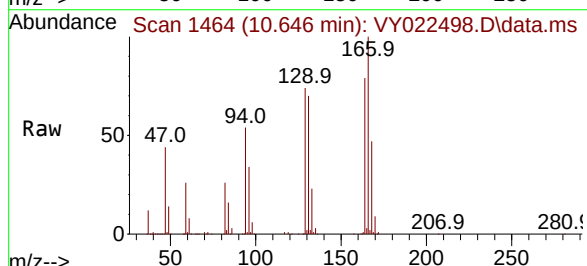
Tgt Ion:117 Resp: 31226
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 32.0 25.4 38.0

Manual Integrations
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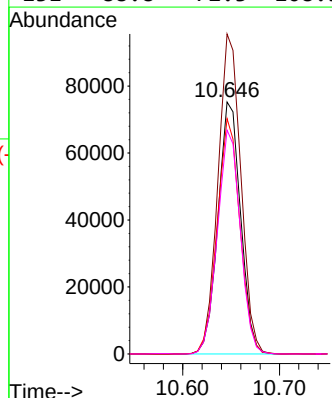
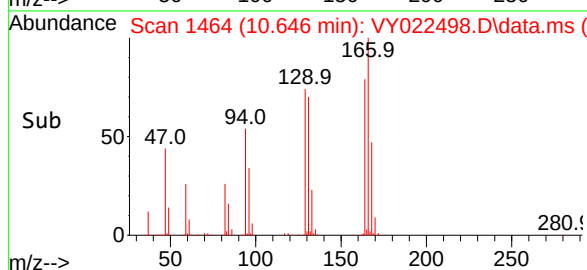
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

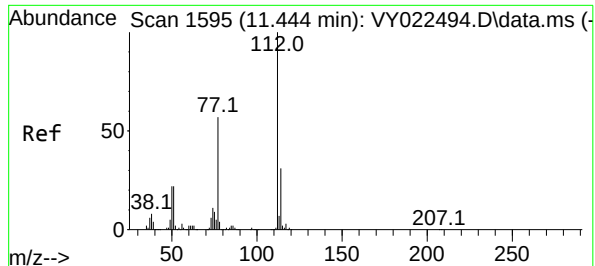


#64
Tetrachloroethene
Concen: 45.398 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



Tgt Ion:164 Resp: 121944
Ion Ratio Lower Upper
164 100
166 127.0 104.0 156.0
129 93.4 74.5 111.7
131 88.8 72.3 108.5





#65

Chlorobenzene

Concen: 45.953 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY060225

Tgt Ion:112 Resp: 31753

Ion Ratio Lower Upper

112 100

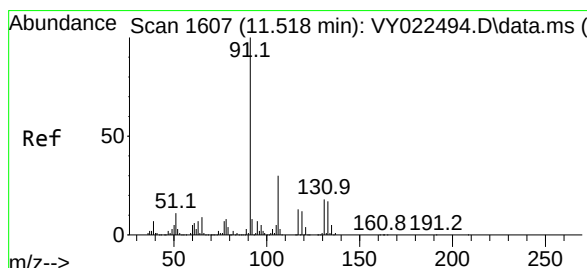
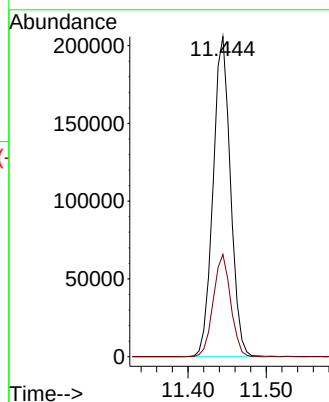
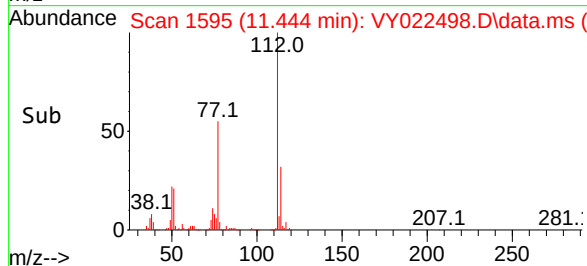
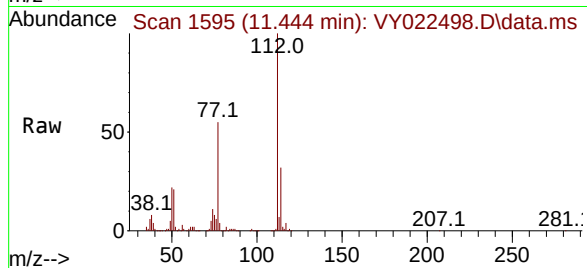
114 32.0 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 45.464 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

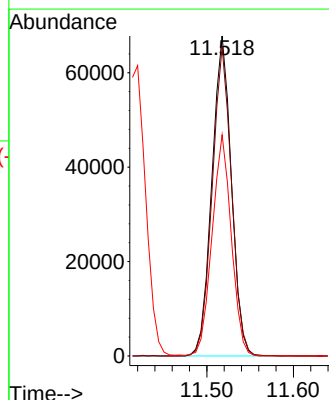
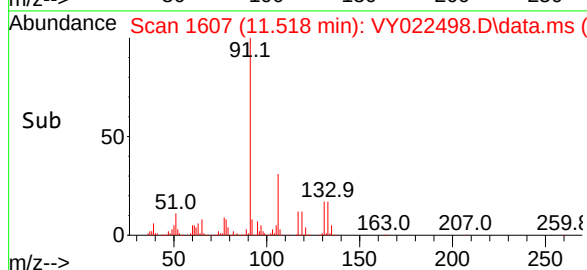
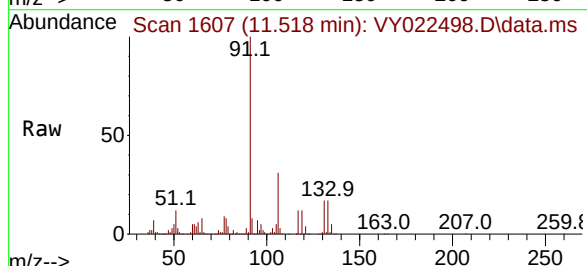
Tgt Ion:131 Resp: 105830

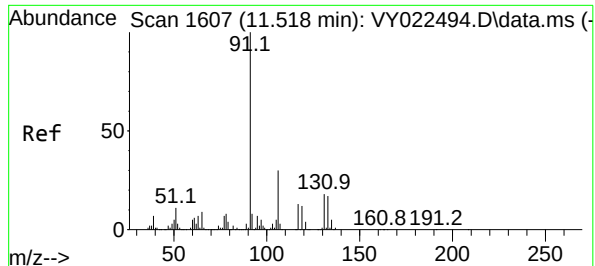
Ion Ratio Lower Upper

131 100

133 95.8 47.3 141.8

119 68.3 33.1 99.3





#67

Ethyl Benzene

Concen: 47.248 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion: 91 Resp: 605560

Ion Ratio Lower Upper

91 100

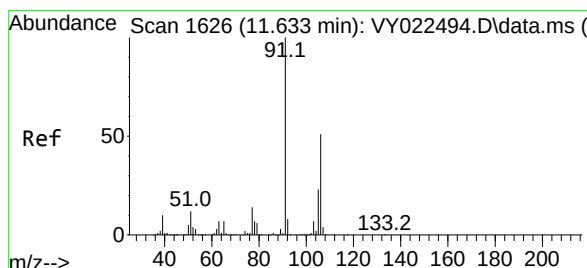
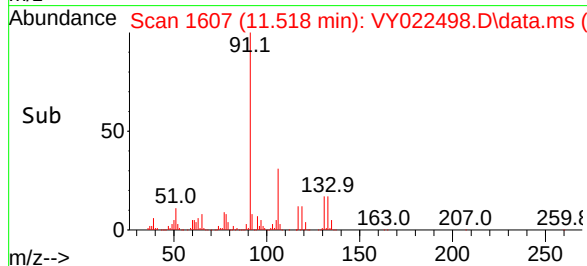
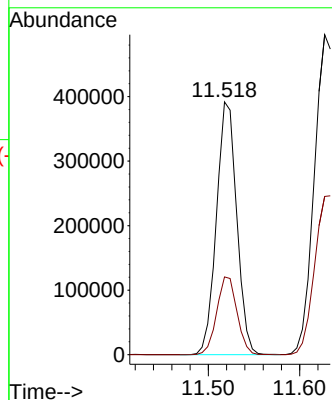
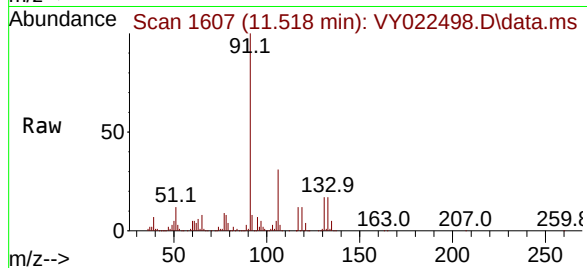
106 30.8 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#68

m/p-Xylenes

Concen: 93.473 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.000 min

Lab File: VY022498.D

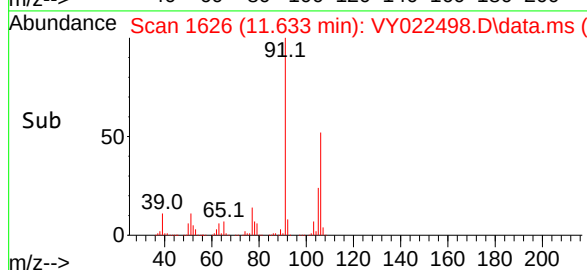
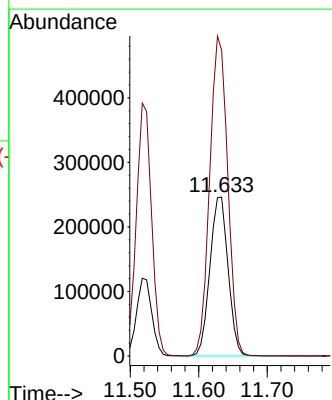
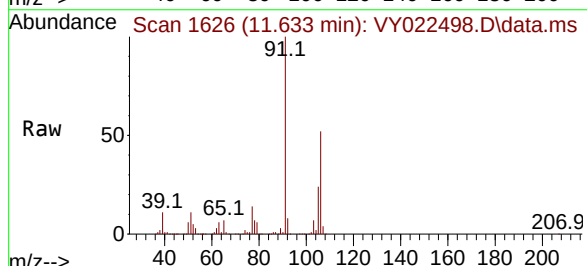
Acq: 02 Jun 2025 14:59

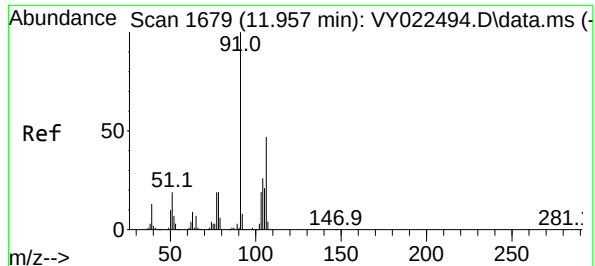
Tgt Ion:106 Resp: 454148

Ion Ratio Lower Upper

106 100

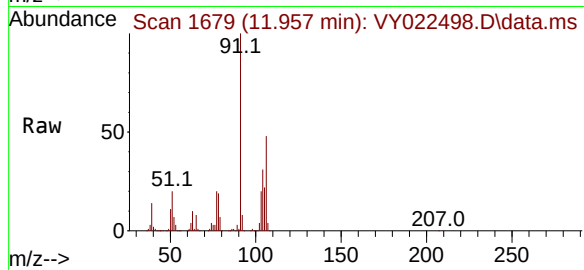
91 199.5 159.4 239.0





#69
o-Xylene
Concen: 45.959 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

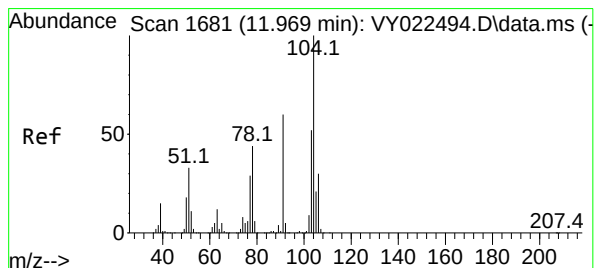
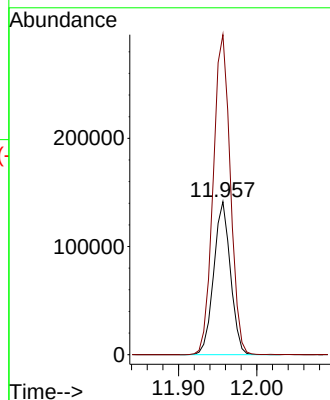
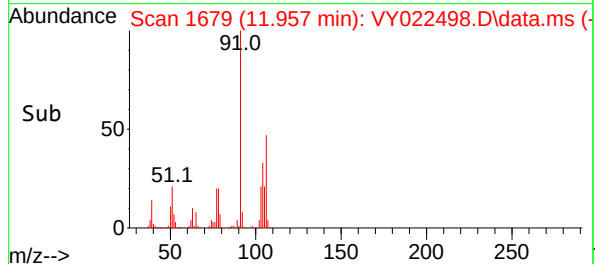
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion:106 Resp: 209354
Ion Ratio Lower Upper
106 100
91 214.9 105.8 317.3

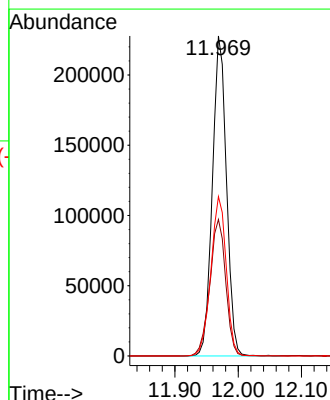
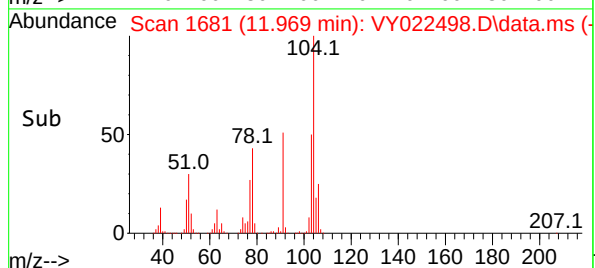
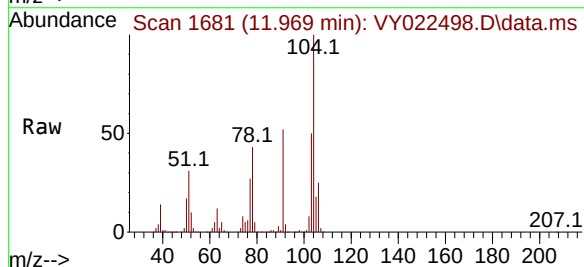
Manual Integrations
APPROVED

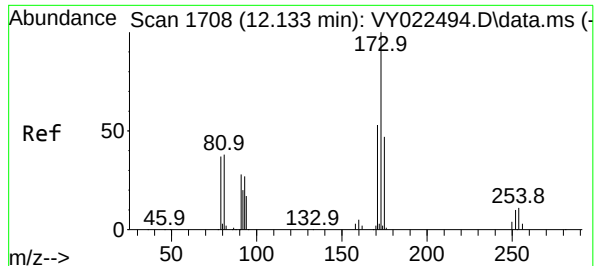
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#70
Styrene
Concen: 46.815 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

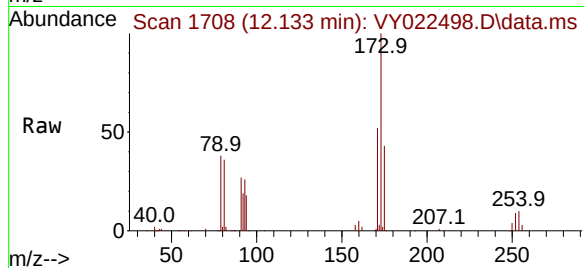
Tgt Ion:104 Resp: 352505
Ion Ratio Lower Upper
104 100
78 48.0 39.5 59.3
103 54.4 44.1 66.1





#71
Bromoform
Concen: 44.852 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

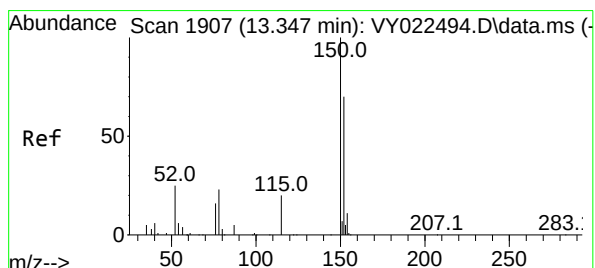
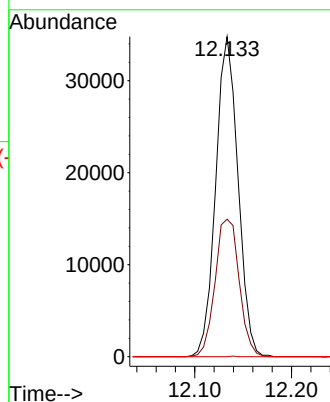
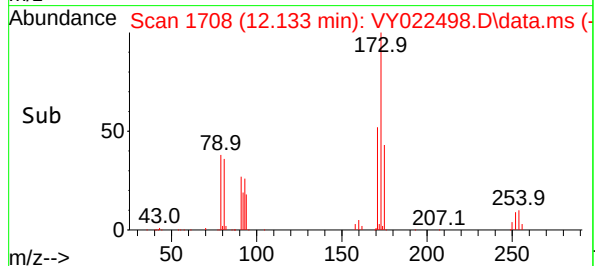
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



Tgt Ion:173 Resp: 5555
Ion Ratio Lower Upper
173 100
175 46.5 23.8 71.5
254 0.0 0.0 0.0

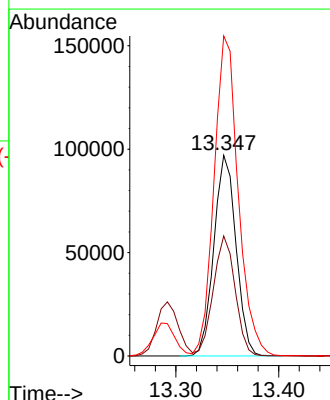
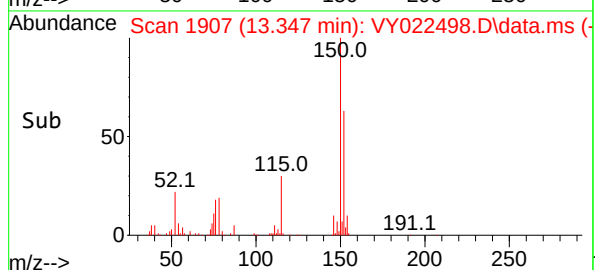
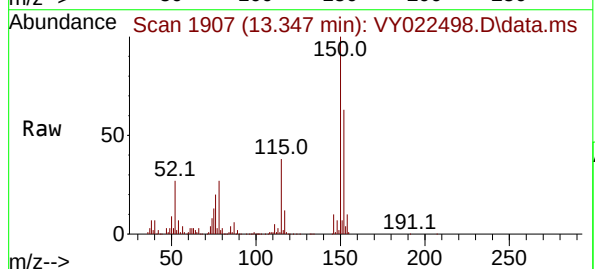
Manual Integrations
APPROVED

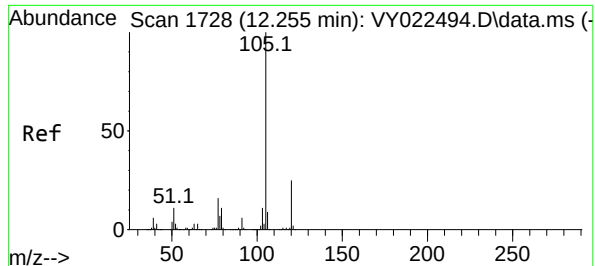
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

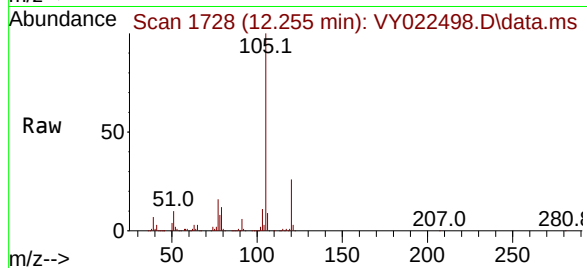
Tgt Ion:152 Resp: 145254
Ion Ratio Lower Upper
152 100
115 59.1 28.9 86.7
150 174.0 0.0 349.6





#73
Isopropylbenzene
Concen: 46.933 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

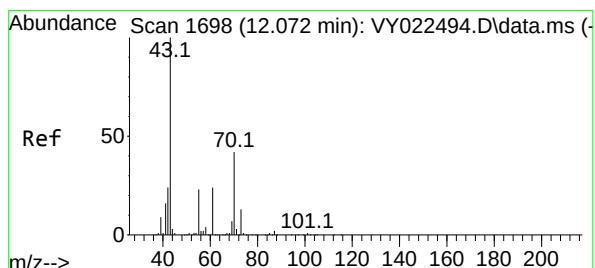
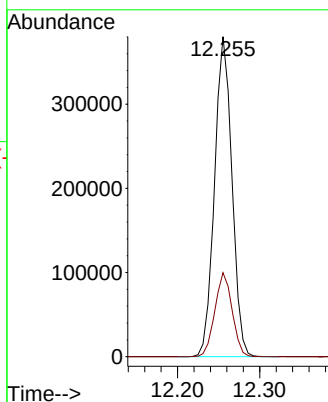
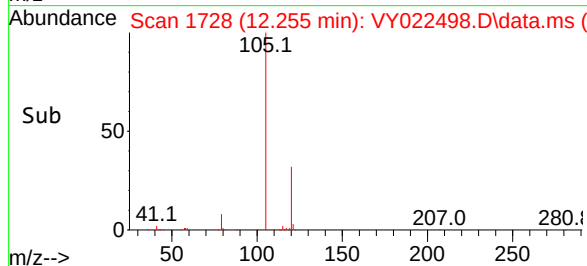
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



Tgt Ion:105 Resp: 559690
Ion Ratio Lower Upper
105 100
120 26.1 13.0 38.9

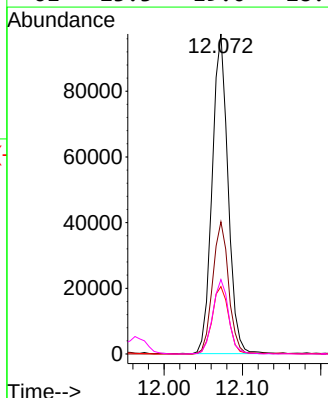
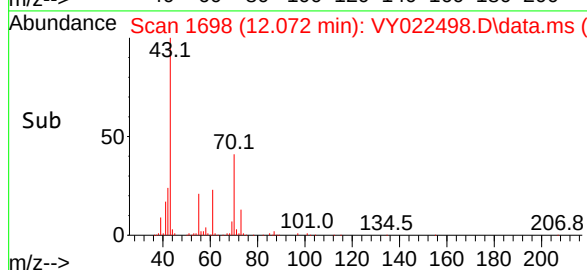
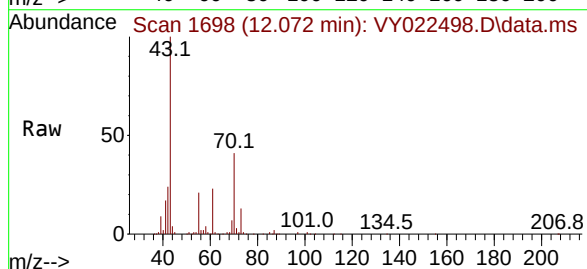
Manual Integrations
APPROVED

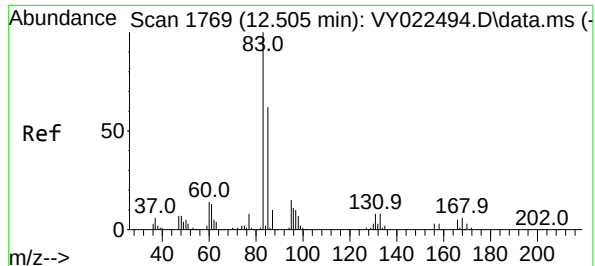
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#74
N-ethyl acetate
Concen: 45.502 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 136915
Ion Ratio Lower Upper
43 100
70 41.8 34.2 51.2
55 22.1 18.2 27.4
61 23.3 19.0 28.6





#75

1,1,2-Tetrachloroethane

Concen: 44.656 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

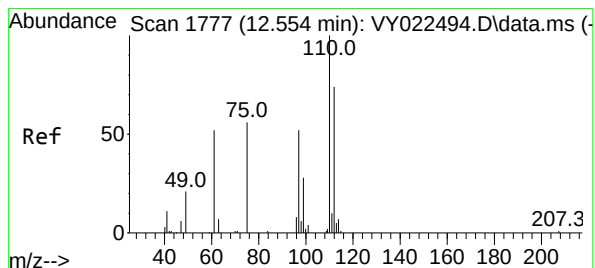
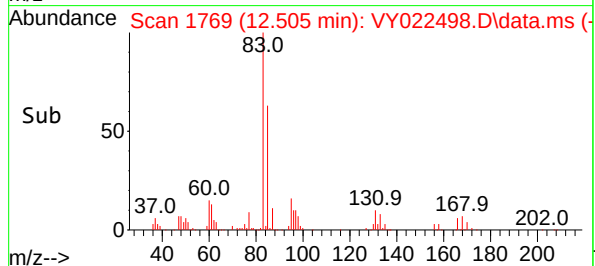
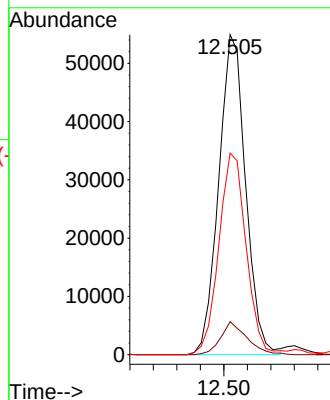
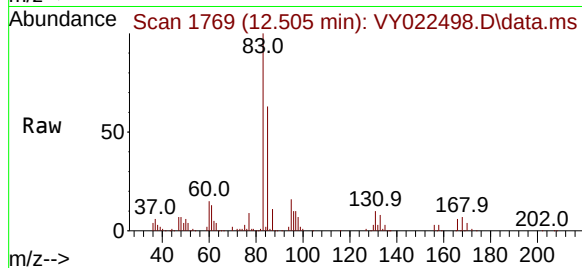
ICVY060225

Tgt Ion:	83	Resp:	8740
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.1	32.6	97.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#76

1,2,3-Trichloropropane

Concen: 41.103 ug/l m

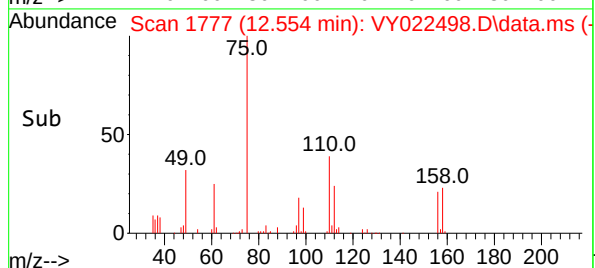
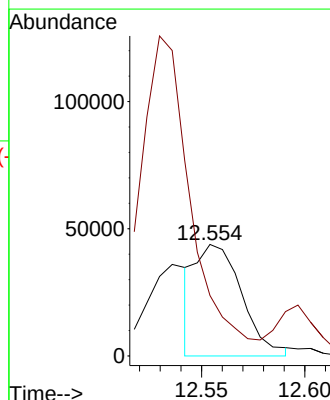
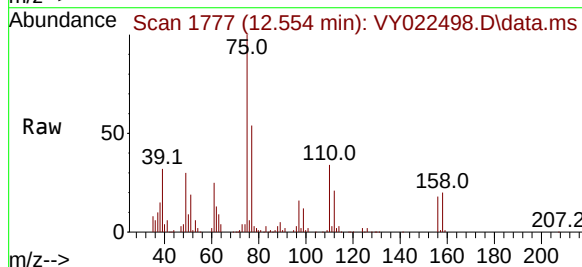
RT: 12.554 min Scan# 1777

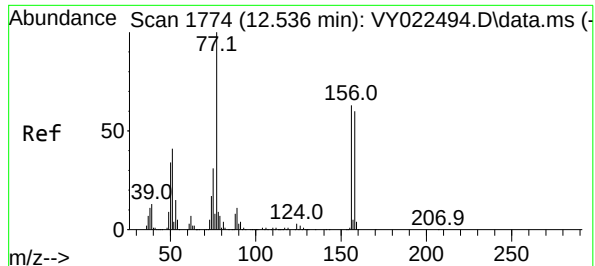
Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

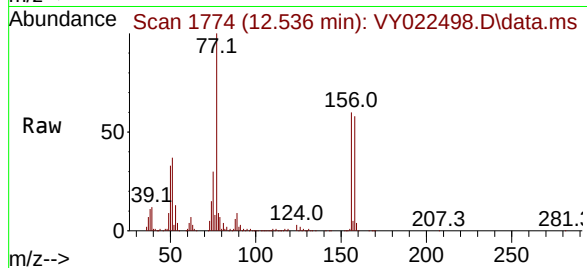
Tgt Ion:	75	Resp:	68304
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 45.607 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

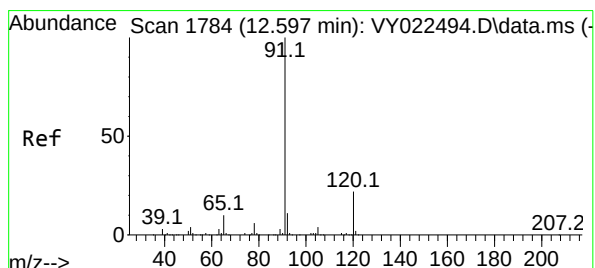
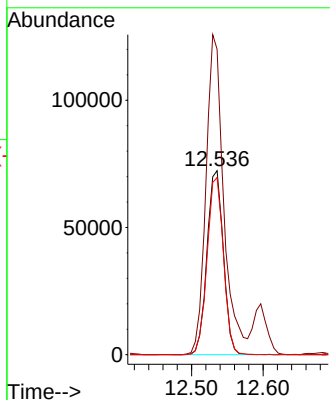
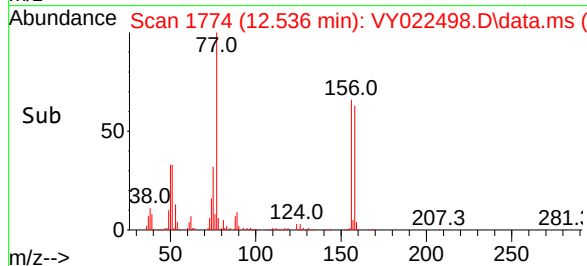
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



Tgt Ion:156 Resp: 11477
Ion Ratio Lower Upper
156 100
77 189.1 94.0 282.1
158 96.4 48.2 144.6

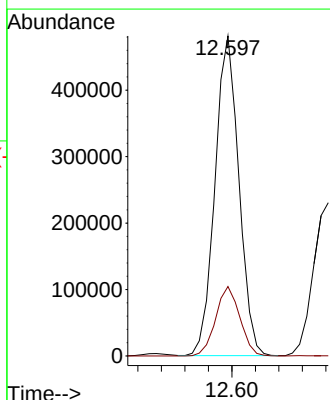
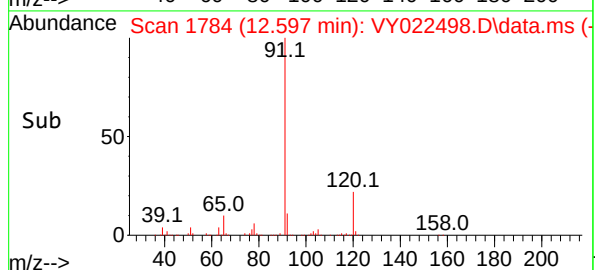
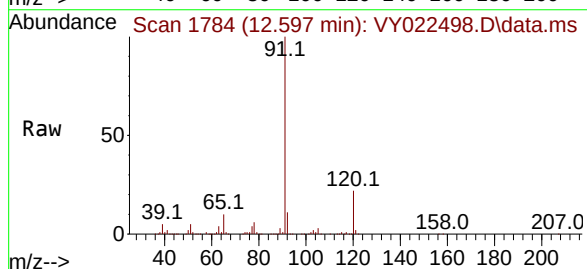
Manual Integrations
APPROVED

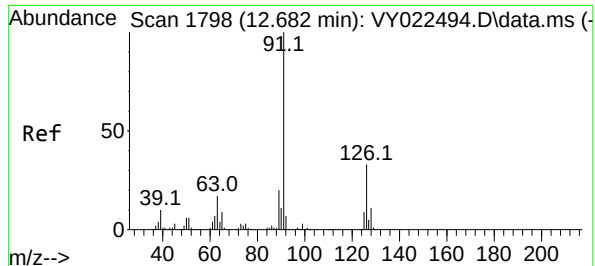
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#78
n-propylbenzene
Concen: 46.696 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 680155
Ion Ratio Lower Upper
91 100
120 21.9 10.8 32.4





#79

2-Chlorotoluene

Concen: 46.472 ug/l

RT: 12.682 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY060225

Tgt Ion: 91 Resp: 358750

Ion Ratio Lower Upper

91 100

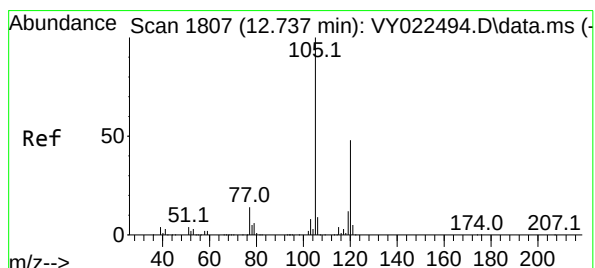
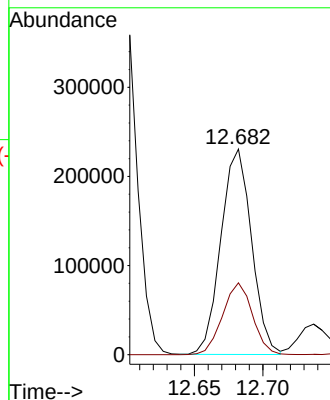
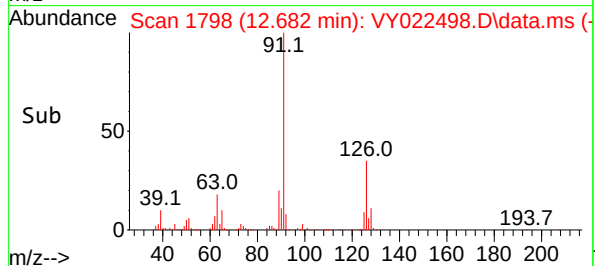
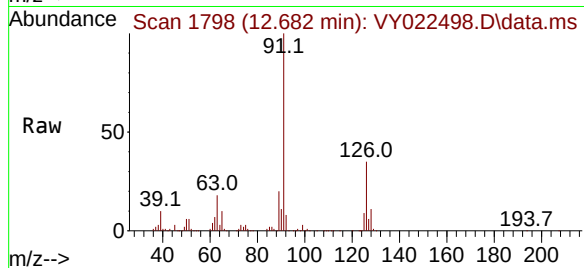
126 34.1 17.0 51.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 46.876 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022498.D

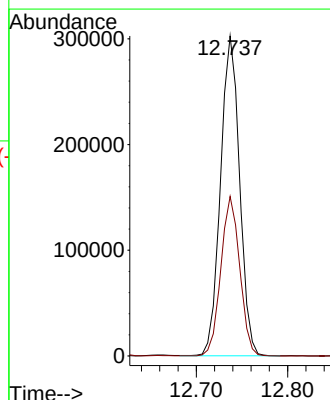
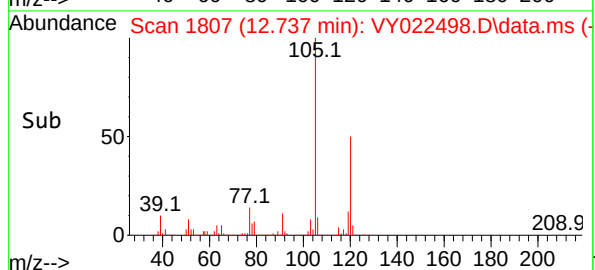
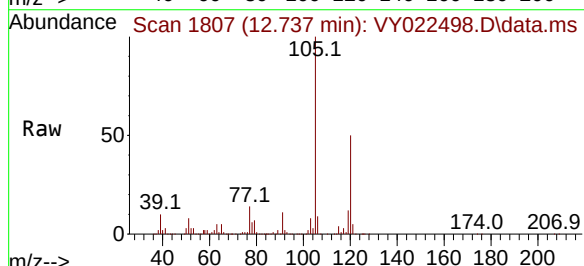
Acq: 02 Jun 2025 14:59

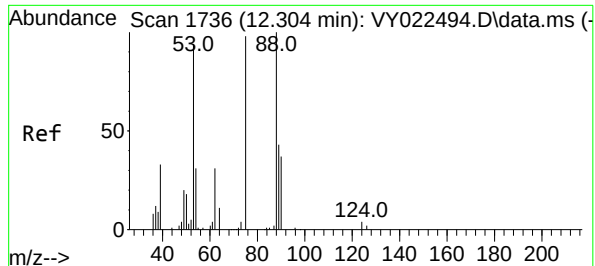
Tgt Ion:105 Resp: 438873

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.4





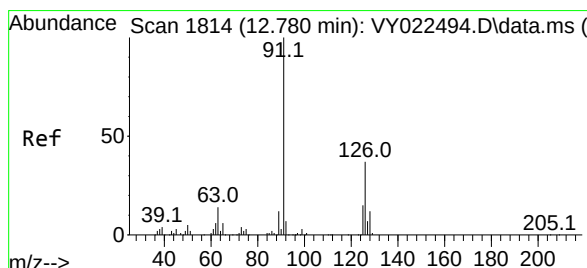
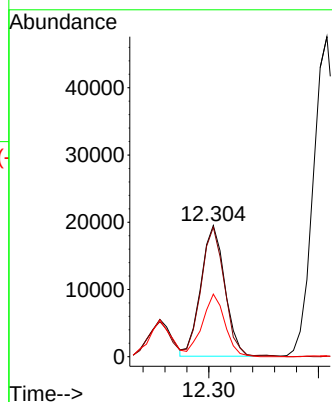
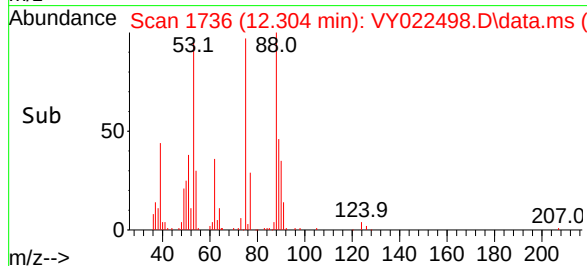
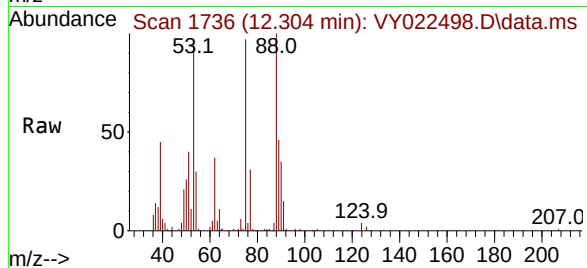
#81
trans-1,4-Dichloro-2-butene
Concen: 42.968 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 75 Resp: 2956
Ion Ratio Lower Upper
75 100
53 97.8 78.5 117.7
89 44.9 35.7 53.5

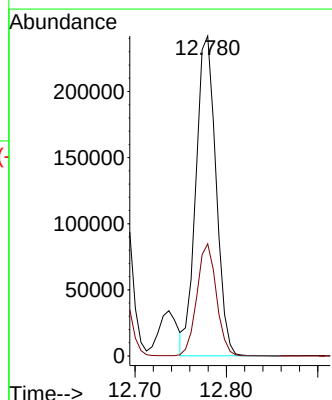
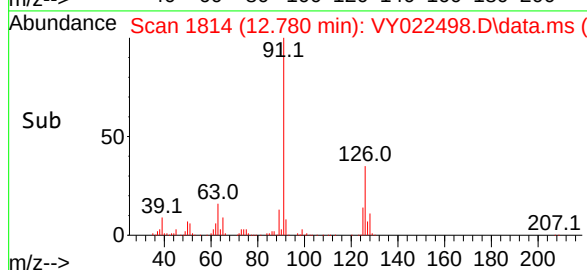
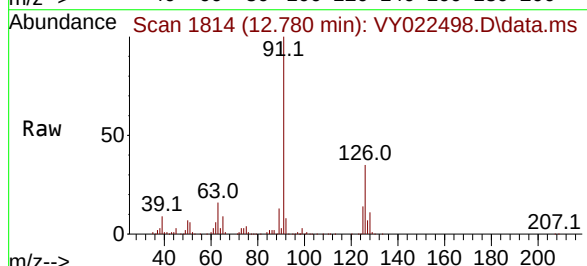
Manual Integrations
APPROVED

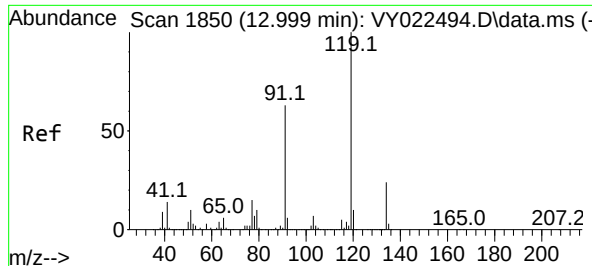
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#82
4-Chlorotoluene
Concen: 46.289 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 368631
Ion Ratio Lower Upper
91 100
126 34.2 17.0 50.9





#83

tert-Butylbenzene

Concen: 47.655 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion:119 Resp: 400440

Ion Ratio Lower Upper

119 100

91 63.8 32.1 96.3

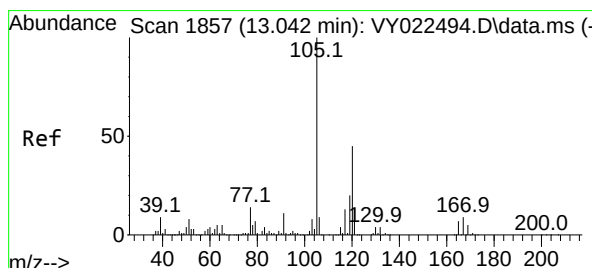
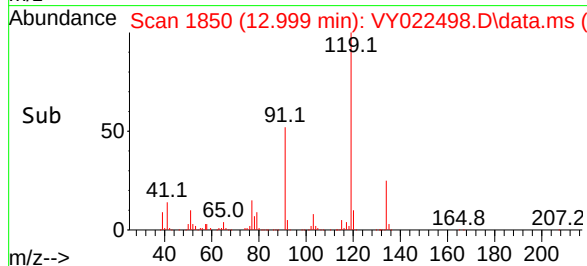
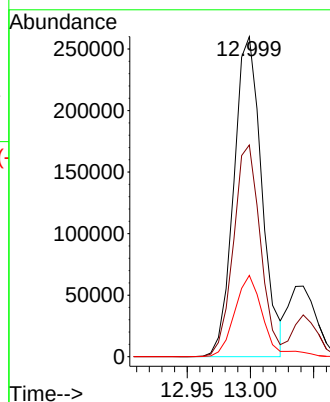
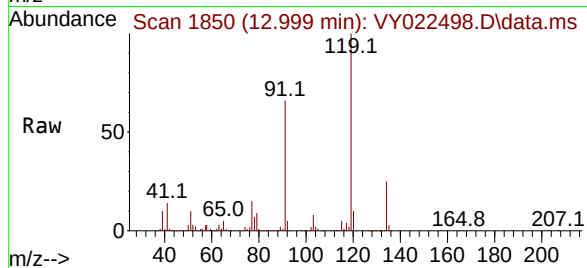
134 25.9 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#84

1,2,4-Trimethylbenzene

Concen: 46.735 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022498.D

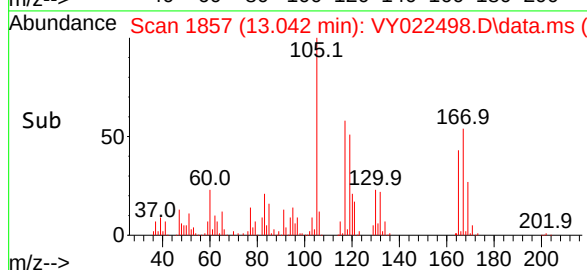
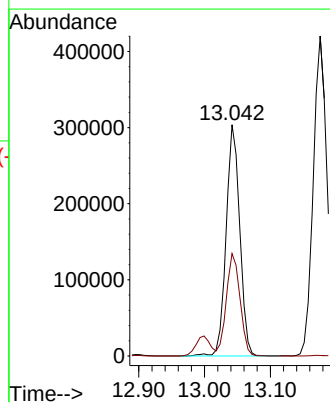
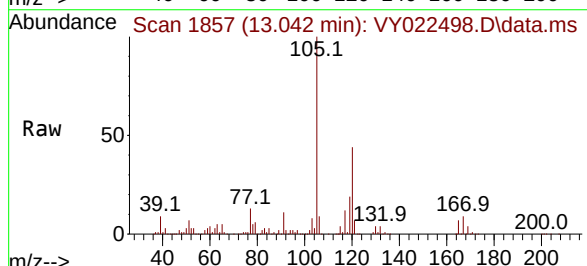
Acq: 02 Jun 2025 14:59

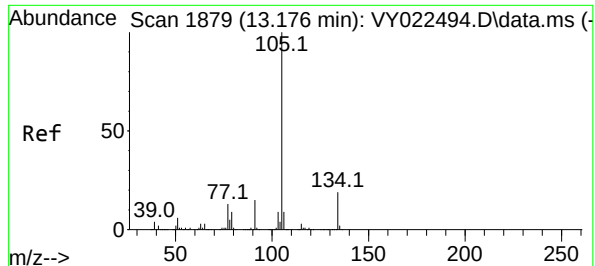
Tgt Ion:105 Resp: 437631

Ion Ratio Lower Upper

105 100

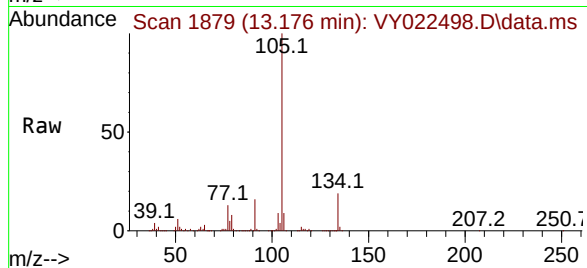
120 44.5 22.7 68.1





#85
sec-Butylbenzene
Concen: 47.241 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

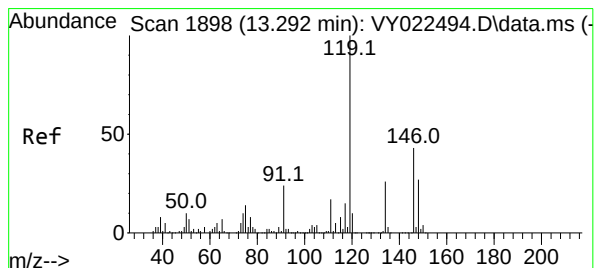
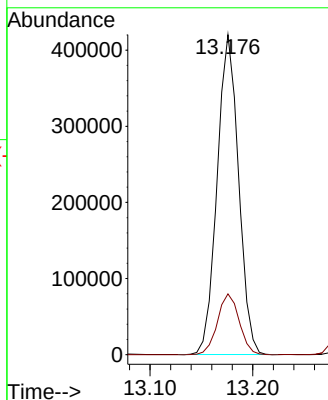
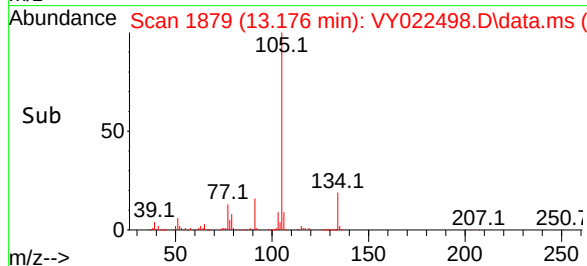
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



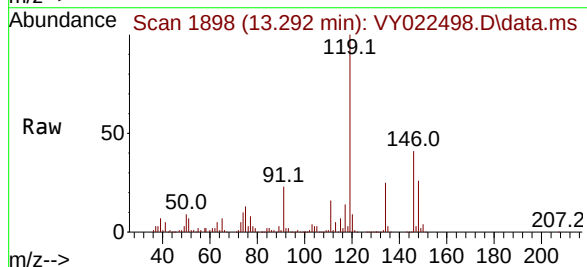
Tgt Ion:105 Resp: 607968
Ion Ratio Lower Upper
105 100
134 19.3 9.7 28.9

Manual Integrations
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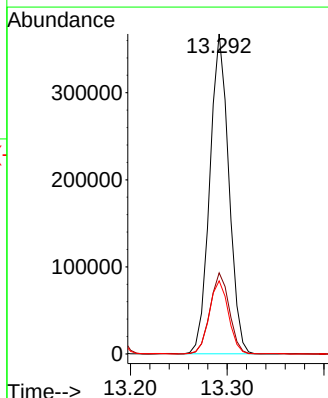
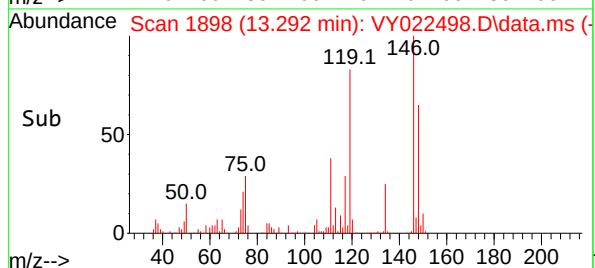
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

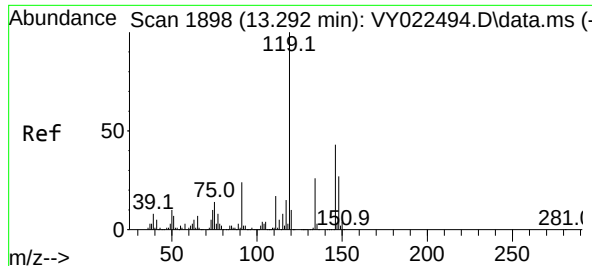


#86
p-Isopropyltoluene
Concen: 47.321 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



Tgt Ion:119 Resp: 501979
Ion Ratio Lower Upper
119 100
134 25.7 13.1 39.1
91 23.0 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 45.932 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion:146 Resp: 234193

Ion Ratio Lower Upper

146 100

111 39.1 20.1 60.2

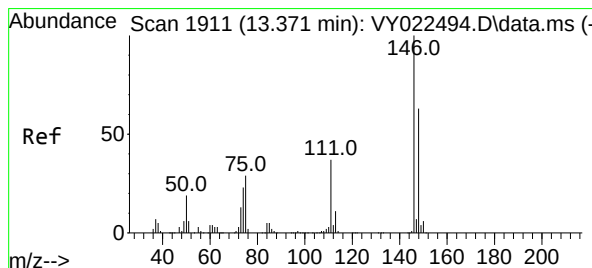
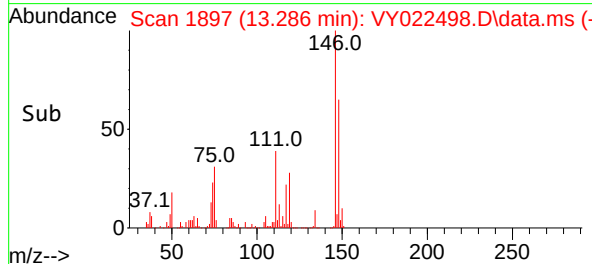
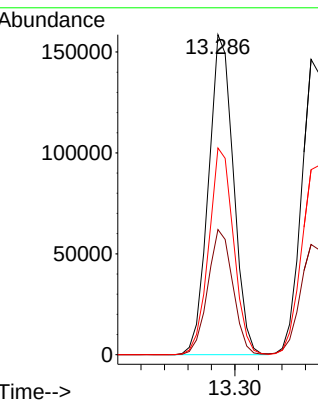
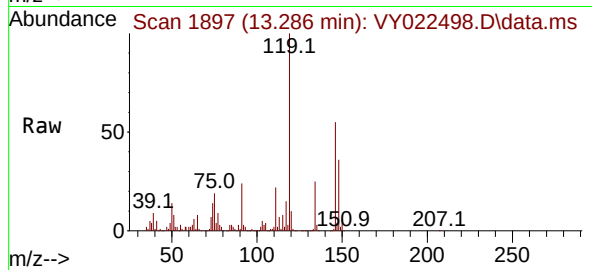
148 64.1 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#88

1,4-Dichlorobenzene

Concen: 45.113 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

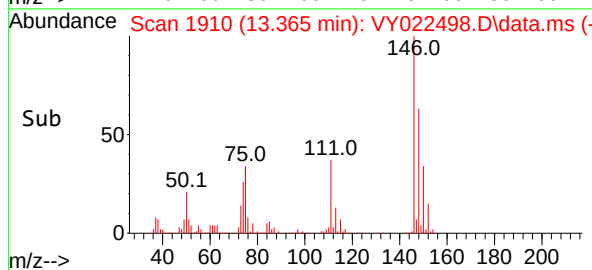
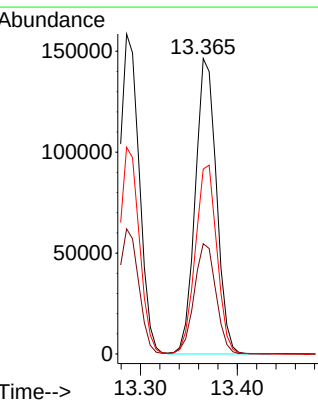
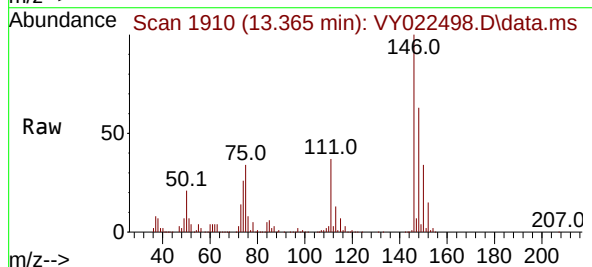
Tgt Ion:146 Resp: 223096

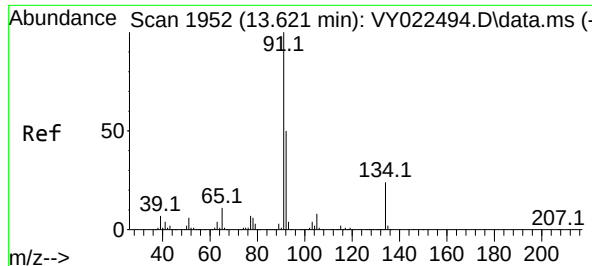
Ion Ratio Lower Upper

146 100

111 38.4 19.4 58.2

148 65.3 31.6 94.8





#89

n-Butylbenzene

Concen: 47.968 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

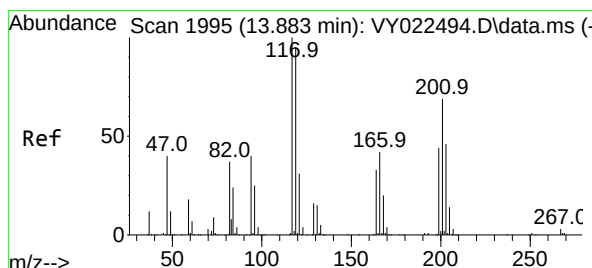
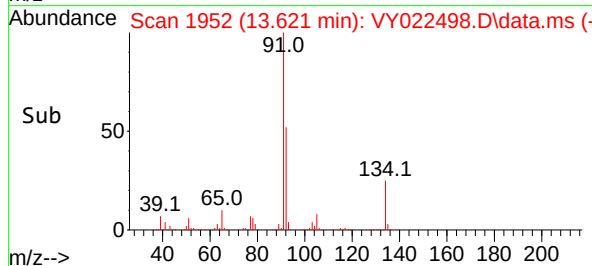
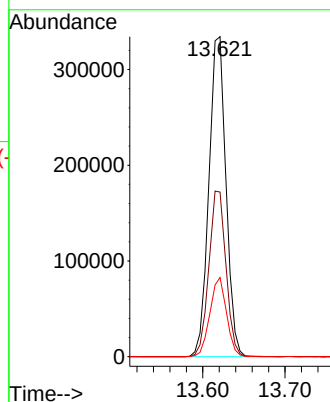
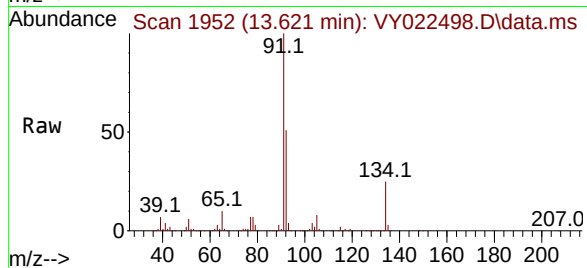
ICVY060225

Tgt Ion:	91	Resp:	482774
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#90

Hexachloroethane

Concen: 47.101 ug/l

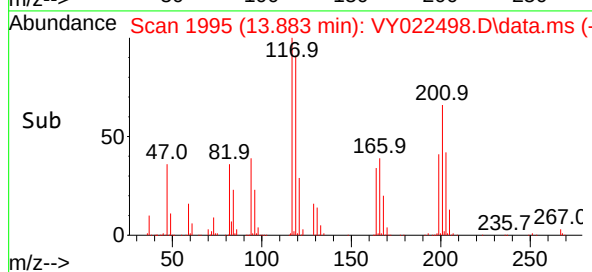
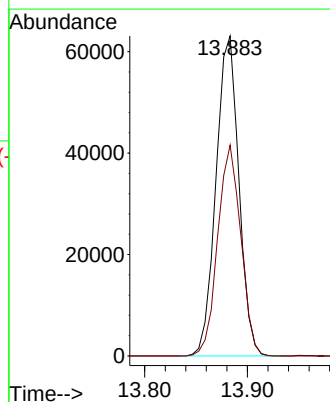
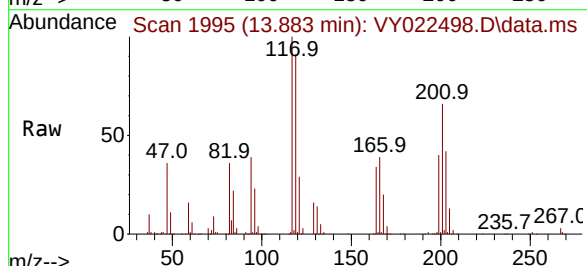
RT: 13.883 min Scan# 1995

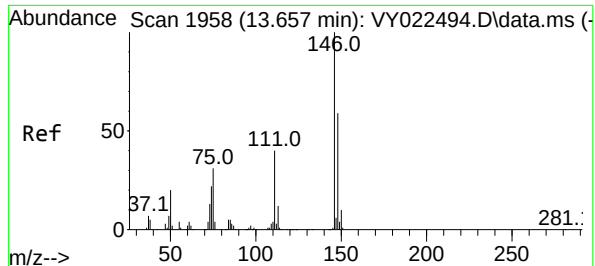
Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

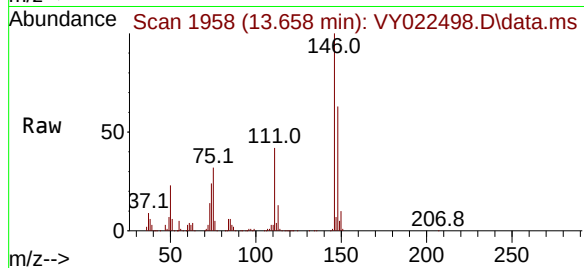
Tgt Ion:	117	Resp:	97273
Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.0	102.0





#91
1,2-Dichlorobenzene
Concen: 45.213 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

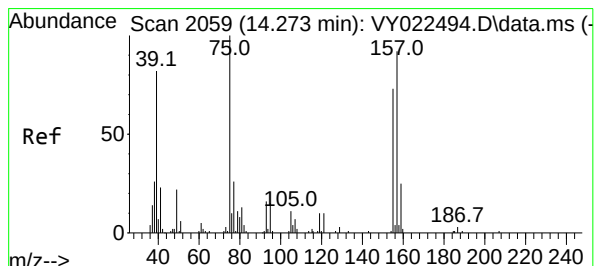
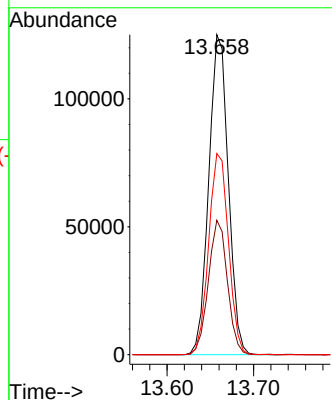
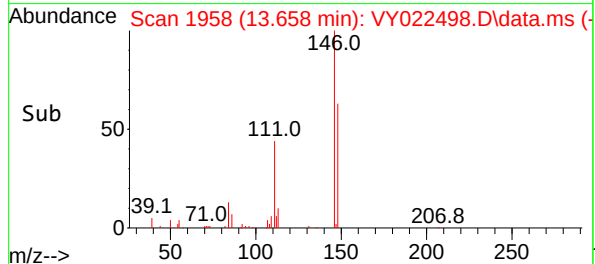
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion:146 Resp: 195728
Ion Ratio Lower Upper
146 100
111 41.1 20.2 60.6
148 63.8 31.4 94.0

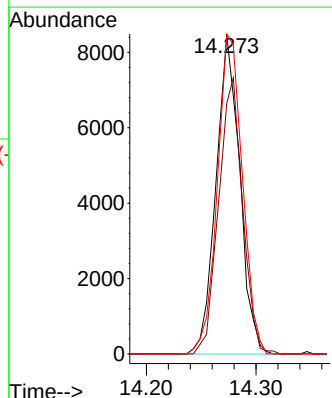
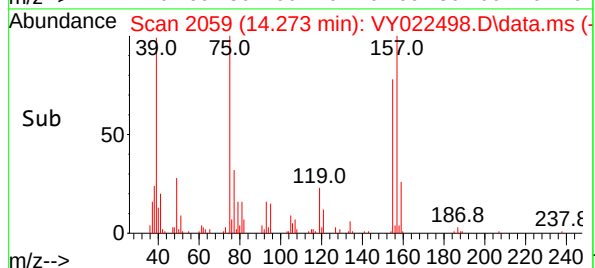
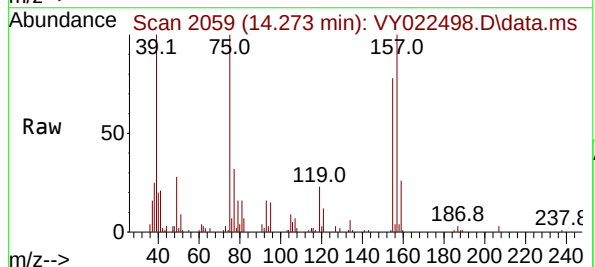
Manual Integrations
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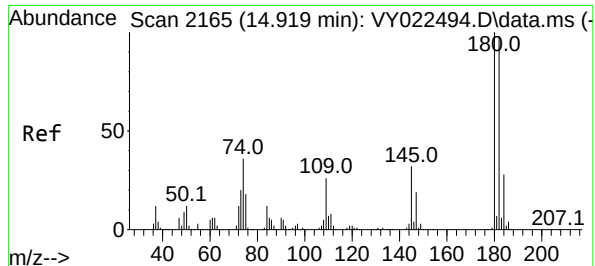
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.665 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 12728
Ion Ratio Lower Upper
75 100
155 87.1 39.9 119.6
157 105.8 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 46.481 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

ICVY060225

Tgt Ion:180 Resp: 10974

Ion Ratio Lower Upper

180 100

182 94.3 48.4 145.3

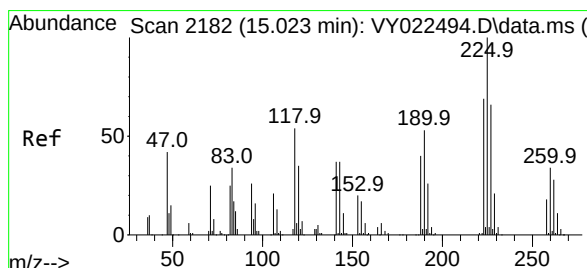
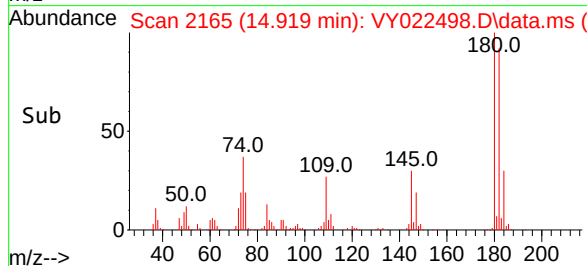
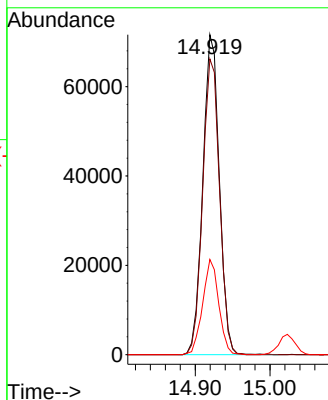
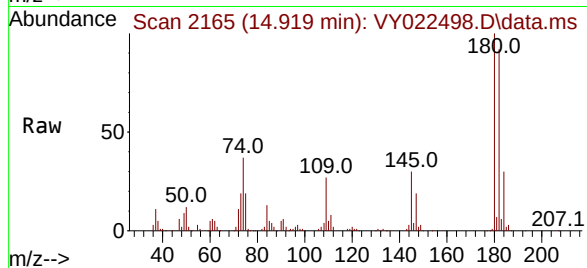
145 29.1 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#94

Hexachlorobutadiene

Concen: 45.457 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

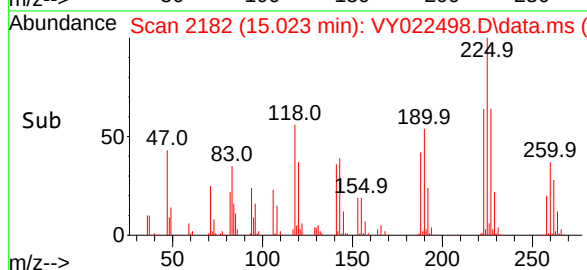
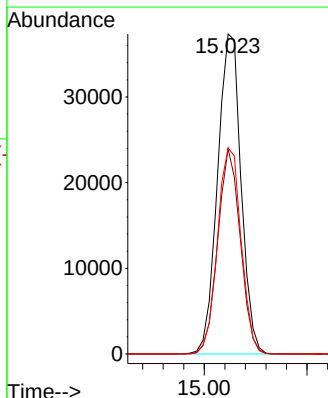
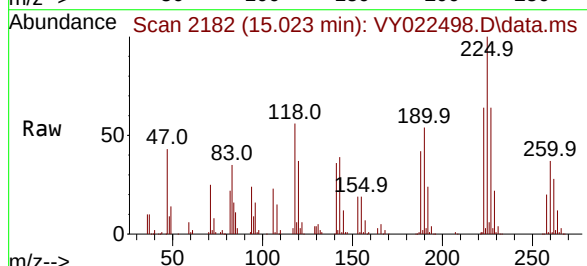
Tgt Ion:225 Resp: 59236

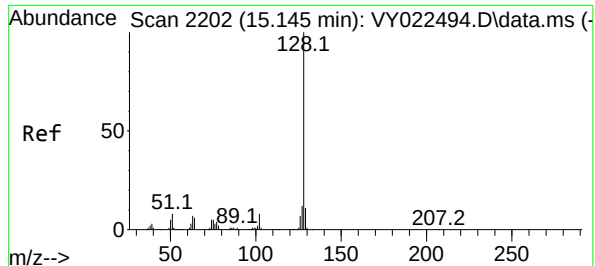
Ion Ratio Lower Upper

225 100

223 61.5 32.5 97.4

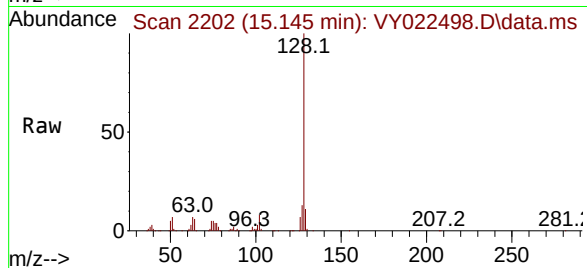
227 64.6 32.3 96.9





#95
Naphthalene
Concen: 45.009 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

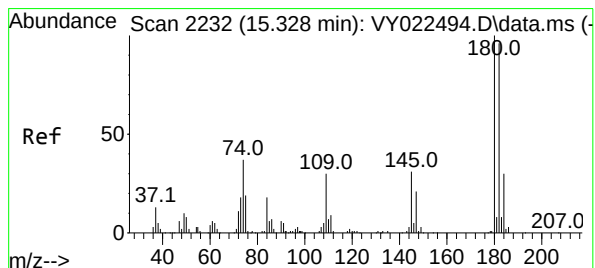
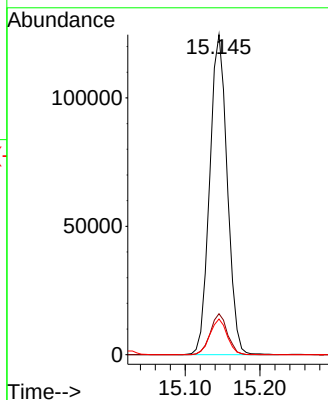
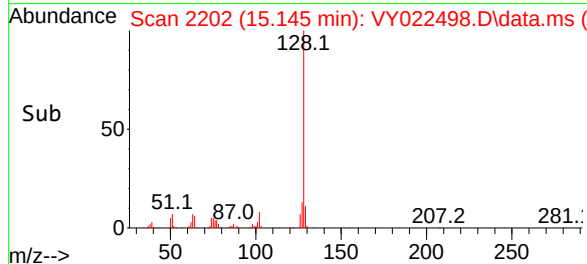
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



Tgt Ion:128 Resp: 203925
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 11.0 8.9 13.3

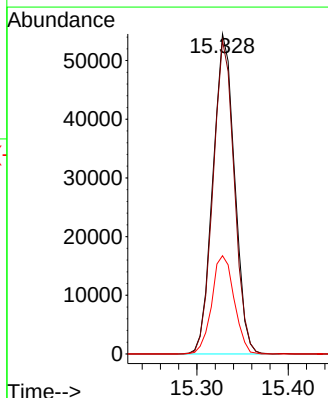
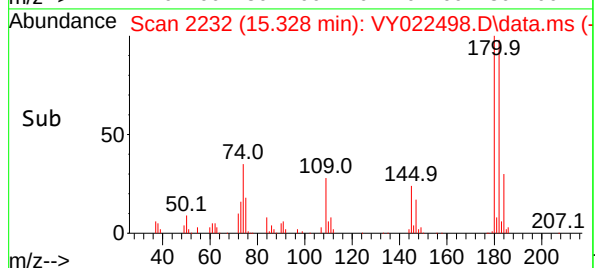
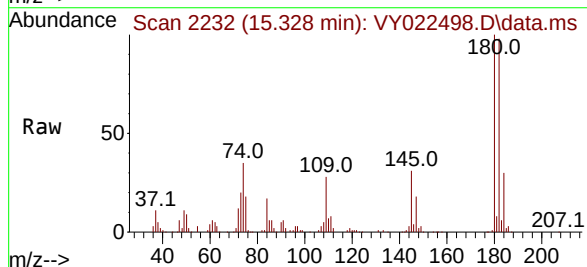
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 44.331 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:180 Resp: 89699
Ion Ratio Lower Upper
180 100
182 96.1 47.1 141.3
145 31.8 15.2 45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022498.D
 Acq On : 02 Jun 2025 14:59
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY060225

Quant Time: Jun 03 03:24:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 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	104	0.00
2 T	Dichlorodifluoromethane	0.448	0.383	14.5	97	0.00
3 P	Chloromethane	1.322	1.259	4.8	107	0.00
4 C	Vinyl Chloride	1.534	1.475	3.8#	103	0.00
5 T	Bromomethane	1.470	1.250	15.0	105	0.00
6 T	Chloroethane	1.053	0.939	10.8	102	0.00
7 T	Trichlorofluoromethane	1.302	1.237	5.0	105	0.00
8 T	Diethyl Ether	0.293	0.260	11.3	93	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.549	0.496	9.7	96	0.00
10 T	Methyl Iodide	0.594	0.533	10.3	86	0.00
11 T	Tert butyl alcohol	0.040	0.033	17.5	87	0.00
12 CM	1,1-Dichloroethene	0.524	0.485	7.4#	98	-0.01
13 T	Acrolein	0.050	0.044	12.0	97	0.00
14 T	Allyl chloride	0.823	0.755	8.3	98	0.00
15 T	Acrylonitrile	0.124	0.108	12.9	90	0.00
16 T	Acetone	0.114	0.101	11.4	91	0.00
17 T	Carbon Disulfide	1.679	1.559	7.1	98	0.00
18 T	Methyl Acetate	0.336	0.262	22.0	82	0.00
19 T	Methyl tert-butyl Ether	1.477	1.299	12.1	92	-0.01
20 T	Methylene Chloride	0.645	0.527	18.3	96	0.00
21 T	trans-1,2-Dichloroethene	0.587	0.540	8.0	99	0.00
22 T	Diisopropyl ether	1.832	1.616	11.8	93	0.00
23 T	Vinyl Acetate	1.084	0.971	10.4	94	0.00
24 P	1,1-Dichloroethane	1.079	0.994	7.9	98	0.00
25 T	2-Butanone	0.164	0.145	11.6	90	0.00
26 T	2,2-Dichloropropane	0.954	0.890	6.7	98	0.00
27 T	cis-1,2-Dichloroethene	0.678	0.624	8.0	96	0.00
28 T	Bromochloromethane	0.471	0.438	7.0	101	0.00
29 T	Tetrahydrofuran	0.106	0.089	16.0	89	0.00
30 C	Chloroform	1.069	0.982	8.1#	97	0.00
31 T	Cyclohexane	1.075	0.940	12.6	97	0.00
32 T	1,1,1-Trichloroethane	0.949	0.885	6.7	97	0.00
33 S	1,2-Dichloroethane-d4	0.559	0.487	12.9	86	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35 S	Dibromofluoromethane	0.298	0.279	6.4	90	0.00
36 T	1,1-Dichloropropene	0.484	0.455	6.0	97	0.00
37 T	Ethyl Acetate	0.216	0.188	13.0	85	0.00
38 T	Carbon Tetrachloride	0.497	0.475	4.4	97	0.00
39 T	Methylcyclohexane	0.651	0.611	6.1	97	0.00
40 TM	Benzene	1.431	1.345	6.0	97	0.00
41 T	Methacrylonitrile	0.126	0.109	13.5	91	-0.01
42 TM	1,2-Dichloroethane	0.391	0.357	8.7	95	0.00
43 T	Isopropyl Acetate	0.467	0.412	11.8	90	0.00
44 TM	Trichloroethene	0.350	0.326	6.9	95	0.00
45 C	1,2-Dichloropropane	0.338	0.315	6.8#	95	0.00
46 T	Dibromomethane	0.190	0.177	6.8	95	0.00
47 T	Bromodichloromethane	0.482	0.452	6.2	96	0.00
48 T	Methyl methacrylate	0.219	0.194	11.4	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022498.D
 Acq On : 02 Jun 2025 14:59
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY060225

Quant Time: Jun 03 03:24:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 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	88	-0.01
50 S	Toluene-d8	1.206	1.128	6.5	92	0.00
51 T	4-Methyl-2-Pentanone	0.233	0.204	12.4	87	0.00
52 CM	Toluene	0.899	0.848	5.7#	98	0.00
53 T	t-1,3-Dichloropropene	0.452	0.417	7.7	94	0.00
54 T	cis-1,3-Dichloropropene	0.526	0.486	7.6	94	0.00
55 T	1,1,2-Trichloroethane	0.243	0.218	10.3	94	0.00
56 T	Ethyl methacrylate	0.351	0.316	10.0	91	0.00
57 T	1,3-Dichloropropane	0.430	0.393	8.6	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.159	0.155	2.5	101	0.00
59 T	2-Hexanone	0.156	0.137	12.2	88	0.00
60 T	Dibromochloromethane	0.308	0.278	9.7	92	0.00
61 T	1,2-Dibromoethane	0.221	0.203	8.1	95	0.00
62 S	4-Bromofluorobenzene	0.359	0.329	8.4	92	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.430	0.391	9.1	94	0.00
65 PM	Chlorobenzene	1.106	1.017	8.0	95	0.00
66 T	1,1,1,2-Tetrachloroethane	0.373	0.339	9.1	94	0.00
67 C	Ethyl Benzene	2.052	1.939	5.5#	98	0.00
68 T	m/p-Xylenes	0.778	0.727	6.6	97	0.00
69 T	o-Xylene	0.729	0.670	8.1	96	0.00
70 T	Styrene	1.206	1.129	6.4	96	0.00
71 P	Bromoform	0.198	0.178	10.1	93	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	4.105	3.853	6.1	97	0.00
74 T	N-amyl acetate	1.036	0.943	9.0	91	0.00
75 P	1,1,2,2-Tetrachloroethane	0.674	0.602	10.7	92	0.00
76 T	1,2,3-Trichloropropane	0.572	0.470	17.8	78	0.00
77 T	Bromobenzene	0.866	0.790	8.8	95	0.00
78 T	n-propylbenzene	5.014	4.683	6.6	96	0.00
79 T	2-Chlorotoluene	2.657	2.470	7.0	96	0.00
80 T	1,3,5-Trimethylbenzene	3.223	3.021	6.3	96	0.00
81 T	trans-1,4-Dichloro-2-butene	0.237	0.204	13.9	91	0.00
82 T	4-Chlorotoluene	2.741	2.538	7.4	95	0.00
83 T	tert-Butylbenzene	2.893	2.757	4.7	99	0.00
84 T	1,2,4-Trimethylbenzene	3.223	3.013	6.5	97	0.00
85 T	sec-Butylbenzene	4.430	4.186	5.5	98	0.00
86 T	p-Isopropyltoluene	3.652	3.456	5.4	98	0.00
87 T	1,3-Dichlorobenzene	1.755	1.612	8.1	97	0.00
88 T	1,4-Dichlorobenzene	1.702	1.536	9.8	94	0.00
89 T	n-Butylbenzene	3.464	3.324	4.0	98	0.00
90 T	Hexachloroethane	0.711	0.670	5.8	97	0.00
91 T	1,2-Dichlorobenzene	1.490	1.347	9.6	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.098	0.088	10.2	87	0.00
93 T	1,2,4-Trichlorobenzene	0.813	0.756	7.0	96	0.00
94 T	Hexachlorobutadiene	0.449	0.408	9.1	95	0.00
95 T	Naphthalene	1.560	1.404	10.0	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	0.697	0.618	11.3	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022498.D
 Acq On : 02 Jun 2025 14:59
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY060225

Quant Time: Jun 03 03:24:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 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	104	0.00
2 T	Dichlorodifluoromethane	50.000	42.825	14.3	97	0.00
3 P	Chloromethane	50.000	47.616	4.8	107	0.00
4 C	Vinyl Chloride	50.000	48.066	3.9#	103	0.00
5 T	Bromomethane	50.000	42.515	15.0	105	0.00
6 T	Chloroethane	50.000	44.575	10.8	102	0.00
7 T	Trichlorofluoromethane	50.000	47.475	5.0	105	0.00
8 T	Diethyl Ether	50.000	44.247	11.5	93	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.230	9.5	96	0.00
10 T	Methyl Iodide	50.000	44.885	10.2	86	0.00
11 T	Tert butyl alcohol	250.000	205.761	17.7	87	0.00
12 CM	1,1-Dichloroethene	50.000	46.234	7.5#	98	-0.01
13 T	Acrolein	250.000	223.473	10.6	97	0.00
14 T	Allyl chloride	50.000	45.834	8.3	98	0.00
15 T	Acrylonitrile	250.000	216.963	13.2	90	0.00
16 T	Acetone	250.000	221.854	11.3	91	0.00
17 T	Carbon Disulfide	50.000	46.432	7.1	98	0.00
18 T	Methyl Acetate	50.000	38.935	22.1	82	0.00
19 T	Methyl tert-butyl Ether	50.000	43.974	12.1	92	-0.01
20 T	Methylene Chloride	50.000	40.875	18.3	96	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.024	8.0	99	0.00
22 T	Diisopropyl ether	50.000	44.104	11.8	93	0.00
23 T	Vinyl Acetate	250.000	223.951	10.4	94	0.00
24 P	1,1-Dichloroethane	50.000	46.053	7.9	98	0.00
25 T	2-Butanone	250.000	220.736	11.7	90	0.00
26 T	2,2-Dichloropropane	50.000	46.639	6.7	98	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.024	8.0	96	0.00
28 T	Bromochloromethane	50.000	46.547	6.9	101	0.00
29 T	Tetrahydrofuran	250.000	211.767	15.3	89	0.00
30 C	Chloroform	50.000	45.919	8.2#	97	0.00
31 T	Cyclohexane	50.000	43.757	12.5	97	0.00
32 T	1,1,1-Trichloroethane	50.000	46.627	6.7	97	0.00
33 S	1,2-Dichloroethane-d4	50.000	43.538	12.9	86	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35 S	Dibromofluoromethane	50.000	46.676	6.6	90	0.00
36 T	1,1-Dichloropropene	50.000	46.978	6.0	97	0.00
37 T	Ethyl Acetate	50.000	43.605	12.8	85	0.00
38 T	Carbon Tetrachloride	50.000	47.747	4.5	97	0.00
39 T	Methylcyclohexane	50.000	46.923	6.2	97	0.00
40 TM	Benzene	50.000	47.020	6.0	97	0.00
41 T	Methacrylonitrile	50.000	43.134	13.7	91	-0.01
42 TM	1,2-Dichloroethane	50.000	45.644	8.7	95	0.00
43 T	Isopropyl Acetate	50.000	44.122	11.8	90	0.00
44 TM	Trichloroethene	50.000	46.609	6.8	95	0.00
45 C	1,2-Dichloropropane	50.000	46.587	6.8#	95	0.00
46 T	Dibromomethane	50.000	46.430	7.1	95	0.00
47 T	Bromodichloromethane	50.000	46.825	6.3	96	0.00
48 T	Methyl methacrylate	50.000	44.198	11.6	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022498.D
 Acq On : 02 Jun 2025 14:59
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY060225

Quant Time: Jun 03 03:24:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 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	816.553	18.3	88	-0.01
50 S	Toluene-d8	50.000	46.760	6.5	92	0.00
51 T	4-Methyl-2-Pentanone	250.000	219.250	12.3	87	0.00
52 CM	Toluene	50.000	47.137	5.7#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	46.094	7.8	94	0.00
54 T	cis-1,3-Dichloropropene	50.000	46.206	7.6	94	0.00
55 T	1,1,2-Trichloroethane	50.000	44.953	10.1	94	0.00
56 T	Ethyl methacrylate	50.000	45.029	9.9	91	0.00
57 T	1,3-Dichloropropane	50.000	45.696	8.6	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	243.746	2.5	101	0.00
59 T	2-Hexanone	250.000	220.088	12.0	88	0.00
60 T	Dibromochloromethane	50.000	45.114	9.8	92	0.00
61 T	1,2-Dibromoethane	50.000	45.960	8.1	95	0.00
62 S	4-Bromofluorobenzene	50.000	45.847	8.3	92	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	45.398	9.2	94	0.00
65 PM	Chlorobenzene	50.000	45.953	8.1	95	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	45.464	9.1	94	0.00
67 C	Ethyl Benzene	50.000	47.248	5.5#	98	0.00
68 T	m/p-Xylenes	100.000	93.473	6.5	97	0.00
69 T	o-Xylene	50.000	45.959	8.1	96	0.00
70 T	Styrene	50.000	46.815	6.4	96	0.00
71 P	Bromoform	50.000	44.852	10.3	93	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	46.933	6.1	97	0.00
74 T	N-ethyl acetate	50.000	45.502	9.0	91	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	44.656	10.7	92	0.00
76 T	1,2,3-Trichloropropane	50.000	41.103	17.8	78	0.00
77 T	Bromobenzene	50.000	45.607	8.8	95	0.00
78 T	n-propylbenzene	50.000	46.696	6.6	96	0.00
79 T	2-Chlorotoluene	50.000	46.472	7.1	96	0.00
80 T	1,3,5-Trimethylbenzene	50.000	46.876	6.2	96	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	42.968	14.1	91	0.00
82 T	4-Chlorotoluene	50.000	46.289	7.4	95	0.00
83 T	tert-Butylbenzene	50.000	47.655	4.7	99	0.00
84 T	1,2,4-Trimethylbenzene	50.000	46.735	6.5	97	0.00
85 T	sec-Butylbenzene	50.000	47.241	5.5	98	0.00
86 T	p-Isopropyltoluene	50.000	47.321	5.4	98	0.00
87 T	1,3-Dichlorobenzene	50.000	45.932	8.1	97	0.00
88 T	1,4-Dichlorobenzene	50.000	45.113	9.8	94	0.00
89 T	n-Butylbenzene	50.000	47.968	4.1	98	0.00
90 T	Hexachloroethane	50.000	47.101	5.8	97	0.00
91 T	1,2-Dichlorobenzene	50.000	45.213	9.6	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.665	10.7	87	0.00
93 T	1,2,4-Trichlorobenzene	50.000	46.481	7.0	96	0.00
94 T	Hexachlorobutadiene	50.000	45.457	9.1	95	0.00
95 T	Naphthalene	50.000	45.009	10.0	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	44.331	11.3	92	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: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: MSVOA_Y Calibration Date/Time: 05/29/2025 08:23

Lab File ID: VY022453.D Init. Calib. Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 08:50 10:44

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.477	0.443		-7.13	20
Chloromethane	1.173	1.080	0.1	-7.93	20
Vinyl Chloride	1.425	1.441		1.12	20
Bromomethane	1.295	1.134		-12.43	20
Chloroethane	0.932	0.992		6.44	20
Trichlorofluoromethane	1.203	1.195		-0.67	20
1,1,2-Trichlorotrifluoroethane	0.528	0.543		2.84	20
1,1-Dichloroethene	0.524	0.537		2.48	20
Acetone	0.087	0.104		19.54	20
Carbon Disulfide	1.672	1.727		3.29	20
Methyl tert-butyl Ether	1.391	1.429		2.73	20
Methyl Acetate	0.324	0.357		10.19	20
Methylene Chloride	0.611	0.599		-1.96	20
trans-1,2-Dichloroethene	0.572	0.593		3.67	20
1,1-Dichloroethane	1.028	1.100	0.1	7	20
Cyclohexane	1.013	0.984		-2.86	20
2-Butanone	0.144	0.156		8.33	20
Carbon Tetrachloride	0.484	0.508		4.96	20
cis-1,2-Dichloroethene	0.662	0.699		5.59	20
Bromochloromethane	0.429	0.474		10.49	20
Chloroform	1.013	1.070		5.63	20
1,1,1-Trichloroethane	0.919	0.965		5.01	20
Methylcyclohexane	0.618	0.621		0.49	20
Benzene	1.383	1.457		5.35	20
1,2-Dichloroethane	0.365	0.379		3.84	20
Trichloroethene	0.342	0.351		2.63	20
1,2-Dichloropropane	0.325	0.341		4.92	20
Bromodichloromethane	0.467	0.486		4.07	20
4-Methyl-2-Pentanone	0.213	0.219		2.82	20
Toluene	0.864	0.906		4.86	20
t-1,3-Dichloropropene	0.435	0.453		4.14	20
cis-1,3-Dichloropropene	0.511	0.531		3.91	20
1,1,2-Trichloroethane	0.229	0.235		2.62	20
2-Hexanone	0.140	0.147		5	20
Dibromochloromethane	0.293	0.307		4.78	20
1,2-Dibromoethane	0.210	0.214		1.9	20
Tetrachloroethene	0.426	0.446		4.7	20
Chlorobenzene	1.066	1.114	0.3	4.5	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: CAMP02
 Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150
 Instrument ID: MSVOA_Y Calibration Date/Time: 05/29/2025 08:23
 Lab File ID: VY022453.D Init. Calib. Date(s): 05/27/2025 05/27/2025
 Heated Purge: (Y/N) Y Init. Calib. Time(s): 08:50 10:44
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.980	2.068		4.44	20
m/p-Xylenes	0.751	0.779		3.73	20
o-Xylene	0.705	0.730		3.55	20
Styrene	1.175	1.240		5.53	20
Bromoform	0.189	0.192	0.1	1.59	20
Isopropylbenzene	3.935	4.134		5.06	20
1,1,2,2-Tetrachloroethane	0.620	0.610	0.3	-1.61	20
1,3-Dichlorobenzene	1.704	1.747		2.52	20
1,4-Dichlorobenzene	1.629	1.697		4.17	20
1,2-Dichlorobenzene	1.423	1.485		4.36	20
1,2-Dibromo-3-Chloropropane	0.096	0.093		-3.13	20
1,2,4-Trichlorobenzene	0.789	0.811		2.79	20
1,2,3-Trichlorobenzene	0.647	0.679		4.95	20
1,2-Dichloroethane-d4	0.527	0.542		2.85	20
Dibromofluoromethane	0.293	0.299		2.05	20
Toluene-d8	1.194	1.216		1.84	20
4-Bromofluorobenzene	0.361	0.361		0	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\VY052925\
 Data File : VY022453.D
 Acq On : 29 May 2025 08:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	217073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	367403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	311885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	144539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	117718	51.485	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.980%			
35) Dibromofluoromethane	7.646	113	109900	51.078	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.160%			
50) Toluene-d8	10.115	98	446607	50.917	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.840%			
62) 4-Bromofluorobenzene	12.414	95	132603	49.979	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	96102	46.403	ug/l	98
3) Chloromethane	2.074	50	234378	46.008	ug/l	99
4) Vinyl Chloride	2.208	62	312744	50.535	ug/l	97
5) Bromomethane	2.604	94	246236	43.784	ug/l	100
6) Chloroethane	2.745	64	215276	53.233	ug/l	98
7) Trichlorofluoromethane	3.062	101	259381	49.675	ug/l	99
8) Diethyl Ether	3.464	74	63009	52.335	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	117973	51.499	ug/l	98
10) Methyl Iodide	4.019	142	142579	55.169	ug/l	98
11) Tert butyl alcohol	4.885	59	39179	243.099	ug/l #	87
12) 1,1-Dichloroethene	3.799	96	116616	51.275	ug/l	92
13) Acrolein	3.665	56	33556	138.958	ug/l	100
14) Allyl chloride	4.397	41	183736	53.706	ug/l	98
15) Acrylonitrile	5.074	53	126492	260.652	ug/l	99
16) Acetone	3.885	43	112598	299.687	ug/l	93
17) Carbon Disulfide	4.116	76	374907	51.656	ug/l	99
18) Methyl Acetate	4.397	43	77391	54.988	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	310245	51.382	ug/l	97
20) Methylene Chloride	4.629	84	129965	48.985	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	128668	51.821	ug/l	98
22) Diisopropyl ether	6.031	45	395865	52.428	ug/l	98
23) Vinyl Acetate	5.970	43	1108700	255.731	ug/l	99
24) 1,1-Dichloroethane	5.927	63	238809	53.525	ug/l	98
25) 2-Butanone	6.903	43	169383	270.697	ug/l	97
26) 2,2-Dichloropropane	6.896	77	214202	53.021	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	151712	52.781	ug/l	98
28) Bromochloromethane	7.256	49	102958	55.263	ug/l	98
29) Tetrahydrofuran	7.274	42	107092	256.623	ug/l	97
30) Chloroform	7.433	83	232263	52.831	ug/l	99
31) Cyclohexane	7.713	56	213578	48.562	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	209433	52.490	ug/l	99
36) 1,1-Dichloropropene	7.847	75	177465	51.977	ug/l	99
37) Ethyl Acetate	6.994	43	73283	50.504	ug/l	99
38) Carbon Tetrachloride	7.829	117	186546	52.449	ug/l	97
39) Methylcyclohexane	9.116	83	228187	50.278	ug/l	96
40) Benzene	8.091	78	535259	52.686	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022453.D
 Acq On : 29 May 2025 08:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	45979m	52.208	ug/l	
42) 1,2-Dichloroethane	8.164	62	139327	51.926	ug/l	100
43) Isopropyl Acetate	8.201	43	159648	50.350	ug/l #	88
44) Trichloroethene	8.872	130	128913	51.329	ug/l	98
45) 1,2-Dichloropropane	9.146	63	125461	52.560	ug/l	99
46) Dibromomethane	9.237	93	68205	51.150	ug/l	99
47) Bromodichloromethane	9.433	83	178705	52.116	ug/l	99
48) Methyl methacrylate	9.231	41	77784	52.848	ug/l	97
49) 1,4-Dioxane	9.237	88	14373	975.883	ug/l	96
51) 4-Methyl-2-Pentanone	10.006	43	402915	257.545	ug/l	100
52) Toluene	10.176	92	332855	52.454	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	166521	52.136	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	195125	51.992	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	86260	51.165	ug/l	99
56) Ethyl methacrylate	10.445	69	122555	50.656	ug/l	97
57) 1,3-Dichloropropane	10.725	76	152635	51.375	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	311180	258.077	ug/l	99
59) 2-Hexanone	10.768	43	269457	262.819	ug/l	100
60) Dibromochloromethane	10.920	129	112707	52.335	ug/l	99
61) 1,2-Dibromoethane	11.024	107	78781	51.091	ug/l	98
64) Tetrachloroethene	10.652	164	138967	52.318	ug/l	96
65) Chlorobenzene	11.450	112	347414	52.240	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	116764	51.821	ug/l	98
67) Ethyl Benzene	11.524	91	645012	52.235	ug/l	98
68) m/p-Xylenes	11.633	106	485605	103.724	ug/l	100
69) o-Xylene	11.963	106	227557	51.717	ug/l	99
70) Styrene	11.975	104	386668	52.776	ug/l	100
71) Bromoform	12.139	173	59931	50.779	ug/l #	100
73) Isopropylbenzene	12.261	105	597529	52.527	ug/l	99
74) N-amyl acetate	12.072	43	146777	52.730	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	88143	49.179	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	68789m	47.513	ug/l	
77) Bromobenzene	12.536	156	125196	51.142	ug/l	98
78) n-propylbenzene	12.603	91	726495	53.216	ug/l	100
79) 2-Chlorotoluene	12.682	91	386917	52.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	466486	52.483	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	32774	51.193	ug/l	98
82) 4-Chlorotoluene	12.780	91	397764	52.262	ug/l	100
83) tert-Butylbenzene	13.005	119	426168	53.068	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	471592	52.724	ug/l	100
85) sec-Butylbenzene	13.182	105	631375	53.014	ug/l	100
86) p-Isopropyltoluene	13.298	119	526903	52.981	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	252533	51.269	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	245269	52.077	ug/l	99
89) n-Butylbenzene	13.621	91	499367	53.553	ug/l	100
90) Hexachloroethane	13.883	117	104310	52.707	ug/l	97
91) 1,2-Dichlorobenzene	13.664	146	214576	52.156	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13492	48.716	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	117166	51.370	ug/l	97
94) Hexachlorobutadiene	15.029	225	61354	51.258	ug/l	97
95) Naphthalene	15.151	128	219204	51.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	98121	52.456	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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\VY052925\
 Data File : VY022453.D
 Acq On : 29 May 2025 08:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By : Mahesh Dadoda 05/30/2025
 Supervised By : Semsettin Yesilyurt 05/30/2025

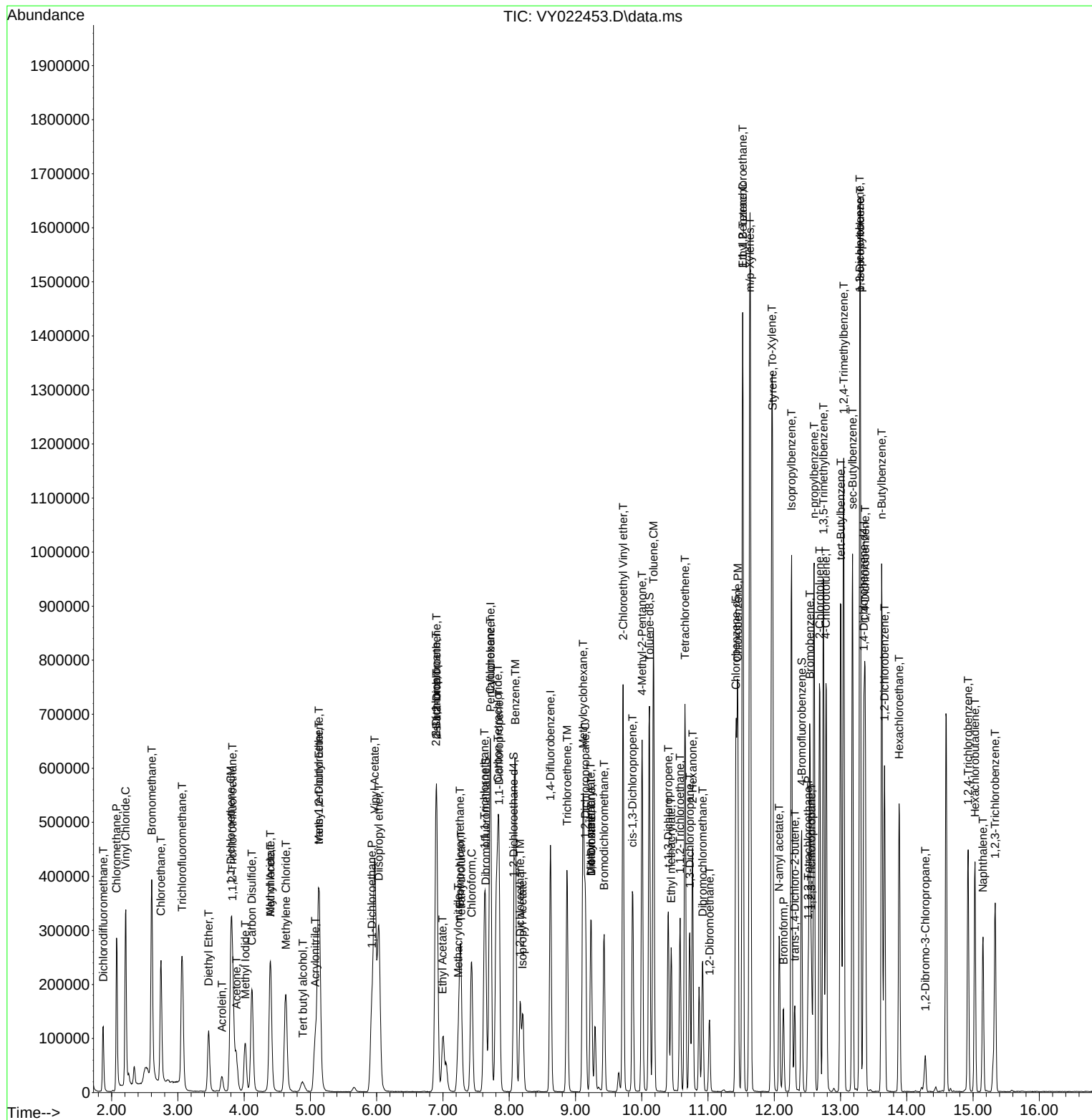
Quant Time: May 30 05:28:12 2025

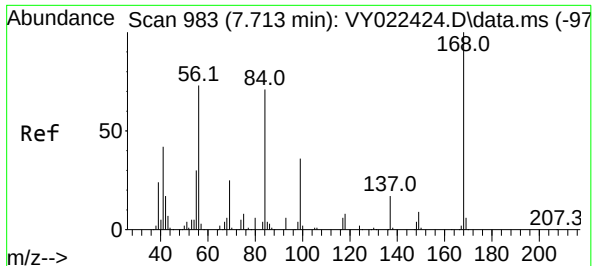
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M

Quant Title : SW846 8260

QLast Update : Wed May 28 10:34:06 2025

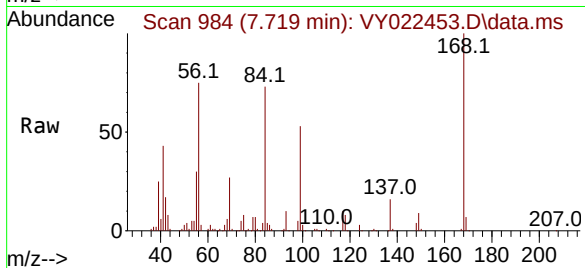
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

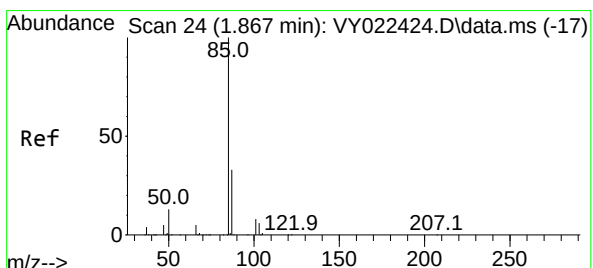
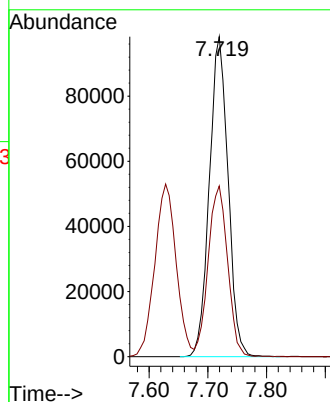
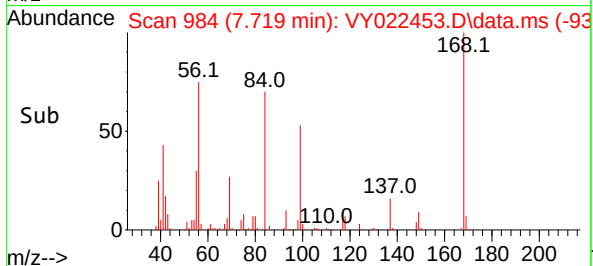
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 21707
Ion Ratio Lower Upper
168 100
99 53.2 44.7 67.1

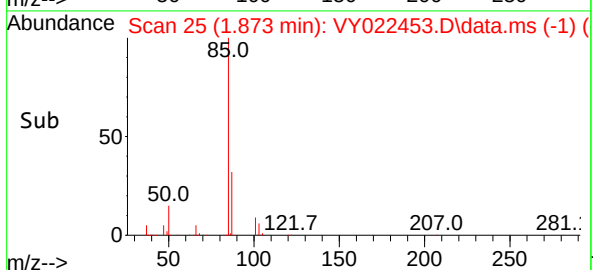
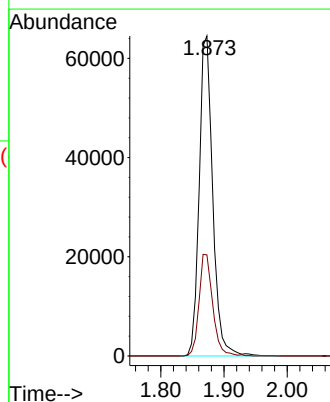
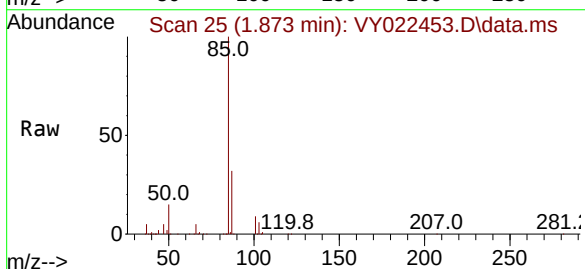
Manual Integrations
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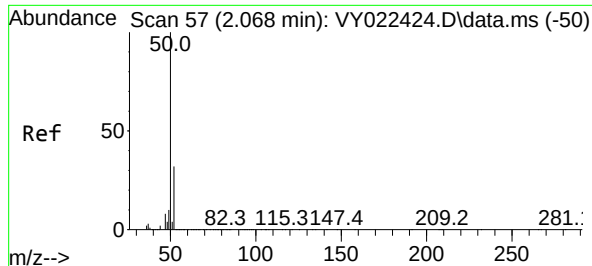
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#2
Dichlorodifluoromethane
Concen: 46.403 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

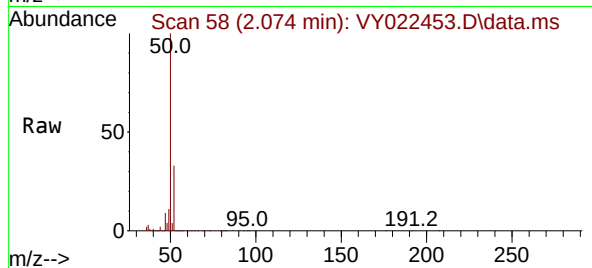
Tgt Ion: 85 Resp: 96102
Ion Ratio Lower Upper
85 100
87 31.6 16.4 49.2





#3
Chloromethane
Concen: 46.008 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

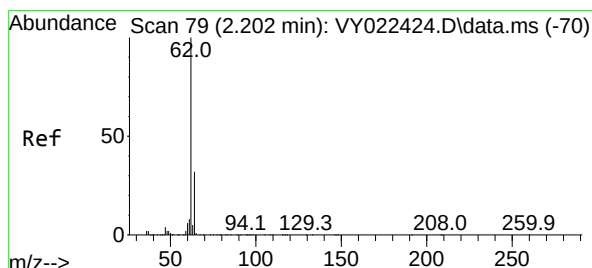
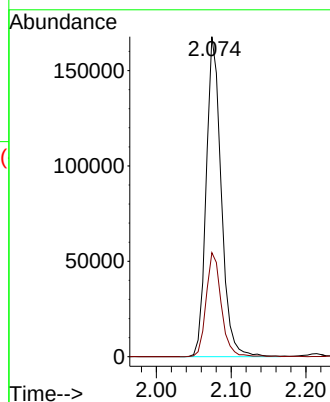
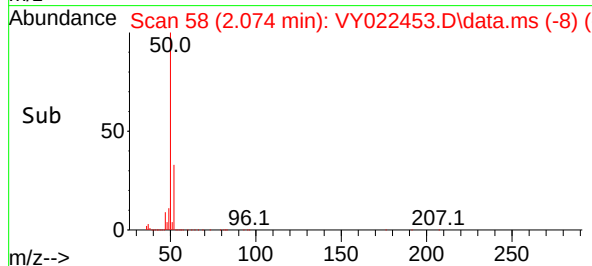
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 234378
Ion Ratio Lower Upper
50 100
52 32.5 25.5 38.3

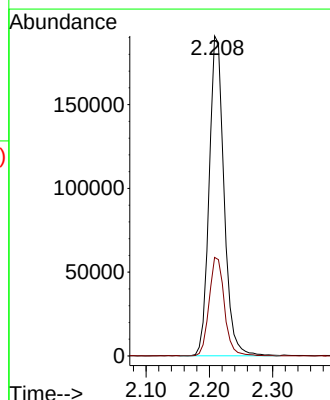
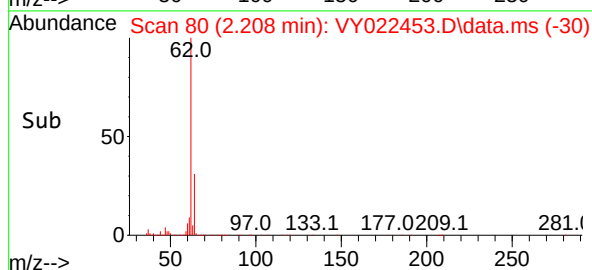
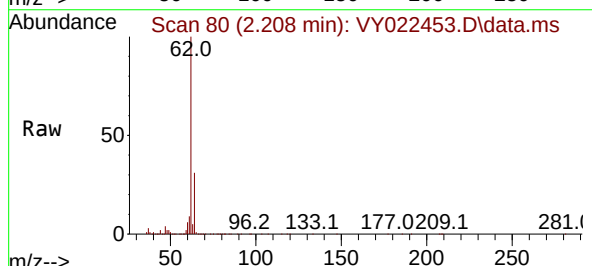
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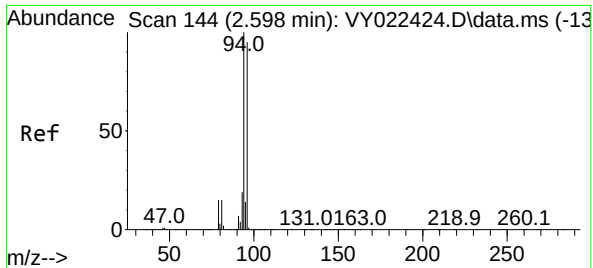
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#4
Vinyl Chloride
Concen: 50.535 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Tgt Ion: 62 Resp: 312744
Ion Ratio Lower Upper
62 100
64 30.8 26.0 39.0





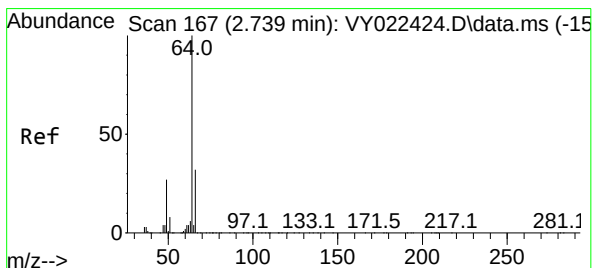
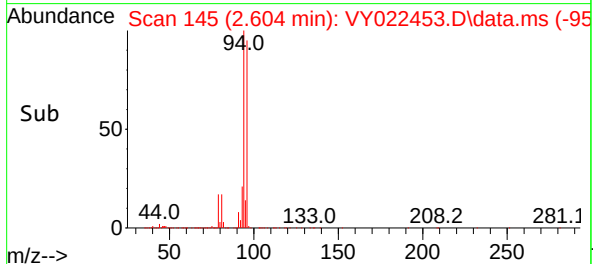
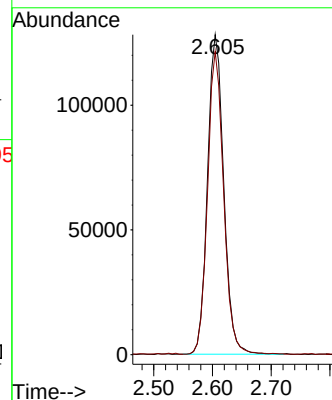
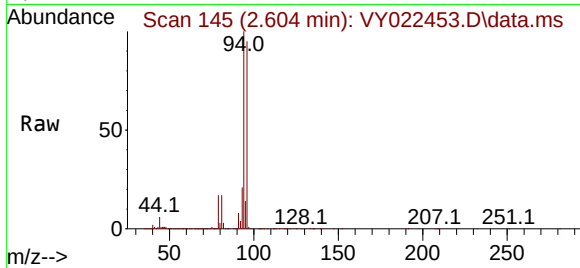
#5
Bromomethane
Concen: 43.784 ug/l
RT: 2.604 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 246230
Ion Ratio Lower Upper
94 100
96 94.7 76.0 114.0

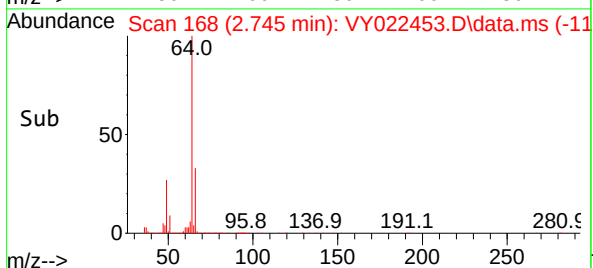
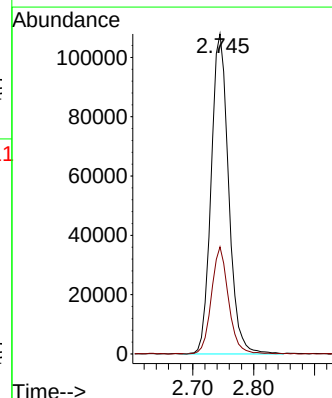
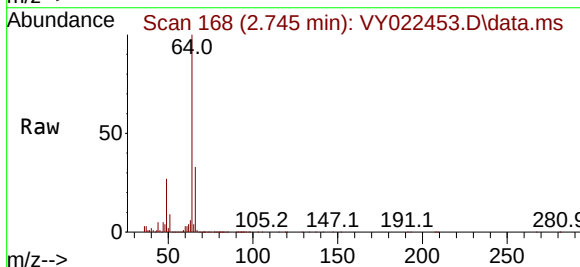
Manual Integrations
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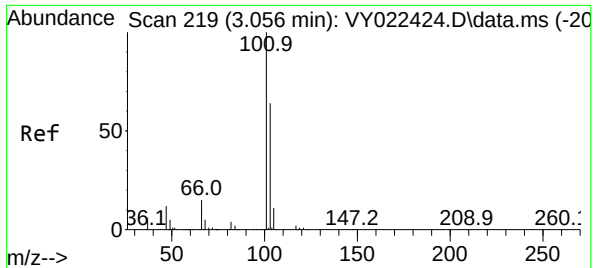
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#6
Chloroethane
Concen: 53.233 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Tgt Ion: 64 Resp: 215276
Ion Ratio Lower Upper
64 100
66 33.3 25.9 38.9





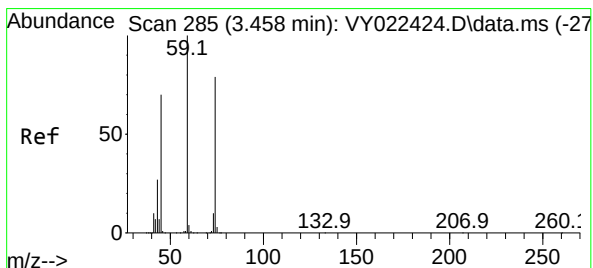
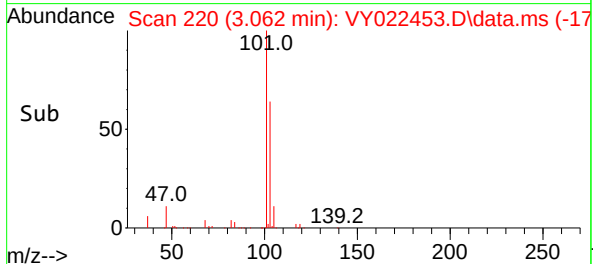
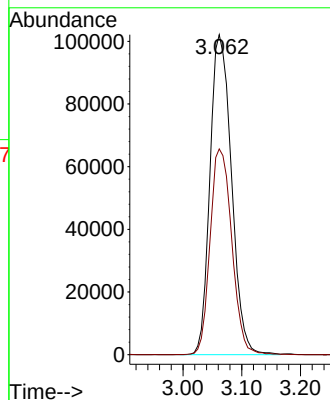
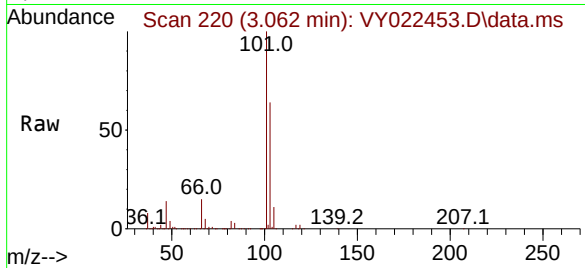
#7
 Trichlorofluoromethane
 Concen: 49.675 ug/l
 RT: 3.062 min Scan# 219
 Delta R.T. 0.006 min
 Lab File: VY022453.D
 Acq: 29 May 2025 08:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 25938
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.9 76.3

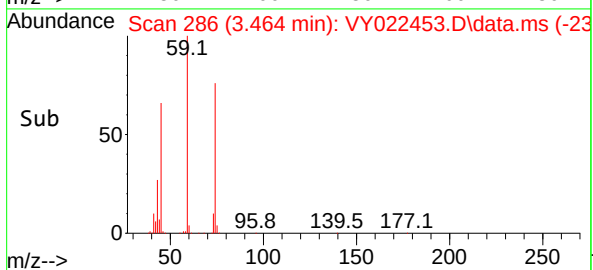
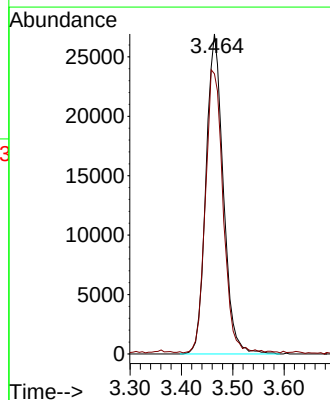
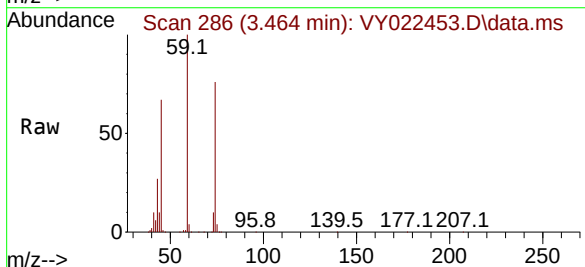
Manual Integrations
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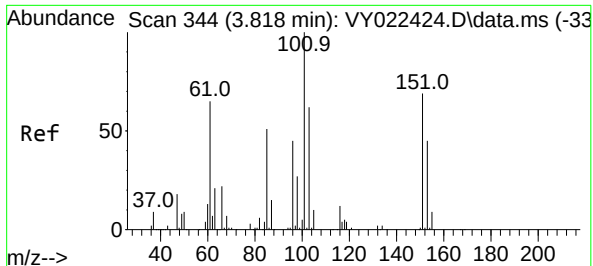
Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#8
 Diethyl Ether
 Concen: 52.335 ug/l
 RT: 3.464 min Scan# 286
 Delta R.T. 0.006 min
 Lab File: VY022453.D
 Acq: 29 May 2025 08:23

Tgt Ion: 74 Resp: 63009
 Ion Ratio Lower Upper
 74 100
 45 90.5 44.9 134.5





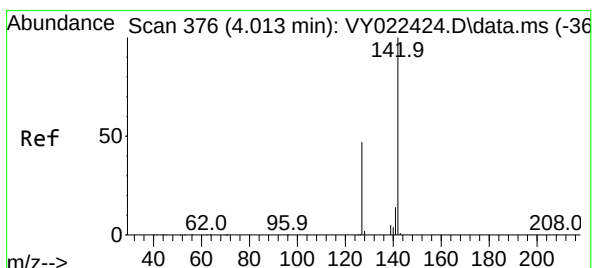
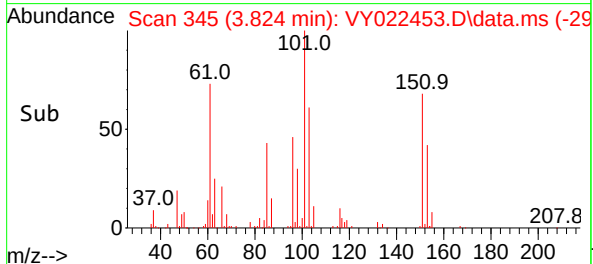
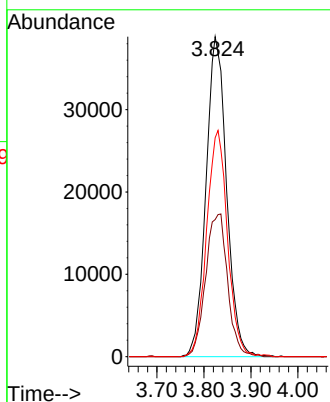
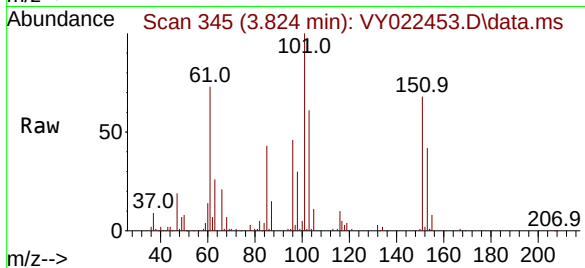
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.499 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 11797
Ion Ratio Lower Upper
101 100
85 47.8 39.2 58.8
151 71.8 58.8 88.2

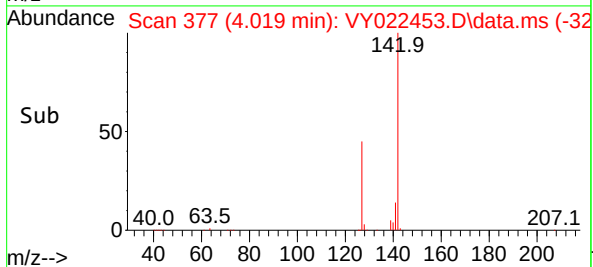
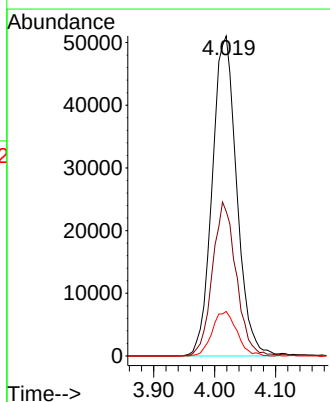
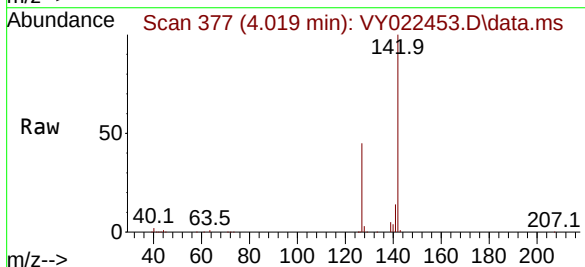
Manual Integrations
APPROVED

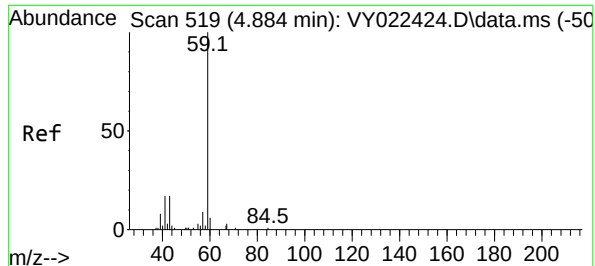
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#10
Methyl Iodide
Concen: 55.169 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Tgt Ion:142 Resp: 142579
Ion Ratio Lower Upper
142 100
127 46.8 36.2 54.4
141 14.0 11.6 17.4





#11

Tert butyl alcohol

Concen: 243.099 ug/l

RT: 4.885 min Scan# 519

Delta R.T. 0.000 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 39179

Ion Ratio Lower Upper

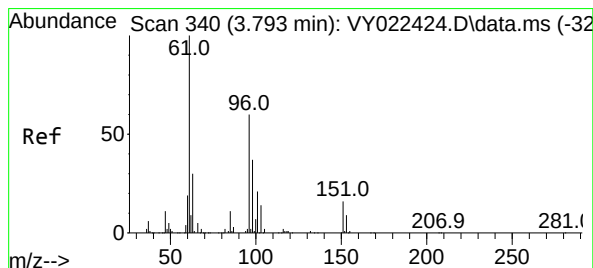
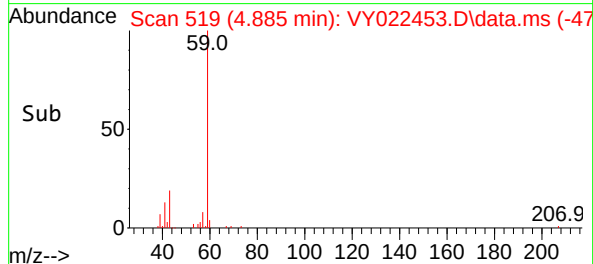
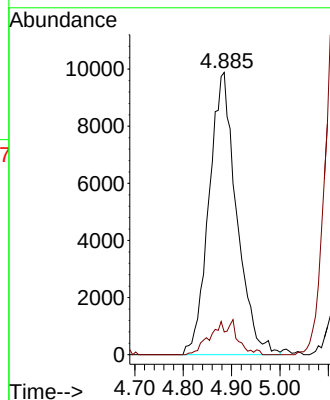
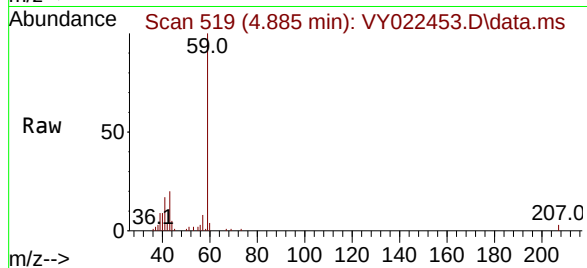
59 100

57 6.4 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#12

1,1-Dichloroethene

Concen: 51.275 ug/l

RT: 3.799 min Scan# 341

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

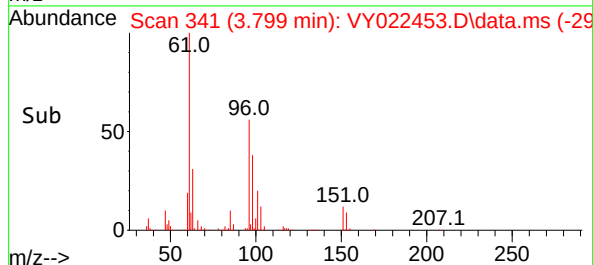
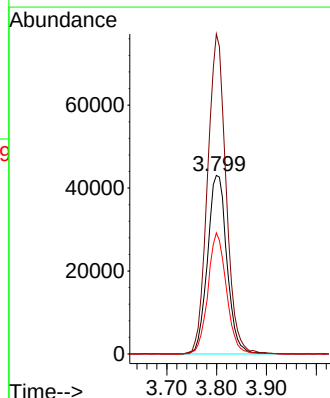
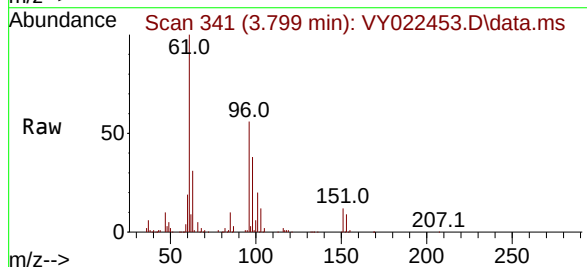
Tgt Ion: 96 Resp: 116616

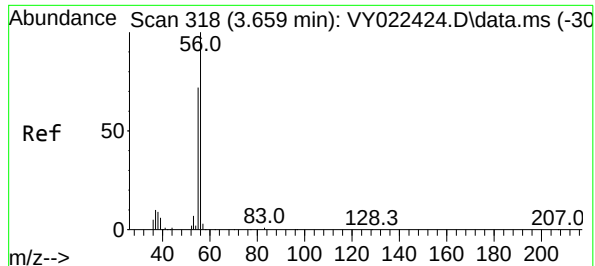
Ion Ratio Lower Upper

96 100

61 179.2 134.1 201.1

98 67.9 50.2 75.2





#13

Acrolein

Concen: 138.958 ug/l

RT: 3.665 min Scan# 318

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 3355

Ion Ratio Lower Upper

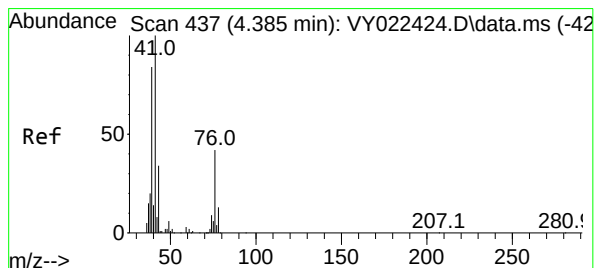
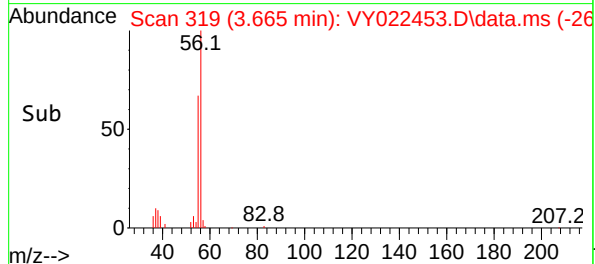
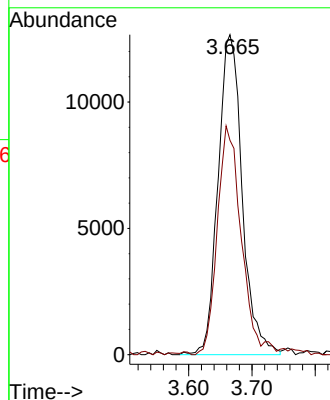
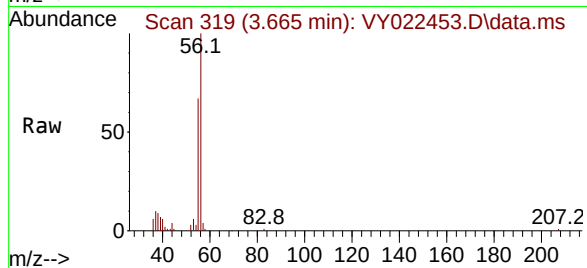
56 100

55 71.0 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#14

Allyl chloride

Concen: 53.706 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.012 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

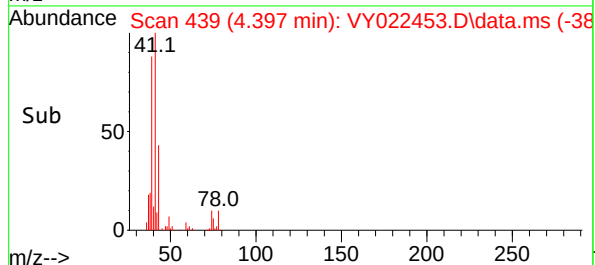
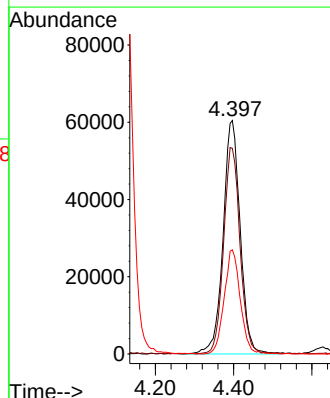
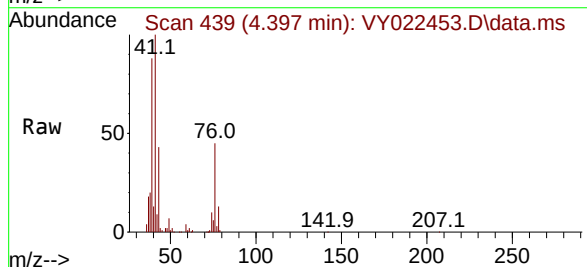
Tgt Ion: 41 Resp: 183736

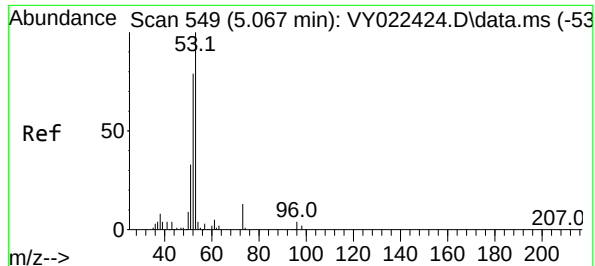
Ion Ratio Lower Upper

41 100

39 85.4 66.6 100.0

76 42.0 33.7 50.5





#15

Acrylonitrile

Concen: 260.652 ug/l

RT: 5.074 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 126492

Ion Ratio Lower Upper

53 100

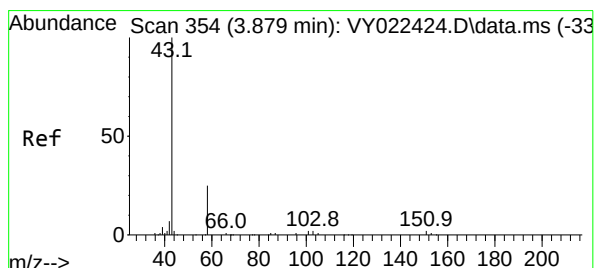
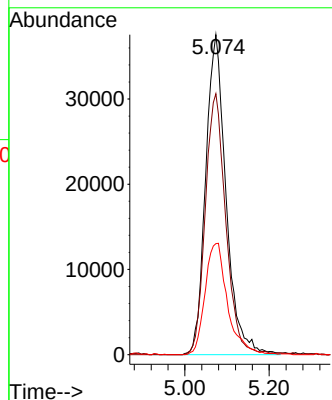
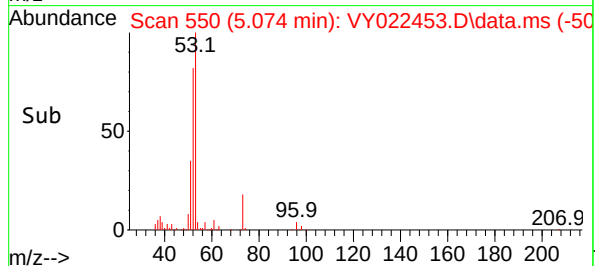
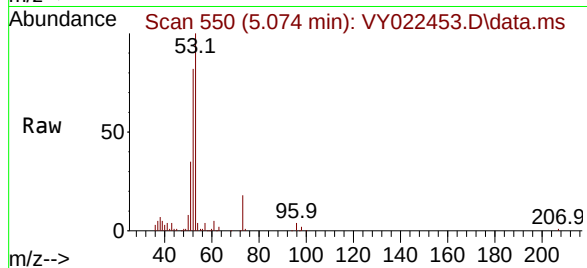
52 82.0 65.1 97.7

51 38.4 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#16

Acetone

Concen: 299.687 ug/l

RT: 3.885 min Scan# 355

Delta R.T. 0.006 min

Lab File: VY022453.D

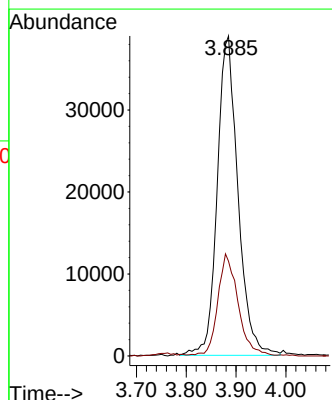
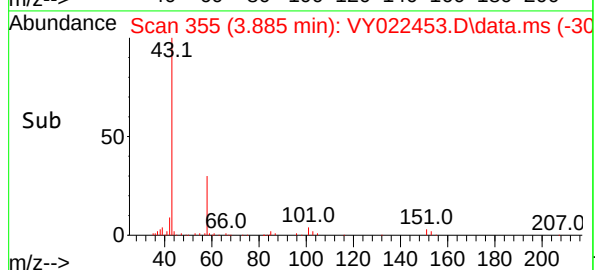
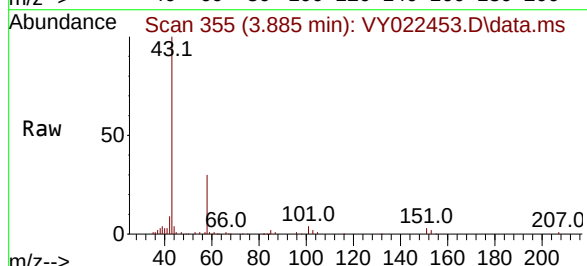
Acq: 29 May 2025 08:23

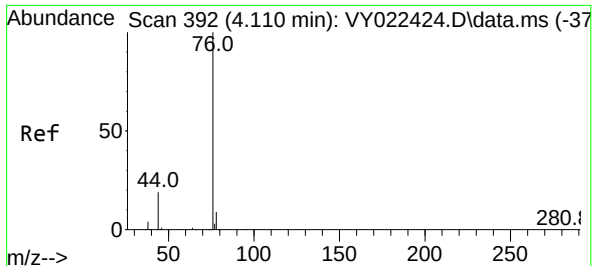
Tgt Ion: 43 Resp: 112598

Ion Ratio Lower Upper

43 100

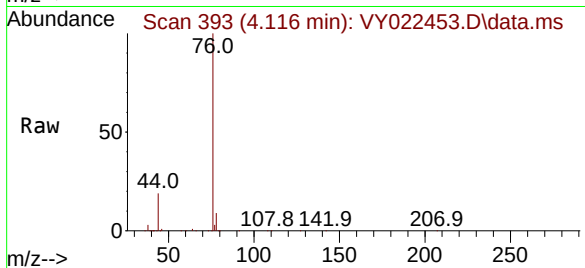
58 29.3 20.6 30.8





#17
Carbon Disulfide
Concen: 51.656 ug/l
RT: 4.116 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

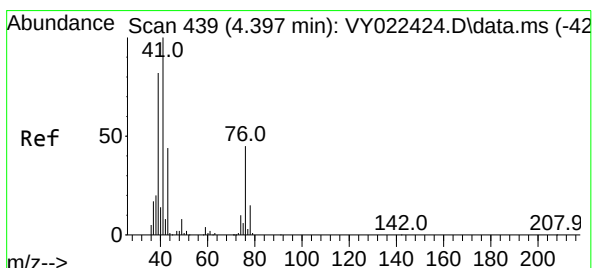
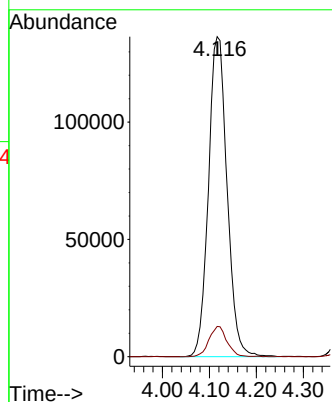
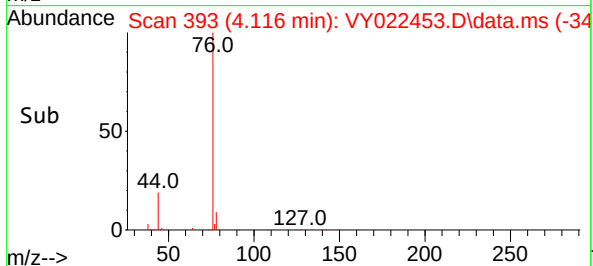
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 37490
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

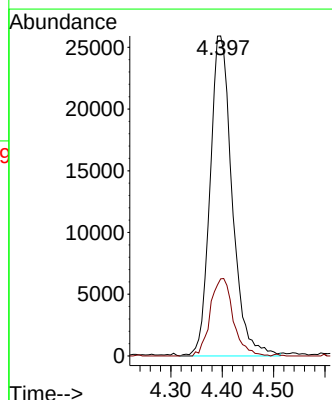
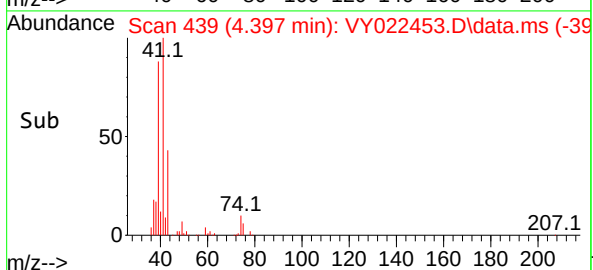
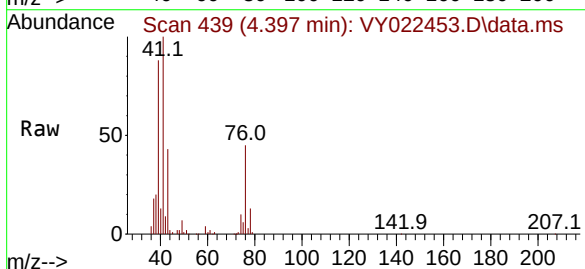
Manual Integrations
APPROVED

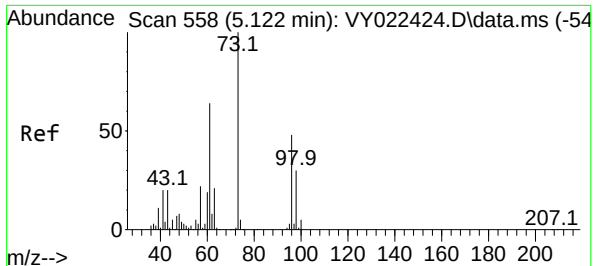
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#18
Methyl Acetate
Concen: 54.988 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Tgt Ion: 43 Resp: 77391
Ion Ratio Lower Upper
43 100
74 25.1 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 51.382 ug/l

RT: 5.128 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 31024

Ion Ratio Lower Upper

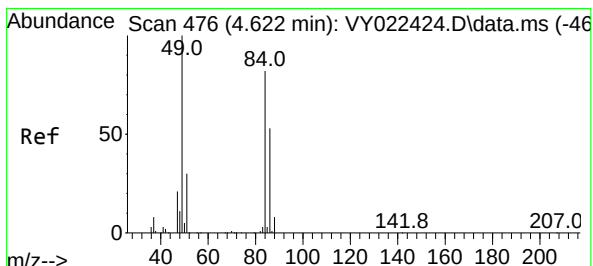
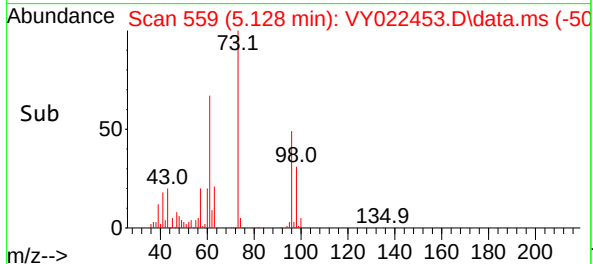
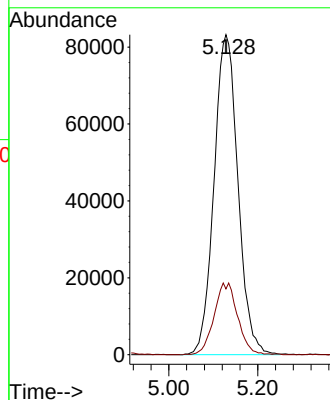
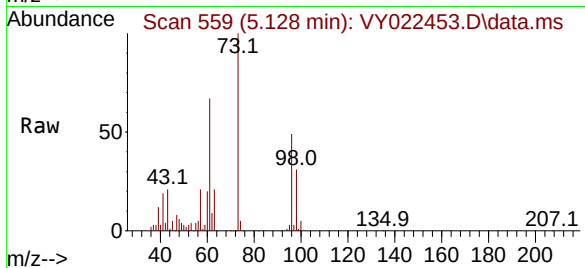
73 100

57 20.6 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#20

Methylene Chloride

Concen: 48.985 ug/l

RT: 4.629 min Scan# 477

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Tgt Ion: 84 Resp: 129965

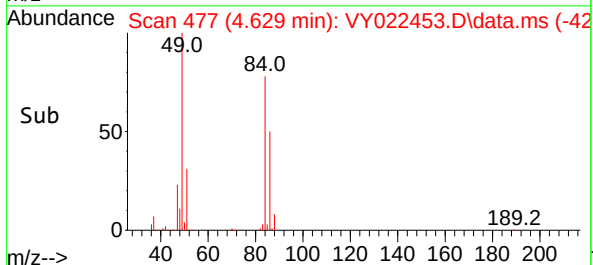
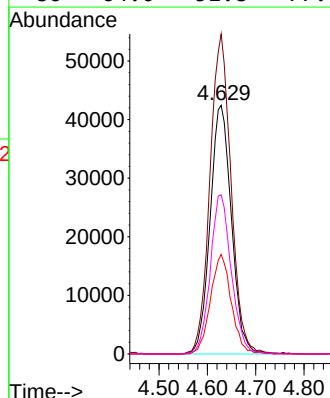
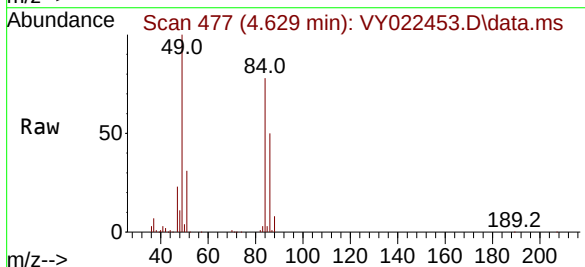
Ion Ratio Lower Upper

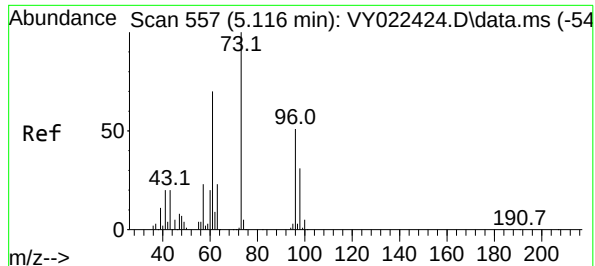
84 100

49 128.7 97.8 146.8

51 40.0 29.5 44.3

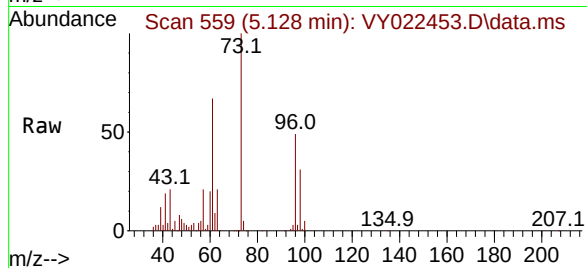
86 64.0 51.8 77.6





#21
trans-1,2-Dichloroethene
Concen: 51.821 ug/l
RT: 5.128 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

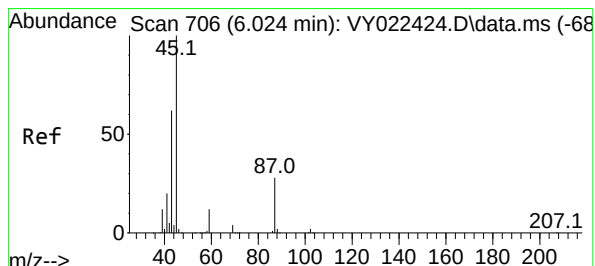
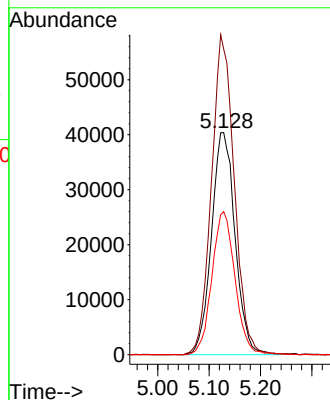
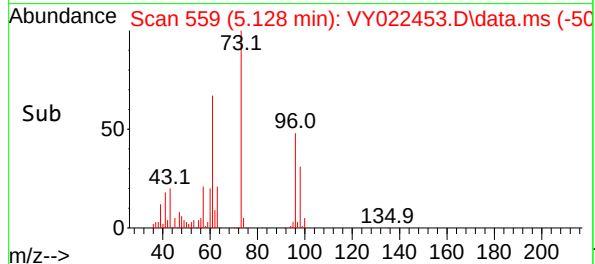
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 128668
Ion Ratio Lower Upper
96 100
61 137.6 110.4 165.6
98 64.5 48.6 73.0

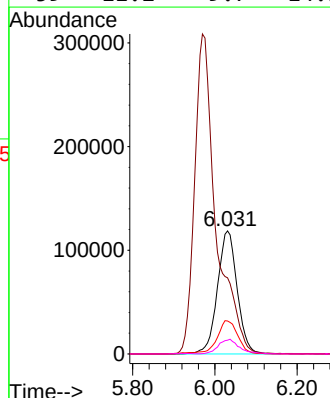
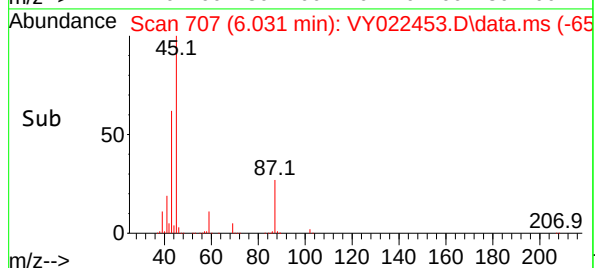
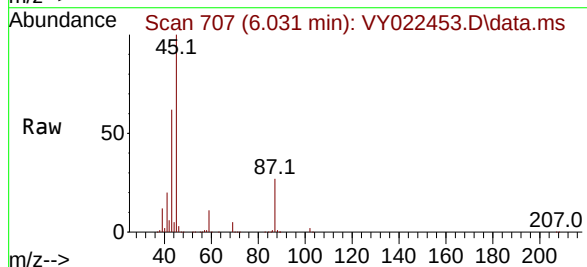
Manual Integrations
APPROVED

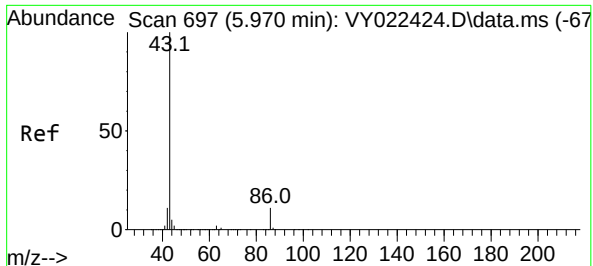
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#22
Diisopropyl ether
Concen: 52.428 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Tgt Ion: 45 Resp: 395865
Ion Ratio Lower Upper
45 100
43 61.5 49.8 74.8
87 26.8 23.0 34.6
59 11.2 9.7 14.5





#23

Vinyl Acetate

Concen: 255.731 ug/l

RT: 5.970 min Scan# 697

Delta R.T. 0.000 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1108700

Ion Ratio Lower Upper

43 100

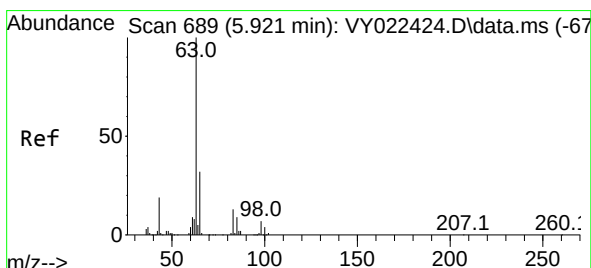
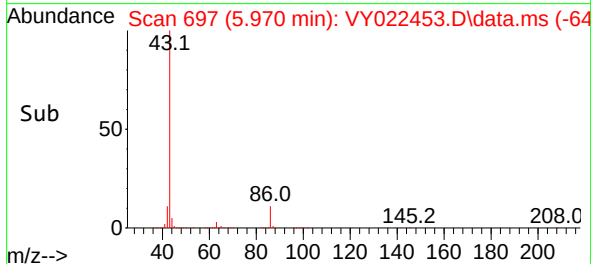
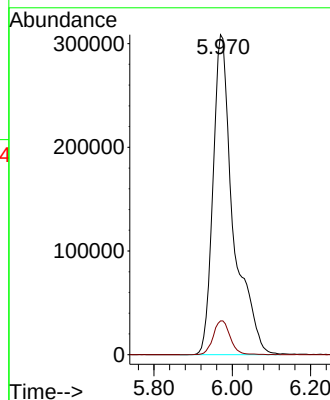
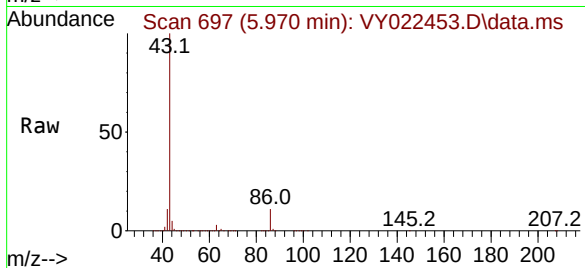
86 10.6 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#24

1,1-Dichloroethane

Concen: 53.525 ug/l

RT: 5.927 min Scan# 690

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

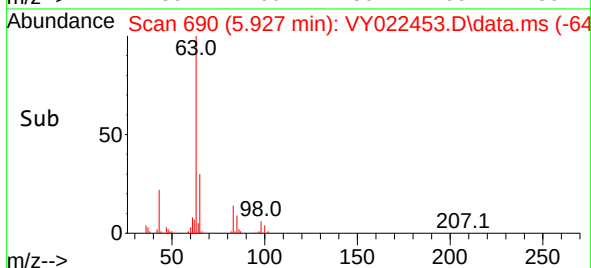
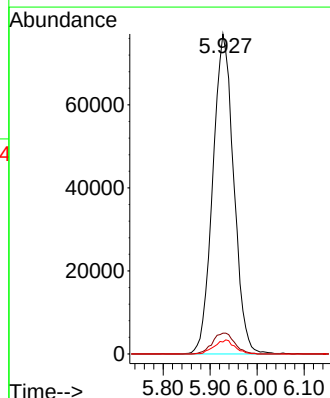
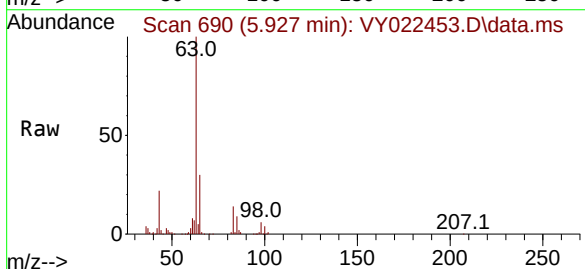
Tgt Ion: 63 Resp: 238809

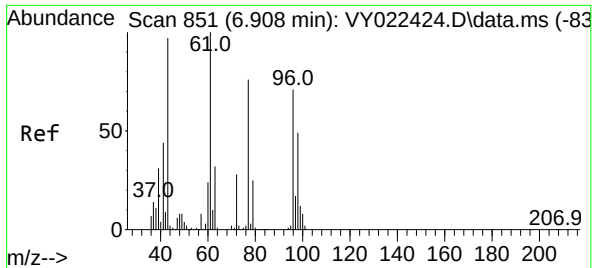
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 3.8 2.1 6.5





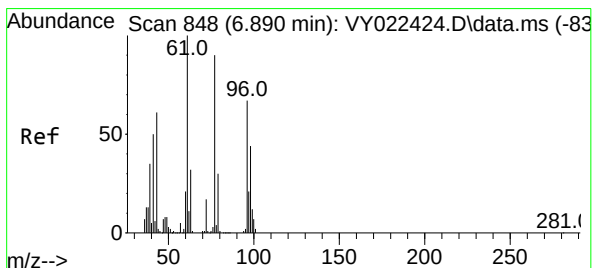
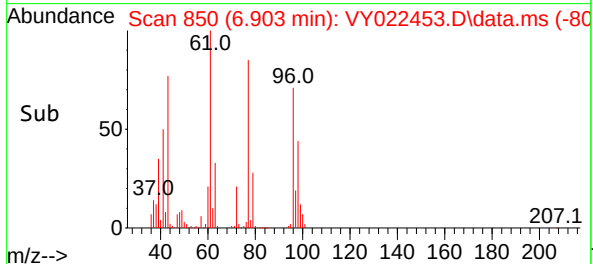
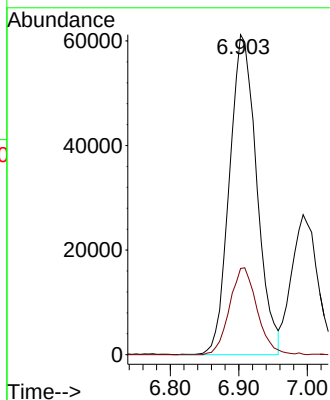
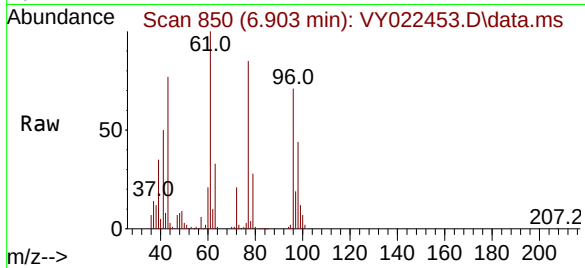
#25
2-Butanone
Concen: 270.697 ug/l
RT: 6.903 min Scan# 851
Delta R.T. -0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 16938
Ion Ratio Lower Upper
43 100
72 26.9 22.8 34.2

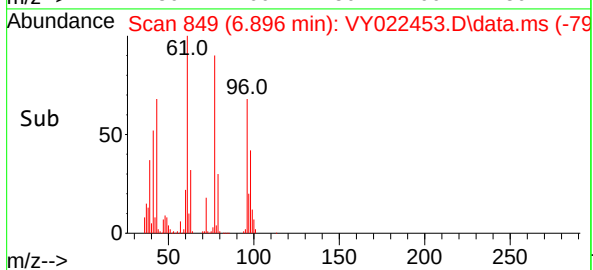
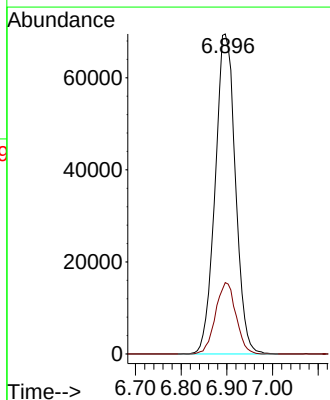
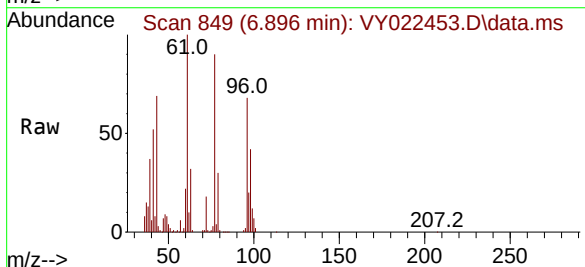
Manual Integrations
APPROVED

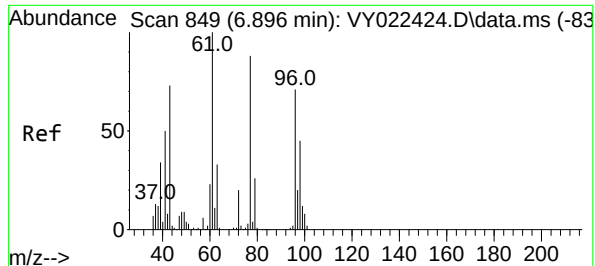
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#26
2,2-Dichloropropane
Concen: 53.021 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

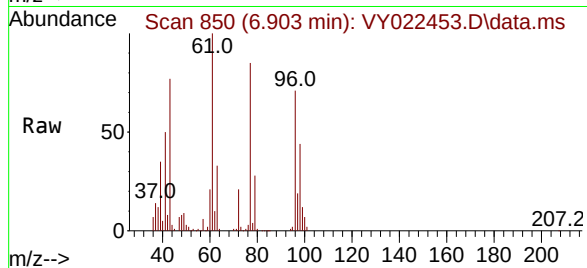
Tgt Ion: 77 Resp: 214202
Ion Ratio Lower Upper
77 100
97 22.5 11.6 34.7





#27
cis-1,2-Dichloroethene
Concen: 52.781 ug/l
RT: 6.903 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

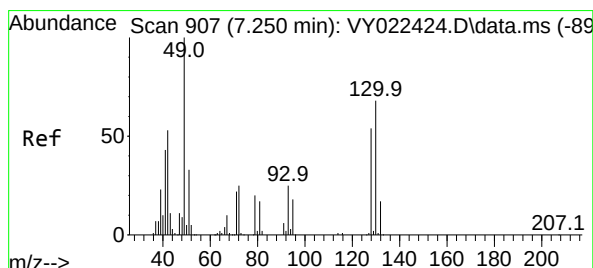
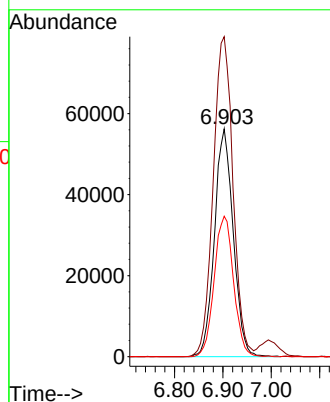
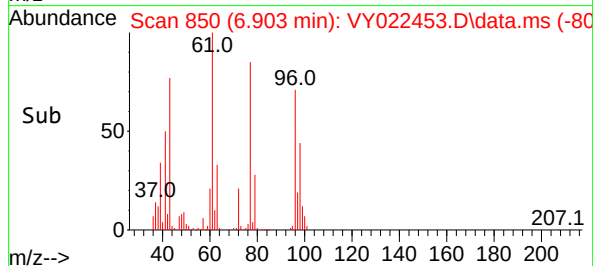
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 151712
Ion Ratio Lower Upper
96 100
61 147.7 0.0 292.0
98 63.7 0.0 131.0

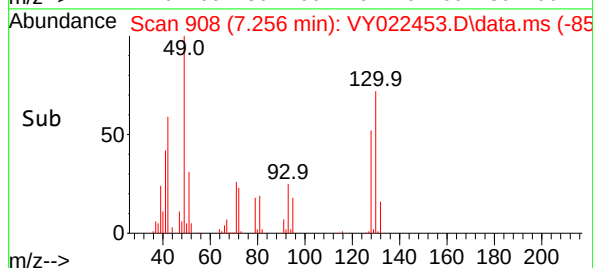
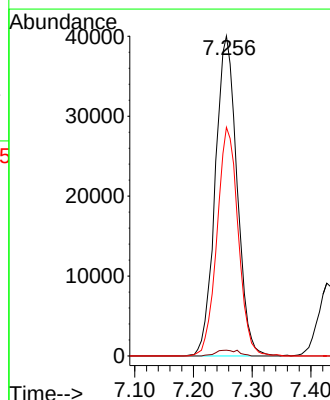
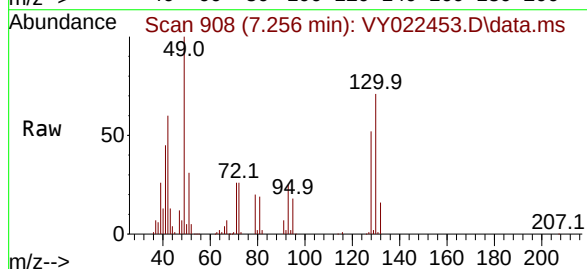
Manual Integrations
APPROVED

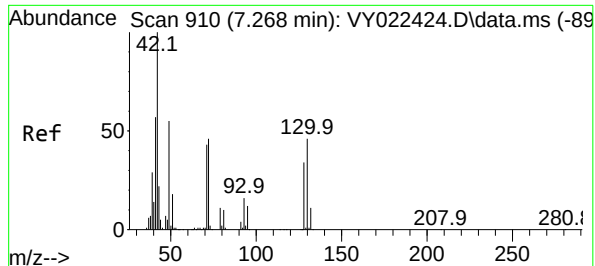
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#28
Bromochloromethane
Concen: 55.263 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Tgt Ion: 49 Resp: 102958
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.0
130 69.6 56.9 85.3





#29

Tetrahydrofuran

Concen: 256.623 ug/l

RT: 7.274 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 107092

Ion Ratio Lower Upper

42 100

72 44.5 37.7 56.5

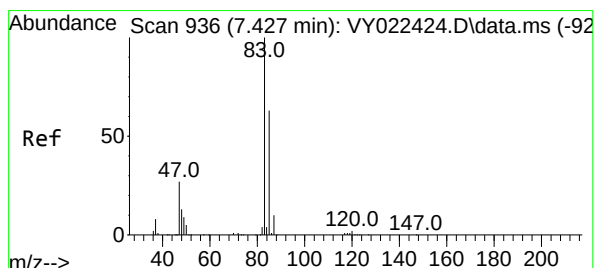
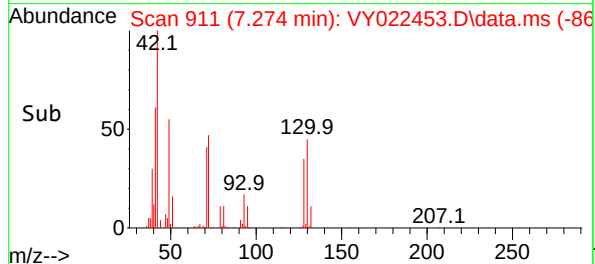
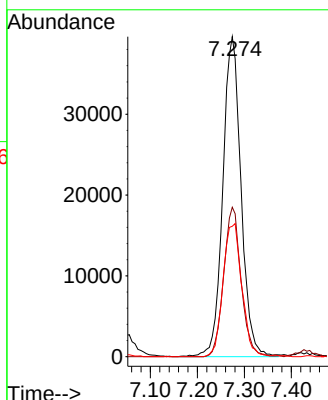
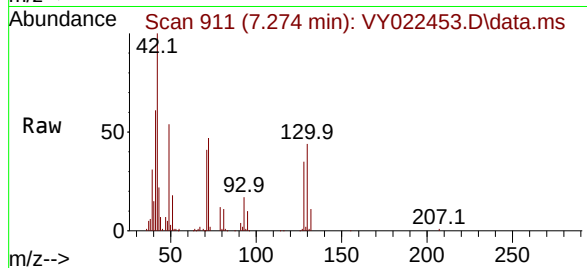
71 42.7 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#30

Chloroform

Concen: 52.831 ug/l

RT: 7.433 min Scan# 937

Delta R.T. 0.006 min

Lab File: VY022453.D

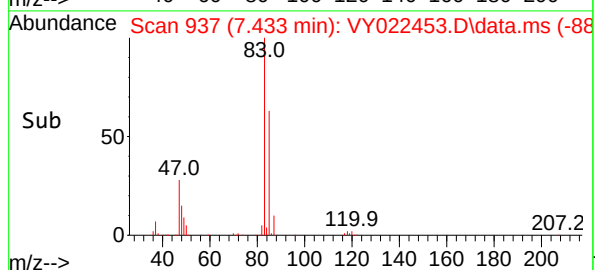
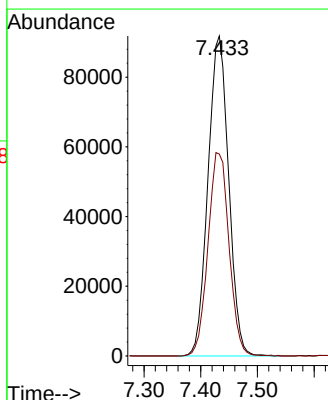
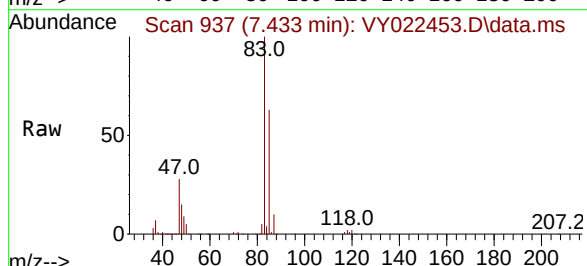
Acq: 29 May 2025 08:23

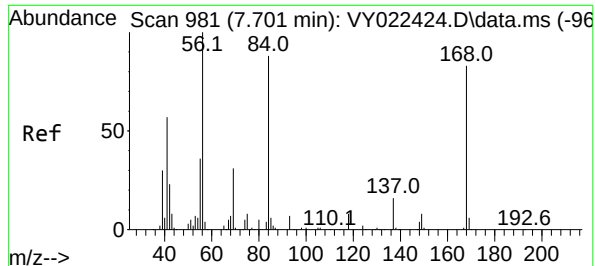
Tgt Ion: 83 Resp: 232263

Ion Ratio Lower Upper

83 100

85 63.1 50.1 75.1





#31

Cyclohexane

Concen: 48.562 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 213578

Ion Ratio Lower Upper

56 100

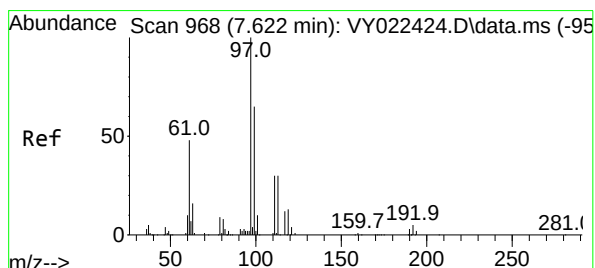
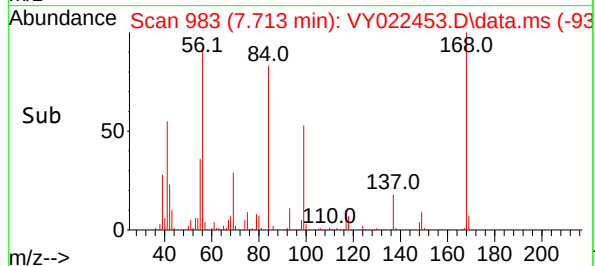
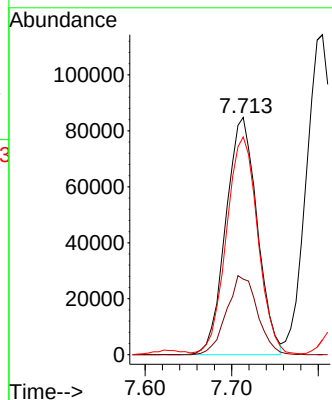
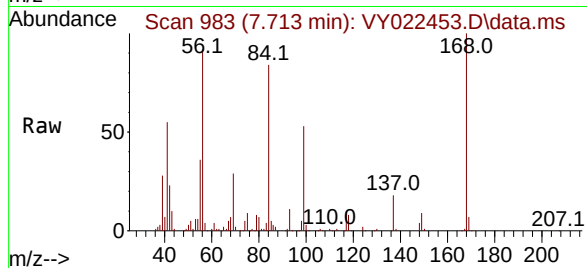
69 31.8 24.6 36.8

84 90.5 70.4 105.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#32

1,1,1-Trichloroethane

Concen: 52.490 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

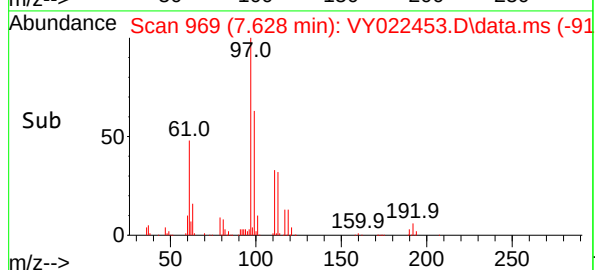
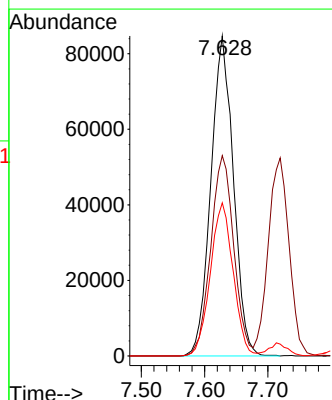
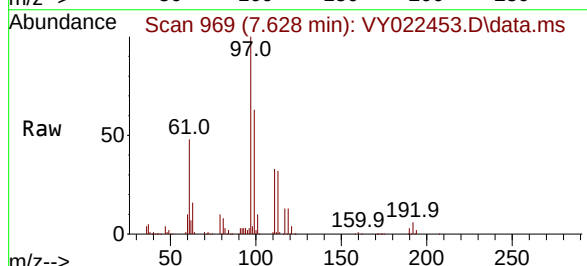
Tgt Ion: 97 Resp: 209433

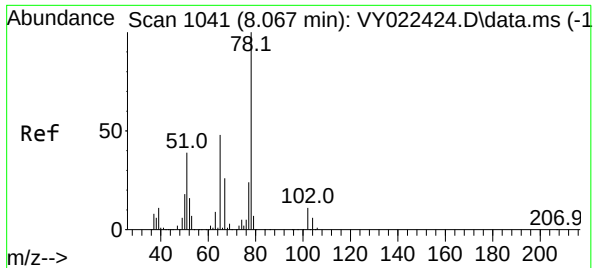
Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

61 48.4 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 51.485 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 117718

Ion Ratio Lower Upper

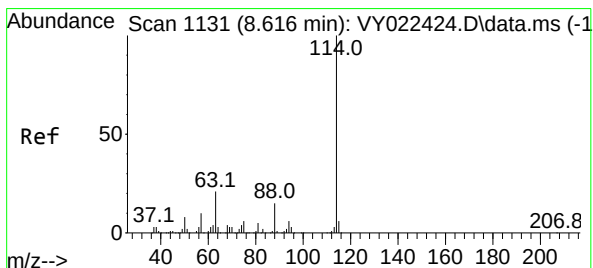
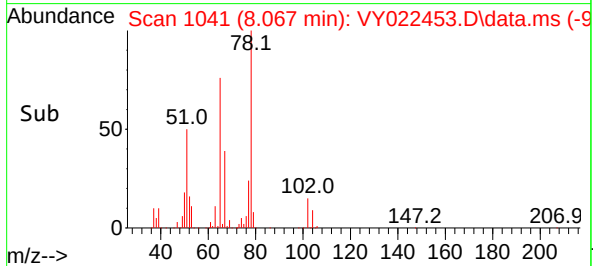
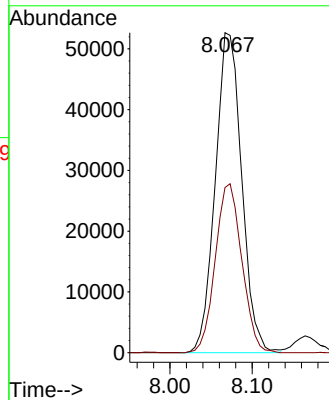
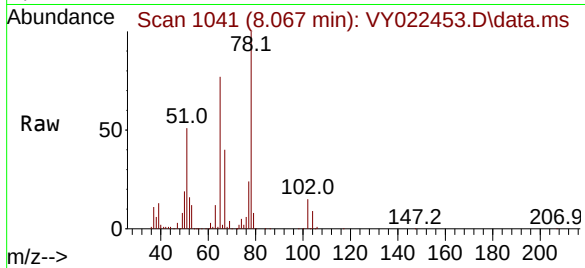
65 100

67 53.0 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

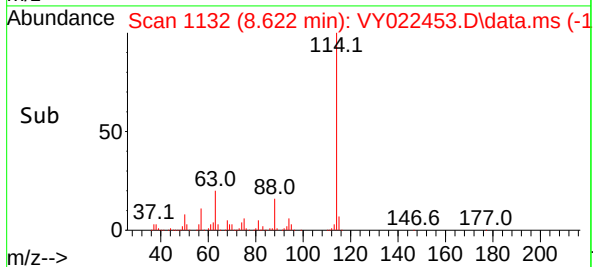
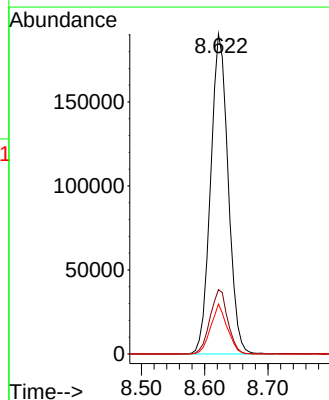
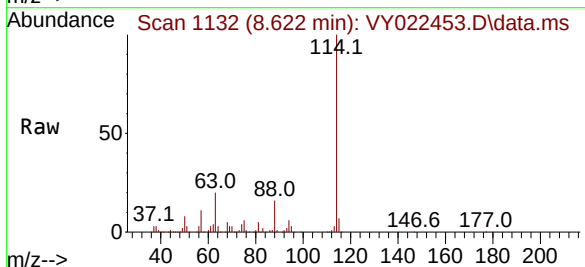
Tgt Ion:114 Resp: 367403

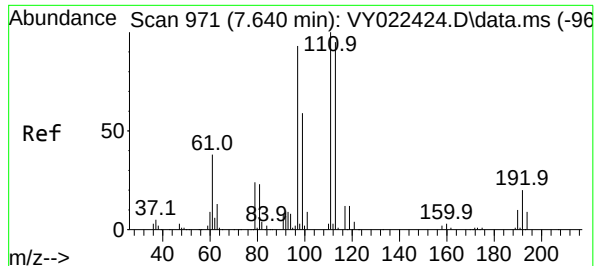
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 15.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.078 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 109900

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

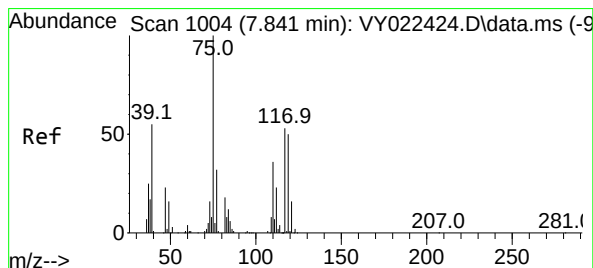
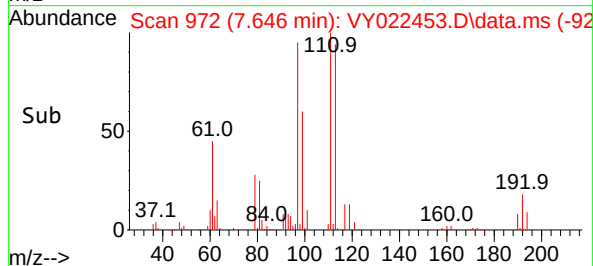
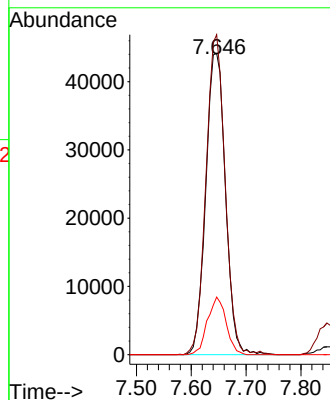
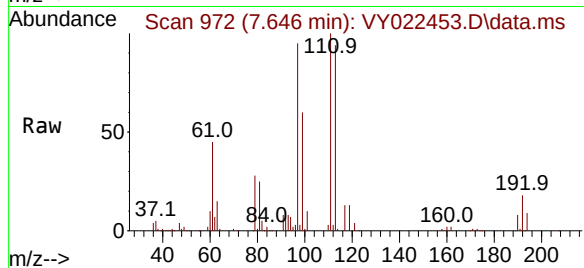
192 18.2 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#36

1,1-Dichloropropene

Concen: 51.977 ug/l

RT: 7.847 min Scan# 1005

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

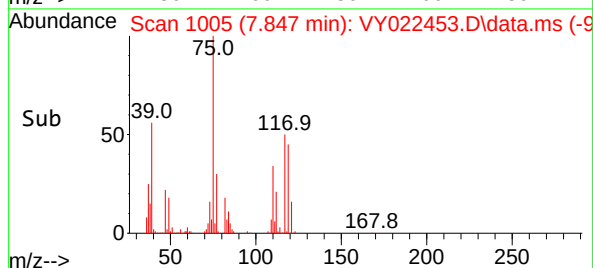
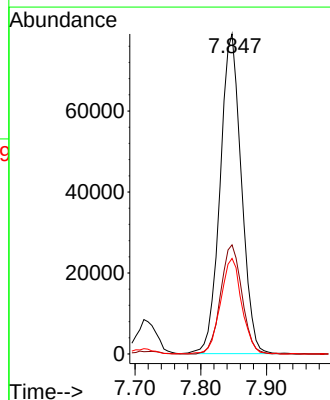
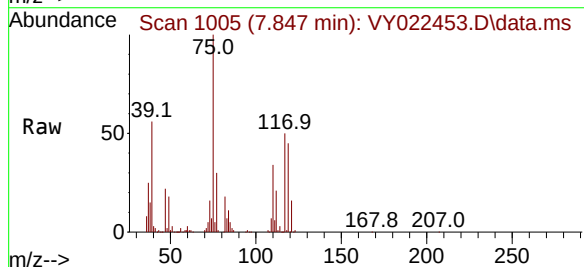
Tgt Ion: 75 Resp: 177465

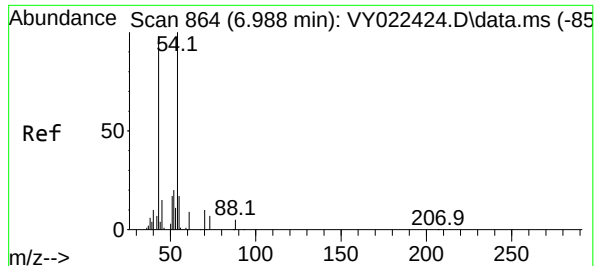
Ion Ratio Lower Upper

75 100

110 34.3 17.1 51.2

77 30.0 25.1 37.7





#37

Ethyl Acetate

Concen: 50.504 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 7328

Ion Ratio Lower Upper

43 100

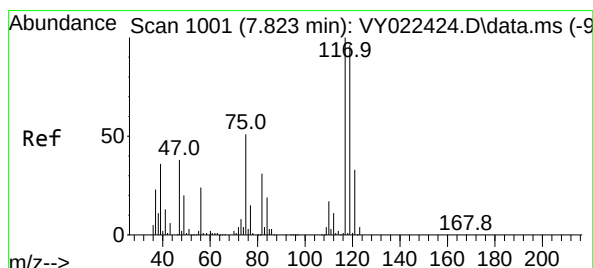
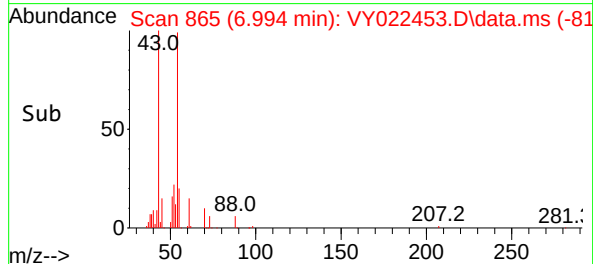
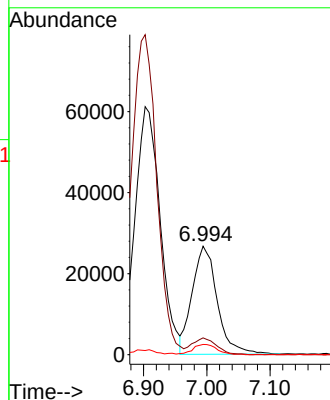
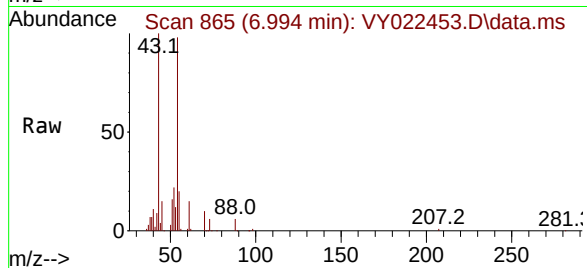
61 15.1 11.7 17.5

70 9.3 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#38

Carbon Tetrachloride

Concen: 52.449 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

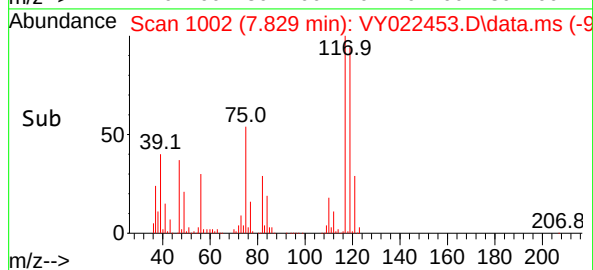
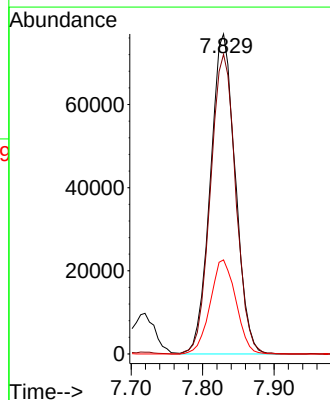
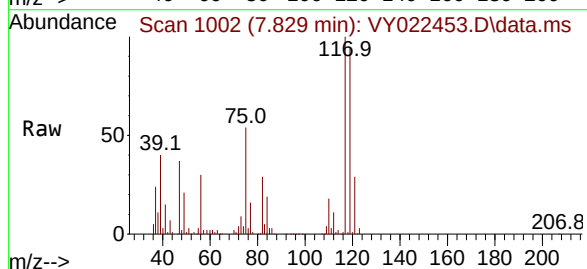
Tgt Ion:117 Resp: 186546

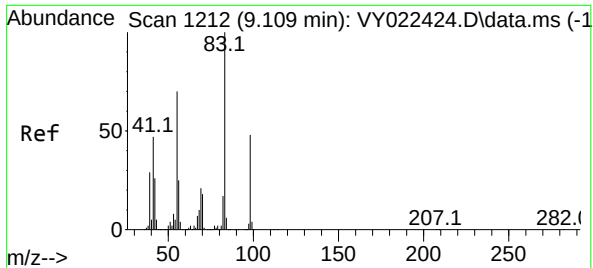
Ion Ratio Lower Upper

117 100

119 93.6 76.3 114.5

121 29.4 26.1 39.1





#39

Methylcyclohexane

Concen: 50.278 ug/l

RT: 9.116 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022453.D

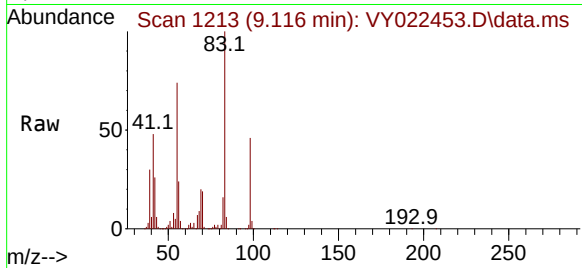
Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 83 Resp: 22818

Ion Ratio Lower Upper

83 100

55 74.4 56.2 84.2

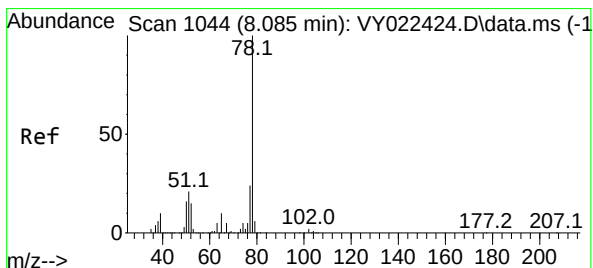
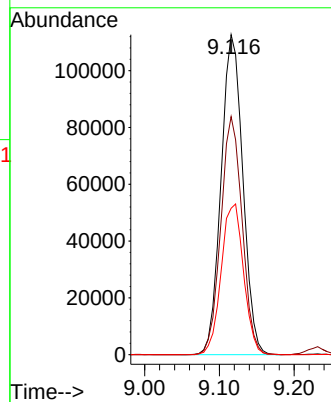
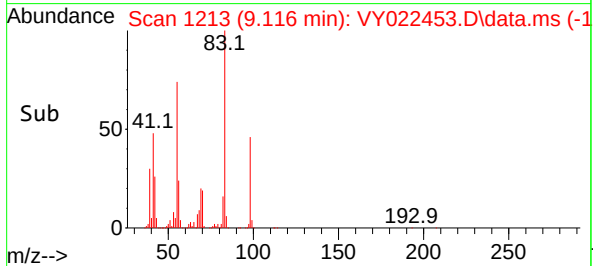
98 45.7 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#40

Benzene

Concen: 52.686 ug/l

RT: 8.091 min Scan# 1045

Delta R.T. 0.006 min

Lab File: VY022453.D

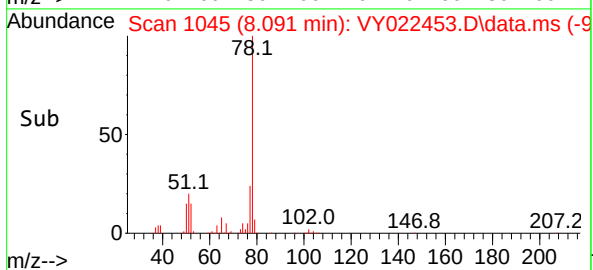
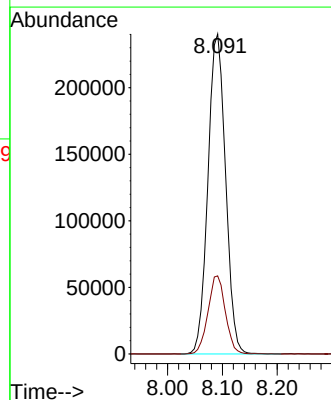
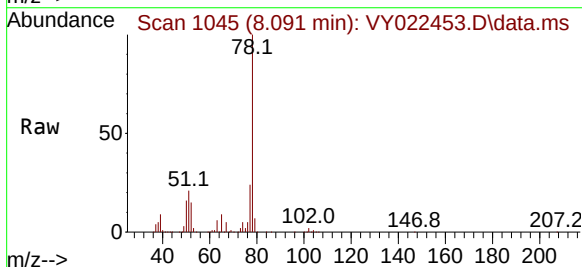
Acq: 29 May 2025 08:23

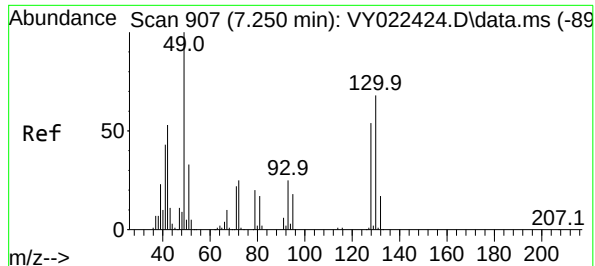
Tgt Ion: 78 Resp: 535259

Ion Ratio Lower Upper

78 100

77 24.4 19.4 29.2





#41

Methacrylonitrile

Concen: 52.208 ug/l m

RT: 7.232 min Scan# 904

Delta R.T. -0.018 min

Lab File: VY022453.D

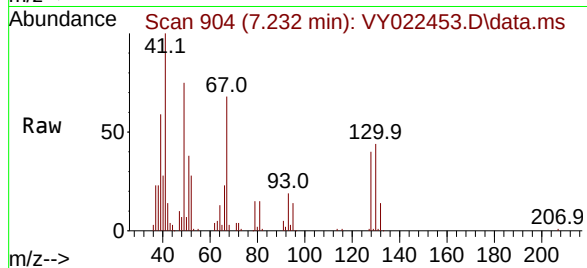
Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 41 Resp: 45979

Ion Ratio Lower Upper

41 100

39 66.2 40.4 60.6

67 0.0 53.0 79.4

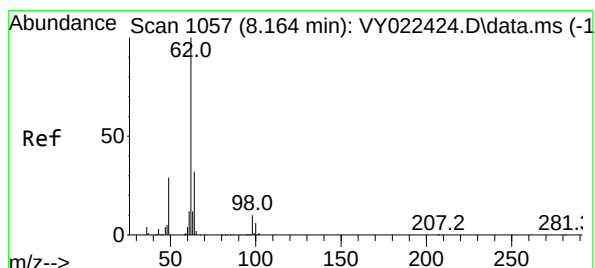
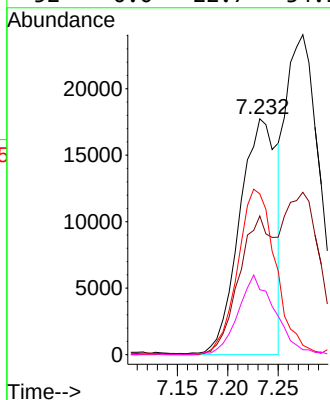
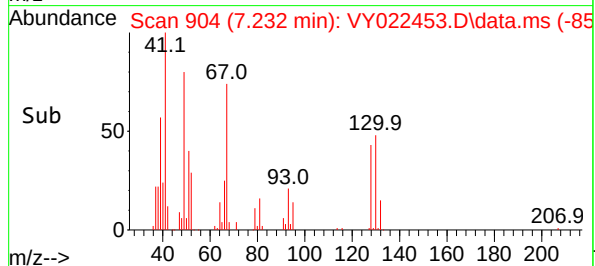
52 0.0 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#42

1,2-Dichloroethane

Concen: 51.926 ug/l

RT: 8.164 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VY022453.D

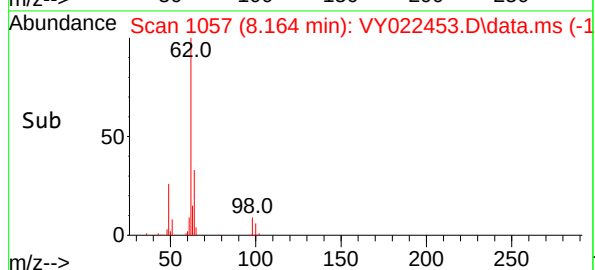
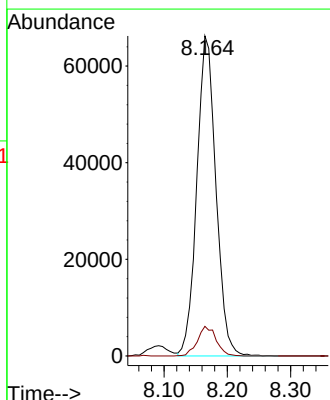
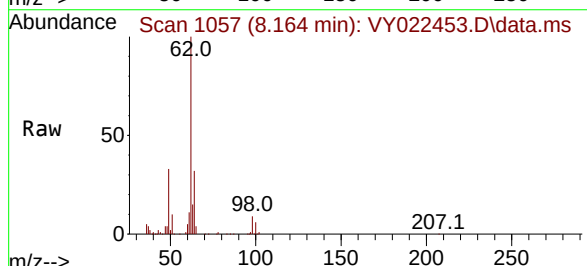
Acq: 29 May 2025 08:23

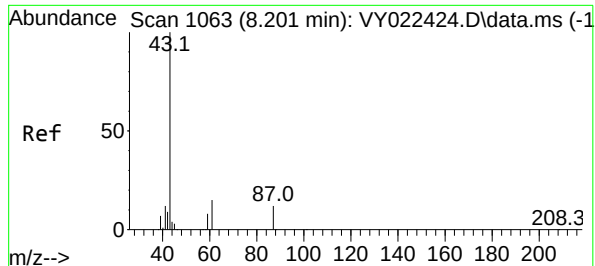
Tgt Ion: 62 Resp: 139327

Ion Ratio Lower Upper

62 100

98 9.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 50.350 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 15964

Ion Ratio Lower Upper

43 100

61 28.5 15.4 23.0

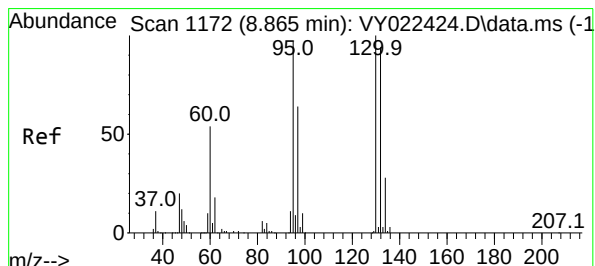
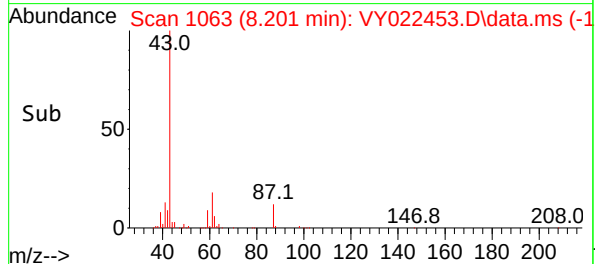
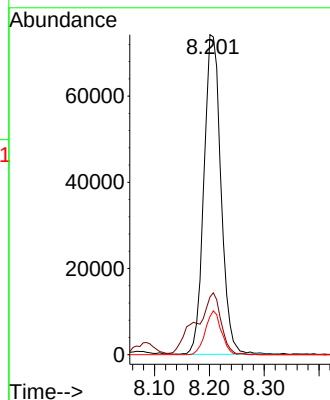
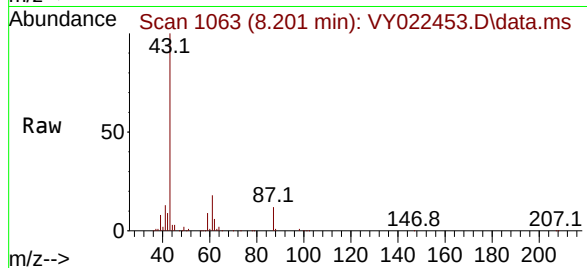
87 12.9 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#44

Trichloroethene

Concen: 51.329 ug/l

RT: 8.872 min Scan# 1173

Delta R.T. 0.006 min

Lab File: VY022453.D

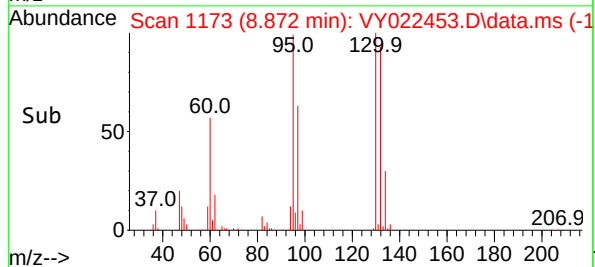
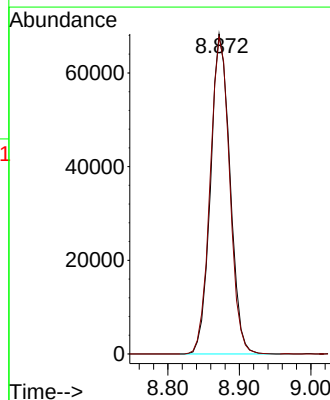
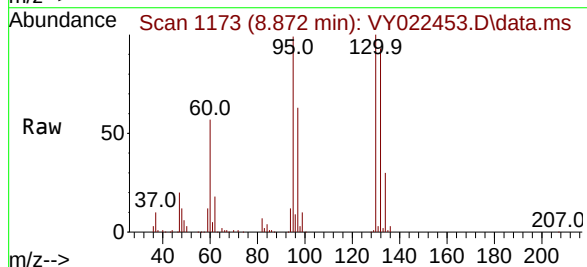
Acq: 29 May 2025 08:23

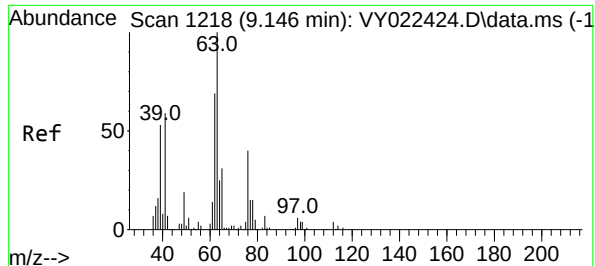
Tgt Ion:130 Resp: 128913

Ion Ratio Lower Upper

130 100

95 99.1 0.0 194.8





#45

1,2-Dichloropropane

Concen: 52.560 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 12546

Ion Ratio Lower Upper

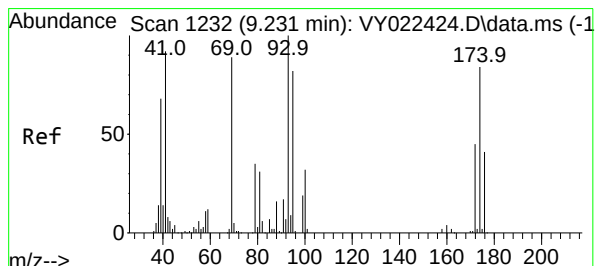
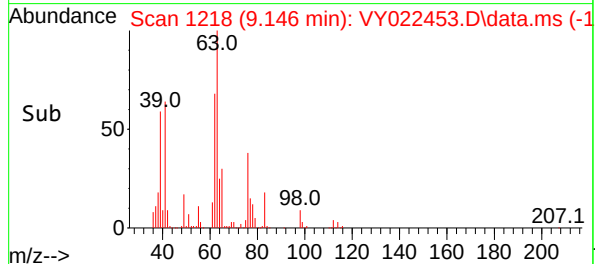
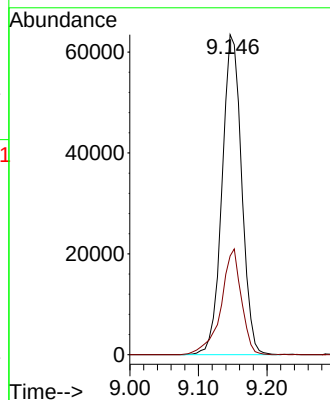
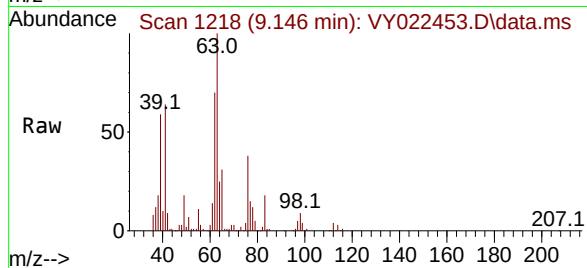
63 100

65 30.9 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#46

Dibromomethane

Concen: 51.150 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

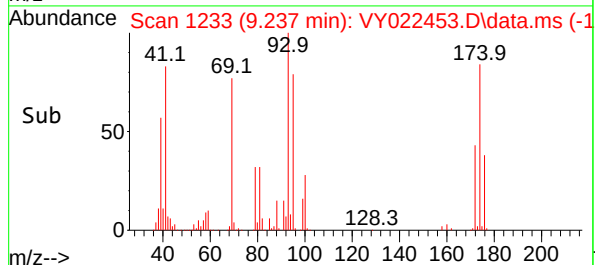
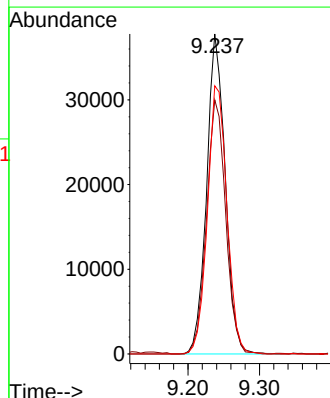
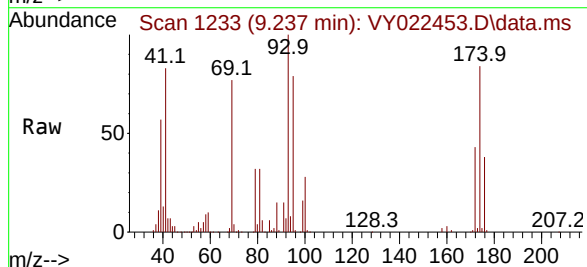
Tgt Ion: 93 Resp: 68205

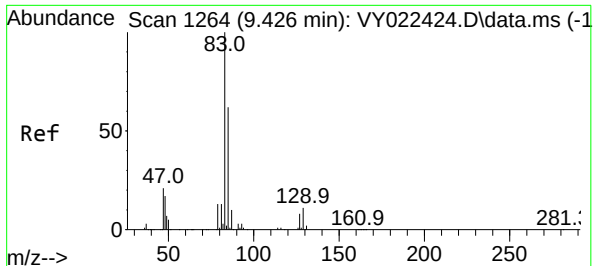
Ion Ratio Lower Upper

93 100

95 82.3 66.2 99.2

174 87.8 71.1 106.7





#47

Bromodichloromethane

Concen: 52.116 ug/l

RT: 9.433 min Scan# 1265

Delta R.T. 0.006 min

Lab File: VY022453.D

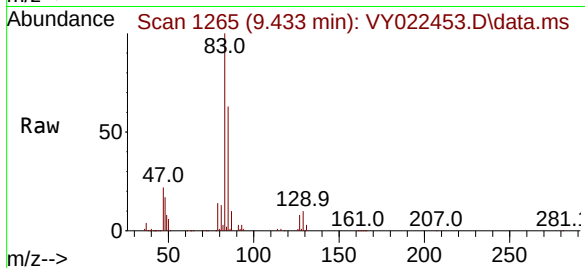
Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 83 Resp: 17870

Ion Ratio Lower Upper

83 100

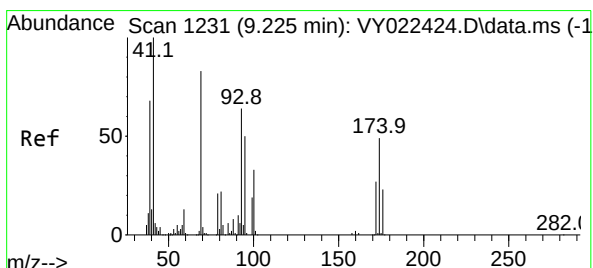
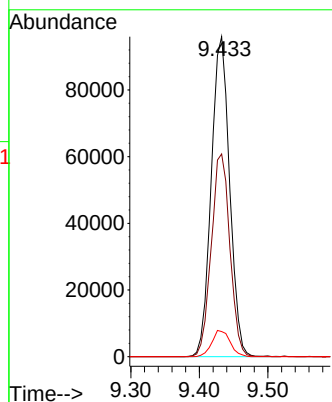
85 63.4 49.8 74.6

127 7.8 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#48

Methyl methacrylate

Concen: 52.848 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

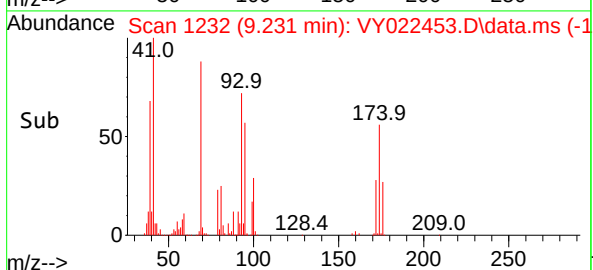
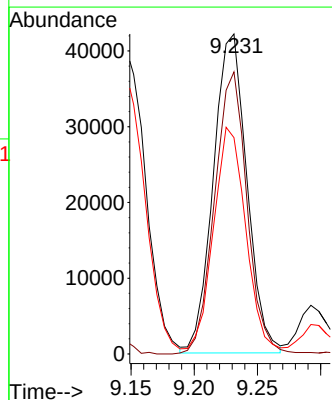
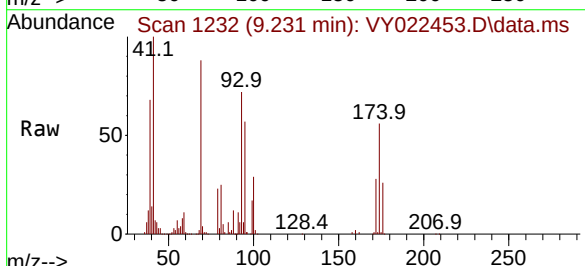
Tgt Ion: 41 Resp: 77784

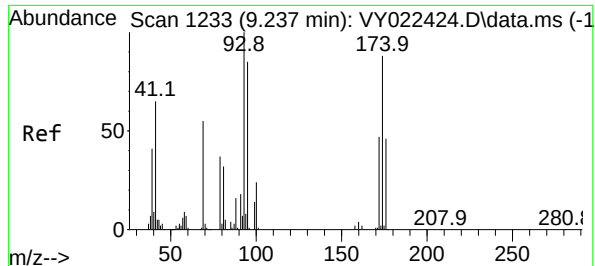
Ion Ratio Lower Upper

41 100

69 85.4 70.3 105.5

39 66.0 55.4 83.0





#49

1,4-Dioxane

Concen: 975.883 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.000 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 1437

Ion Ratio Lower Upper

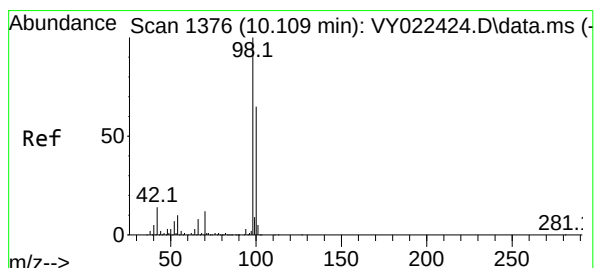
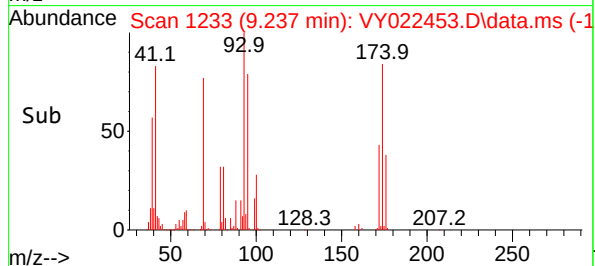
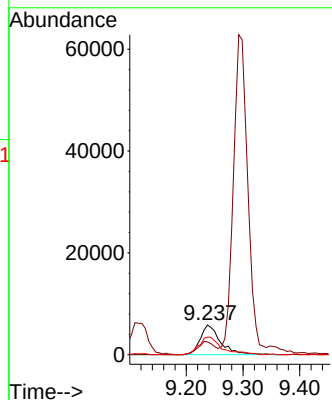
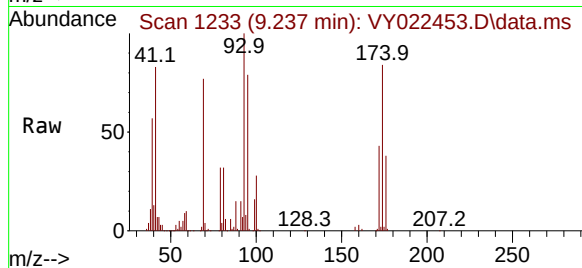
88 100

43 36.6 26.9 40.3

58 67.2 55.8 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

#50

Toluene-d8

Concen: 50.917 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY022453.D

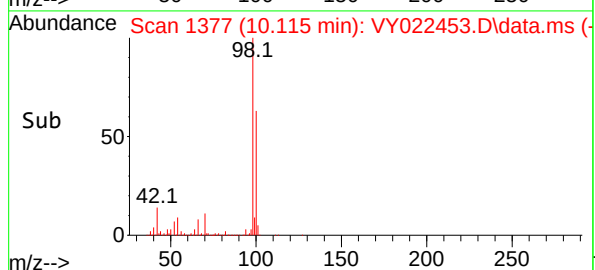
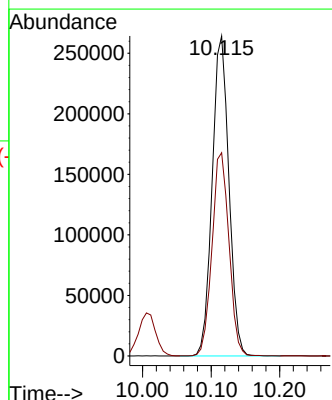
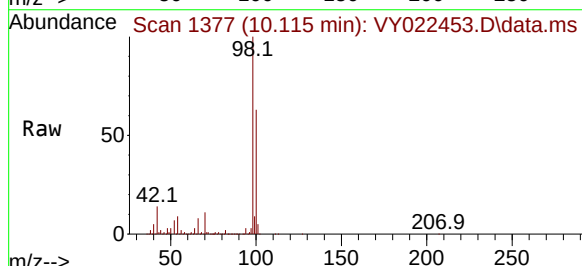
Acq: 29 May 2025 08:23

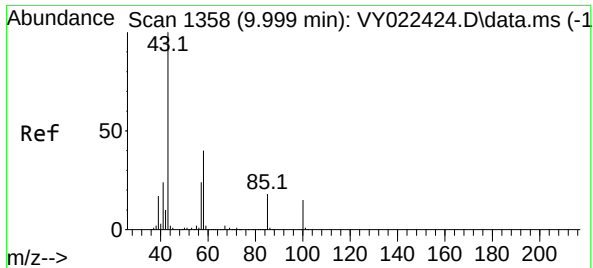
Tgt Ion: 98 Resp: 446607

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2





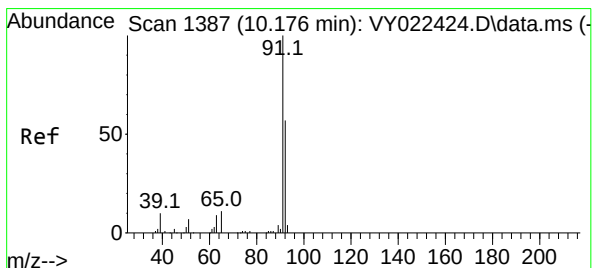
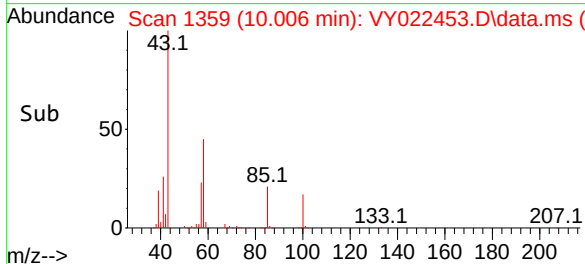
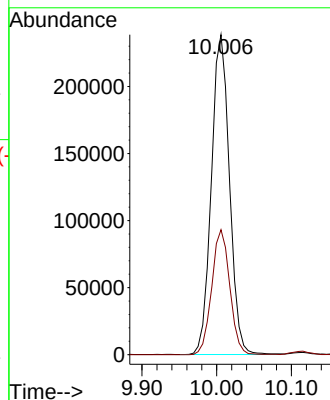
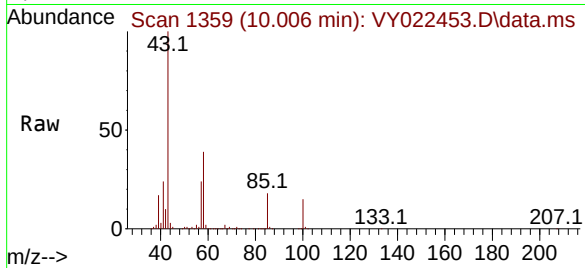
#51
4-Methyl-2-Pentanone
Concen: 257.545 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 402915
Ion Ratio Lower Upper
43 100
58 38.9 31.2 46.8

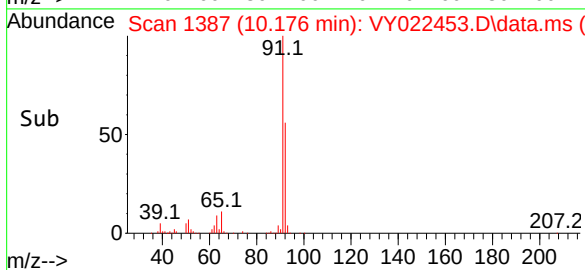
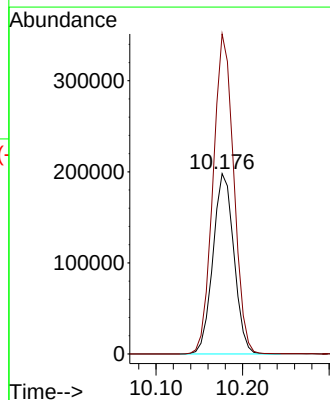
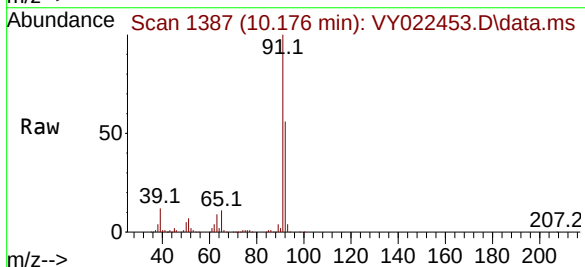
Manual Integrations
APPROVED

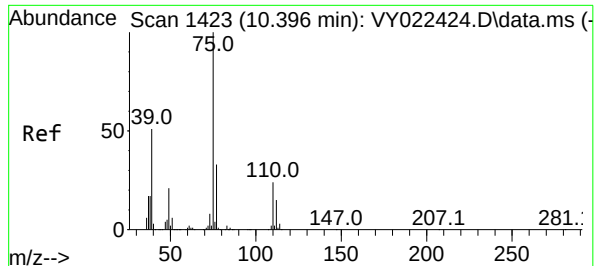
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#52
Toluene
Concen: 52.454 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

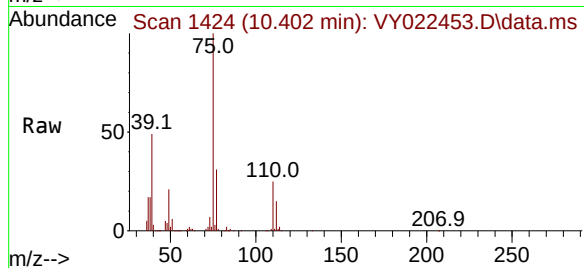
Tgt Ion: 92 Resp: 332855
Ion Ratio Lower Upper
92 100
91 175.2 139.8 209.6





#53
t-1,3-Dichloropropene
Concen: 52.136 ug/l
RT: 10.402 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

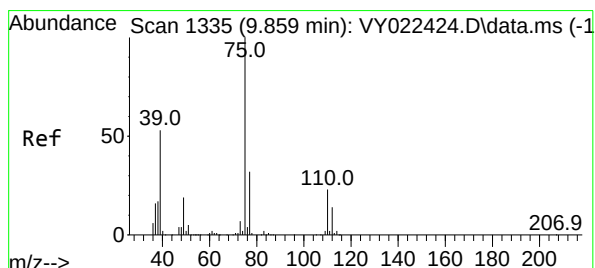
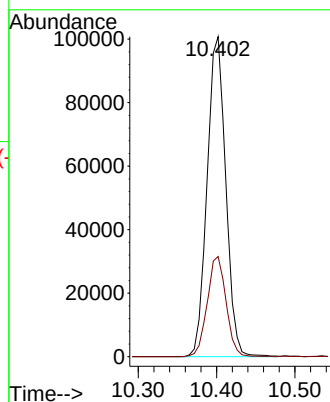
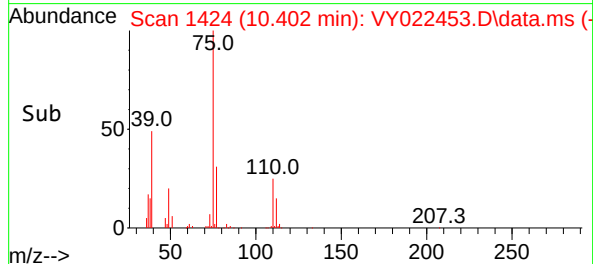
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 16652
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.2

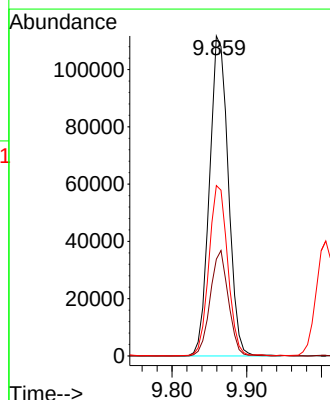
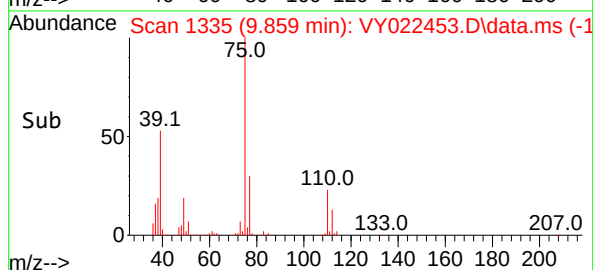
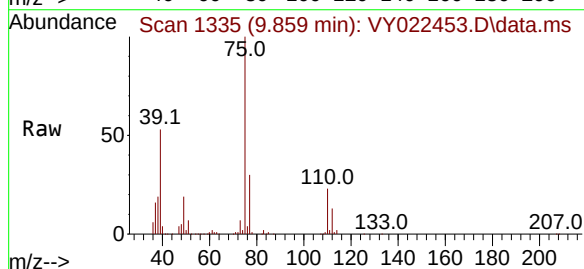
Manual Integrations
APPROVED

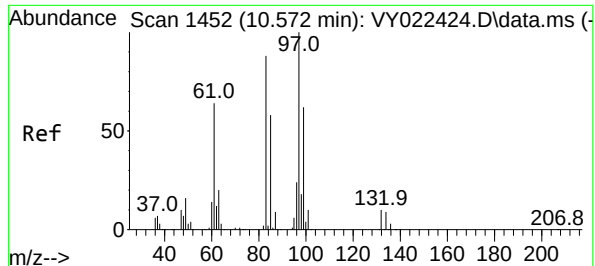
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#54
cis-1,3-Dichloropropene
Concen: 51.992 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

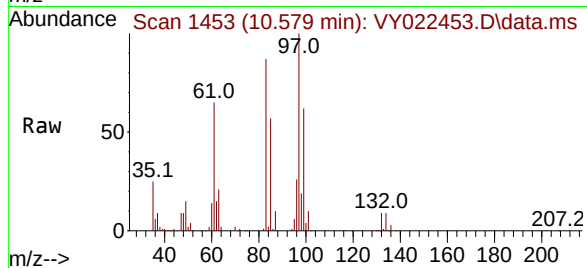
Tgt Ion: 75 Resp: 195125
Ion Ratio Lower Upper
75 100
77 30.2 25.4 38.2
39 53.1 42.5 63.7





#55
1,1,2-Trichloroethane
Concen: 51.165 ug/l
RT: 10.579 min Scan# 1453
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

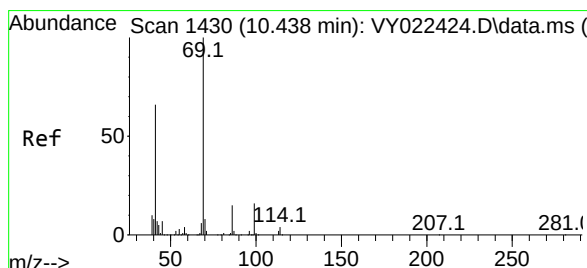
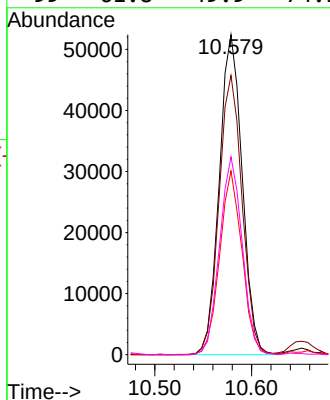
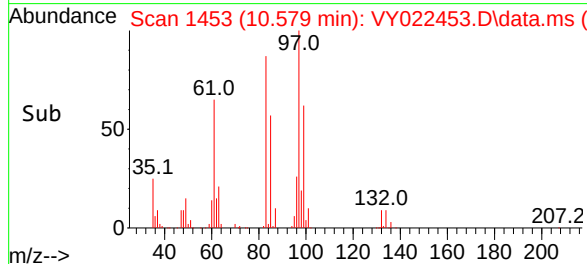
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



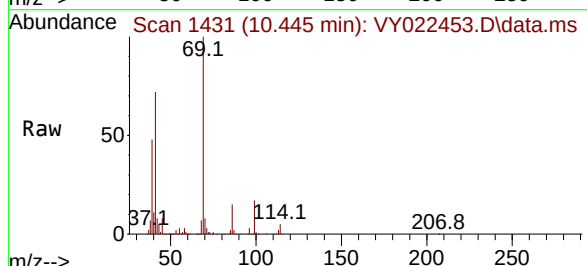
Tgt Ion: 97 Resp: 86260
Ion Ratio Lower Upper
97 100
83 87.2 70.2 105.4
85 57.3 46.1 69.1
99 61.8 49.9 74.9

Manual Integrations
APPROVED

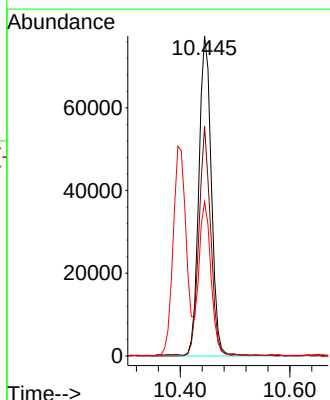
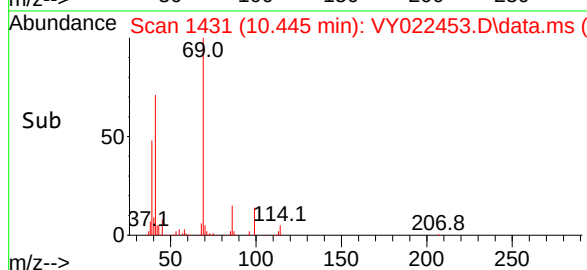
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

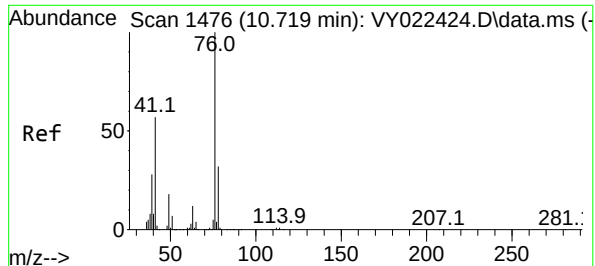


#56
Ethyl methacrylate
Concen: 50.656 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23



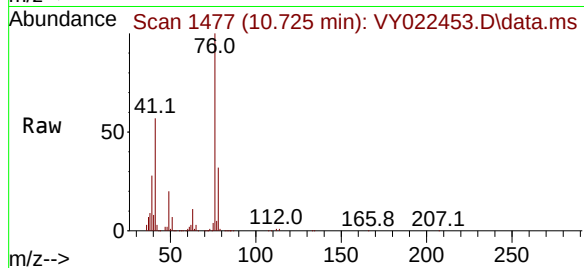
Tgt Ion: 69 Resp: 122555
Ion Ratio Lower Upper
69 100
41 66.9 51.2 76.8
39 44.7 35.2 52.8





#57
1,3-Dichloropropane
Concen: 51.375 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

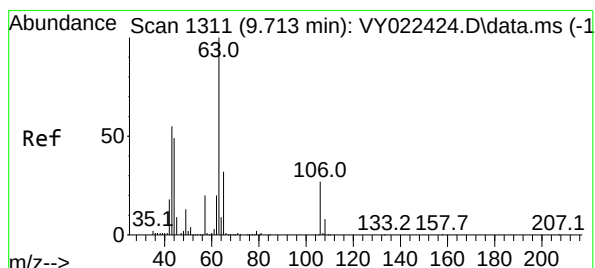
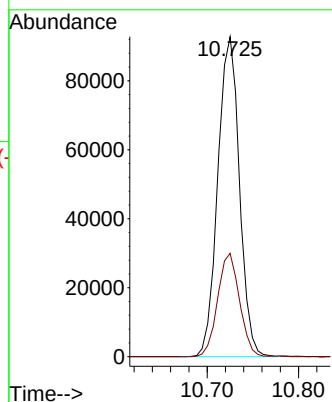
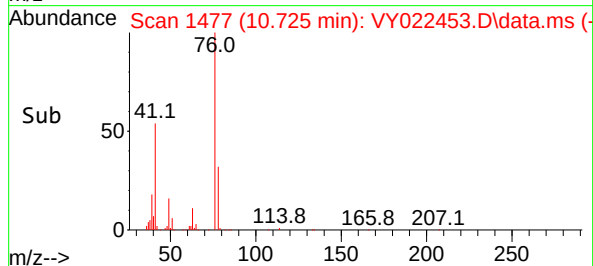
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



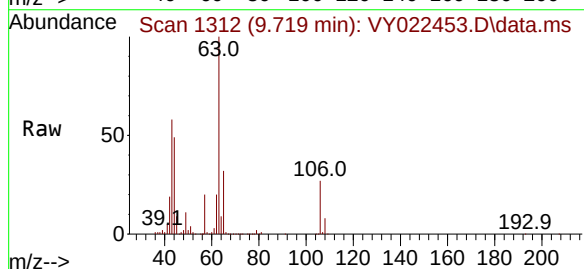
Tgt Ion: 76 Resp: 152639
Ion Ratio Lower Upper
76 100
78 32.8 25.8 38.8

Manual Integrations
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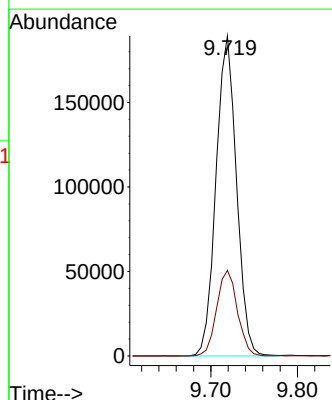
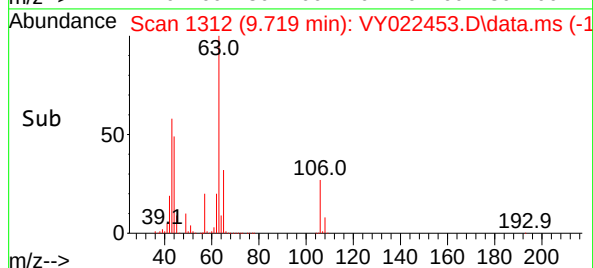
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

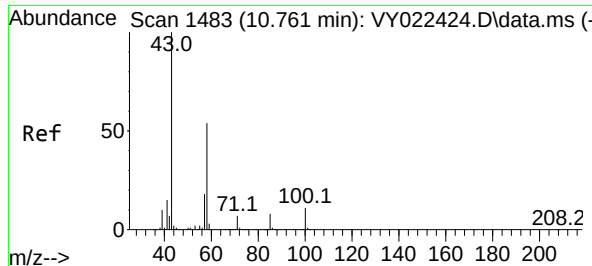


#58
2-Chloroethyl Vinyl ether
Concen: 258.077 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23



Tgt Ion: 63 Resp: 311180
Ion Ratio Lower Upper
63 100
106 27.0 22.2 33.2





#59

2-Hexanone

Concen: 262.819 ug/l

RT: 10.768 min Scan# 1483

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 26945

Ion Ratio Lower Upper

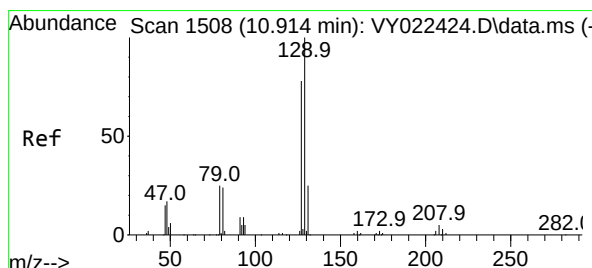
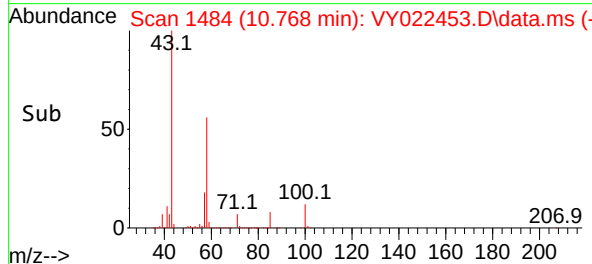
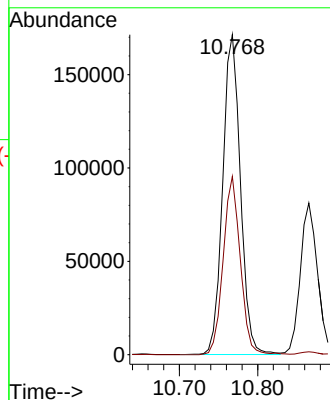
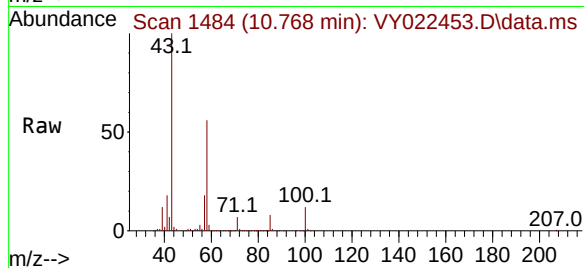
43 100

58 53.9 27.1 81.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#60

Dibromochloromethane

Concen: 52.335 ug/l

RT: 10.920 min Scan# 1509

Delta R.T. 0.006 min

Lab File: VY022453.D

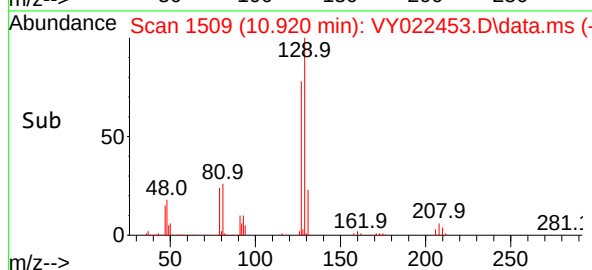
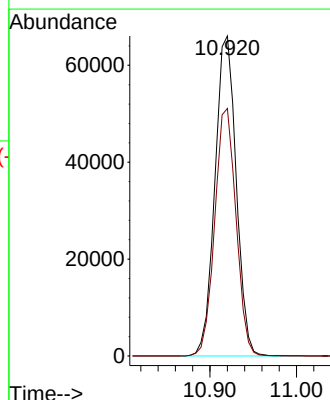
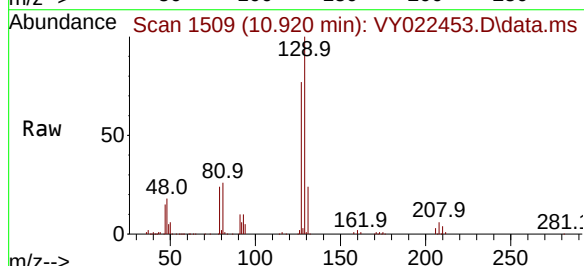
Acq: 29 May 2025 08:23

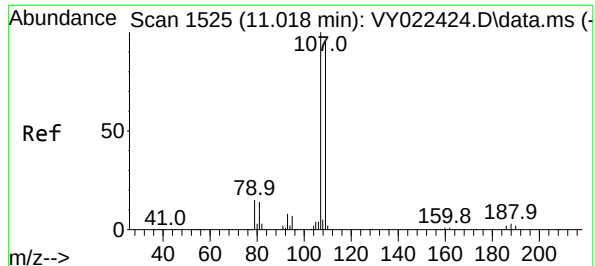
Tgt Ion:129 Resp: 112707

Ion Ratio Lower Upper

129 100

127 77.4 38.3 114.8





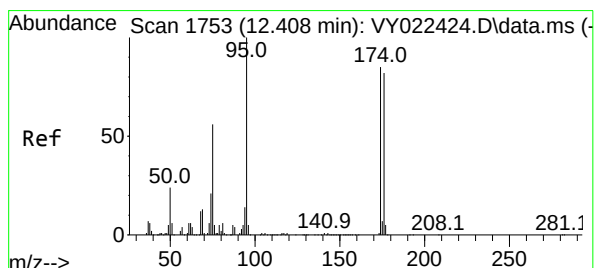
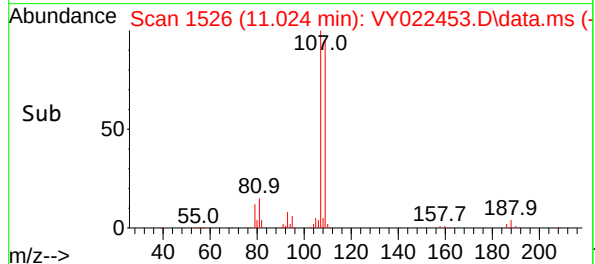
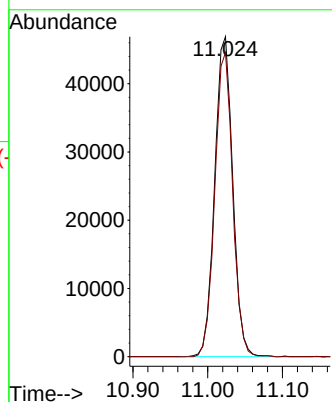
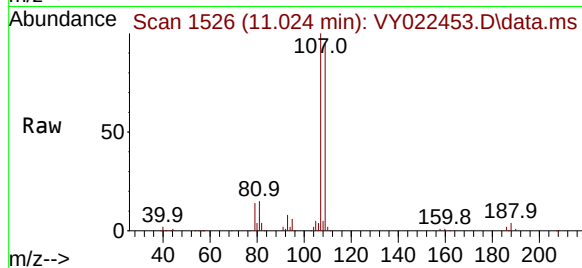
#61
1,2-Dibromoethane
Concen: 51.091 ug/l
RT: 11.024 min Scan# 1526
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 7878
Ion Ratio Lower Upper
107 100
109 94.2 74.0 111.0

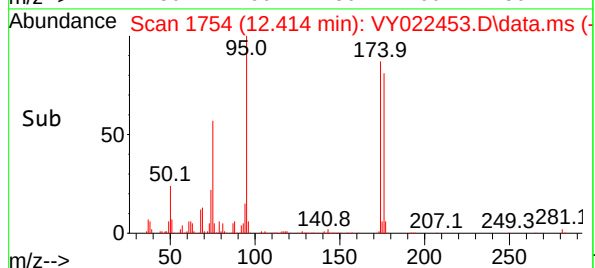
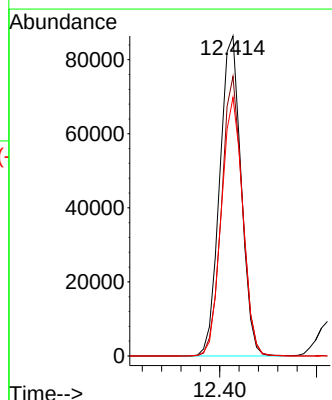
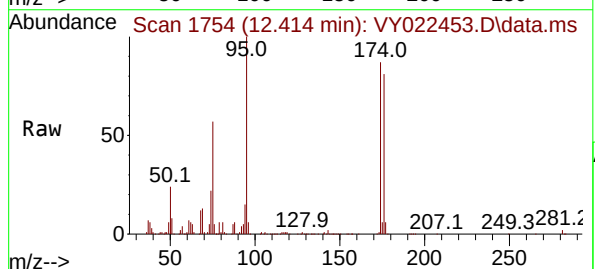
Manual Integrations
APPROVED

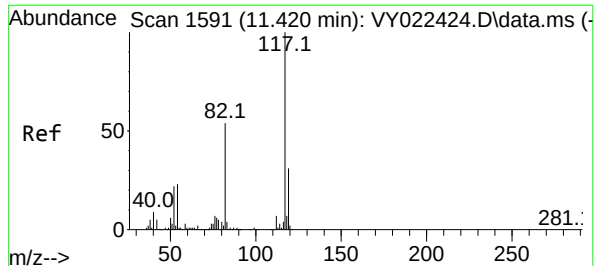
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#62
4-Bromofluorobenzene
Concen: 49.979 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

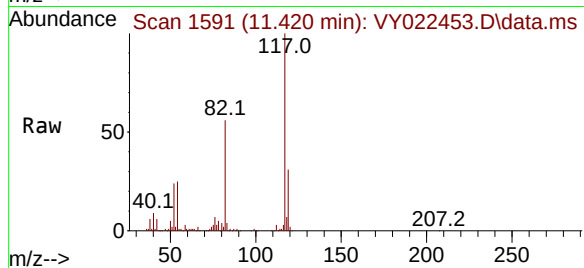
Tgt Ion: 95 Resp: 132603
Ion Ratio Lower Upper
95 100
174 84.6 0.0 171.6
176 81.0 0.0 164.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

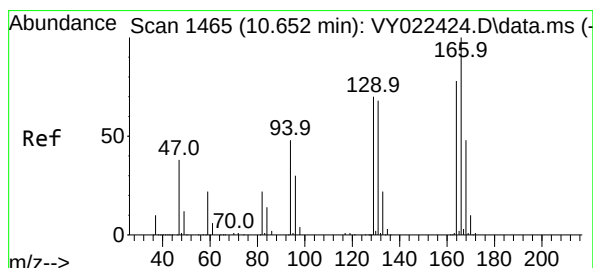
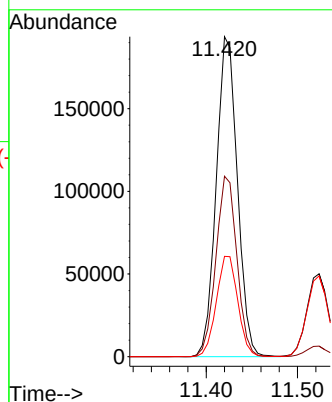
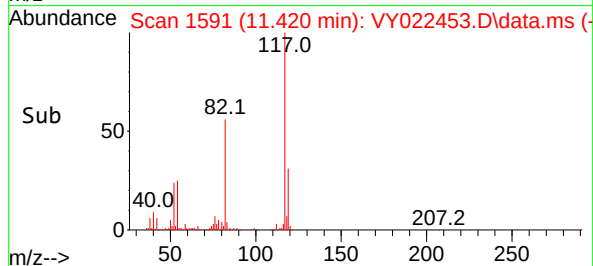
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 31188
Ion Ratio Lower Upper
117 100
82 56.4 43.3 64.9
119 31.4 24.5 36.7

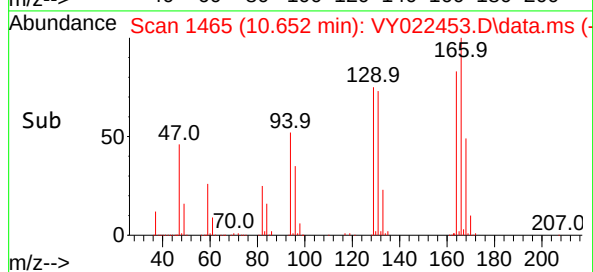
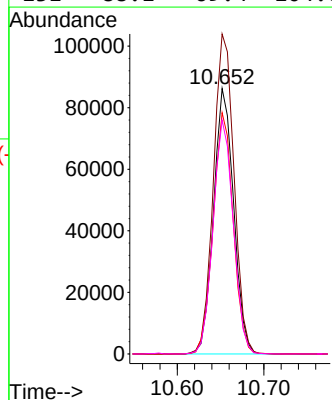
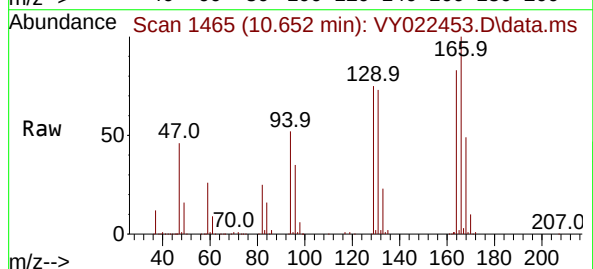
Manual Integrations
APPROVED

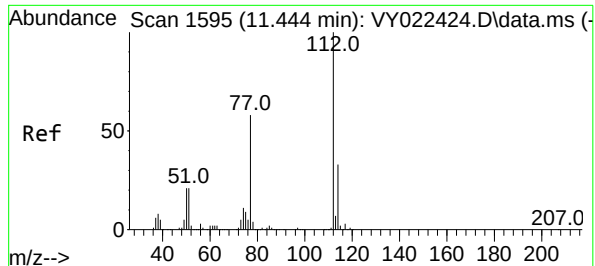
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#64
Tetrachloroethene
Concen: 52.318 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

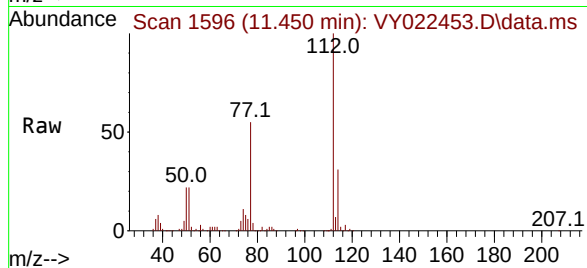
Tgt Ion:164 Resp: 138967
Ion Ratio Lower Upper
164 100
166 120.5 102.0 153.0
129 90.9 71.3 106.9
131 88.1 69.4 104.0





#65
Chlorobenzene
Concen: 52.240 ug/l
RT: 11.450 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

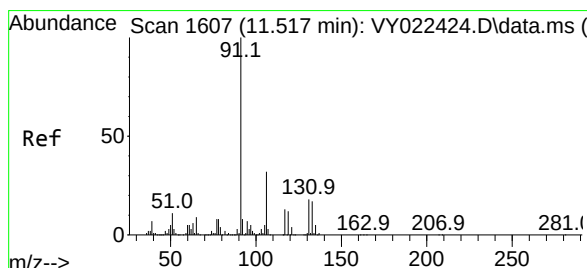
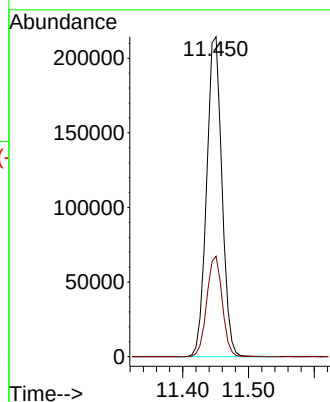
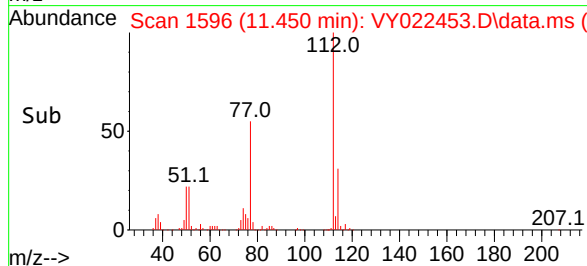
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



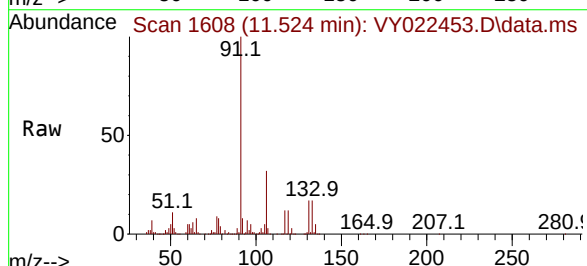
Tgt Ion:112 Resp: 347414
Ion Ratio Lower Upper
112 100
114 31.4 26.1 39.1

Manual Integrations
APPROVED

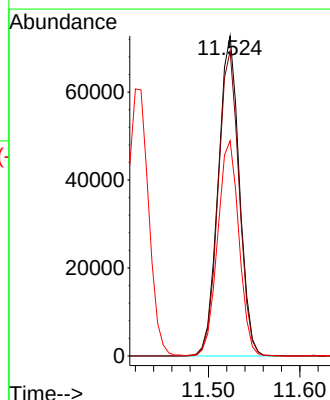
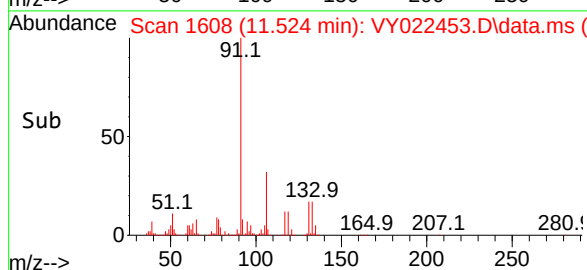
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

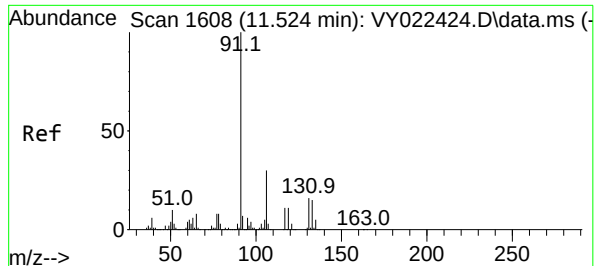


#66
1,1,1,2-Tetrachloroethane
Concen: 51.821 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23



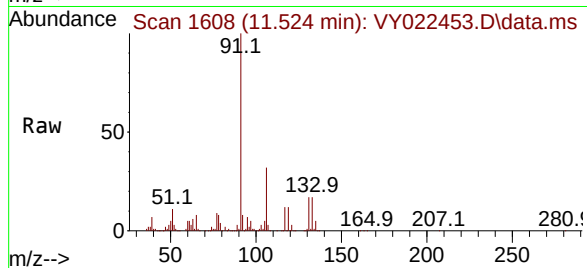
Tgt Ion:131 Resp: 116764
Ion Ratio Lower Upper
131 100
133 94.6 46.6 139.8
119 68.0 33.3 99.8





#67
Ethyl Benzene
Concen: 52.235 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

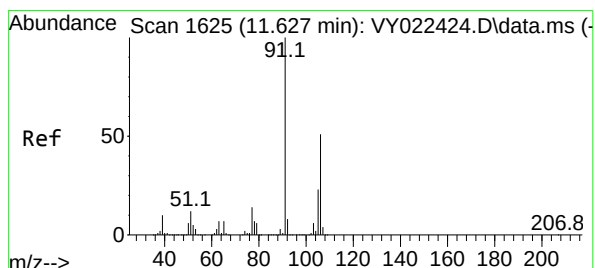
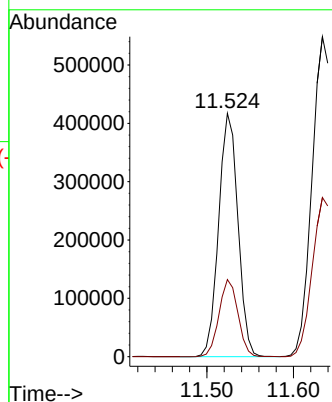
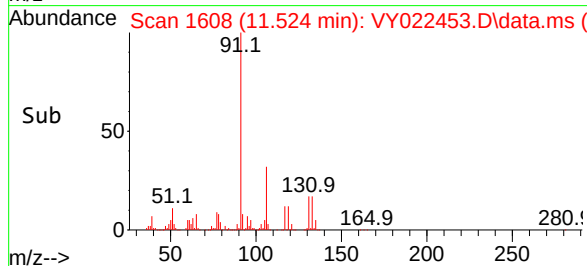
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



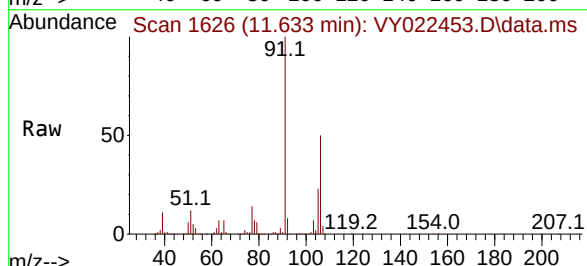
Tgt Ion: 91 Resp: 645012
Ion Ratio Lower Upper
91 100
106 31.7 24.4 36.6

Manual Integrations
APPROVED

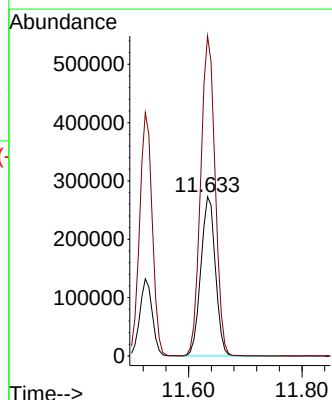
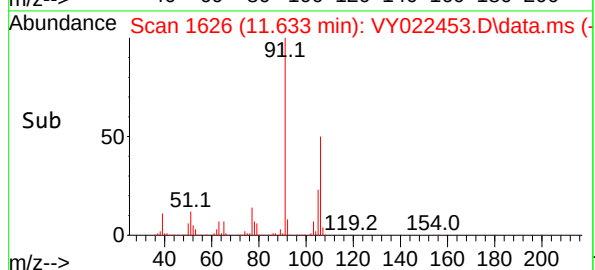
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

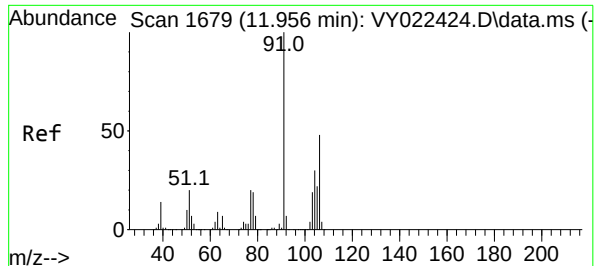


#68
m/p-Xylenes
Concen: 103.724 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23



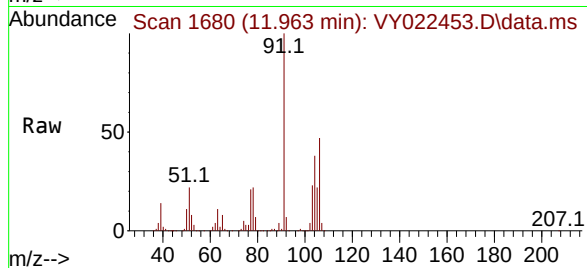
Tgt Ion:106 Resp: 485605
Ion Ratio Lower Upper
106 100
91 200.1 159.8 239.8





#69
o-Xylene
Concen: 51.717 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

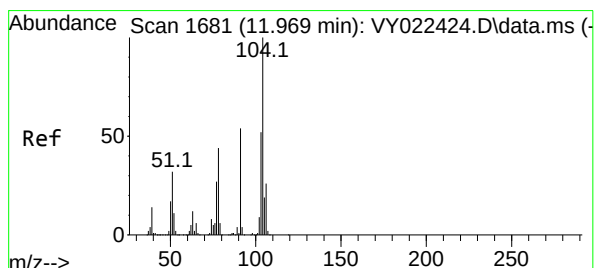
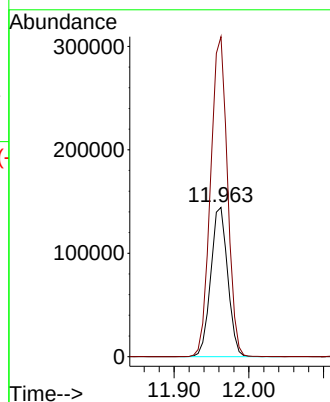
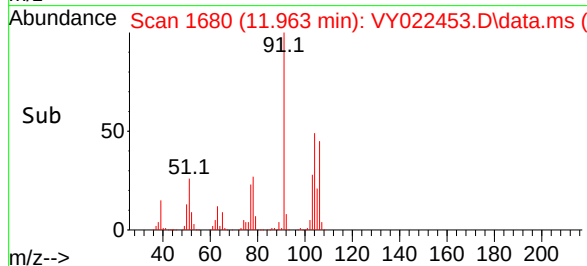
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



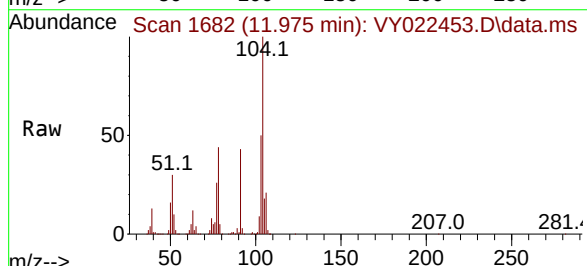
Tgt Ion:106 Resp: 22755
Ion Ratio Lower Upper
106 100
91 213.7 106.3 318.9

Manual Integrations
APPROVED

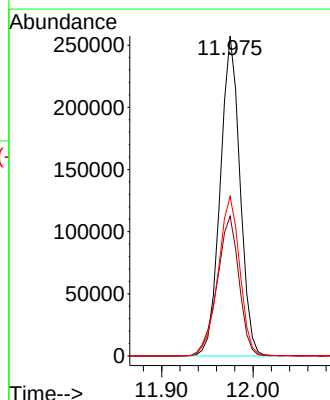
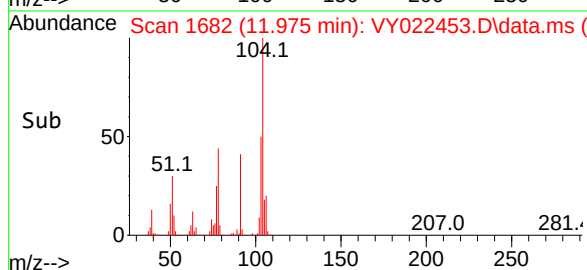
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

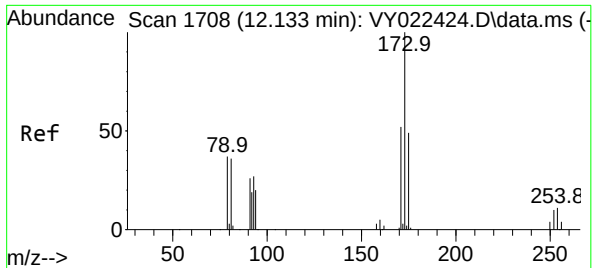


#70
Styrene
Concen: 52.776 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23



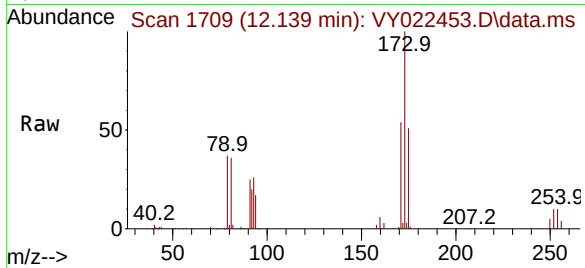
Tgt Ion:104 Resp: 386668
Ion Ratio Lower Upper
104 100
78 48.4 38.8 58.2
103 54.6 43.4 65.2





#71
Bromoform
Concen: 50.779 ug/l
RT: 12.139 min Scan# 1709
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

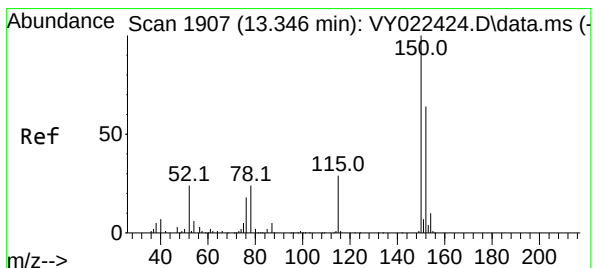
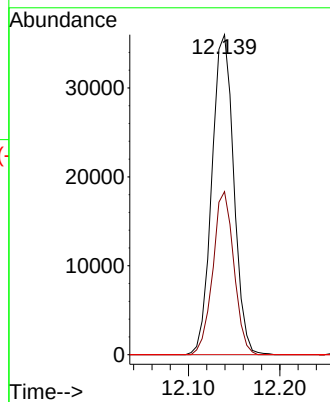
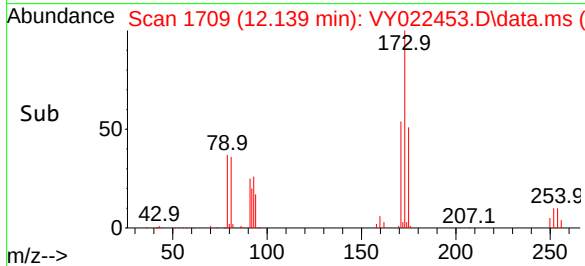
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:173 Resp: 5993
Ion Ratio Lower Upper
173 100
175 49.0 24.3 73.0
254 0.0 0.1 0.1

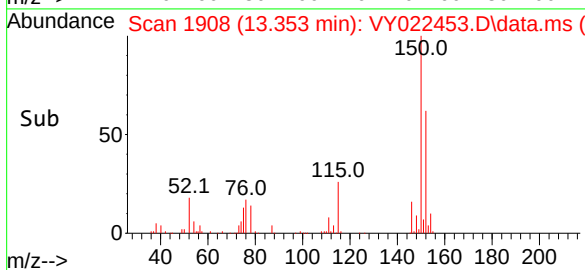
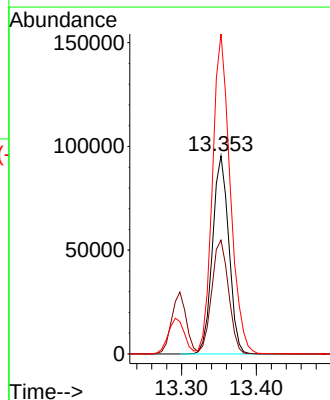
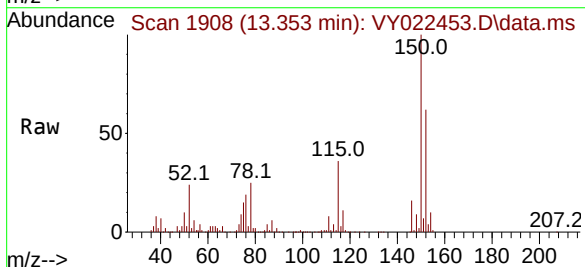
Manual Integrations
APPROVED

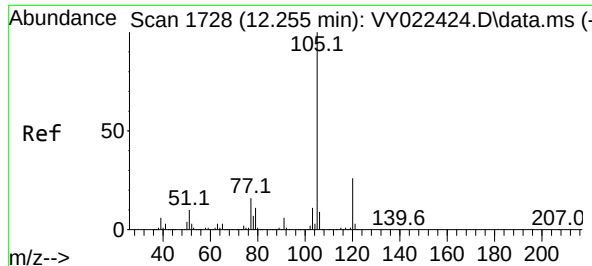
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

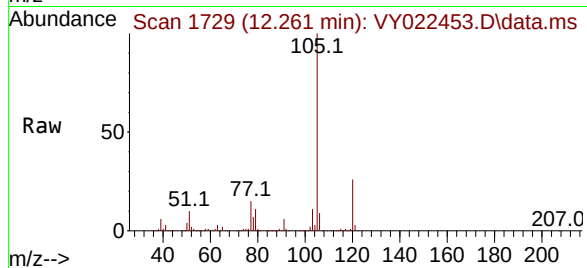
Tgt Ion:152 Resp: 144539
Ion Ratio Lower Upper
152 100
115 59.2 28.4 85.3
150 175.6 0.0 345.8





#73
Isopropylbenzene
Concen: 52.527 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

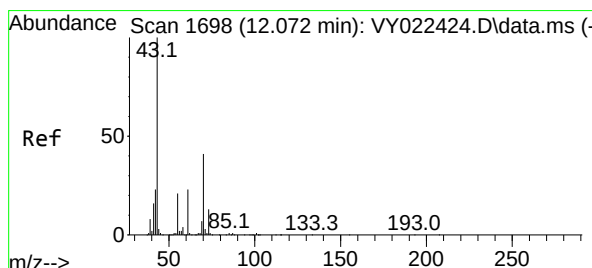
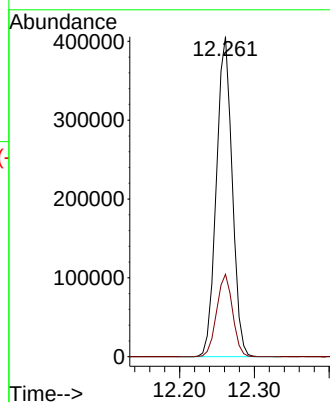
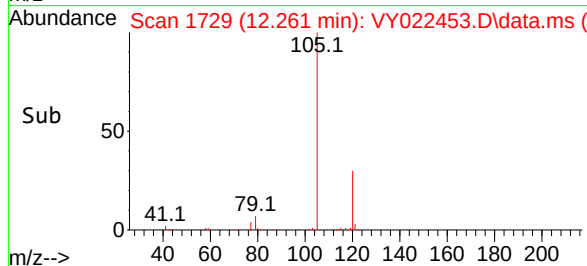
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 597529
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5

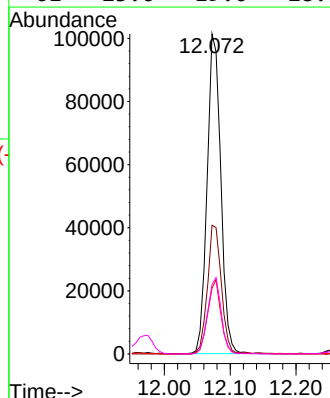
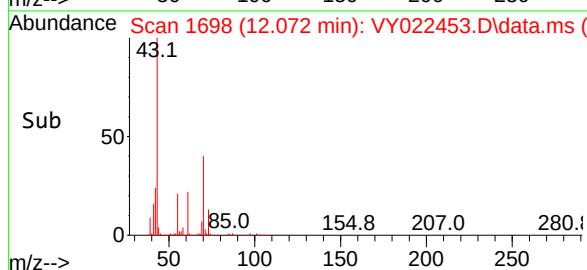
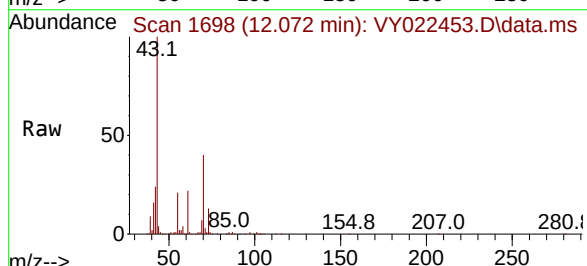
Manual Integrations
APPROVED

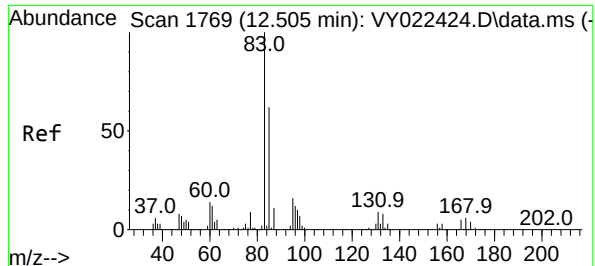
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#74
N-ethyl acetate
Concen: 52.730 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Tgt Ion: 43 Resp: 146777
Ion Ratio Lower Upper
43 100
70 40.9 33.0 49.4
55 22.4 17.5 26.3
61 23.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.179 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 8814

Ion Ratio Lower Upper

83 100

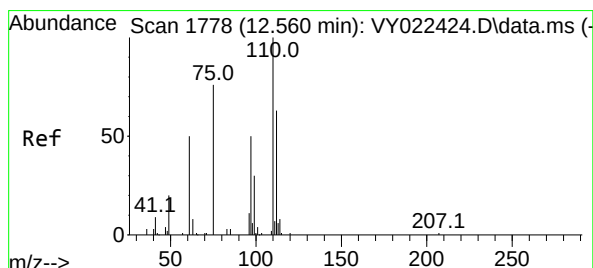
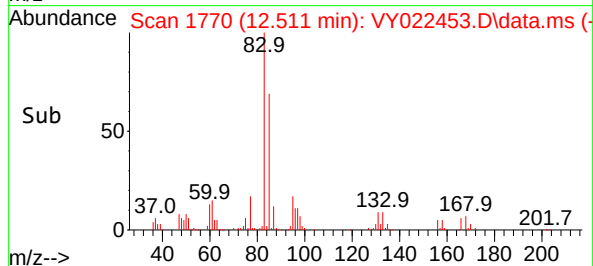
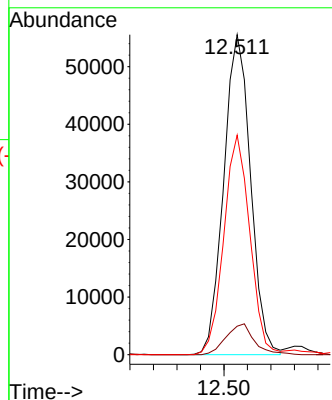
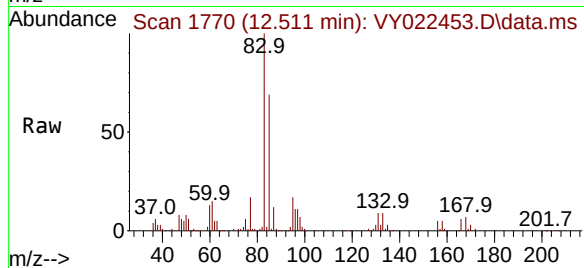
131 10.1 4.8 14.4

85 67.8 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#76

1,2,3-Trichloropropane

Concen: 47.513 ug/l m

RT: 12.560 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VY022453.D

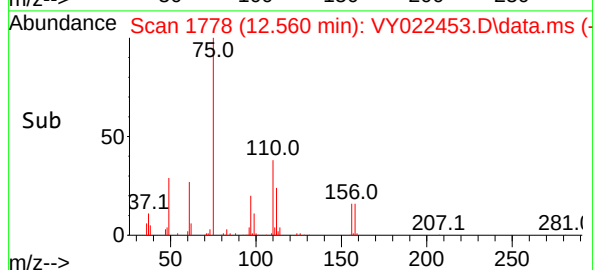
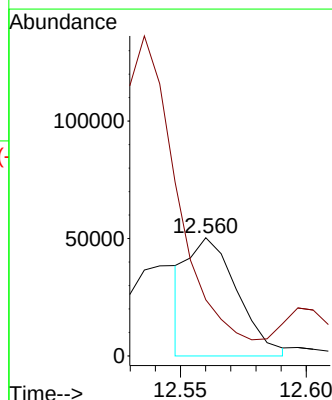
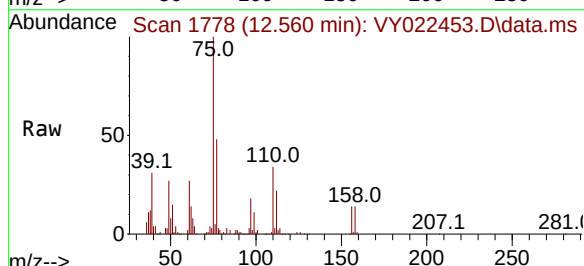
Acq: 29 May 2025 08:23

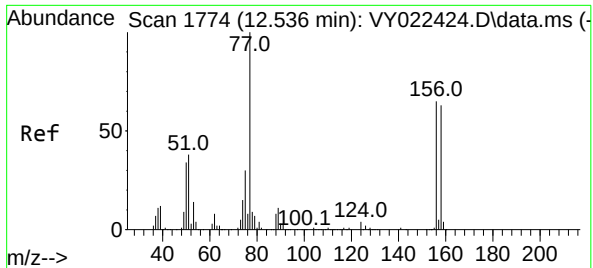
Tgt Ion: 75 Resp: 68789

Ion Ratio Lower Upper

75 100

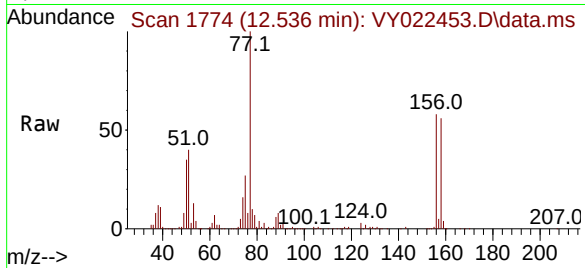
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 51.142 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

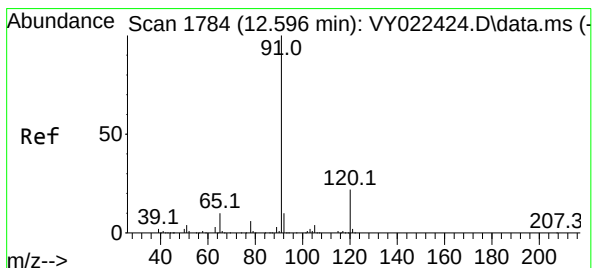
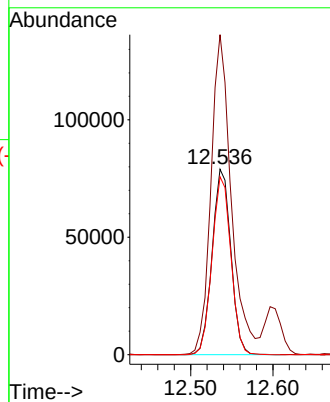
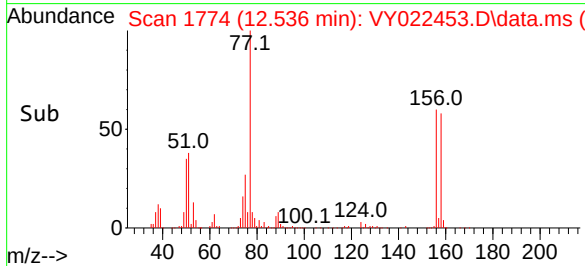
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



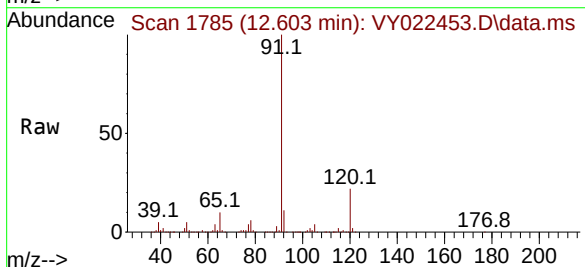
Tgt Ion: 156 Resp: 125190
Ion Ratio Lower Upper
156 100
77 186.0 91.4 274.2
158 96.4 48.1 144.3

Manual Integrations
APPROVED

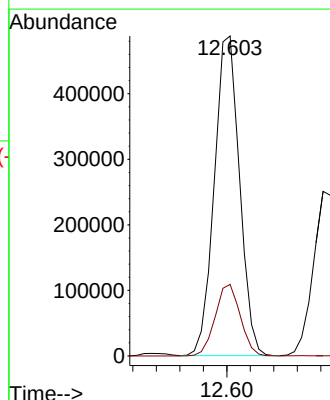
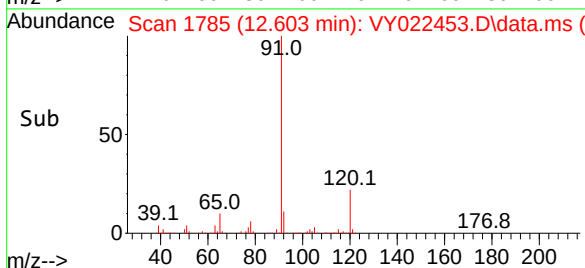
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

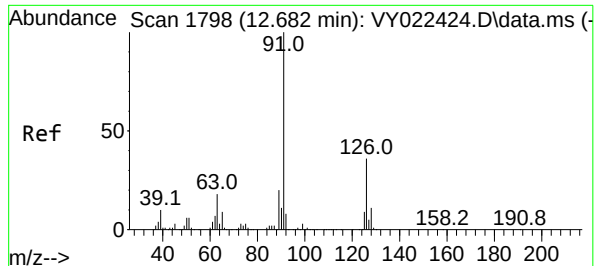


#78
n-propylbenzene
Concen: 53.216 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23



Tgt Ion: 91 Resp: 726495
Ion Ratio Lower Upper
91 100
120 22.3 11.2 33.5





#79

2-Chlorotoluene

Concen: 52.357 ug/l

RT: 12.682 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 38691

Ion Ratio Lower Upper

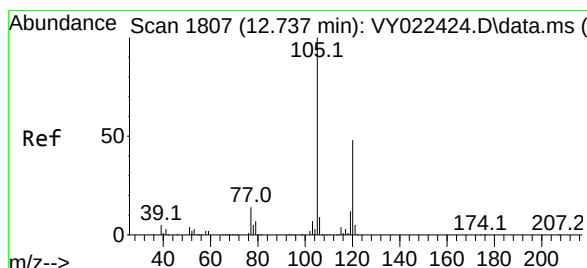
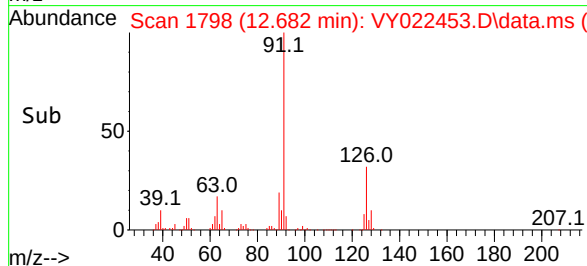
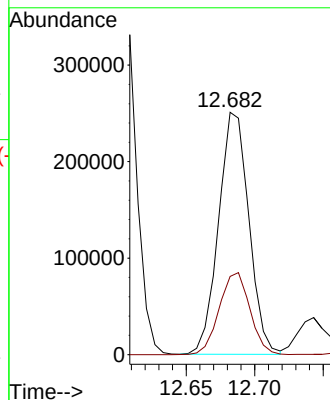
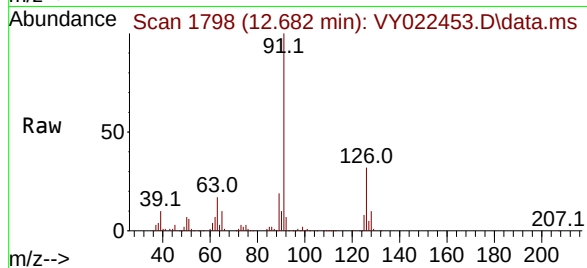
91 100

126 34.2 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#80

1,3,5-Trimethylbenzene

Concen: 52.483 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VY022453.D

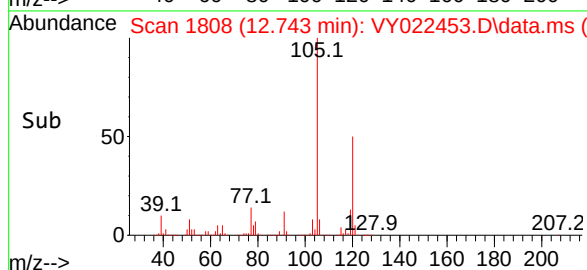
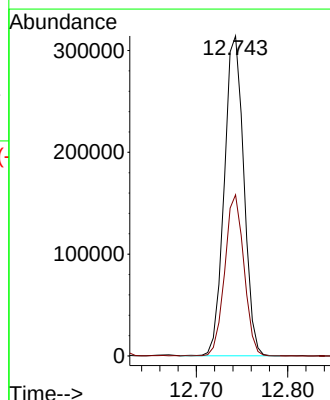
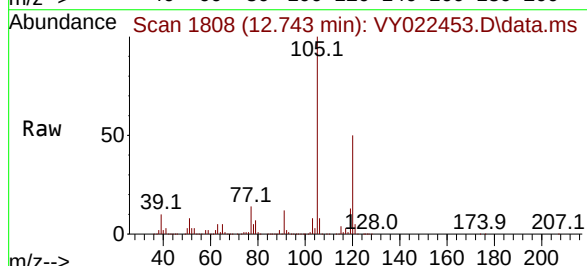
Acq: 29 May 2025 08:23

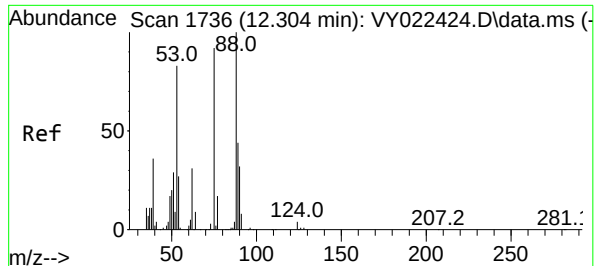
Tgt Ion:105 Resp: 466486

Ion Ratio Lower Upper

105 100

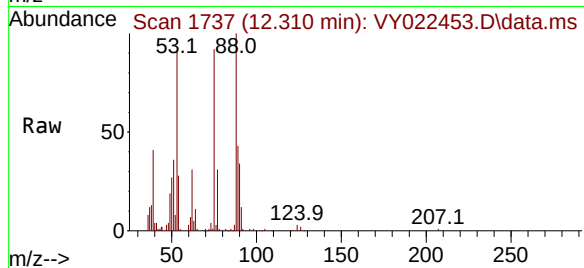
120 49.6 24.3 73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 51.193 ug/l
RT: 12.310 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

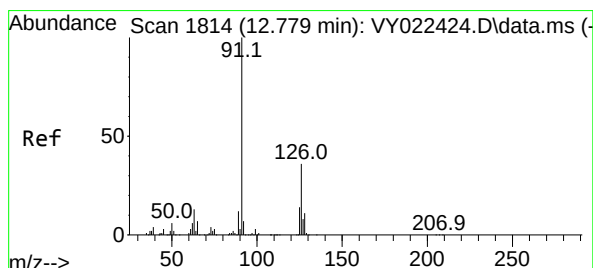
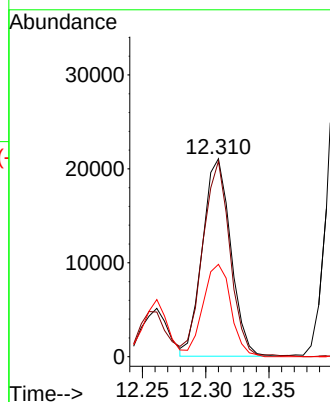
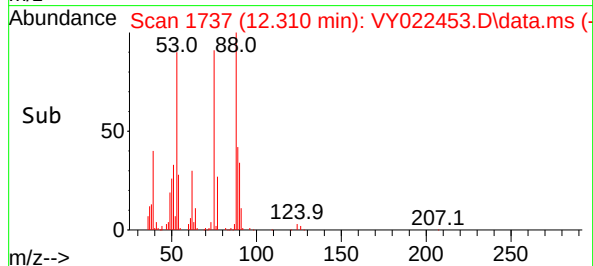
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 32774
Ion Ratio Lower Upper
75 100
53 95.2 75.1 112.7
89 45.5 37.4 56.0

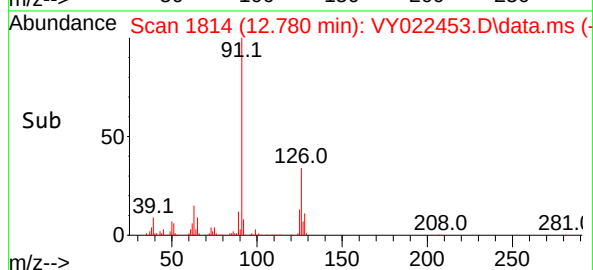
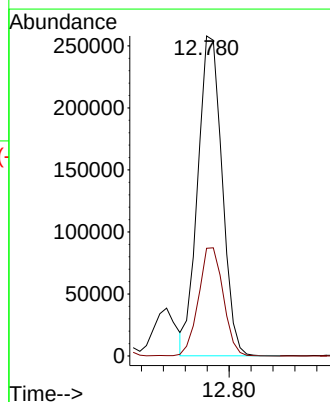
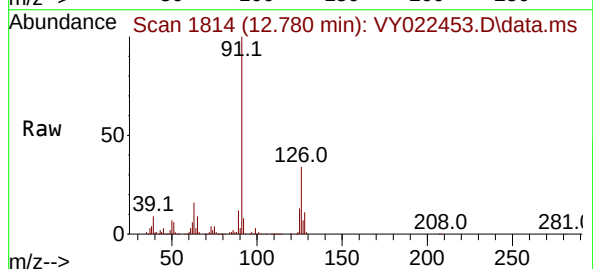
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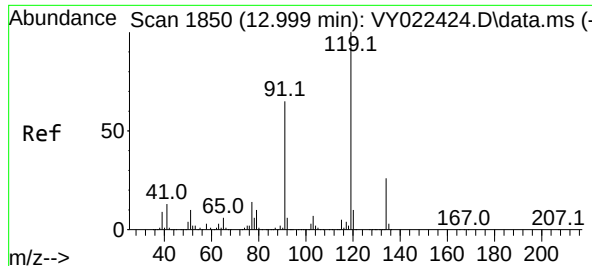
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#82
4-Chlorotoluene
Concen: 52.262 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Tgt Ion: 91 Resp: 397764
Ion Ratio Lower Upper
91 100
126 34.4 17.2 51.6





#83

tert-Butylbenzene

Concen: 53.068 ug/l

RT: 13.005 min Scan# 1851

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 426168

Ion Ratio Lower Upper

119 100

91 63.2 31.8 95.3

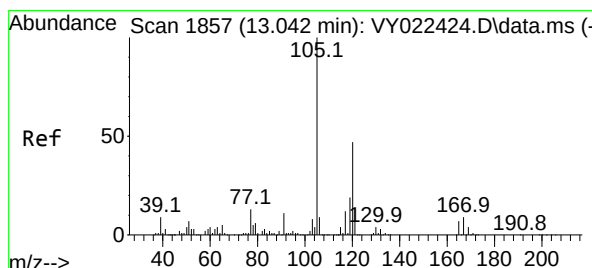
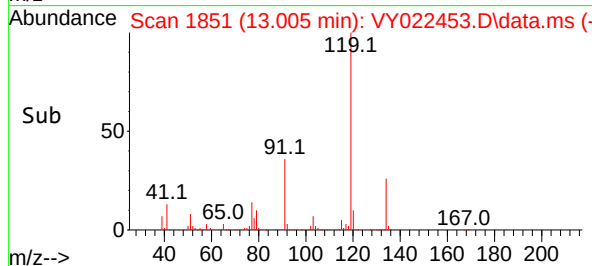
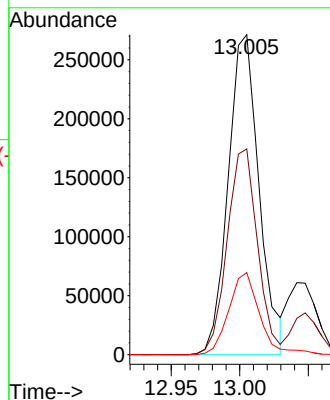
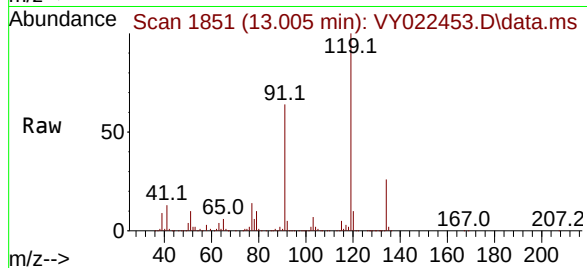
134 25.8 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 52.724 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY022453.D

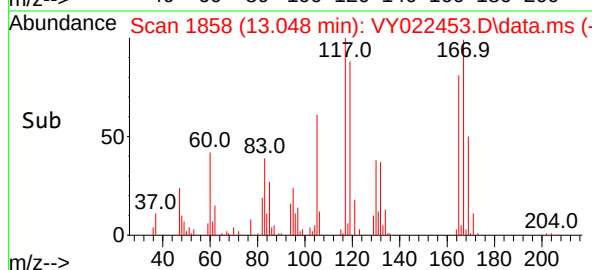
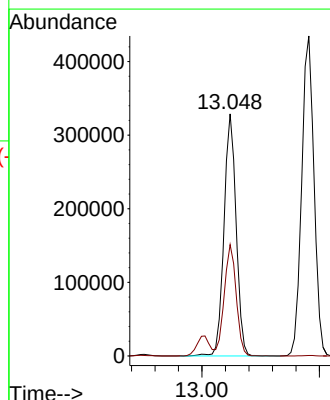
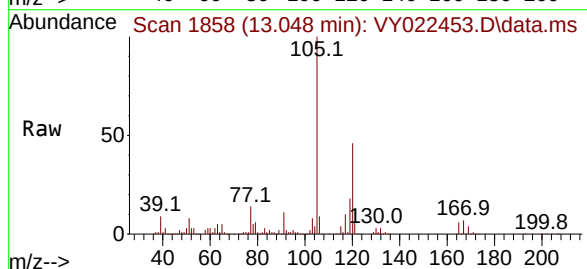
Acq: 29 May 2025 08:23

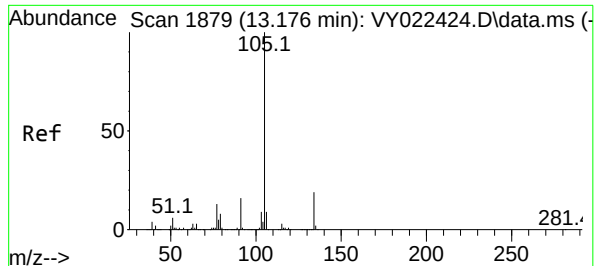
Tgt Ion:105 Resp: 471592

Ion Ratio Lower Upper

105 100

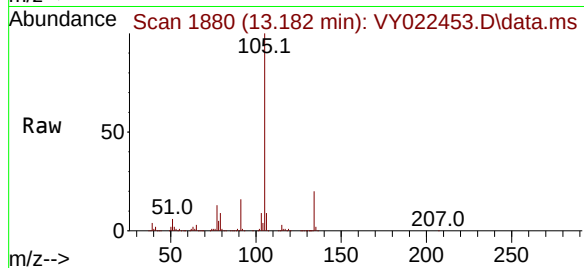
120 45.7 22.9 68.5





#85
 sec-Butylbenzene
 Concen: 53.014 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY022453.D
 Acq: 29 May 2025 08:23

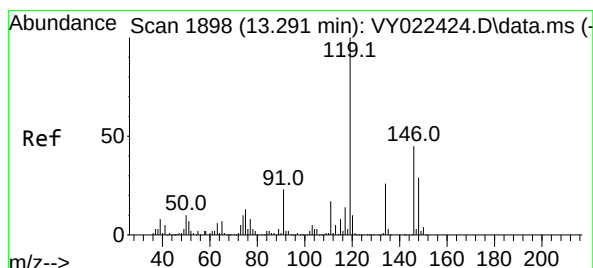
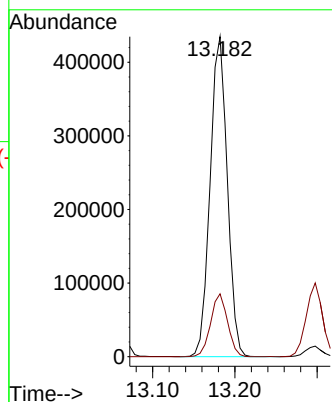
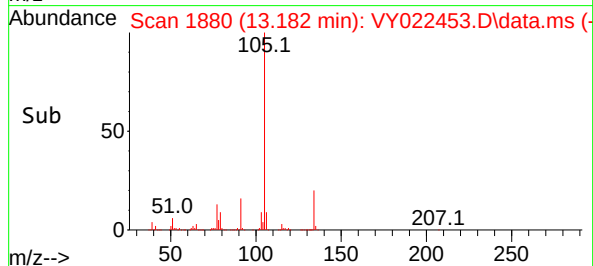
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



Tgt Ion:105 Resp: 631375
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1

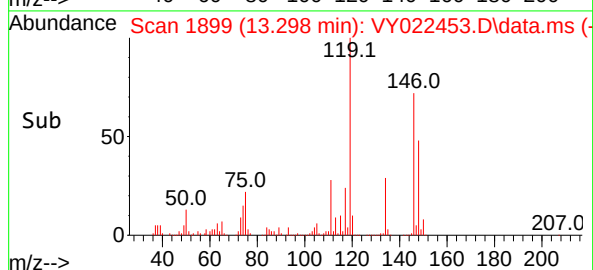
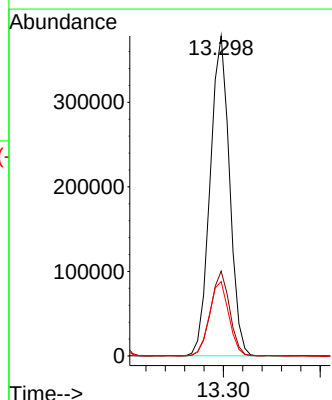
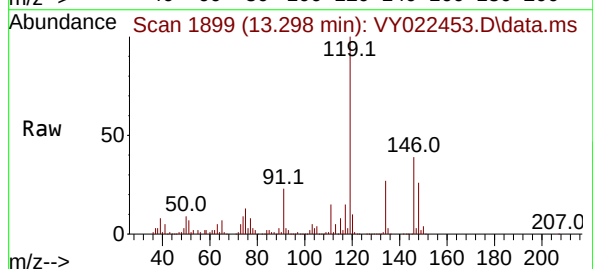
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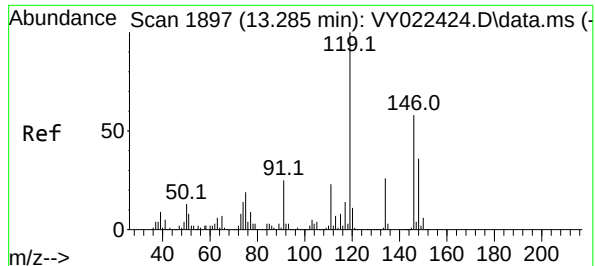
Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#86
 p-Isopropyltoluene
 Concen: 52.981 ug/l
 RT: 13.298 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VY022453.D
 Acq: 29 May 2025 08:23

Tgt Ion:119 Resp: 526903
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 23.3 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 51.269 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 25253

Ion Ratio Lower Upper

146 100

111 38.7 19.6 58.8

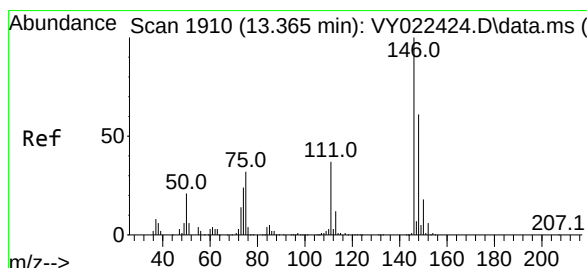
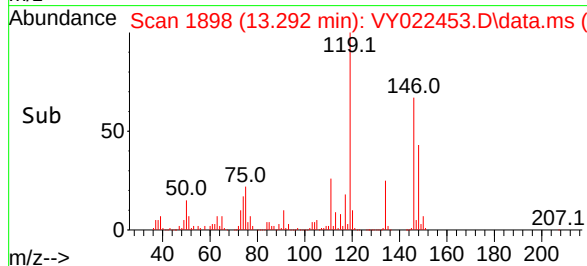
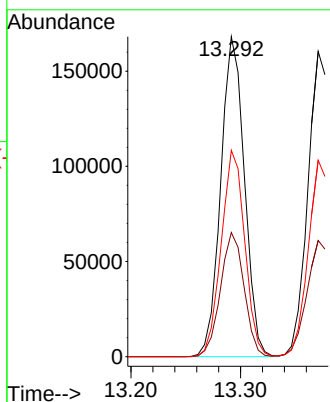
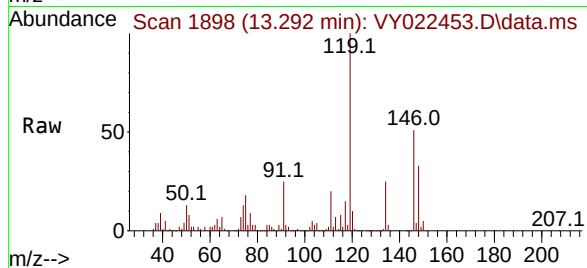
148 64.1 31.7 95.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#88

1,4-Dichlorobenzene

Concen: 52.077 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

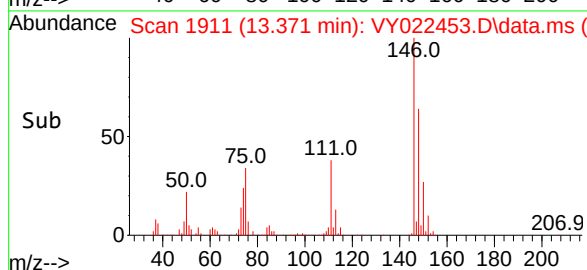
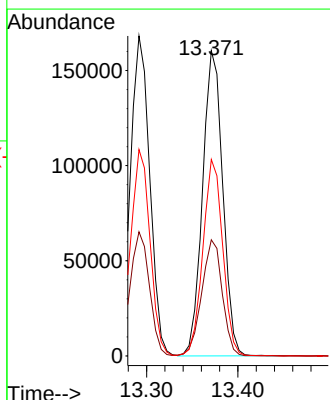
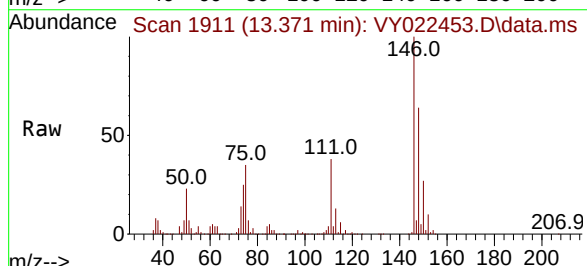
Tgt Ion:146 Resp: 245269

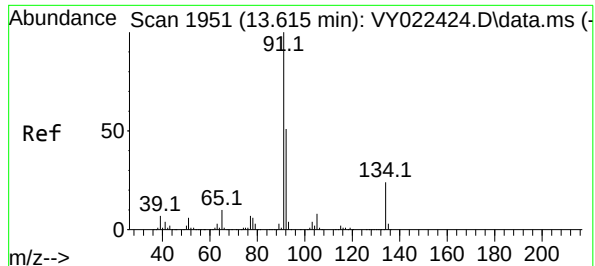
Ion Ratio Lower Upper

146 100

111 38.9 18.7 56.1

148 63.3 31.4 94.3





#89

n-Butylbenzene

Concen: 53.553 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 49936

Ion Ratio Lower Upper

91 100

92 52.0 25.9 77.6

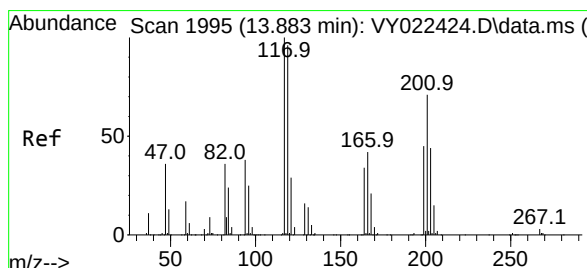
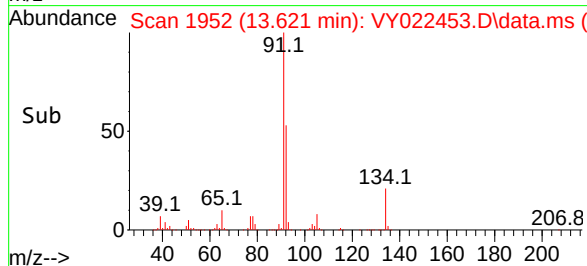
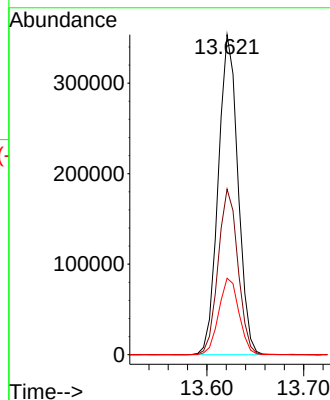
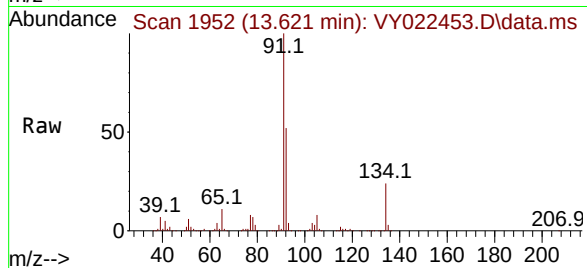
134 24.5 12.4 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#90

Hexachloroethane

Concen: 52.707 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.000 min

Lab File: VY022453.D

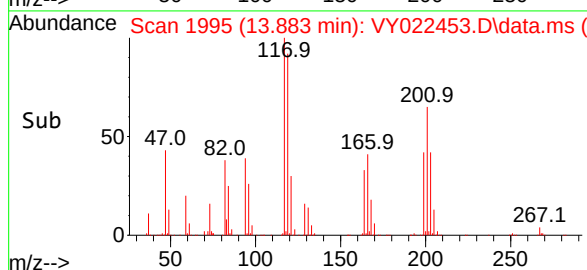
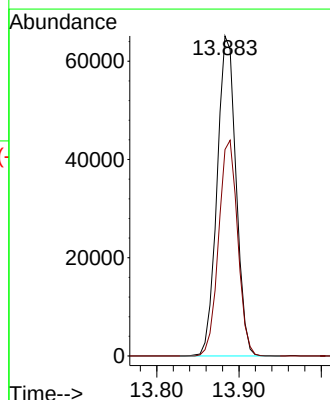
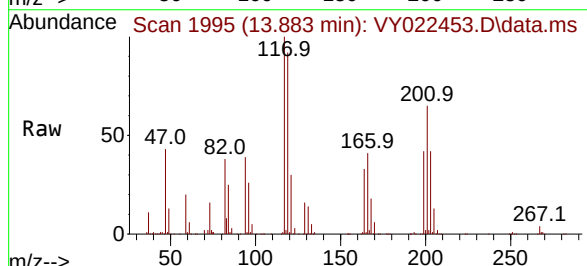
Acq: 29 May 2025 08:23

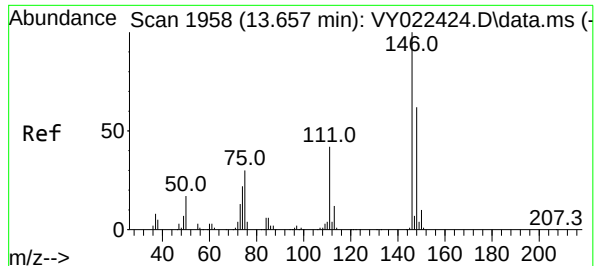
Tgt Ion:117 Resp: 104310

Ion Ratio Lower Upper

117 100

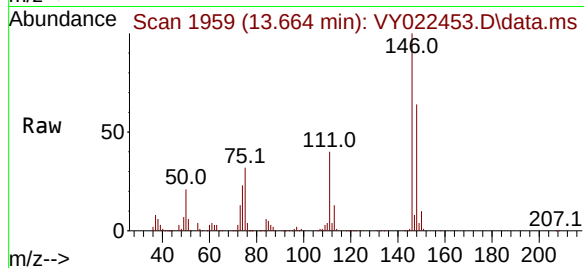
201 67.7 35.0 105.0





#91
1,2-Dichlorobenzene
Concen: 52.156 ug/l
RT: 13.664 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

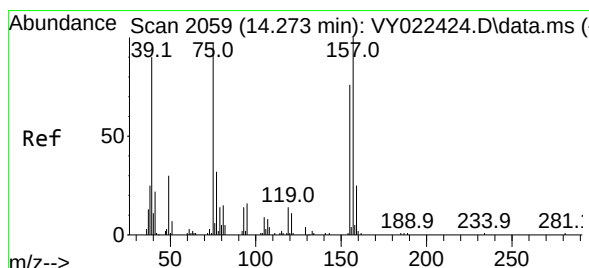
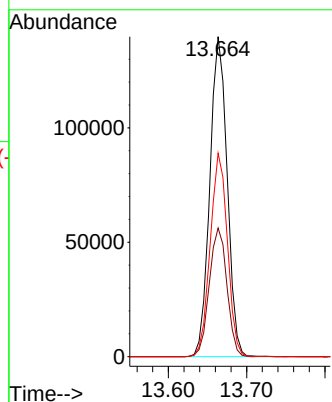
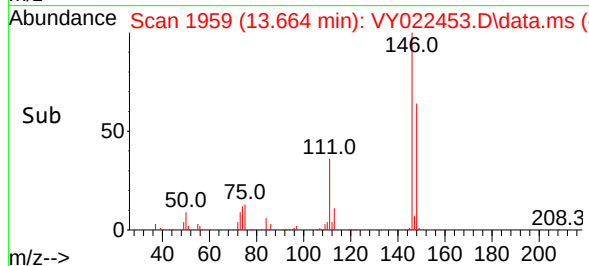
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



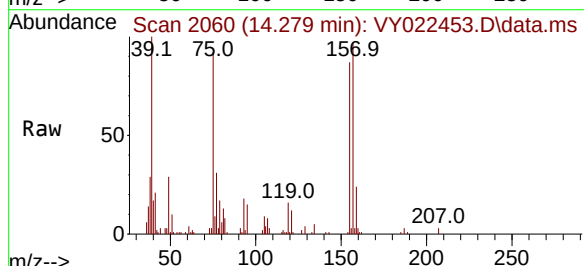
Tgt Ion:146 Resp: 214570
Ion Ratio Lower Upper
146 100
111 40.9 20.5 61.6
148 63.2 31.9 95.9

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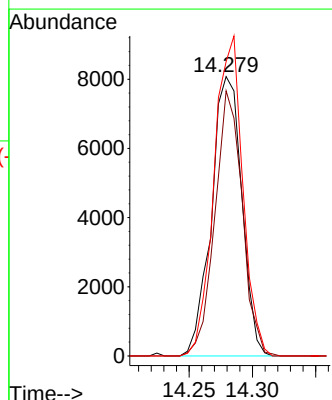
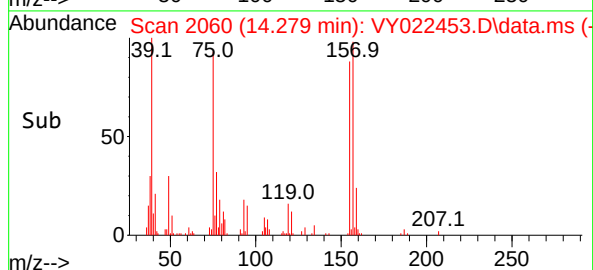
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

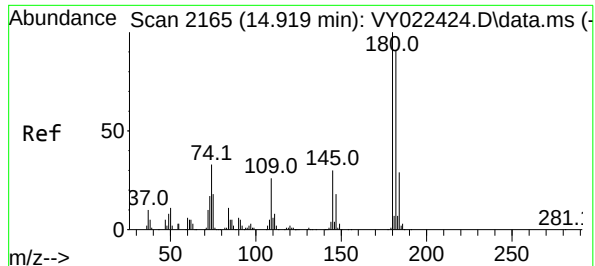


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.716 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23



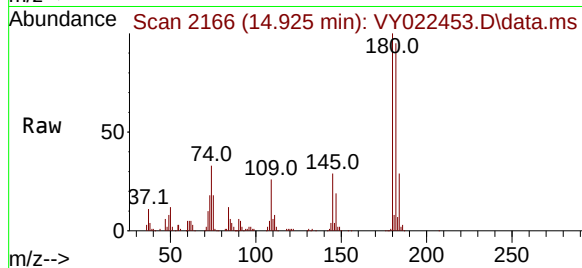
Tgt Ion: 75 Resp: 13492
Ion Ratio Lower Upper
75 100
155 85.2 42.3 126.8
157 107.7 54.4 163.3





#93
1,2,4-Trichlorobenzene
Concen: 51.370 ug/l
RT: 14.925 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

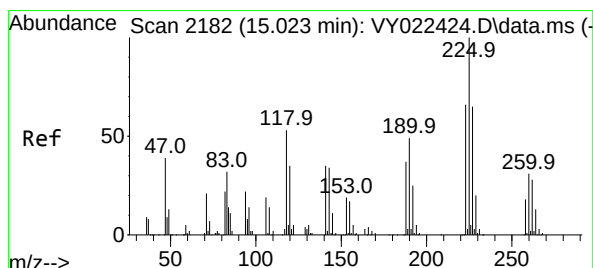
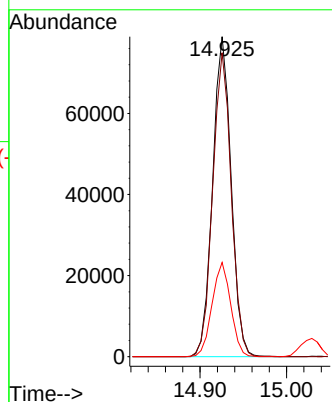
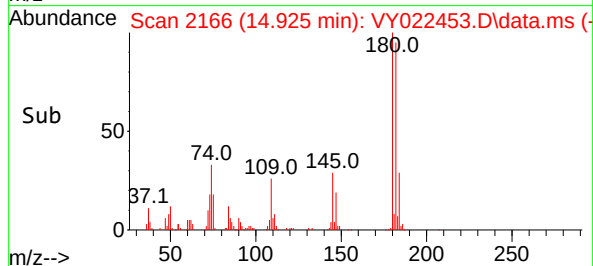
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:180 Resp: 11716
Ion Ratio Lower Upper
180 100
182 95.1 46.2 138.6
145 29.6 14.2 42.8

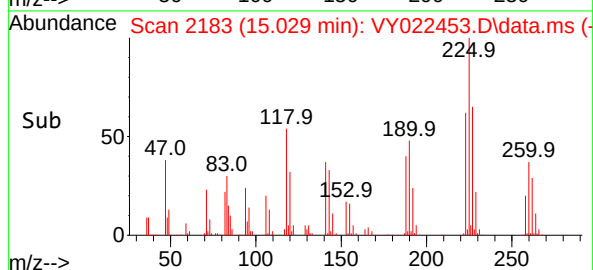
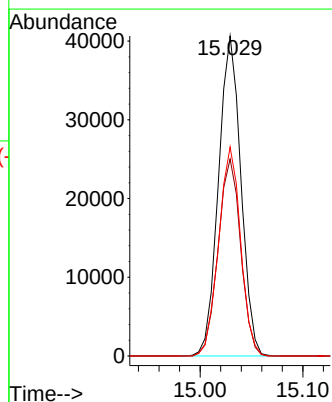
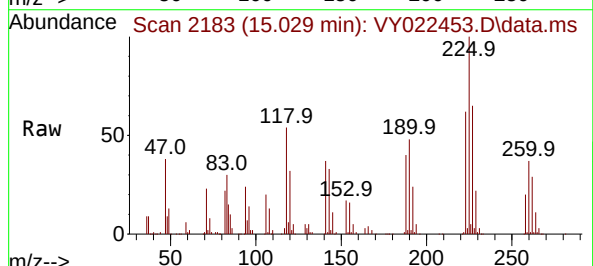
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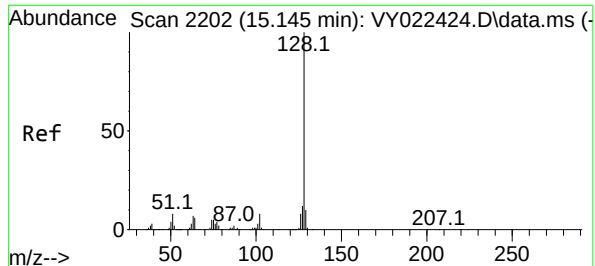
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#94
Hexachlorobutadiene
Concen: 51.258 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022453.D
Acq: 29 May 2025 08:23

Tgt Ion:225 Resp: 61354
Ion Ratio Lower Upper
225 100
223 61.8 32.6 97.7
227 64.2 33.0 99.0





#95

Naphthalene

Concen: 51.987 ug/l

RT: 15.151 min Scan# 219204

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 219204

Ion Ratio Lower Upper

128 100

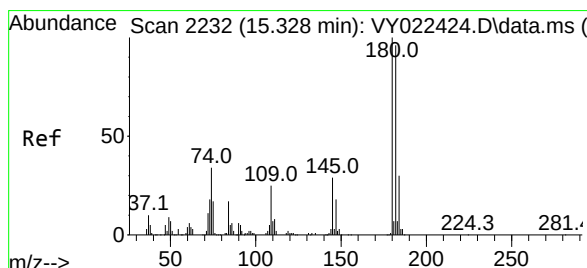
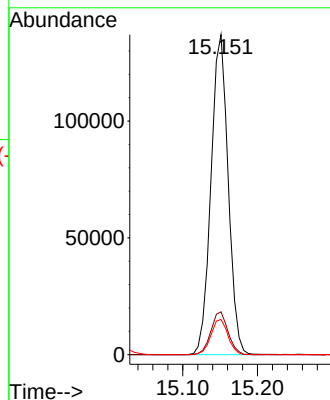
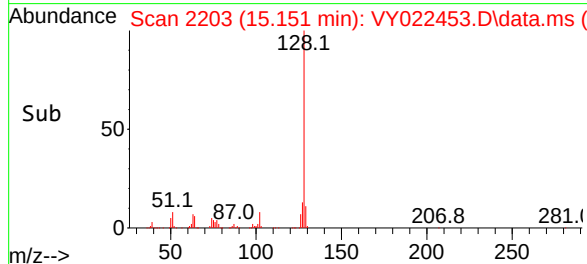
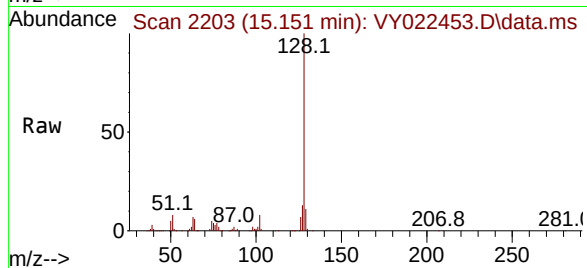
127 13.4 10.2 15.4

129 11.0 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#96

1,2,3-Trichlorobenzene

Concen: 52.456 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY022453.D

Acq: 29 May 2025 08:23

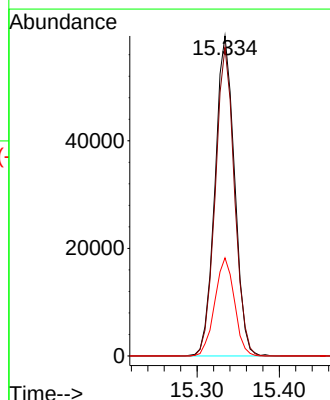
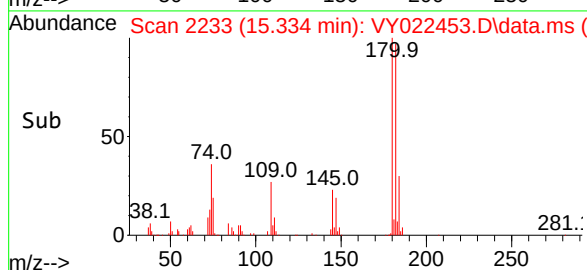
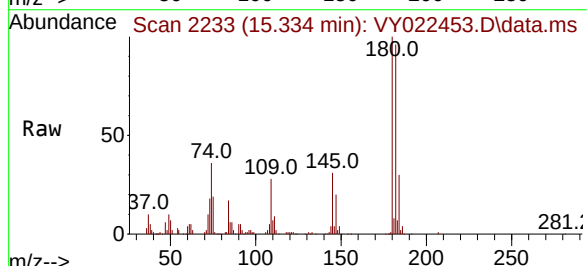
Tgt Ion:180 Resp: 98121

Ion Ratio Lower Upper

180 100

182 94.6 48.1 144.3

145 30.7 14.9 44.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022453.D
 Acq On : 29 May 2025 08:23
 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: May 30 05:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 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	86	0.00
2 T	Dichlorodifluoromethane	0.477	0.443	7.1	90	0.00
3 P	Chloromethane	1.173	1.080	7.9	78	0.00
4 C	Vinyl Chloride	1.425	1.441	-1.1#	86	0.00
5 T	Bromomethane	1.295	1.134	12.4	77	0.00
6 T	Chloroethane	0.931	0.992	-6.6	84	0.00
7 T	Trichlorofluoromethane	1.203	1.195	0.7	86	0.00
8 T	Diethyl Ether	0.277	0.290	-4.7	91	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.528	0.543	-2.8	90	0.00
10 T	Methyl Iodide	0.595	0.657	-10.4	88	0.00
11 T	Tert butyl alcohol	0.037	0.036	2.7	88	0.00
12 CM	1,1-Dichloroethene	0.524	0.537	-2.5#	91	0.00
13 T	Acrolein	0.056	0.031	44.6#	47#	0.00
14 T	Allyl chloride	0.788	0.846	-7.4	93	0.01
15 T	Acrylonitrile	0.112	0.117	-4.5	90	0.00
16 T	Acetone	0.087	0.104	-19.5	106	0.00
17 T	Carbon Disulfide	1.672	1.727	-3.3	90	0.00
18 T	Methyl Acetate	0.324	0.357	-10.2	100	0.00
19 T	Methyl tert-butyl Ether	1.391	1.429	-2.7	89	0.00
20 T	Methylene Chloride	0.611	0.599	2.0	94	0.00
21 T	trans-1,2-Dichloroethene	0.572	0.593	-3.7	91	0.01
22 T	Diisopropyl ether	1.739	1.824	-4.9	91	0.00
23 T	Vinyl Acetate	0.999	1.021	-2.2	88	0.00
24 P	1,1-Dichloroethane	1.028	1.100	-7.0	92	0.00
25 T	2-Butanone	0.144	0.156	-8.3	95	0.00
26 T	2,2-Dichloropropane	0.931	0.987	-6.0	93	0.00
27 T	cis-1,2-Dichloroethene	0.662	0.699	-5.6	93	0.00
28 T	Bromochloromethane	0.429	0.474	-10.5	93	0.00
29 T	Tetrahydrofuran	0.096	0.099	-3.1	90	0.00
30 C	Chloroform	1.013	1.070	-5.6#	90	0.00
31 T	Cyclohexane	1.013	0.984	2.9	90	0.01
32 T	1,1,1-Trichloroethane	0.919	0.965	-5.0	91	0.00
33 S	1,2-Dichloroethane-d4	0.527	0.542	-2.8	88	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35 S	Dibromofluoromethane	0.293	0.299	-2.0	90	0.00
36 T	1,1-Dichloropropene	0.465	0.483	-3.9	92	0.00
37 T	Ethyl Acetate	0.197	0.199	-1.0	87	0.00
38 T	Carbon Tetrachloride	0.484	0.508	-5.0	92	0.00
39 T	Methylcyclohexane	0.618	0.621	-0.5	88	0.00
40 TM	Benzene	1.383	1.457	-5.4	91	0.00
41 T	Methacrylonitrile	0.120	0.125	-4.2	93	-0.02
42 TM	1,2-Dichloroethane	0.365	0.379	-3.8	90	0.00
43 T	Isopropyl Acetate	0.432	0.435	-0.7	87	0.00
44 TM	Trichloroethene	0.342	0.351	-2.6	89	0.00
45 C	1,2-Dichloropropane	0.325	0.341	-4.9#	92	0.00
46 T	Dibromomethane	0.181	0.186	-2.8	89	0.00
47 T	Bromodichloromethane	0.467	0.486	-4.1	91	0.00
48 T	Methyl methacrylate	0.200	0.212	-6.0	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022453.D
 Acq On : 29 May 2025 08:23
 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: May 30 05:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	86	0.00
50 S	Toluene-d8	1.194	1.216	-1.8	90	0.00
51 T	4-Methyl-2-Pentanone	0.213	0.219	-2.8	88	0.00
52 CM	Toluene	0.864	0.906	-4.9#	91	0.00
53 T	t-1,3-Dichloropropene	0.435	0.453	-4.1	91	0.00
54 T	cis-1,3-Dichloropropene	0.511	0.531	-3.9	91	0.00
55 T	1,1,2-Trichloroethane	0.229	0.235	-2.6	89	0.00
56 T	Ethyl methacrylate	0.329	0.334	-1.5	85	0.00
57 T	1,3-Dichloropropane	0.404	0.415	-2.7	89	0.00
58 T	2-Chloroethyl Vinyl ether	0.164	0.169	-3.0	88	0.00
59 T	2-Hexanone	0.140	0.147	-5.0	88	0.00
60 T	Dibromochloromethane	0.293	0.307	-4.8	89	0.00
61 T	1,2-Dibromoethane	0.210	0.214	-1.9	87	0.00
62 S	4-Bromofluorobenzene	0.361	0.361	0.0	89	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64 T	Tetrachloroethene	0.426	0.446	-4.7	90	0.00
65 PM	Chlorobenzene	1.066	1.114	-4.5	91	0.00
66 T	1,1,1,2-Tetrachloroethane	0.361	0.374	-3.6	88	0.00
67 C	Ethyl Benzene	1.980	2.068	-4.4#	91	0.00
68 T	m/p-Xylenes	0.751	0.779	-3.7	89	0.00
69 T	o-Xylene	0.705	0.730	-3.5	89	0.00
70 T	Styrene	1.175	1.240	-5.5	90	0.00
71 P	Bromoform	0.189	0.192	-1.6	87	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
73 T	Isopropylbenzene	3.935	4.134	-5.1	91	0.00
74 T	N-amyl acetate	0.963	1.015	-5.4	86	0.00
75 P	1,1,2,2-Tetrachloroethane	0.620	0.610	1.6	84	0.00
76 T	1,2,3-Trichloropropane	0.501	0.476	5.0	82	0.00
77 T	Bromobenzene	0.847	0.866	-2.2	86	0.00
78 T	n-propylbenzene	4.723	5.026	-6.4	90	0.00
79 T	2-Chlorotoluene	2.556	2.677	-4.7	90	0.00
80 T	1,3,5-Trimethylbenzene	3.075	3.227	-4.9	89	0.00
81 T	trans-1,4-Dichloro-2-butene	0.221	0.227	-2.7	89	0.00
82 T	4-Chlorotoluene	2.633	2.752	-4.5	89	0.00
83 T	tert-Butylbenzene	2.778	2.948	-6.1	91	0.00
84 T	1,2,4-Trimethylbenzene	3.094	3.263	-5.5	89	0.00
85 T	sec-Butylbenzene	4.120	4.368	-6.0	89	0.00
86 T	p-Isopropyltoluene	3.440	3.645	-6.0	89	0.00
87 T	1,3-Dichlorobenzene	1.704	1.747	-2.5	87	0.00
88 T	1,4-Dichlorobenzene	1.629	1.697	-4.2	88	0.00
89 T	n-Butylbenzene	3.226	3.455	-7.1	88	0.00
90 T	Hexachloroethane	0.685	0.722	-5.4	89	0.00
91 T	1,2-Dichlorobenzene	1.423	1.485	-4.4	89	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.096	0.093	3.1	85	0.00
93 T	1,2,4-Trichlorobenzene	0.789	0.811	-2.8	83	0.00
94 T	Hexachlorobutadiene	0.414	0.424	-2.4	85	0.00
95 T	Naphthalene	1.459	1.517	-4.0	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
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: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	0.647	0.679	-4.9	84	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022453.D
 Acq On : 29 May 2025 08:23
 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: May 30 05:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 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	86	0.00
2 T	Dichlorodifluoromethane	50.000	46.403	7.2	90	0.00
3 P	Chloromethane	50.000	46.008	8.0	78	0.00
4 C	Vinyl Chloride	50.000	50.535	-1.1#	86	0.00
5 T	Bromomethane	50.000	43.784	12.4	77	0.00
6 T	Chloroethane	50.000	53.233	-6.5	84	0.00
7 T	Trichlorofluoromethane	50.000	49.675	0.7	86	0.00
8 T	Diethyl Ether	50.000	52.335	-4.7	91	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.499	-3.0	90	0.00
10 T	Methyl Iodide	50.000	55.169	-10.3	88	0.00
11 T	Tert butyl alcohol	250.000	243.099	2.8	88	0.00
12 CM	1,1-Dichloroethene	50.000	51.275	-2.5#	91	0.00
13 T	Acrolein	250.000	138.958	44.4#	47	0.00
14 T	Allyl chloride	50.000	53.706	-7.4	93	0.01
15 T	Acrylonitrile	250.000	260.652	-4.3	90	0.00
16 T	Acetone	250.000	299.687	-19.9	106	0.00
17 T	Carbon Disulfide	50.000	51.656	-3.3	90	0.00
18 T	Methyl Acetate	50.000	54.988	-10.0	100	0.00
19 T	Methyl tert-butyl Ether	50.000	51.382	-2.8	89	0.00
20 T	Methylene Chloride	50.000	48.985	2.0	94	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.821	-3.6	91	0.01
22 T	Diisopropyl ether	50.000	52.428	-4.9	91	0.00
23 T	Vinyl Acetate	250.000	255.731	-2.3	88	0.00
24 P	1,1-Dichloroethane	50.000	53.525	-7.0	92	0.00
25 T	2-Butanone	250.000	270.697	-8.3	95	0.00
26 T	2,2-Dichloropropane	50.000	53.021	-6.0	93	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.781	-5.6	93	0.00
28 T	Bromochloromethane	50.000	55.263	-10.5	93	0.00
29 T	Tetrahydrofuran	250.000	256.623	-2.6	90	0.00
30 C	Chloroform	50.000	52.831	-5.7#	90	0.00
31 T	Cyclohexane	50.000	48.562	2.9	90	0.01
32 T	1,1,1-Trichloroethane	50.000	52.490	-5.0	91	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.485	-3.0	88	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35 S	Dibromofluoromethane	50.000	51.078	-2.2	90	0.00
36 T	1,1-Dichloropropene	50.000	51.977	-4.0	92	0.00
37 T	Ethyl Acetate	50.000	50.504	-1.0	87	0.00
38 T	Carbon Tetrachloride	50.000	52.449	-4.9	92	0.00
39 T	Methylcyclohexane	50.000	50.278	-0.6	88	0.00
40 TM	Benzene	50.000	52.686	-5.4	91	0.00
41 T	Methacrylonitrile	50.000	52.208	-4.4	93	-0.02
42 TM	1,2-Dichloroethane	50.000	51.926	-3.9	90	0.00
43 T	Isopropyl Acetate	50.000	50.350	-0.7	87	0.00
44 TM	Trichloroethene	50.000	51.329	-2.7	89	0.00
45 C	1,2-Dichloropropane	50.000	52.560	-5.1#	92	0.00
46 T	Dibromomethane	50.000	51.150	-2.3	89	0.00
47 T	Bromodichloromethane	50.000	52.116	-4.2	91	0.00
48 T	Methyl methacrylate	50.000	52.848	-5.7	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022453.D
 Acq On : 29 May 2025 08:23
 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: May 30 05:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 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	975.883	2.4	86	0.00
50 S	Toluene-d8	50.000	50.917	-1.8	90	0.00
51 T	4-Methyl-2-Pentanone	250.000	257.545	-3.0	88	0.00
52 CM	Toluene	50.000	52.454	-4.9#	91	0.00
53 T	t-1,3-Dichloropropene	50.000	52.136	-4.3	91	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.992	-4.0	91	0.00
55 T	1,1,2-Trichloroethane	50.000	51.165	-2.3	89	0.00
56 T	Ethyl methacrylate	50.000	50.656	-1.3	85	0.00
57 T	1,3-Dichloropropane	50.000	51.375	-2.8	89	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	258.077	-3.2	88	0.00
59 T	2-Hexanone	250.000	262.819	-5.1	88	0.00
60 T	Dibromochloromethane	50.000	52.335	-4.7	89	0.00
61 T	1,2-Dibromoethane	50.000	51.091	-2.2	87	0.00
62 S	4-Bromofluorobenzene	50.000	49.979	0.0	89	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64 T	Tetrachloroethene	50.000	52.318	-4.6	90	0.00
65 PM	Chlorobenzene	50.000	52.240	-4.5	91	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.821	-3.6	88	0.00
67 C	Ethyl Benzene	50.000	52.235	-4.5#	91	0.00
68 T	m/p-Xylenes	100.000	103.724	-3.7	89	0.00
69 T	o-Xylene	50.000	51.717	-3.4	89	0.00
70 T	Styrene	50.000	52.776	-5.6	90	0.00
71 P	Bromoform	50.000	50.779	-1.6	87	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	85	0.00
73 T	Isopropylbenzene	50.000	52.527	-5.1	91	0.00
74 T	N-amyl acetate	50.000	52.730	-5.5	86	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.179	1.6	84	0.00
76 T	1,2,3-Trichloropropane	50.000	47.513	5.0	82	0.00
77 T	Bromobenzene	50.000	51.142	-2.3	86	0.00
78 T	n-propylbenzene	50.000	53.216	-6.4	90	0.00
79 T	2-Chlorotoluene	50.000	52.357	-4.7	90	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.483	-5.0	89	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.193	-2.4	89	0.00
82 T	4-Chlorotoluene	50.000	52.262	-4.5	89	0.00
83 T	tert-Butylbenzene	50.000	53.068	-6.1	91	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.724	-5.4	89	0.00
85 T	sec-Butylbenzene	50.000	53.014	-6.0	89	0.00
86 T	p-Isopropyltoluene	50.000	52.981	-6.0	89	0.00
87 T	1,3-Dichlorobenzene	50.000	51.269	-2.5	87	0.00
88 T	1,4-Dichlorobenzene	50.000	52.077	-4.2	88	0.00
89 T	n-Butylbenzene	50.000	53.553	-7.1	88	0.00
90 T	Hexachloroethane	50.000	52.707	-5.4	89	0.00
91 T	1,2-Dichlorobenzene	50.000	52.156	-4.3	89	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.716	2.6	85	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.370	-2.7	83	0.00
94 T	Hexachlorobutadiene	50.000	51.258	-2.5	85	0.00
95 T	Naphthalene	50.000	51.987	-4.0	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022453.D
Acq On : 29 May 2025 08:23
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: May 30 05:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	52.456	-4.9	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: MSVOA_Y Calibration Date/Time: 06/02/2025 12:54

Lab File ID: VY022494.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.413		-7.81	
Chloromethane	1.322	1.230		-6.96	
Vinyl Chloride	1.534	1.497		-2.41	
Bromomethane	1.470	1.240		-15.65	
Chloroethane	1.053	0.965		-8.36	
Trichlorofluoromethane	1.302	1.224		-5.99	
1,1,2-Trichlorotrifluoroethane	0.549	0.538		-2	
1,1-Dichloroethene	0.524	0.518		-1.14	
Acetone	0.114	0.116		1.75	
Carbon Disulfide	1.679	1.664		-0.89	
Methyl tert-butyl Ether	1.477	1.470		-0.47	
Methyl Acetate	0.336	0.333		-0.89	
Methylene Chloride	0.645	0.574		-11.01	
trans-1,2-Dichloroethene	0.587	0.571		-2.73	
1,1-Dichloroethane	1.079	1.060		-1.76	
Cyclohexane	1.075	1.015		-5.58	
2-Butanone	0.164	0.168		2.44	
Carbon Tetrachloride	0.497	0.508		2.21	
cis-1,2-Dichloroethene	0.678	0.682		0.59	
Bromochloromethane	0.471	0.454		-3.61	
Chloroform	1.069	1.058		-1.03	
1,1,1-Trichloroethane	0.949	0.948		-0.1	
Methylcyclohexane	0.651	0.657		0.92	
Benzene	1.431	1.441		0.7	
1,2-Dichloroethane	0.391	0.390		-0.26	
Trichloroethene	0.350	0.355		1.43	
1,2-Dichloropropane	0.338	0.344		1.77	
Bromodichloromethane	0.482	0.491		1.87	
4-Methyl-2-Pentanone	0.233	0.243		4.29	
Toluene	0.899	0.903		0.44	
t-1,3-Dichloropropene	0.452	0.461		1.99	
cis-1,3-Dichloropropene	0.526	0.537		2.09	
1,1,2-Trichloroethane	0.243	0.242		-0.41	
2-Hexanone	0.156	0.162		3.85	
Dibromochloromethane	0.308	0.314		1.95	
1,2-Dibromoethane	0.221	0.223		0.9	
Tetrachloroethene	0.430	0.437		1.63	
Chlorobenzene	1.106	1.116		0.9	

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: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: MSVOA_Y Calibration Date/Time: 06/02/2025 12:54

Lab File ID: VY022494.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.052	2.083		1.51	
m/p-Xylenes	0.778	0.785		0.9	
o-Xylene	0.729	0.734		0.69	
Styrene	1.206	1.233		2.24	
Bromoform	0.198	0.201		1.51	
Isopropylbenzene	4.105	4.136		0.75	
1,1,2,2-Tetrachloroethane	0.674	0.682		1.19	
1,3-Dichlorobenzene	1.755	1.733		-1.25	
1,4-Dichlorobenzene	1.702	1.701		-0.06	
1,2-Dichlorobenzene	1.490	1.512		1.48	
1,2-Dibromo-3-Chloropropane	0.098	0.105		7.14	
1,2,4-Trichlorobenzene	0.813	0.817		0.49	
1,2,3-Trichlorobenzene	0.697	0.699		0.29	
1,2-Dichloroethane-d4	0.559	0.591		5.72	
Dibromofluoromethane	0.298	0.321		7.72	
Toluene-d8	1.206	1.279		6.05	
4-Bromofluorobenzene	0.359	0.372		3.62	

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\VY060225\
 Data File : VY022494.D
 Acq On : 02 Jun 2025 12:54
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	209963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124098	54.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.640%			
35) Dibromofluoromethane	7.640	113	112624	54.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.020%			
50) Toluene-d8	10.109	98	448690	53.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.460%			
62) 4-Bromofluorobenzene	12.408	95	130393	51.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	86654	47.230	ug/l	100
3) Chloromethane	2.068	50	258324	47.727	ug/l	100
4) Vinyl Chloride	2.202	62	314332	49.618	ug/l	100
5) Bromomethane	2.598	94	260442	43.463	ug/l	100
6) Chloroethane	2.739	64	202595	46.711	ug/l	100
7) Trichlorofluoromethane	3.056	101	257006	47.749	ug/l	100
8) Diethyl Ether	3.464	74	61045	51.349	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	112910	50.009	ug/l	100
10) Methyl Iodide	4.007	142	135237	55.855	ug/l	100
11) Tert butyl alcohol	4.885	59	41304	253.096	ug/l	100
12) 1,1-Dichloroethene	3.800	96	108756	50.463	ug/l	100
13) Acrolein	3.659	56	50388	252.946	ug/l	100
14) Allyl chloride	4.391	41	169258	50.399	ug/l	100
15) Acrylonitrile	5.068	53	132018	261.075	ug/l	100
16) Acetone	3.879	43	121507	269.036	ug/l	100
17) Carbon Disulfide	4.110	76	349342	50.769	ug/l	100
18) Methyl Acetate	4.397	43	69815	51.384	ug/l	100
19) Methyl tert-butyl Ether	5.129	73	308578	51.316	ug/l	100
20) Methylene Chloride	4.623	84	120562	47.810	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	119917	49.807	ug/l	100
22) Diisopropyl ether	6.025	45	381760	51.120	ug/l	100
23) Vinyl Acetate	5.970	43	1137415	256.734	ug/l	100
24) 1,1-Dichloroethane	5.921	63	222533	50.410	ug/l	100
25) 2-Butanone	6.903	43	176185	264.461	ug/l	100
26) 2,2-Dichloropropane	6.890	77	198763	50.650	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	143210	51.463	ug/l	100
28) Bromochloromethane	7.250	49	95397	50.015	ug/l	100
29) Tetrahydrofuran	7.268	42	109698	255.247	ug/l	100
30) Chloroform	7.427	83	222226	50.944	ug/l	100
31) Cyclohexane	7.707	56	213031	47.951	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	199103	51.074	ug/l	100
36) 1,1-Dichloropropene	7.841	75	170708	51.116	ug/l	100
37) Ethyl Acetate	6.994	43	80426	54.721	ug/l	100
38) Carbon Tetrachloride	7.823	117	178292	51.787	ug/l	100
39) Methylcyclohexane	9.116	83	230536	51.100	ug/l	100
40) Benzene	8.085	78	505749	51.376	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022494.D
 Acq On : 02 Jun 2025 12:54
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	43865	46.342	ug/l	100
42) 1,2-Dichloroethane	8.165	62	136876	51.114	ug/l	100
43) Isopropyl Acetate	8.201	43	167771	52.237	ug/l	100
44) Trichloroethene	8.866	130	124670	51.843	ug/l	100
45) 1,2-Dichloropropane	9.146	63	120660	51.415	ug/l	100
46) Dibromomethane	9.231	93	67690	51.485	ug/l	100
47) Bromodichloromethane	9.427	83	172341	51.664	ug/l	100
48) Methyl methacrylate	9.225	41	77885	52.963	ug/l	100
49) 1,4-Dioxane	9.244	88	15334	977.637	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	425868	267.154	ug/l	100
52) Toluene	10.176	92	316972	51.213	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	161859	52.450	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	188559	52.108	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	84788	51.209	ug/l	100
56) Ethyl methacrylate	10.445	69	127271	52.930	ug/l	100
57) 1,3-Dichloropropane	10.719	76	152809	51.821	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	279669	260.896	ug/l	100
59) 2-Hexanone	10.762	43	283601	266.885	ug/l	100
60) Dibromochloromethane	10.914	129	110314	52.582	ug/l	100
61) 1,2-Dibromoethane	11.018	107	78151	51.150	ug/l	100
64) Tetrachloroethene	10.652	164	130171	51.367	ug/l	100
65) Chlorobenzene	11.444	112	332645	51.447	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112934	51.526	ug/l	100
67) Ethyl Benzene	11.518	91	621031	51.577	ug/l	100
68) m/p-Xylenes	11.633	106	468441	102.795	ug/l	100
69) o-Xylene	11.957	106	218760	51.293	ug/l	100
70) Styrene	11.969	104	367553	52.052	ug/l	100
71) Bromoform	12.133	173	59888	51.996	ug/l #	100
73) Isopropylbenzene	12.255	105	577133	51.329	ug/l	100
74) N-amyl acetate	12.072	43	149637	52.627	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	95218	52.145	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	87965m	47.747	ug/l	
77) Bromobenzene	12.536	156	121092	50.812	ug/l	100
78) n-propylbenzene	12.597	91	707143	51.667	ug/l	100
79) 2-Chlorotoluene	12.682	91	373402	51.670	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	455006	51.754	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	32630	50.780	ug/l	100
82) 4-Chlorotoluene	12.780	91	387296	51.710	ug/l	100
83) tert-Butylbenzene	12.999	119	404519	50.438	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	449372	51.088	ug/l	100
85) sec-Butylbenzene	13.176	105	623185	51.250	ug/l	100
86) p-Isopropyltoluene	13.292	119	510026	51.018	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	241816	50.717	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	237429	51.108	ug/l	100
89) n-Butylbenzene	13.621	91	493153	51.811	ug/l	100
90) Hexachloroethane	13.883	117	99901	51.068	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	211065	51.528	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14697	53.244	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	114007	50.919	ug/l	100
94) Hexachlorobutadiene	15.023	225	62434	51.054	ug/l	100
95) Naphthalene	15.145	128	226073	52.686	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	97609	51.295	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

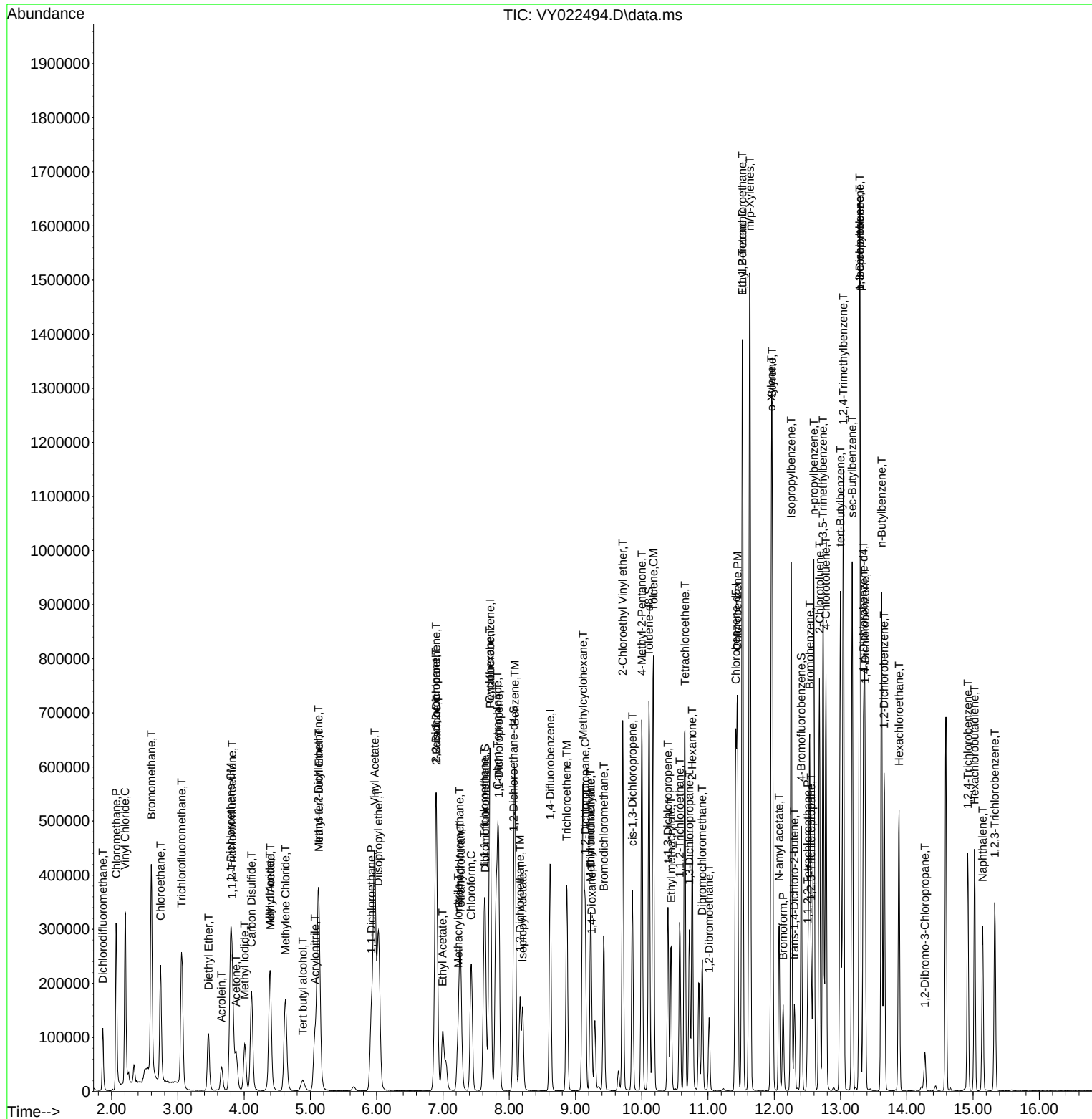
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022494.D
 Acq On : 02 Jun 2025 12:54
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

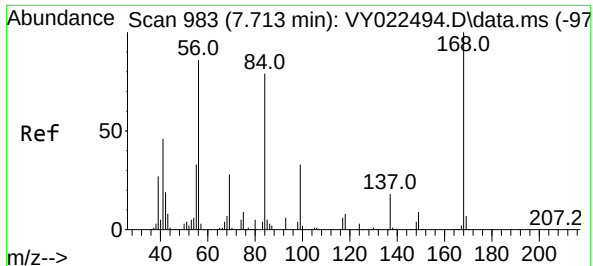
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 03 02:55:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

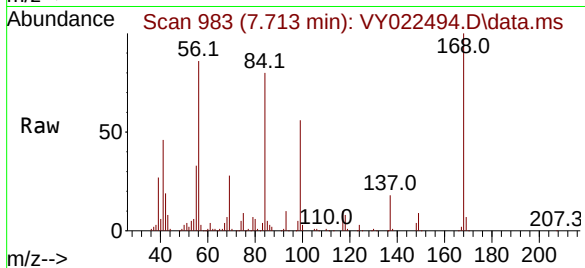
Reviewed By : Semsettin Yesilyurt 06/03/2025
 Supervised By : Mahesh Dadoda 06/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

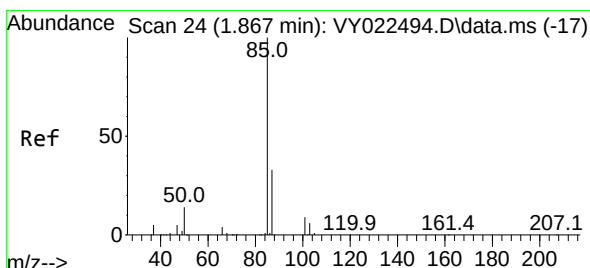
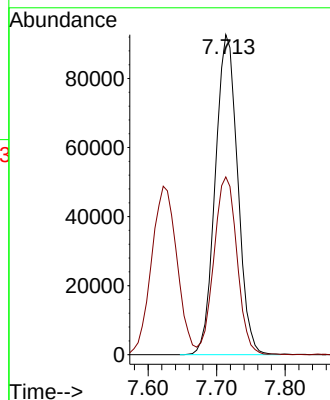
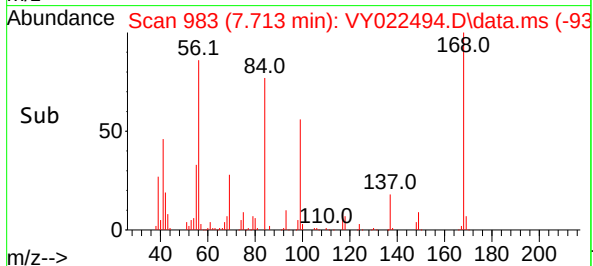
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 20996
Ion Ratio Lower Upper
168 100
99 55.4 44.3 66.5

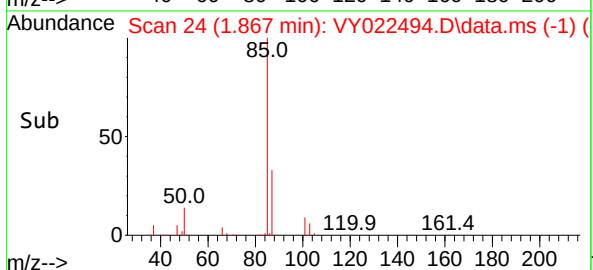
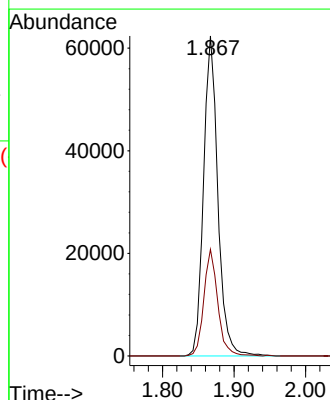
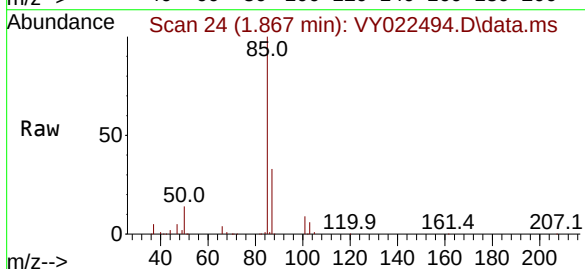
Manual Integrations
APPROVED

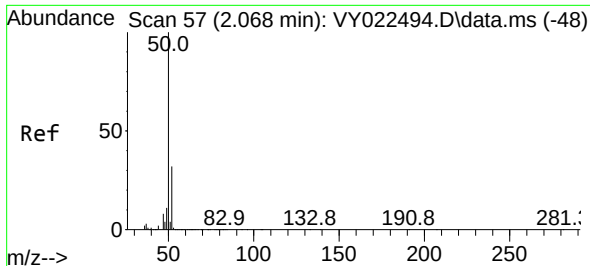
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#2
Dichlorodifluoromethane
Concen: 47.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

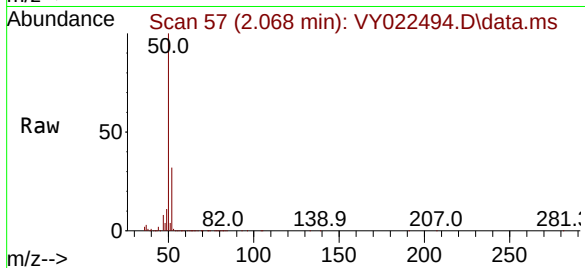
Tgt Ion: 85 Resp: 86654
Ion Ratio Lower Upper
85 100
87 33.3 16.7 50.0





#3
Chloromethane
Concen: 47.727 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

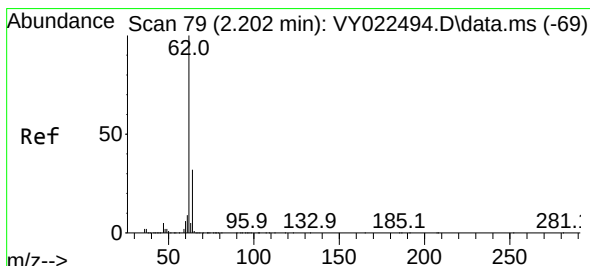
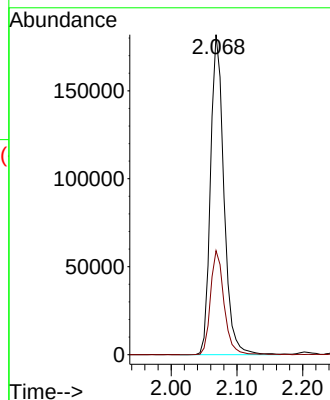
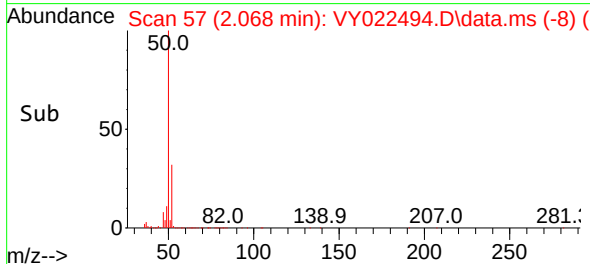
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



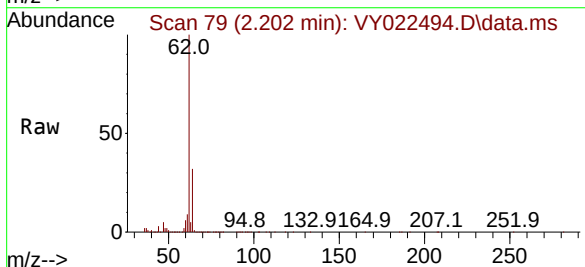
Tgt Ion: 50 Resp: 258324
Ion Ratio Lower Upper
50 100
52 32.5 26.0 39.0

Manual Integrations
APPROVED

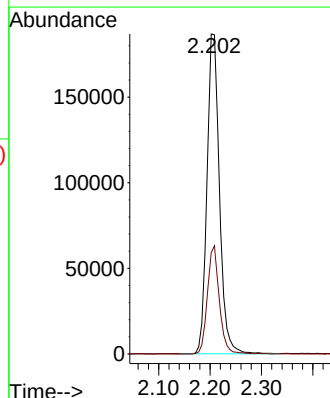
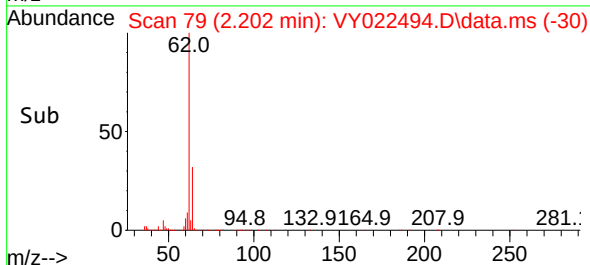
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

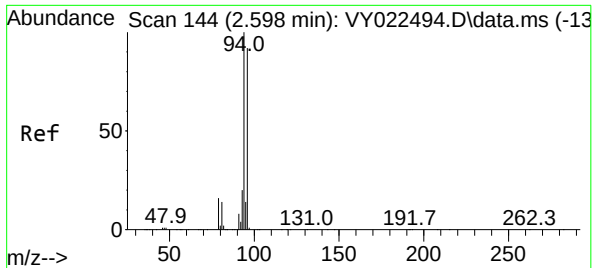


#4
Vinyl Chloride
Concen: 49.618 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



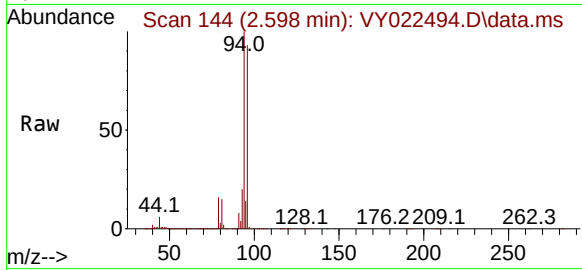
Tgt Ion: 62 Resp: 314332
Ion Ratio Lower Upper
62 100
64 31.6 25.3 37.9





#5
Bromomethane
Concen: 43.463 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

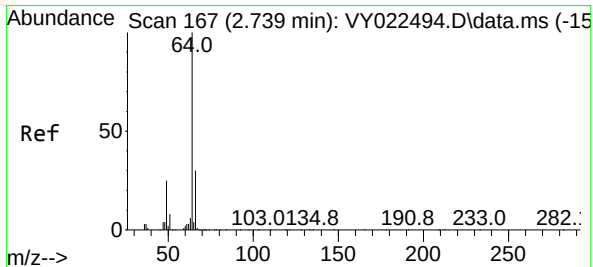
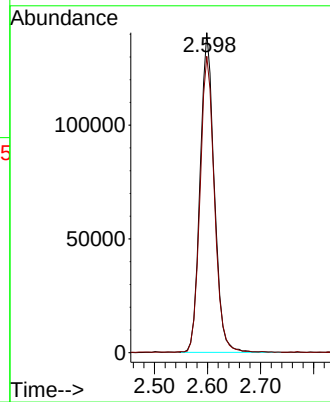
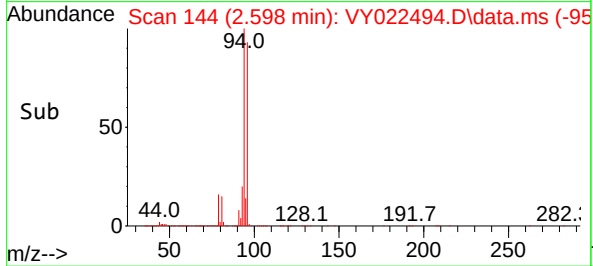
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



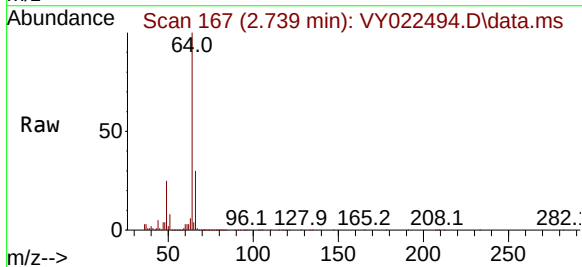
Tgt Ion: 94 Resp: 260442
Ion Ratio Lower Upper
94 100
96 92.5 74.0 111.0

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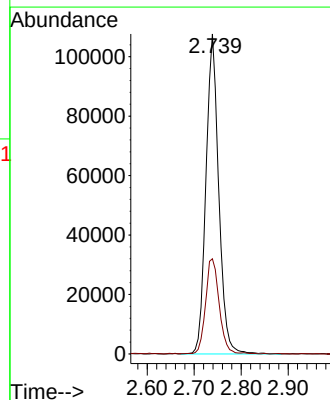
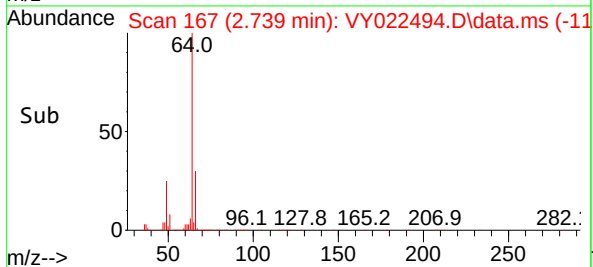
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

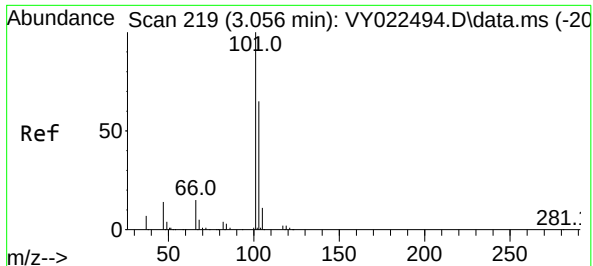


#6
Chloroethane
Concen: 46.711 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



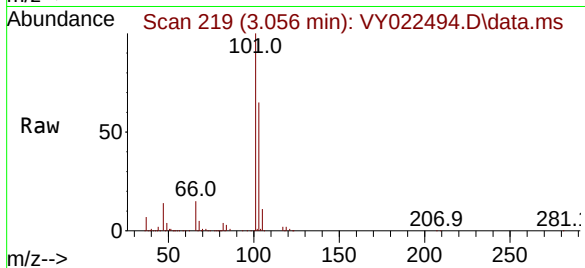
Tgt Ion: 64 Resp: 202595
Ion Ratio Lower Upper
64 100
66 29.7 23.8 35.6





#7
 Trichlorofluoromethane
 Concen: 47.749 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY022494.D
 Acq: 02 Jun 2025 12:54

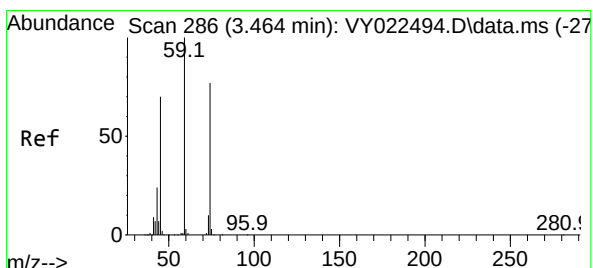
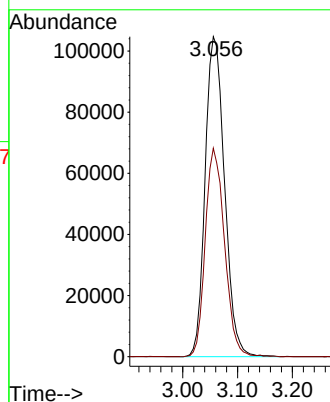
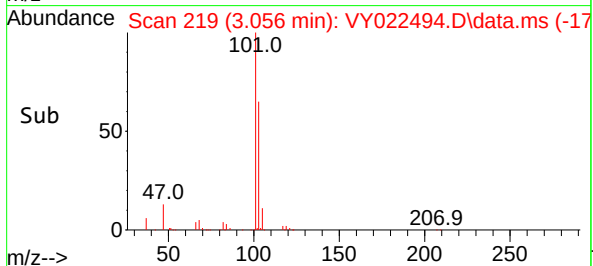
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050



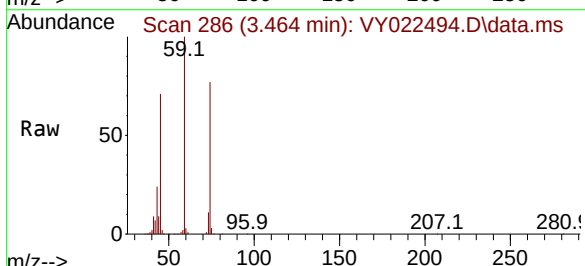
Tgt Ion:101 Resp: 257000
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.2 78.2

Manual Integrations
 APPROVED

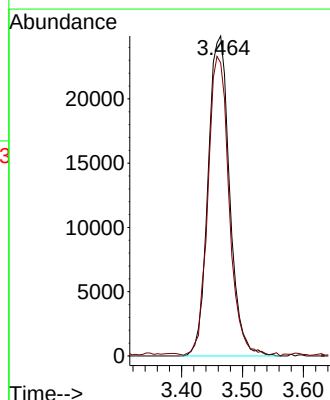
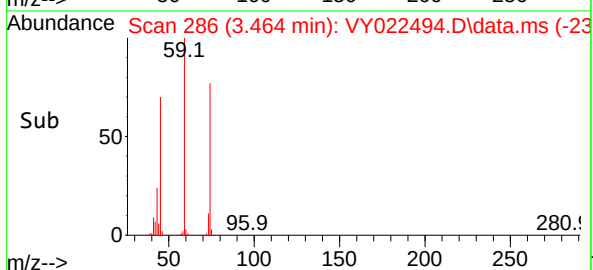
Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

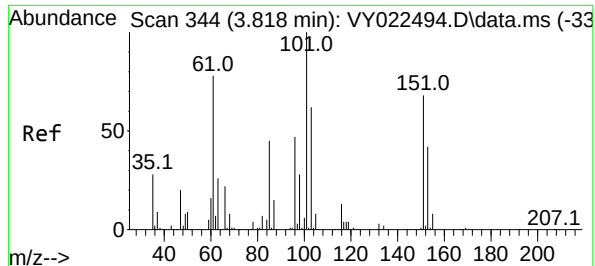


#8
 Diethyl Ether
 Concen: 51.349 ug/l
 RT: 3.464 min Scan# 286
 Delta R.T. 0.000 min
 Lab File: VY022494.D
 Acq: 02 Jun 2025 12:54



Tgt Ion: 74 Resp: 61045
 Ion Ratio Lower Upper
 74 100
 45 91.7 45.9 137.6





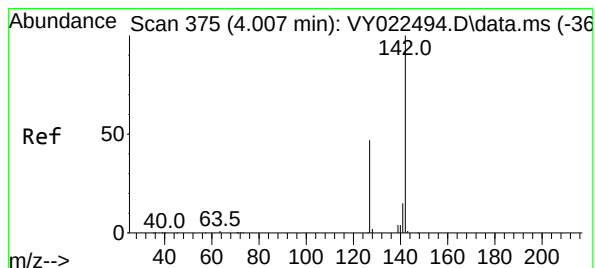
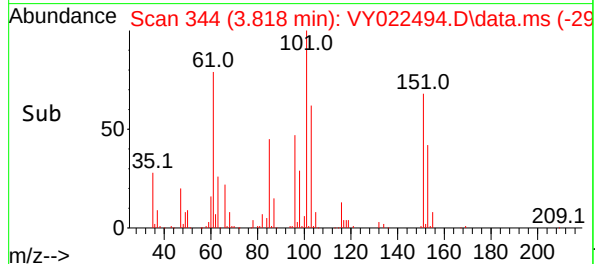
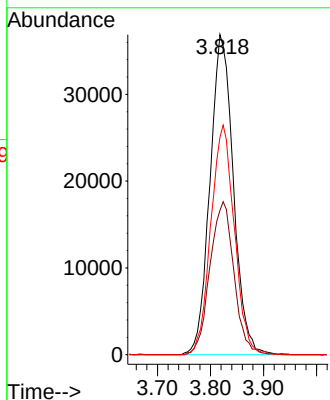
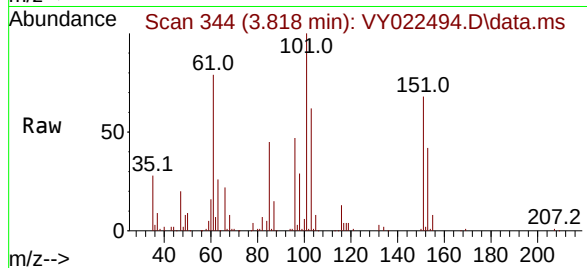
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.009 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 112910
Ion Ratio Lower Upper
101 100
85 49.1 39.3 58.9
151 72.3 57.8 86.8

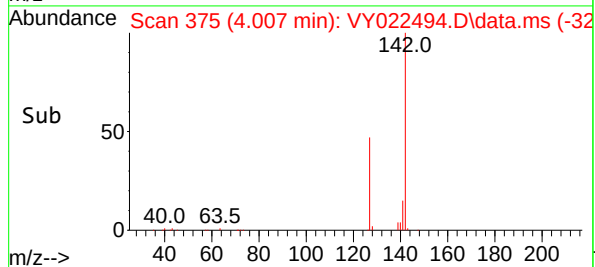
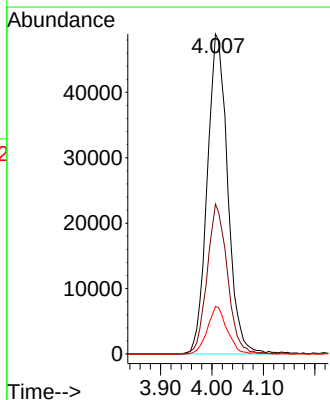
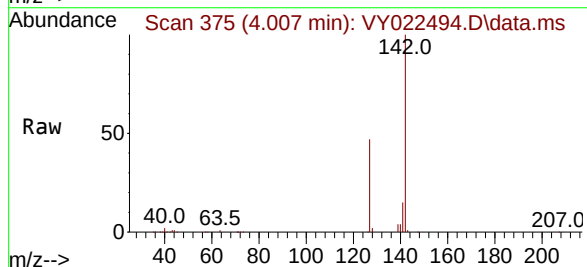
Manual Integrations
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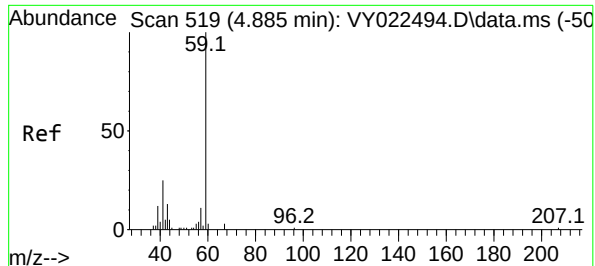
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#10
Methyl Iodide
Concen: 55.855 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:142 Resp: 135237
Ion Ratio Lower Upper
142 100
127 46.4 37.1 55.7
141 14.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 253.096 ug/l

RT: 4.885 min Scan# 519

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 41304

Ion Ratio Lower Upper

59 100

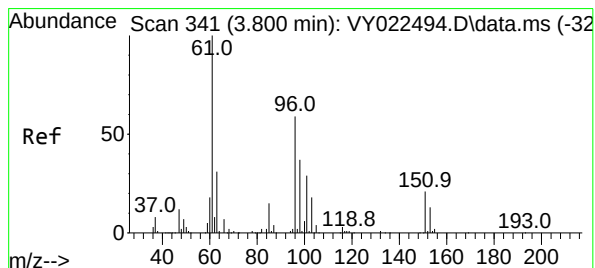
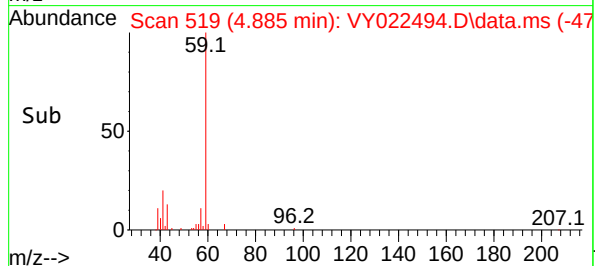
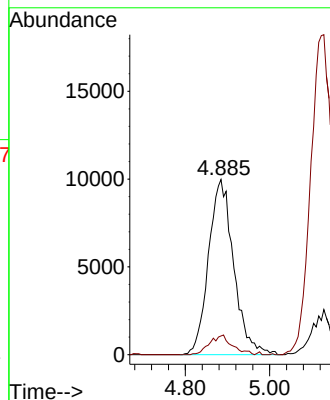
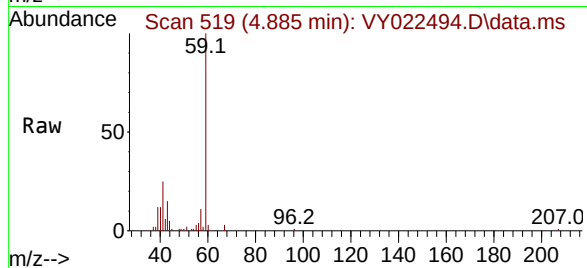
57 10.0 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#12

1,1-Dichloroethene

Concen: 50.463 ug/l

RT: 3.800 min Scan# 341

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

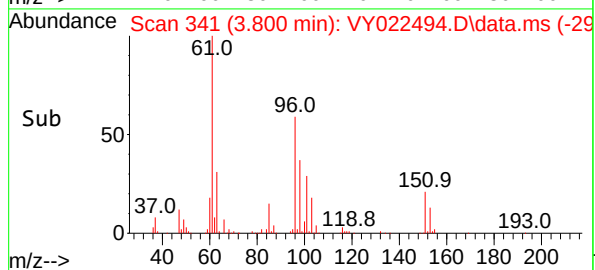
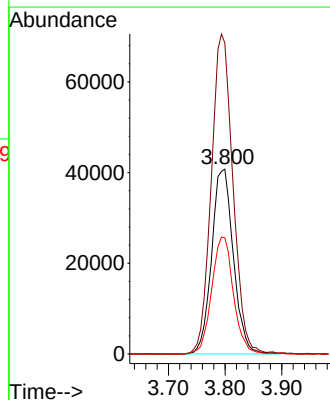
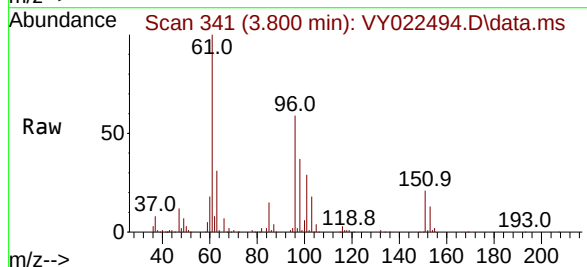
Tgt Ion: 96 Resp: 108756

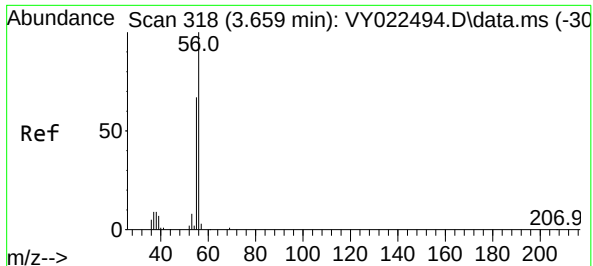
Ion Ratio Lower Upper

96 100

61 168.2 134.6 201.8

98 62.8 50.2 75.4





#13

Acrolein

Concen: 252.946 ug/l

RT: 3.659 min Scan# 318

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 50388

Ion Ratio Lower Upper

56 100

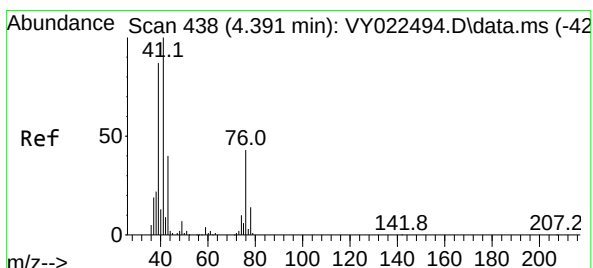
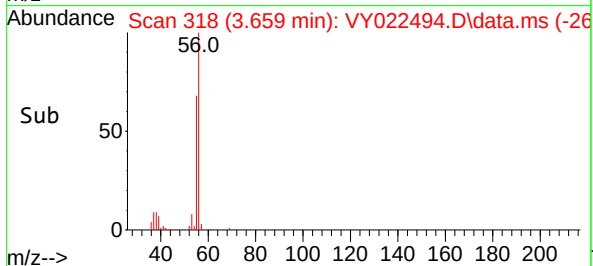
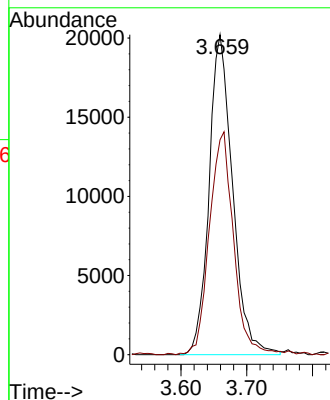
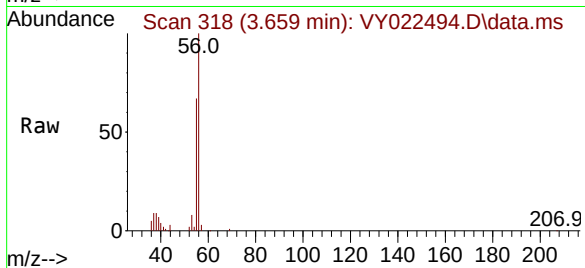
55 71.3 57.0 85.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#14

Allyl chloride

Concen: 50.399 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

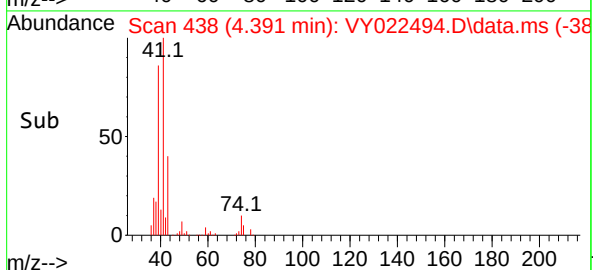
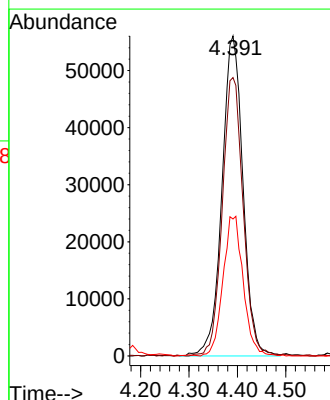
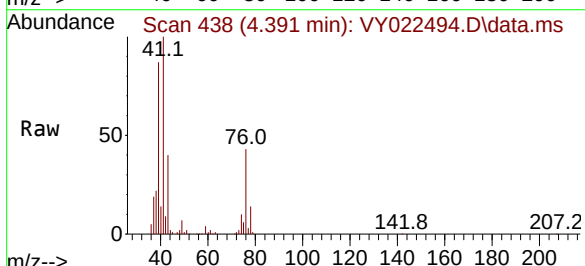
Tgt Ion: 41 Resp: 169258

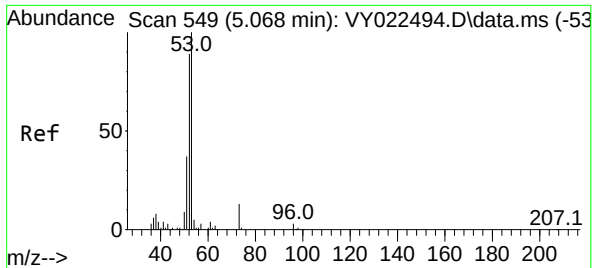
Ion Ratio Lower Upper

41 100

39 86.4 69.1 103.7

76 41.9 33.5 50.3





#15

Acrylonitrile

Concen: 261.075 ug/l

RT: 5.068 min Scan# 549

Delta R.T. 0.000 min

Lab File: VY022494.D

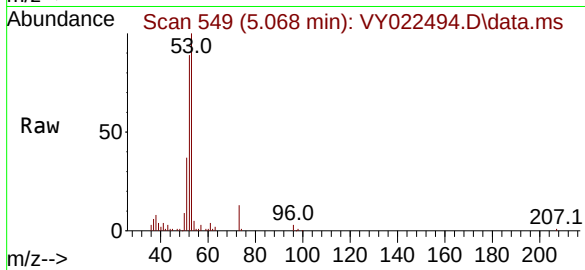
Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050



Tgt Ion: 53 Resp: 132018

Ion Ratio Lower Upper

53 100

52 82.1 65.7 98.5

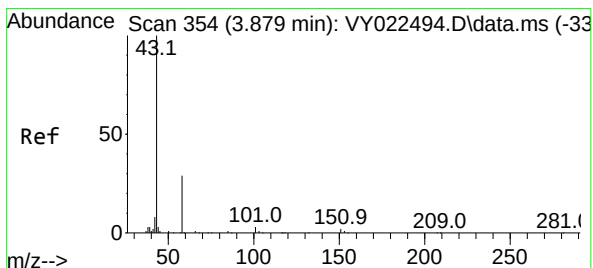
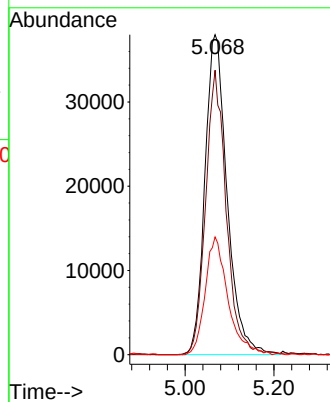
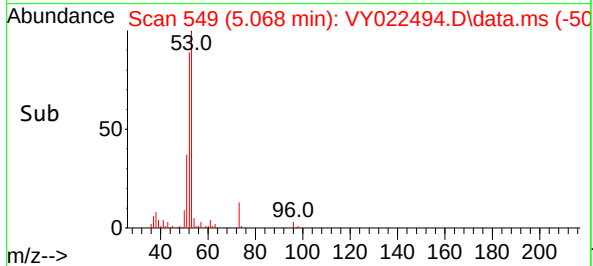
51 37.6 30.1 45.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#16

Acetone

Concen: 269.036 ug/l

RT: 3.879 min Scan# 354

Delta R.T. 0.000 min

Lab File: VY022494.D

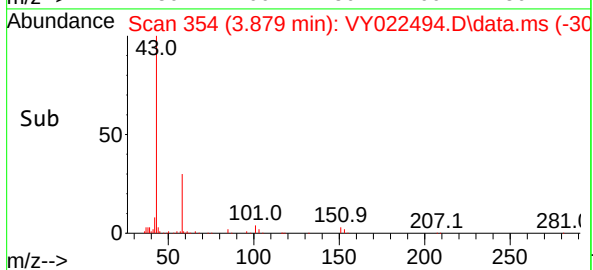
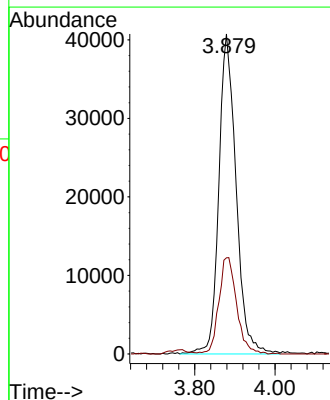
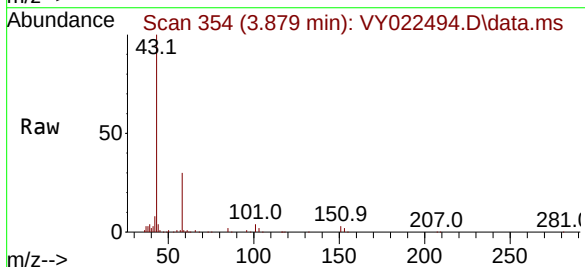
Acq: 02 Jun 2025 12:54

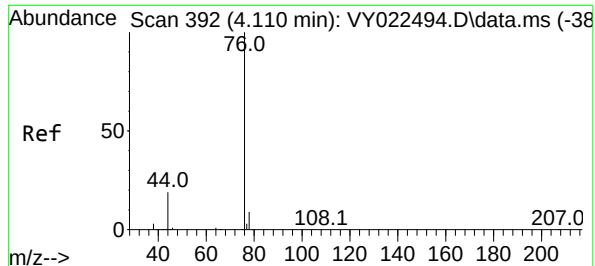
Tgt Ion: 43 Resp: 121507

Ion Ratio Lower Upper

43 100

58 30.0 24.0 36.0





#17

Carbon Disulfide

Concen: 50.769 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 34934

Ion Ratio Lower Upper

76 100

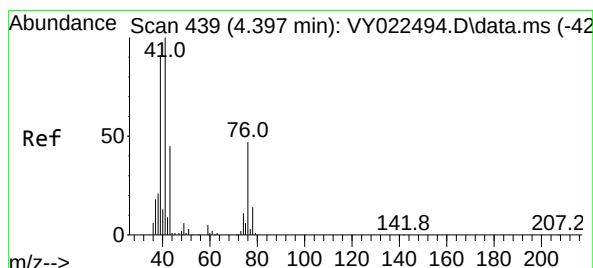
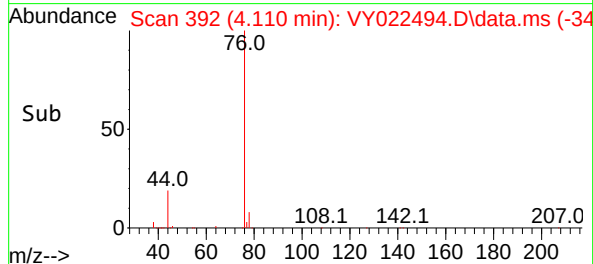
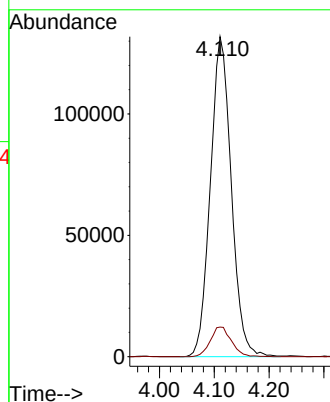
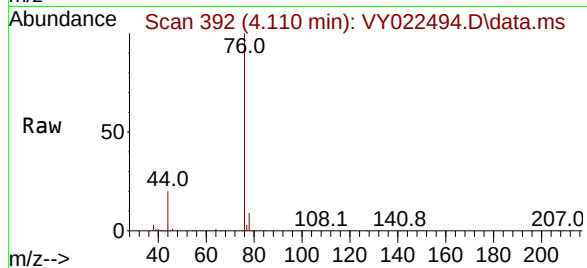
78 9.3 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#18

Methyl Acetate

Concen: 51.384 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.000 min

Lab File: VY022494.D

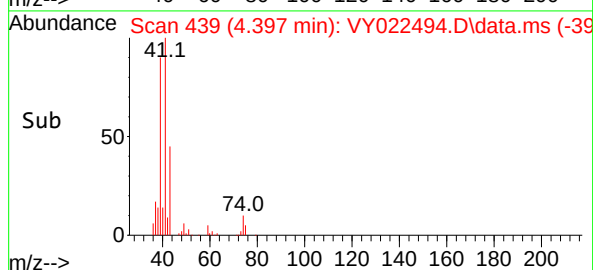
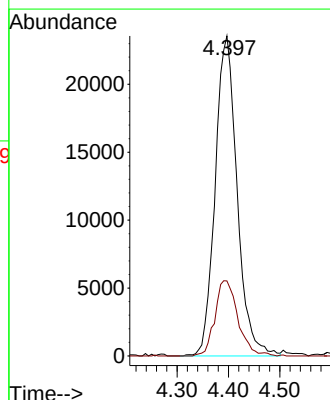
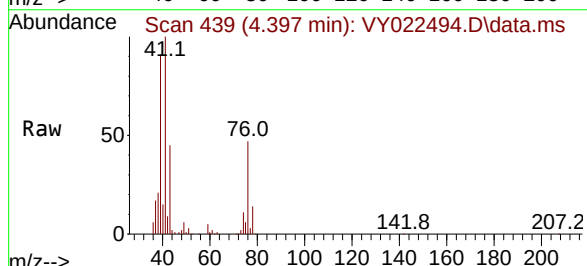
Acq: 02 Jun 2025 12:54

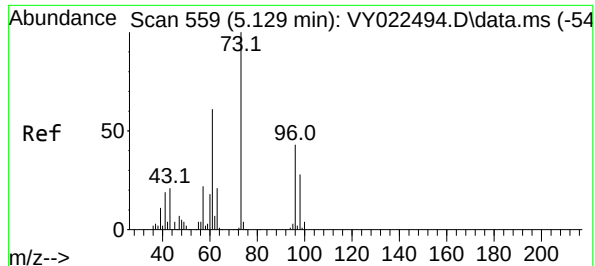
Tgt Ion: 43 Resp: 69815

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 51.316 ug/l

RT: 5.129 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 308578

Ion Ratio Lower Upper

73 100

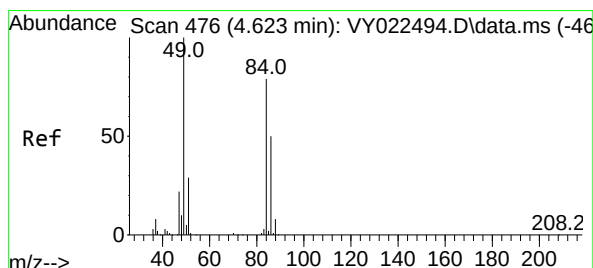
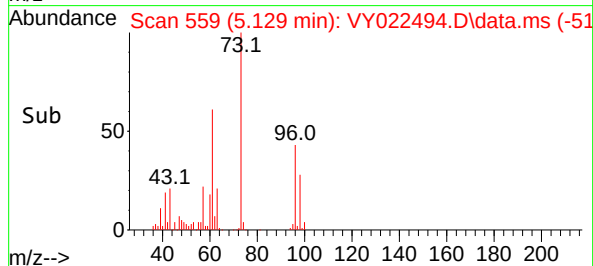
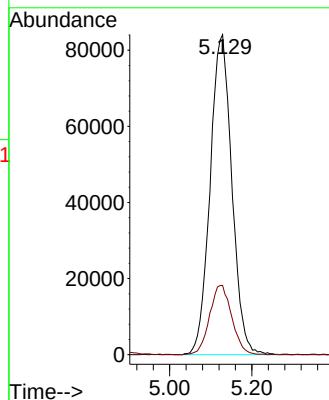
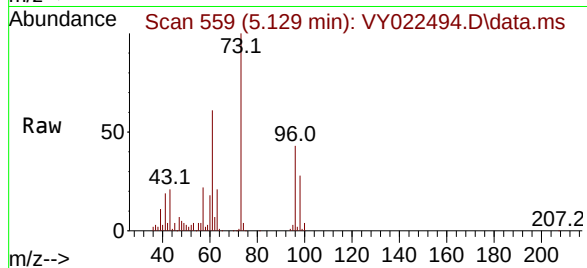
57 21.7 17.4 26.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#20

Methylene Chloride

Concen: 47.810 ug/l

RT: 4.623 min Scan# 476

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Tgt Ion: 84 Resp: 120562

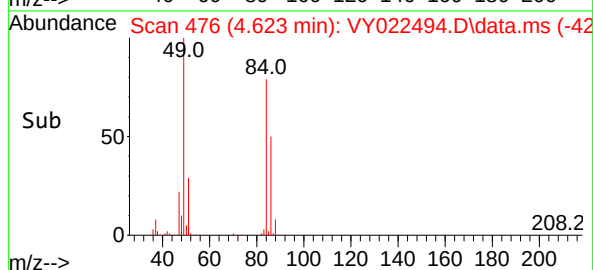
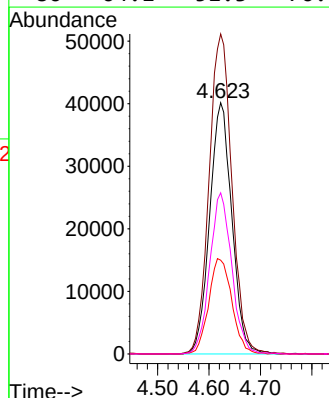
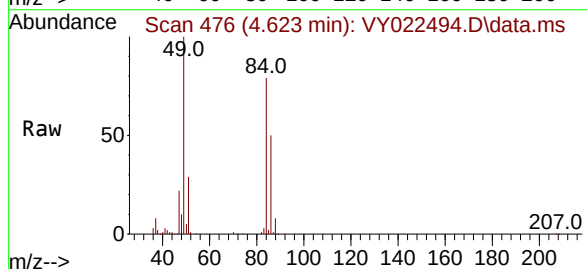
Ion Ratio Lower Upper

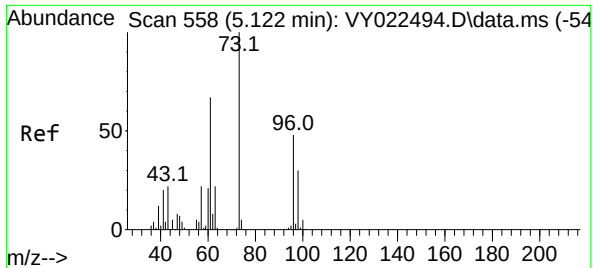
84 100

49 127.4 101.9 152.9

51 37.3 29.8 44.8

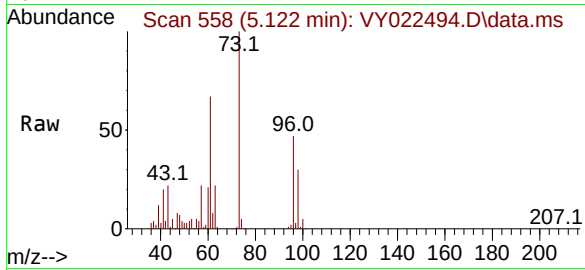
86 64.1 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 49.807 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

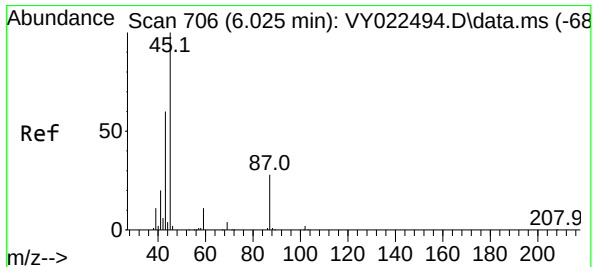
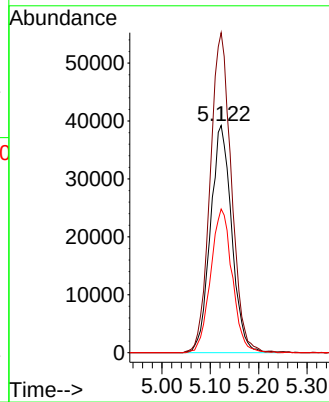
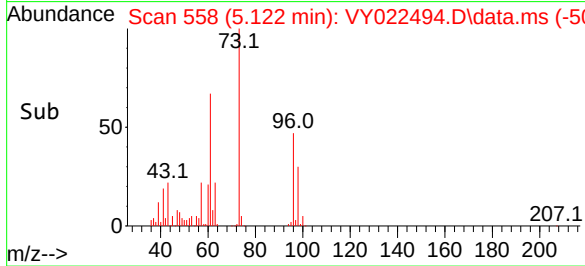
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 11991
Ion Ratio Lower Upper
96 100
61 140.8 112.6 169.0
98 63.2 50.6 75.8

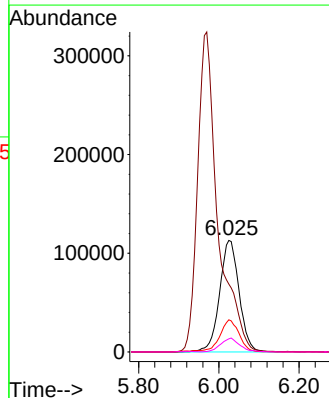
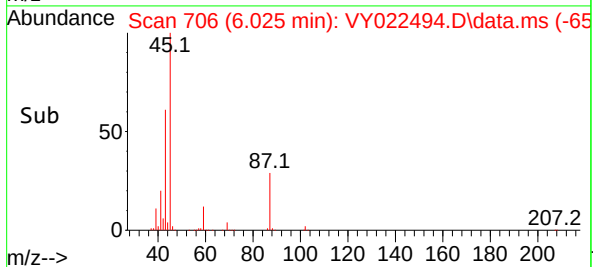
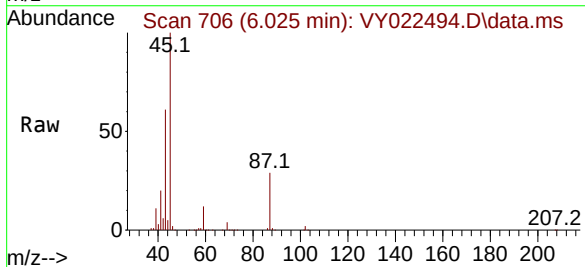
Manual Integrations
APPROVED

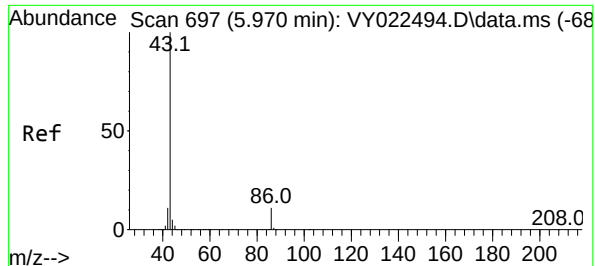
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#22
Diisopropyl ether
Concen: 51.120 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 45 Resp: 381760
Ion Ratio Lower Upper
45 100
43 60.4 48.3 72.5
87 28.8 23.0 34.6
59 11.7 9.4 14.0





#23

Vinyl Acetate

Concen: 256.734 ug/l

RT: 5.970 min Scan# 697

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 113741

Ion Ratio Lower Upper

43 100

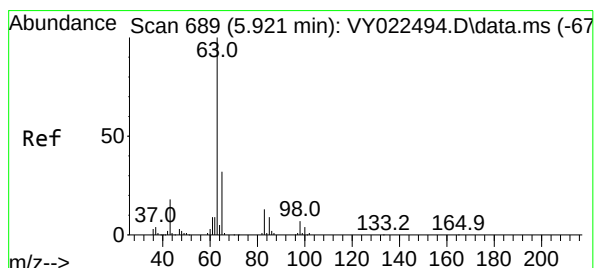
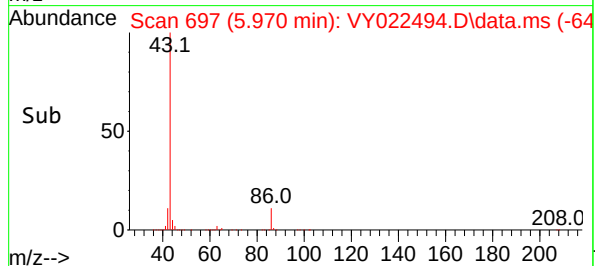
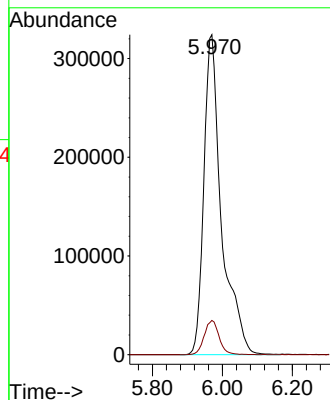
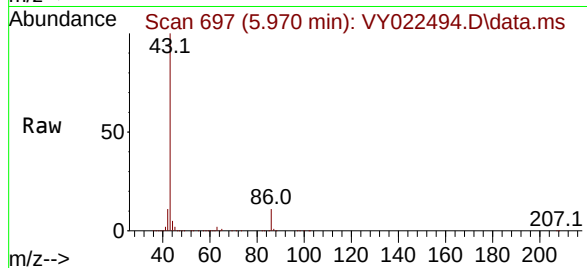
86 10.7 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#24

1,1-Dichloroethane

Concen: 50.410 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

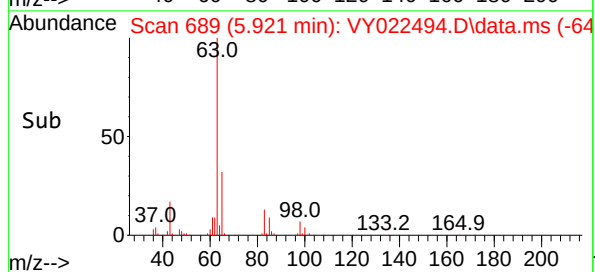
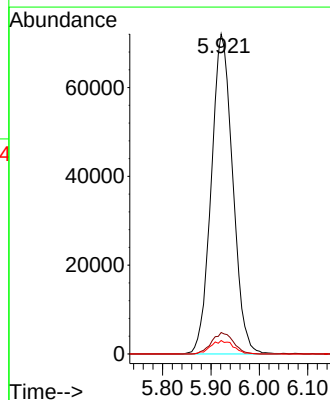
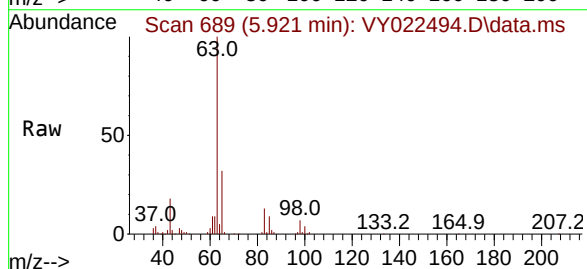
Tgt Ion: 63 Resp: 222533

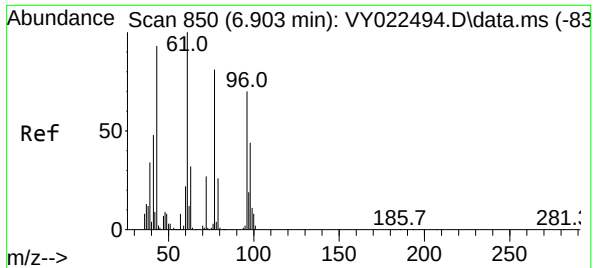
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.2 2.1 6.3





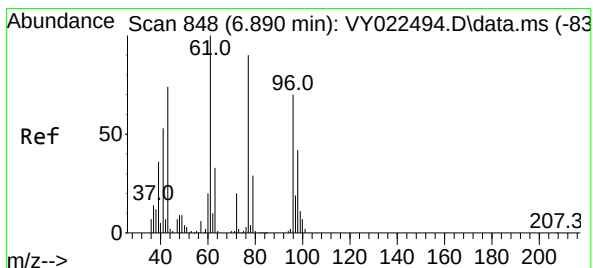
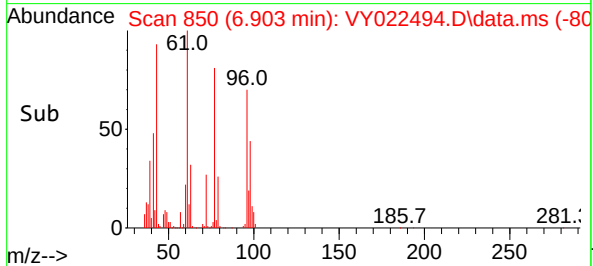
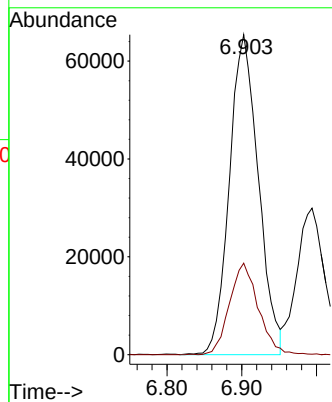
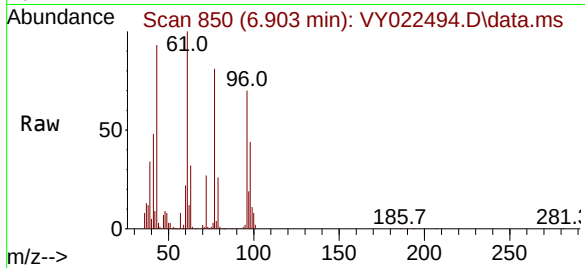
#25
2-Butanone
Concen: 264.461 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 17618
Ion Ratio Lower Upper
43 100
72 28.6 22.9 34.3

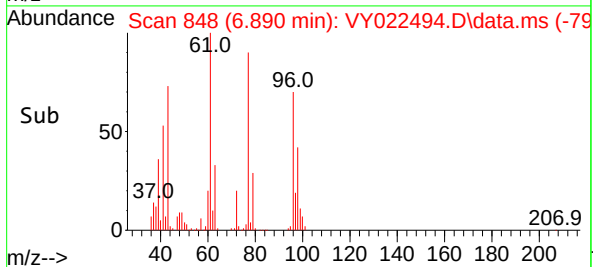
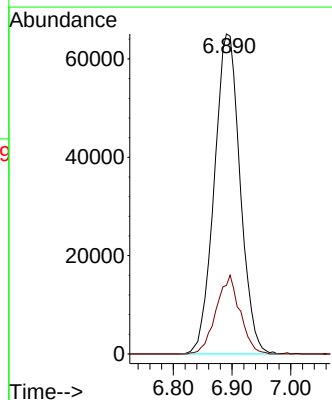
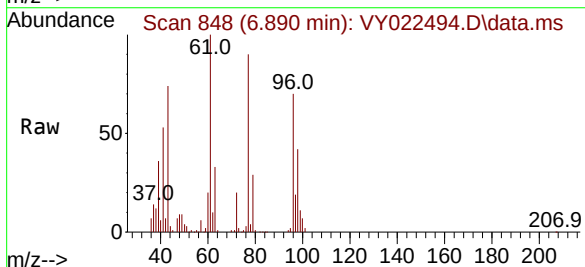
Manual Integrations
APPROVED

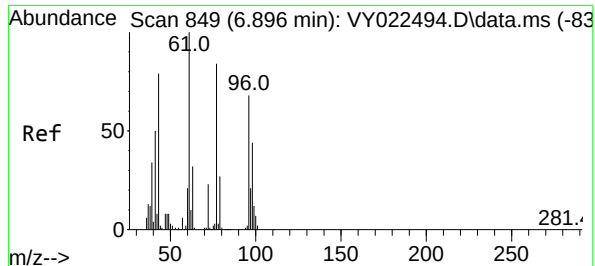
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#26
2,2-Dichloropropane
Concen: 50.650 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 77 Resp: 198763
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 51.463 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 143210

Ion Ratio Lower Upper

96 100

61 145.0 0.0 290.0

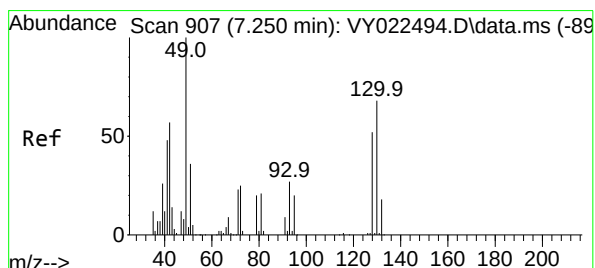
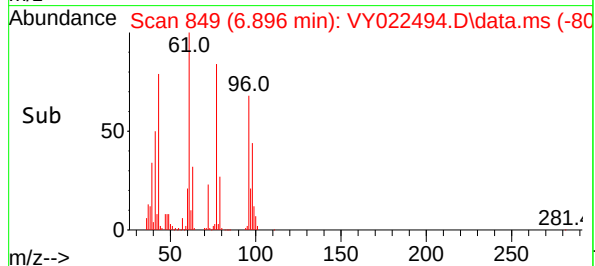
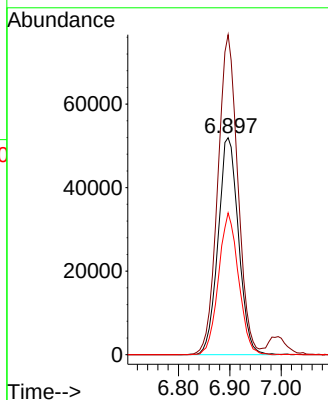
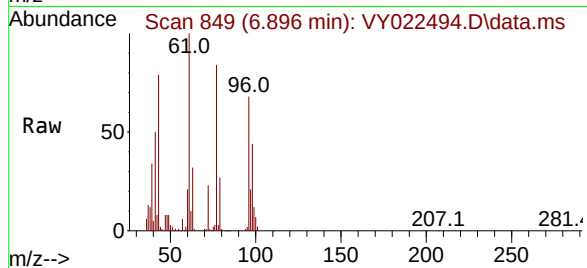
98 64.2 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#28

Bromochloromethane

Concen: 50.015 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

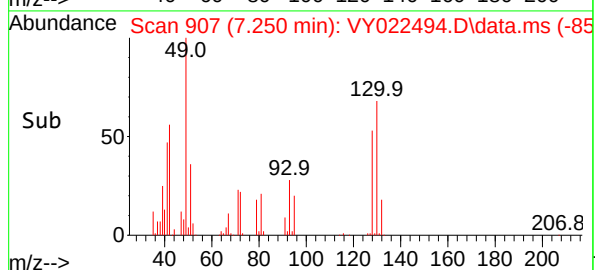
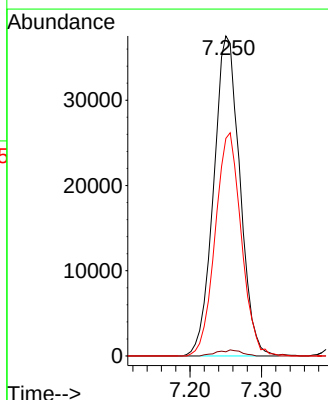
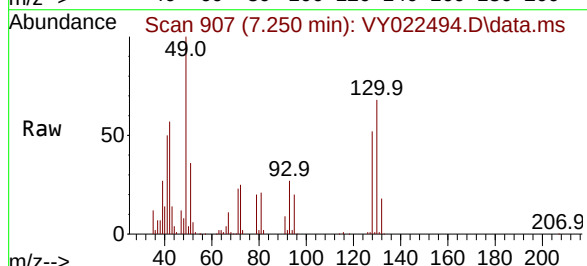
Tgt Ion: 49 Resp: 95397

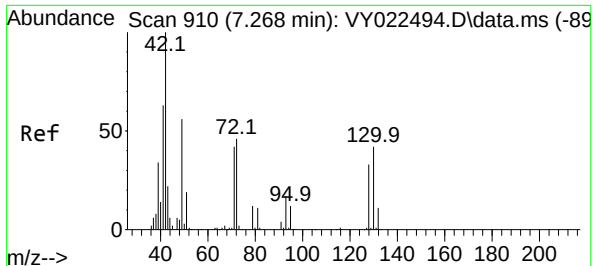
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 69.6 55.7 83.5





#29

Tetrahydrofuran

Concen: 255.247 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 109698

Ion Ratio Lower Upper

42 100

72 46.8 37.4 56.2

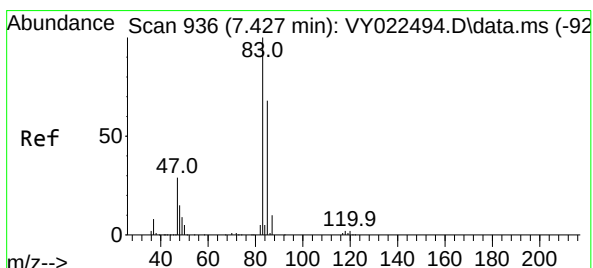
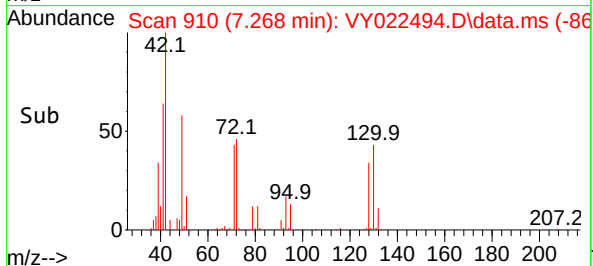
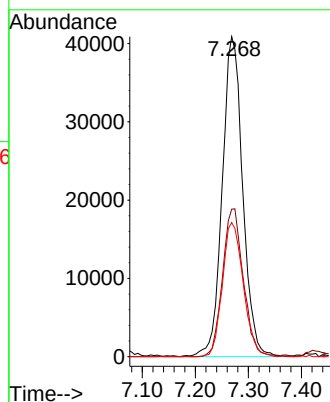
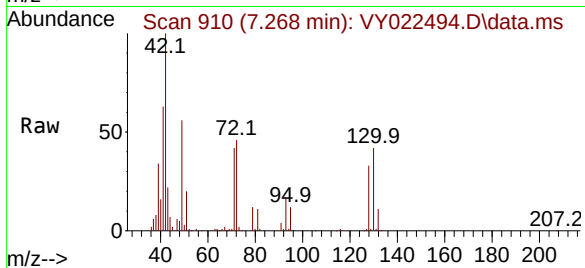
71 42.7 34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#30

Chloroform

Concen: 50.944 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.000 min

Lab File: VY022494.D

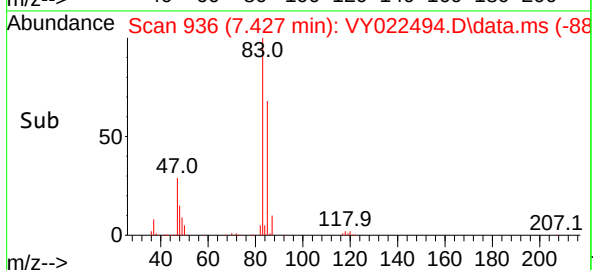
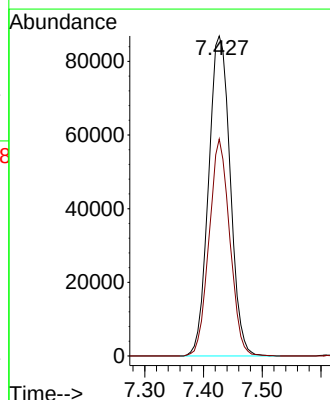
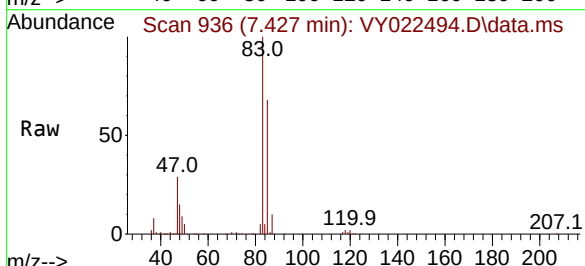
Acq: 02 Jun 2025 12:54

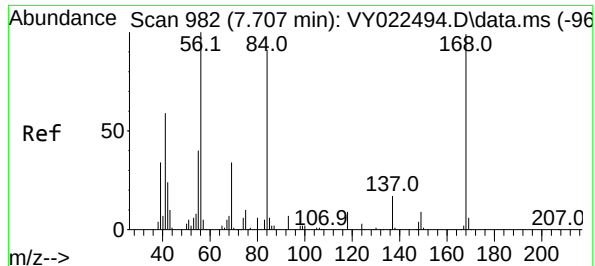
Tgt Ion: 83 Resp: 222226

Ion Ratio Lower Upper

83 100

85 67.8 54.2 81.4





#31

Cyclohexane

Concen: 47.951 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 21303

Ion Ratio Lower Upper

56 100

69 33.8 27.0 40.6

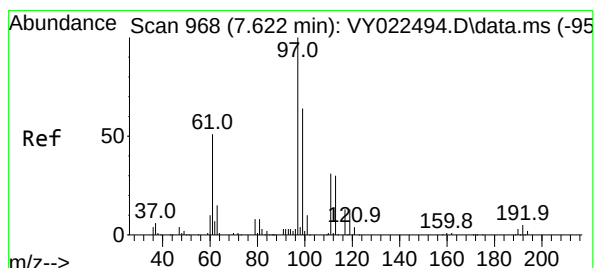
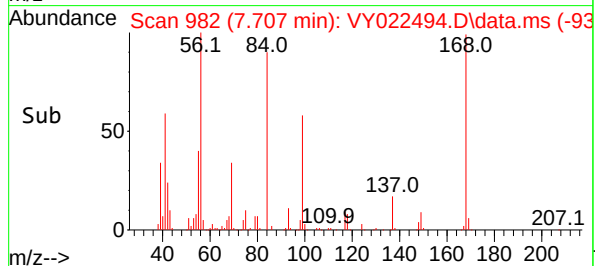
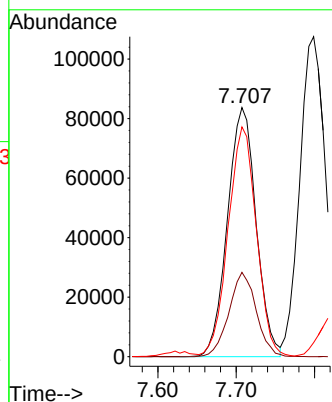
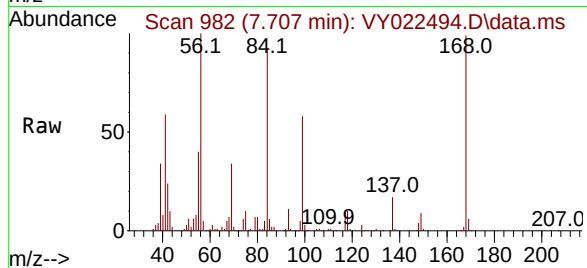
84 90.8 72.6 109.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#32

1,1,1-Trichloroethane

Concen: 51.074 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

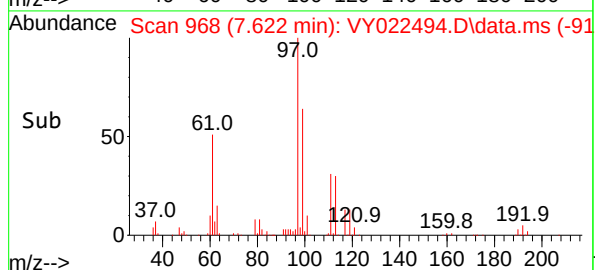
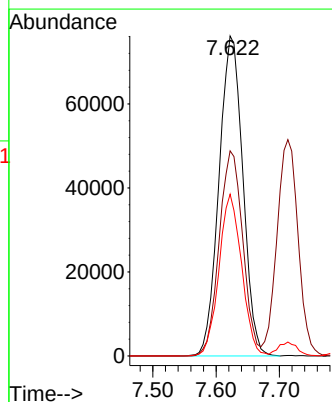
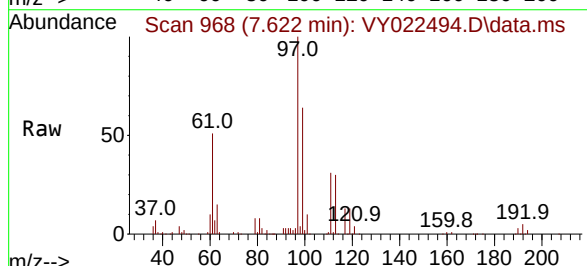
Tgt Ion: 97 Resp: 199103

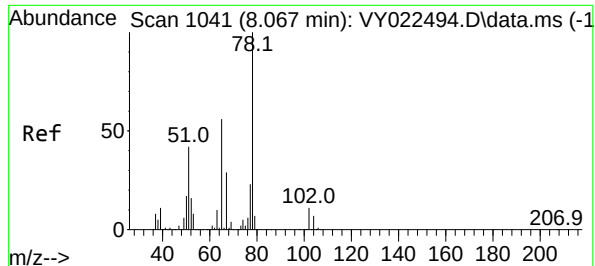
Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

61 48.1 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 54.320 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 124098

Ion Ratio Lower Upper

65 100

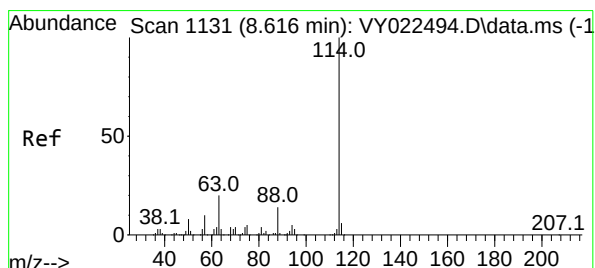
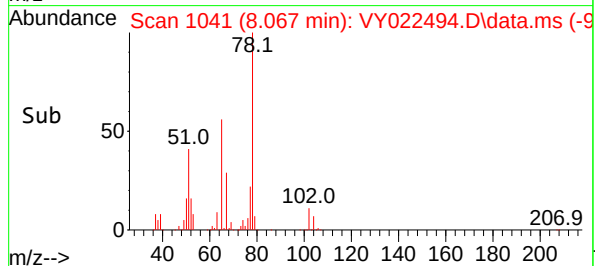
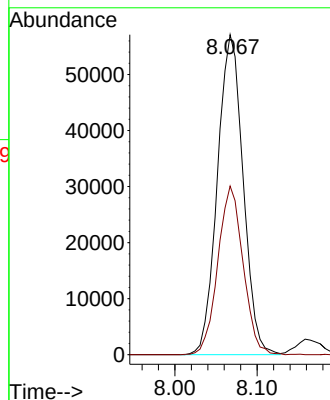
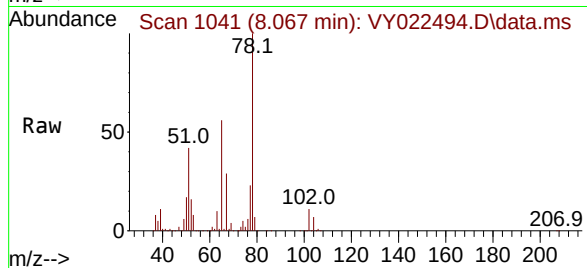
67 51.7 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

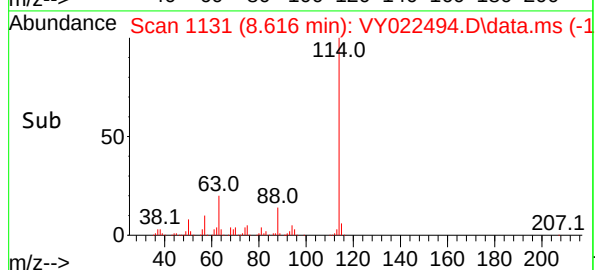
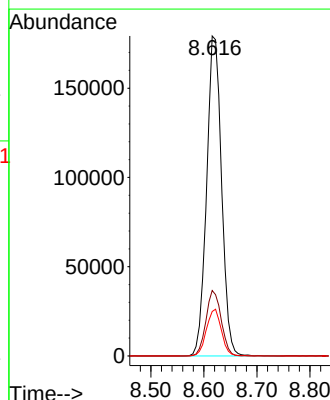
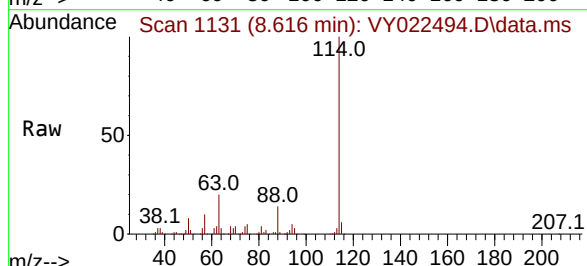
Tgt Ion:114 Resp: 350947

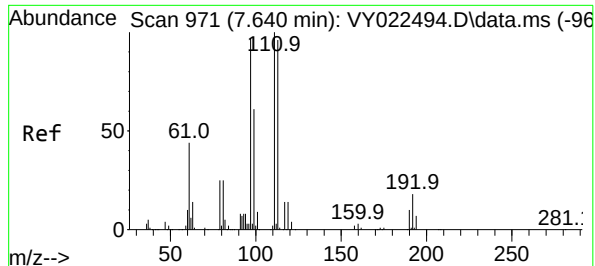
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 13.9 0.0 27.8





#35

Dibromofluoromethane

Concen: 54.514 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 112624

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

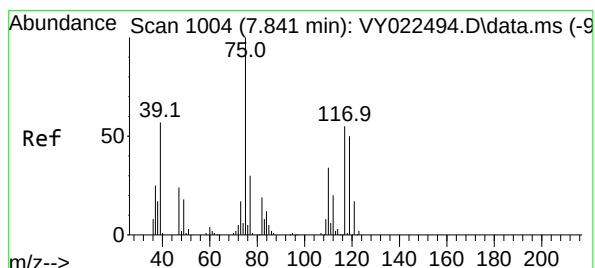
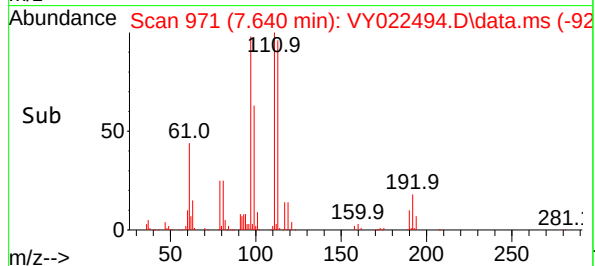
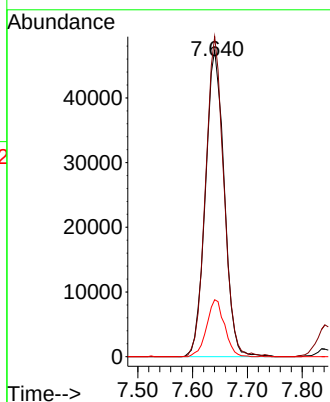
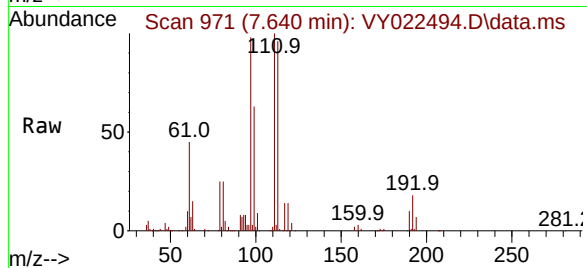
192 17.7 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#36

1,1-Dichloropropene

Concen: 51.116 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

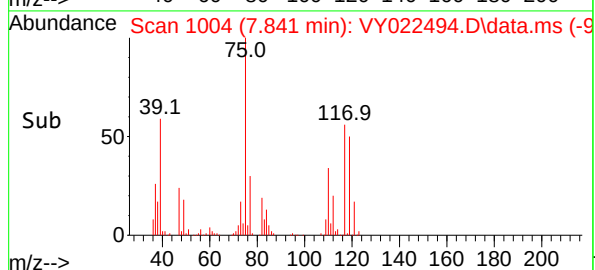
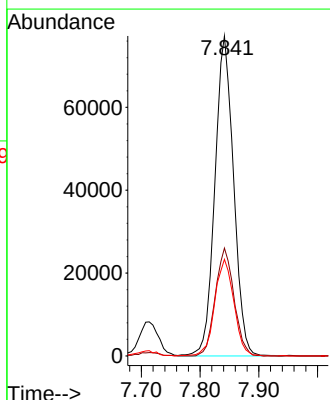
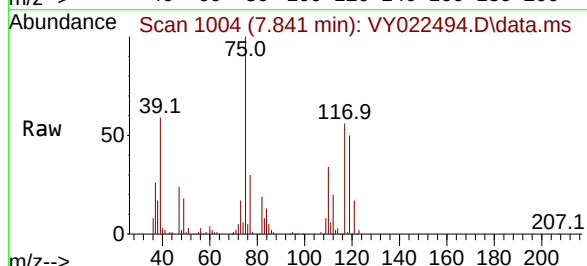
Tgt Ion: 75 Resp: 170708

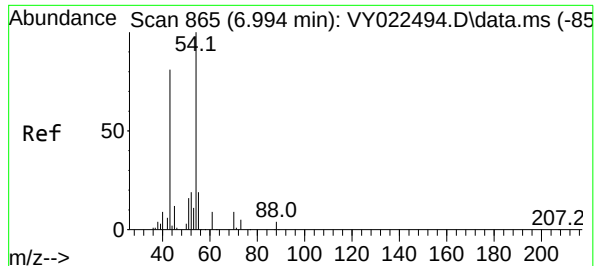
Ion Ratio Lower Upper

75 100

110 33.8 16.9 50.7

77 31.0 24.8 37.2





#37

Ethyl Acetate

Concen: 54.721 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 80420

Ion Ratio Lower Upper

43 100

61 14.4 11.5 17.3

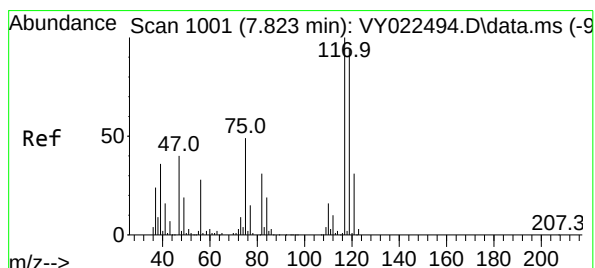
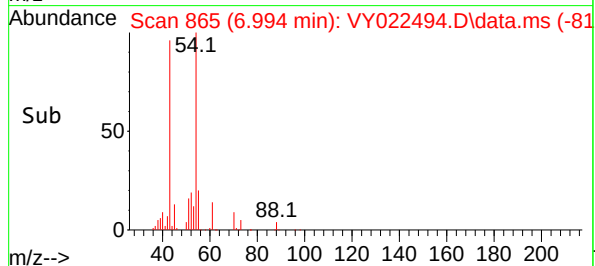
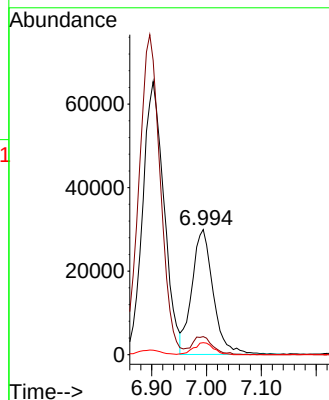
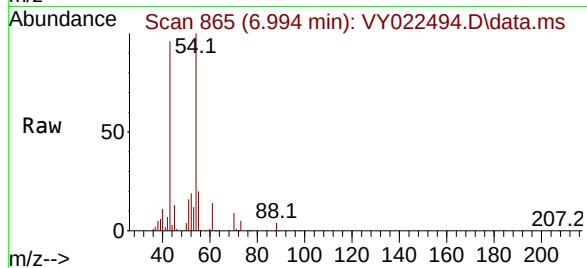
70 9.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#38

Carbon Tetrachloride

Concen: 51.787 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

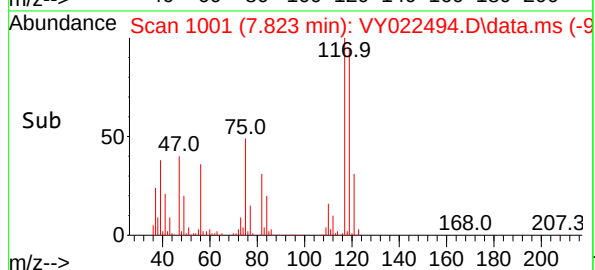
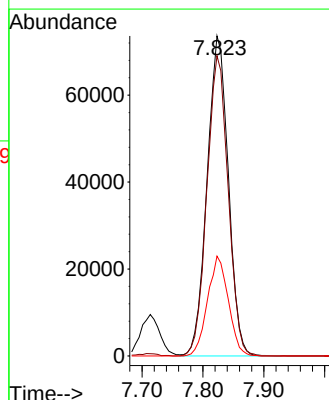
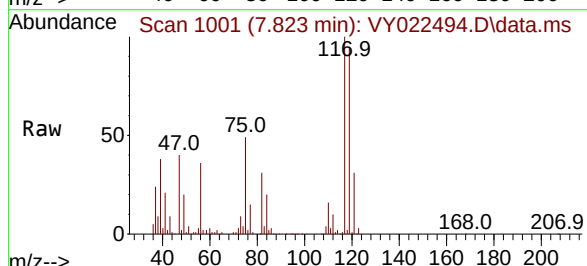
Tgt Ion:117 Resp: 178292

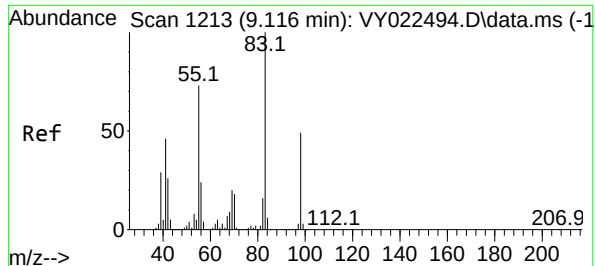
Ion Ratio Lower Upper

117 100

119 93.8 75.0 112.6

121 31.2 25.0 37.4





#39

Methylcyclohexane

Concen: 51.100 ug/l

RT: 9.116 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 230530

Ion Ratio Lower Upper

83 100

55 72.6 58.1 87.1

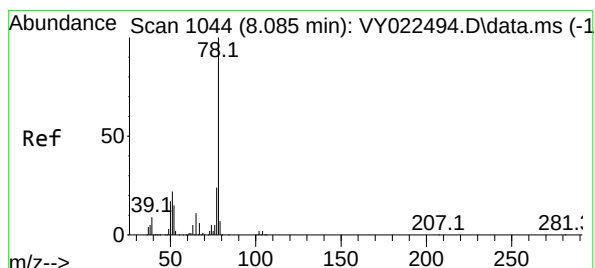
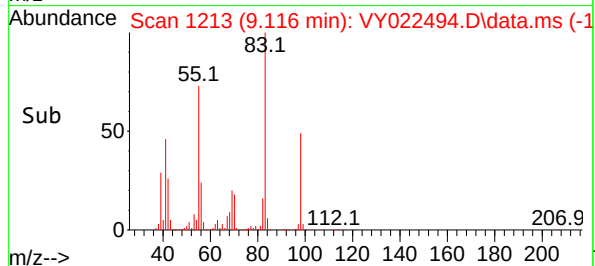
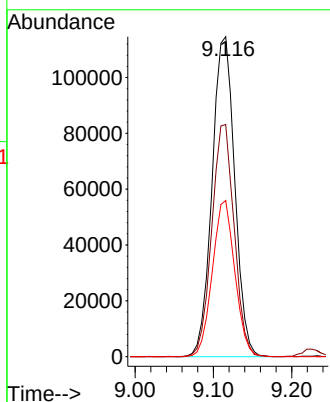
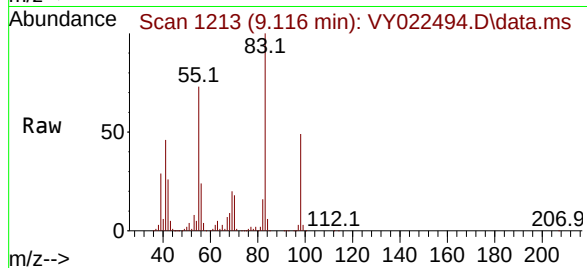
98 48.8 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#40

Benzene

Concen: 51.376 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VY022494.D

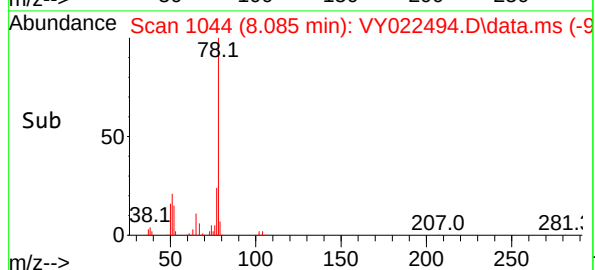
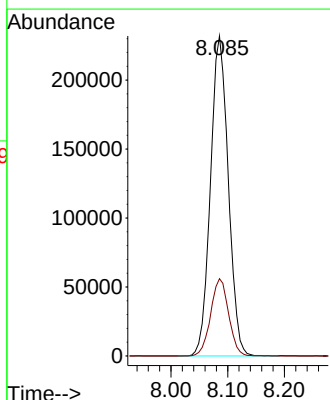
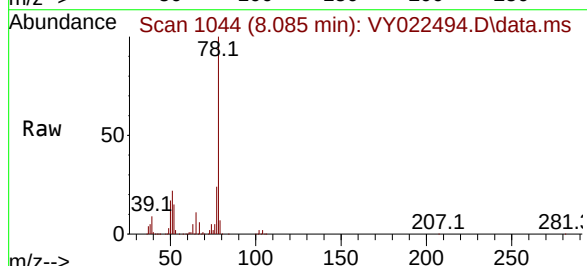
Acq: 02 Jun 2025 12:54

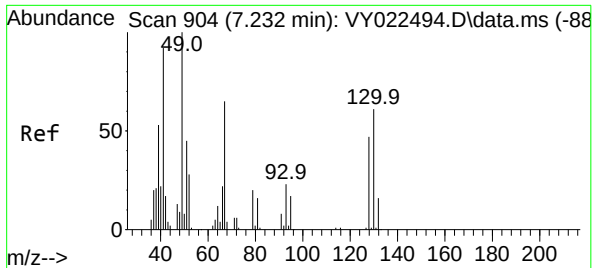
Tgt Ion: 78 Resp: 505749

Ion Ratio Lower Upper

78 100

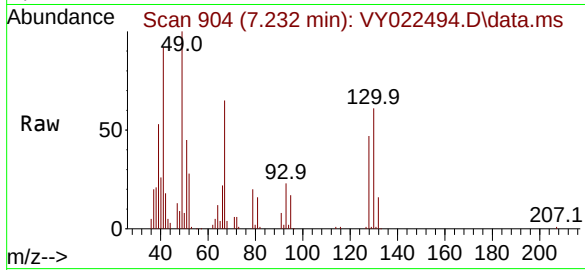
77 24.1 19.3 28.9





#41
Methacrylonitrile
Concen: 46.342 ug/l
RT: 7.232 min Scan# 904
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

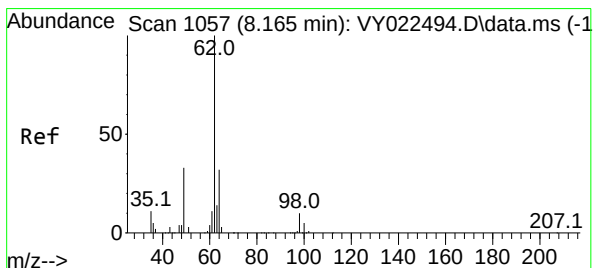
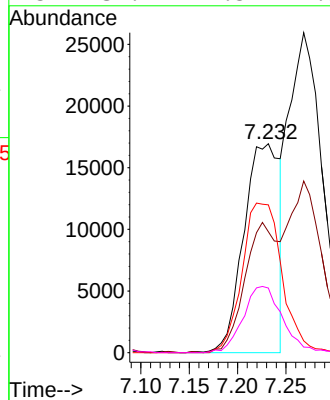
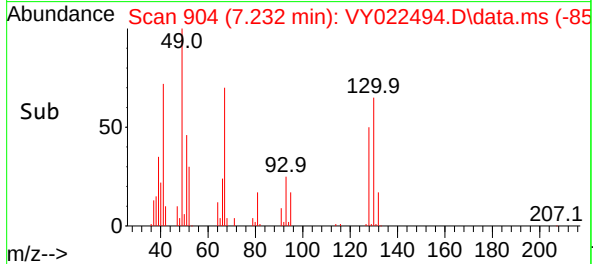
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



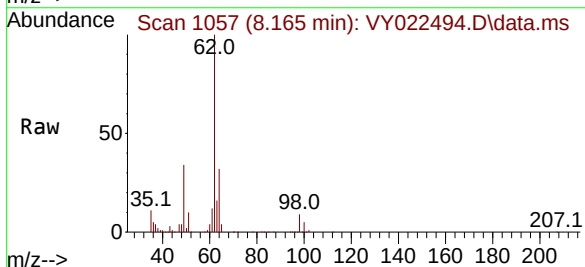
Tgt Ion: 41 Resp: 4386
Ion Ratio Lower Upper
41 100
39 58.2 46.6 69.8
67 79.1 63.3 94.9
52 34.4 27.5 41.3

Manual Integrations
APPROVED

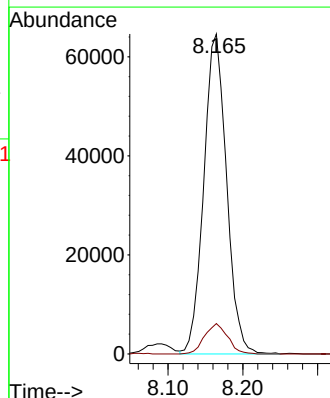
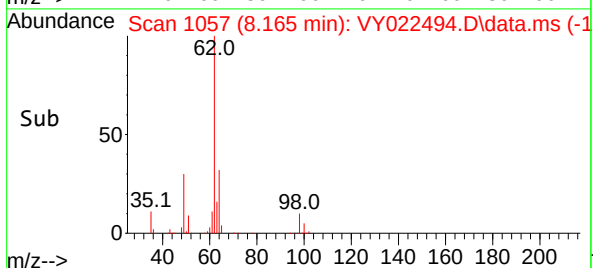
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

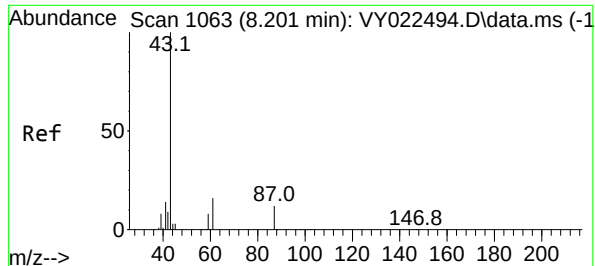


#42
1,2-Dichloroethane
Concen: 51.114 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



Tgt Ion: 62 Resp: 136876
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.2





#43

Isopropyl Acetate

Concen: 52.237 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 16777

Ion Ratio Lower Upper

43 100

61 19.5 15.6 23.4

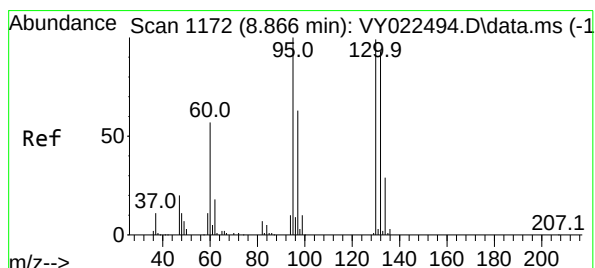
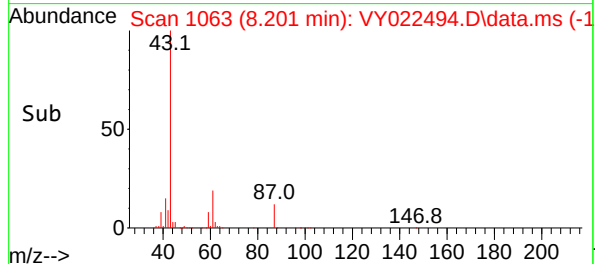
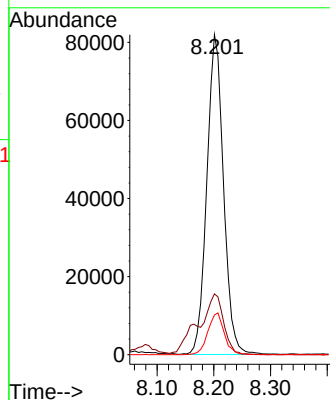
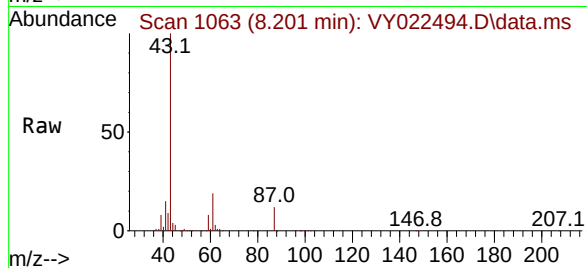
87 12.8 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#44

Trichloroethene

Concen: 51.843 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY022494.D

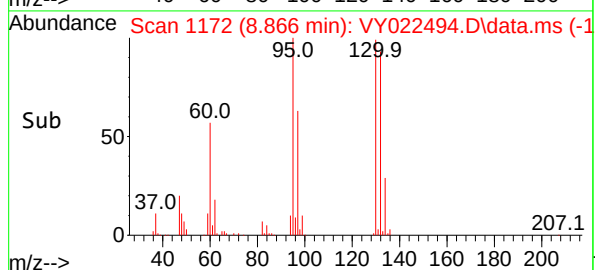
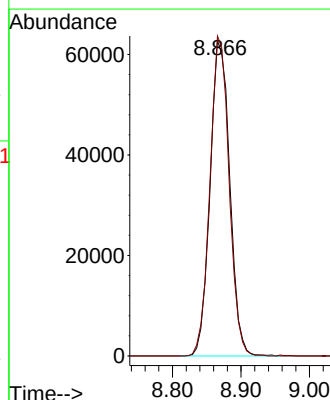
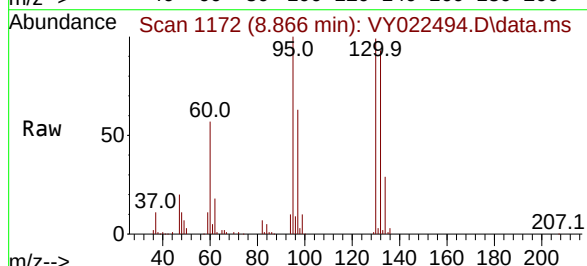
Acq: 02 Jun 2025 12:54

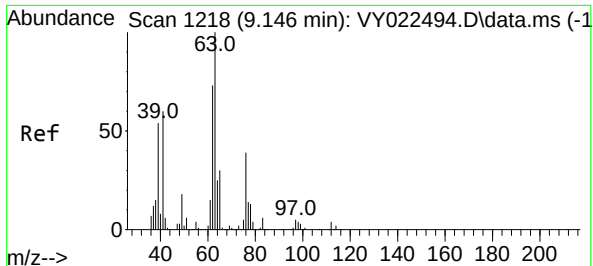
Tgt Ion:130 Resp: 124670

Ion Ratio Lower Upper

130 100

95 101.5 0.0 203.0





#45

1,2-Dichloropropane

Concen: 51.415 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 120660

Ion Ratio Lower Upper

63 100

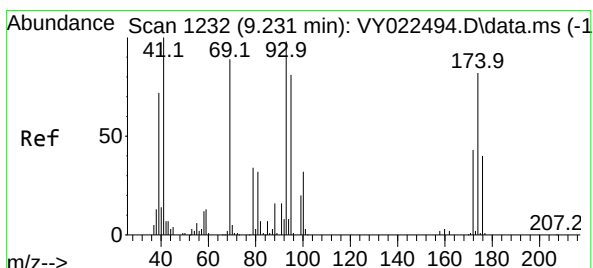
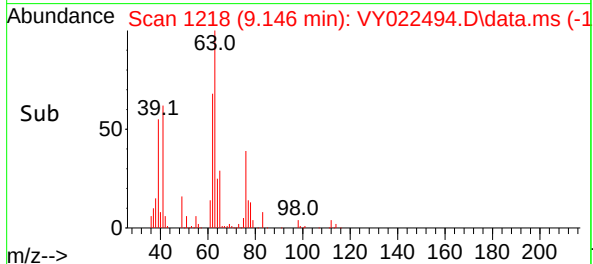
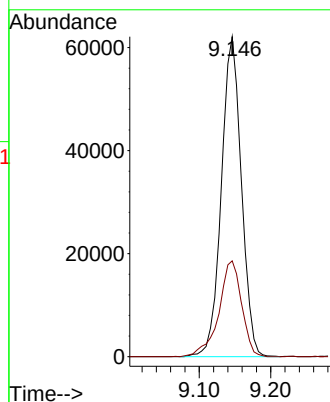
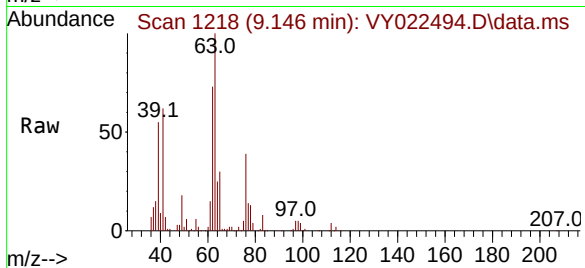
65 30.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#46

Dibromomethane

Concen: 51.485 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

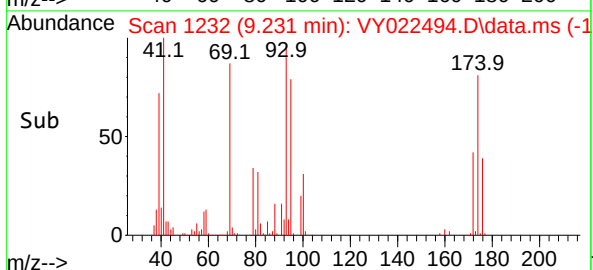
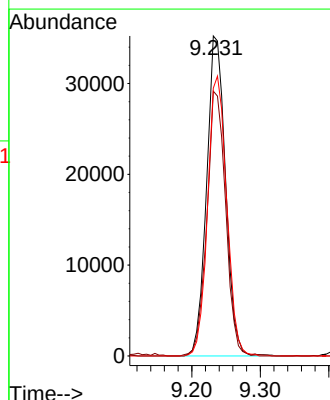
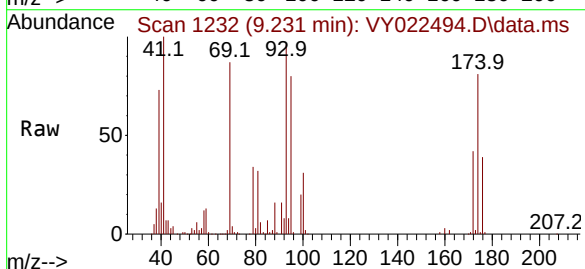
Tgt Ion: 93 Resp: 67690

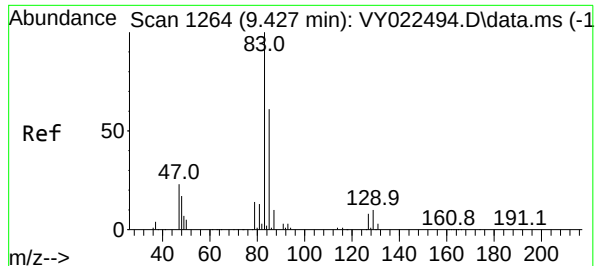
Ion Ratio Lower Upper

93 100

95 82.0 65.6 98.4

174 88.0 70.4 105.6





#47

Bromodichloromethane

Concen: 51.664 ug/l

RT: 9.427 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 17234

Ion Ratio Lower Upper

83 100

85 61.4 49.1 73.7

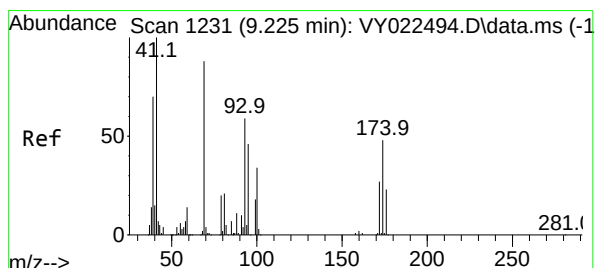
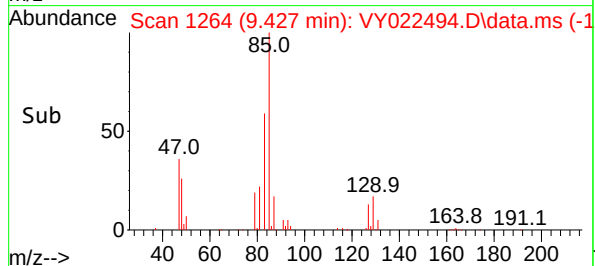
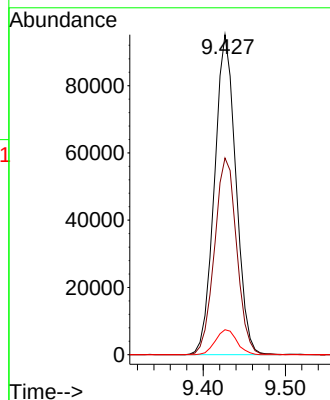
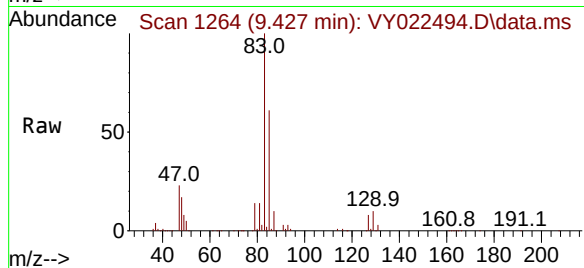
127 7.8 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#48

Methyl methacrylate

Concen: 52.963 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

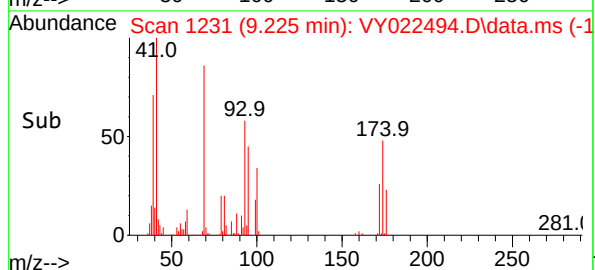
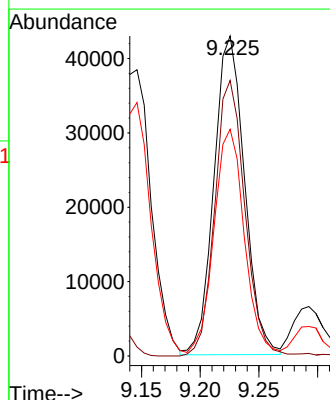
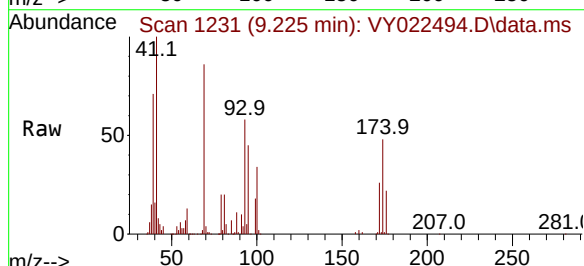
Tgt Ion: 41 Resp: 77885

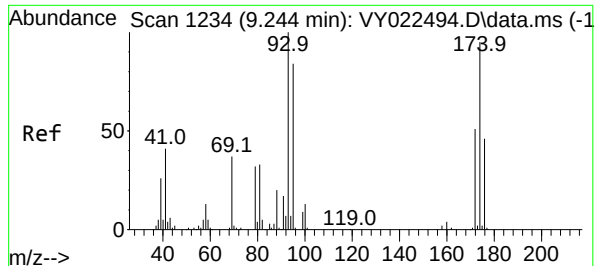
Ion Ratio Lower Upper

41 100

69 84.8 67.8 101.8

39 68.7 55.0 82.4





#49

1,4-Dioxane

Concen: 977.637 ug/l

RT: 9.244 min Scan# 1234

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 15334

Ion Ratio Lower Upper

88 100

43 31.8 25.4 38.2

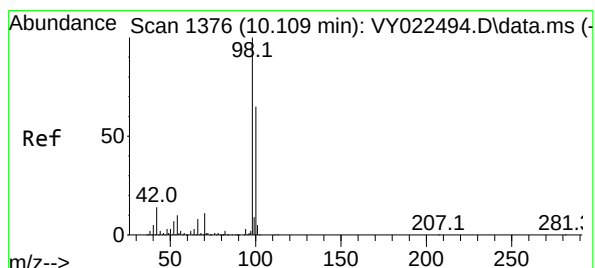
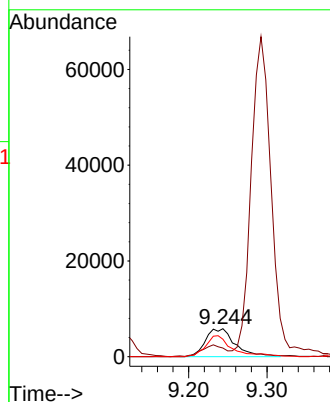
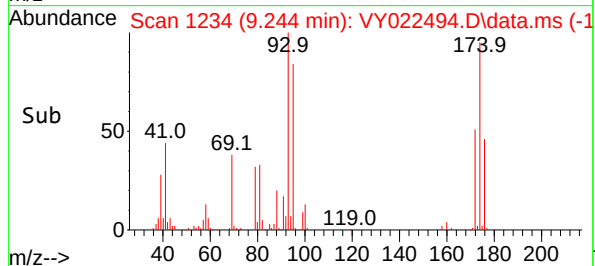
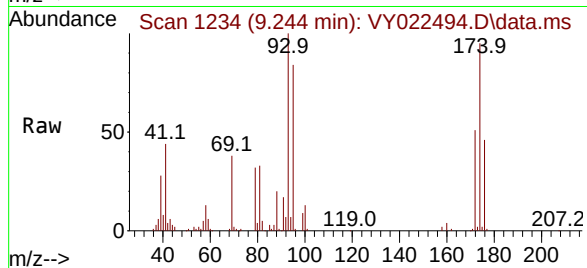
58 68.6 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#50

Toluene-d8

Concen: 53.734 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022494.D

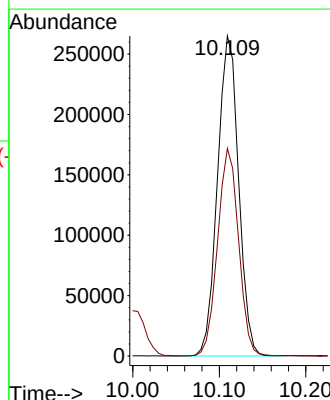
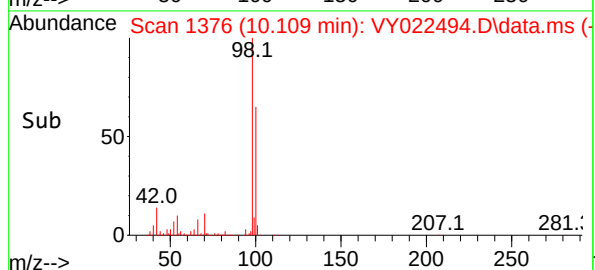
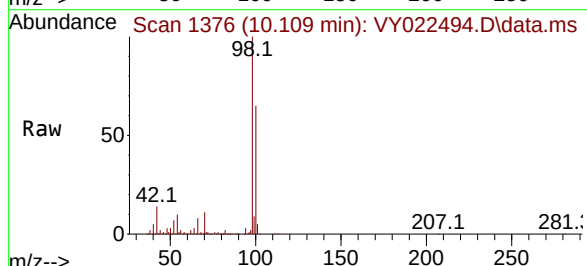
Acq: 02 Jun 2025 12:54

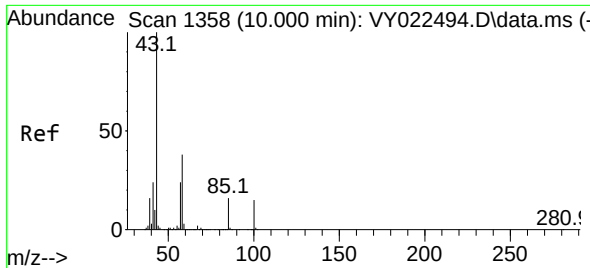
Tgt Ion: 98 Resp: 448690

Ion Ratio Lower Upper

98 100

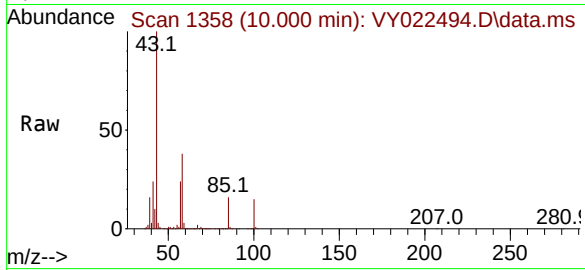
100 64.2 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 267.154 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

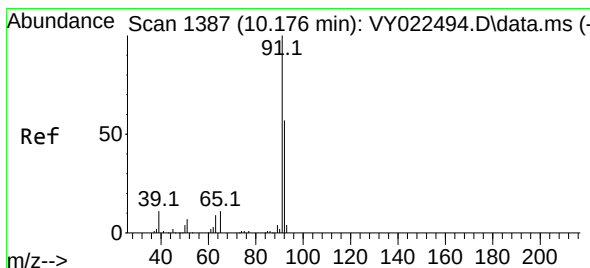
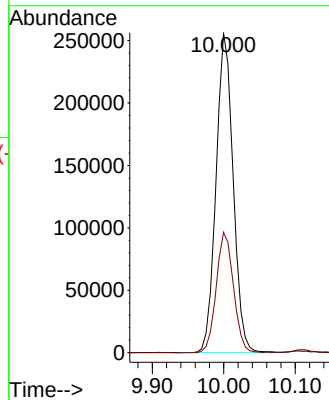
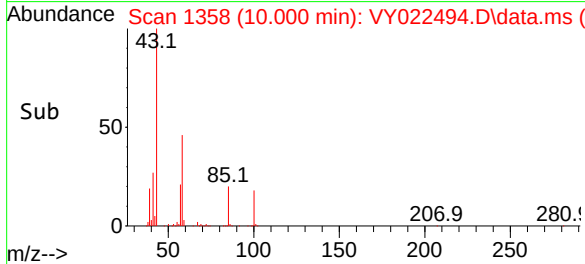
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 425868
Ion Ratio Lower Upper
43 100
58 38.0 30.4 45.6

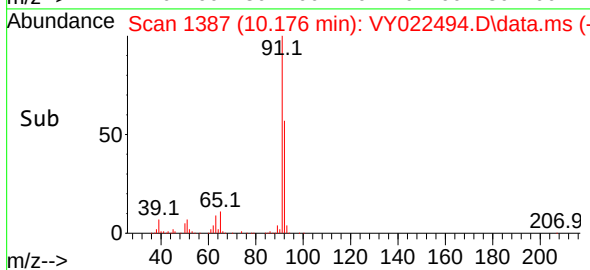
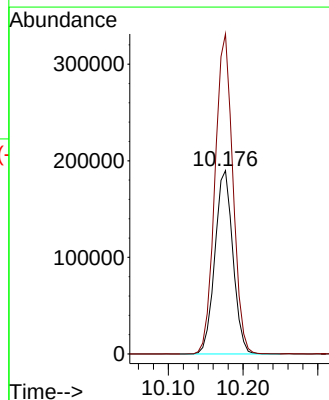
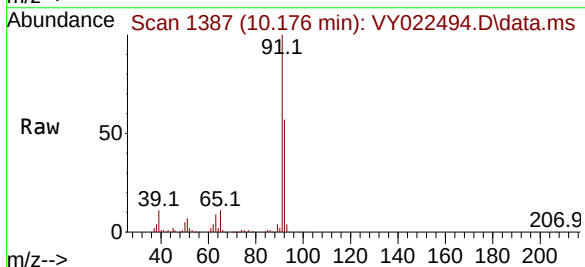
Manual Integrations
APPROVED

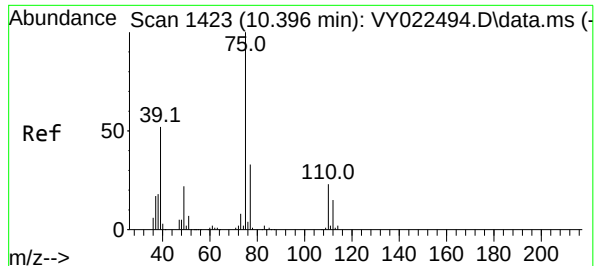
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#52
Toluene
Concen: 51.213 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

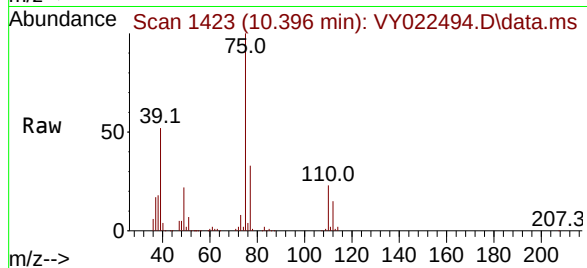
Tgt Ion: 92 Resp: 316972
Ion Ratio Lower Upper
92 100
91 173.7 139.0 208.4





#53
 t-1,3-Dichloropropene
 Concen: 52.450 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. 0.000 min
 Lab File: VY022494.D
 Acq: 02 Jun 2025 12:54

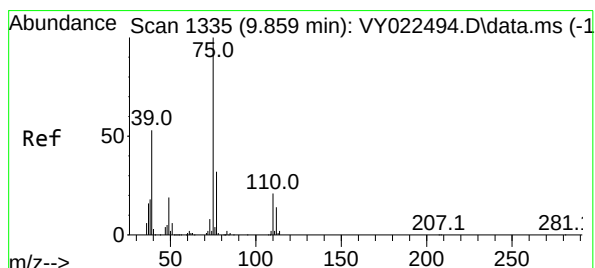
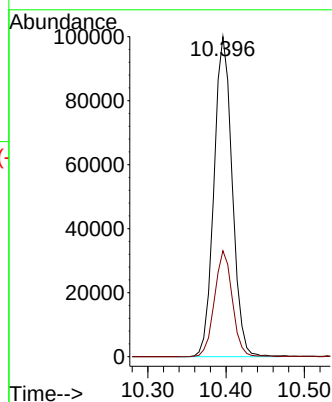
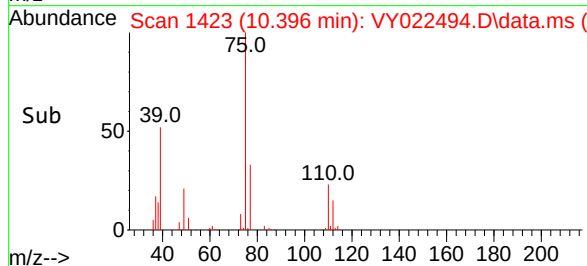
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050



Tgt Ion: 75 Resp: 161859
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.5 39.7

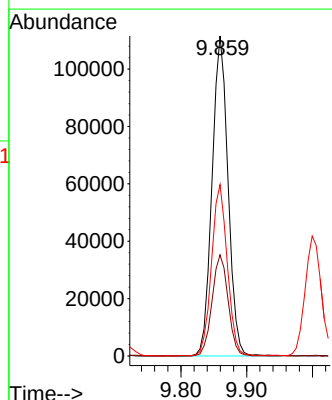
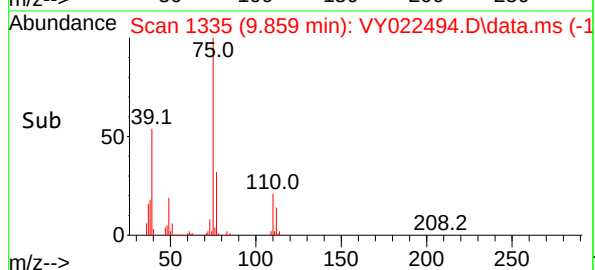
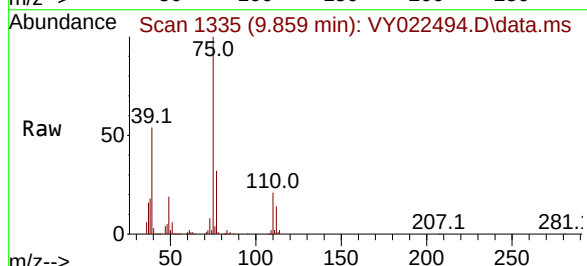
Manual Integrations
 APPROVED

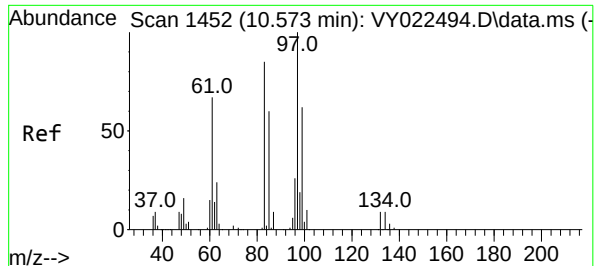
Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025



#54
 cis-1,3-Dichloropropene
 Concen: 52.108 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.000 min
 Lab File: VY022494.D
 Acq: 02 Jun 2025 12:54

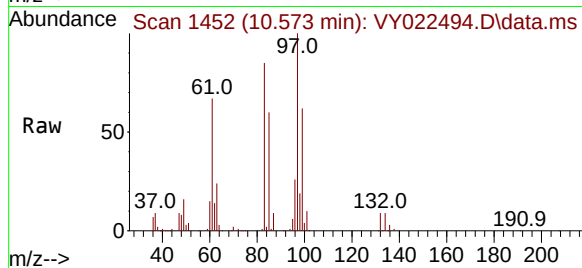
Tgt Ion: 75 Resp: 188559
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9
 39 53.4 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 51.209 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

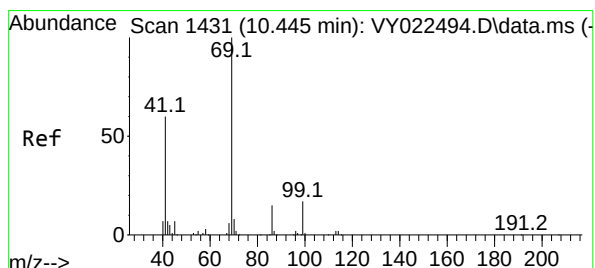
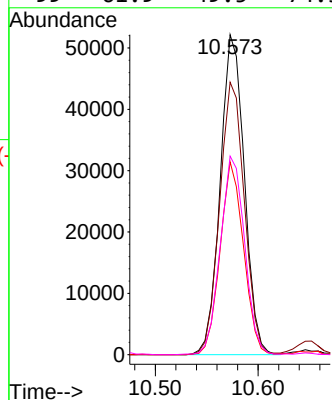
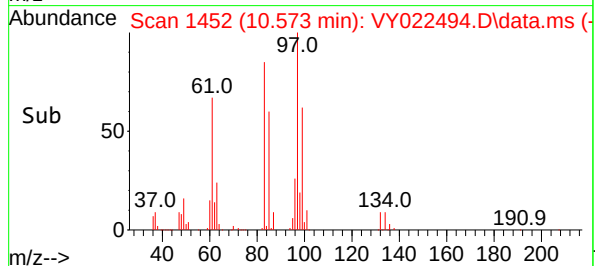
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



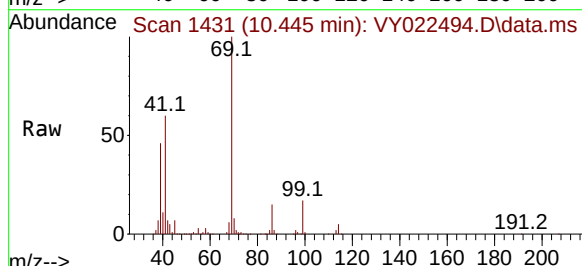
Tgt Ion: 97 Resp: 84788
Ion Ratio Lower Upper
97 100
83 85.1 68.1 102.1
85 60.2 48.2 72.2
99 61.9 49.5 74.3

Manual Integrations
APPROVED

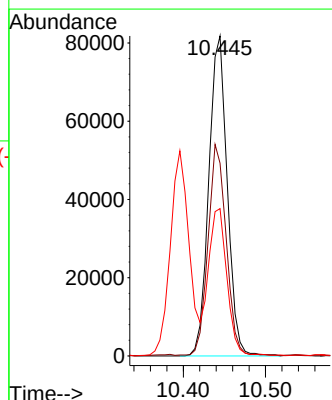
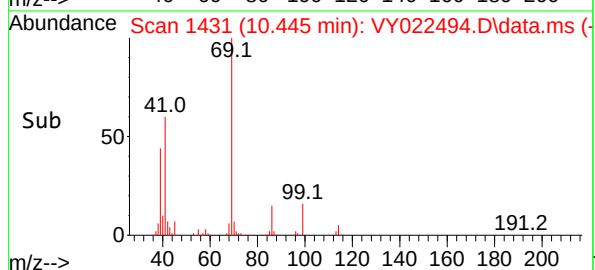
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

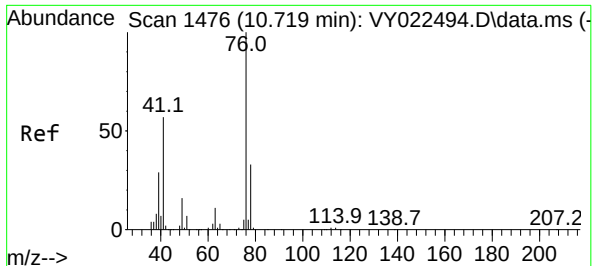


#56
Ethyl methacrylate
Concen: 52.930 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



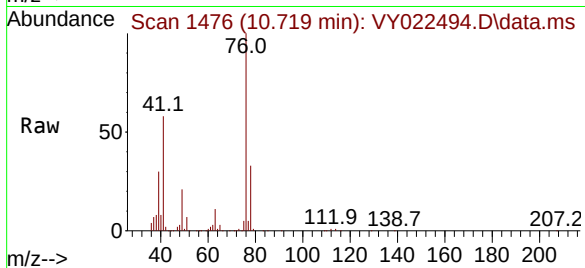
Tgt Ion: 69 Resp: 127271
Ion Ratio Lower Upper
69 100
41 65.2 52.2 78.2
39 45.9 36.7 55.1





#57
1,3-Dichloropropane
Concen: 51.821 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

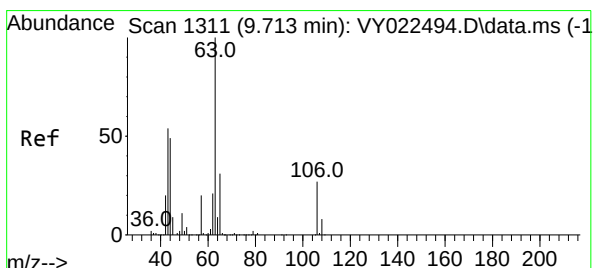
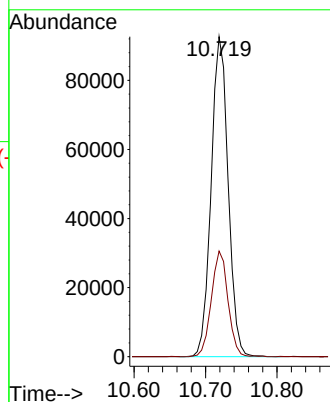
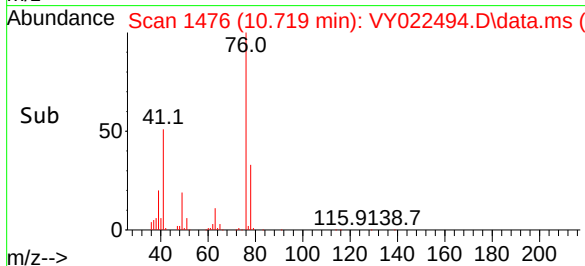
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 152809
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

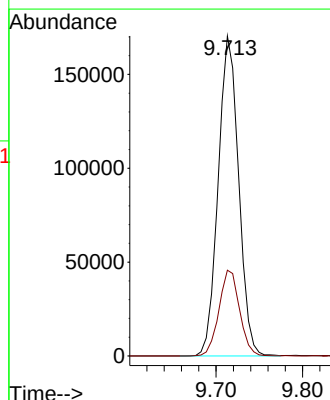
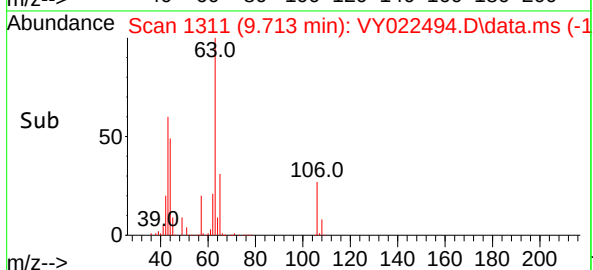
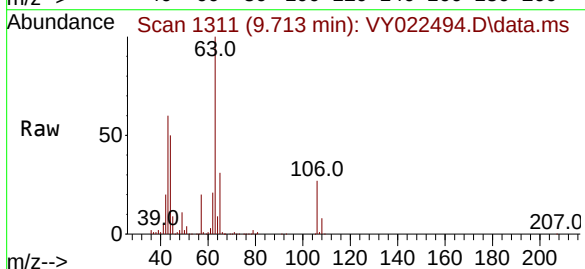
Manual Integrations
APPROVED

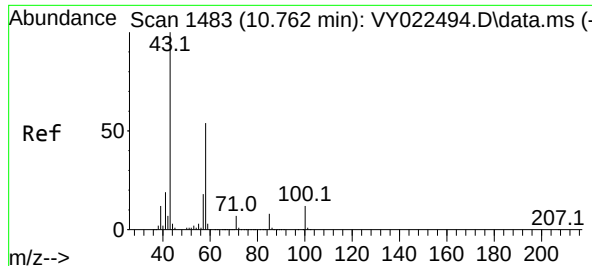
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#58
2-Chloroethyl Vinyl ether
Concen: 260.896 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

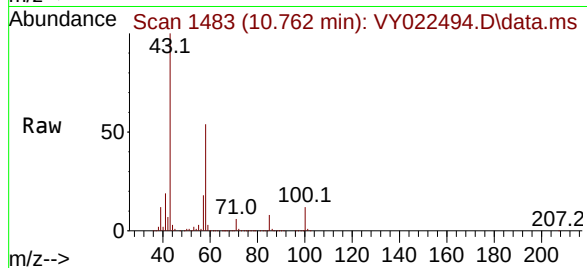
Tgt Ion: 63 Resp: 279669
Ion Ratio Lower Upper
63 100
106 27.0 21.6 32.4





#59
2-Hexanone
Concen: 266.885 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

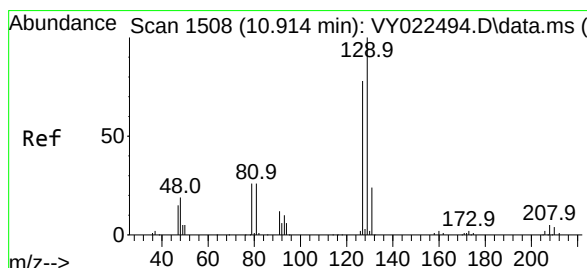
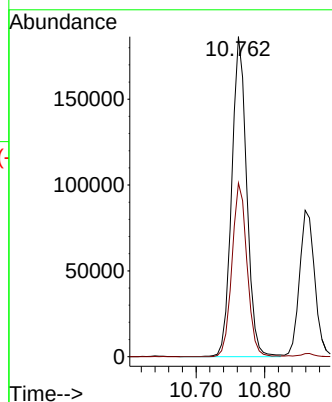
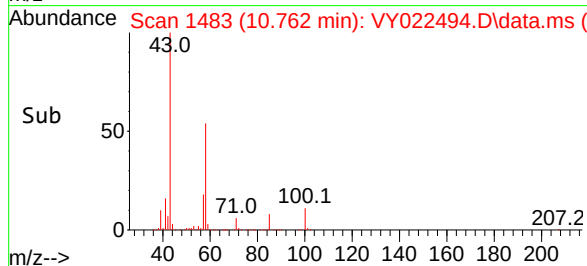
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 28360
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8

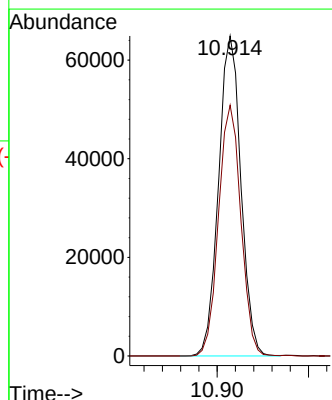
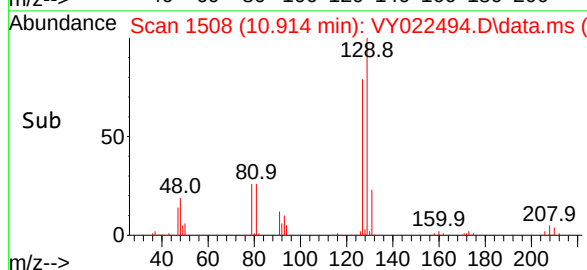
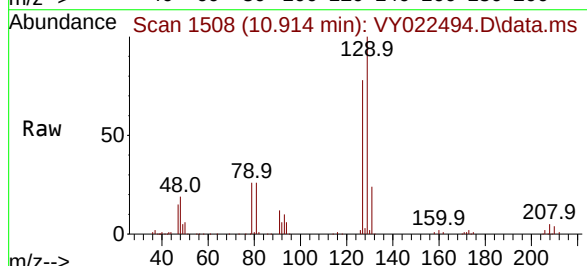
Manual Integrations
APPROVED

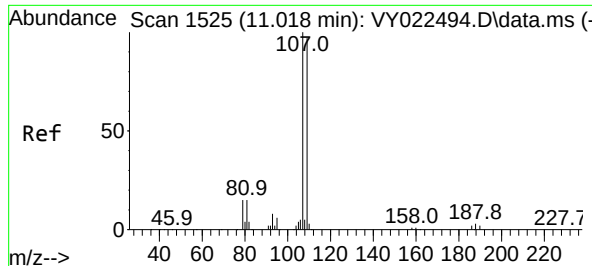
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#60
Dibromochloromethane
Concen: 52.582 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

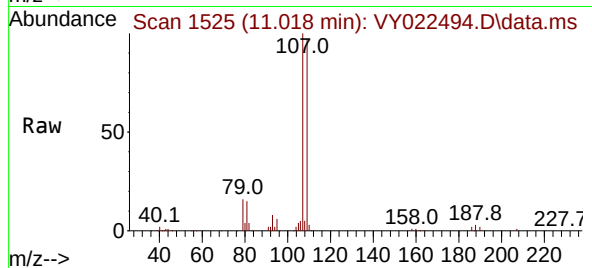
Tgt Ion:129 Resp: 110314
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61
1,2-Dibromoethane
Concen: 51.150 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

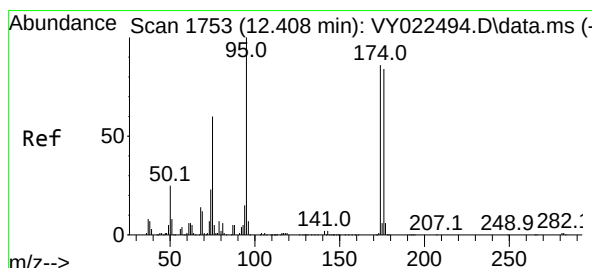
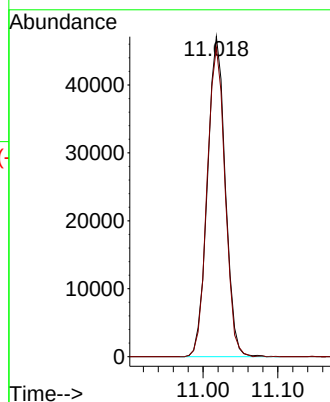
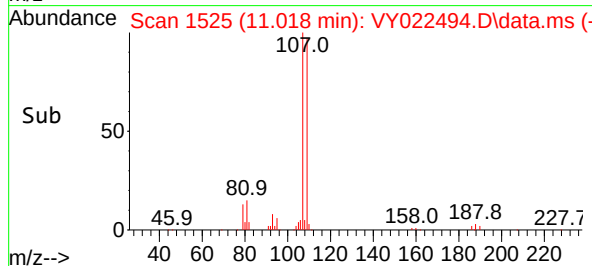
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 7815
Ion Ratio Lower Upper
107 100
109 97.1 77.7 116.5

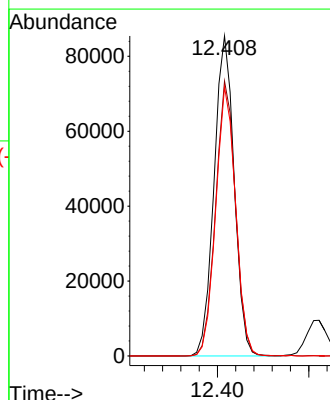
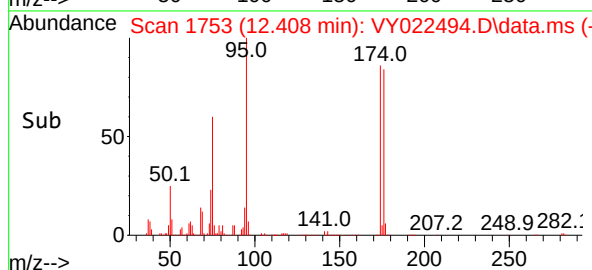
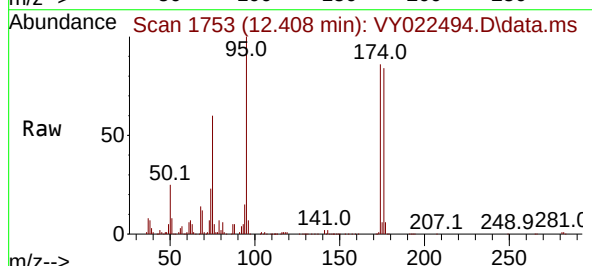
Manual Integrations
APPROVED

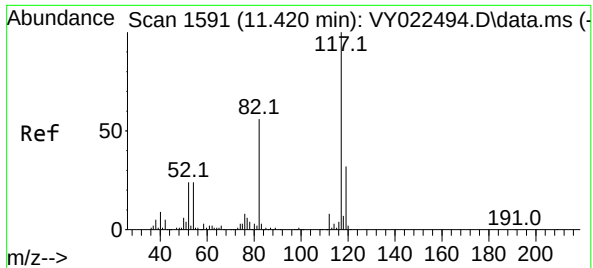
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#62
4-Bromofluorobenzene
Concen: 51.503 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

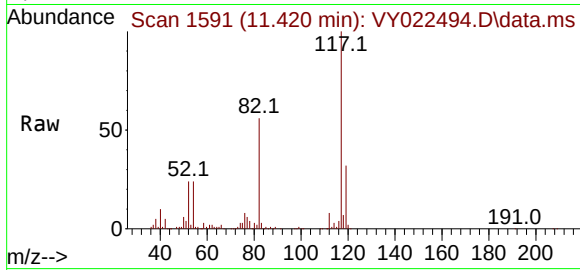
Tgt Ion: 95 Resp: 130393
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 83.1 0.0 166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

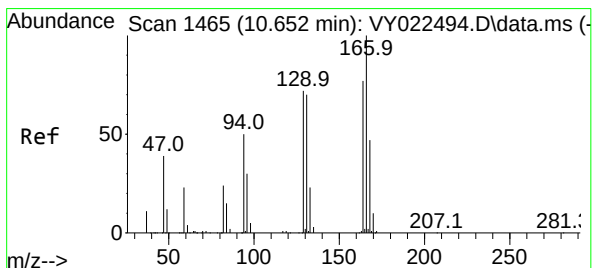
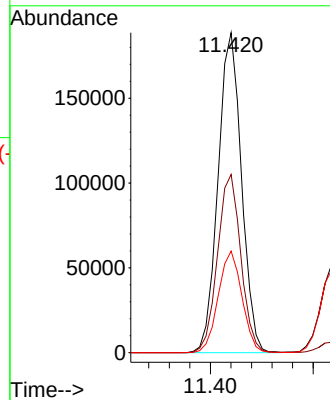
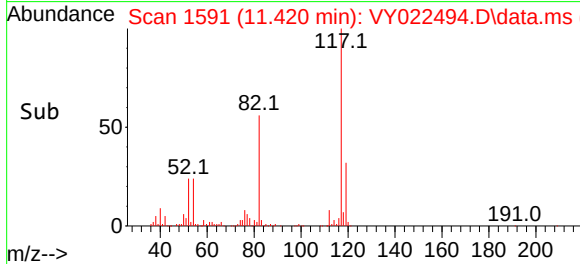
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



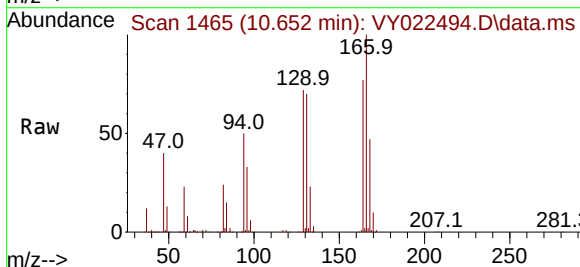
Tgt Ion:117 Resp: 29818
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 31.7 25.4 38.0

Manual Integrations
APPROVED

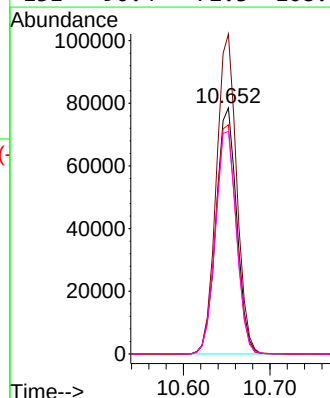
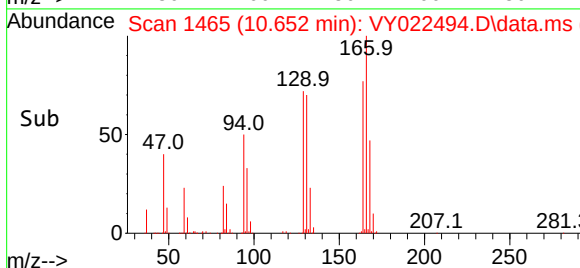
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

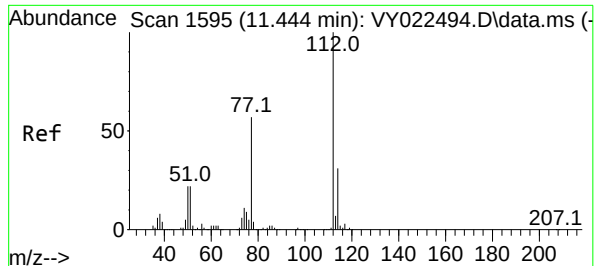


#64
Tetrachloroethene
Concen: 51.367 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



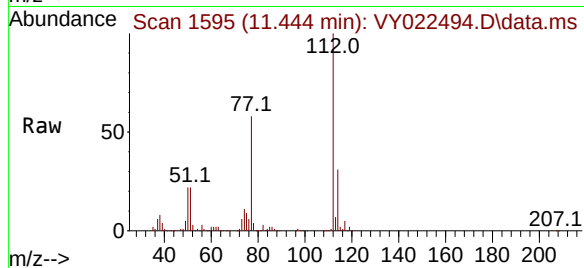
Tgt Ion:164 Resp: 130171
Ion Ratio Lower Upper
164 100
166 130.0 104.0 156.0
129 93.1 74.5 111.7
131 90.4 72.3 108.5





#65
Chlorobenzene
Concen: 51.447 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

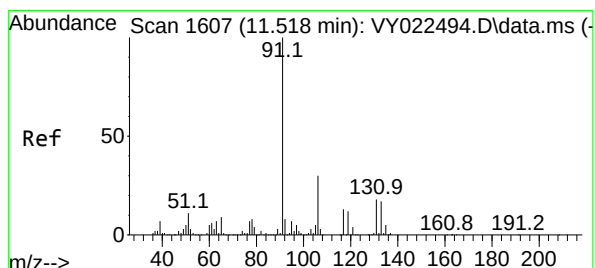
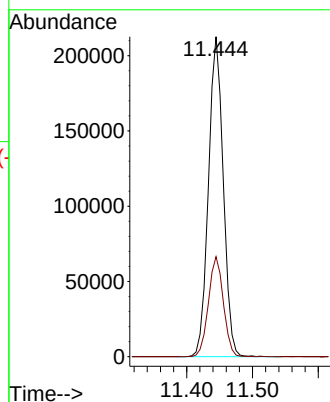
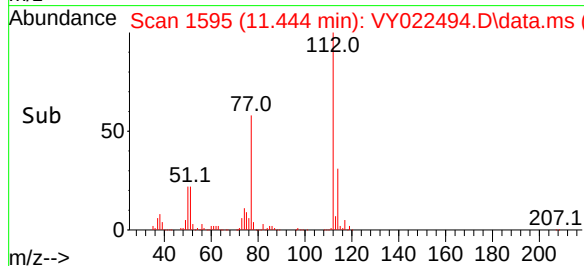
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



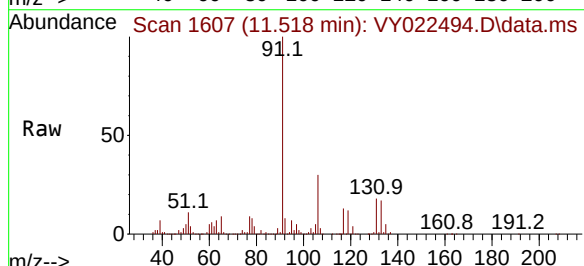
Tgt Ion:112 Resp: 332649
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6

Manual Integrations
APPROVED

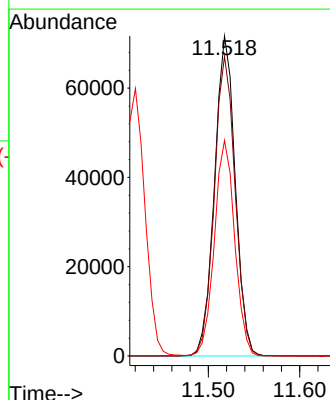
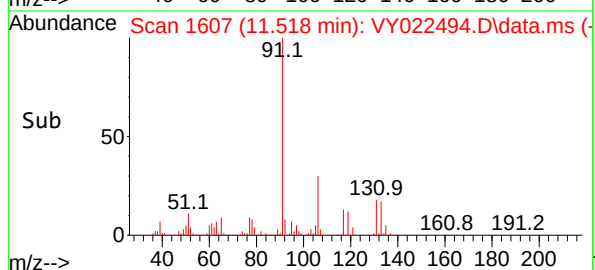
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

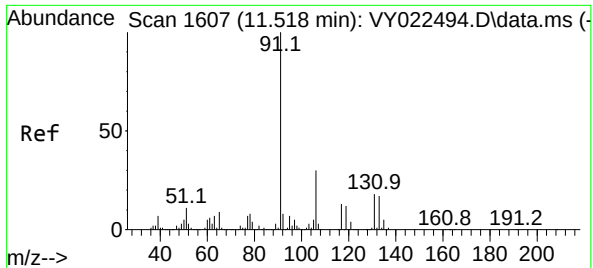


#66
1,1,1,2-Tetrachloroethane
Concen: 51.526 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



Tgt Ion:131 Resp: 112934
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 66.2 33.1 99.3





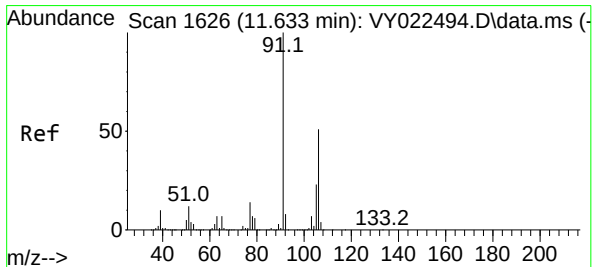
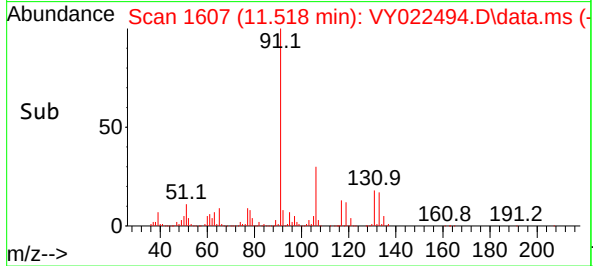
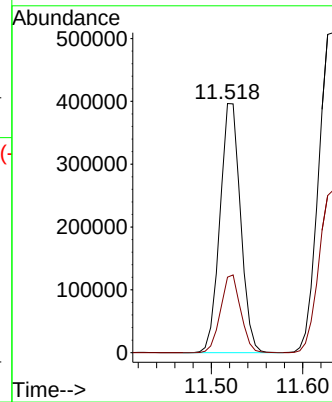
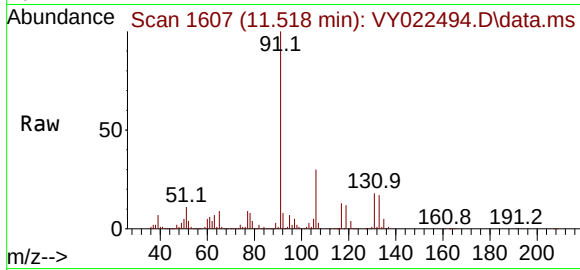
#67
Ethyl Benzene
Concen: 51.577 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 62103
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4

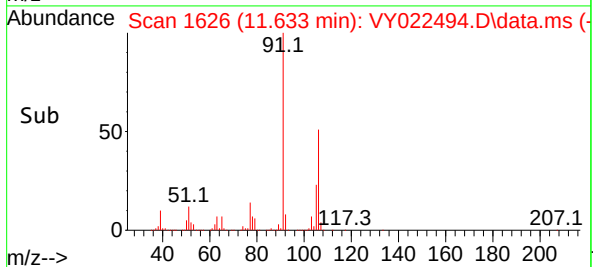
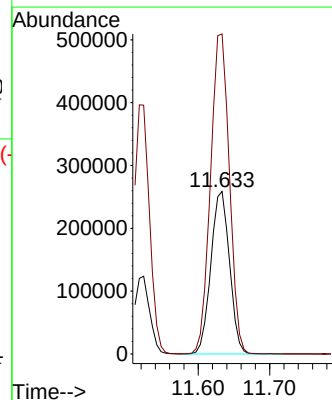
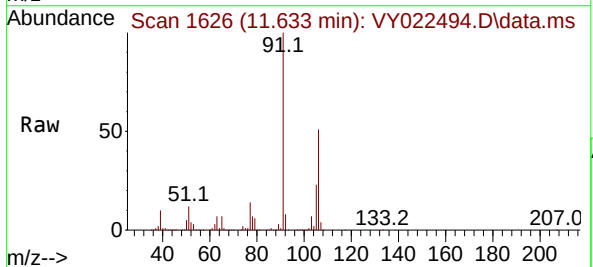
Manual Integrations
APPROVED

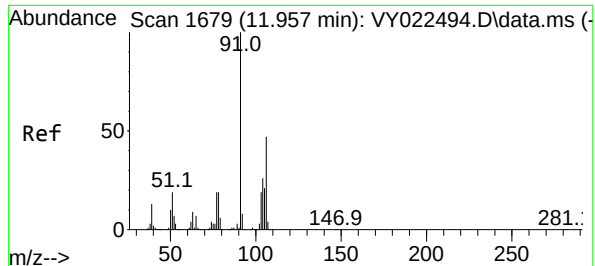
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#68
m/p-Xylenes
Concen: 102.795 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

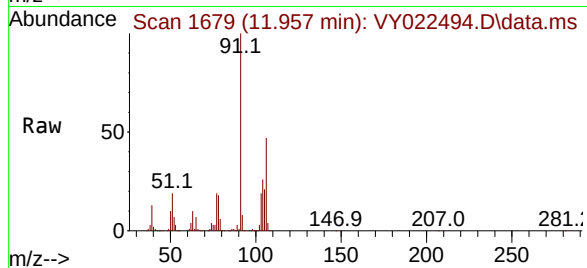
Tgt Ion:106 Resp: 468441
Ion Ratio Lower Upper
106 100
91 199.2 159.4 239.0





#69
o-Xylene
Concen: 51.293 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

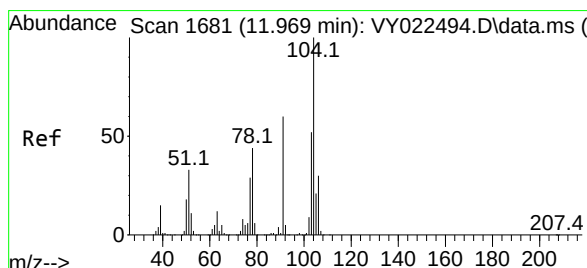
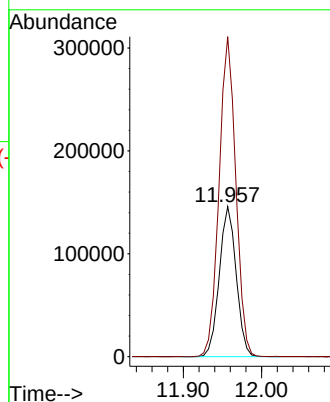
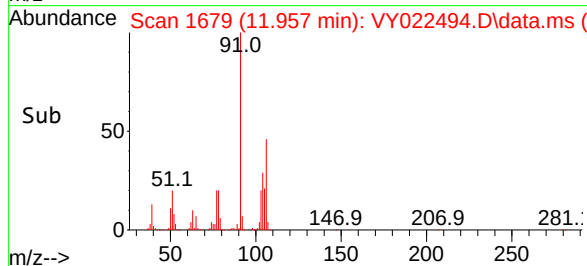
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:106 Resp: 218760
Ion Ratio Lower Upper
106 100
91 211.5 105.8 317.3

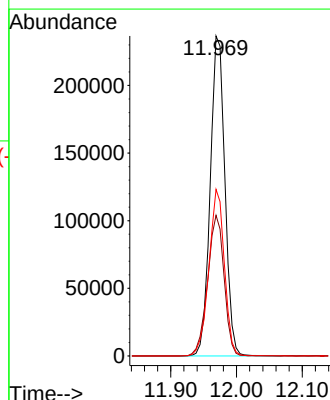
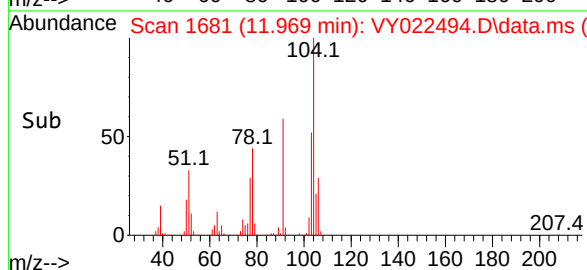
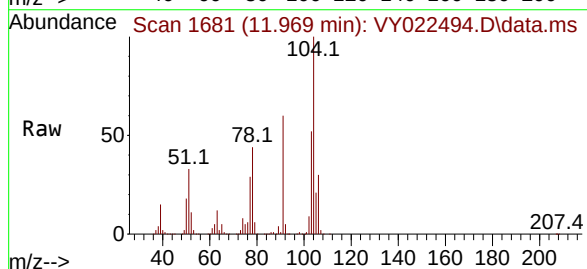
Manual Integrations
APPROVED

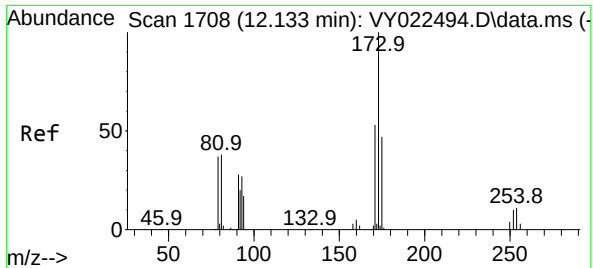
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#70
Styrene
Concen: 52.052 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

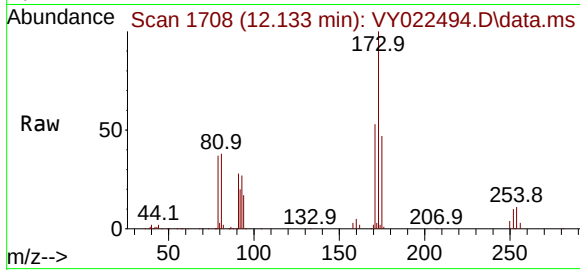
Tgt Ion:104 Resp: 367553
Ion Ratio Lower Upper
104 100
78 49.4 39.5 59.3
103 55.1 44.1 66.1





#71
Bromoform
Concen: 51.996 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

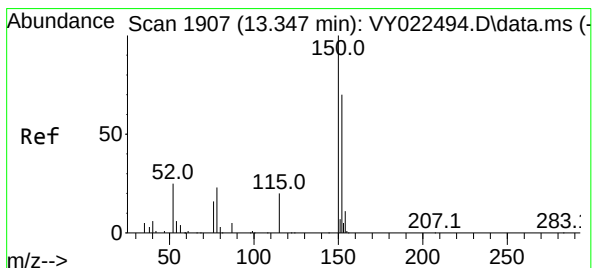
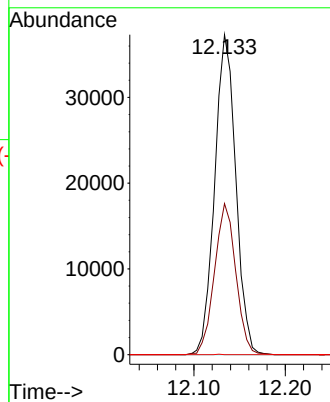
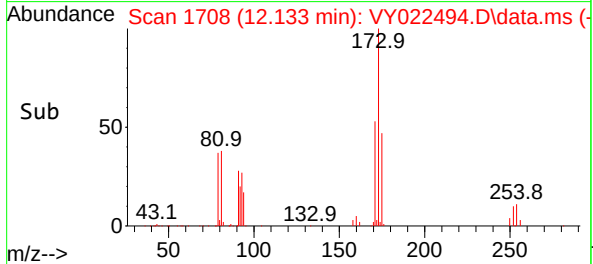
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



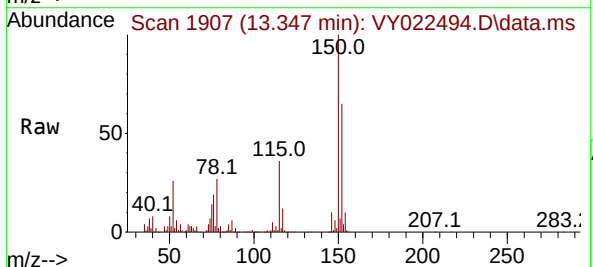
Tgt Ion:173 Resp: 5988
Ion Ratio Lower Upper
173 100
175 47.7 23.8 71.5
254 0.0 0.0 0.0

Manual Integrations
APPROVED

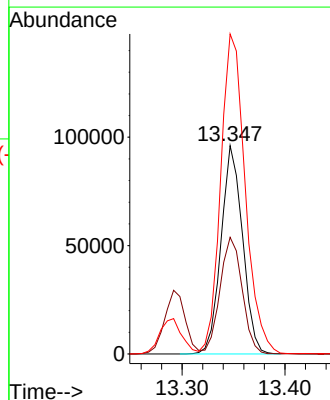
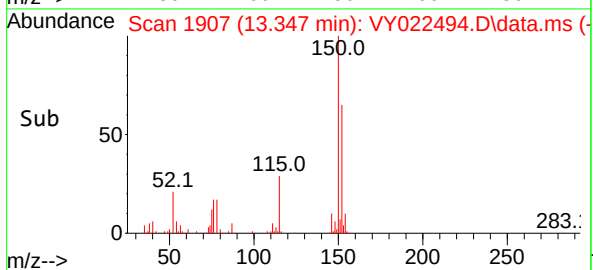
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

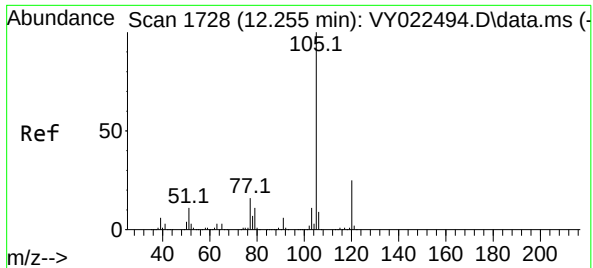


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



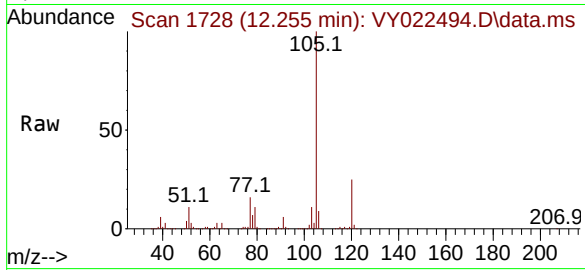
Tgt Ion:152 Resp: 139554
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.7
150 174.8 0.0 349.6





#73
Isopropylbenzene
Concen: 51.329 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

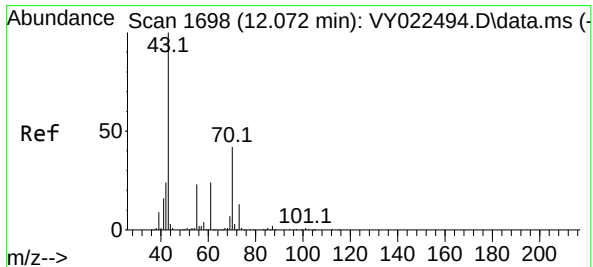
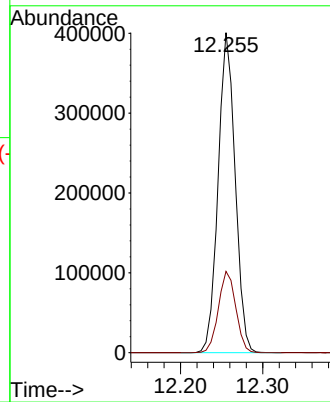
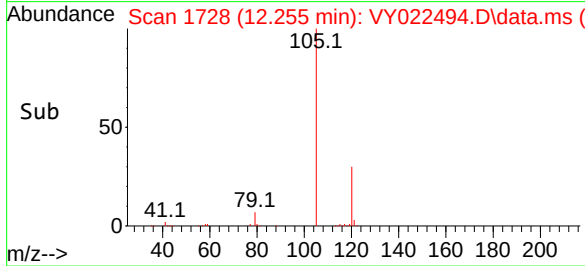
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 577133
Ion Ratio Lower Upper
105 100
120 25.9 13.0 38.9

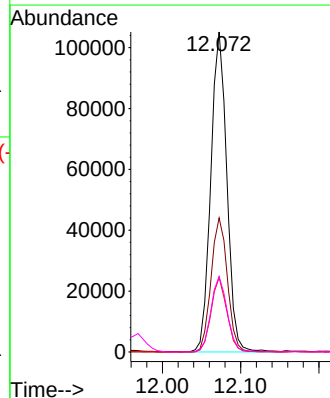
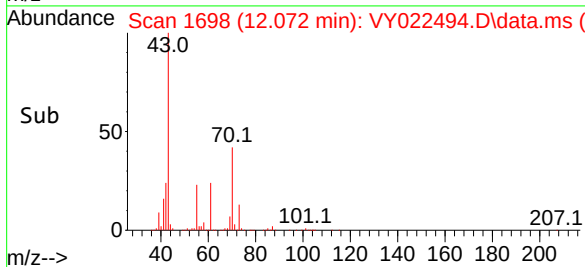
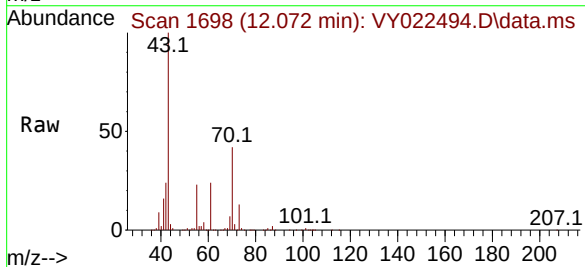
Manual Integrations
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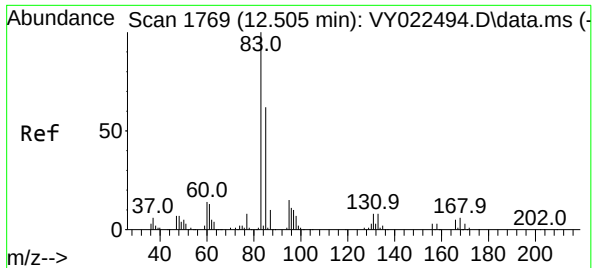
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#74
N-ethyl acetate
Concen: 52.627 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 149637
Ion Ratio Lower Upper
43 100
70 42.7 34.2 51.2
55 22.8 18.2 27.4
61 23.8 19.0 28.6





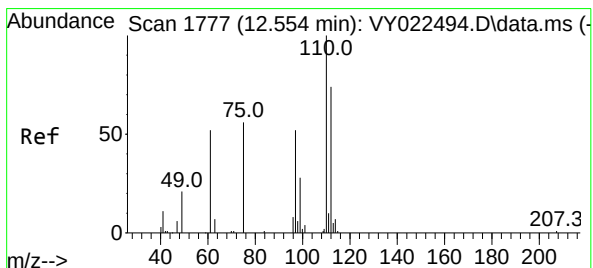
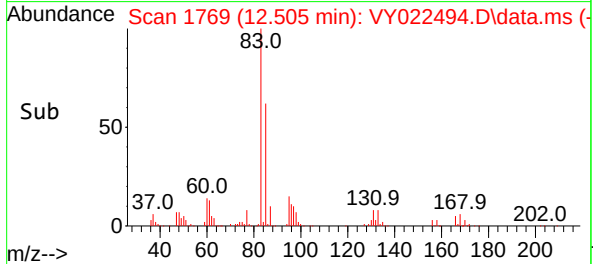
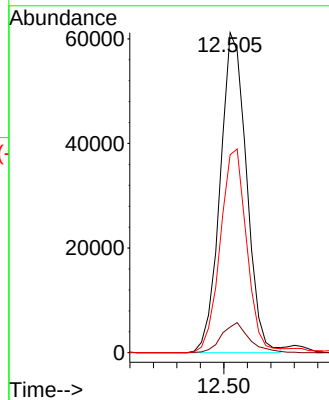
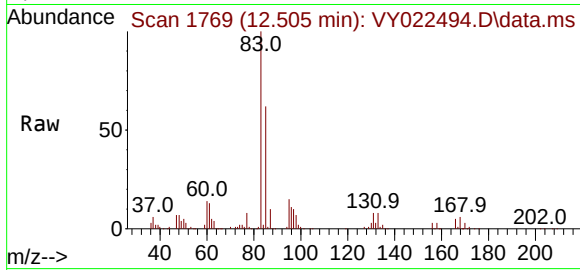
#75
1,1,2,2-Tetrachloroethane
Concen: 52.145 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 95218
Ion Ratio Lower Upper
83 100
131 9.8 4.9 14.7
85 65.2 32.6 97.8

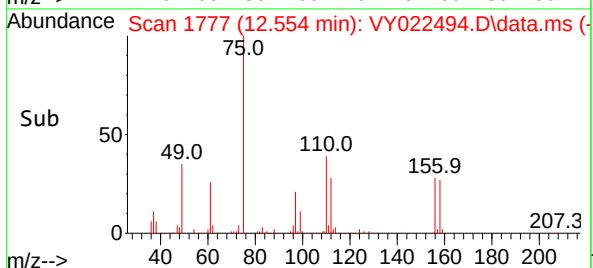
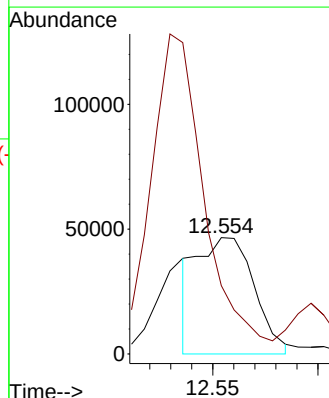
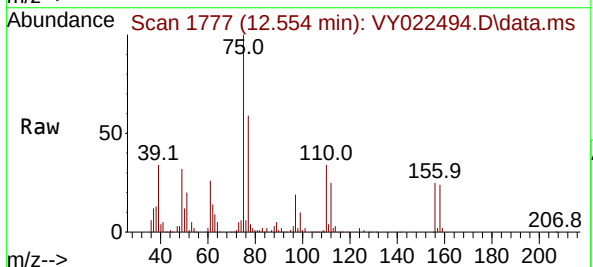
Manual Integrations
APPROVED

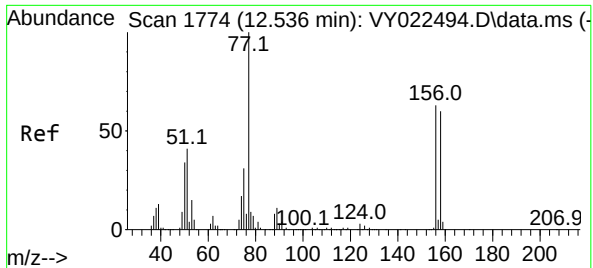
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#76
1,2,3-Trichloropropane
Concen: 47.747 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

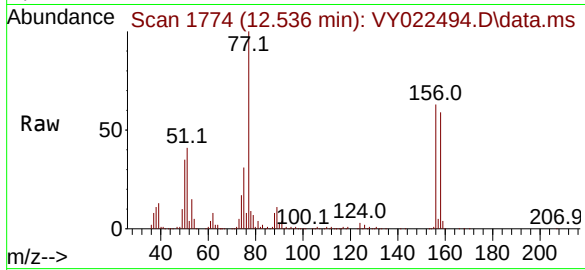
Tgt Ion: 75 Resp: 87965
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 50.812 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

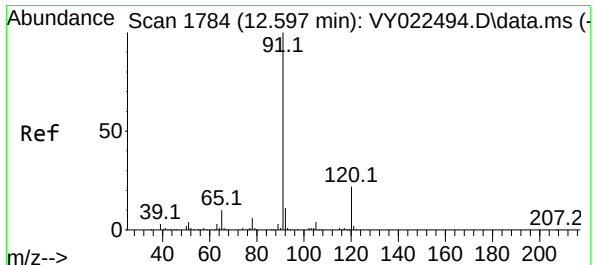
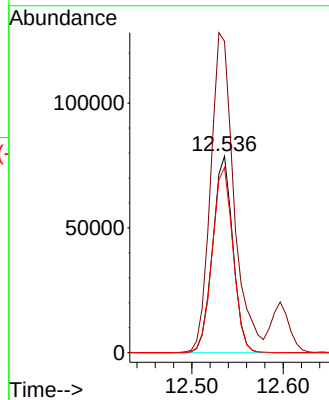
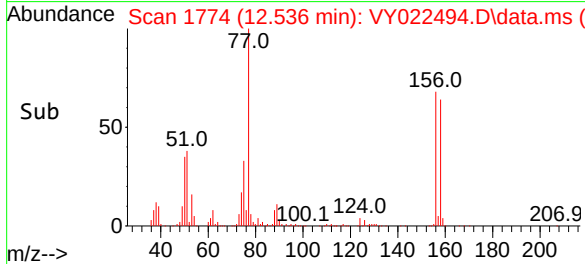
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 156 Resp: 121092
Ion Ratio Lower Upper
156 100
77 188.1 94.0 282.1
158 96.4 48.2 144.6

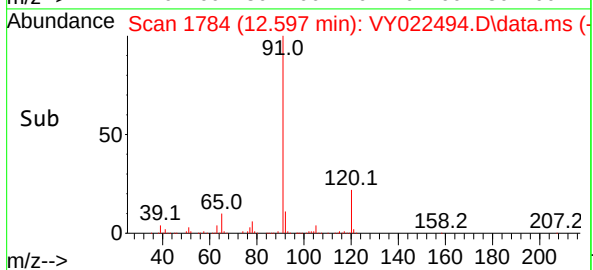
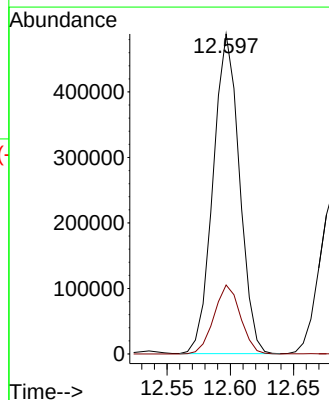
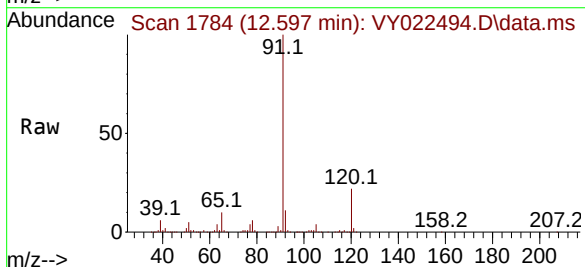
Manual Integrations
APPROVED

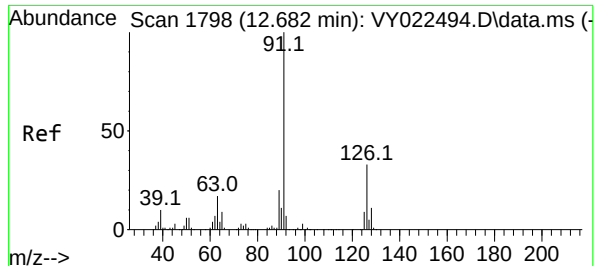
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#78
n-propylbenzene
Concen: 51.667 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 707143
Ion Ratio Lower Upper
91 100
120 21.6 10.8 32.4





#79

2-Chlorotoluene

Concen: 51.670 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 37340

Ion Ratio Lower Upper

91 100

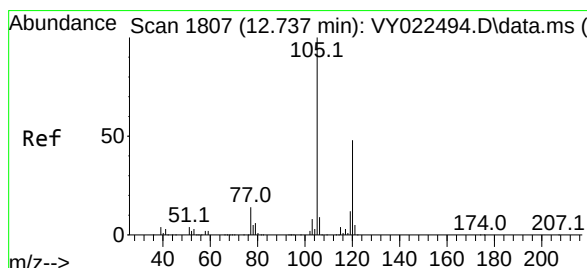
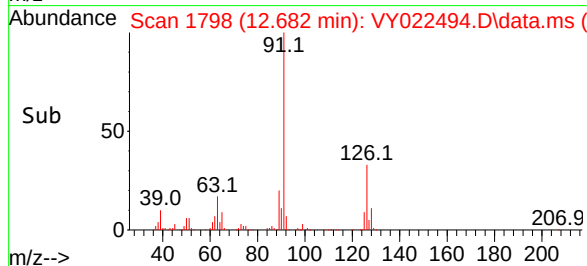
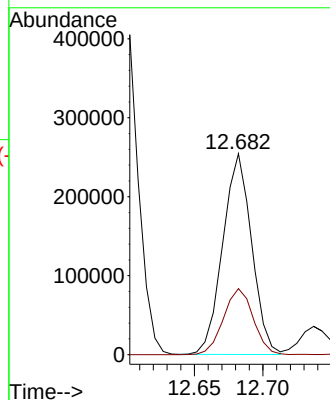
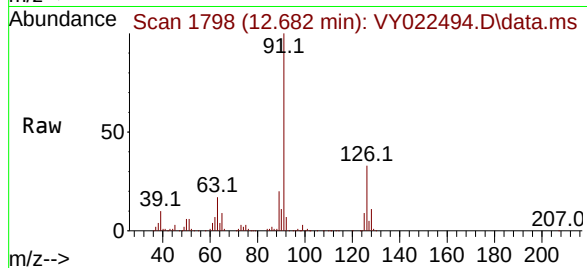
126 34.0 17.0 51.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 51.754 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022494.D

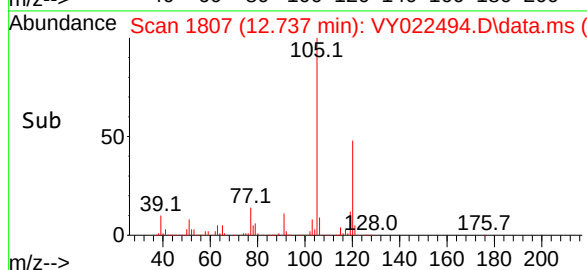
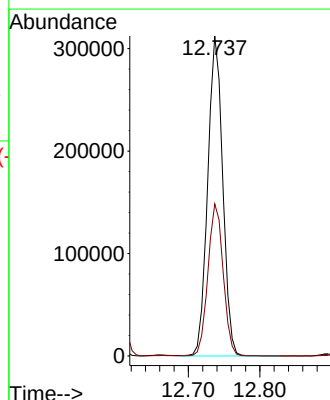
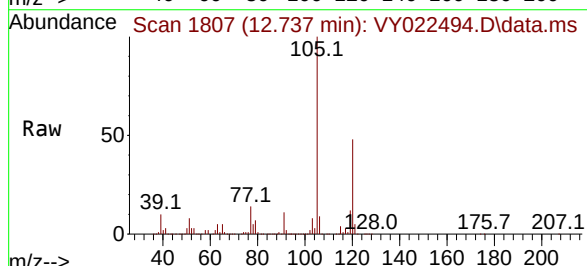
Acq: 02 Jun 2025 12:54

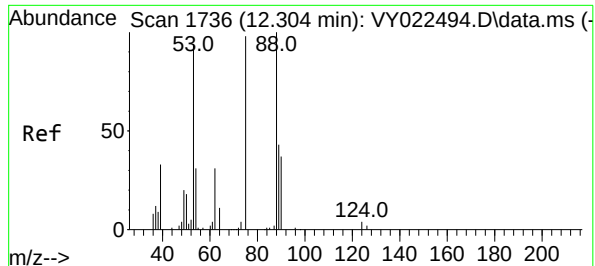
Tgt Ion:105 Resp: 455006

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4





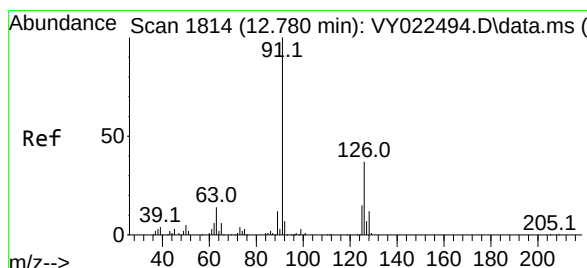
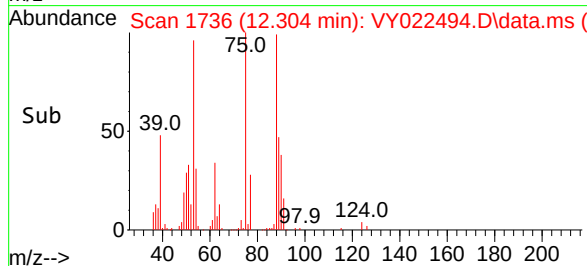
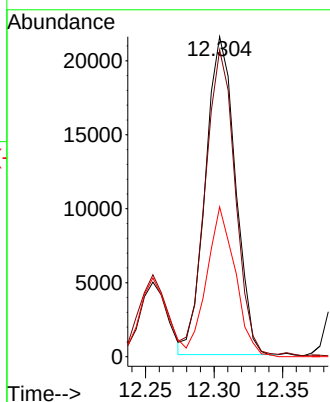
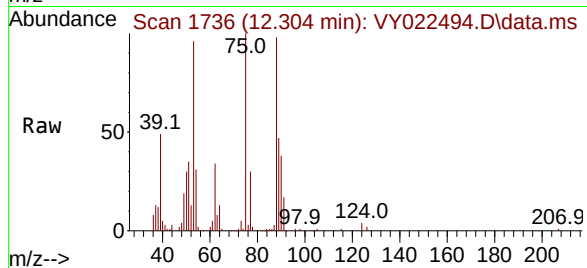
#81
trans-1,4-Dichloro-2-butene
Concen: 50.780 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 32630
Ion Ratio Lower Upper
75 100
53 98.1 78.5 117.7
89 44.6 35.7 53.5

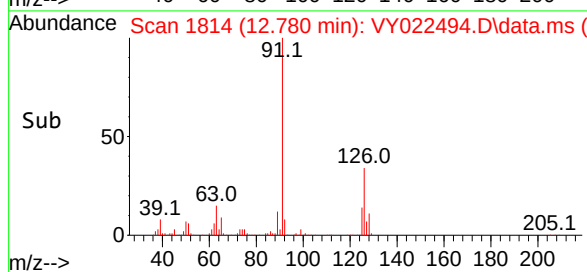
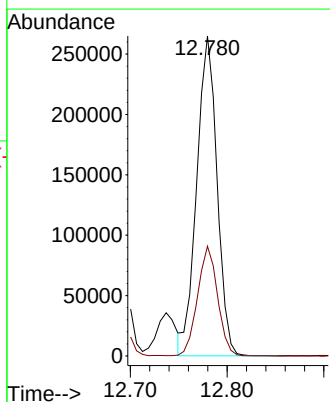
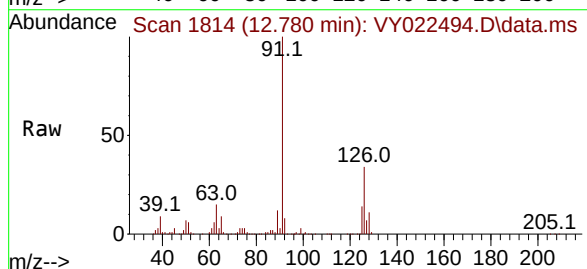
Manual Integrations
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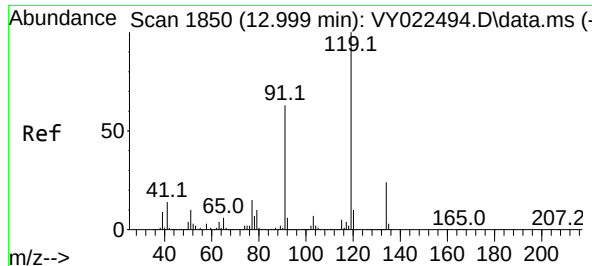
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#82
4-Chlorotoluene
Concen: 51.710 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 387296
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#83

tert-Butylbenzene

Concen: 50.438 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 404519

Ion Ratio Lower Upper

119 100

91 64.2 32.1 96.3

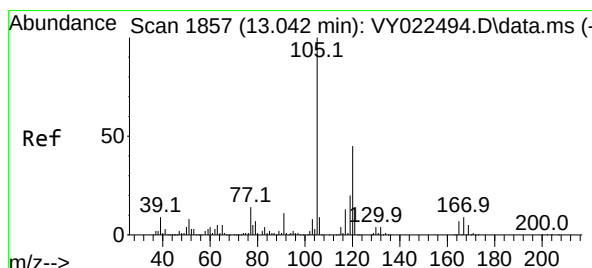
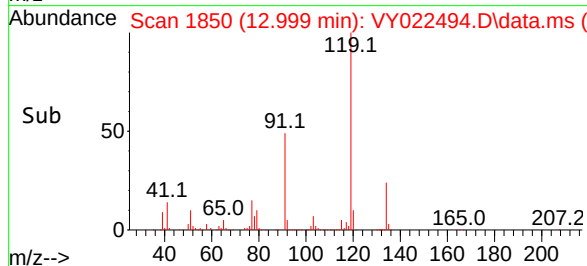
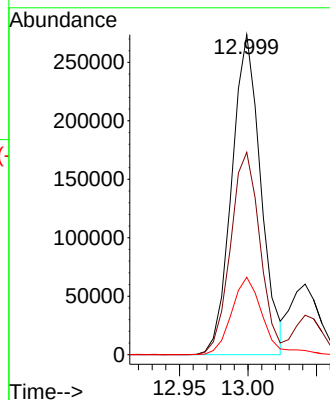
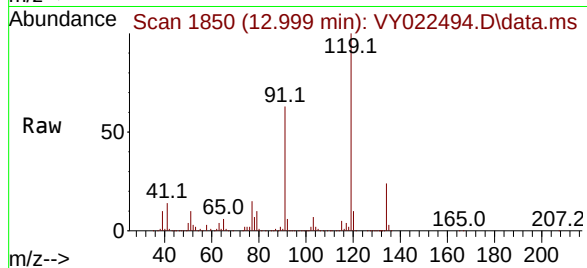
134 25.9 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.088 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022494.D

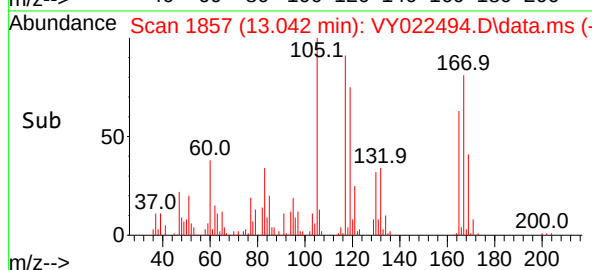
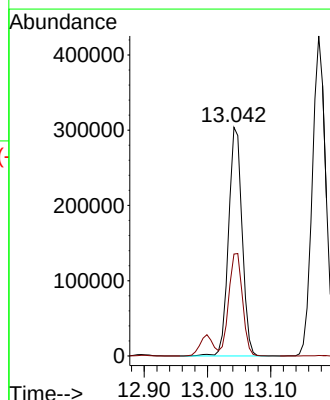
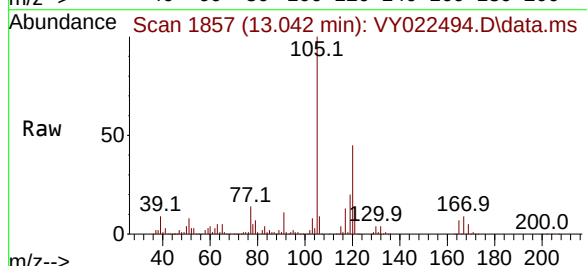
Acq: 02 Jun 2025 12:54

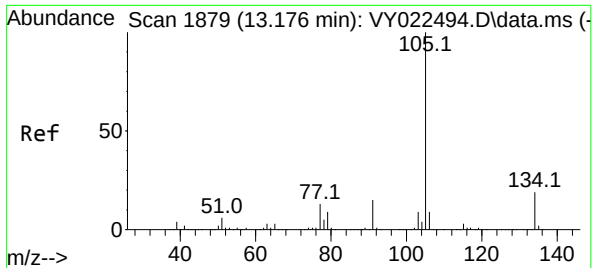
Tgt Ion:105 Resp: 449372

Ion Ratio Lower Upper

105 100

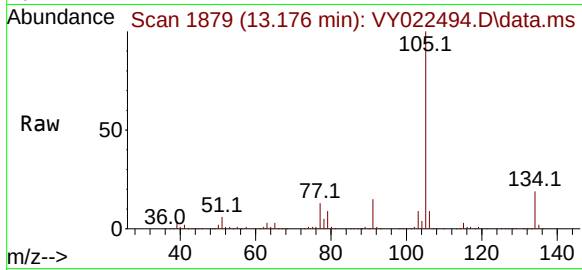
120 45.4 22.7 68.1





#85
 sec-Butylbenzene
 Concen: 51.250 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY022494.D
 Acq: 02 Jun 2025 12:54

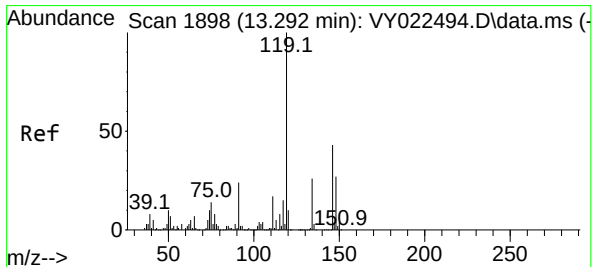
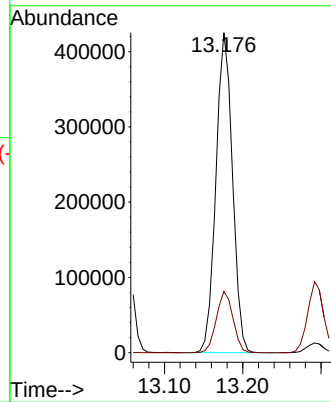
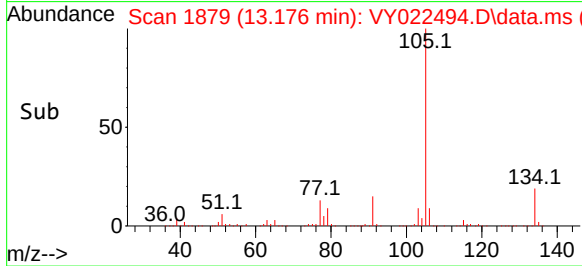
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050



Tgt Ion:105 Resp: 62318
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 28.9

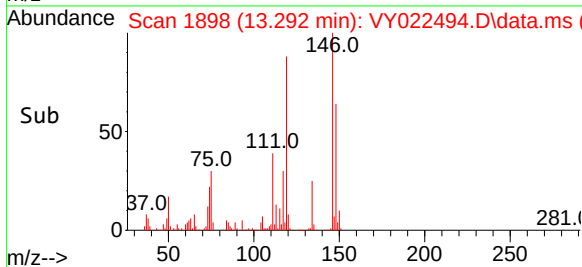
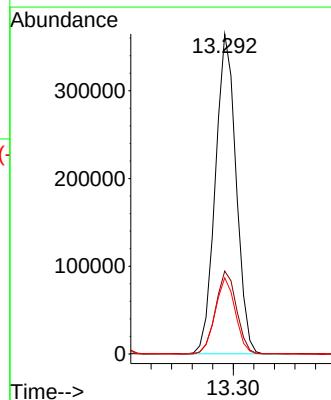
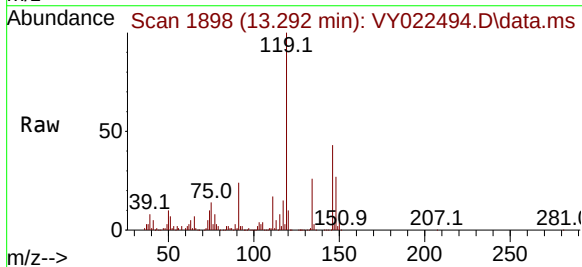
Manual Integrations
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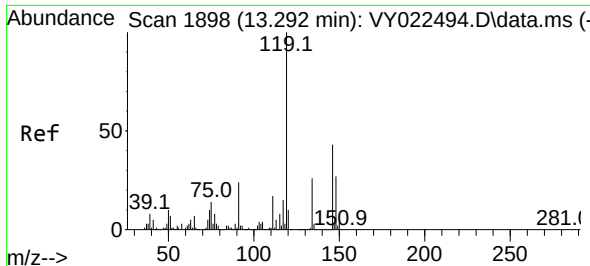
Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025



#86
 p-Isopropyltoluene
 Concen: 51.018 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY022494.D
 Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 510026
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 23.2 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 50.717 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY022494.D

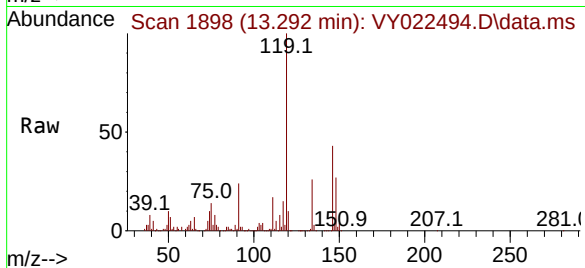
Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050



Tgt Ion:146 Resp: 241810

Ion Ratio Lower Upper

146 100

111 40.1 20.1 60.2

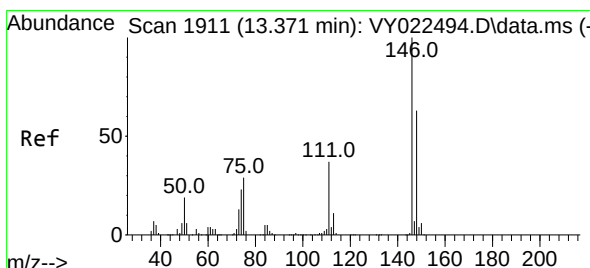
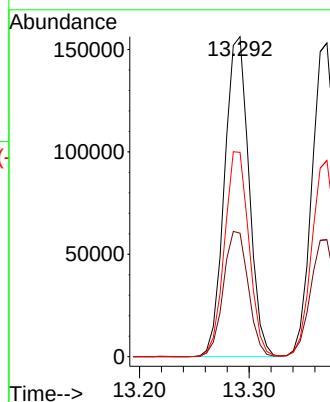
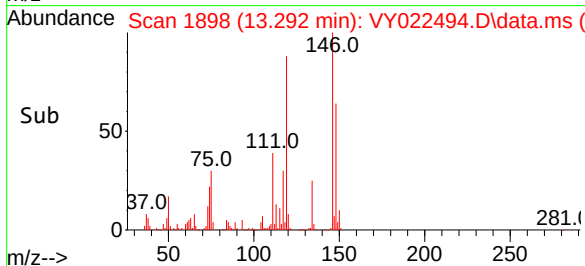
148 64.2 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#88

1,4-Dichlorobenzene

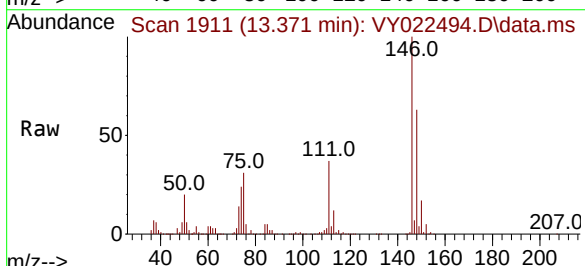
Concen: 51.108 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54



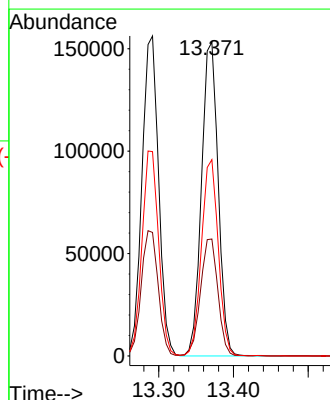
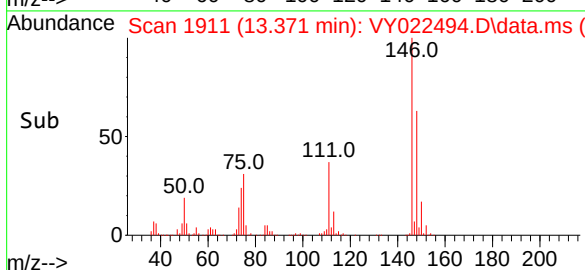
Tgt Ion:146 Resp: 237429

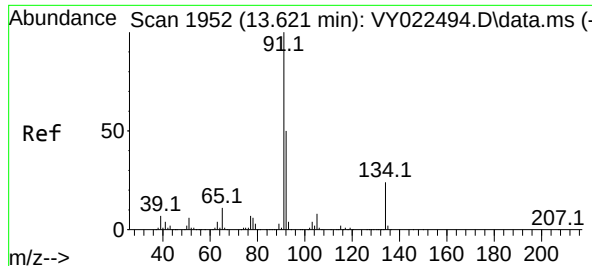
Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.2

148 63.2 31.6 94.8





#89

n-Butylbenzene

Concen: 51.811 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

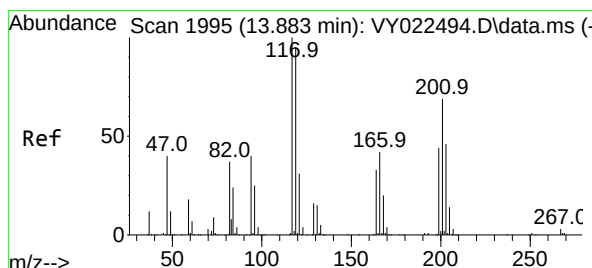
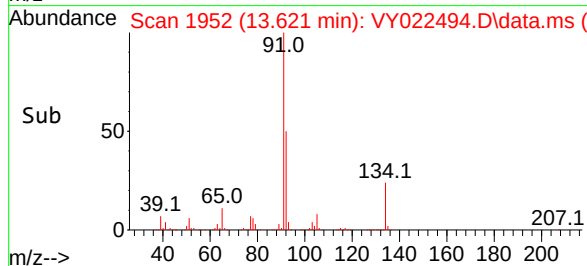
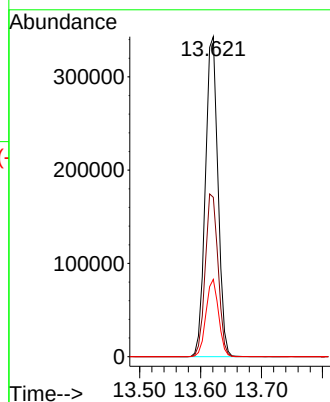
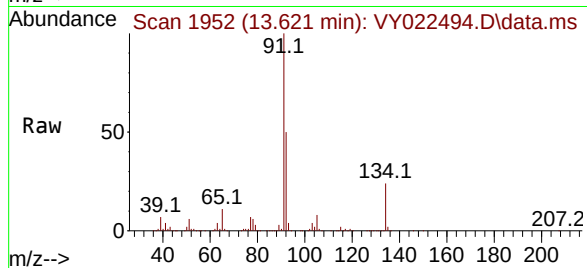
VSTDICCC050

Tgt Ion:	91	Resp:	49315
Ion Ratio	Lower	Upper	
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#90

Hexachloroethane

Concen: 51.068 ug/l

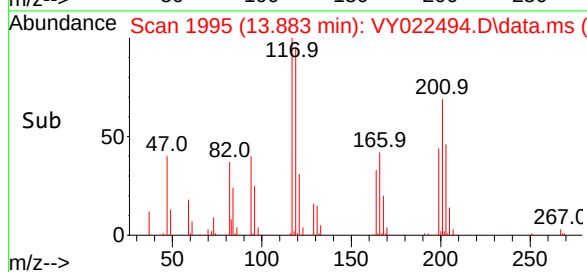
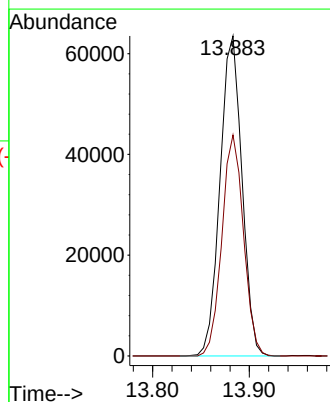
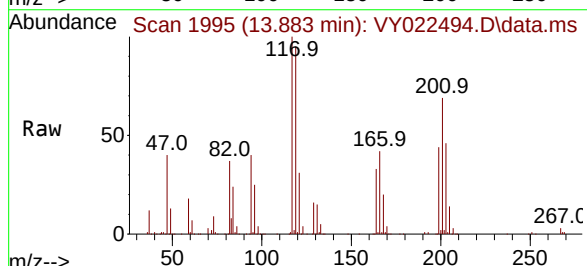
RT: 13.883 min Scan# 1995

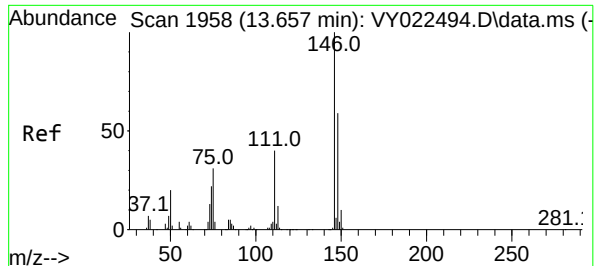
Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

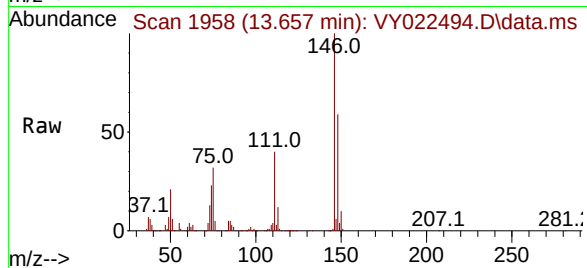
Tgt Ion:	117	Resp:	99901
Ion Ratio	Lower	Upper	
117	100		
201	68.0	34.0	102.0





#91
1,2-Dichlorobenzene
Concen: 51.528 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

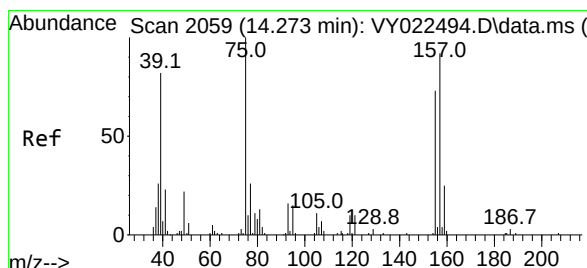
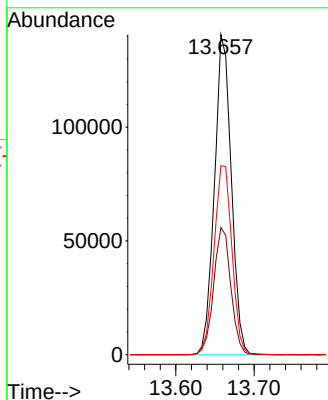
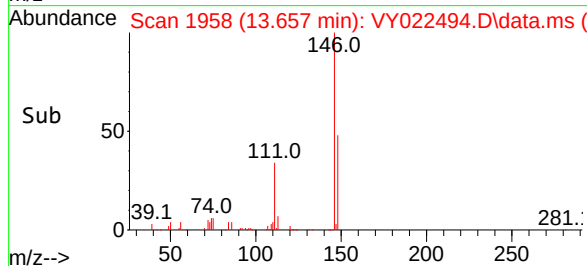
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:146 Resp: 211065
Ion Ratio Lower Upper
146 100
111 40.4 20.2 60.6
148 62.7 31.4 94.0

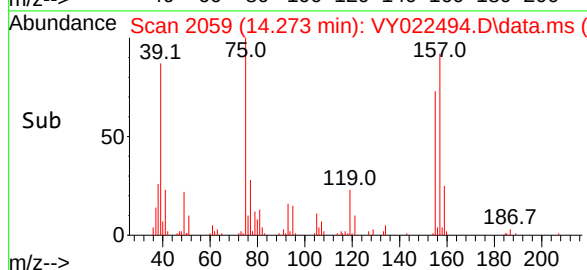
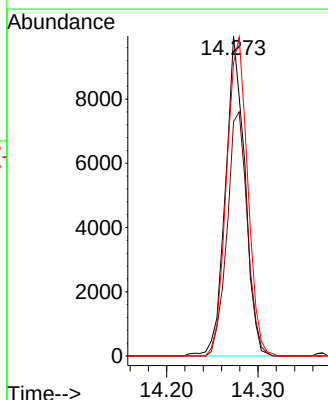
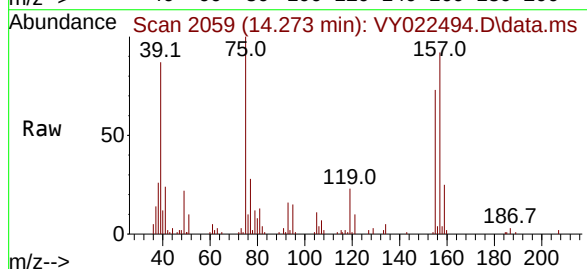
Manual Integrations
APPROVED

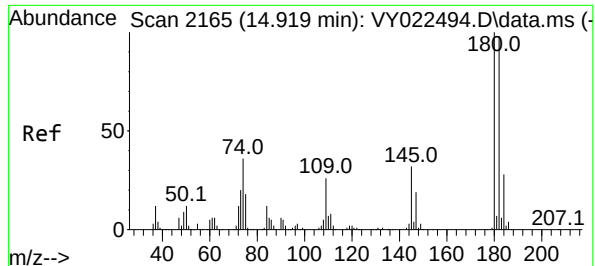
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 53.244 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 14697
Ion Ratio Lower Upper
75 100
155 79.7 39.9 119.6
157 108.0 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 50.919 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 11400

Ion Ratio Lower Upper

180 100

182 96.9 48.4 145.3

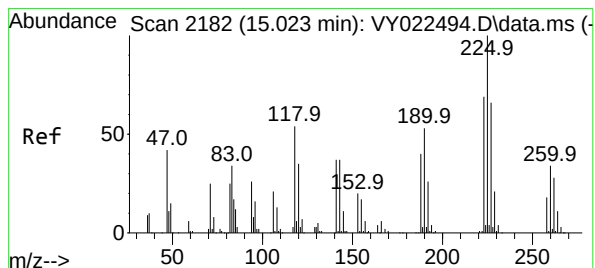
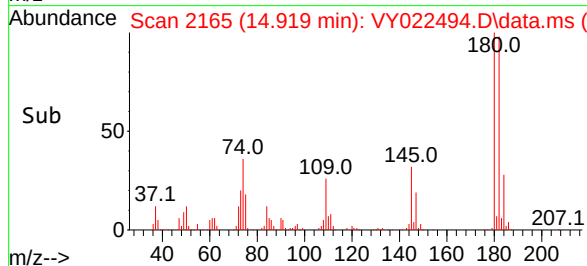
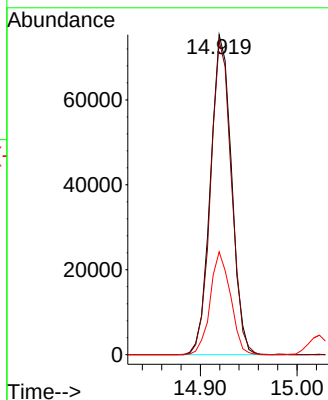
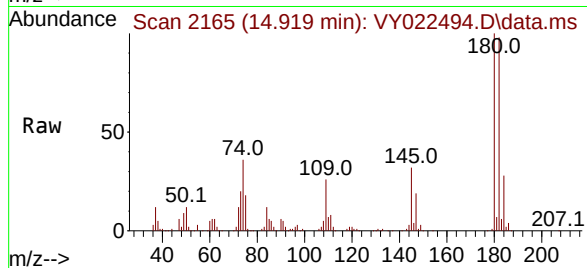
145 31.0 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#94

Hexachlorobutadiene

Concen: 51.054 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

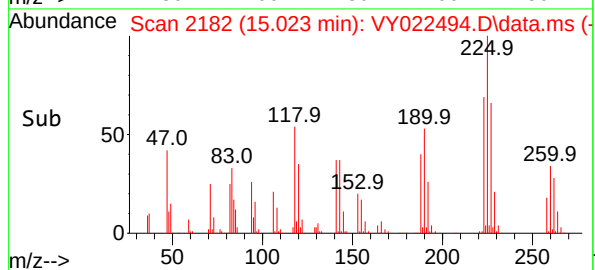
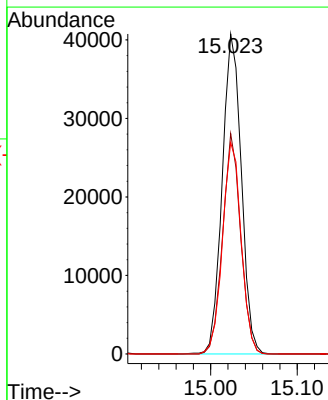
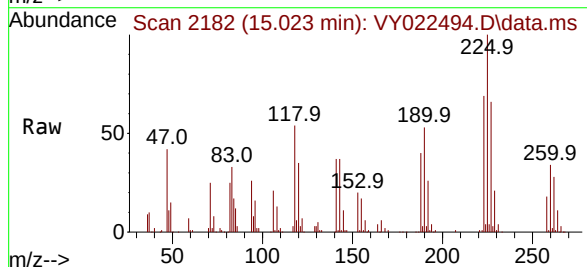
Tgt Ion:225 Resp: 62434

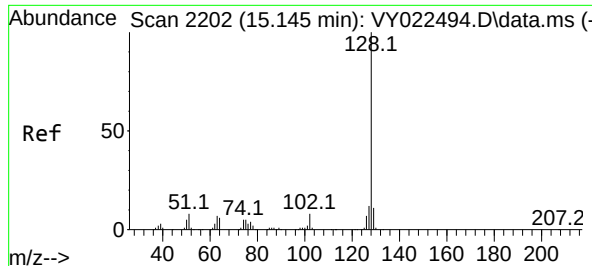
Ion Ratio Lower Upper

225 100

223 64.9 32.5 97.4

227 64.6 32.3 96.9





#95

Naphthalene

Concen: 52.686 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

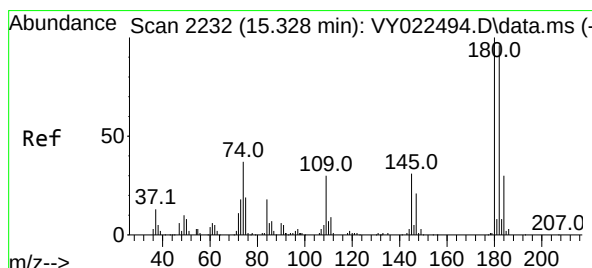
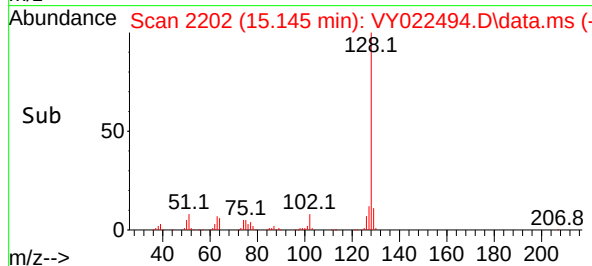
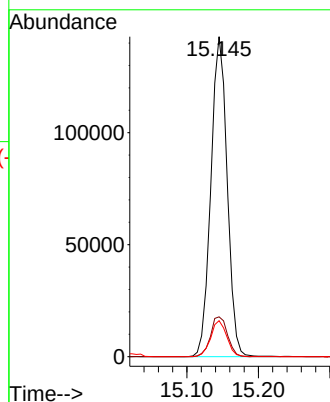
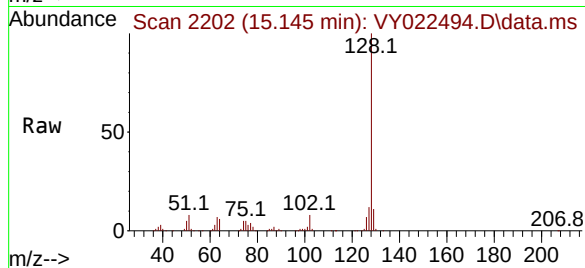
VSTDICCC050

Tgt Ion:	128	Resp:	22607
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96

1,2,3-Trichlorobenzene

Concen: 51.295 ug/l

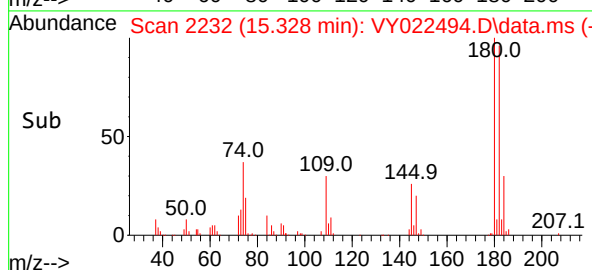
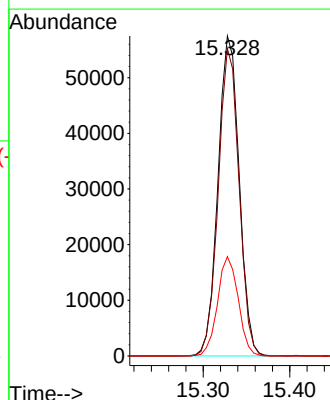
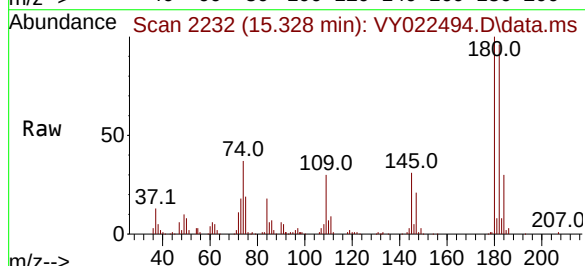
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

Tgt Ion:	180	Resp:	97609
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.1	141.3
145	30.4	15.2	45.6





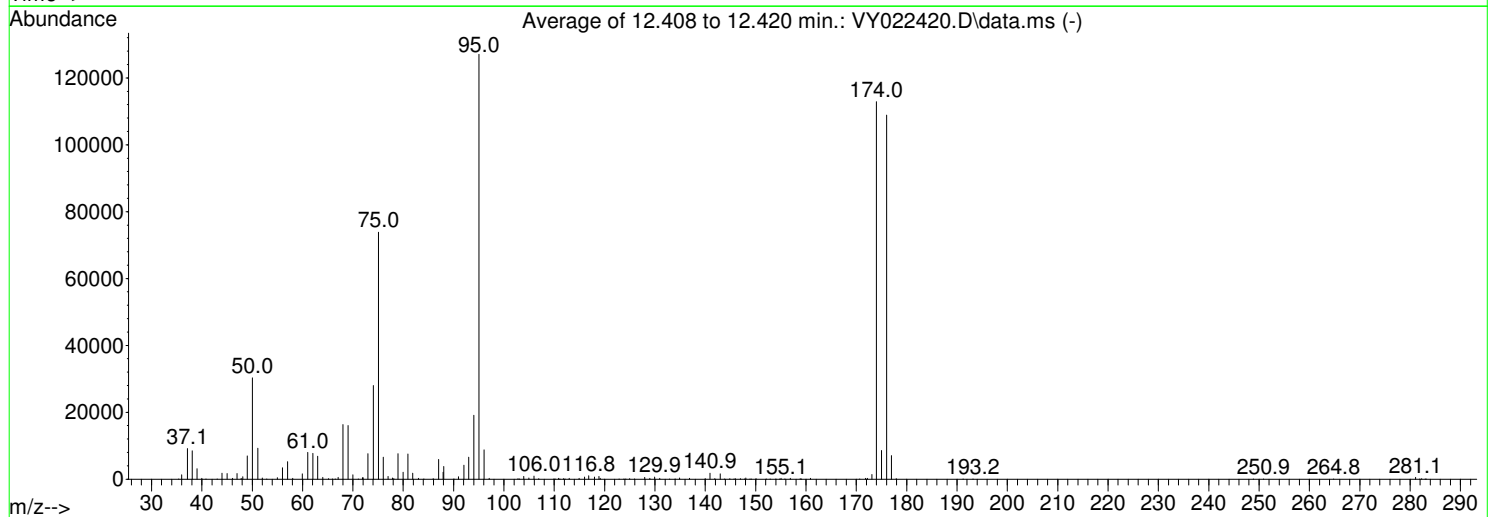
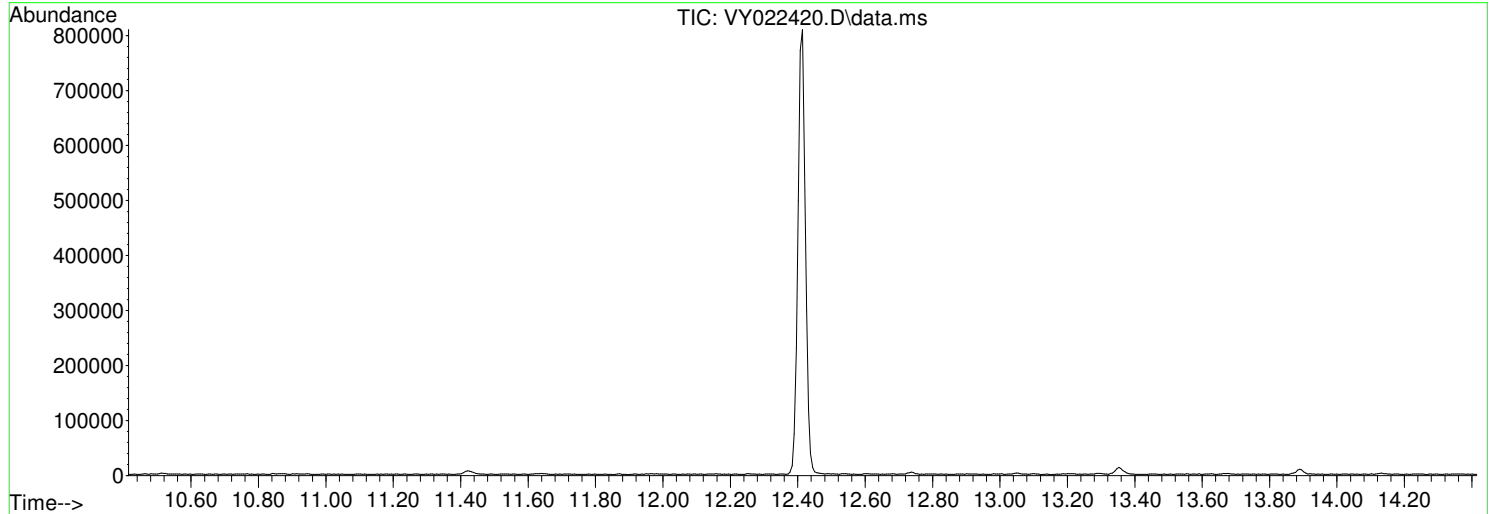
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022420.D
Acq On : 27 May 2025 08:20
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\82Y052725S.M
Title : SW846 8260
Last Update : Wed May 28 10:34:06 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

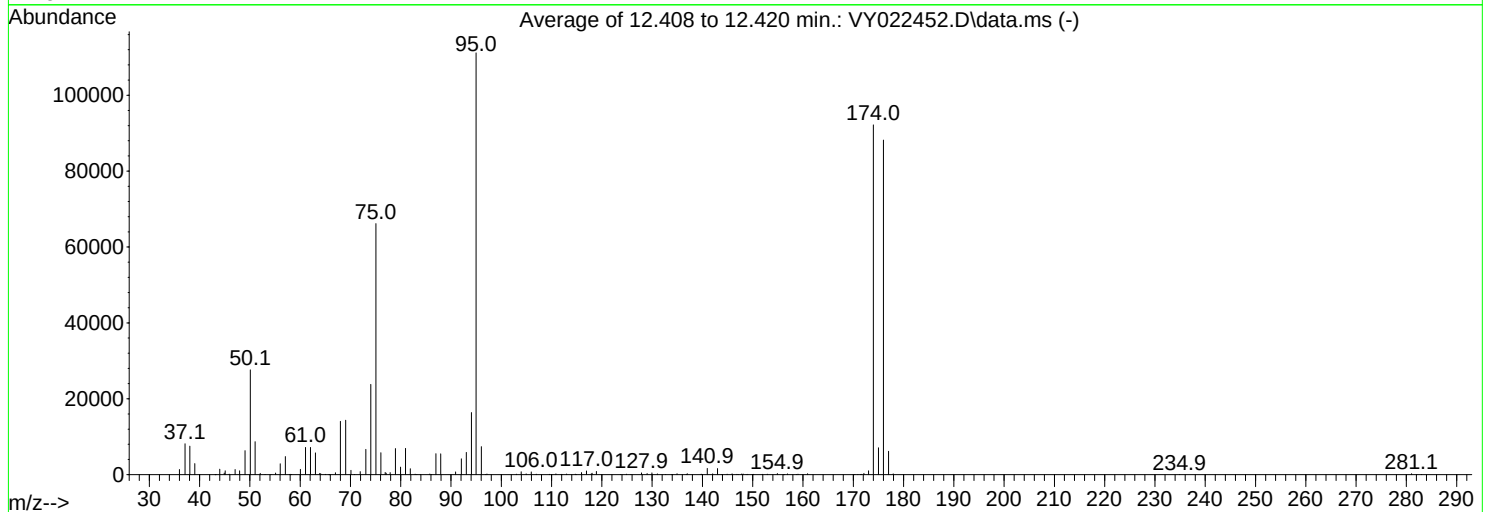
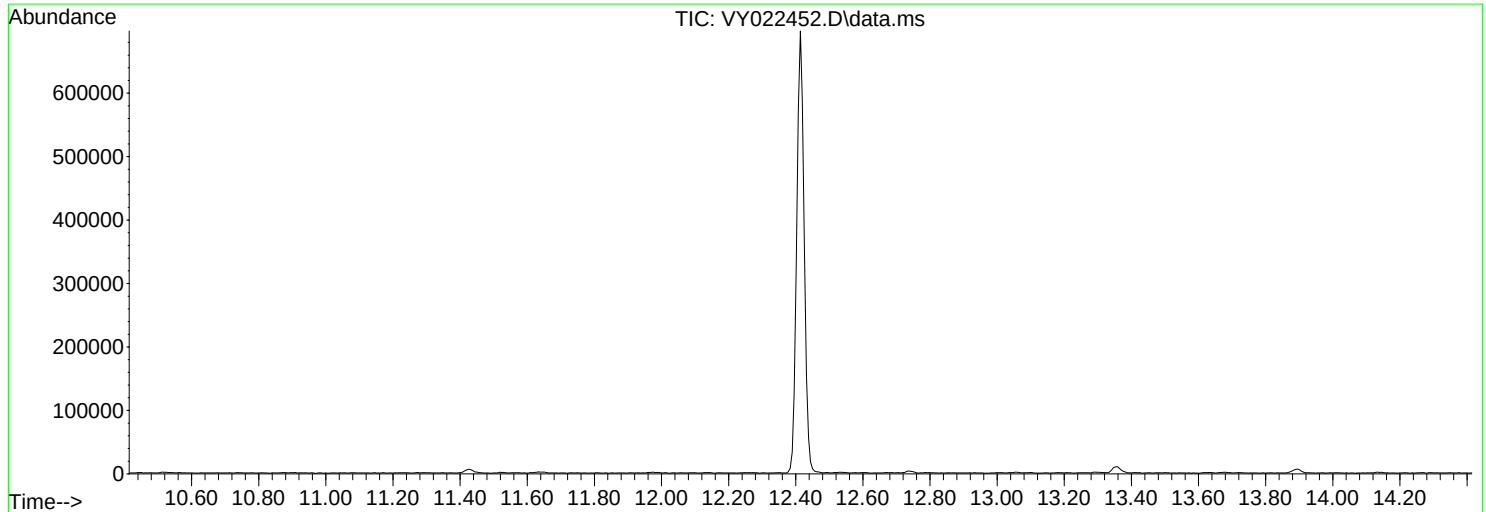
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	23.8	30285	PASS
75	95	30	60	58.1	73816	PASS
95	95	100	100	100.0	127085	PASS
96	95	5	9	6.9	8787	PASS
173	174	0.00	2	1.2	1405	PASS
174	95	50	100	88.8	112901	PASS
175	174	5	9	7.6	8537	PASS
176	174	95	101	96.4	108888	PASS
177	176	5	9	6.5	7038	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022452.D
Acq On : 29 May 2025 07:54
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\82Y052725S.M
Title : SW846 8260
Last Update : Wed May 28 10:34:06 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

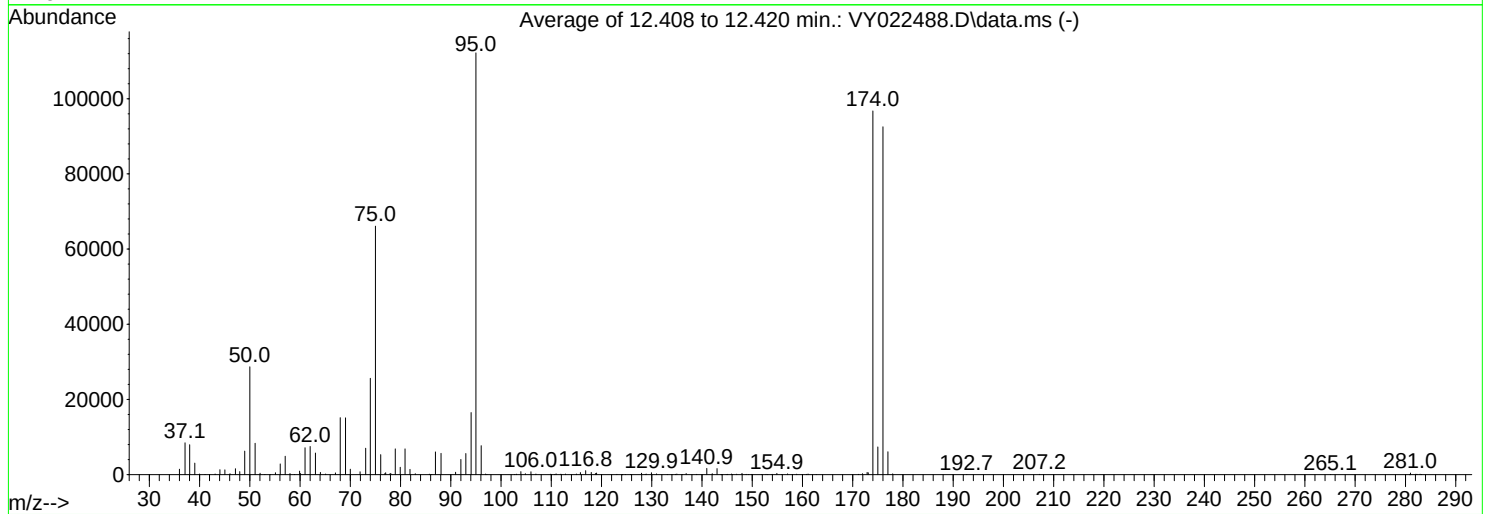
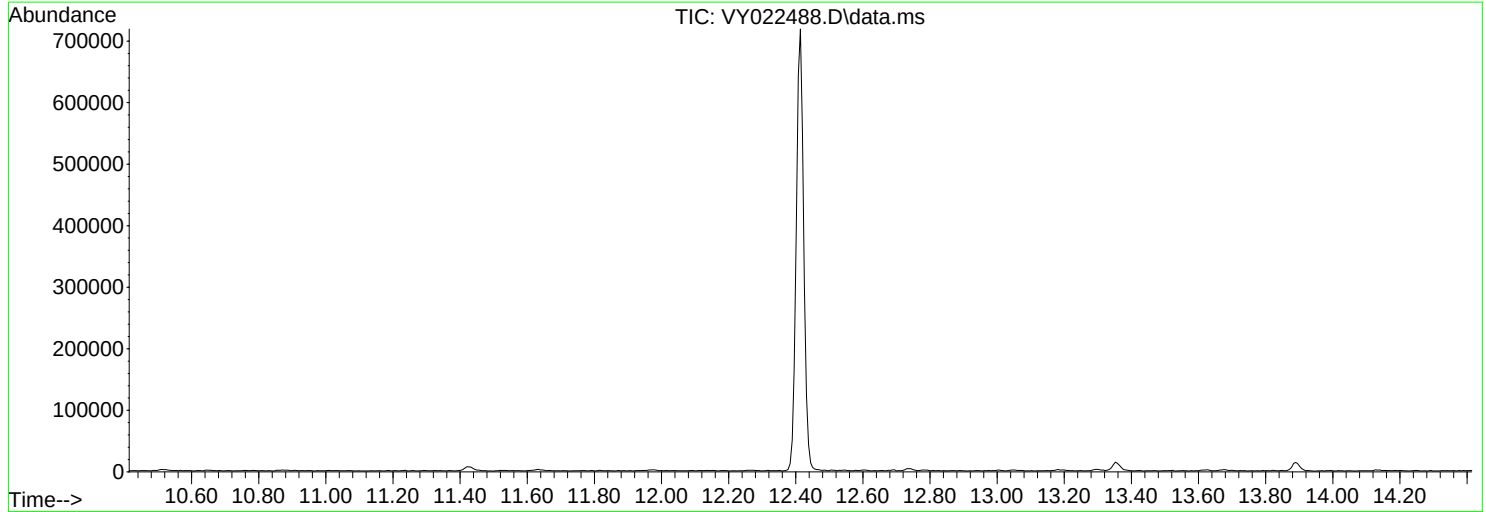
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.8	27616	PASS
75	95	30	60	59.5	66192	PASS
95	95	100	100	100.0	111184	PASS
96	95	5	9	6.6	7367	PASS
173	174	0.00	2	1.1	1032	PASS
174	95	50	100	82.9	92195	PASS
175	174	5	9	7.7	7073	PASS
176	174	95	101	95.6	88176	PASS
177	176	5	9	7.0	6175	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022488.D
Acq On : 02 Jun 2025 08:31
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\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	28688	PASS
75	95	30	60	58.9	66115	PASS
95	95	100	100	100.0	112208	PASS
96	95	5	9	6.9	7706	PASS
173	174	0.00	2	0.6	591	PASS
174	95	50	100	86.2	96760	PASS
175	174	5	9	7.6	7372	PASS
176	174	95	101	95.6	92520	PASS
177	176	5	9	6.6	6076	PASS

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBL01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022454.D	1		05/29/25 08:56	VY052925

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBL01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022454.D	1		05/29/25 08:56	VY052925

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	53.3		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.9		17 - 146	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	321000	7.719			
540-36-3	1,4-Difluorobenzene	585000	8.621			
3114-55-4	Chlorobenzene-d5	456000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.352			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBL01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	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
VY022454.D	1		05/29/25 08:56	VY052925

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\VY052925\
 Data File : VY022454.D
 Acq On : 29 May 2025 08:56
 Operator : SY/MD
 Sample : VY0529SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0529SBL01

Quant Time: May 30 05:29:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	320837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	584950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	455837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	159461	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	180255	53.339	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.680%
35) Dibromofluoromethane	7.646	113	173894	50.762	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.520%
50) Toluene-d8	10.115	98	699660	50.101	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.200%
62) 4-Bromofluorobenzene	12.413	95	172737	40.893	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.780%

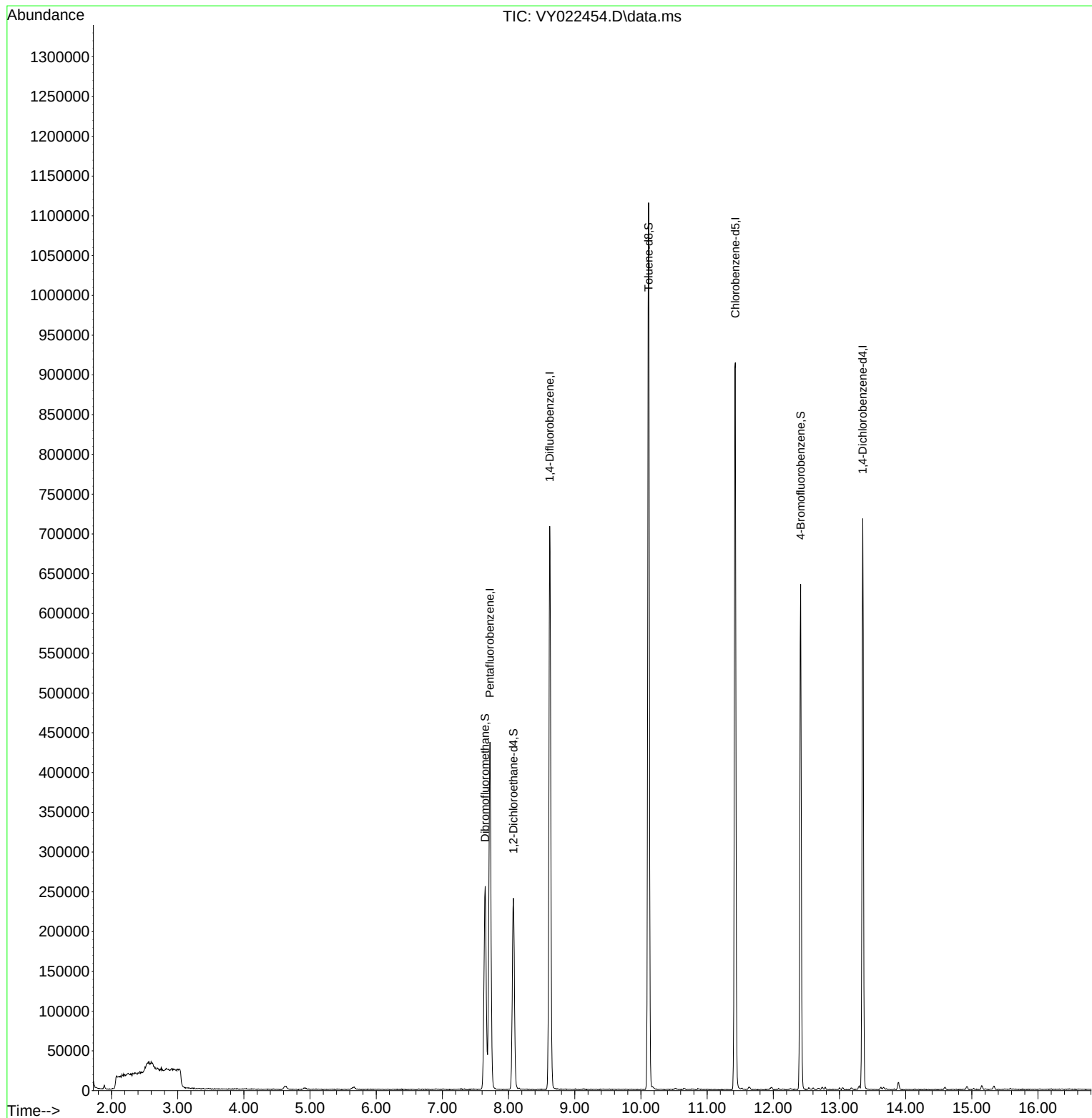
Target Compounds	Qvalue

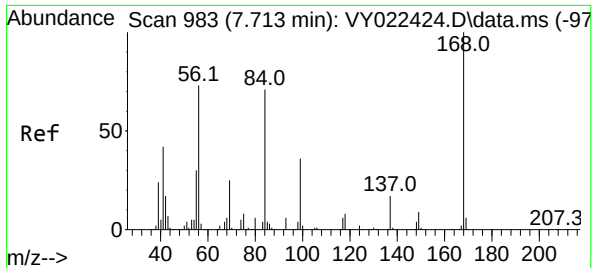
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Quant Time: May 30 05:29:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

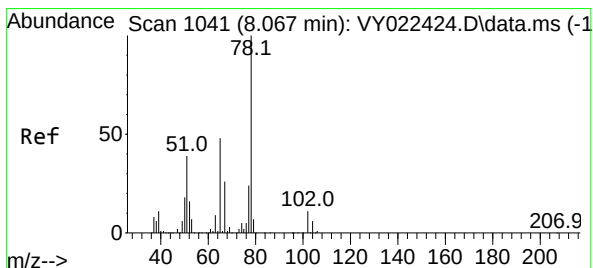
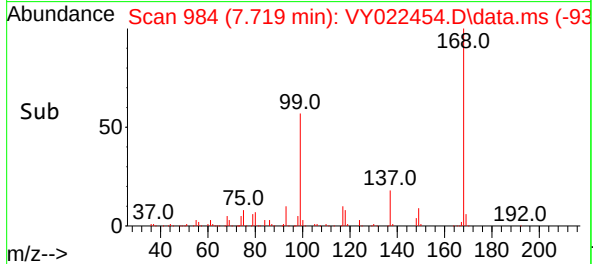
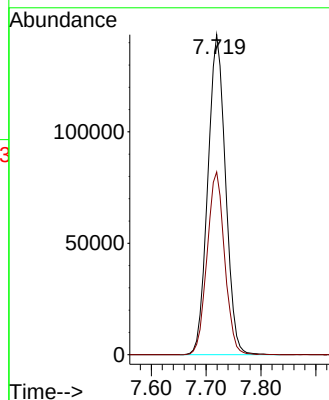
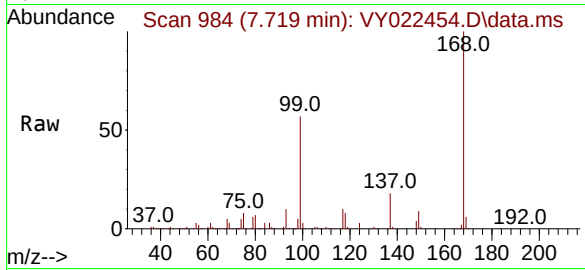




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

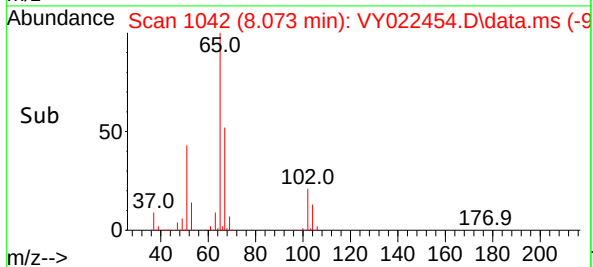
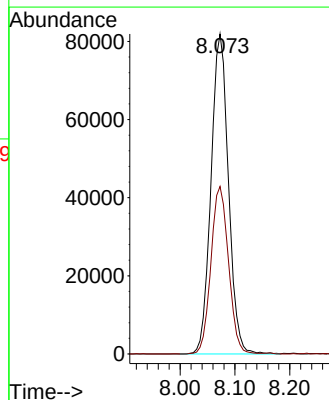
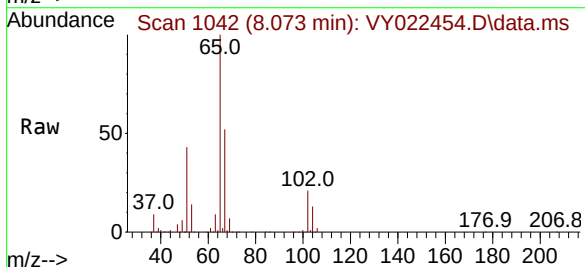
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

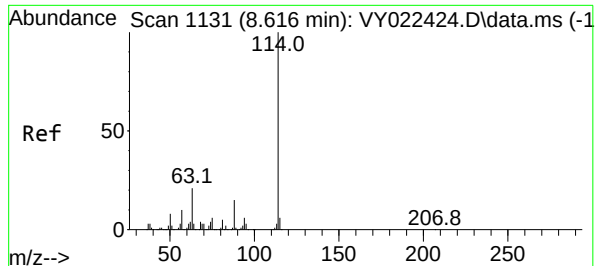
Tgt Ion:168 Resp: 320837
Ion Ratio Lower Upper
168 100
99 57.1 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 53.339 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion: 65 Resp: 180255
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022454.D

Acq: 29 May 2025 08:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBL01

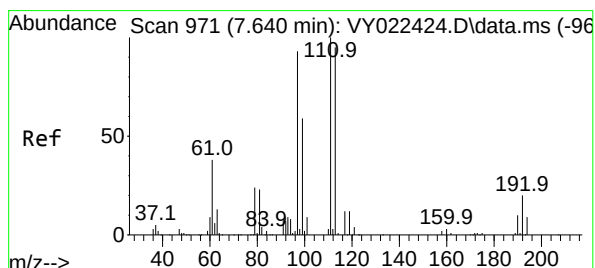
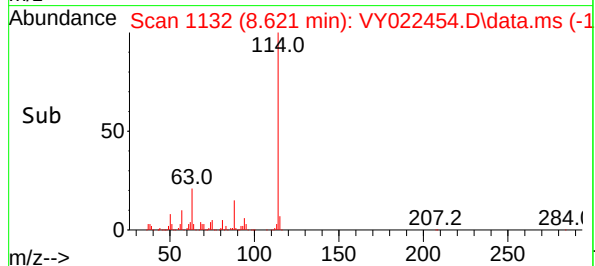
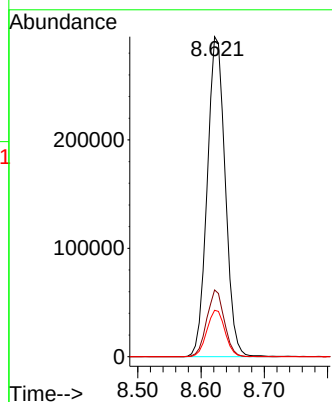
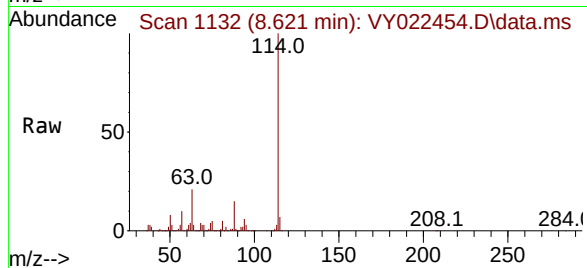
Tgt Ion:114 Resp: 584950

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 14.5 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.762 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY022454.D

Acq: 29 May 2025 08:56

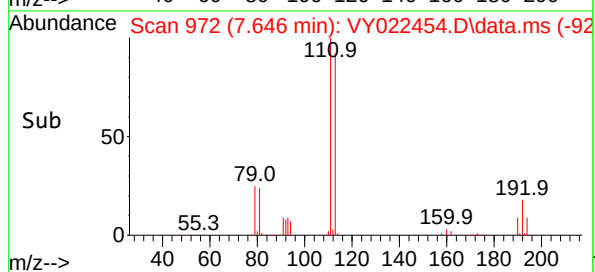
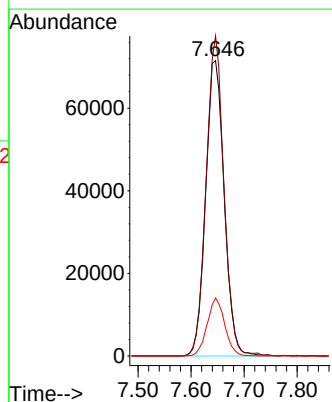
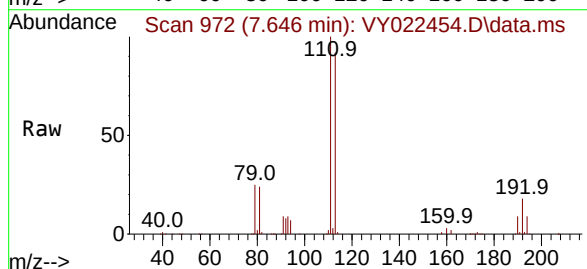
Tgt Ion:113 Resp: 173894

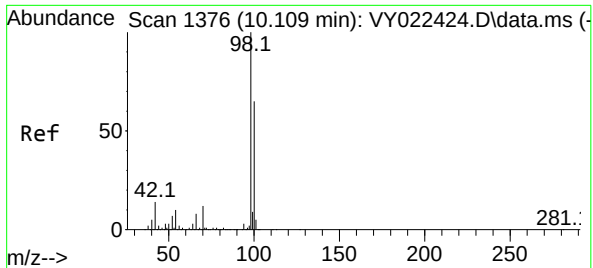
Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

192 18.6 15.2 22.8

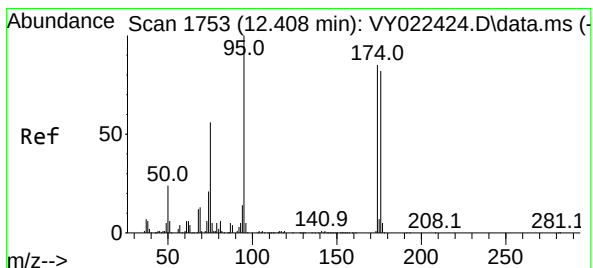
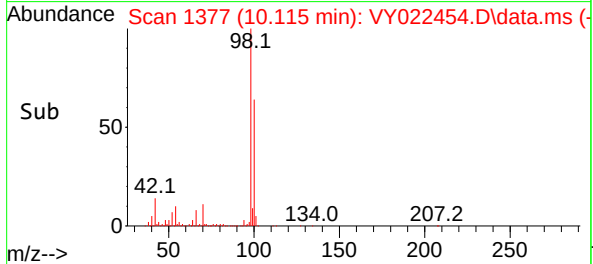
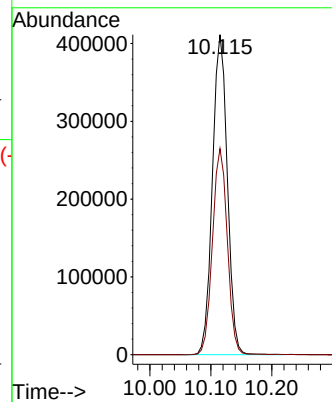
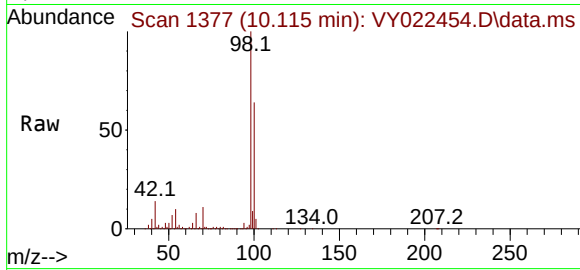




#50
Toluene-d8
Concen: 50.101 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

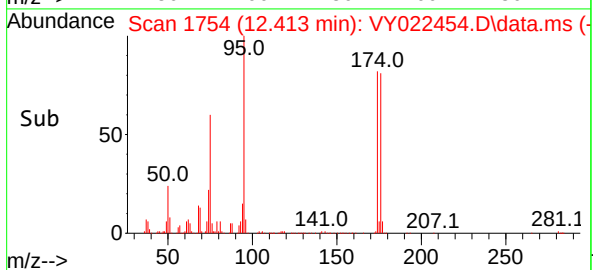
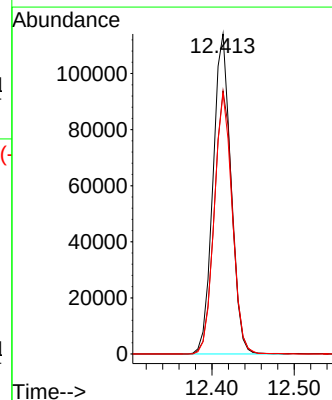
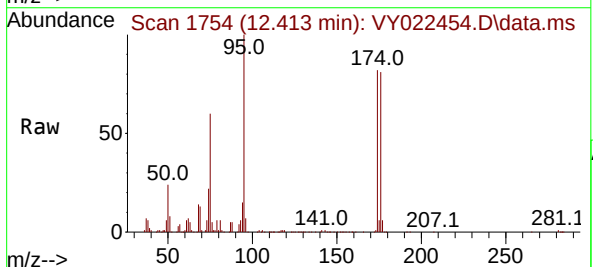
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

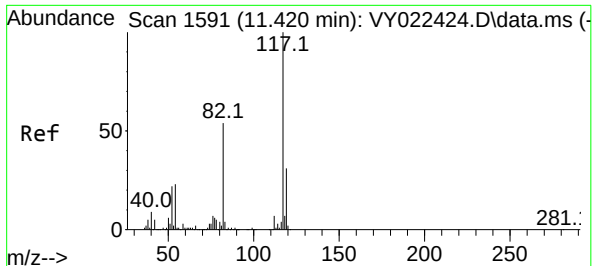
Tgt Ion: 98 Resp: 699660
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 40.893 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion: 95 Resp: 172737
Ion Ratio Lower Upper
95 100
174 83.6 0.0 171.6
176 81.5 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022454.D

Acq: 29 May 2025 08:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBL01

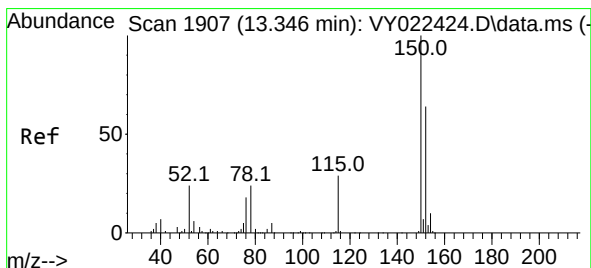
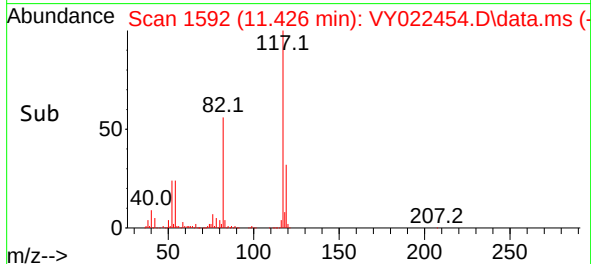
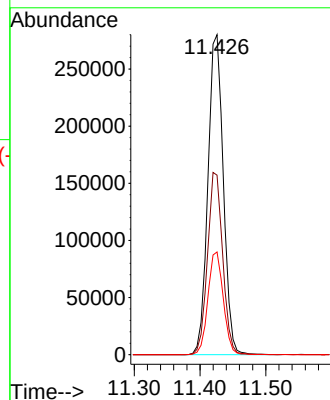
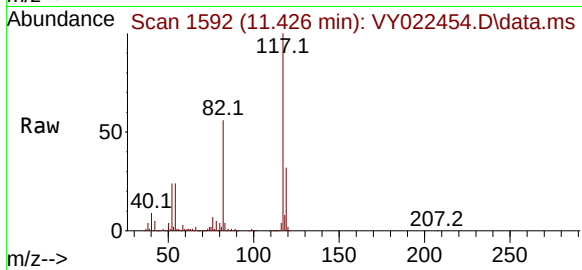
Tgt Ion:117 Resp: 455837

Ion Ratio Lower Upper

117 100

82 56.1 43.3 64.9

119 32.1 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022454.D

Acq: 29 May 2025 08:56

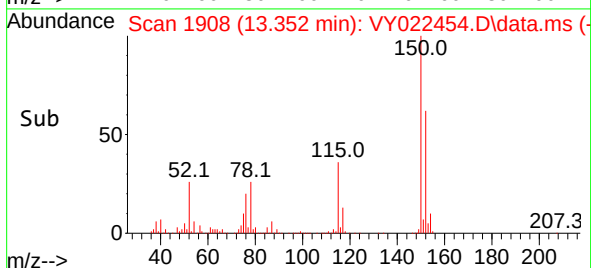
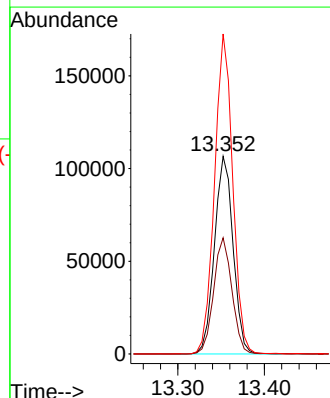
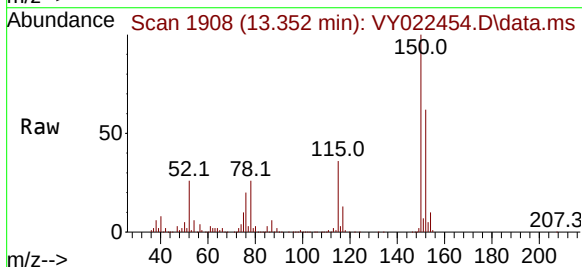
Tgt Ion:152 Resp: 159461

Ion Ratio Lower Upper

152 100

115 57.7 28.4 85.3

150 157.8 0.0 345.8



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBL02	SDG No.:	Q2150
Lab Sample ID:	VY0602SBL02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	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
VY022499.D	1		06/02/25 16:00	VY060225

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBL02	SDG No.:	Q2150
Lab Sample ID:	VY0602SBL02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
	ID :	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022499.D	1		06/02/25 16:00	VY060225

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	53.2		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.7		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		17 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	309000	7.707			
540-36-3	1,4-Difluorobenzene	557000	8.616			
3114-55-4	Chlorobenzene-d5	443000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.347			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBL02	SDG No.:	Q2150
Lab Sample ID:	VY0602SBL02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
	ID :	Test:	VOC-TCLVOA-10
	0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022499.D	1		06/02/25 16:00	VY060225

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\VY060225\
 Data File : VY022499.D
 Acq On : 02 Jun 2025 16:00
 Operator : SY/MD
 Sample : VY0602SBL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0602SBL02

Quant Time: Jun 03 04:06:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	309051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	557091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	442919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162489	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183940	53.215	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.420%
35) Dibromofluoromethane	7.634	113	169603	51.006	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.020%
50) Toluene-d8	10.109	98	667368	49.671	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.340%
62) 4-Bromofluorobenzene	12.408	95	171494	42.839	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.680%

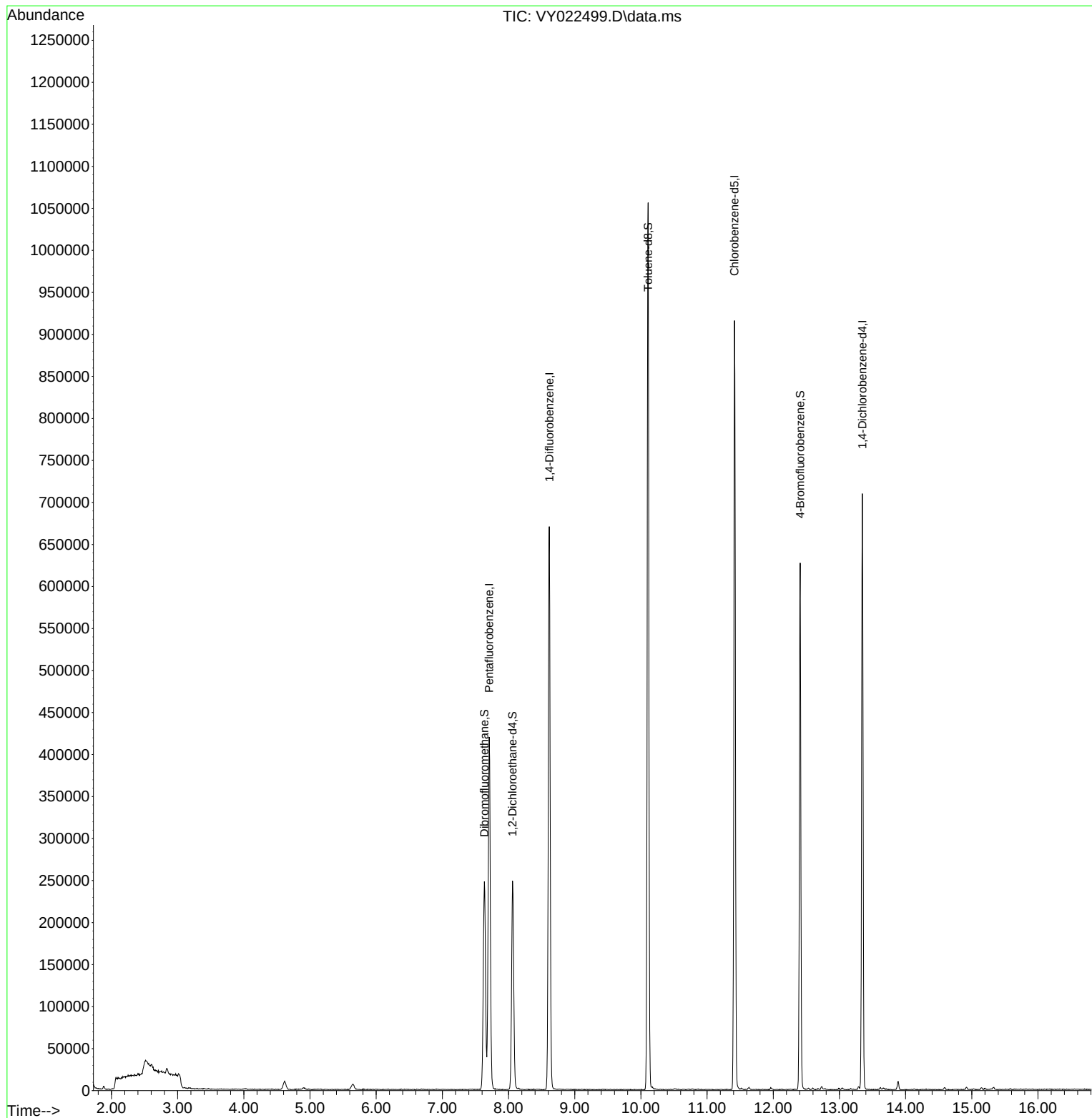
Target Compounds	Qvalue

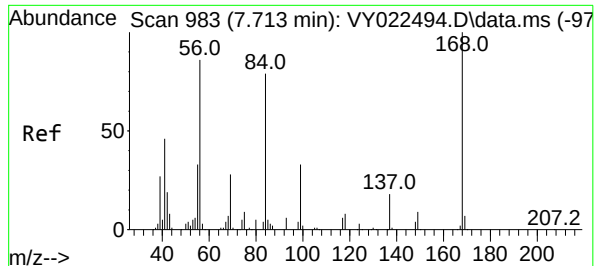
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022499.D
Acq On : 02 Jun 2025 16:00
Operator : SY/MD
Sample : VY0602SBL02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Quant Time: Jun 03 04:06:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

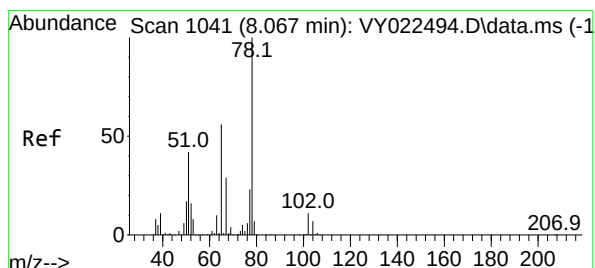
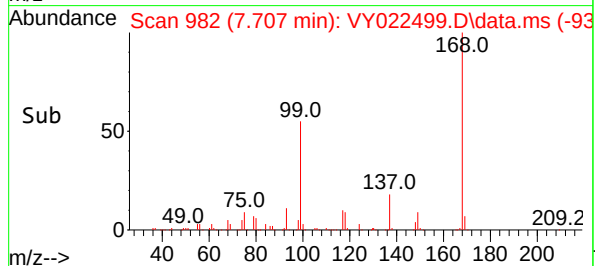
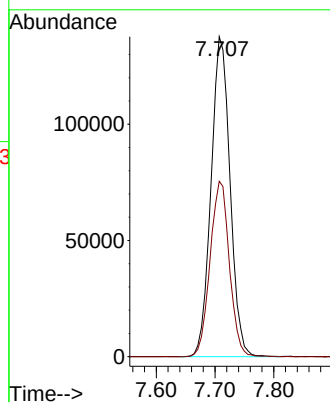
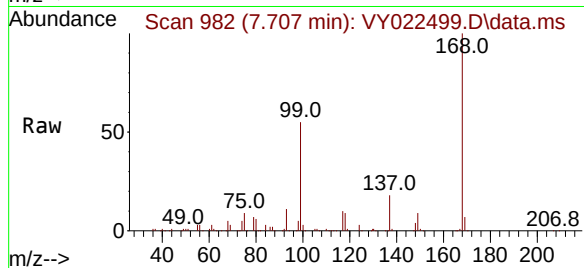




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

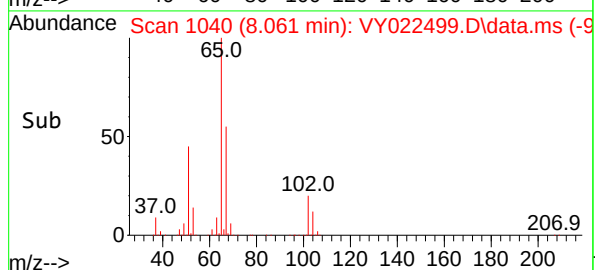
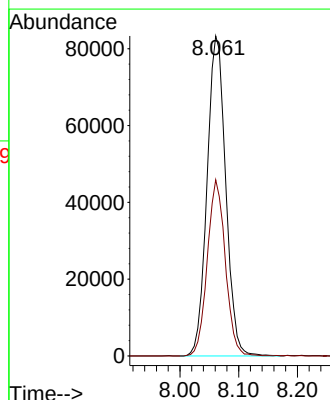
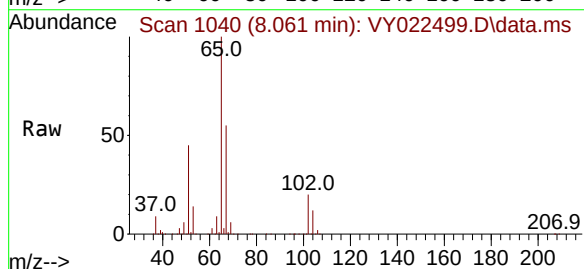
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

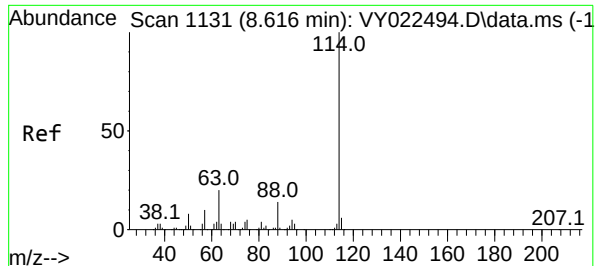
Tgt Ion:168 Resp: 309051
Ion Ratio Lower Upper
168 100
99 54.8 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 53.215 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Tgt Ion: 65 Resp: 183940
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022499.D

Acq: 02 Jun 2025 16:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBL02

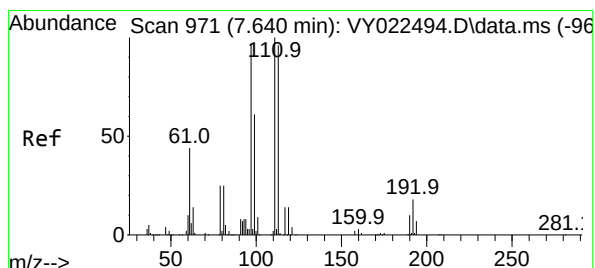
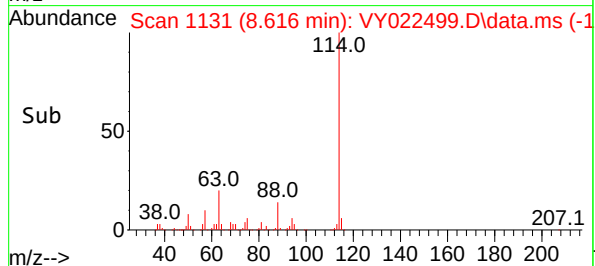
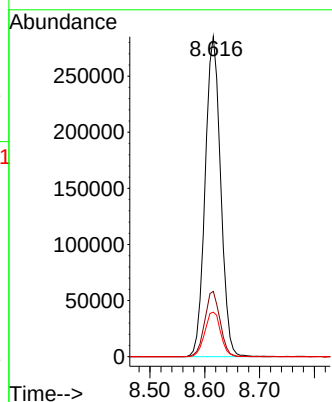
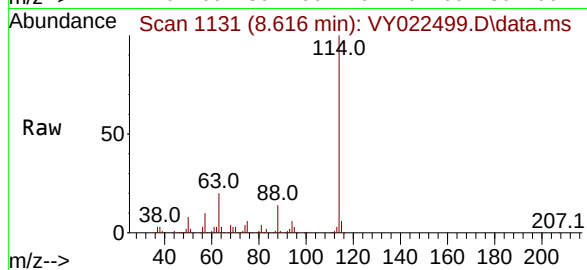
Tgt Ion:114 Resp: 557091

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 13.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.006 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022499.D

Acq: 02 Jun 2025 16:00

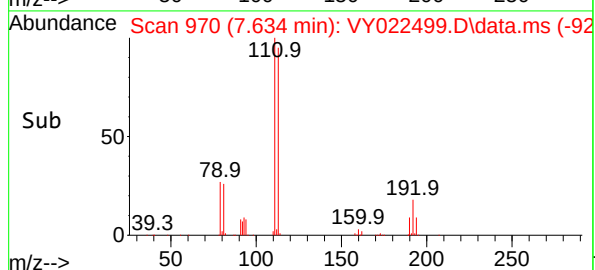
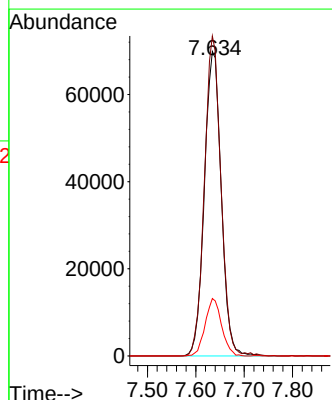
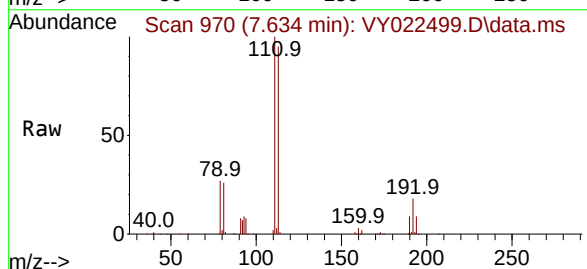
Tgt Ion:113 Resp: 169603

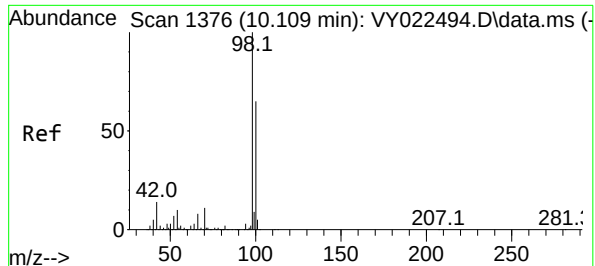
Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

192 18.4 14.2 21.2





#50

Toluene-d8

Concen: 49.671 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022499.D

Acq: 02 Jun 2025 16:00

Instrument :

MSVOA_Y

ClientSampleId :

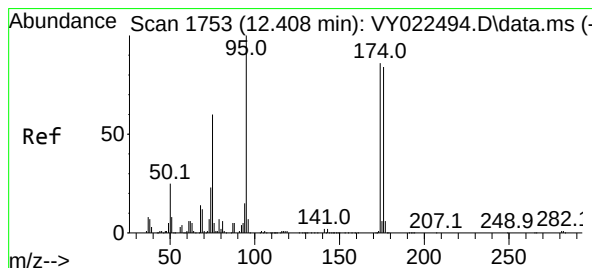
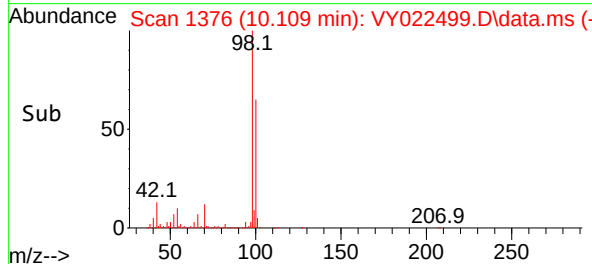
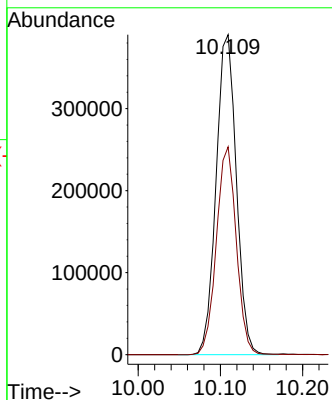
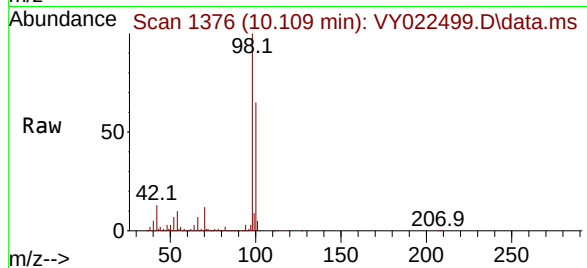
VY0602SBL02

Tgt Ion: 98 Resp: 667368

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 42.839 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022499.D

Acq: 02 Jun 2025 16:00

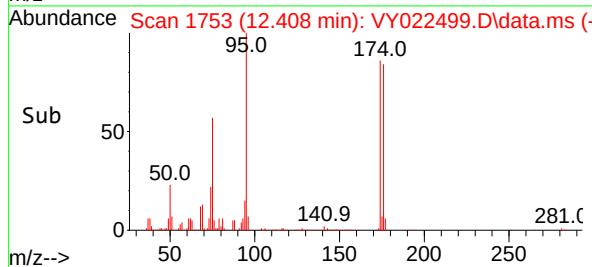
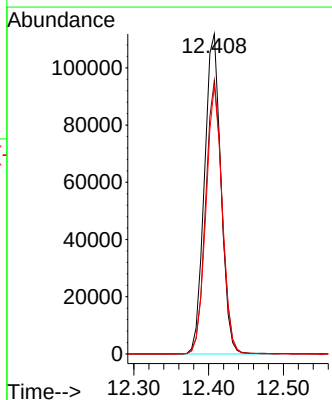
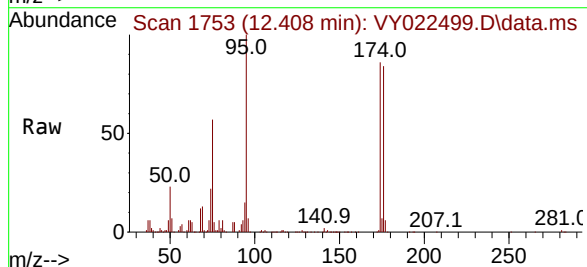
Tgt Ion: 95 Resp: 171494

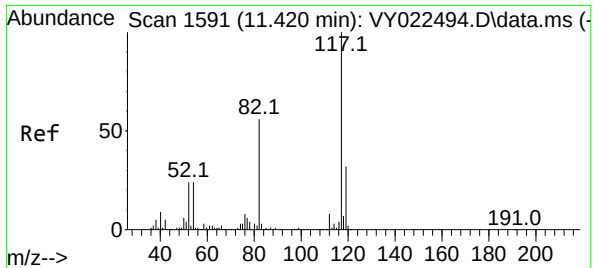
Ion Ratio Lower Upper

95 100

174 84.7 0.0 170.0

176 82.6 0.0 166.2

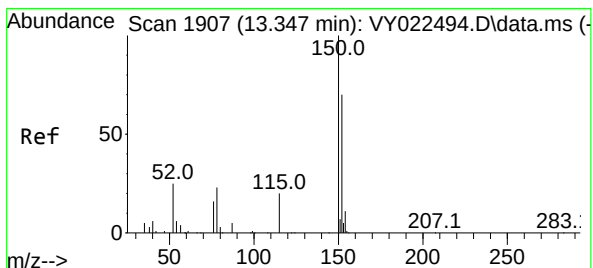
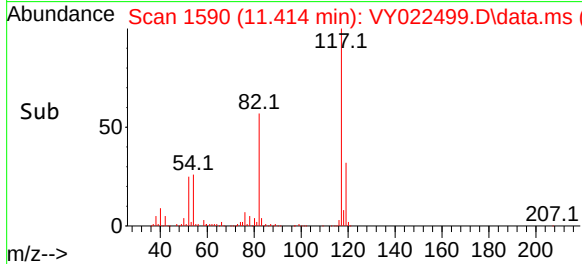
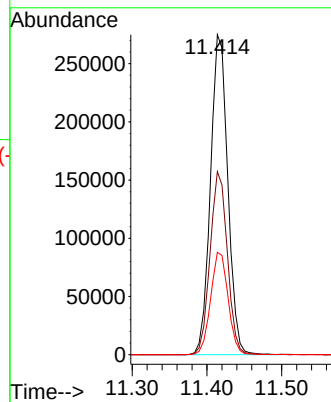
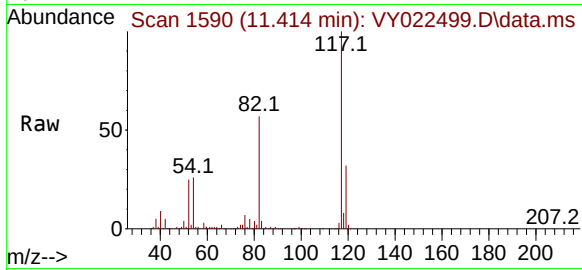




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

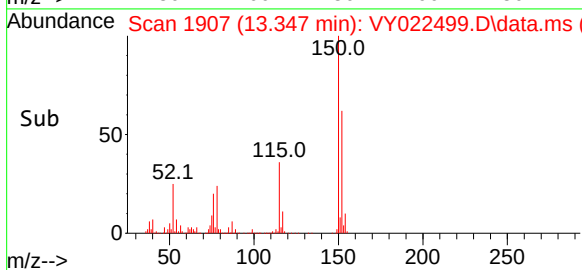
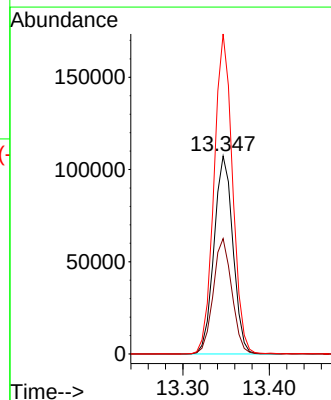
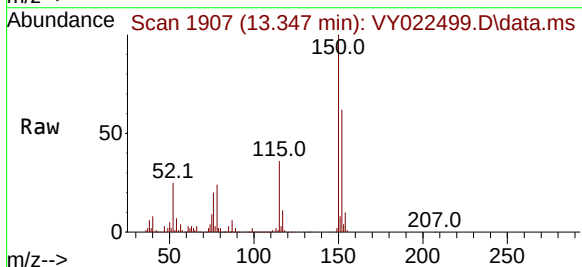
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.6	66.8
119	32.0	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.9	86.7
150	158.3	0.0	349.6



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
	ID :	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022455.D	1		05/29/25 09:27	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.5		1.10	5.00	ug/Kg
74-87-3	Chloromethane	26.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	23.7		0.79	5.00	ug/Kg
74-83-9	Bromomethane	28.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	26.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	24.0		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.3		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.9		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.9		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.4		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022455.D	1		05/29/25 09:27	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.3		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.9		0.82	5.00	ug/Kg
100-42-5	Styrene	20.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.4		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	21.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.4		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	20.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.6		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		17 - 146	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	7.719			
540-36-3	1,4-Difluorobenzene	377000	8.622			
3114-55-4	Chlorobenzene-d5	320000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.352			



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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022455.D	1		05/29/25 09:27	VY052925

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\VY052925\
 Data File : VY022455.D
 Acq On : 29 May 2025 09:27
 Operator : SY/MD
 Sample : VY0529SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0529SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:29:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	217849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	376540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	319754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	148991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	122757	53.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.000%			
35) Dibromofluoromethane	7.646	113	109319	49.575	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.140%			
50) Toluene-d8	10.115	98	446049	49.620	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.414	95	131041	48.192	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	46688	22.463	ug/l	98
3) Chloromethane	2.074	50	134444	26.297	ug/l	98
4) Vinyl Chloride	2.208	62	147122	23.688	ug/l	98
5) Bromomethane	2.598	94	157906	27.978	ug/l	96
6) Chloroethane	2.738	64	107679	26.532	ug/l	99
7) Trichlorofluoromethane	3.055	101	125536	23.956	ug/l	96
8) Diethyl Ether	3.464	74	27444	22.714	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	49269	21.431	ug/l	99
10) Methyl Iodide	4.019	142	50019	19.285	ug/l	99
11) Tert butyl alcohol	4.897	59	19308	119.376	ug/l	97
12) 1,1-Dichloroethene	3.799	96	48631	21.307	ug/l	96
13) Acrolein	3.665	56	24794	102.308	ug/l	99
14) Allyl chloride	4.391	41	75557	22.007	ug/l	99
15) Acrylonitrile	5.073	53	56731	116.484	ug/l	99
16) Acetone	3.885	43	42974	113.971	ug/l	94
17) Carbon Disulfide	4.116	76	152446	20.930	ug/l	99
18) Methyl Acetate	4.397	43	32296	22.865	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	135345	22.336	ug/l	97
20) Methylene Chloride	4.628	84	55665	20.906	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	52156	20.931	ug/l	95
22) Diisopropyl ether	6.031	45	165331	21.818	ug/l	98
23) Vinyl Acetate	5.976	43	484839	111.434	ug/l	98
24) 1,1-Dichloroethane	5.921	63	96506	21.553	ug/l	98
25) 2-Butanone	6.908	43	71529	113.906	ug/l	100
26) 2,2-Dichloropropane	6.890	77	83691	20.642	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	61114	21.186	ug/l	98
28) Bromochloromethane	7.256	49	41852	22.384	ug/l	99
29) Tetrahydrofuran	7.280	42	49922	119.201	ug/l	98
30) Chloroform	7.433	83	96292	21.825	ug/l	96
31) Cyclohexane	7.713	56	91969	20.837	ug/l #	91
32) 1,1,1-Trichloroethane	7.628	97	85584	21.373	ug/l	99
36) 1,1-Dichloropropene	7.847	75	71878	20.541	ug/l	99
37) Ethyl Acetate	7.000	43	34104	22.933	ug/l	99
38) Carbon Tetrachloride	7.823	117	73360	20.125	ug/l	97
39) Methylcyclohexane	9.115	83	94592	20.336	ug/l	94
40) Benzene	8.091	78	216938	20.835	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022455.D
 Acq On : 29 May 2025 09:27
 Operator : SY/MD
 Sample : VY0529SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0529SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:29:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	19377	21.468	ug/l	88
42) 1,2-Dichloroethane	8.164	62	59459	21.622	ug/l	98
43) Isopropyl Acetate	8.207	43	72871	22.425	ug/l #	87
44) Trichloroethene	8.871	130	52748	20.493	ug/l	89
45) 1,2-Dichloropropane	9.146	63	51691	21.130	ug/l	94
46) Dibromomethane	9.243	93	28793	21.069	ug/l	99
47) Bromodichloromethane	9.432	83	73499	20.914	ug/l	95
48) Methyl methacrylate	9.231	41	34348	22.770	ug/l	99
49) 1,4-Dioxane	9.237	88	6938	459.638	ug/l	94
51) 4-Methyl-2-Pentanone	10.005	43	180359	112.489	ug/l	99
52) Toluene	10.176	92	130911	20.130	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	69246	21.154	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	79429	20.650	ug/l	96
55) 1,1,2-Trichloroethane	10.578	97	36436	21.088	ug/l	98
56) Ethyl methacrylate	10.444	69	52736	21.269	ug/l	98
57) 1,3-Dichloropropane	10.725	76	66794	21.937	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	124474	100.727	ug/l	98
59) 2-Hexanone	10.767	43	119129	113.375	ug/l	99
60) Dibromochloromethane	10.920	129	46556	21.093	ug/l	98
61) 1,2-Dibromoethane	11.024	107	33658	21.298	ug/l	98
64) Tetrachloroethene	10.652	164	56988	20.927	ug/l	96
65) Chlorobenzene	11.450	112	137324	20.141	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.523	131	45717	19.790	ug/l	98
67) Ethyl Benzene	11.523	91	248860	19.657	ug/l	97
68) m/p-Xylenes	11.633	106	186984	38.956	ug/l	97
69) o-Xylene	11.962	106	89547	19.850	ug/l	99
70) Styrene	11.975	104	150631	20.053	ug/l	100
71) Bromoform	12.139	173	25838	21.354	ug/l #	97
73) Isopropylbenzene	12.261	105	231788	19.767	ug/l	99
74) N-amyl acetate	12.078	43	62329	21.723	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	38907	21.059	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	30908m	20.710	ug/l	
77) Bromobenzene	12.535	156	50007	19.817	ug/l	97
78) n-propylbenzene	12.603	91	280089	19.904	ug/l	100
79) 2-Chlorotoluene	12.682	91	149938	19.683	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	183061	19.980	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	13668	20.711	ug/l	96
82) 4-Chlorotoluene	12.785	91	154200	19.655	ug/l	99
83) tert-Butylbenzene	13.005	119	166325	20.093	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	179206	19.437	ug/l	100
85) sec-Butylbenzene	13.182	105	247028	20.122	ug/l	99
86) p-Isopropyltoluene	13.297	119	201014	19.608	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	98707	19.441	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	95858	19.745	ug/l	96
89) n-Butylbenzene	13.621	91	193195	20.100	ug/l	100
90) Hexachloroethane	13.883	117	41291	20.240	ug/l	94
91) 1,2-Dichlorobenzene	13.663	146	86130	20.310	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6529	22.870	ug/l	88
93) 1,2,4-Trichlorobenzene	14.925	180	46466	19.764	ug/l	96
94) Hexachlorobutadiene	15.029	225	25447	20.624	ug/l	96
95) Naphthalene	15.151	128	90867	20.906	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	39732	20.606	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022455.D
Acq On : 29 May 2025 09:27
Operator : SY/MD
Sample : VY0529SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:29:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

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

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

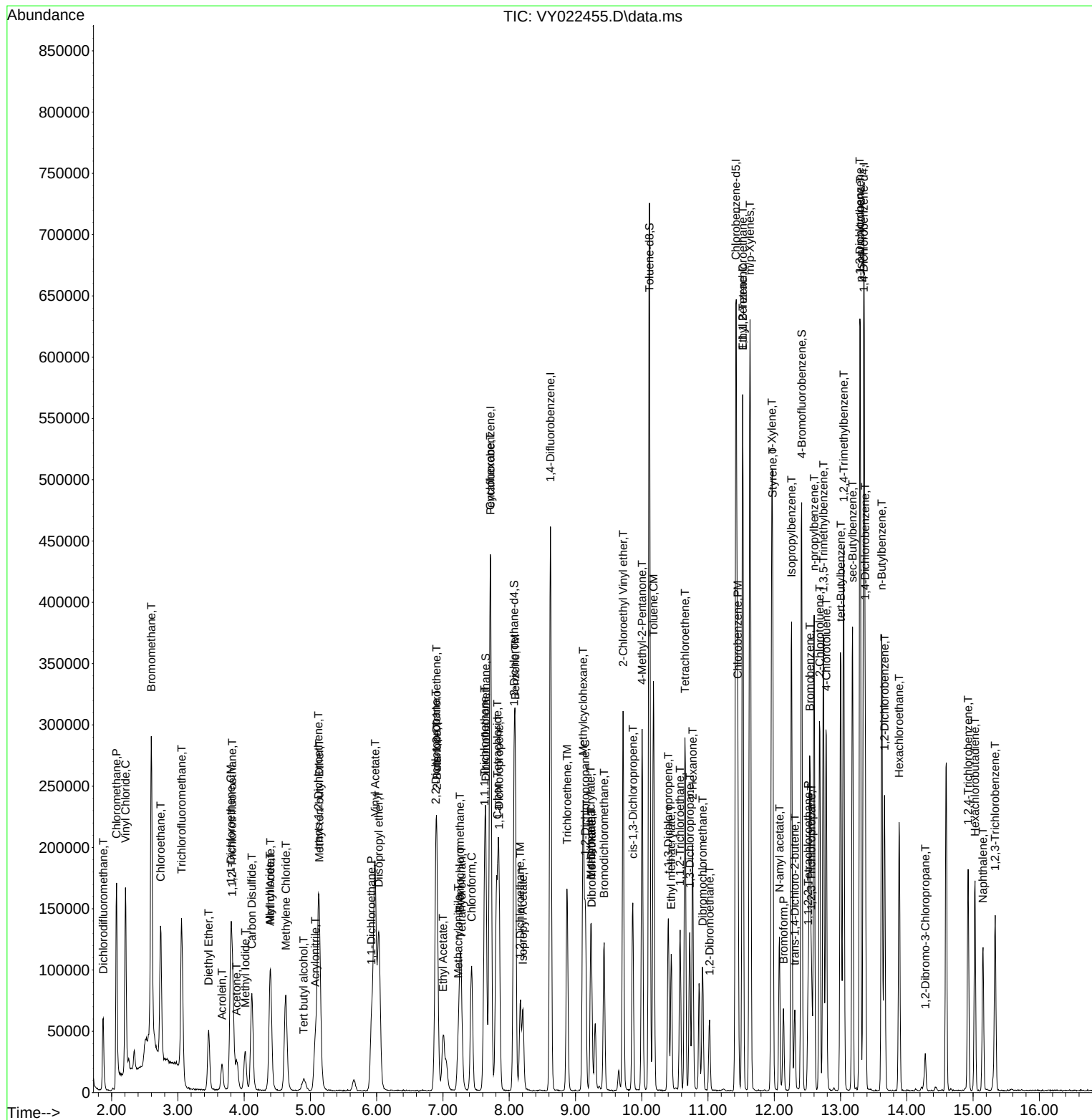
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 Data File : VY022455.D
 Acq On : 29 May 2025 09:27
 Operator : SY/MD
 Sample : VY0529SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

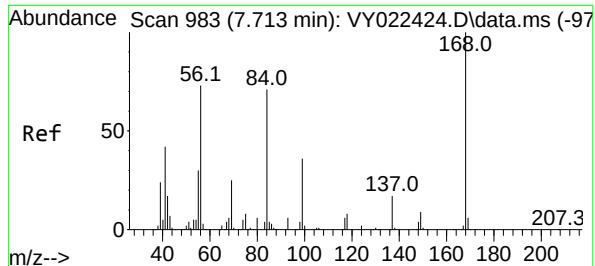
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0529SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

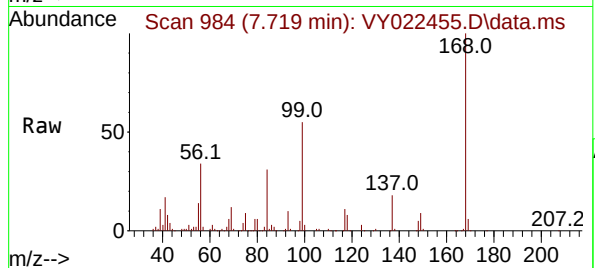
Quant Time: May 30 05:29:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

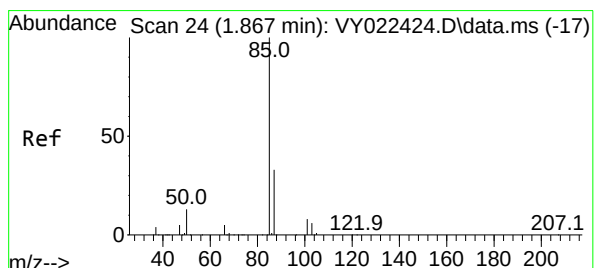
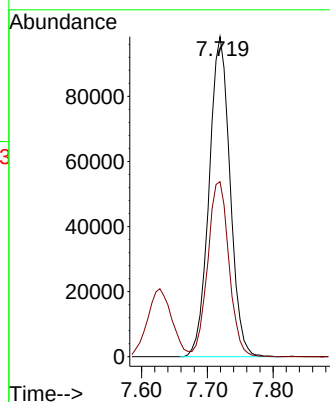
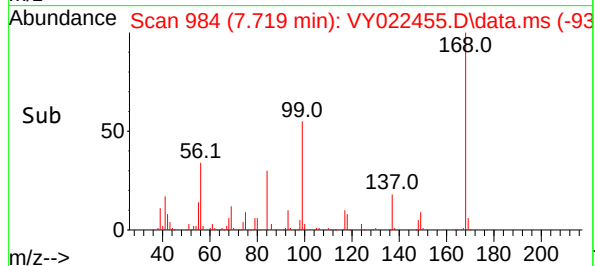
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion:168 Resp: 217849
Ion Ratio Lower Upper
168 100
99 54.7 44.7 67.1

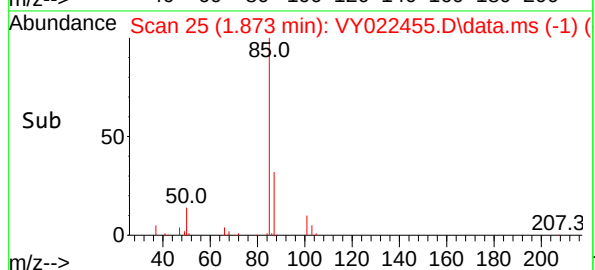
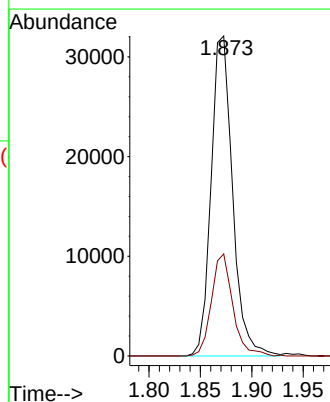
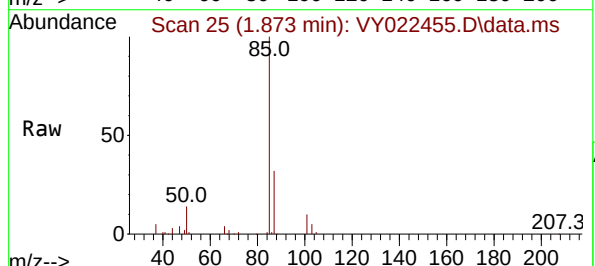
Manual Integrations
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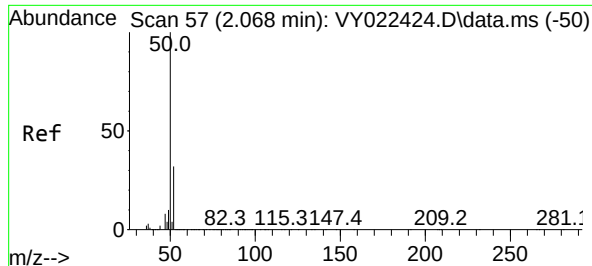
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#2
Dichlorodifluoromethane
Concen: 22.463 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

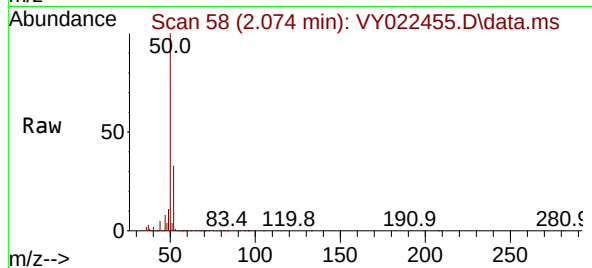
Tgt Ion: 85 Resp: 46688
Ion Ratio Lower Upper
85 100
87 31.9 16.4 49.2





#3
Chloromethane
Concen: 26.297 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

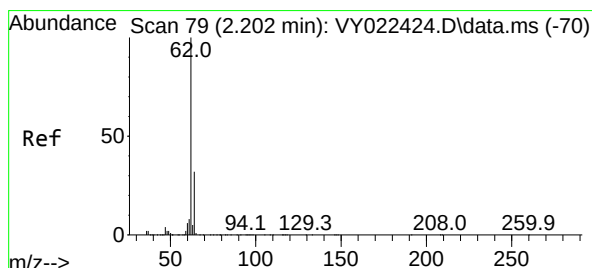
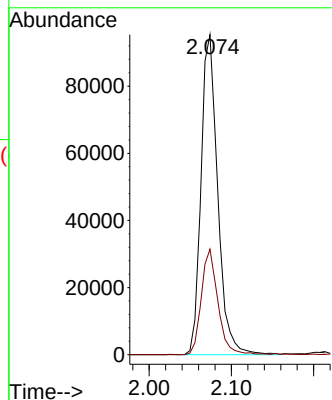
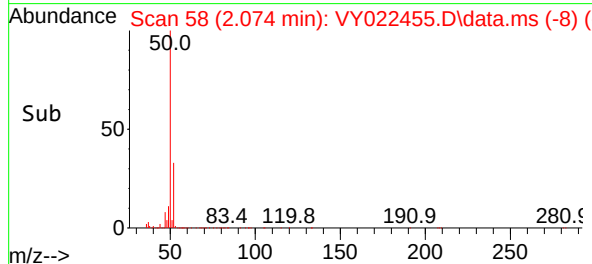
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion: 50 Resp: 134444
Ion Ratio Lower Upper
50 100
52 32.9 25.5 38.3

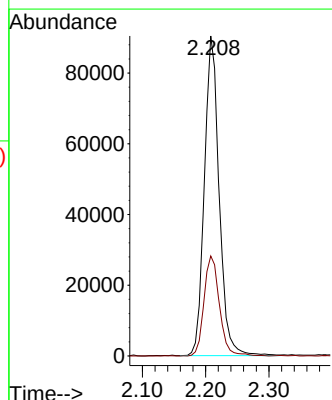
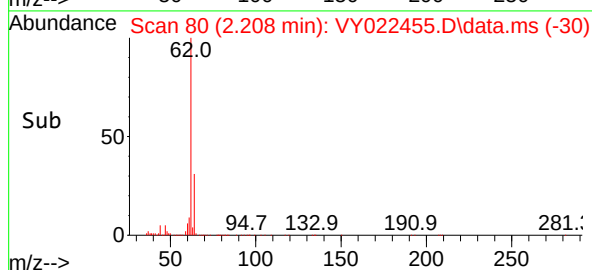
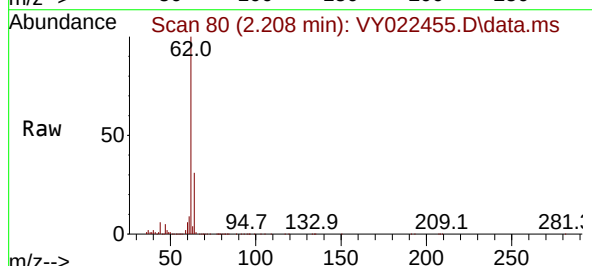
Manual Integrations
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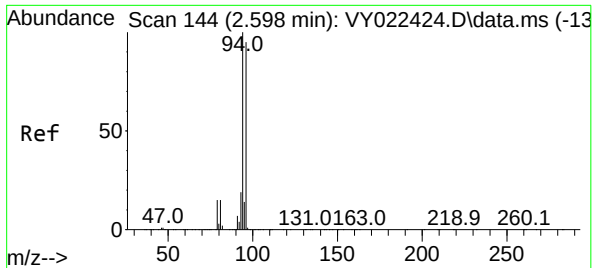
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#4
Vinyl Chloride
Concen: 23.688 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

Tgt Ion: 62 Resp: 147122
Ion Ratio Lower Upper
62 100
64 31.3 26.0 39.0





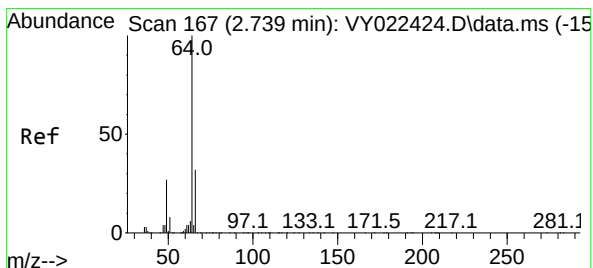
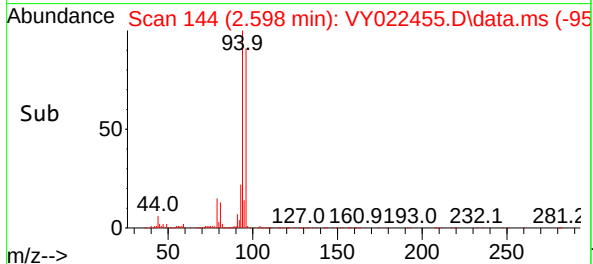
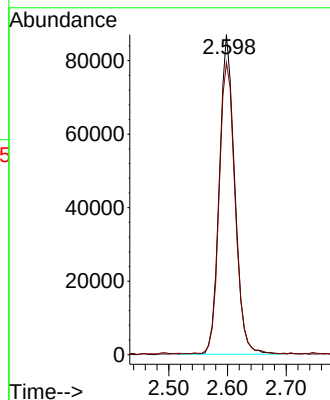
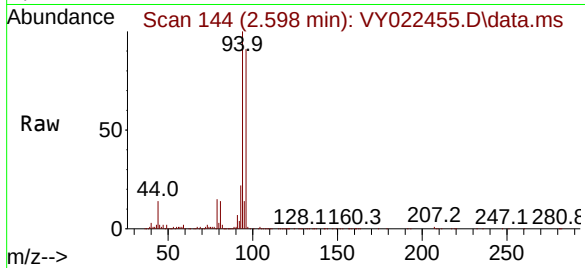
#5
Bromomethane
Concen: 27.978 ug/l
RT: 2.598 min Scan# 144
Delta R.T. -0.000 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Tgt Ion: 94 Resp: 157900
Ion Ratio Lower Upper
94 100
96 91.1 76.0 114.0

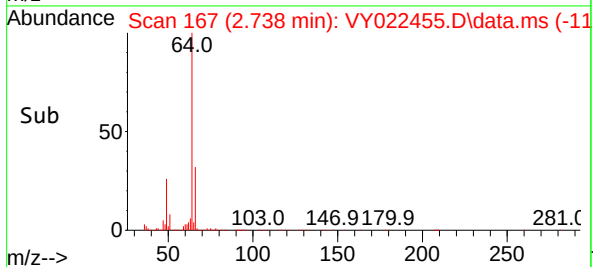
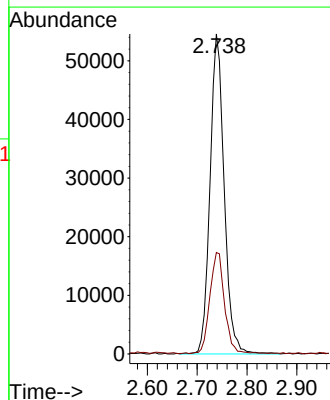
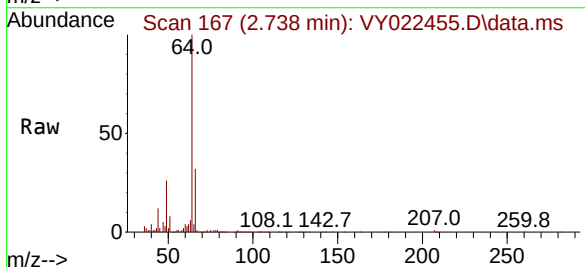
Manual Integrations
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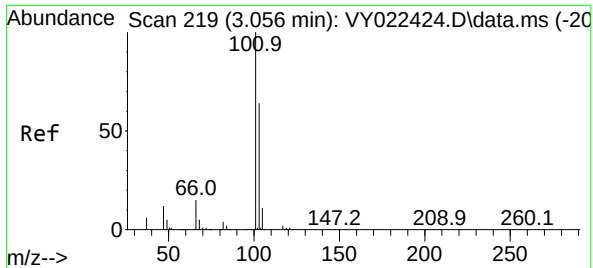
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#6
Chloroethane
Concen: 26.532 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

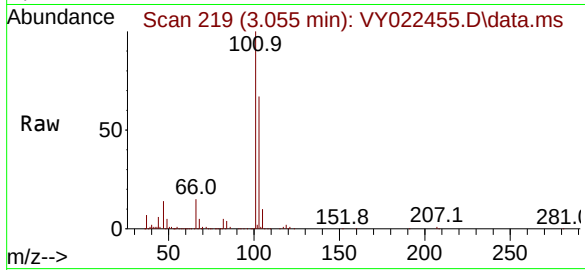
Tgt Ion: 64 Resp: 107679
Ion Ratio Lower Upper
64 100
66 31.6 25.9 38.9





#7
Trichlorofluoromethane
Concen: 23.956 ug/l
RT: 3.055 min Scan# 219
Delta R.T. -0.000 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

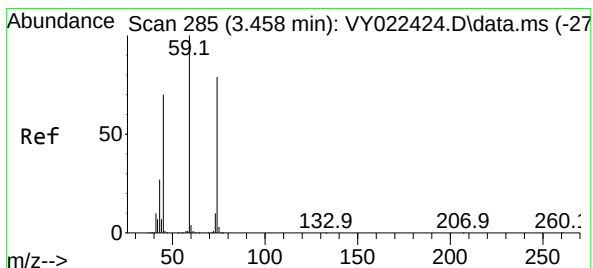
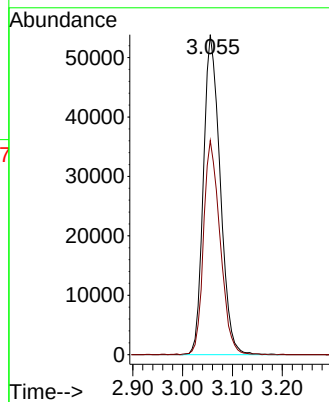
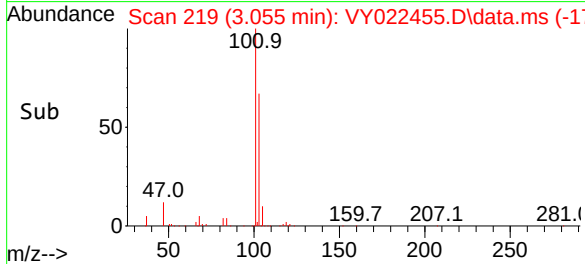
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion:101 Resp: 125536
Ion Ratio Lower Upper
101 100
103 66.9 50.9 76.3

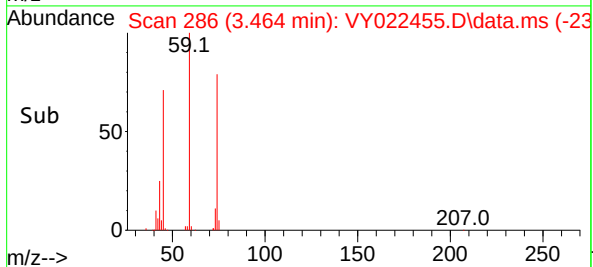
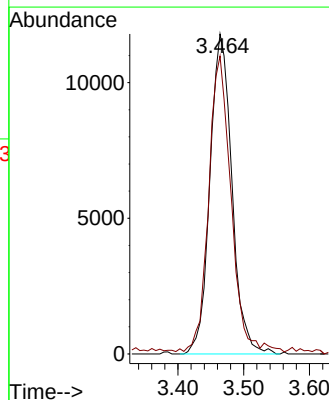
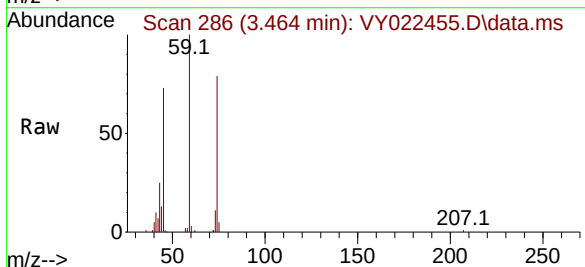
Manual Integrations
APPROVED

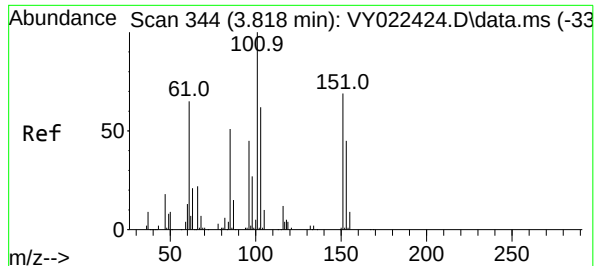
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#8
Diethyl Ether
Concen: 22.714 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

Tgt Ion: 74 Resp: 27444
Ion Ratio Lower Upper
74 100
45 93.5 44.9 134.5





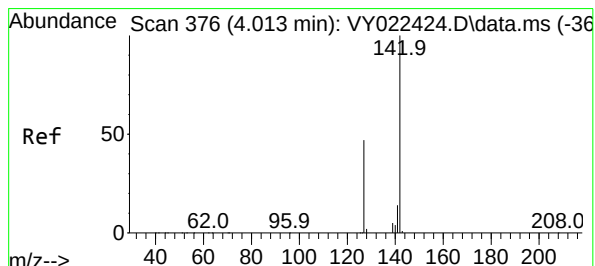
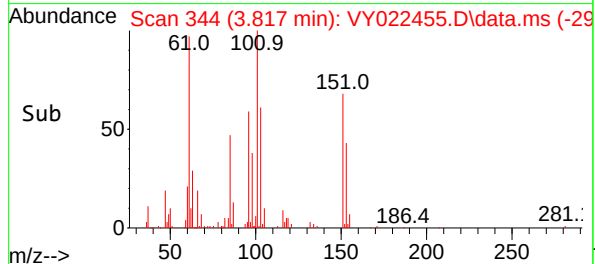
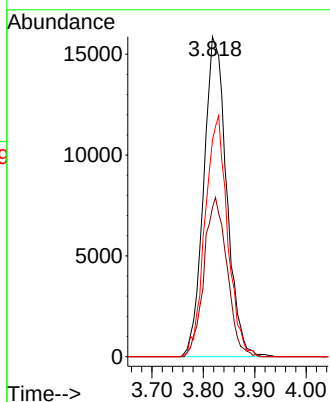
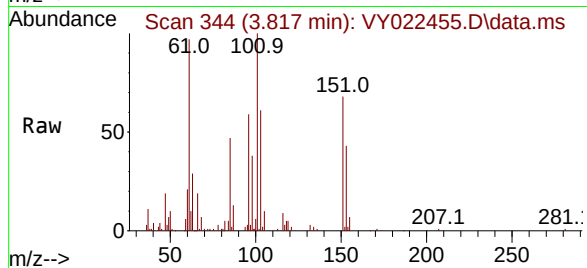
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.431 ug/l
RT: 3.817 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Tgt Ion:101 Resp: 49269
Ion Ratio Lower Upper
101 100
85 49.9 39.2 58.8
151 73.9 58.8 88.2

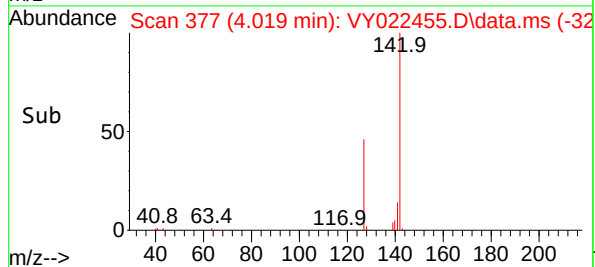
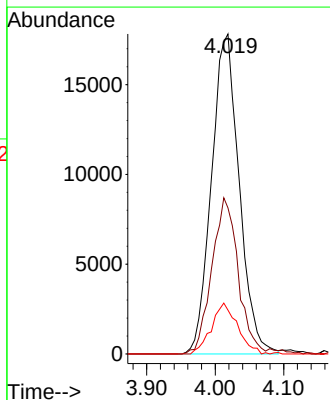
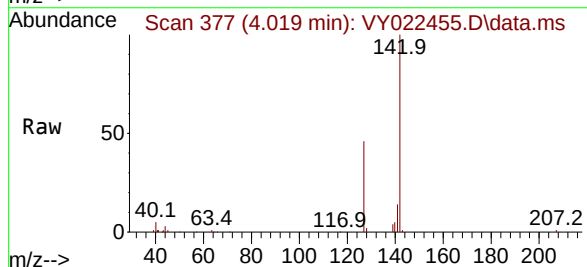
Manual Integrations
APPROVED

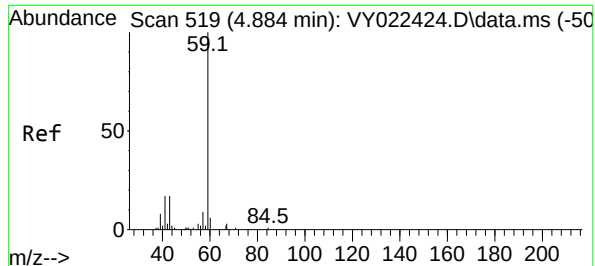
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#10
Methyl Iodide
Concen: 19.285 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

Tgt Ion:142 Resp: 50019
Ion Ratio Lower Upper
142 100
127 46.2 36.2 54.4
141 15.0 11.6 17.4





#11

Tert butyl alcohol

Concen: 119.376 ug/l

RT: 4.897 min Scan# 519

Delta R.T. 0.012 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 59 Resp: 19308

Ion Ratio Lower Upper

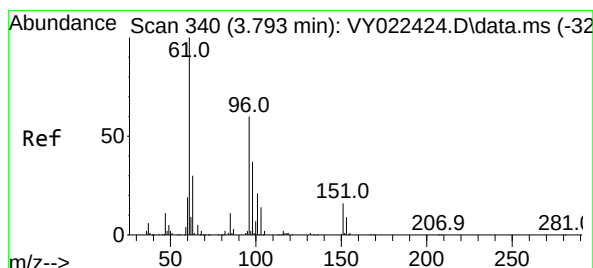
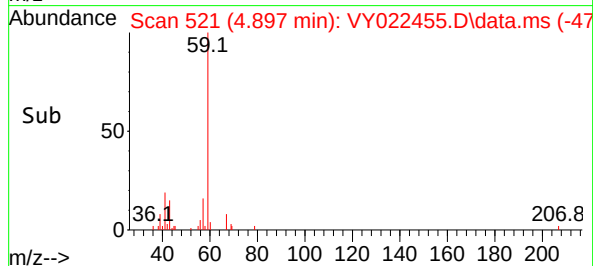
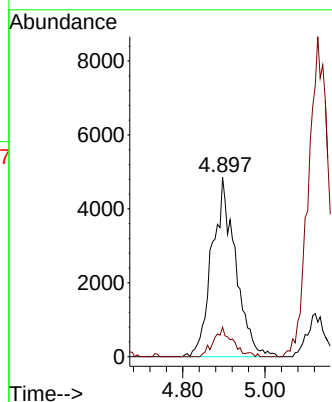
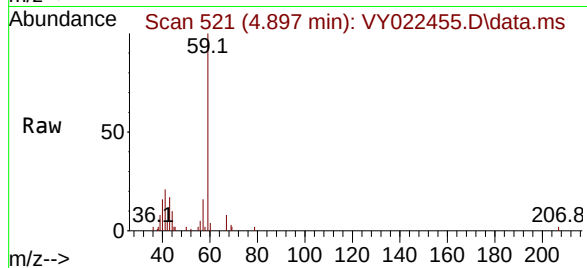
59 100

57 12.5 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#12

1,1-Dichloroethene

Concen: 21.307 ug/l

RT: 3.799 min Scan# 341

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

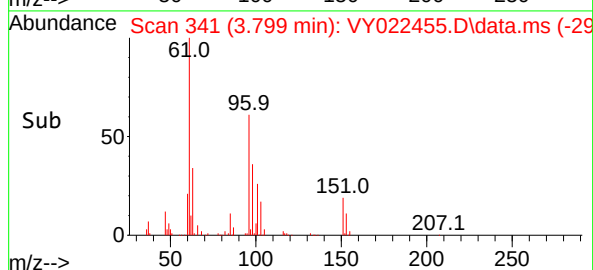
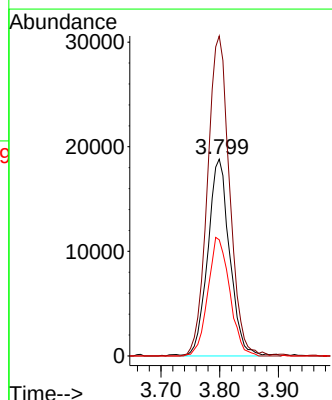
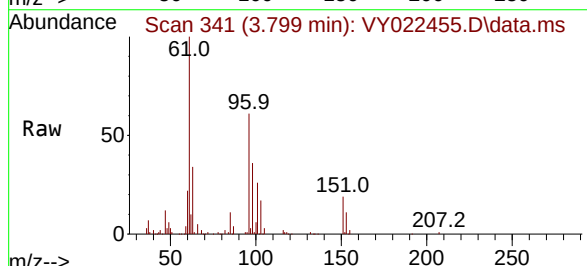
Tgt Ion: 96 Resp: 48631

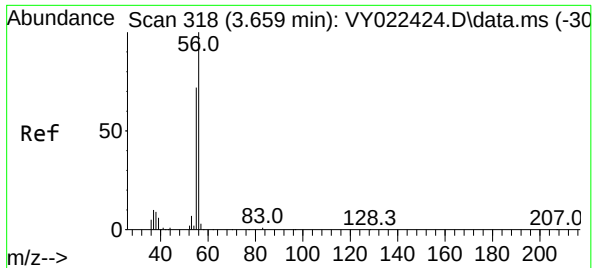
Ion Ratio Lower Upper

96 100

61 162.7 134.1 201.1

98 59.1 50.2 75.2





#13

Acrolein

Concen: 102.308 ug/l

RT: 3.665 min Scan# 318

Delta R.T. 0.006 min

Lab File: VY022455.D

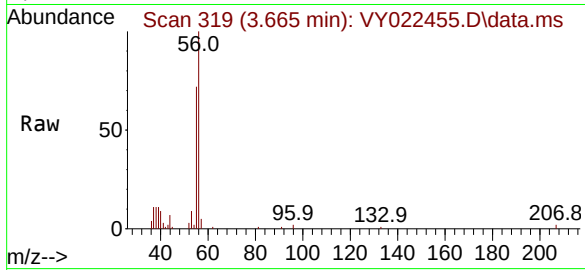
Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01



Tgt Ion: 56 Resp: 24794

Ion Ratio Lower Upper

56 100

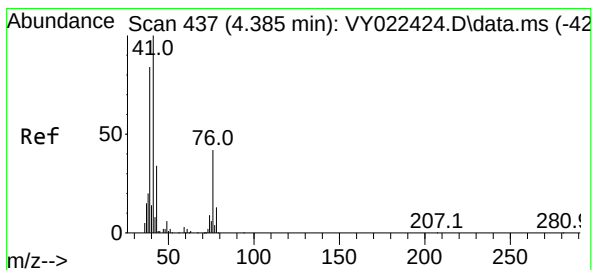
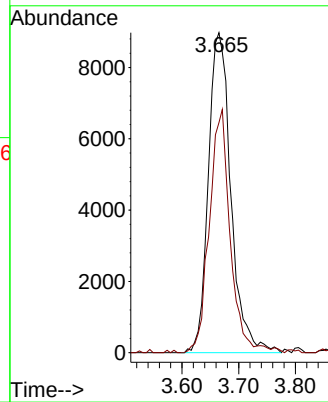
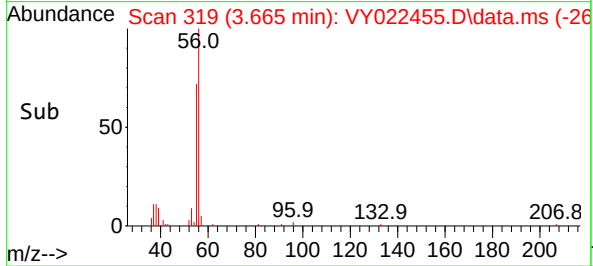
55 70.0 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#14

Allyl chloride

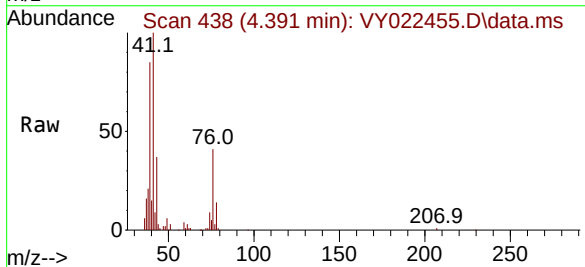
Concen: 22.007 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27



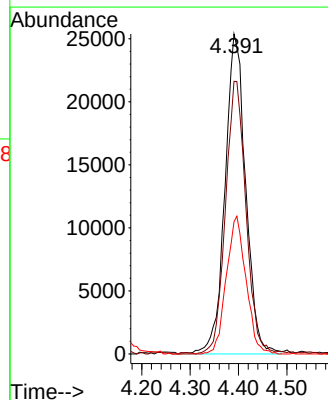
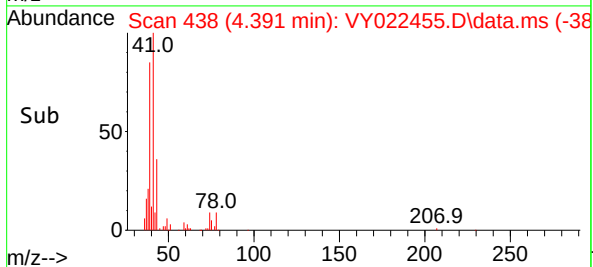
Tgt Ion: 41 Resp: 75557

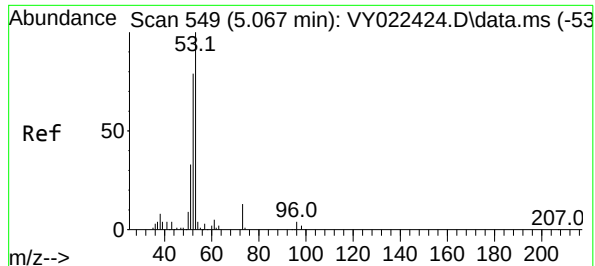
Ion Ratio Lower Upper

41 100

39 84.4 66.6 100.0

76 41.0 33.7 50.5





#15

Acrylonitrile

Concen: 116.484 ug/l

RT: 5.073 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 53 Resp: 5673

Ion Ratio Lower Upper

53 100

52 81.3 65.1 97.7

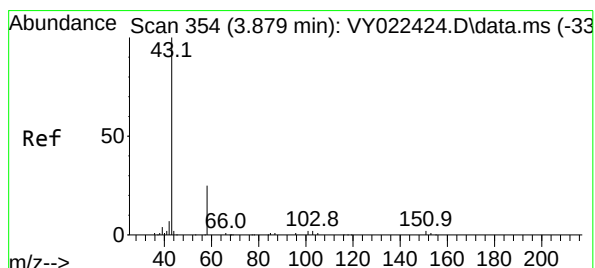
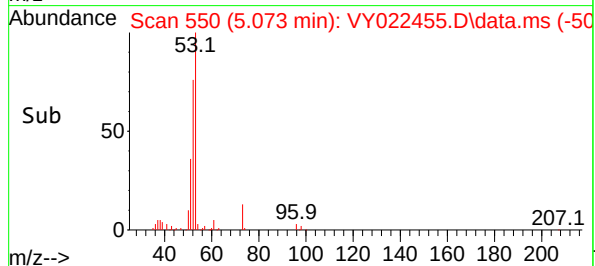
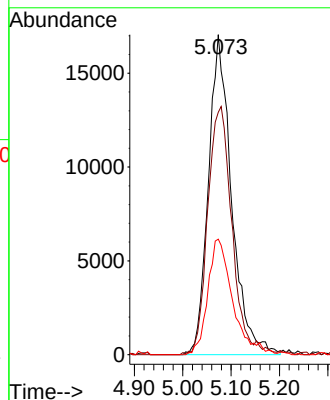
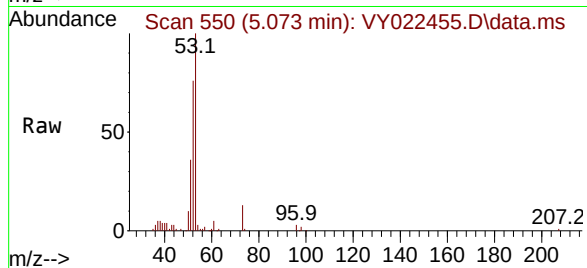
51 38.6 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#16

Acetone

Concen: 113.971 ug/l

RT: 3.885 min Scan# 355

Delta R.T. 0.006 min

Lab File: VY022455.D

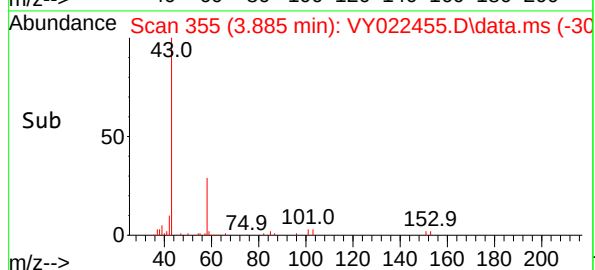
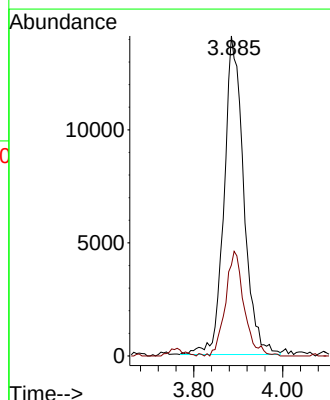
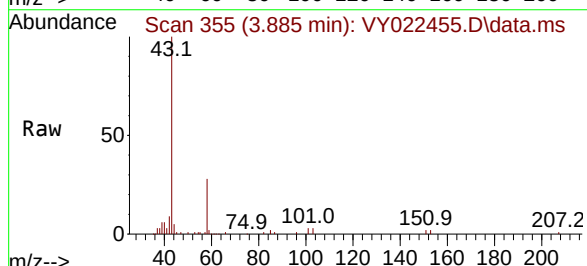
Acq: 29 May 2025 09:27

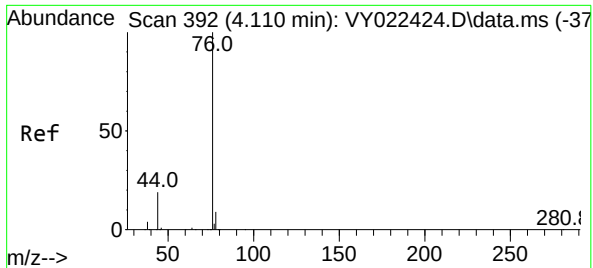
Tgt Ion: 43 Resp: 42974

Ion Ratio Lower Upper

43 100

58 28.5 20.6 30.8





#17

Carbon Disulfide

Concen: 20.930 ug/l

RT: 4.116 min Scan# 392

Delta R.T. 0.006 min

Lab File: VY022455.D

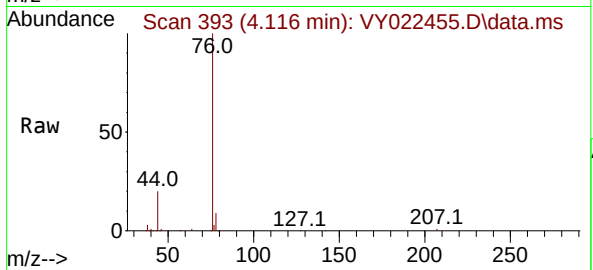
Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01



Tgt Ion: 76 Resp: 15244

Ion Ratio Lower Upper

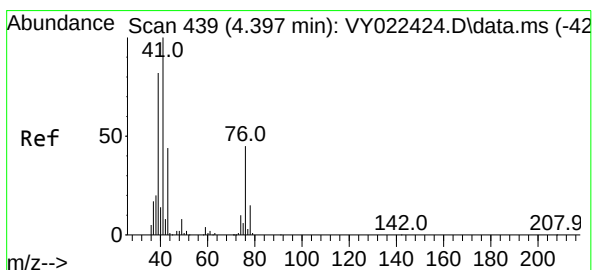
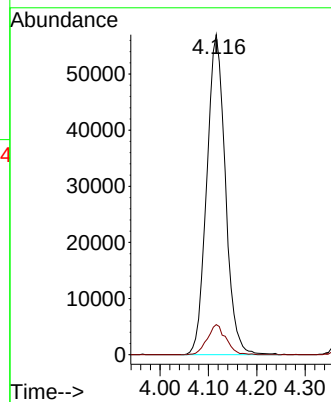
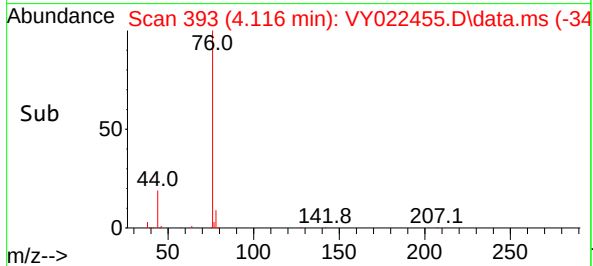
76 100

78 9.4 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#18

Methyl Acetate

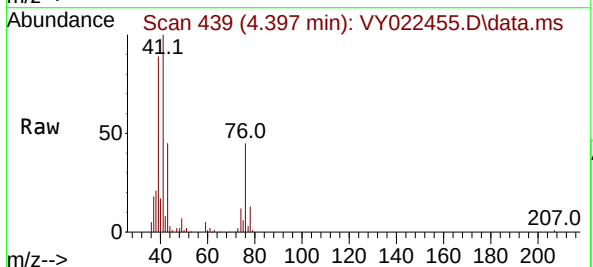
Concen: 22.865 ug/l

RT: 4.397 min Scan# 439

Delta R.T. -0.000 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

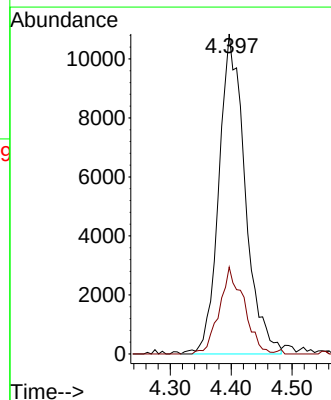
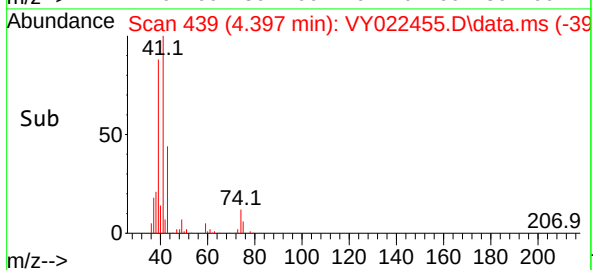


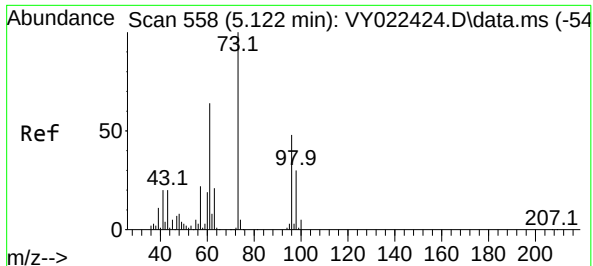
Tgt Ion: 43 Resp: 32296

Ion Ratio Lower Upper

43 100

74 25.7 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 22.336 ug/l

RT: 5.134 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 73 Resp: 13534

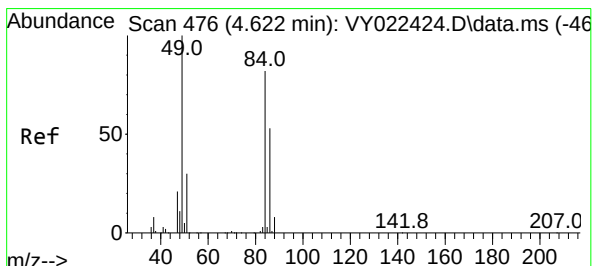
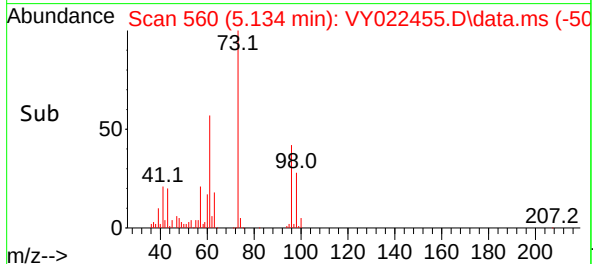
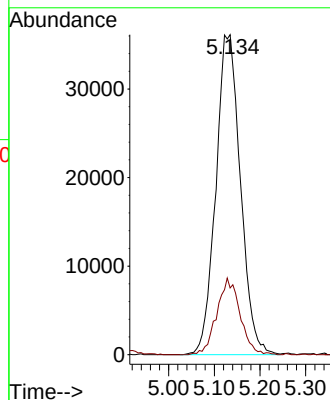
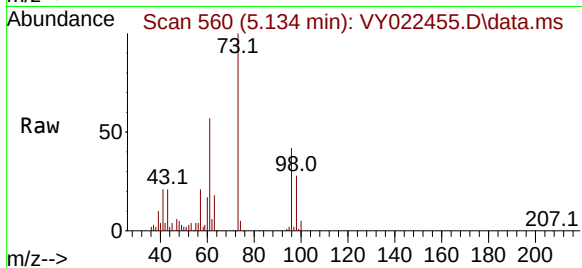
Ion Ratio Lower Upper

73 100

57 20.9 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

#20

Methylene Chloride

Concen: 20.906 ug/l

RT: 4.628 min Scan# 477

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion: 84 Resp: 55665

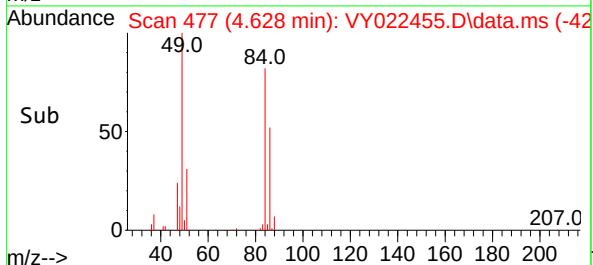
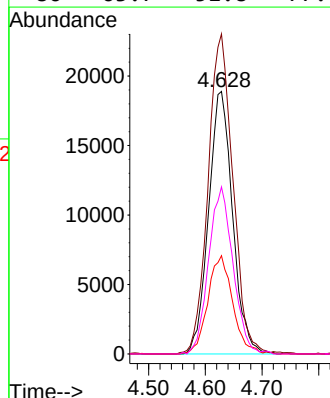
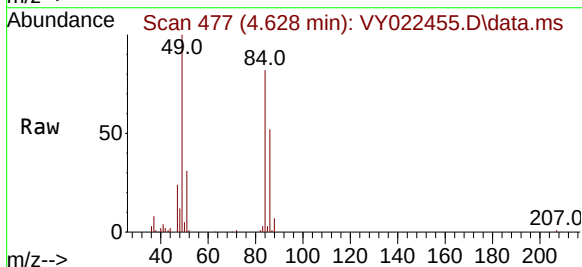
Ion Ratio Lower Upper

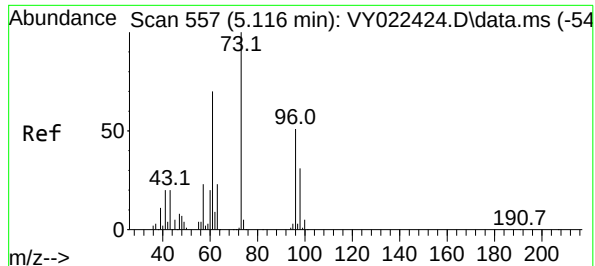
84 100

49 121.3 97.8 146.8

51 37.4 29.5 44.3

86 63.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.931 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 96 Resp: 52150

Ion Ratio Lower Upper

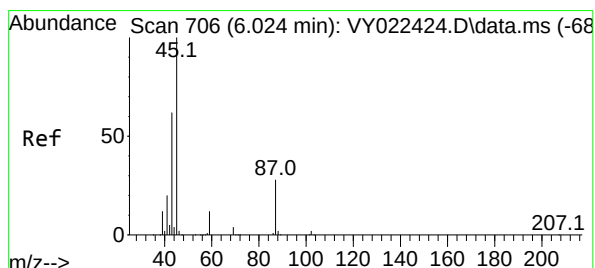
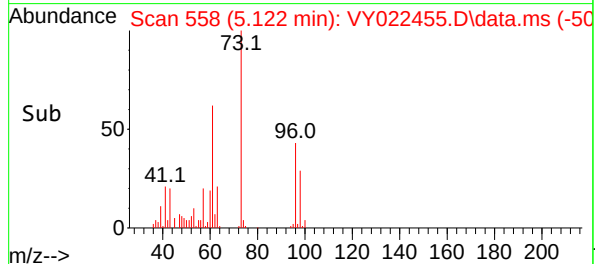
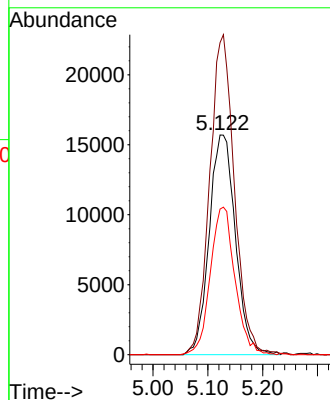
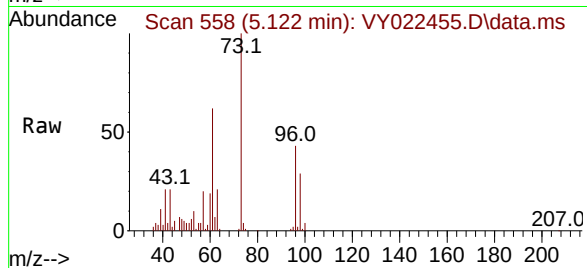
96 100

61 142.0 110.4 165.6

98 66.3 48.6 73.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

#22

Diisopropyl ether

Concen: 21.818 ug/l

RT: 6.031 min Scan# 707

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion: 45 Resp: 165331

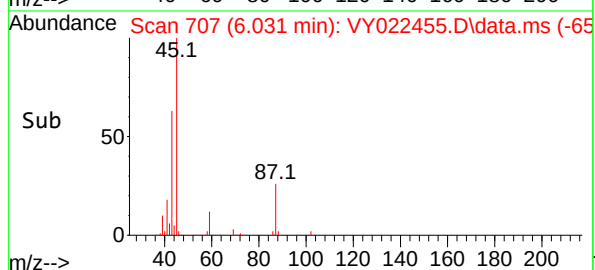
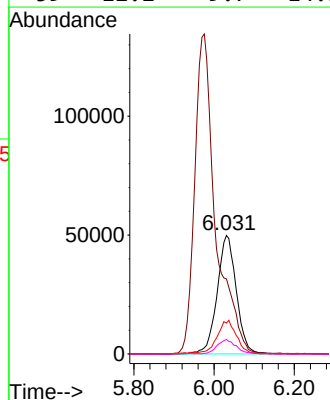
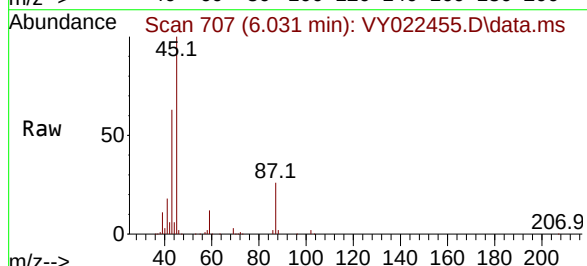
Ion Ratio Lower Upper

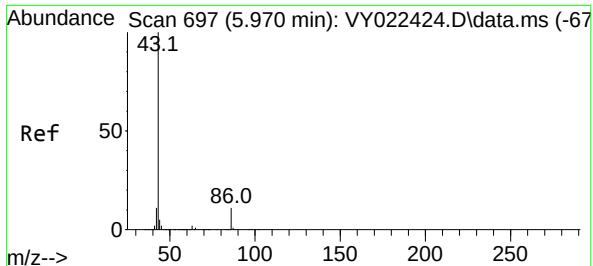
45 100

43 62.5 49.8 74.8

87 26.1 23.0 34.6

59 12.2 9.7 14.5





#23

Vinyl Acetate

Concen: 111.434 ug/l

RT: 5.976 min Scan# 697

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 43 Resp: 484839

Ion Ratio Lower Upper

43

100

86

11.6

8.8

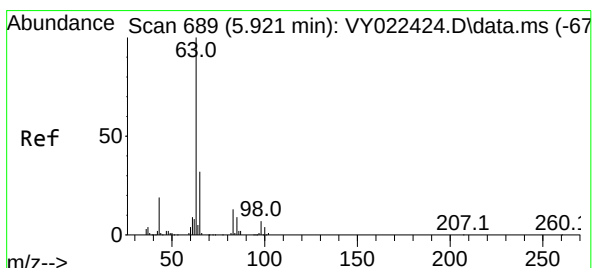
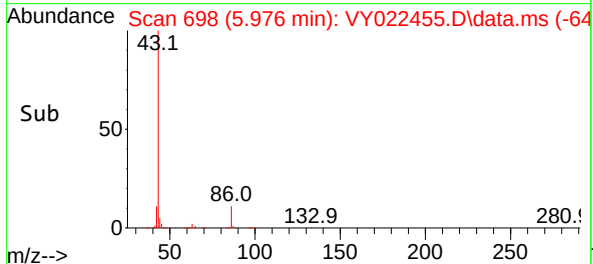
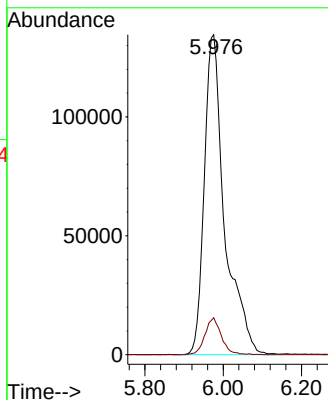
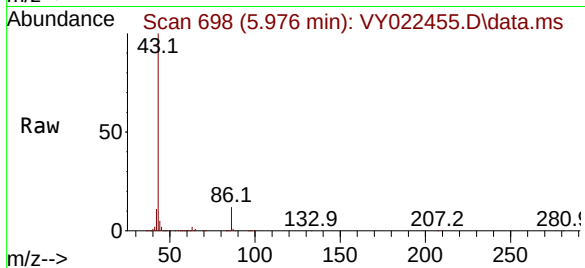
13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#24

1,1-Dichloroethane

Concen: 21.553 ug/l

RT: 5.921 min Scan# 689

Delta R.T. -0.000 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion: 63 Resp: 96506

Ion Ratio Lower Upper

63

100

98

6.2

3.5

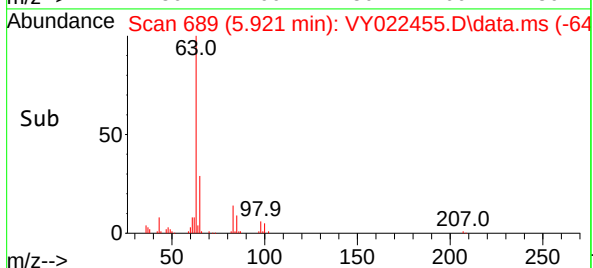
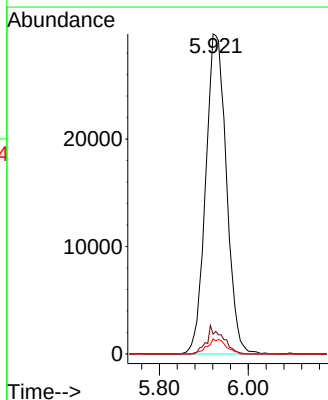
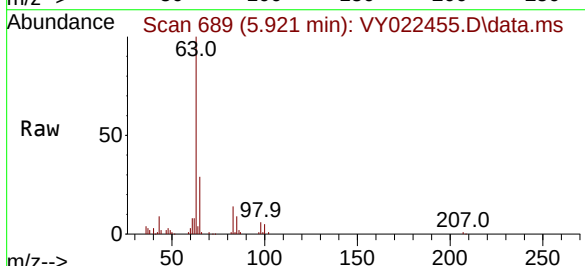
10.5

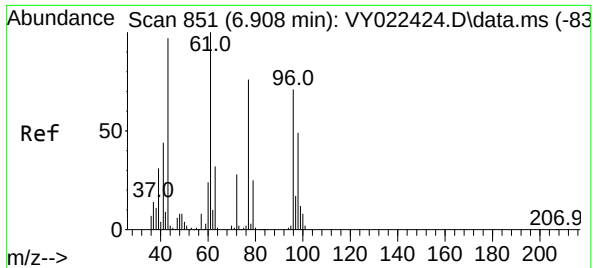
100

4.7

2.1

6.5





#25

2-Butanone

Concen: 113.906 ug/l

RT: 6.908 min Scan# 851

Delta R.T. -0.000 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 43 Resp: 71529

Ion Ratio Lower Upper

43

100

72

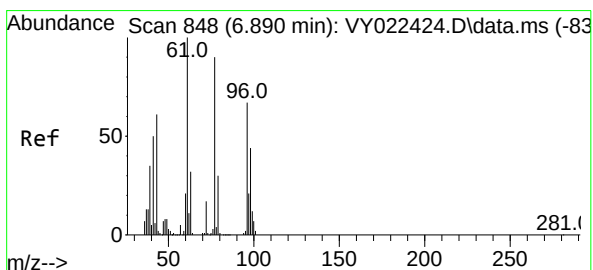
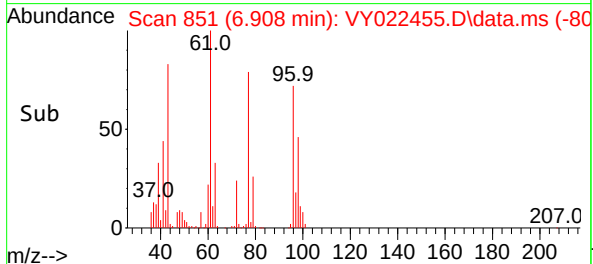
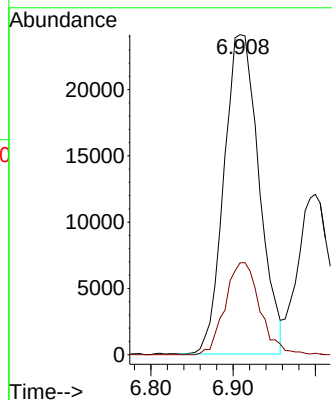
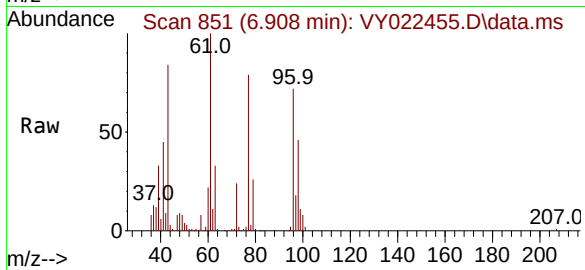
28.7

22.8

34.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

#26

2,2-Dichloropropane

Concen: 20.642 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion: 77 Resp: 83691

Ion Ratio Lower Upper

77

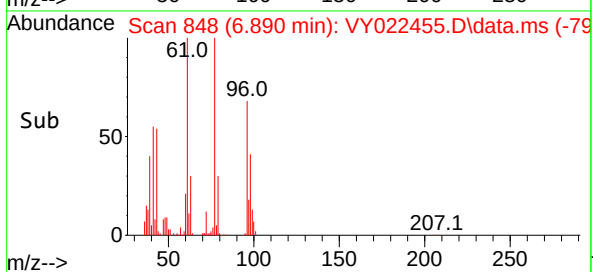
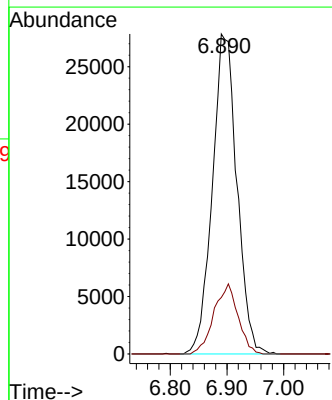
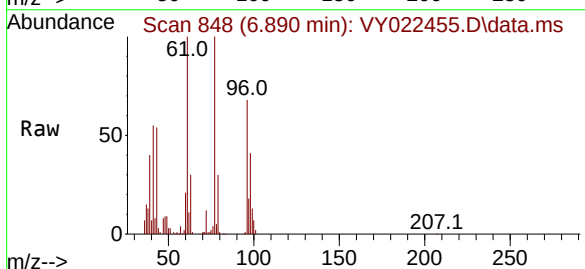
100

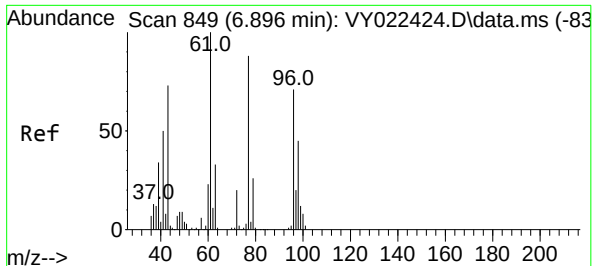
97

21.5

11.6

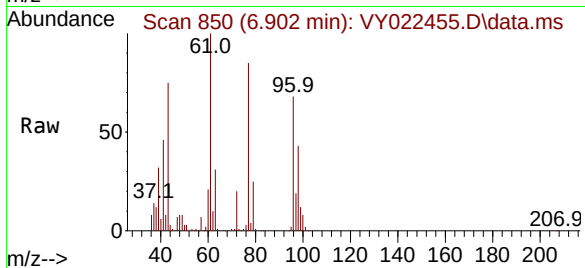
34.7





#27
 cis-1,2-Dichloroethene
 Concen: 21.186 ug/l
 RT: 6.902 min Scan# 849
 Delta R.T. 0.006 min
 Lab File: VY022455.D
 Acq: 29 May 2025 09:27

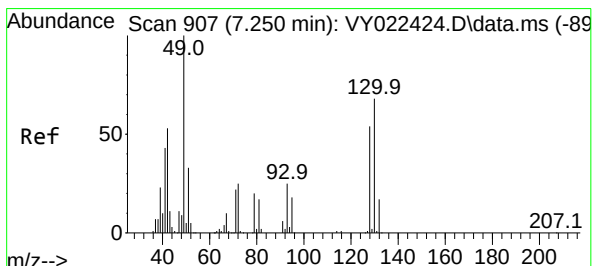
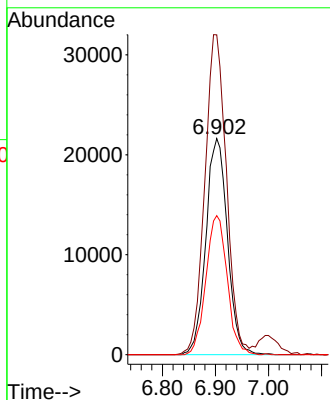
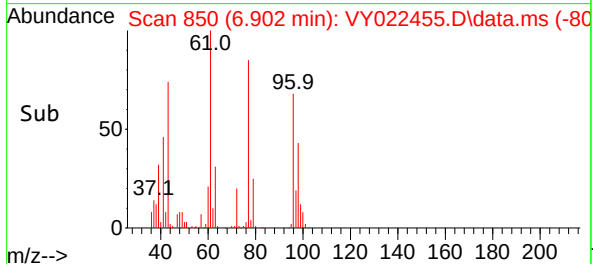
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0529SBS01



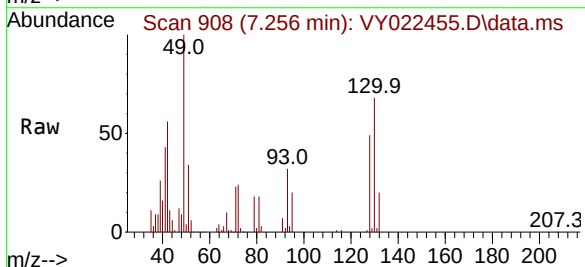
Tgt Ion: 96 Resp: 61114
 Ion Ratio Lower Upper
 96 100
 61 148.1 0.0 292.0
 98 63.5 0.0 131.0

Manual Integrations
 APPROVED

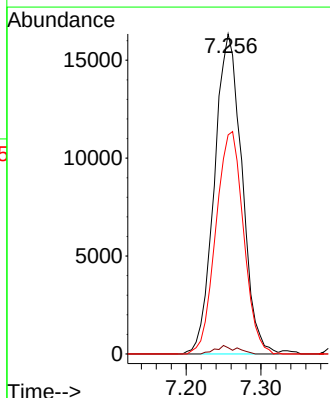
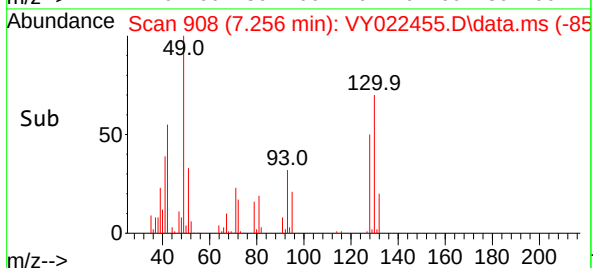
Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

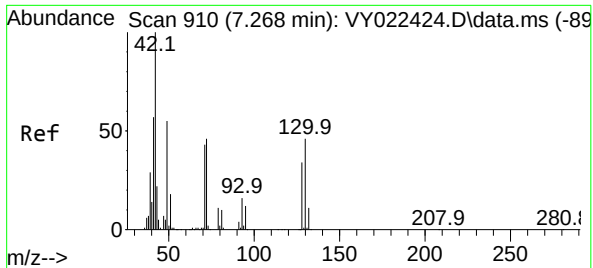


#28
 Bromochloromethane
 Concen: 22.384 ug/l
 RT: 7.256 min Scan# 908
 Delta R.T. 0.006 min
 Lab File: VY022455.D
 Acq: 29 May 2025 09:27



Tgt Ion: 49 Resp: 41852
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 70.0 56.9 85.3





#29

Tetrahydrofuran

Concen: 119.201 ug/l

RT: 7.280 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 42 Resp: 4992

Ion Ratio Lower Upper

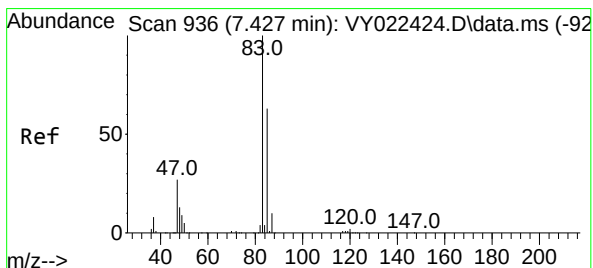
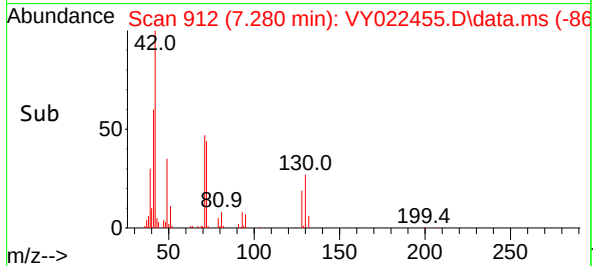
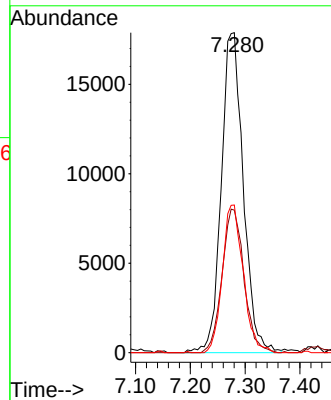
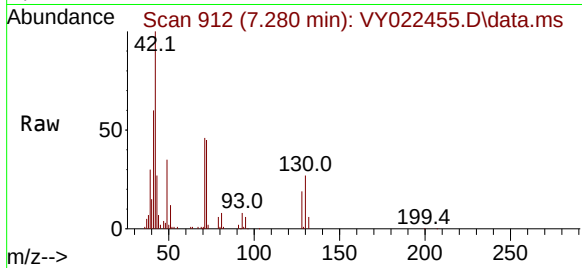
42 100

72 44.7 37.7 56.5

71 43.8 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

#30

Chloroform

Concen: 21.825 ug/l

RT: 7.433 min Scan# 937

Delta R.T. 0.006 min

Lab File: VY022455.D

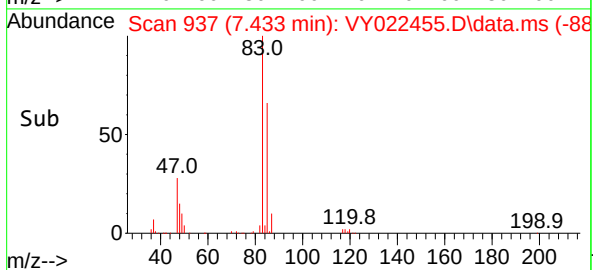
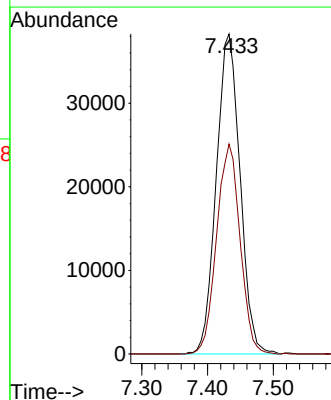
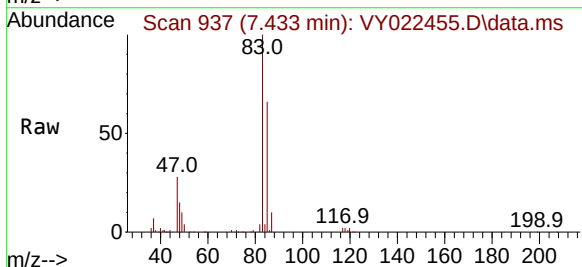
Acq: 29 May 2025 09:27

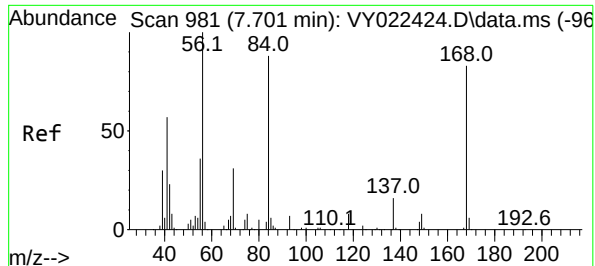
Tgt Ion: 83 Resp: 96292

Ion Ratio Lower Upper

83 100

85 65.6 50.1 75.1





#31

Cyclohexane

Concen: 20.837 ug/l

RT: 7.713 min Scan# 91969

Delta R.T. 0.012 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 56 Resp: 91969

Ion Ratio Lower Upper

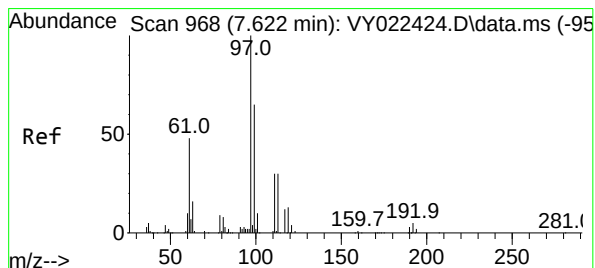
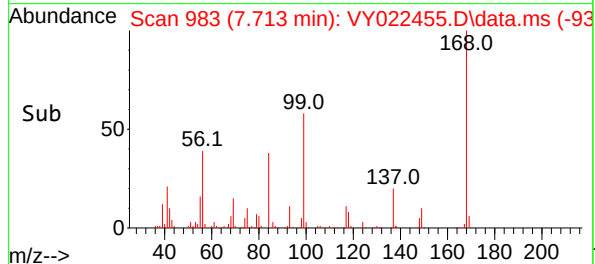
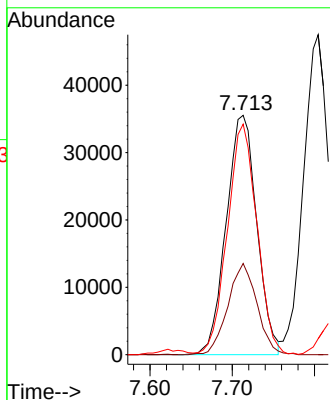
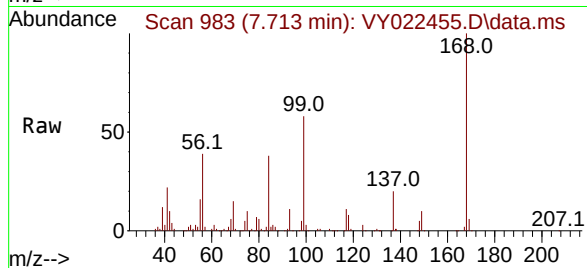
56 100

69 38.1 24.6 36.8

84 94.5 70.4 105.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

#32

1,1,1-Trichloroethane

Concen: 21.373 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

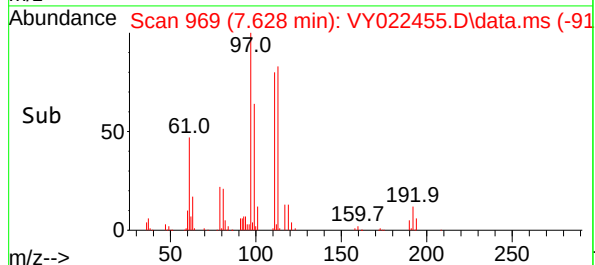
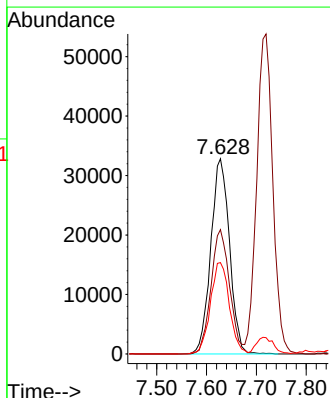
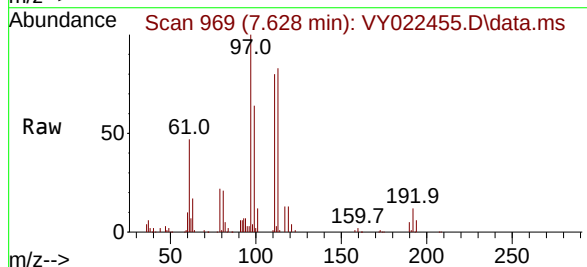
Tgt Ion: 97 Resp: 85584

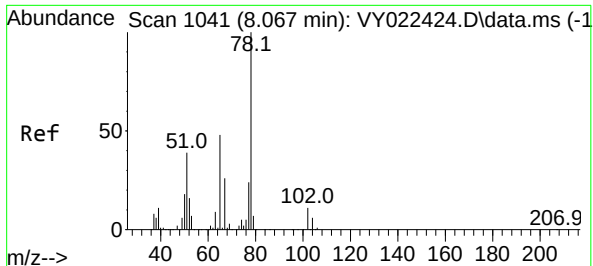
Ion Ratio Lower Upper

97 100

99 63.6 51.3 76.9

61 47.5 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 53.498 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 65 Resp: 12275

Ion Ratio Lower Upper

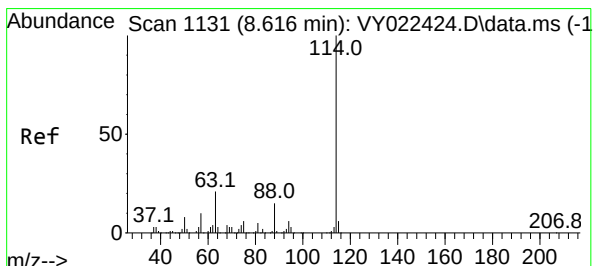
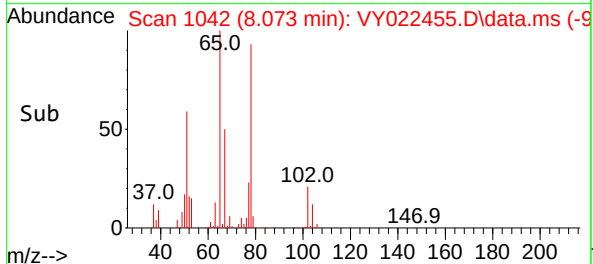
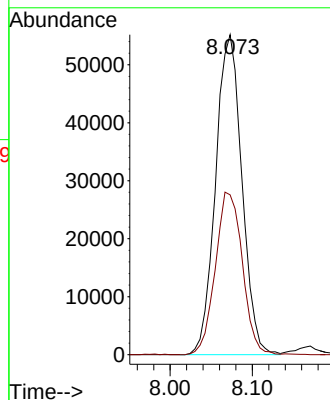
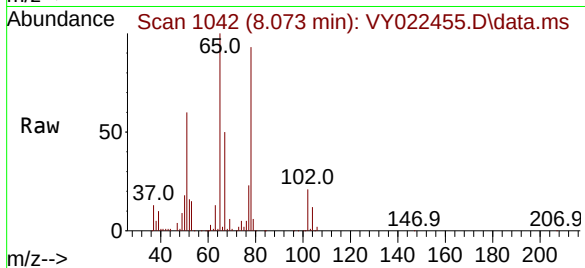
65 100

67 52.1 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

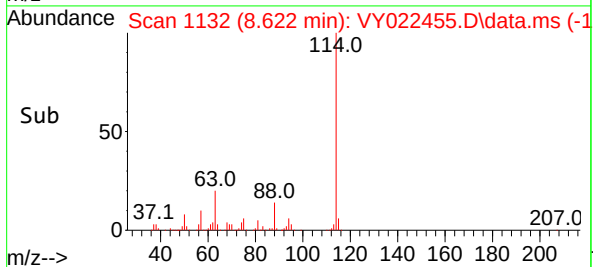
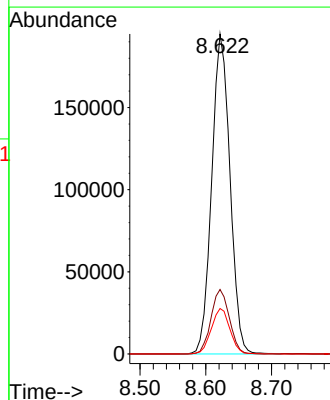
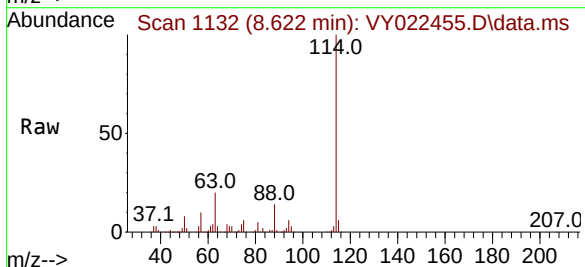
Tgt Ion:114 Resp: 376540

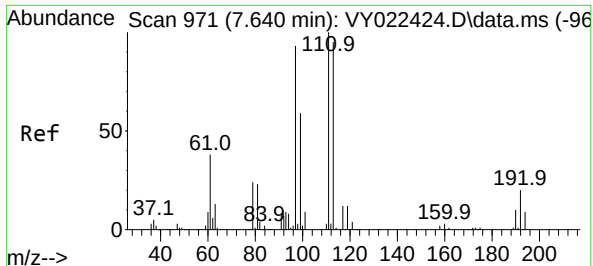
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 14.2 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.575 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion:113 Resp: 109319

Ion Ratio Lower Upper

113 100

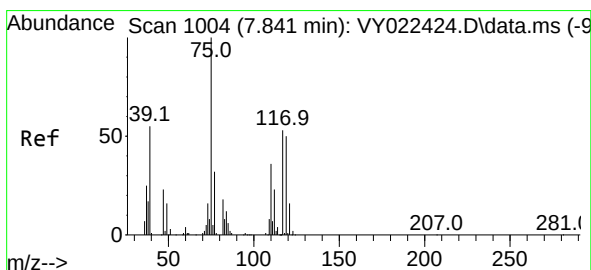
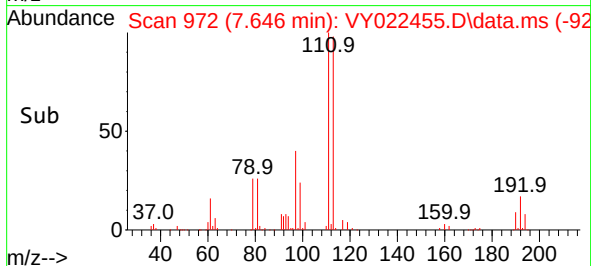
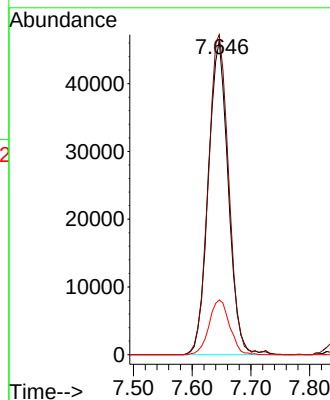
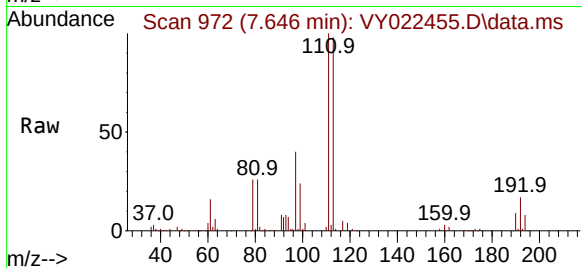
111 103.8 82.4 123.6

192 17.9 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#36

1,1-Dichloropropene

Concen: 20.541 ug/l

RT: 7.847 min Scan# 1005

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

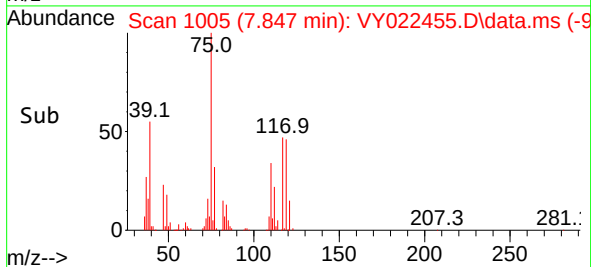
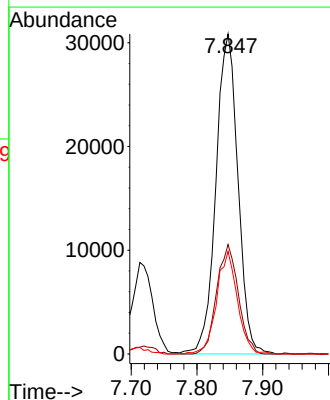
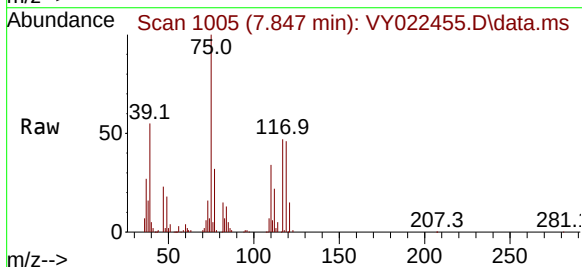
Tgt Ion: 75 Resp: 71878

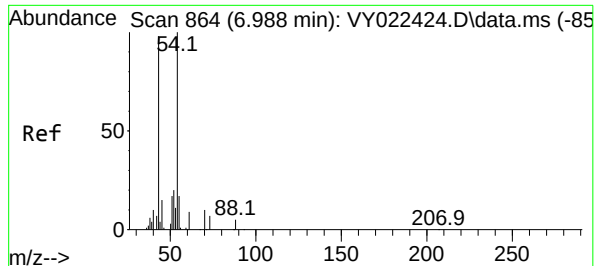
Ion Ratio Lower Upper

75 100

110 33.6 17.1 51.2

77 30.3 25.1 37.7





#37

Ethyl Acetate

Concen: 22.933 ug/l

RT: 7.000 min Scan# 80

Delta R.T. 0.012 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

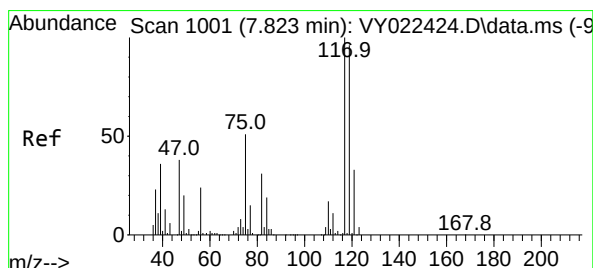
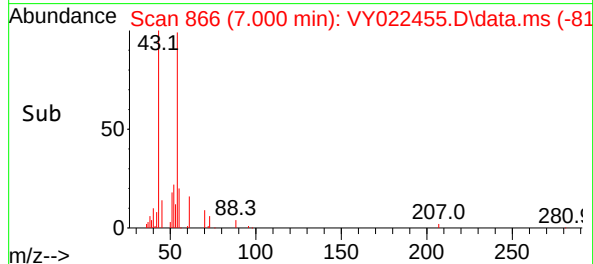
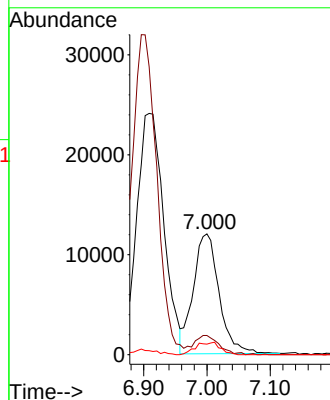
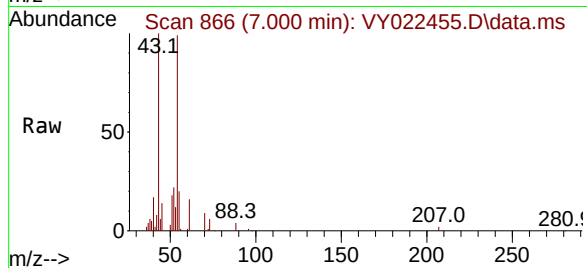
Tgt Ion: 43 Resp: 34104

Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.7	17.5
70	9.7	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#38

Carbon Tetrachloride

Concen: 20.125 ug/l

RT: 7.823 min Scan# 1001

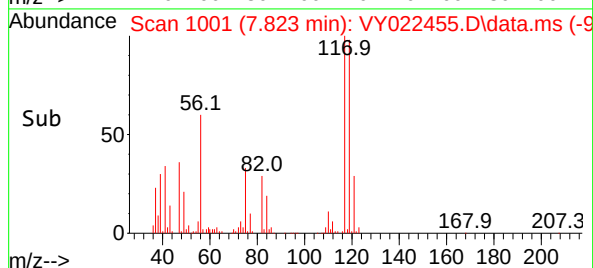
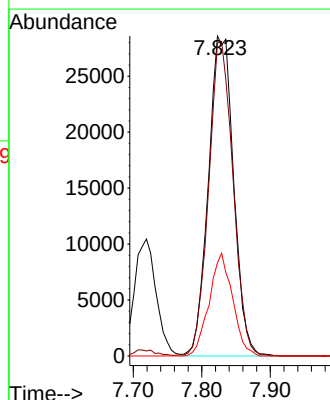
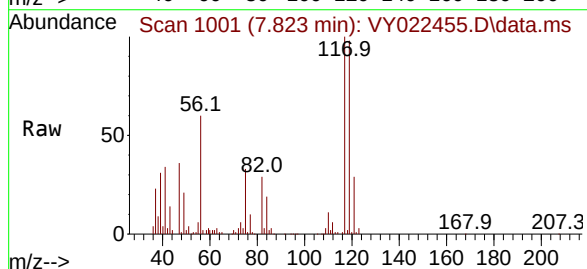
Delta R.T. -0.000 min

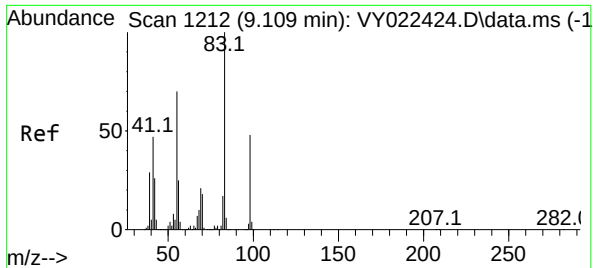
Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion:117 Resp: 73360

Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.3	114.5
121	29.1	26.1	39.1





#39

Methylcyclohexane

Concen: 20.336 ug/l

RT: 9.115 min Scan# 1045

Delta R.T. 0.006 min

Lab File: VY022455.D

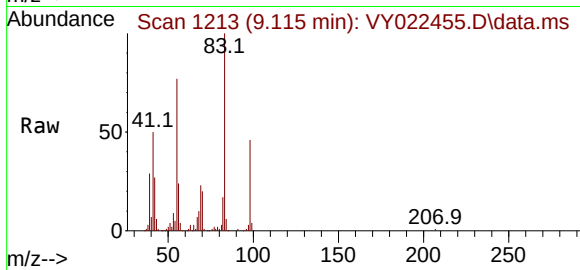
Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01



Tgt Ion: 83 Resp: 94592

Ion Ratio Lower Upper

83 100

55 76.6 56.2 84.2

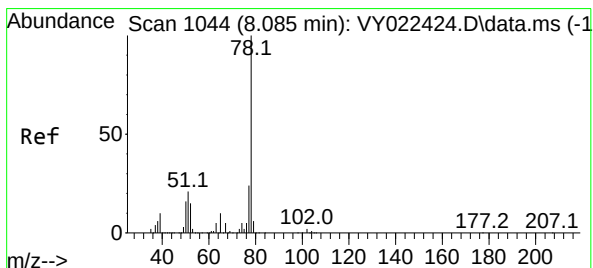
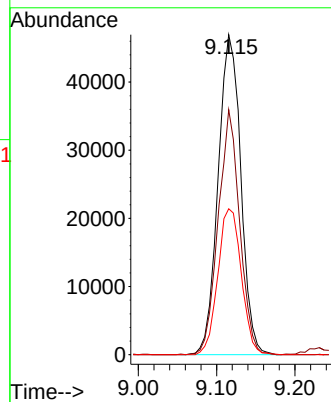
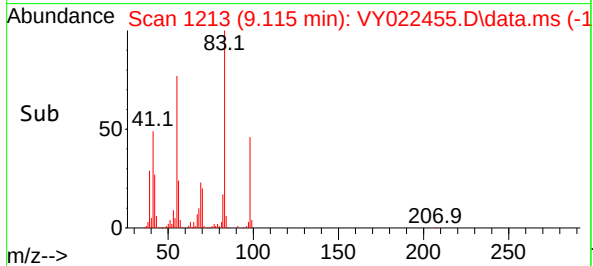
98 45.6 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#40

Benzene

Concen: 20.835 ug/l

RT: 8.091 min Scan# 1045

Delta R.T. 0.006 min

Lab File: VY022455.D

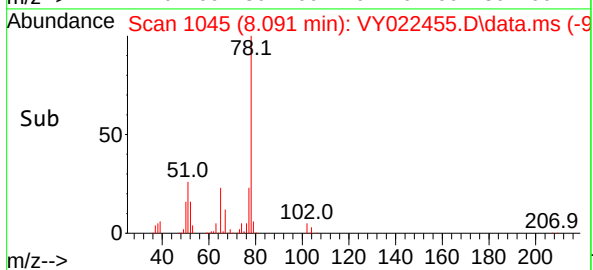
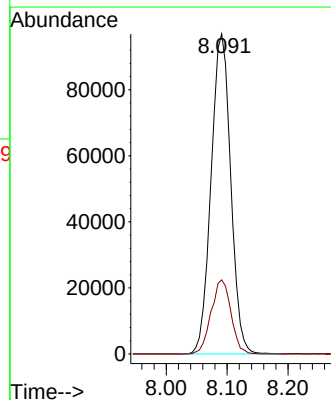
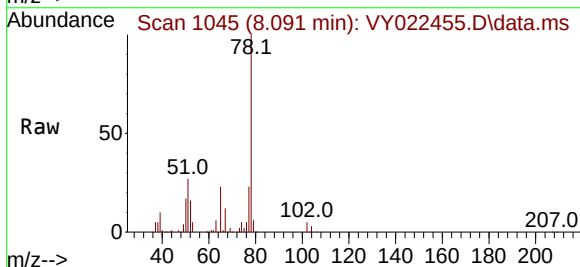
Acq: 29 May 2025 09:27

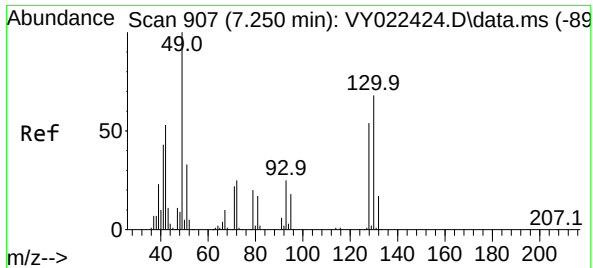
Tgt Ion: 78 Resp: 216938

Ion Ratio Lower Upper

78 100

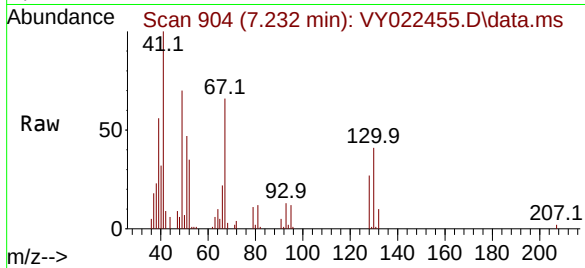
77 23.2 19.4 29.2





#41
Methacrylonitrile
Concen: 21.468 ug/l
RT: 7.232 min Scan# 904
Delta R.T. -0.018 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

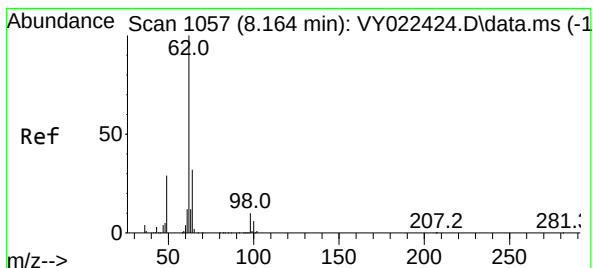
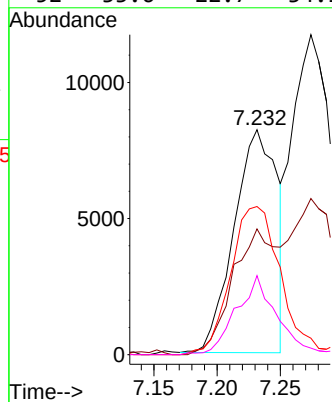
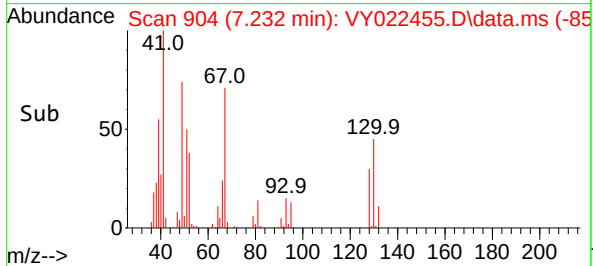
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion: 41 Resp: 1937
Ion Ratio Lower Upper
41 100
39 59.1 40.4 60.6
67 76.6 53.0 79.4
52 33.6 22.7 34.1

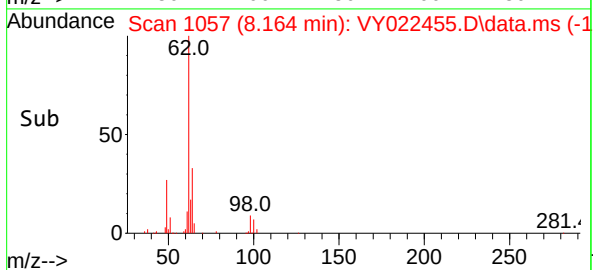
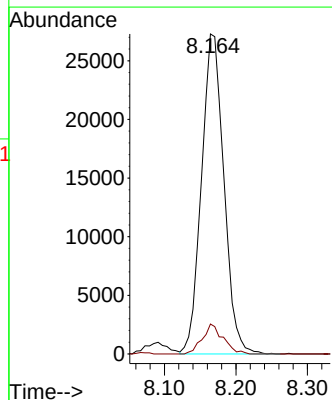
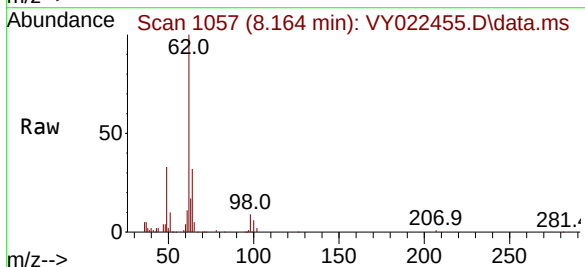
Manual Integrations
APPROVED

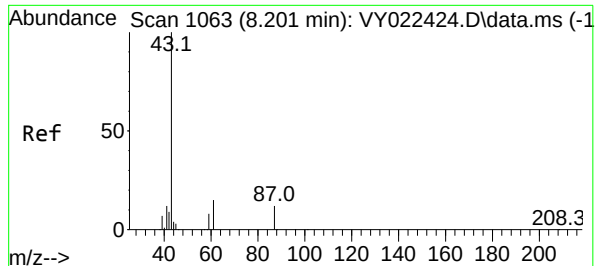
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#42
1,2-Dichloroethane
Concen: 21.622 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

Tgt Ion: 62 Resp: 59459
Ion Ratio Lower Upper
62 100
98 8.6 0.0 18.4





#43

Isopropyl Acetate

Concen: 22.425 ug/l

RT: 8.207 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

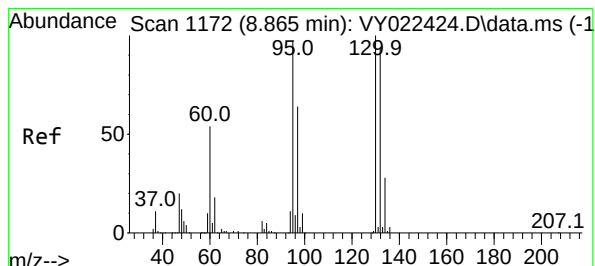
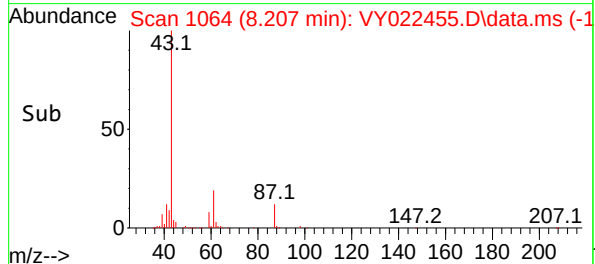
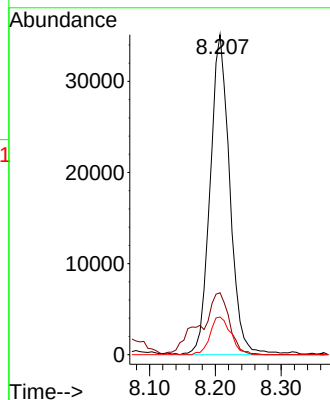
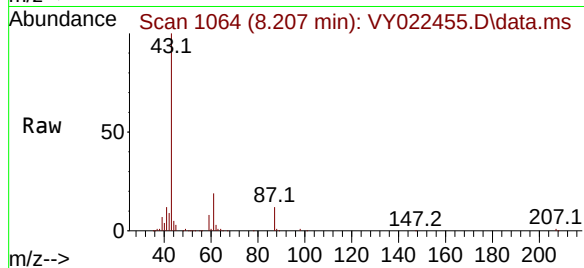
VY0529SBS01

Tgt Ion:	43	Resp:	7287
Ion	Ratio	Lower	Upper
43	100		
61	28.7	15.4	23.0
87	12.4	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#44

Trichloroethene

Concen: 20.493 ug/l

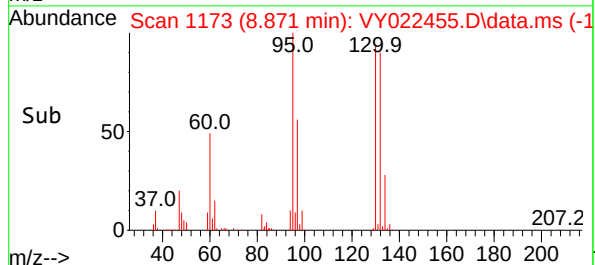
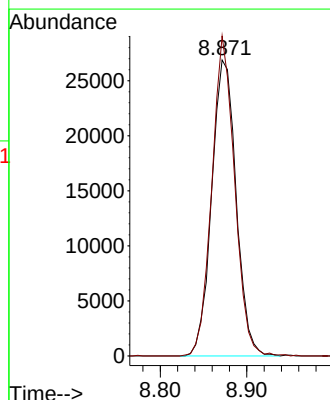
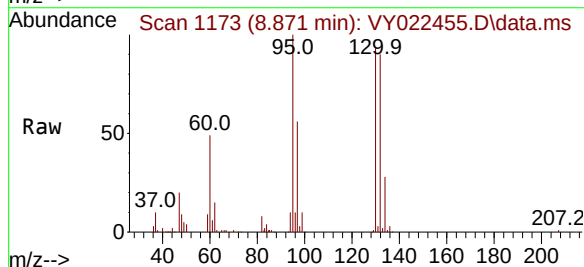
RT: 8.871 min Scan# 1173

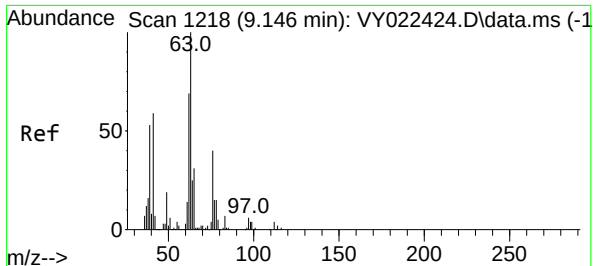
Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion:	130	Resp:	52748
Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	194.8





#45

1,2-Dichloropropane

Concen: 21.130 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 63 Resp: 5169

Ion Ratio Lower Upper

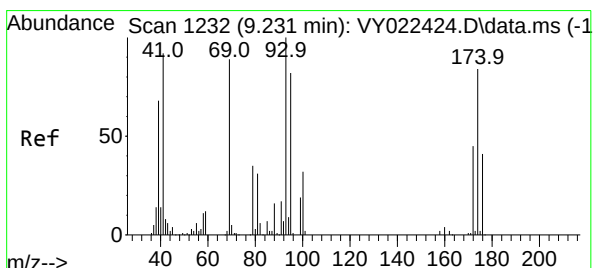
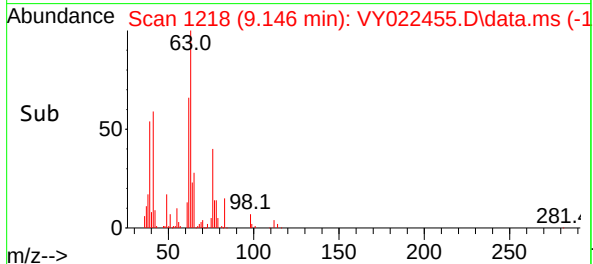
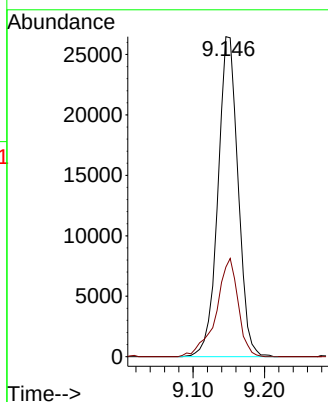
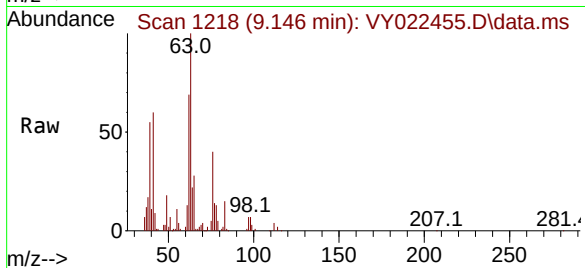
63 100

65 28.0 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#46

Dibromomethane

Concen: 21.069 ug/l

RT: 9.243 min Scan# 1234

Delta R.T. 0.012 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

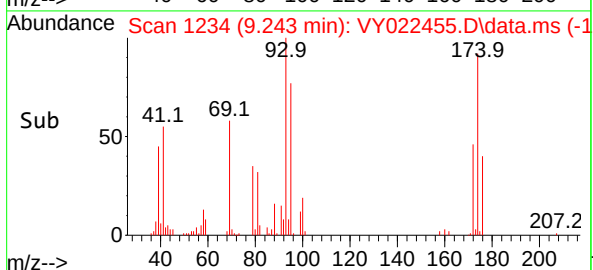
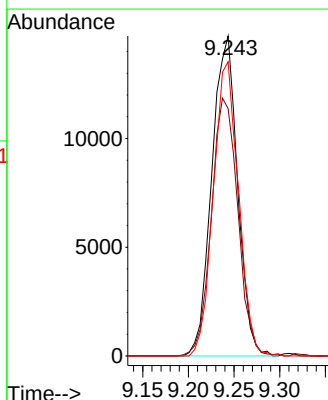
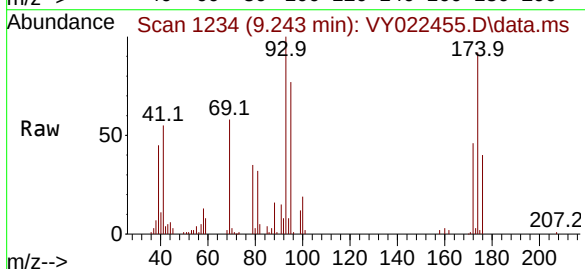
Tgt Ion: 93 Resp: 28793

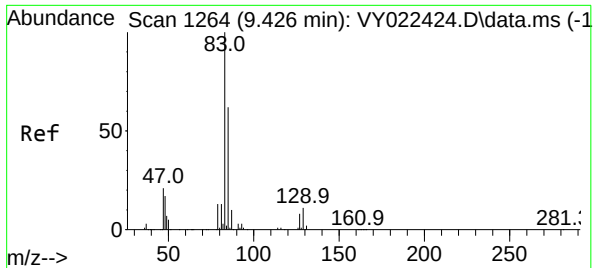
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.2

174 89.8 71.1 106.7





#47

Bromodichloromethane

Concen: 20.914 ug/l

RT: 9.432 min Scan# 1265

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

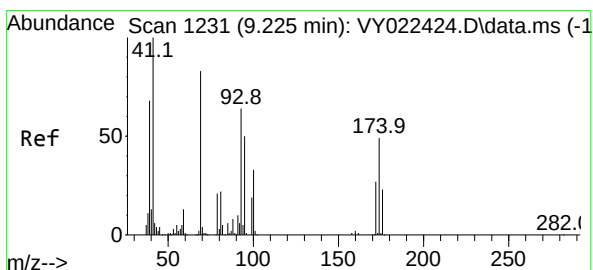
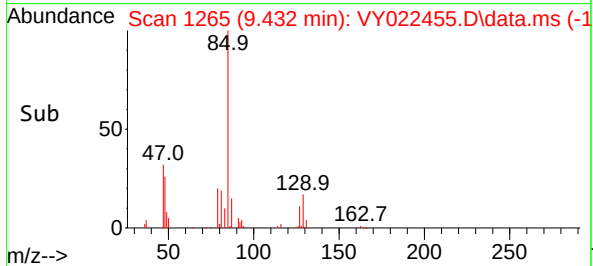
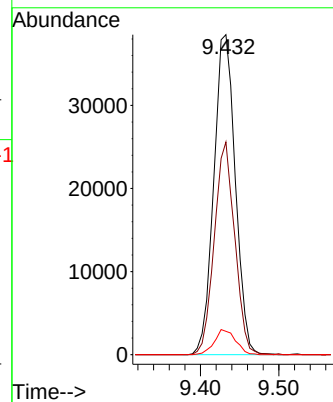
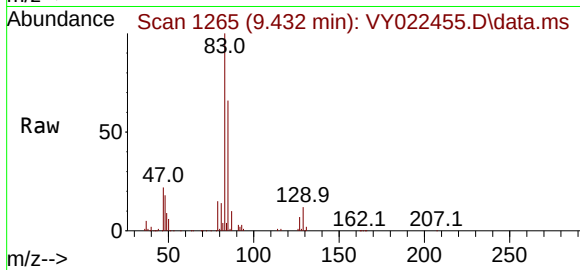
VY0529SBS01

Tgt Ion:	83	Resp:	73498
Ion Ratio	Lower	Upper	
83	100		
85	66.5	49.8	74.6
127	7.3	6.6	9.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#48

Methyl methacrylate

Concen: 22.770 ug/l

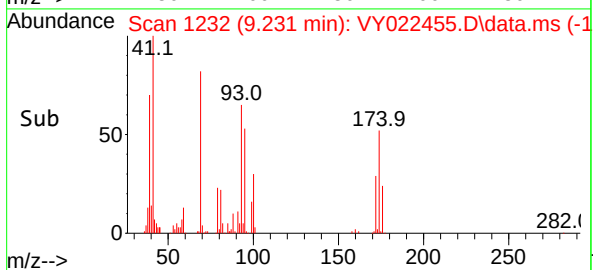
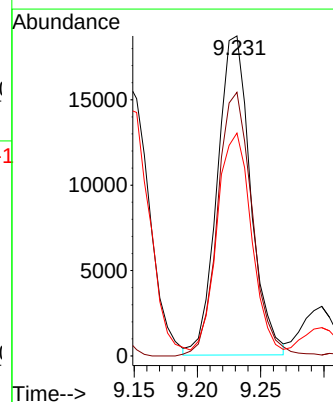
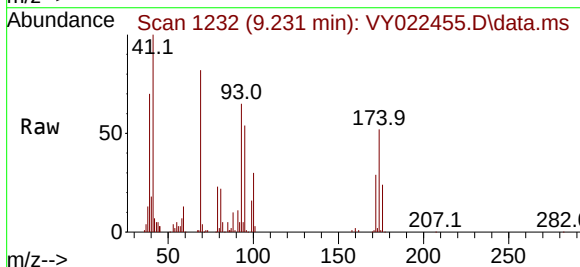
RT: 9.231 min Scan# 1232

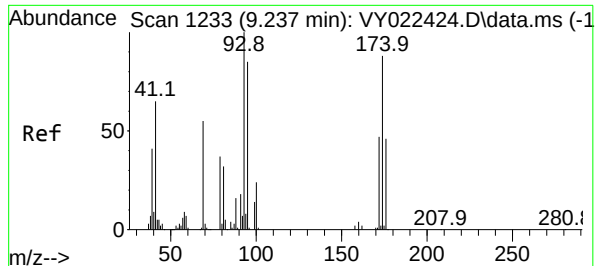
Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion:	41	Resp:	34348
Ion Ratio	Lower	Upper	
41	100		
69	85.6	70.3	105.5
39	69.3	55.4	83.0





#49

1,4-Dioxane

Concen: 459.638 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. -0.000 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 88 Resp: 6938

Ion Ratio Lower Upper

88 100

43 31.0 26.9 40.3

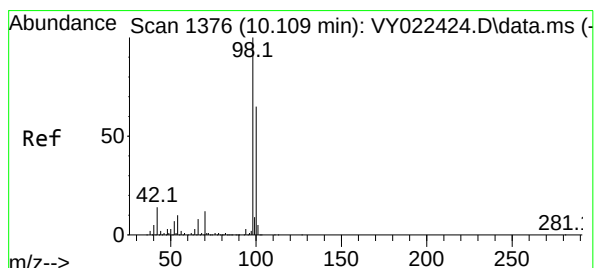
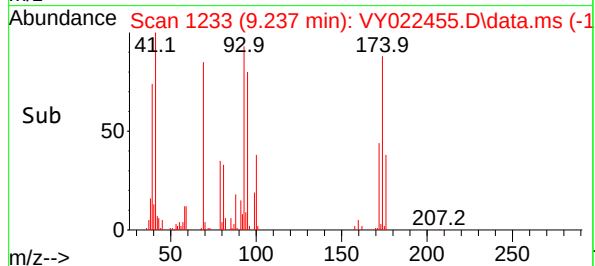
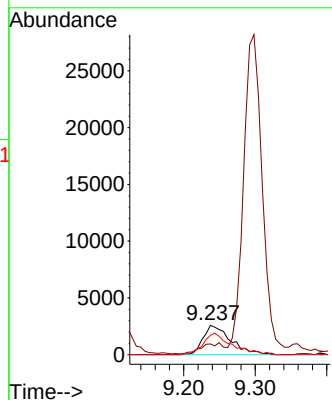
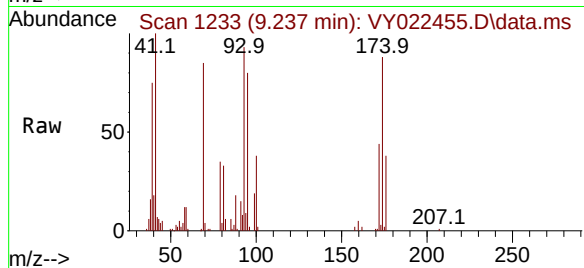
58 74.8 55.8 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#50

Toluene-d8

Concen: 49.620 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY022455.D

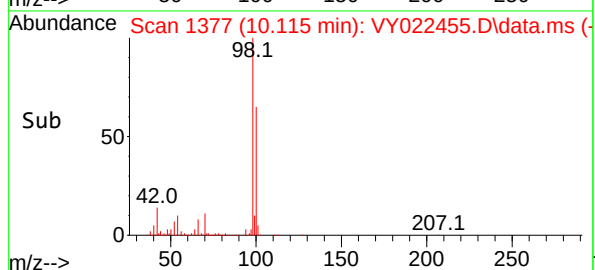
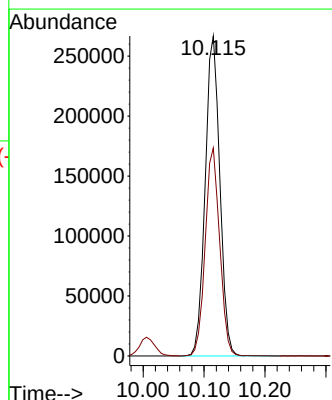
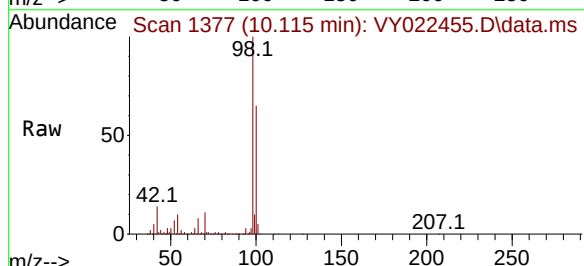
Acq: 29 May 2025 09:27

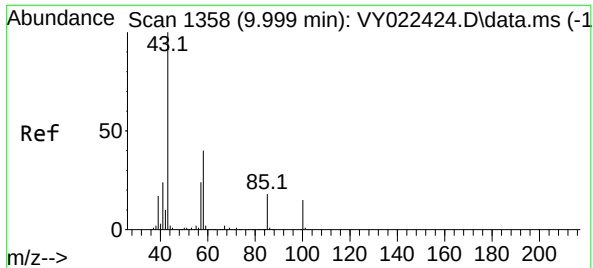
Tgt Ion: 98 Resp: 446049

Ion Ratio Lower Upper

98 100

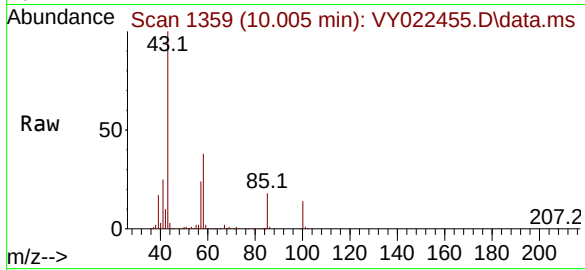
100 64.3 52.2 78.2





#51
4-Methyl-2-Pentanone
Concen: 112.489 ug/l
RT: 10.005 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

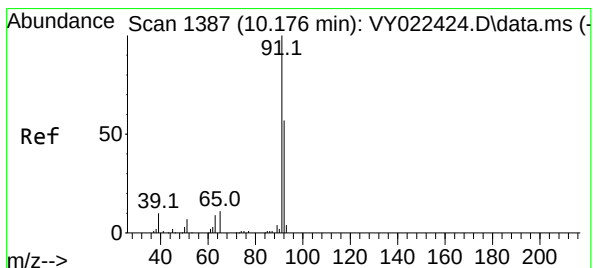
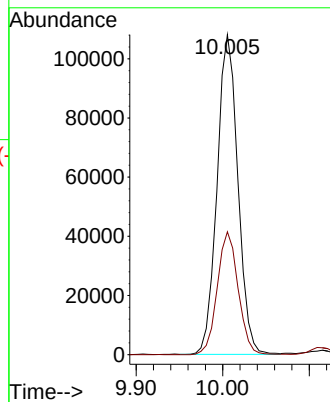
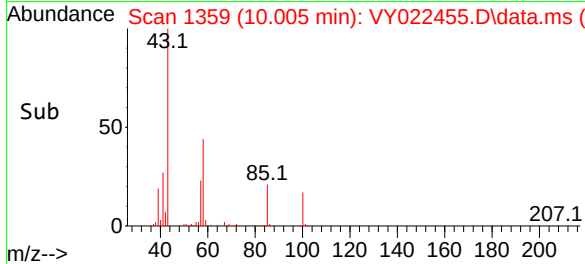
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion: 43 Resp: 180359
Ion Ratio Lower Upper
43 100
58 38.7 31.2 46.8

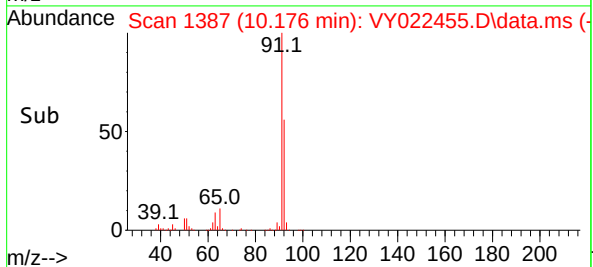
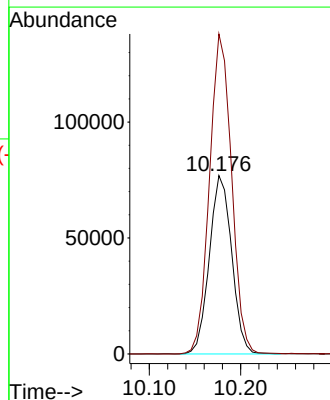
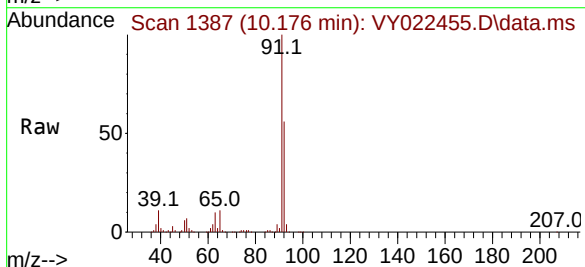
Manual Integrations
APPROVED

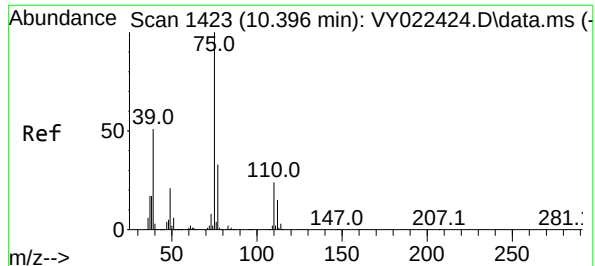
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#52
Toluene
Concen: 20.130 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

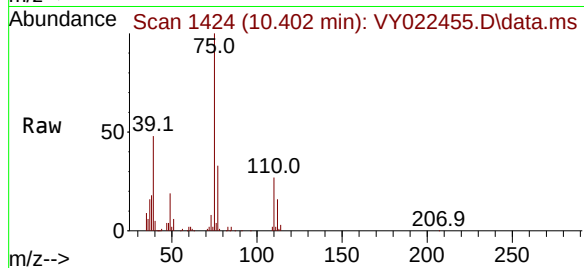
Tgt Ion: 92 Resp: 130911
Ion Ratio Lower Upper
92 100
91 177.0 139.8 209.6





#53
t-1,3-Dichloropropene
Concen: 21.154 ug/l
RT: 10.402 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

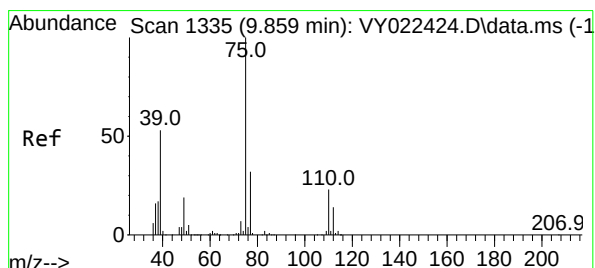
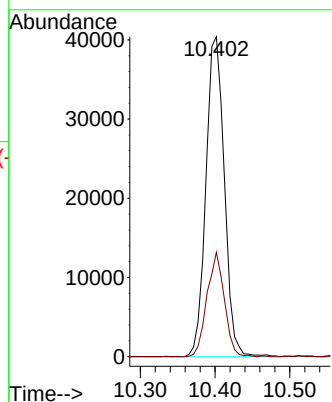
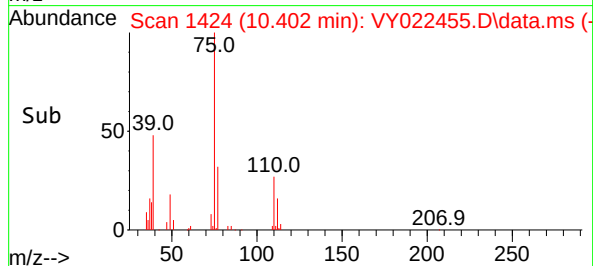
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



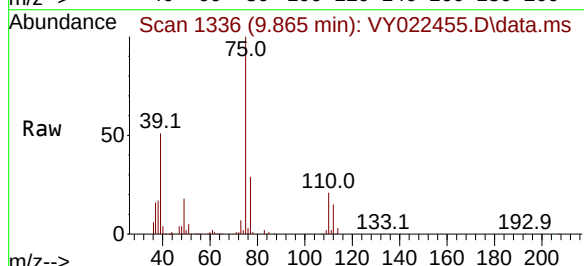
Tgt Ion: 75 Resp: 69240
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2

Manual Integrations
APPROVED

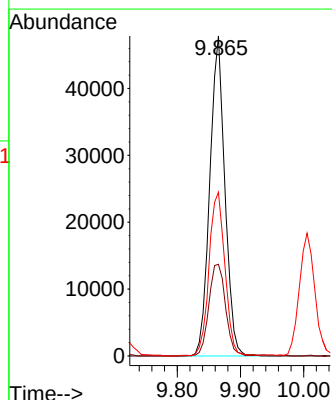
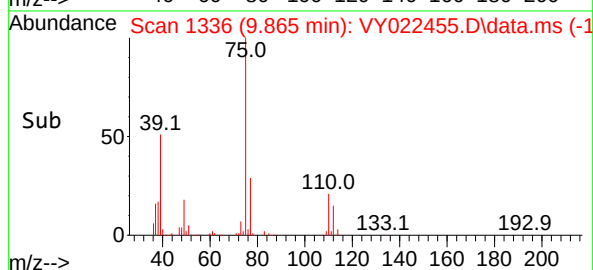
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

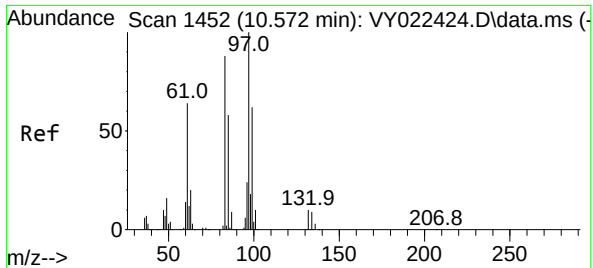


#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27



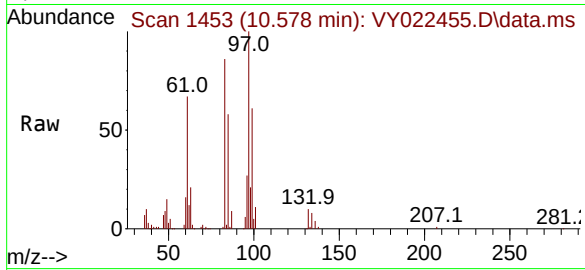
Tgt Ion: 75 Resp: 79429
Ion Ratio Lower Upper
75 100
77 28.7 25.4 38.2
39 51.1 42.5 63.7





#55
1,1,2-Trichloroethane
Concen: 21.088 ug/l
RT: 10.578 min Scan# 1453
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

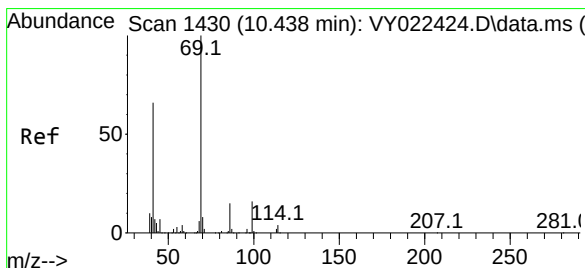
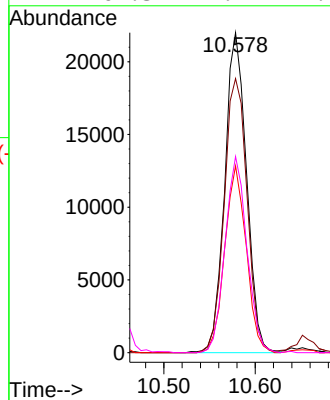
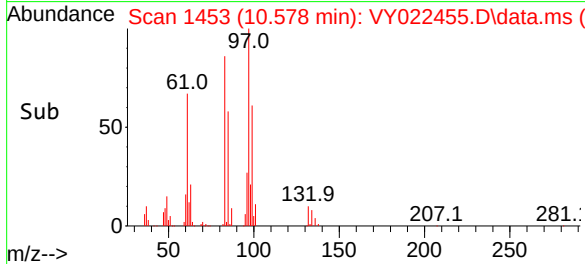
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion: 97 Resp: 36430
Ion Ratio Lower Upper
97 100
83 85.7 70.2 105.4
85 58.3 46.1 69.1
99 61.3 49.9 74.9

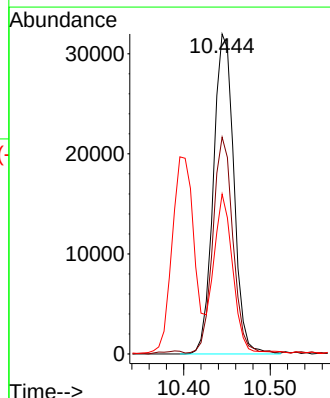
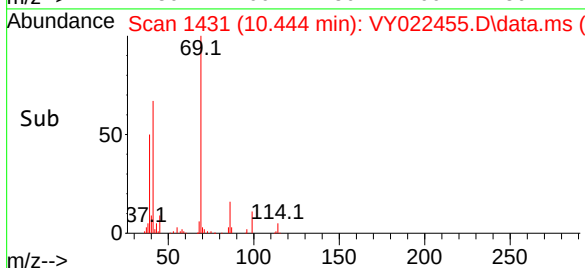
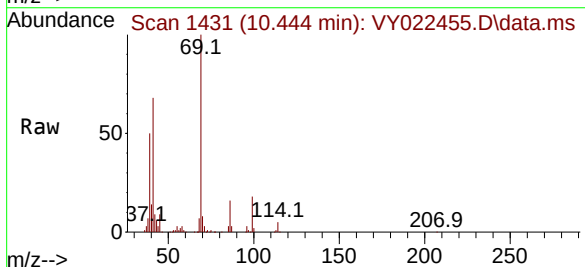
Manual Integrations
APPROVED

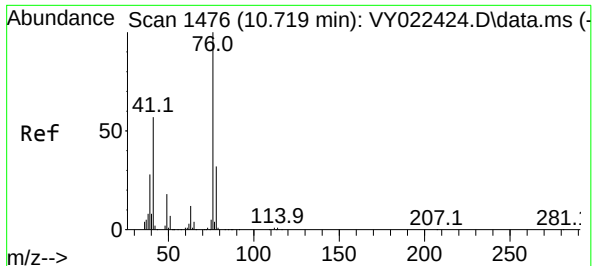
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#56
Ethyl methacrylate
Concen: 21.269 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

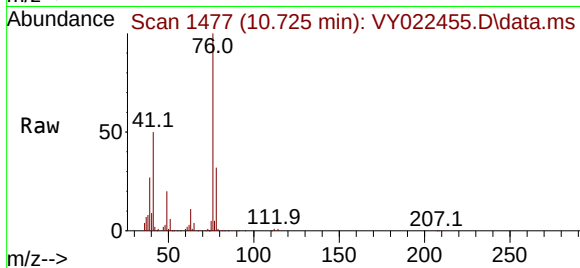
Tgt Ion: 69 Resp: 52736
Ion Ratio Lower Upper
69 100
41 65.6 51.2 76.8
39 43.4 35.2 52.8





#57
1,3-Dichloropropane
Concen: 21.937 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

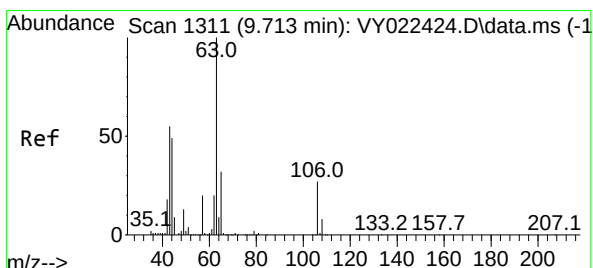
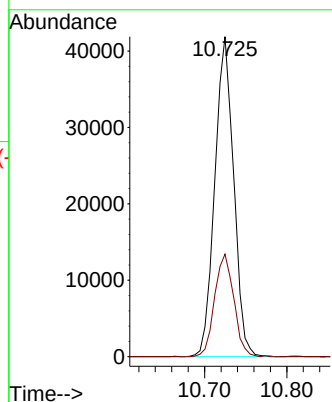
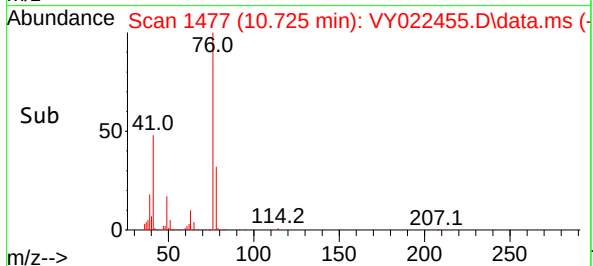
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion: 76 Resp: 66794
Ion Ratio Lower Upper
76 100
78 32.7 25.8 38.8

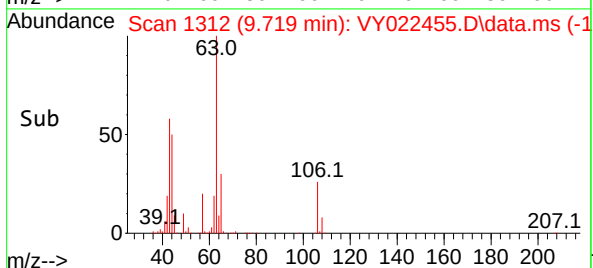
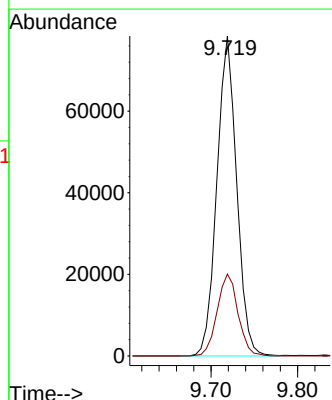
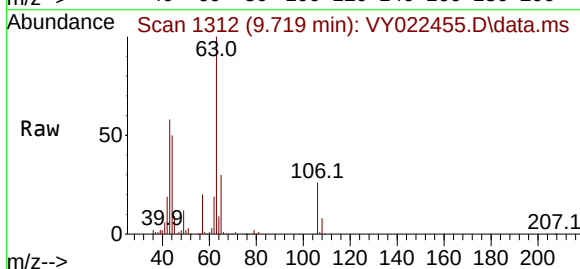
Manual Integrations
APPROVED

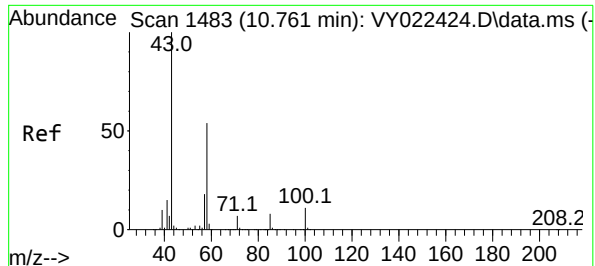
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#58
2-Chloroethyl Vinyl ether
Concen: 100.727 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

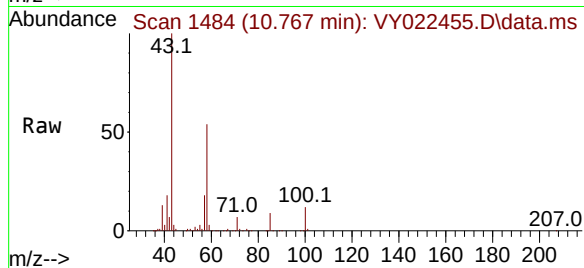
Tgt Ion: 63 Resp: 124474
Ion Ratio Lower Upper
63 100
106 26.9 22.2 33.2





#59
2-Hexanone
Concen: 113.375 ug/l
RT: 10.767 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

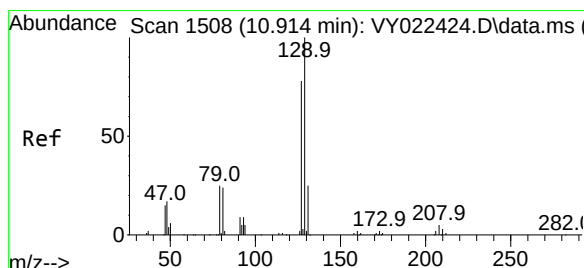
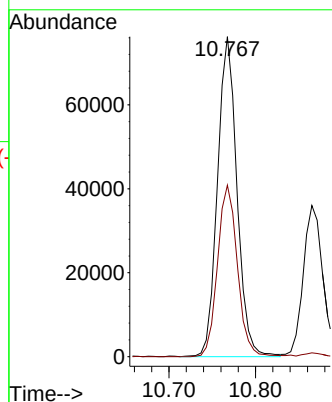
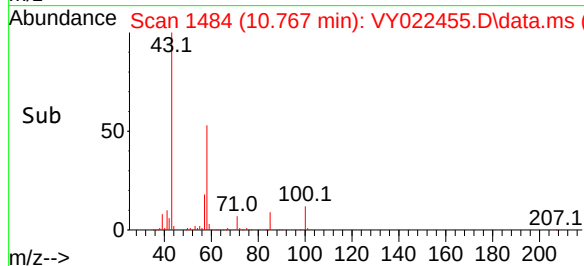
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion: 43 Resp: 119129
Ion Ratio Lower Upper
43 100
58 54.6 27.1 81.2

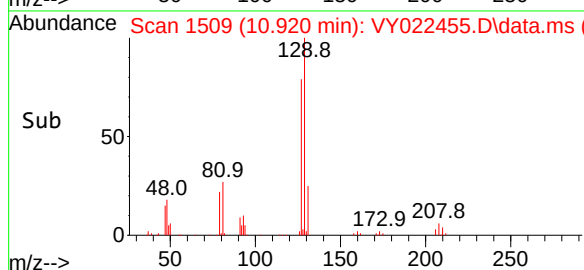
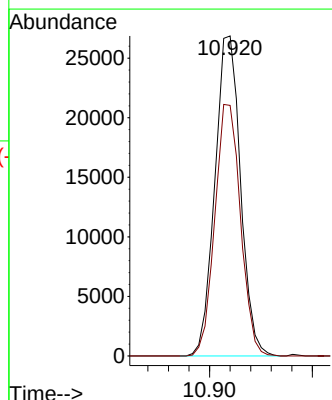
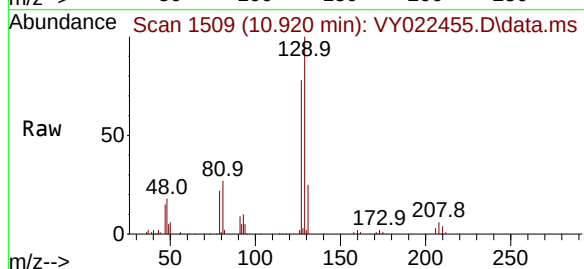
Manual Integrations
APPROVED

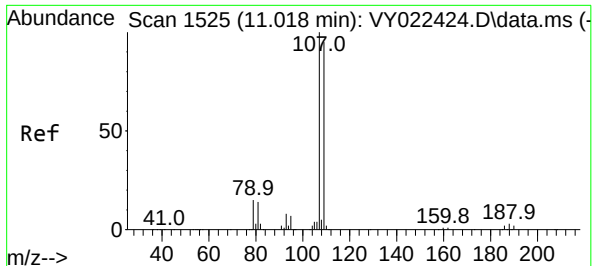
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#60
Dibromochloromethane
Concen: 21.093 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

Tgt Ion:129 Resp: 46556
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.8





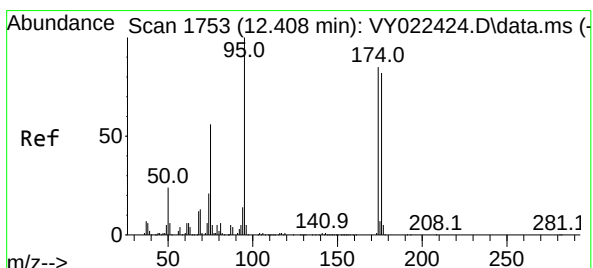
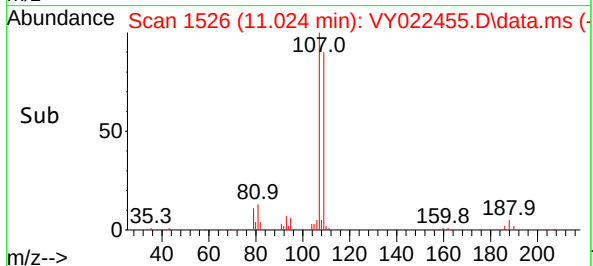
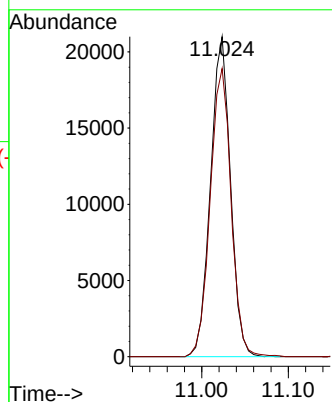
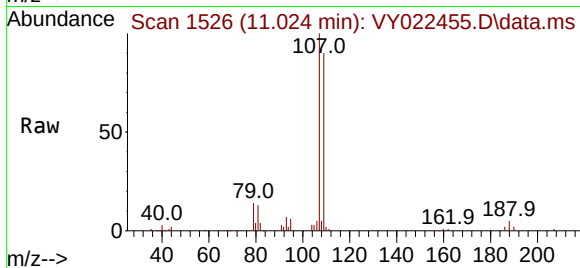
#61
1,2-Dibromoethane
Concen: 21.298 ug/l
RT: 11.024 min Scan# 1526
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Tgt Ion:107 Resp: 33658
Ion Ratio Lower Upper
107 100
109 94.2 74.0 111.0

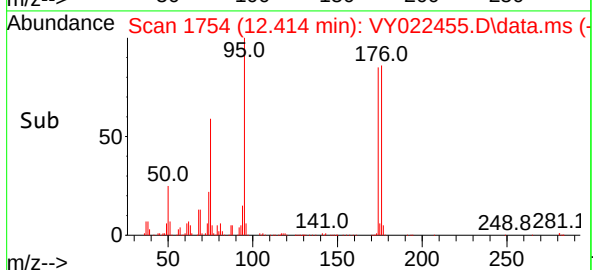
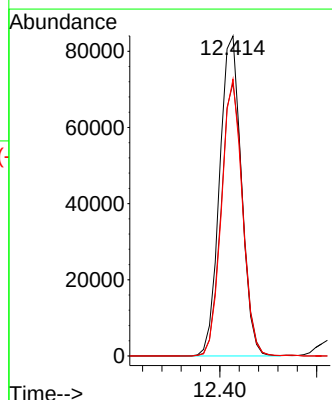
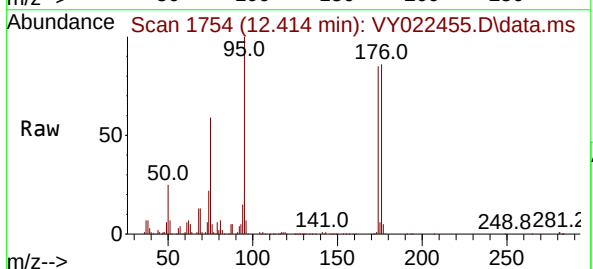
Manual Integrations
APPROVED

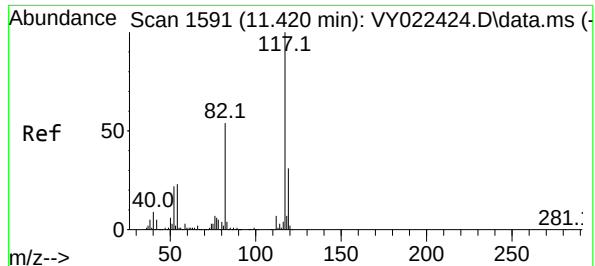
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#62
4-Bromofluorobenzene
Concen: 48.192 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

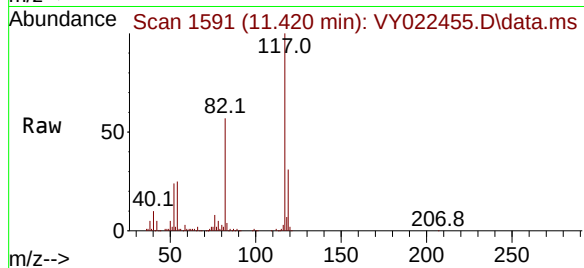
Tgt Ion: 95 Resp: 131041
Ion Ratio Lower Upper
95 100
174 84.6 0.0 171.6
176 82.8 0.0 164.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

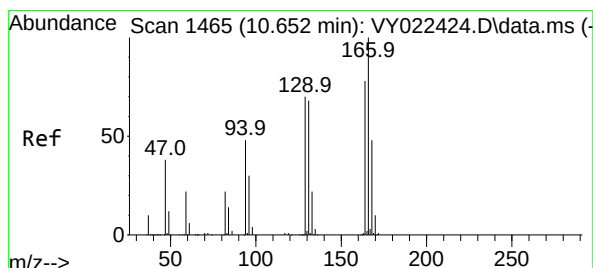
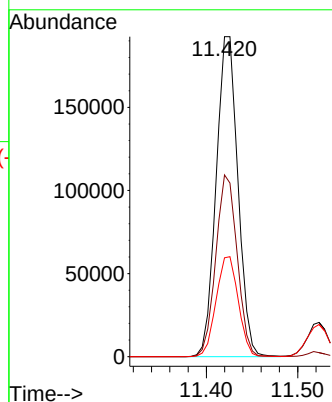
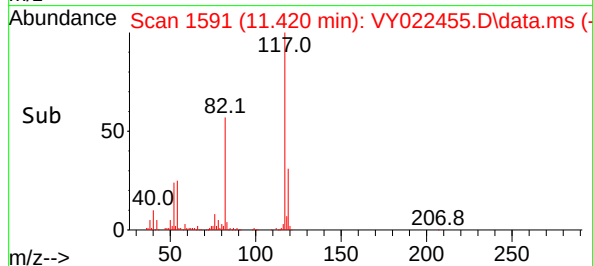
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion:117 Resp: 319754
Ion Ratio Lower Upper
117 100
82 56.8 43.3 64.9
119 30.9 24.5 36.7

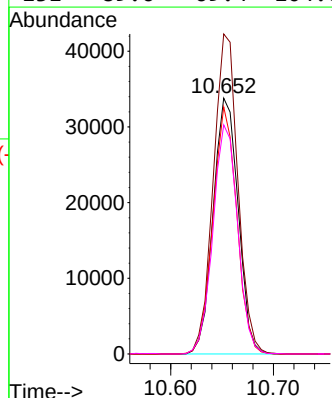
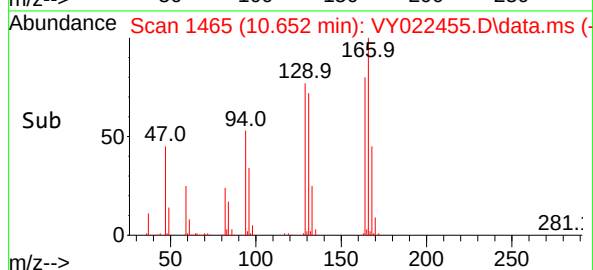
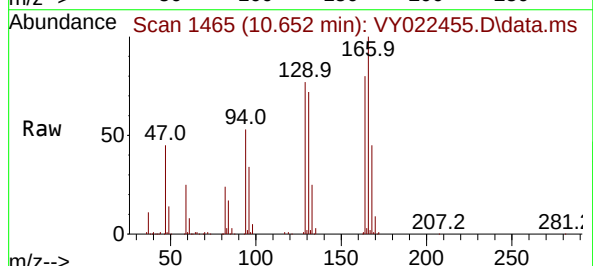
Manual Integrations
APPROVED

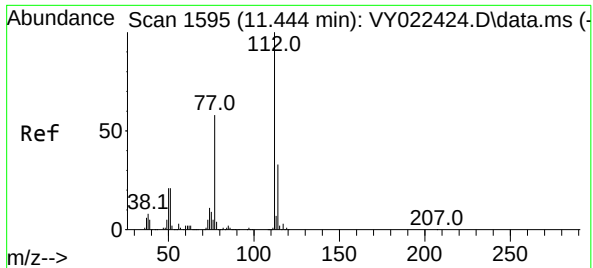
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#64
Tetrachloroethene
Concen: 20.927 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

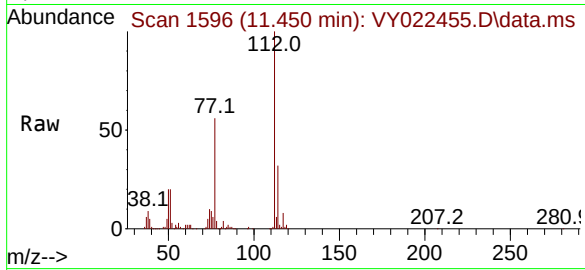
Tgt Ion:164 Resp: 56988
Ion Ratio Lower Upper
164 100
166 125.1 102.0 153.0
129 96.6 71.3 106.9
131 89.6 69.4 104.0





#65
Chlorobenzene
Concen: 20.141 ug/l
RT: 11.450 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

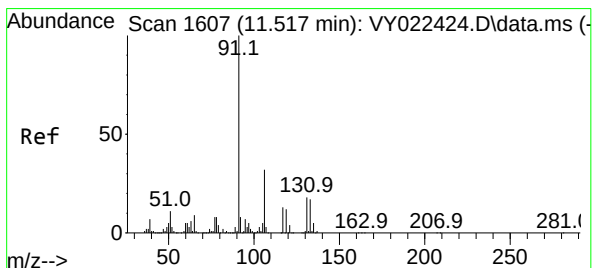
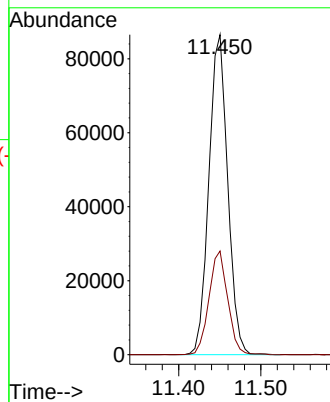
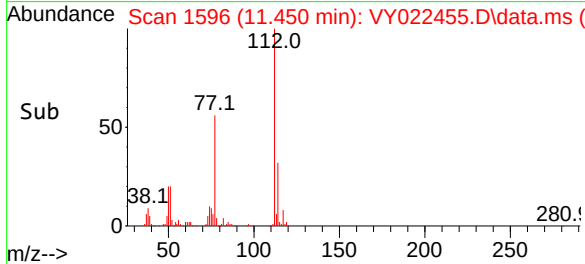
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



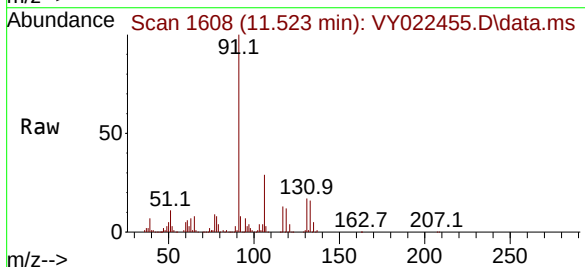
Tgt Ion:112 Resp: 137324
Ion Ratio Lower Upper
112 100
114 32.4 26.1 39.1

Manual Integrations
APPROVED

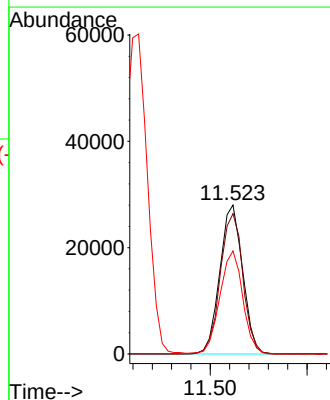
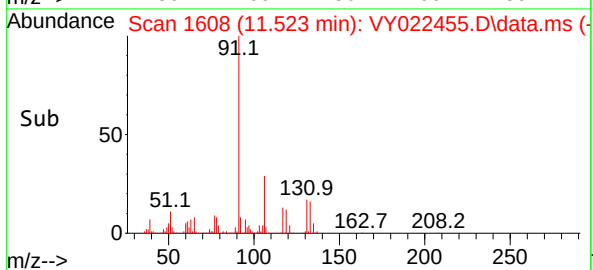
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

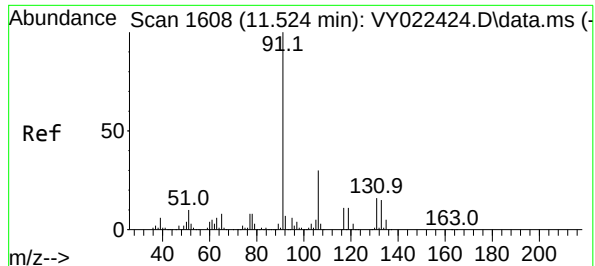


#66
1,1,1,2-Tetrachloroethane
Concen: 19.790 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27



Tgt Ion:131 Resp: 45717
Ion Ratio Lower Upper
131 100
133 94.0 46.6 139.8
119 69.6 33.3 99.8





#67

Ethyl Benzene

Concen: 19.657 ug/l

RT: 11.523 min Scan# 1608

Delta R.T. -0.000 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 91 Resp: 248860

Ion Ratio Lower Upper

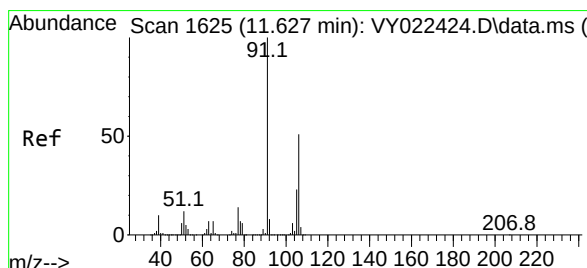
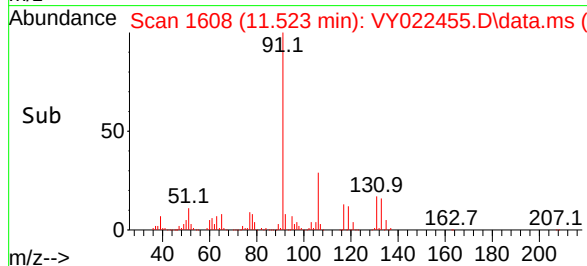
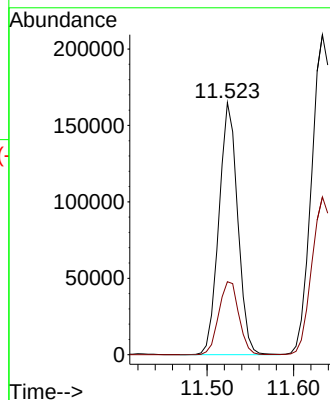
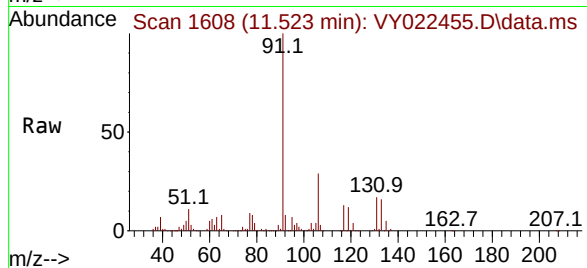
91 100

106 28.9 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#68

m/p-Xylenes

Concen: 38.956 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY022455.D

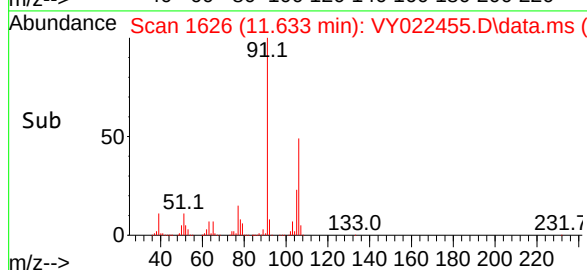
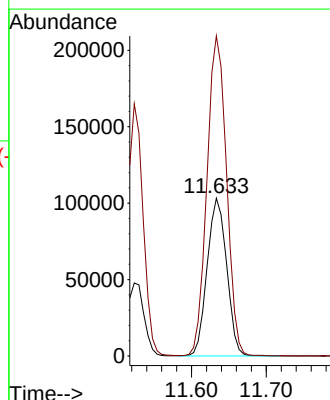
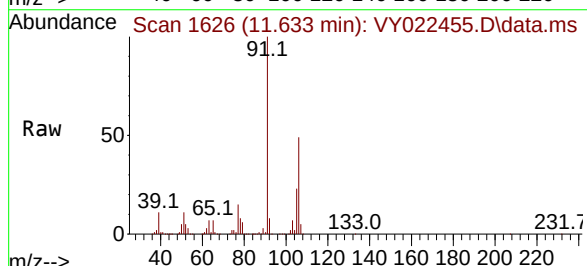
Acq: 29 May 2025 09:27

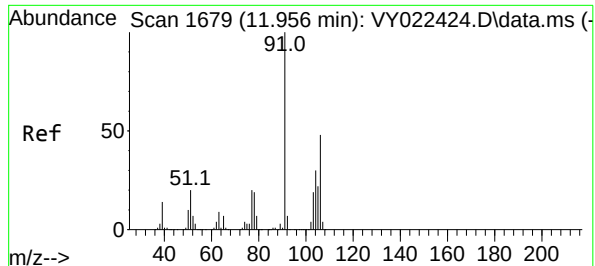
Tgt Ion:106 Resp: 186984

Ion Ratio Lower Upper

106 100

91 203.6 159.8 239.8





#69

o-Xylene

Concen: 19.850 ug/l

RT: 11.962 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion:106 Resp: 8954

Ion Ratio Lower Upper

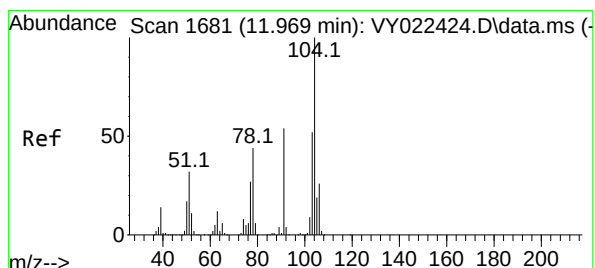
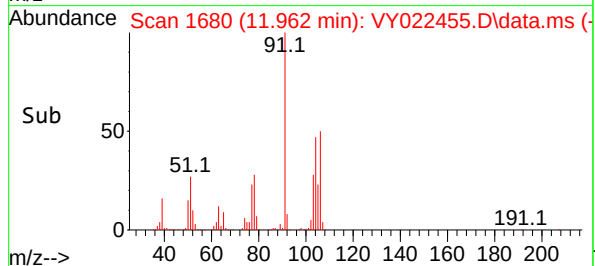
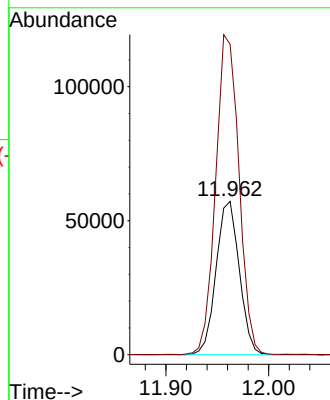
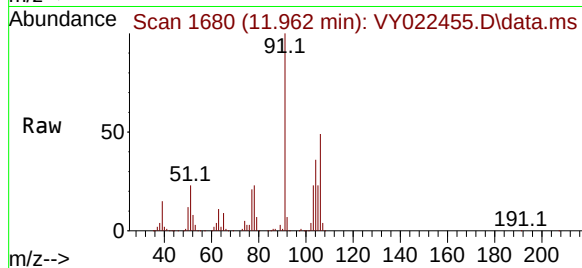
106 100

91 210.6 106.3 318.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#70

Styrene

Concen: 20.053 ug/l

RT: 11.975 min Scan# 1682

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

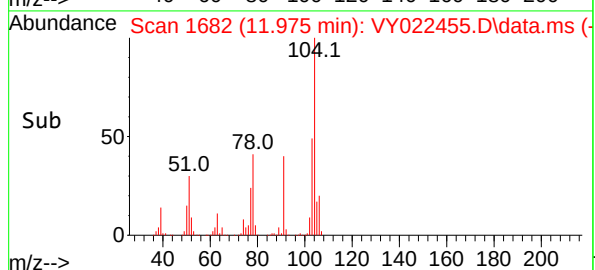
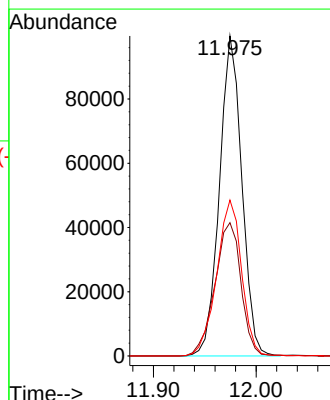
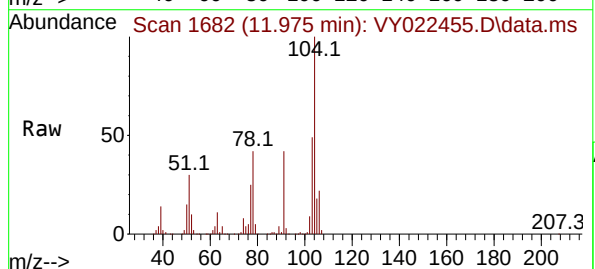
Tgt Ion:104 Resp: 150631

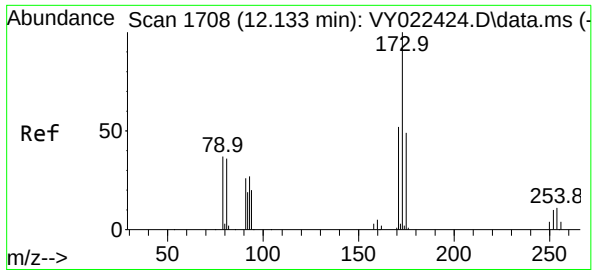
Ion Ratio Lower Upper

104 100

78 48.7 38.8 58.2

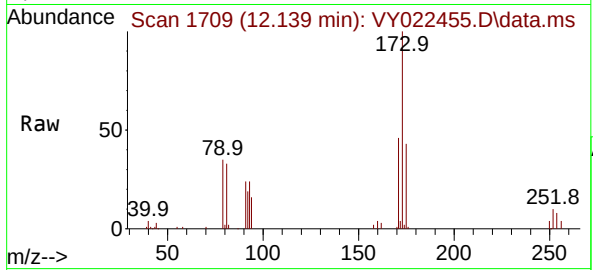
103 54.2 43.4 65.2





#71
Bromoform
Concen: 21.354 ug/l
RT: 12.139 min Scan# 1709
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

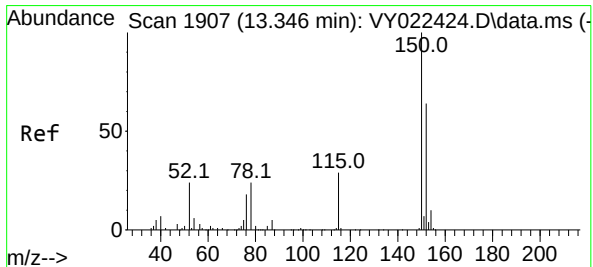
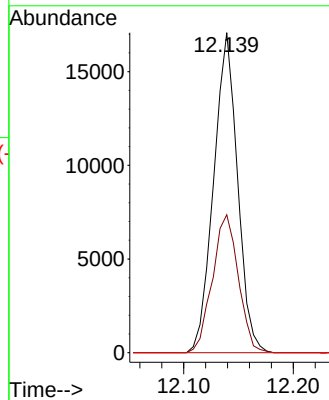
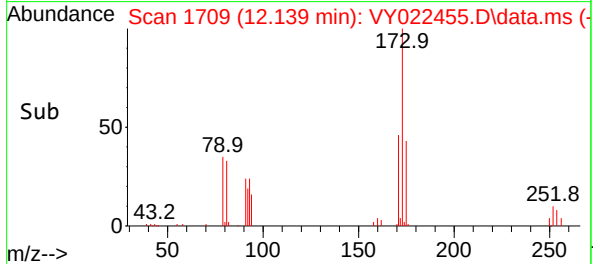
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion:173 Resp: 25838
Ion Ratio Lower Upper
173 100
175 46.8 24.3 73.0
254 0.0 0.1 0.1

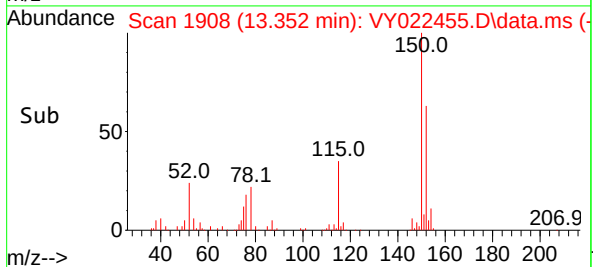
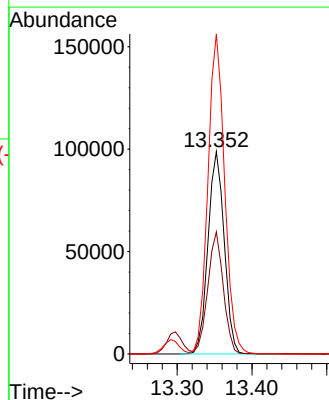
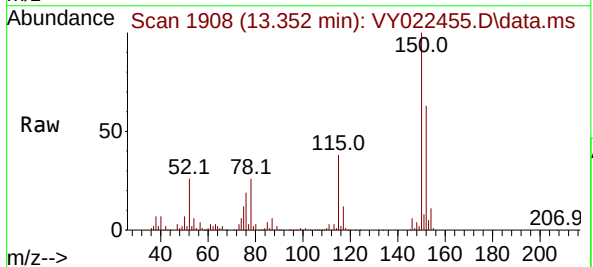
Manual Integrations
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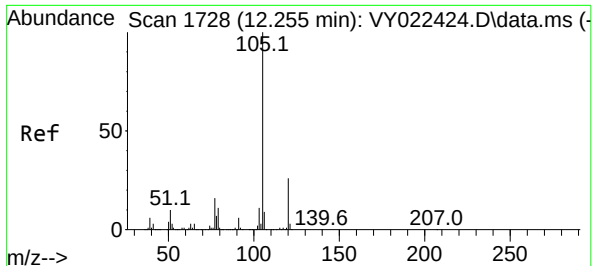
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

Tgt Ion:152 Resp: 148991
Ion Ratio Lower Upper
152 100
115 57.8 28.4 85.3
150 162.9 0.0 345.8





#73

Isopropylbenzene

Concen: 19.767 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion:105 Resp: 231788

Ion Ratio Lower Upper

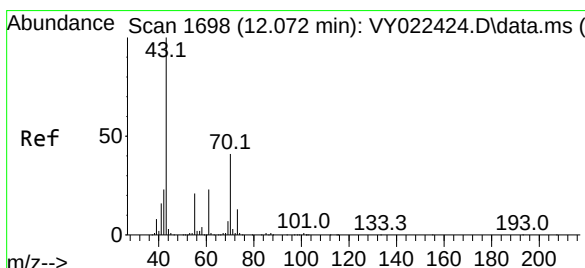
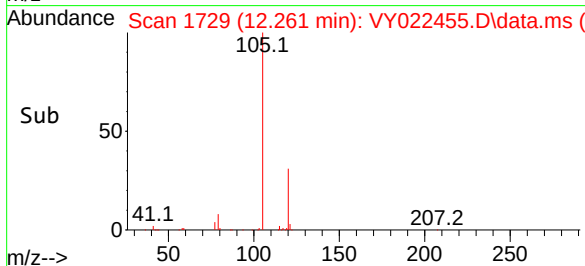
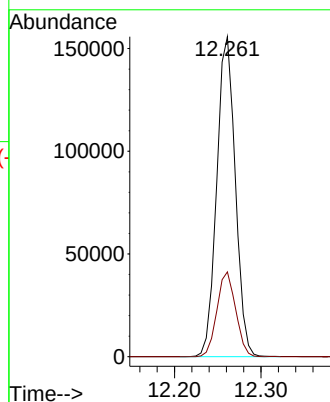
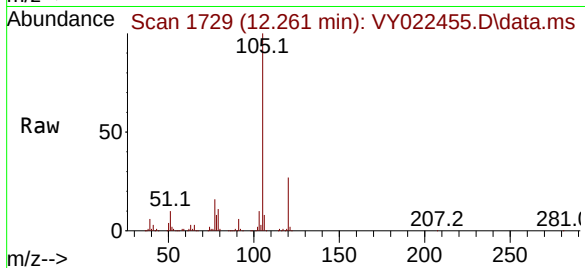
105 100

120 26.7 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#74

N-ethyl acetate

Concen: 21.723 ug/l

RT: 12.078 min Scan# 1699

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion: 43 Resp: 62329

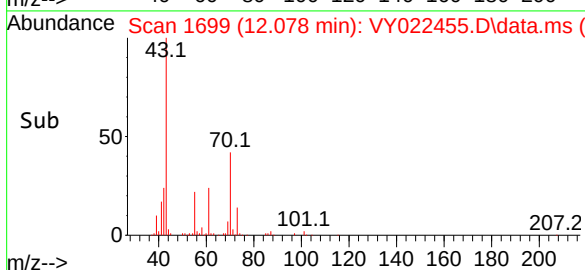
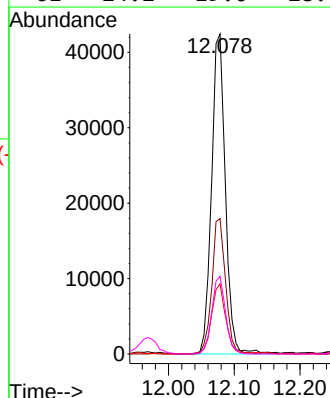
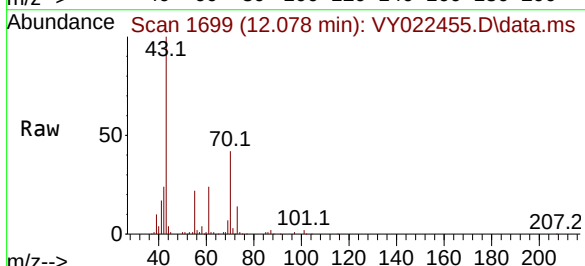
Ion Ratio Lower Upper

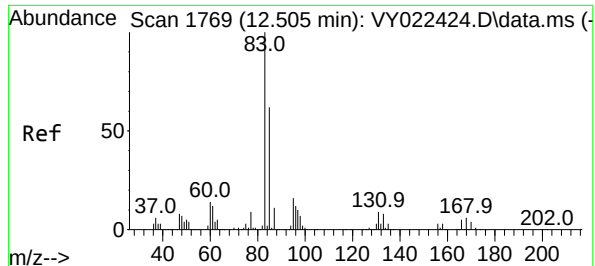
43 100

70 41.9 33.0 49.4

55 22.0 17.5 26.3

61 24.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.059 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

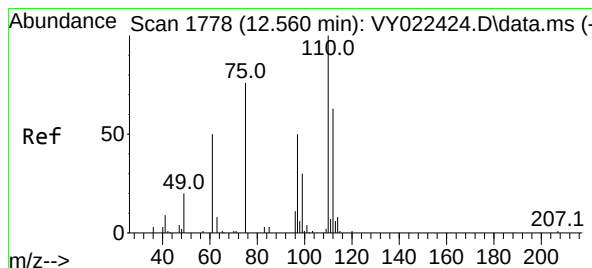
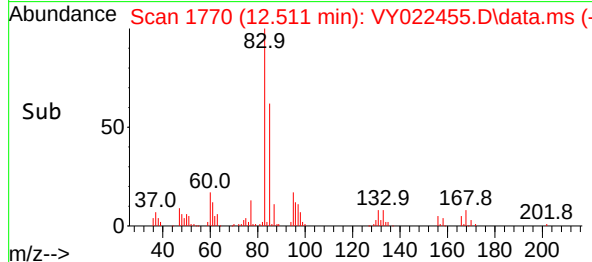
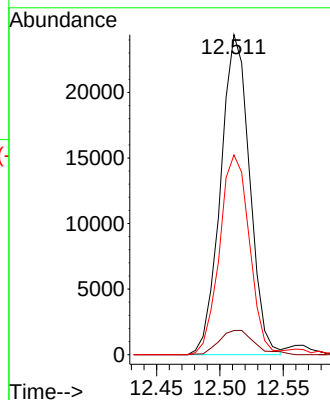
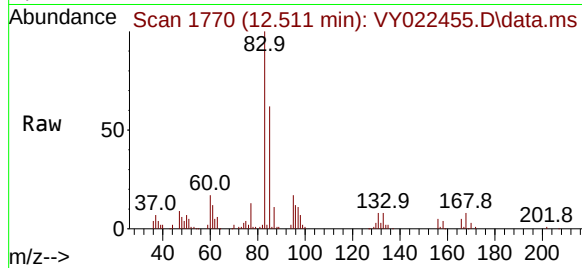
VY0529SBS01

Tgt Ion: 83	Resp: 3890
Ion Ratio	Lower Upper
83 100	
131 9.2	4.8 14.4
85 64.1	32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#76

1,2,3-Trichloropropane

Concen: 20.710 ug/l m

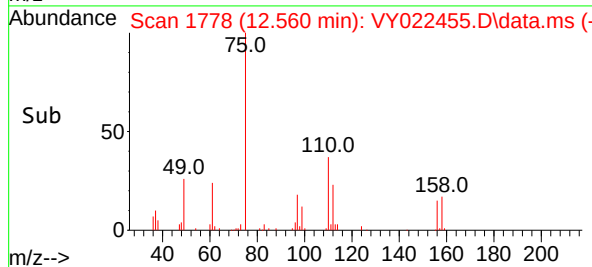
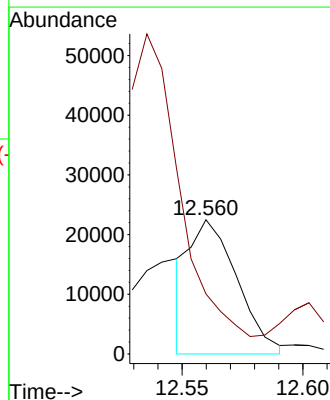
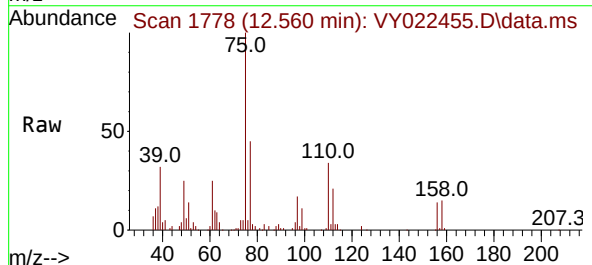
RT: 12.560 min Scan# 1778

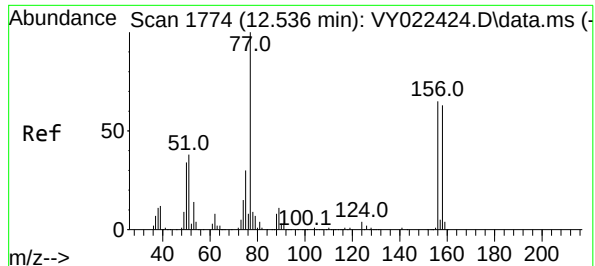
Delta R.T. -0.000 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion: 75	Resp: 30908
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#77

Bromobenzene

Concen: 19.817 ug/l

RT: 12.535 min Scan# 1774

Delta R.T. -0.000 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

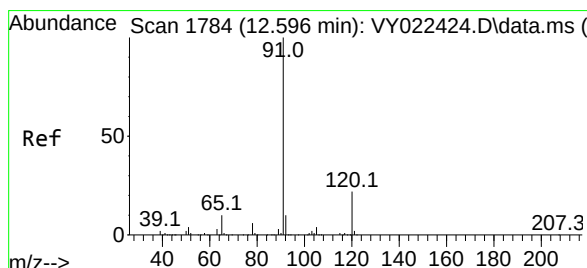
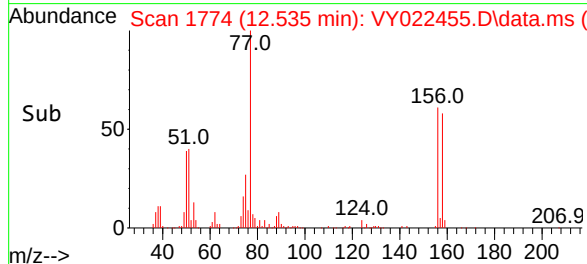
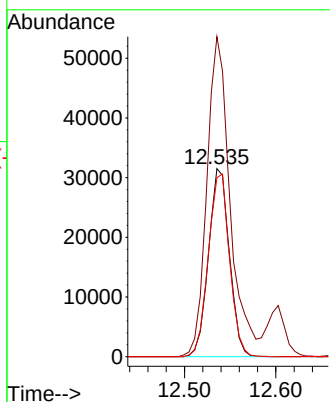
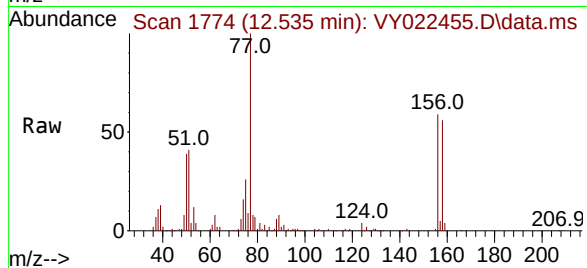
VY0529SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	188.3	91.4	274.2
158	98.8	48.1	144.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#78

n-propylbenzene

Concen: 19.904 ug/l

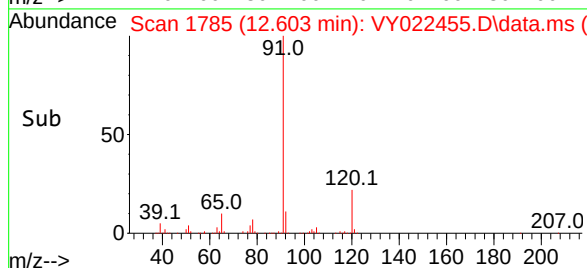
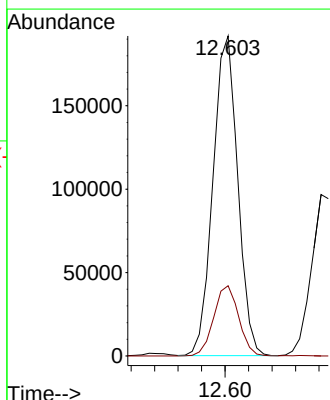
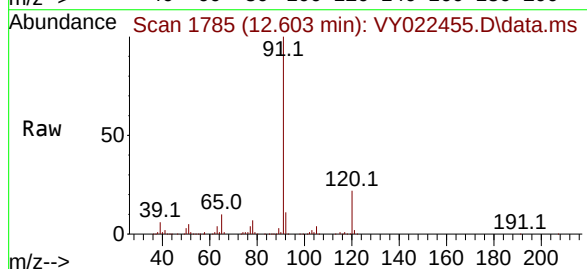
RT: 12.603 min Scan# 1785

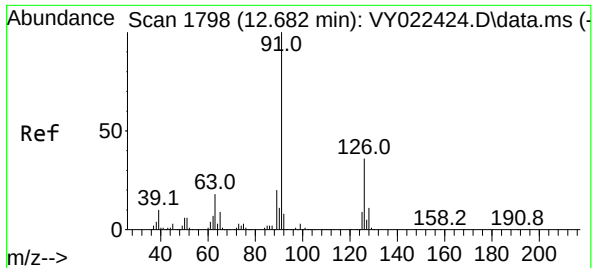
Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.683 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. -0.000 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 91 Resp: 149938

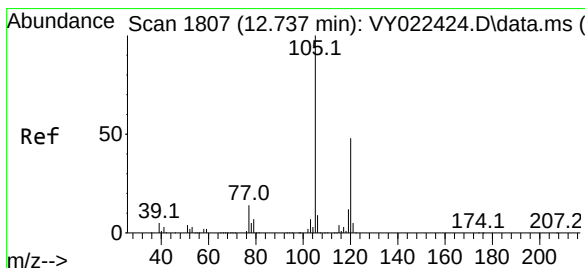
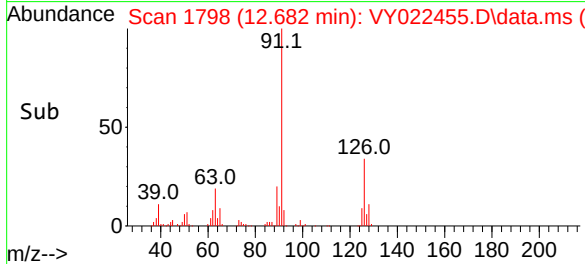
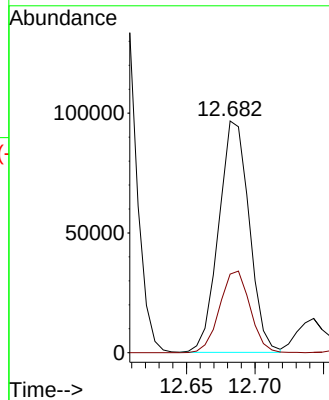
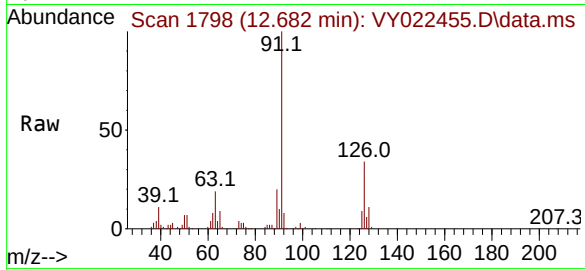
Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

#80

1,3,5-Trimethylbenzene

Concen: 19.980 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VY022455.D

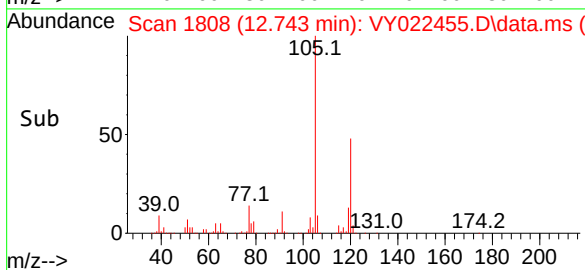
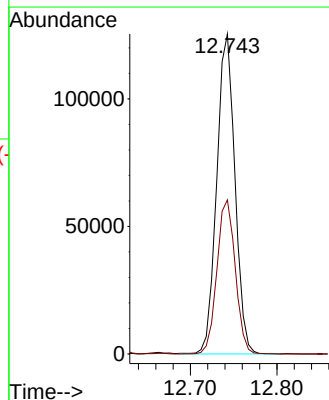
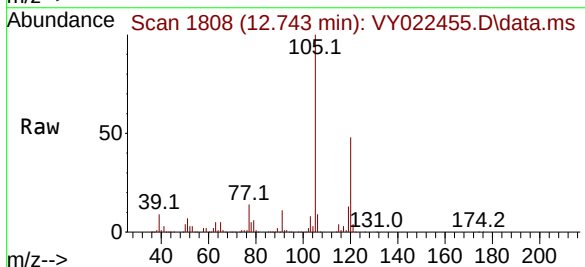
Acq: 29 May 2025 09:27

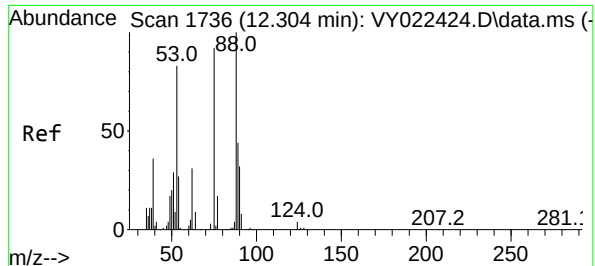
Tgt Ion:105 Resp: 183061

Ion Ratio Lower Upper

105 100

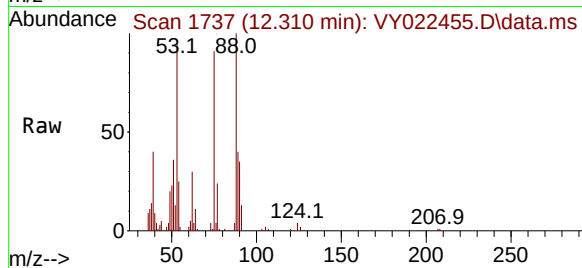
120 48.6 24.3 73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 20.711 ug/l
RT: 12.310 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

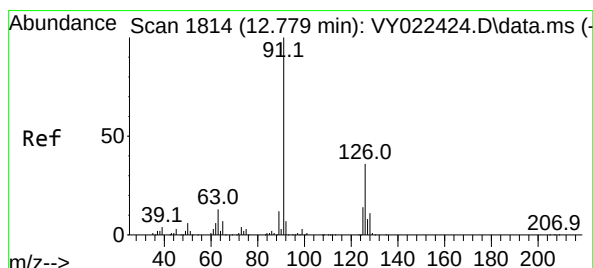
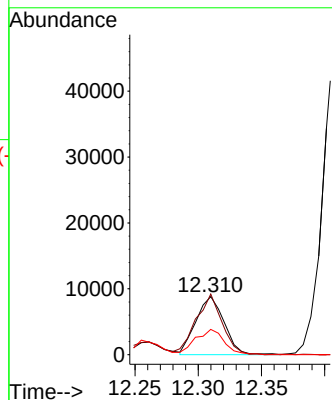
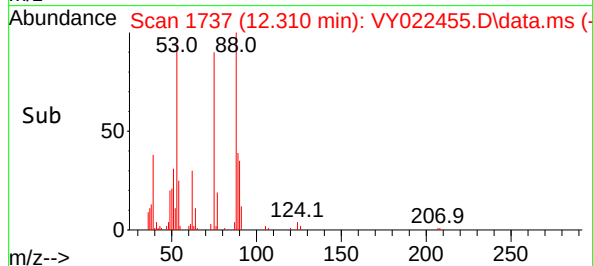
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion: 75 Resp: 1366
Ion Ratio Lower Upper
75 100
53 97.5 75.1 112.7
89 44.6 37.4 56.0

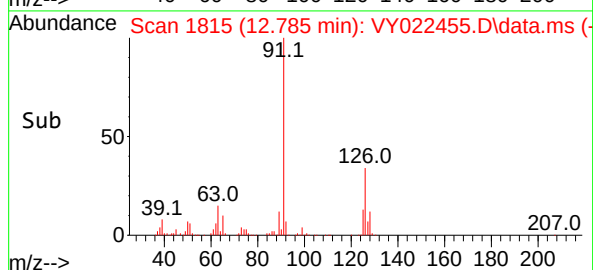
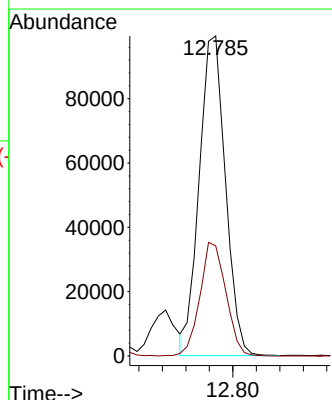
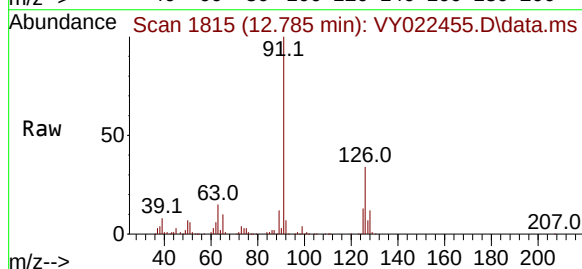
Manual Integrations
APPROVED

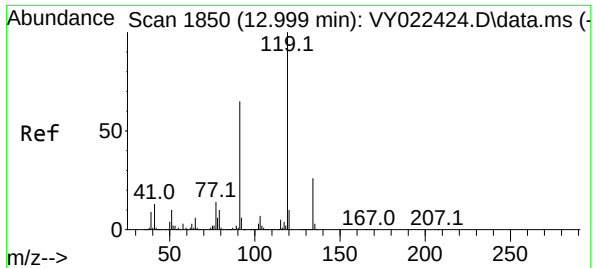
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#82
4-Chlorotoluene
Concen: 19.655 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

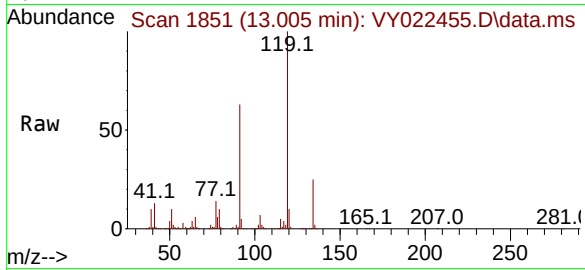
Tgt Ion: 91 Resp: 154200
Ion Ratio Lower Upper
91 100
126 35.2 17.2 51.6





#83
tert-Butylbenzene
Concen: 20.093 ug/l
RT: 13.005 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

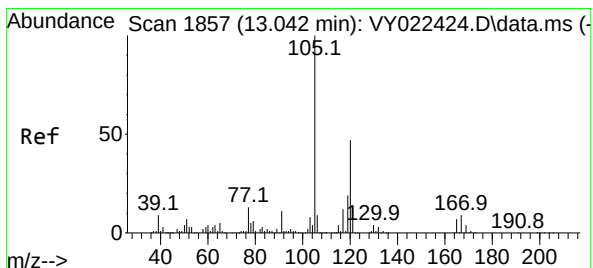
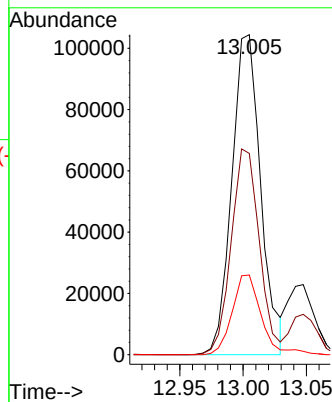
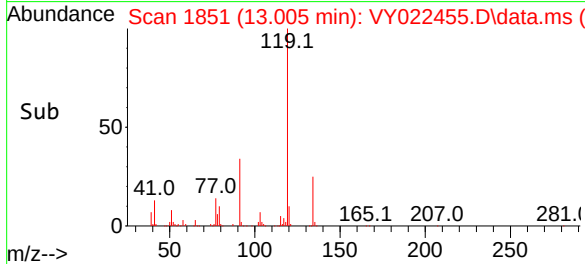
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



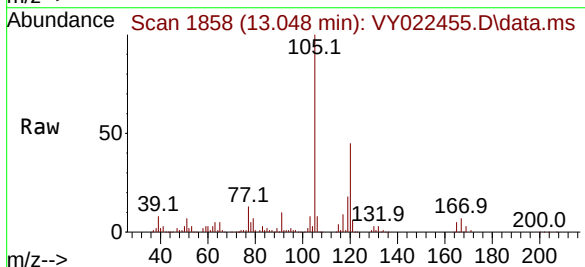
Tgt Ion:119 Resp: 166329
Ion Ratio Lower Upper
119 100
91 62.7 31.8 95.3
134 25.1 13.0 38.9

Manual Integrations
APPROVED

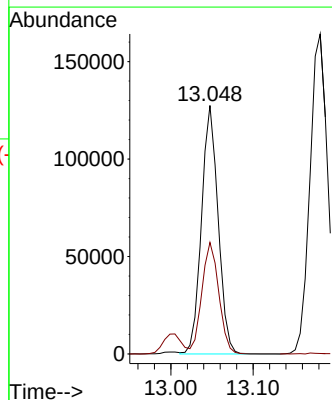
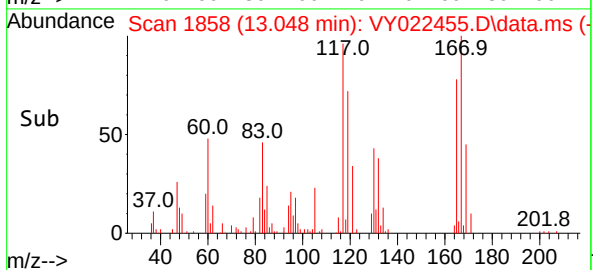
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

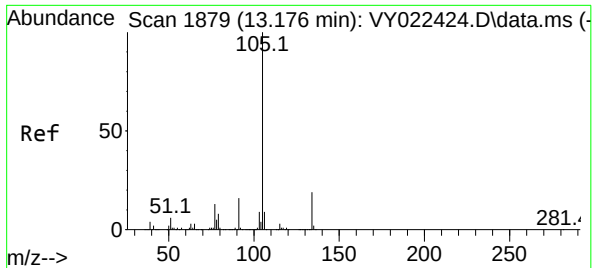


#84
1,2,4-Trimethylbenzene
Concen: 19.437 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27



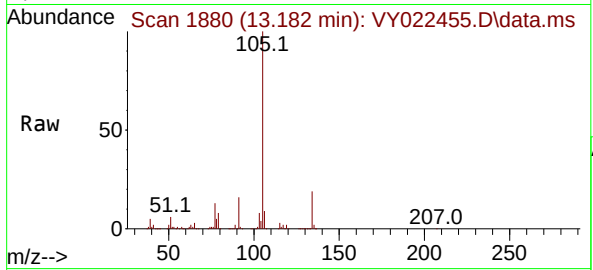
Tgt Ion:105 Resp: 179206
Ion Ratio Lower Upper
105 100
120 45.4 22.9 68.5





#85
 sec-Butylbenzene
 Concen: 20.122 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY022455.D
 Acq: 29 May 2025 09:27

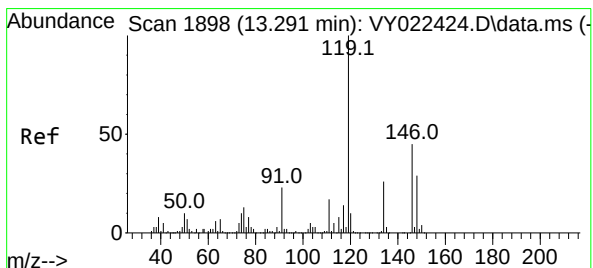
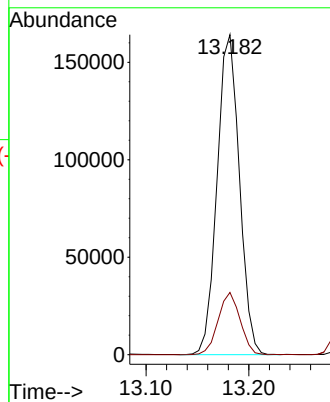
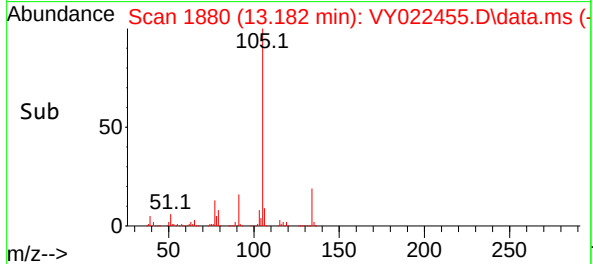
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0529SBS01



Tgt Ion:105 Resp: 247028
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1

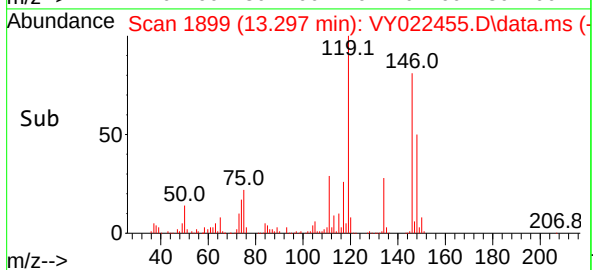
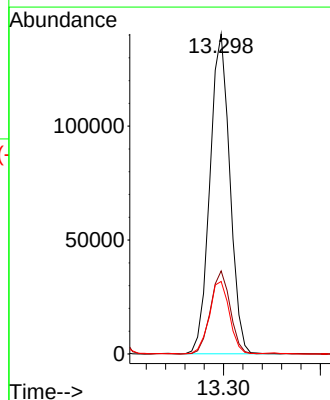
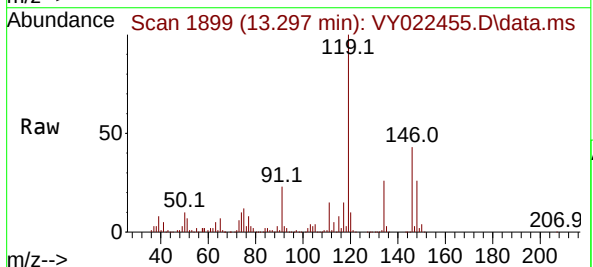
Manual Integrations
 APPROVED

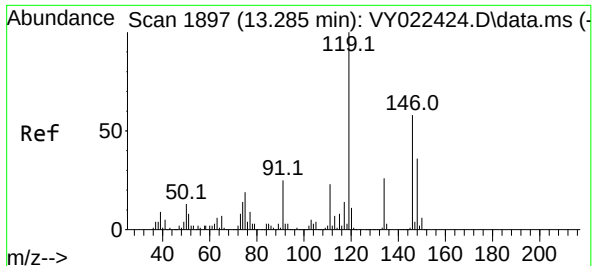
Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#86
 p-Isopropyltoluene
 Concen: 19.608 ug/l
 RT: 13.297 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VY022455.D
 Acq: 29 May 2025 09:27

Tgt Ion:119 Resp: 201014
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 39.0
 91 23.0 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 19.441 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

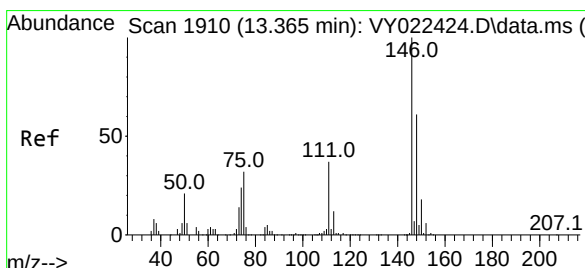
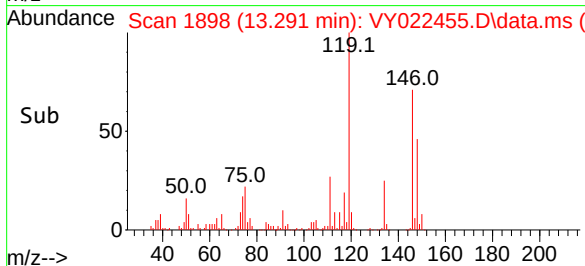
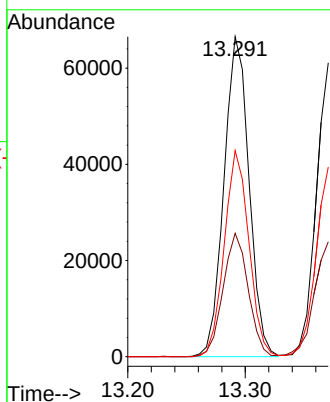
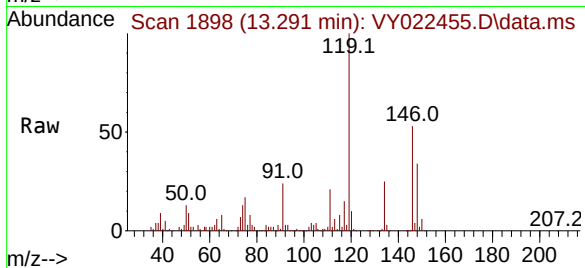
VY0529SBS01

Tgt Ion:146	Resp:	9870
Ion Ratio	Lower	Upper
146	100	
111	38.7	19.6 58.8
148	63.3	31.7 95.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#88

1,4-Dichlorobenzene

Concen: 19.745 ug/l

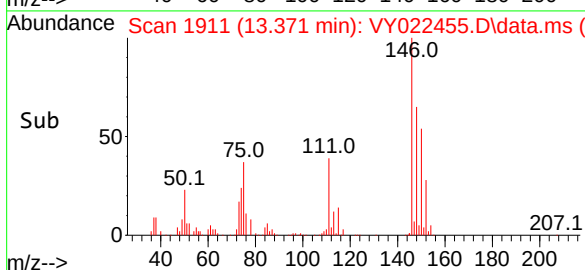
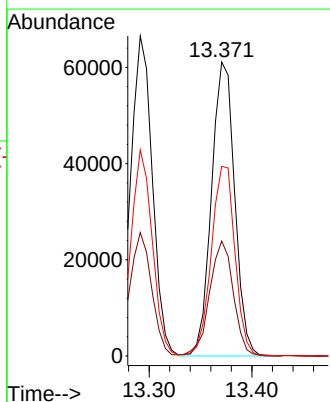
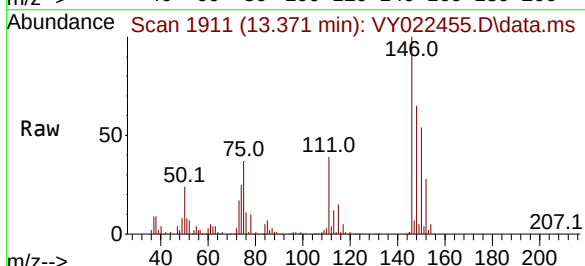
RT: 13.371 min Scan# 1911

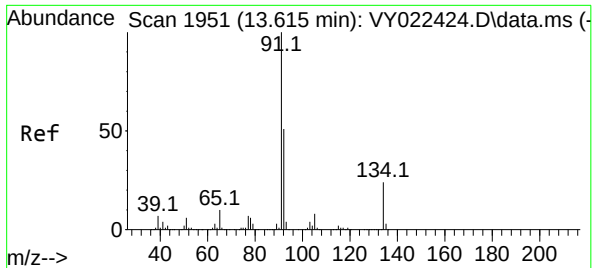
Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion:146	Resp:	95858
Ion Ratio	Lower	Upper
146	100	
111	39.9	18.7 56.1
148	65.7	31.4 94.3





#89

n-Butylbenzene

Concen: 20.100 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

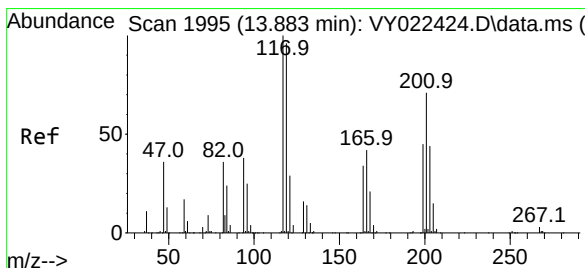
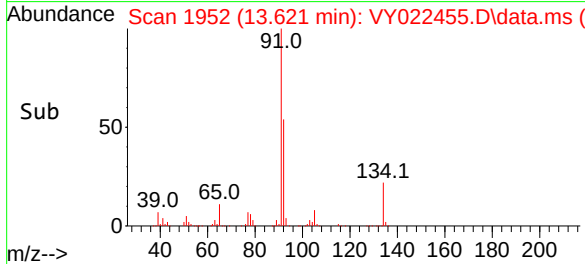
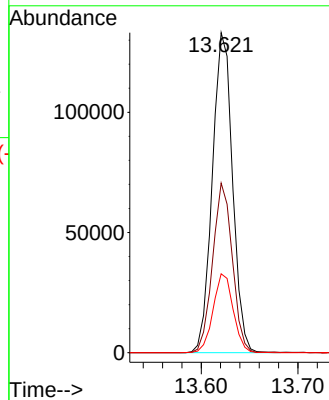
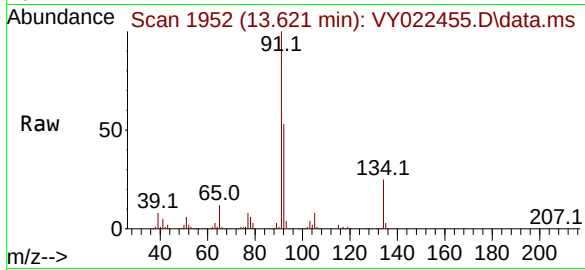
VY0529SBS01

Tgt Ion:	91	Resp:	19319
Ion Ratio	Lower	Upper	
91	100		
92	51.7	25.9	77.6
134	24.5	12.4	37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#90

Hexachloroethane

Concen: 20.240 ug/l

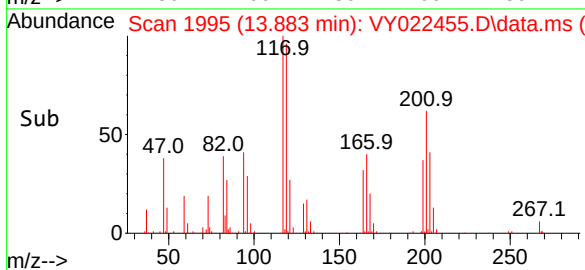
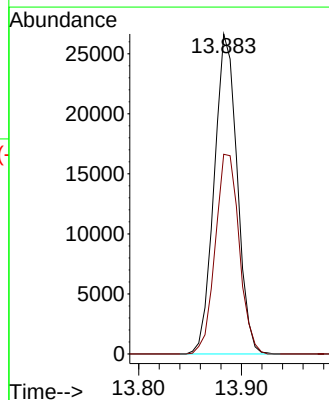
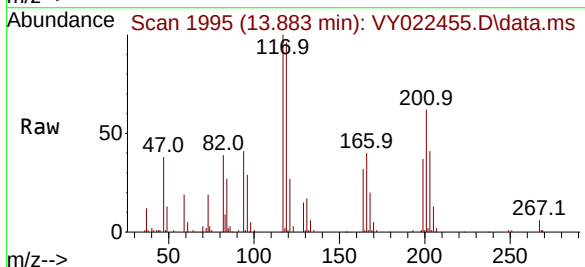
RT: 13.883 min Scan# 1995

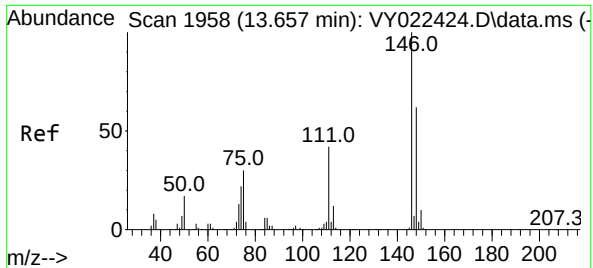
Delta R.T. -0.000 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

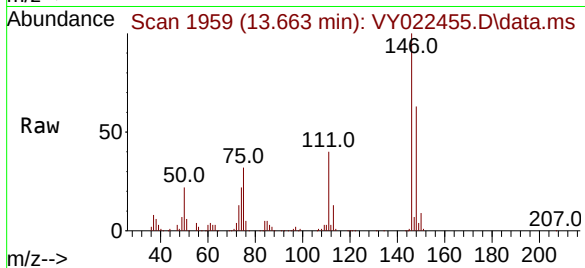
Tgt Ion:	117	Resp:	41291
Ion Ratio	Lower	Upper	
117	100		
201	65.2	35.0	105.0





#91
1,2-Dichlorobenzene
Concen: 20.310 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27

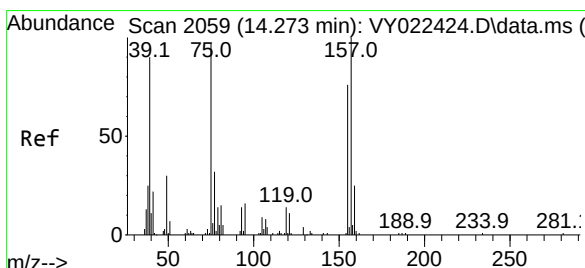
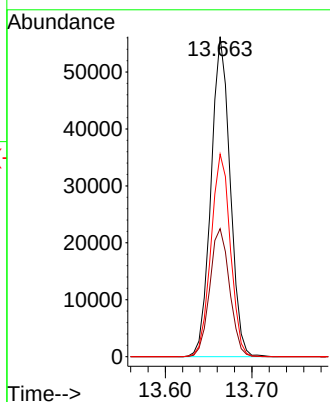
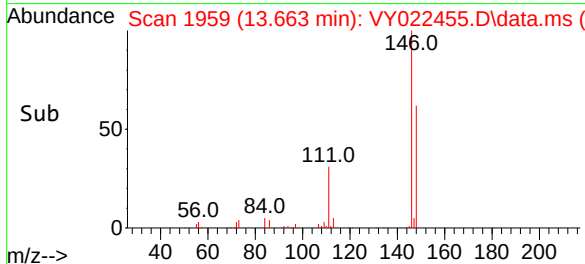
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



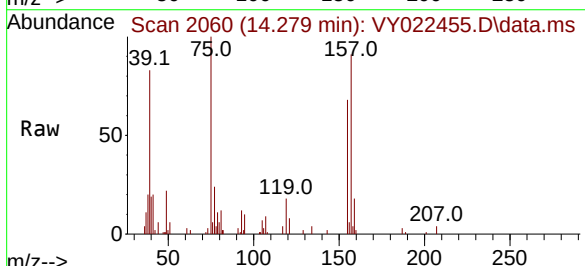
Tgt Ion:146 Resp: 86130
Ion Ratio Lower Upper
146 100
111 41.5 20.5 61.6
148 64.3 31.9 95.9

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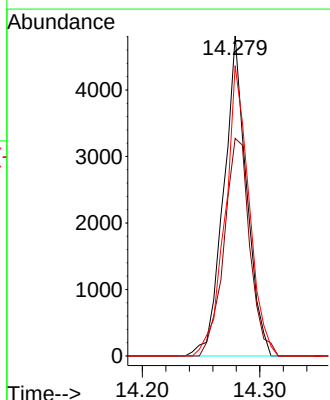
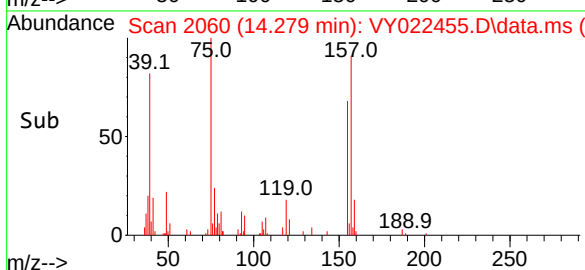
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

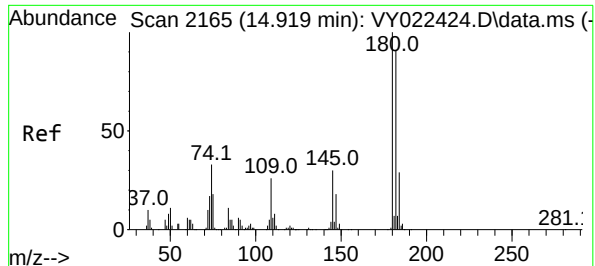


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.870 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022455.D
Acq: 29 May 2025 09:27



Tgt Ion: 75 Resp: 6529
Ion Ratio Lower Upper
75 100
155 76.5 42.3 126.8
157 94.0 54.4 163.3





#93

1,2,4-Trichlorobenzene

Concen: 19.764 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion:180 Resp: 4646

Ion Ratio Lower Upper

180 100

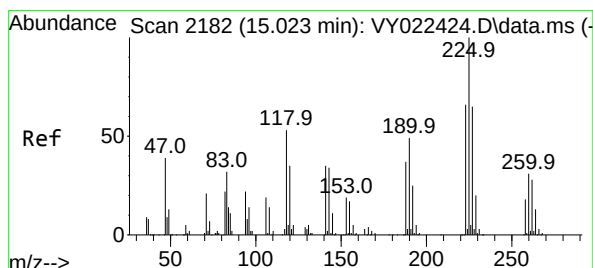
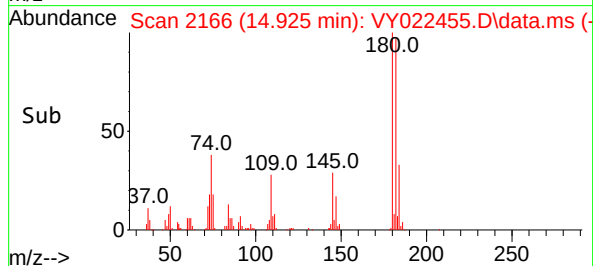
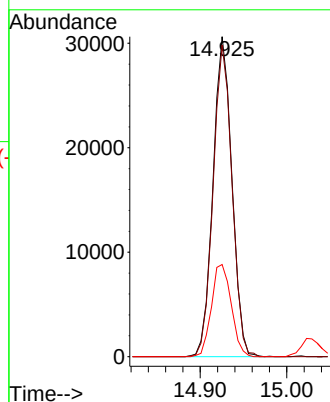
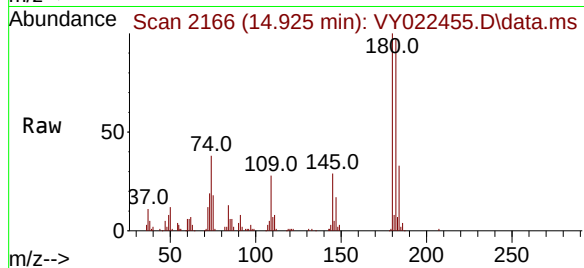
182 97.0 46.2 138.6

145 30.2 14.2 42.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#94

Hexachlorobutadiene

Concen: 20.624 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

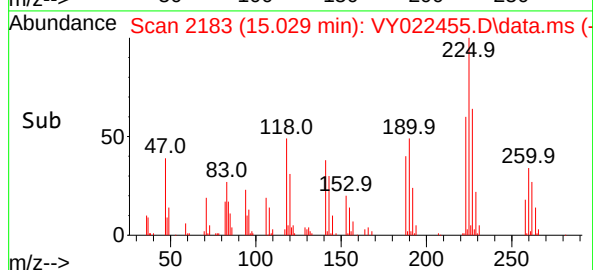
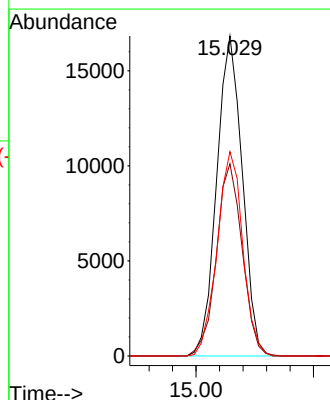
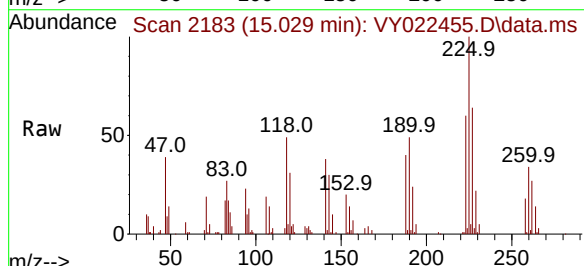
Tgt Ion:225 Resp: 25447

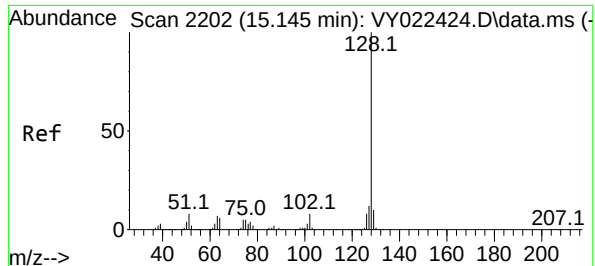
Ion Ratio Lower Upper

225 100

223 60.5 32.6 97.7

227 63.9 33.0 99.0





#95

Naphthalene

Concen: 20.906 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Instrument :

MSVOA_Y

ClientSampleId :

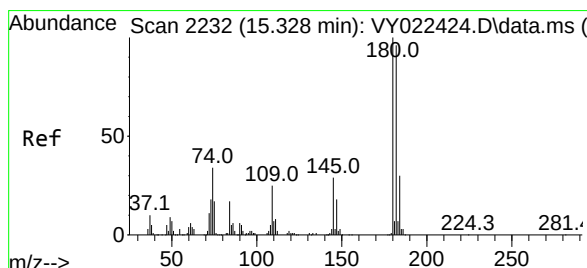
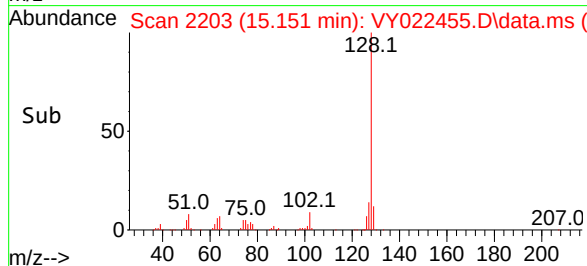
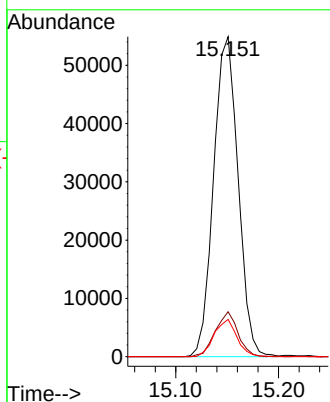
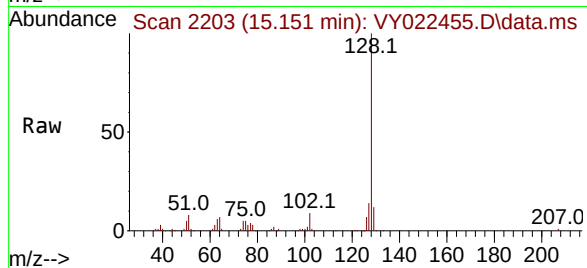
VY0529SBS01

Tgt Ion:128	Resp:	9086
Ion Ratio	Lower	Upper
128	100	
127	13.0	10.2 15.4
129	10.8	8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.606 ug/l

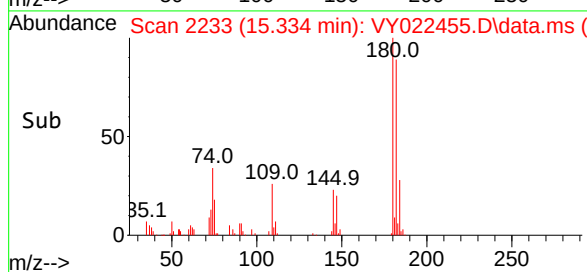
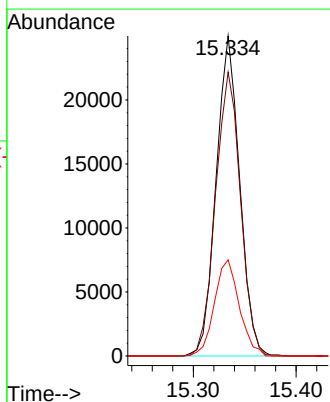
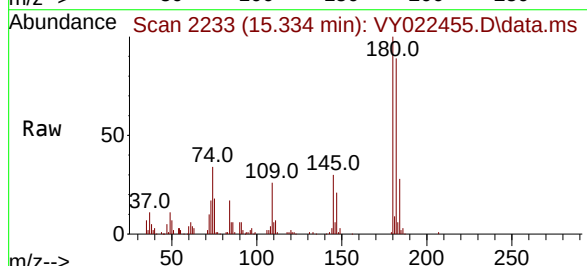
RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY022455.D

Acq: 29 May 2025 09:27

Tgt Ion:180	Resp:	39732
Ion Ratio	Lower	Upper
180	100	
182	94.0	48.1 144.3
145	31.7	14.9 44.5



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0602SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
	ID :	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022500.D	1		06/02/25 16:24	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	87.0		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	96.6		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	20.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.1		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.3		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.5		0.91	5.00	ug/Kg
71-43-2	Benzene	20.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0602SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
	ID :	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022500.D	1		06/02/25 16:24	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.8		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		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	96.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		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	39.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.6		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	51.9		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		17 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	202000	7.713			
540-36-3	1,4-Difluorobenzene	343000	8.616			
3114-55-4	Chlorobenzene-d5	291000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.347			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0602SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022500.D	1		06/02/25 16:24	VY060225

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\VY060225\
 Data File : VY022500.D
 Acq On : 02 Jun 2025 16:24
 Operator : SY/MD
 Sample : VY0602SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0602SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/03/2025
 Supervised By : Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 04:06:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	201633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	136847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114608	50.821	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.640%			
35) Dibromofluoromethane	7.634	113	105595	51.616	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.240%			
50) Toluene-d8	10.109	98	428859	51.881	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.408	95	124988	50.748	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	39935	22.122	ug/l	96
3) Chloromethane	2.068	50	101674	19.065	ug/l	96
4) Vinyl Chloride	2.202	62	126839	20.502	ug/l	99
5) Bromomethane	2.592	94	128977	21.751	ug/l	99
6) Chloroethane	2.733	64	88378	20.812	ug/l	94
7) Trichlorofluoromethane	3.050	101	116559	22.193	ug/l	95
8) Diethyl Ether	3.458	74	24924	21.072	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	45942	20.769	ug/l	99
10) Methyl Iodide	4.007	142	40495	16.916	ug/l	99
11) Tert butyl alcohol	4.872	59	16403	101.837	ug/l #	94
12) 1,1-Dichloroethene	3.787	96	43373	20.513	ug/l	97
13) Acrolein	3.653	56	21372	106.469	ug/l	99
14) Allyl chloride	4.385	41	67622	20.372	ug/l	98
15) Acrylonitrile	5.067	53	51228	102.265	ug/l	100
16) Acetone	3.873	43	39865	87.044	ug/l	100
17) Carbon Disulfide	4.110	76	137329	20.286	ug/l	99
18) Methyl Acetate	4.391	43	29232	21.554	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	122005	20.486	ug/l	96
20) Methylene Chloride	4.616	84	49679	19.096	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	49459	20.900	ug/l	90
22) Diisopropyl ether	6.019	45	154177	20.867	ug/l	98
23) Vinyl Acetate	5.958	43	438115	100.183	ug/l	96
24) 1,1-Dichloroethane	5.921	63	89731	20.615	ug/l	100
25) 2-Butanone	6.896	43	63810	96.591	ug/l	99
26) 2,2-Dichloropropane	6.884	77	78015	20.285	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	56961	20.824	ug/l	97
28) Bromochloromethane	7.244	49	38081	20.070	ug/l	99
29) Tetrahydrofuran	7.268	42	42953	100.809	ug/l	99
30) Chloroform	7.427	83	90548	21.002	ug/l	92
31) Cyclohexane	7.701	56	87597	20.214	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	81457	21.283	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67552	20.345	ug/l	100
37) Ethyl Acetate	6.988	43	30209	20.402	ug/l	99
38) Carbon Tetrachloride	7.817	117	68070	19.984	ug/l	99
39) Methylcyclohexane	9.109	83	91254	20.451	ug/l	98
40) Benzene	8.079	78	201994	20.597	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022500.D
 Acq On : 02 Jun 2025 16:24
 Operator : SY/MD
 Sample : VY0602SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0602SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 04:06:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	15554	17.984	ug/l #	85
42) 1,2-Dichloroethane	8.158	62	55244	20.631	ug/l	100
43) Isopropyl Acetate	8.201	43	63478	19.850	ug/l	99
44) Trichloroethene	8.866	130	49225	20.538	ug/l	98
45) 1,2-Dichloropropane	9.140	63	48255	20.820	ug/l	98
46) Dibromomethane	9.231	93	26738	20.506	ug/l	98
47) Bromodichloromethane	9.426	83	69412	20.994	ug/l	98
48) Methyl methacrylate	9.219	41	29530	19.675	ug/l	98
49) 1,4-Dioxane	9.237	88	5855	379.032	ug/l #	92
51) 4-Methyl-2-Pentanone	10.000	43	157411	98.730	ug/l	98
52) Toluene	10.170	92	123267	20.002	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	61460	19.840	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	73669	20.429	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	33530	20.167	ug/l	95
56) Ethyl methacrylate	10.438	69	47531	19.779	ug/l	100
57) 1,3-Dichloropropane	10.719	76	60889	20.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	105730	96.908	ug/l	100
59) 2-Hexanone	10.762	43	102819	96.426	ug/l	99
60) Dibromochloromethane	10.914	129	42049	19.901	ug/l	98
61) 1,2-Dibromoethane	11.018	107	31360	20.694	ug/l	99
64) Tetrachloroethene	10.646	164	52041	20.762	ug/l	98
65) Chlorobenzene	11.444	112	130814	20.287	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.518	131	42902	19.751	ug/l	99
67) Ethyl Benzene	11.518	91	236616	19.784	ug/l	98
68) m/p-Xylenes	11.627	106	179501	39.592	ug/l	99
69) o-Xylene	11.957	106	84353	19.844	ug/l	99
70) Styrene	11.969	104	136180	19.381	ug/l	98
71) Bromoform	12.133	173	22650	19.595	ug/l #	98
73) Isopropylbenzene	12.255	105	220709	19.645	ug/l	98
74) N-amyl acetate	12.072	43	53050	18.714	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	37051	20.093	ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	27956m	17.857	ug/l	
77) Bromobenzene	12.530	156	45984	19.395	ug/l	95
78) n-propylbenzene	12.597	91	271685	19.799	ug/l	99
79) 2-Chlorotoluene	12.682	91	143224	19.693	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	172628	19.571	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	12535	19.335	ug/l	96
82) 4-Chlorotoluene	12.780	91	147519	19.662	ug/l	100
83) tert-Butylbenzene	12.999	119	159035	20.089	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	172573	19.562	ug/l	100
85) sec-Butylbenzene	13.176	105	238665	19.684	ug/l	99
86) p-Isopropyltoluene	13.292	119	195572	19.569	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	92264	19.207	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	91384	19.614	ug/l	99
89) n-Butylbenzene	13.615	91	187105	19.733	ug/l	99
90) Hexachloroethane	13.883	117	40235	20.679	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	81675	20.026	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5636	20.993	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	46082	20.717	ug/l	98
94) Hexachlorobutadiene	15.023	225	26078	21.241	ug/l	97
95) Naphthalene	15.145	128	86538	20.273	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39996	20.981	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022500.D
Acq On : 02 Jun 2025 16:24
Operator : SY/MD
Sample : VY0602SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 04:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

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

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

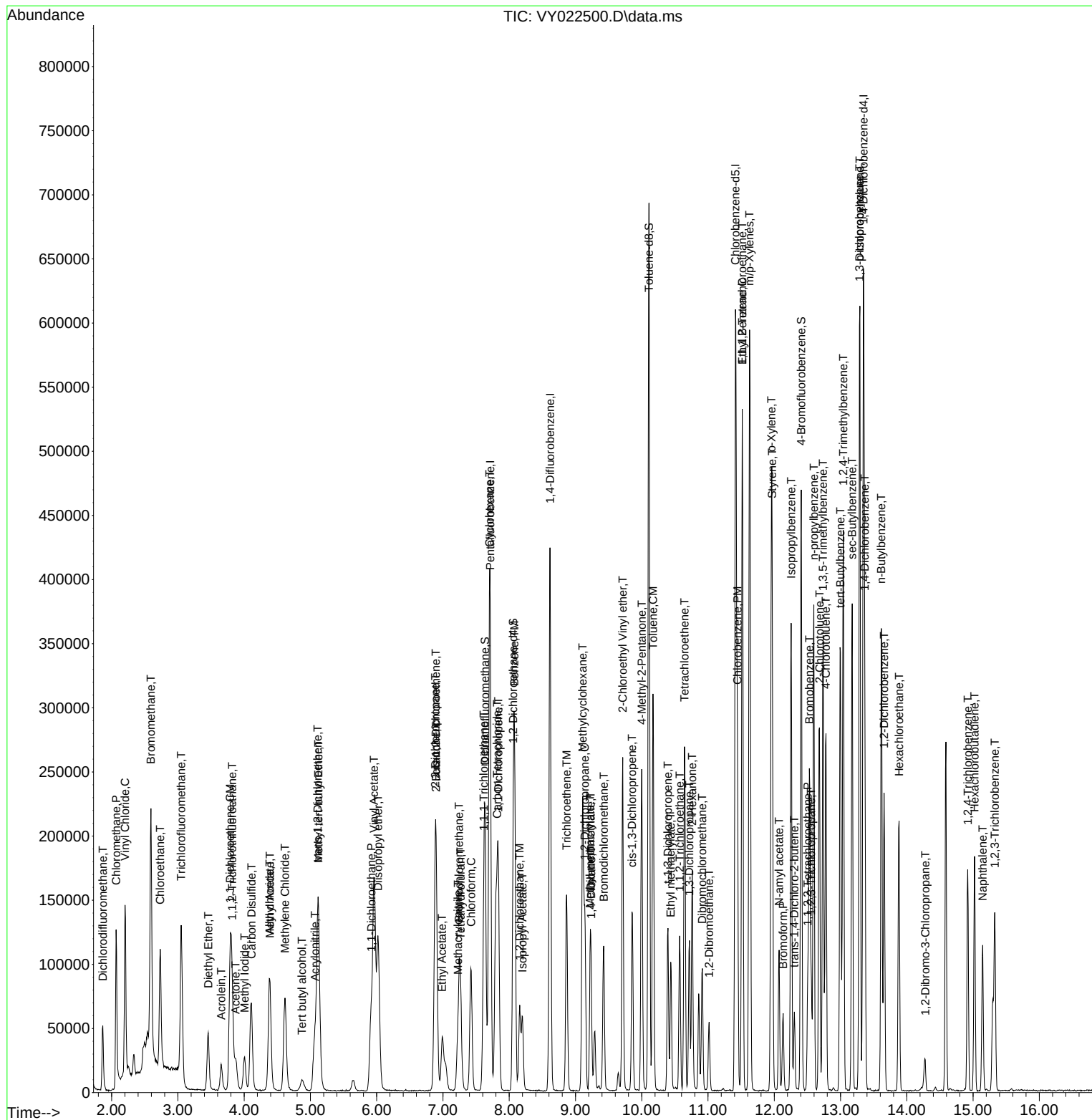
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Data File : VY022500.D
Acq On : 02 Jun 2025 16:24
Operator : SY/MD
Sample : VY0602SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

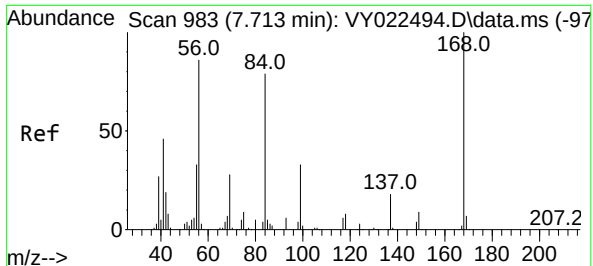
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

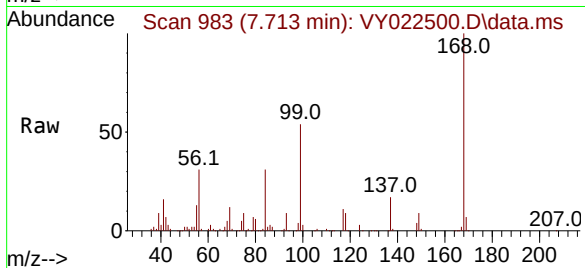
Quant Time: Jun 03 04:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

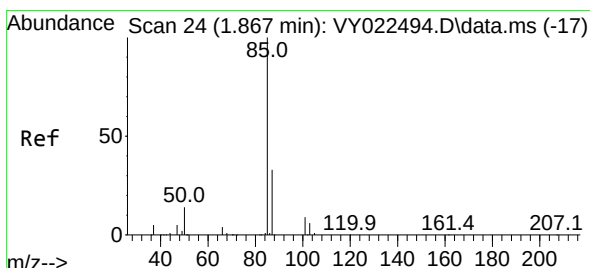
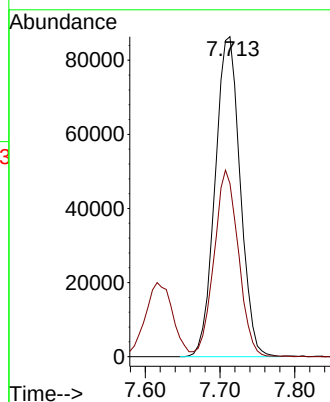
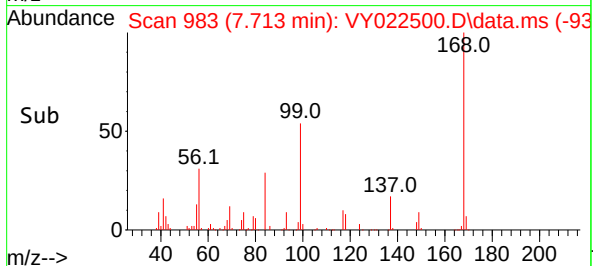
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



Tgt Ion: 168 Resp: 20163
Ion Ratio Lower Upper
168 100
99 53.9 44.3 66.5

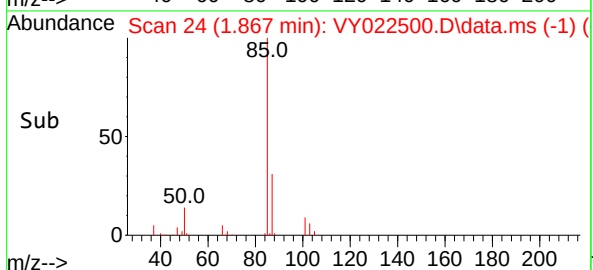
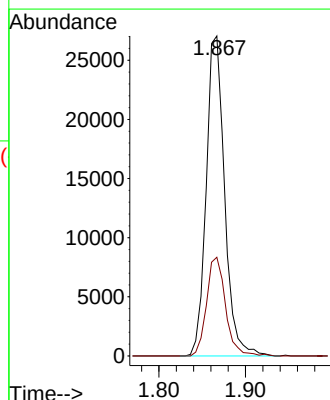
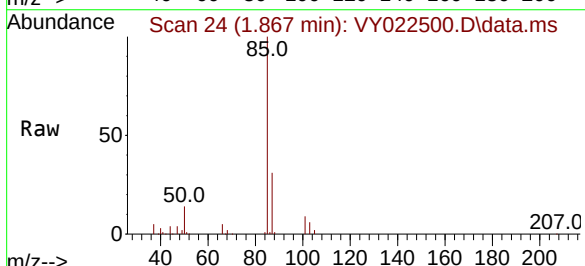
Manual Integrations
APPROVED

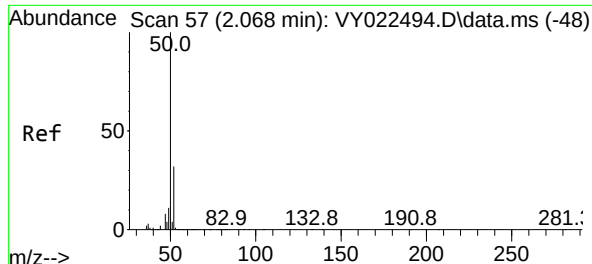
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#2
Dichlorodifluoromethane
Concen: 22.122 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

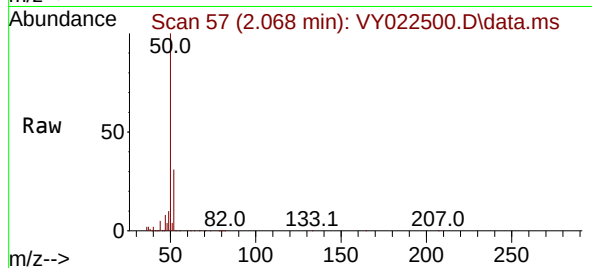
Tgt Ion: 85 Resp: 39935
Ion Ratio Lower Upper
85 100
87 30.8 16.7 50.0





#3
Chloromethane
Concen: 19.065 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

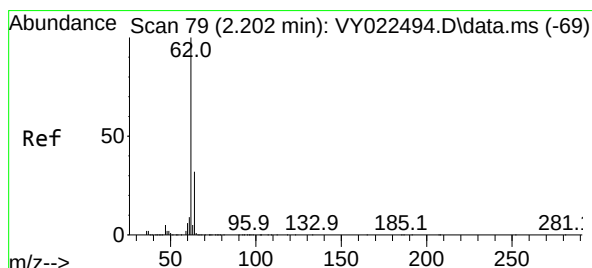
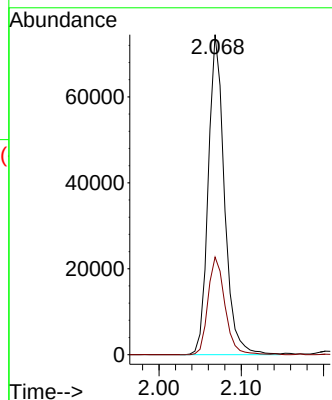
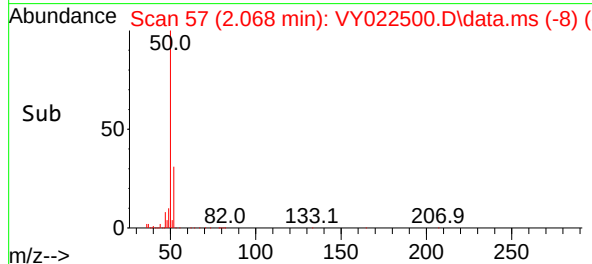
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



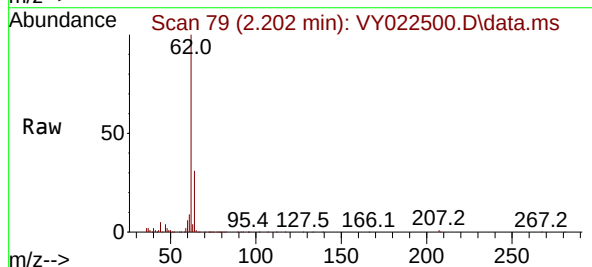
Tgt Ion: 50 Resp: 101674
Ion Ratio Lower Upper
50 100
52 30.5 26.0 39.0

Manual Integrations
APPROVED

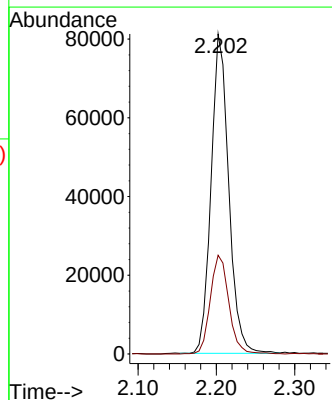
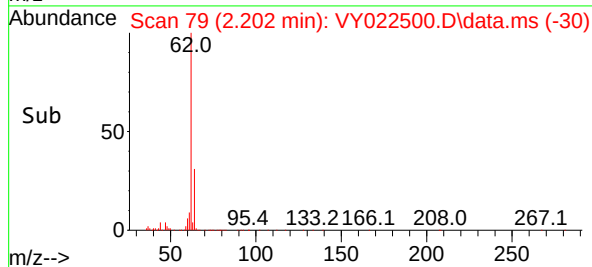
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

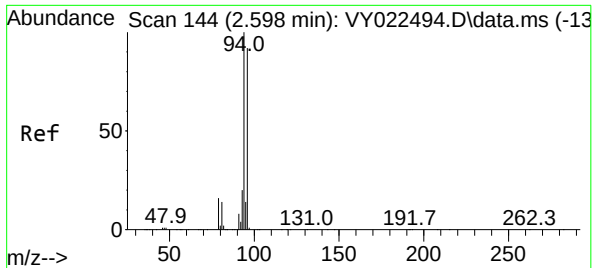


#4
Vinyl Chloride
Concen: 20.502 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24



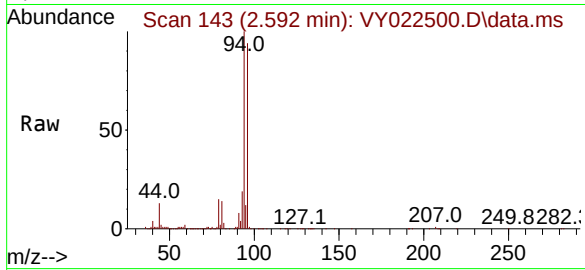
Tgt Ion: 62 Resp: 126839
Ion Ratio Lower Upper
62 100
64 30.9 25.3 37.9





#5
Bromomethane
Concen: 21.751 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

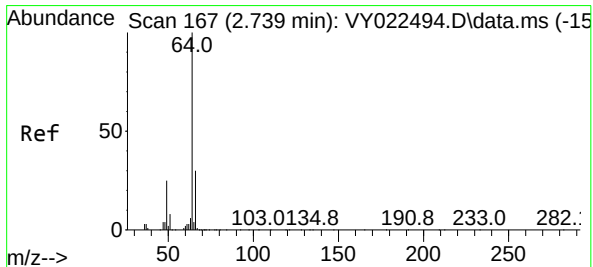
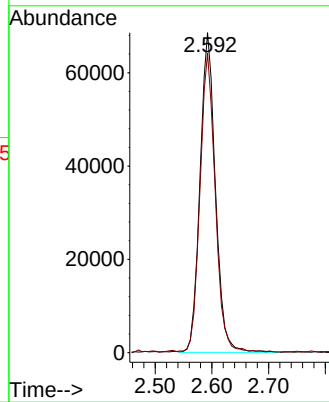
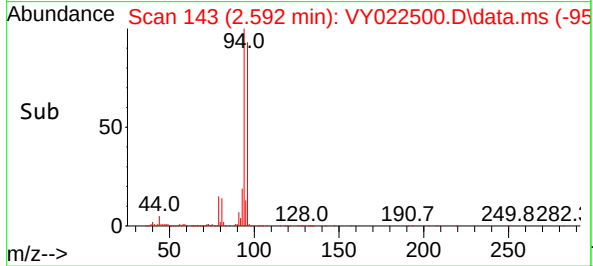
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



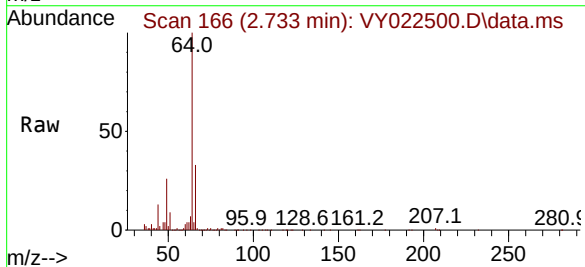
Tgt Ion: 94 Resp: 12897
Ion Ratio Lower Upper
94 100
96 93.4 74.0 111.0

Manual Integrations
APPROVED

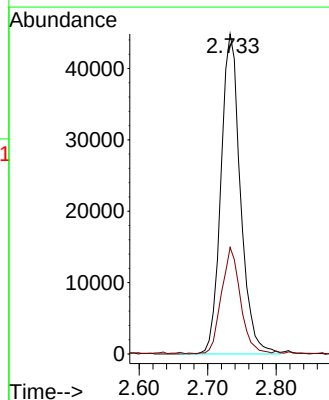
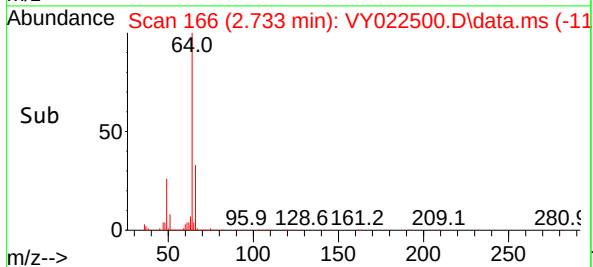
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

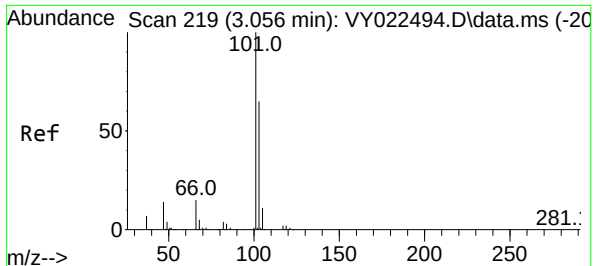


#6
Chloroethane
Concen: 20.812 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24



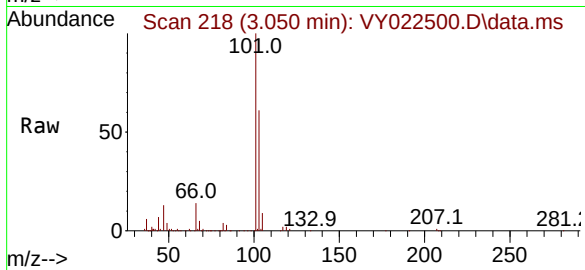
Tgt Ion: 64 Resp: 88378
Ion Ratio Lower Upper
64 100
66 33.0 23.8 35.6





#7
Trichlorofluoromethane
Concen: 22.193 ug/l
RT: 3.050 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

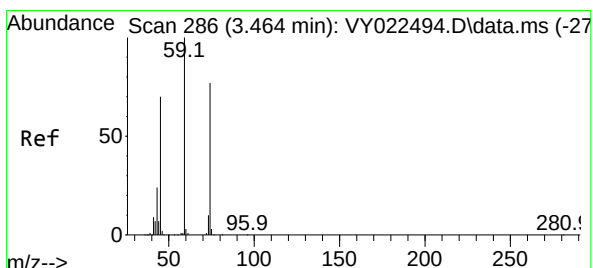
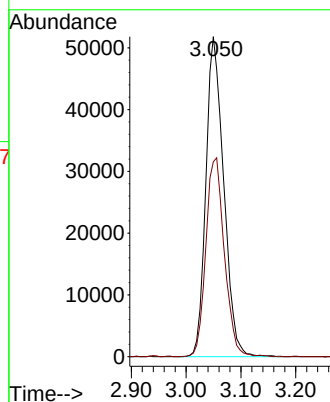
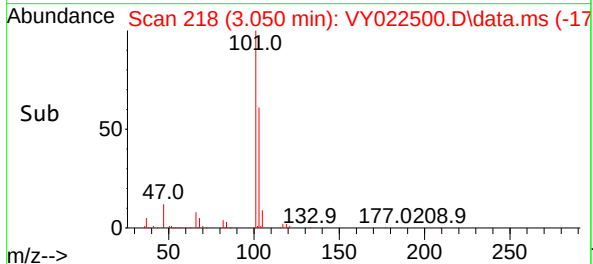
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



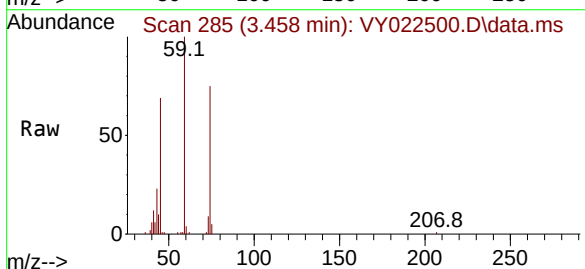
Tgt Ion:101 Resp: 11655
Ion Ratio Lower Upper
101 100
103 60.9 52.2 78.2

Manual Integrations
APPROVED

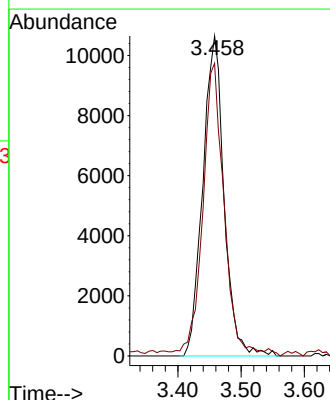
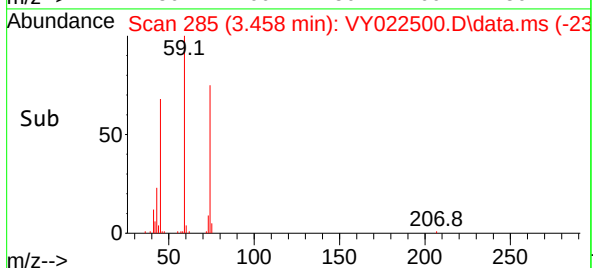
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

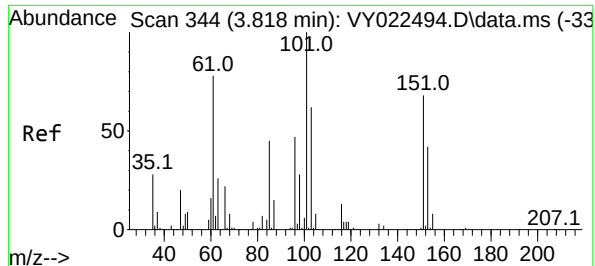


#8
Diethyl Ether
Concen: 21.072 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24



Tgt Ion: 74 Resp: 24924
Ion Ratio Lower Upper
74 100
45 86.3 45.9 137.6





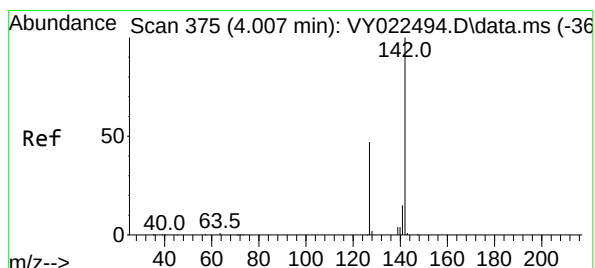
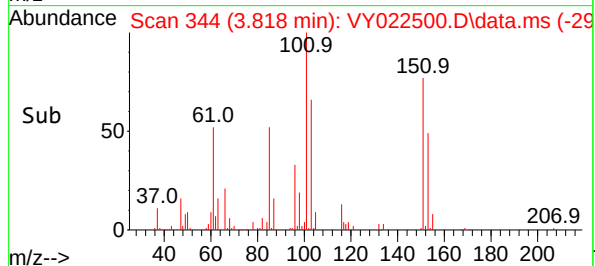
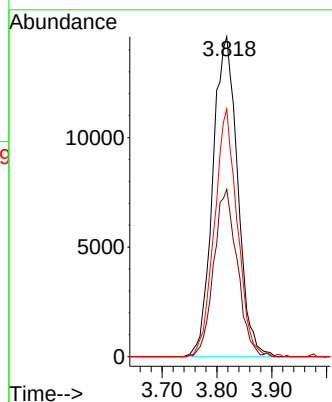
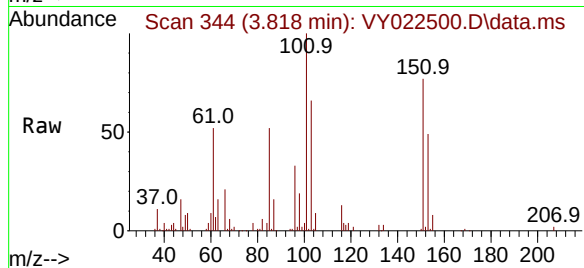
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.769 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Tgt Ion:101 Resp: 4594
Ion Ratio Lower Upper
101 100
85 49.6 39.3 58.9
151 71.4 57.8 86.8

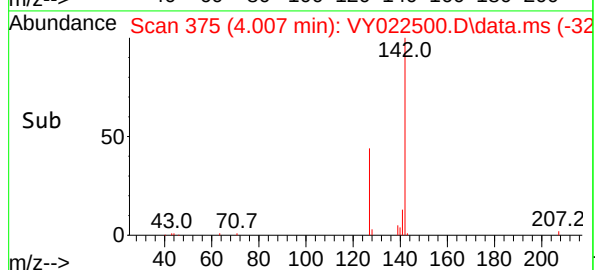
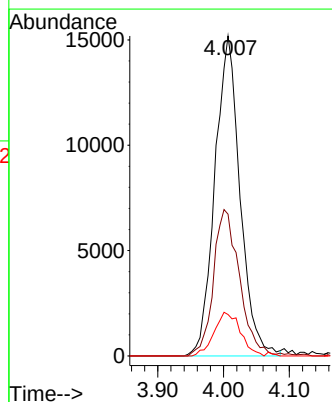
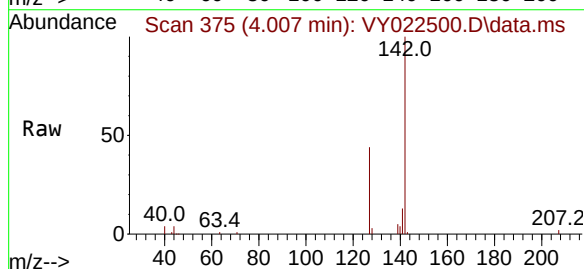
Manual Integrations
APPROVED

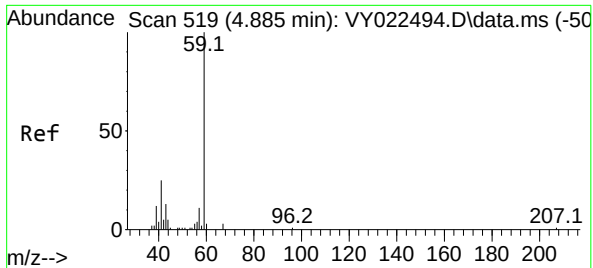
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#10
Methyl Iodide
Concen: 16.916 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:142 Resp: 40495
Ion Ratio Lower Upper
142 100
127 47.1 37.1 55.7
141 14.2 11.4 17.2





#11

Tert butyl alcohol

Concen: 101.837 ug/l

RT: 4.872 min Scan# 519

Delta R.T. -0.012 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 59 Resp: 1640

Ion Ratio Lower Upper

59 100

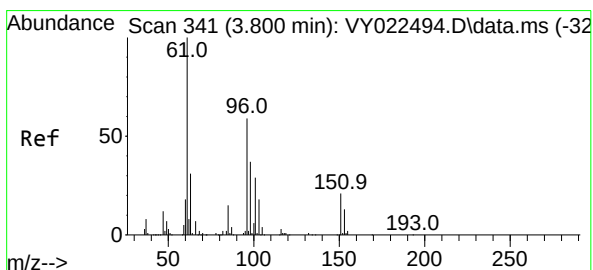
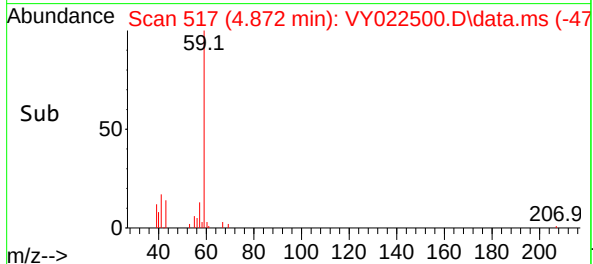
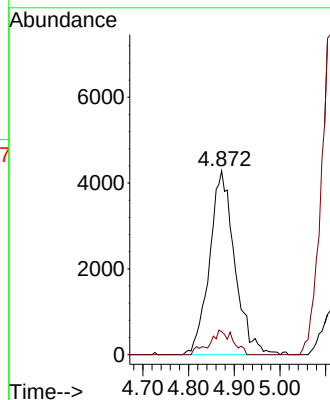
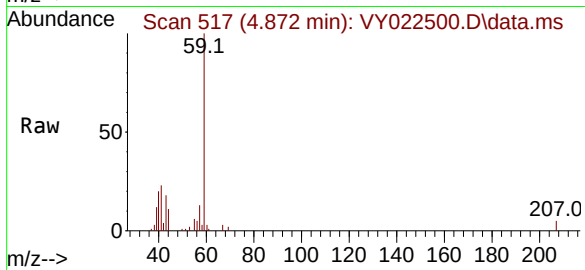
57 12.4 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#12

1,1-Dichloroethene

Concen: 20.513 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.012 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

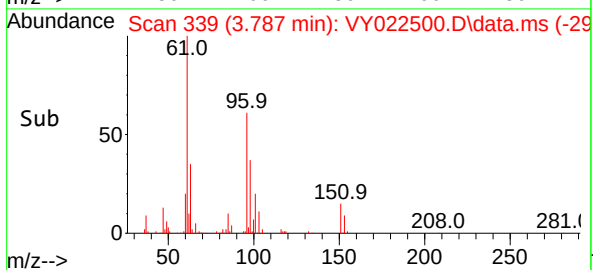
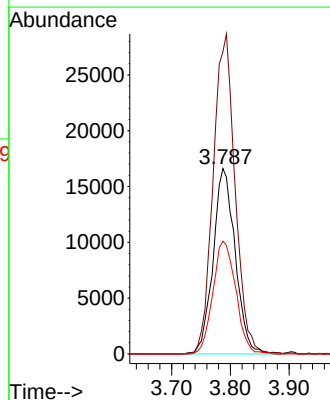
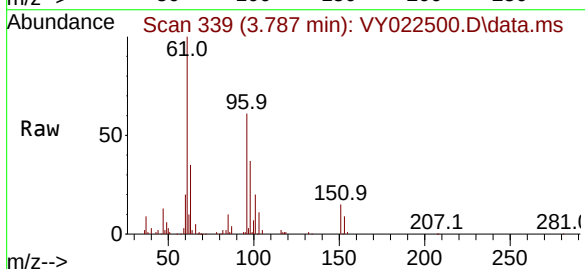
Tgt Ion: 96 Resp: 43373

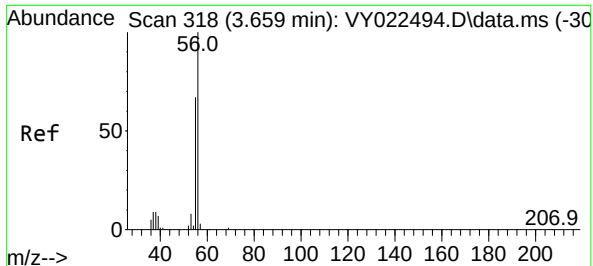
Ion Ratio Lower Upper

96 100

61 163.0 134.6 201.8

98 60.8 50.2 75.4





#13

Acrolein

Concen: 106.469 ug/l

RT: 3.653 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 56 Resp: 21372

Ion Ratio Lower Upper

56 100

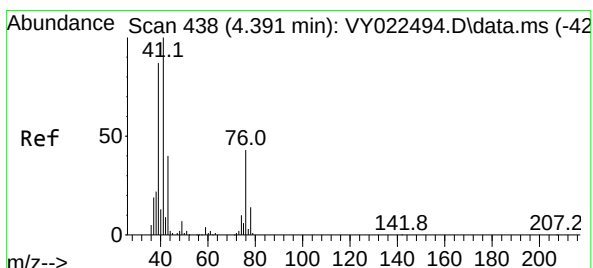
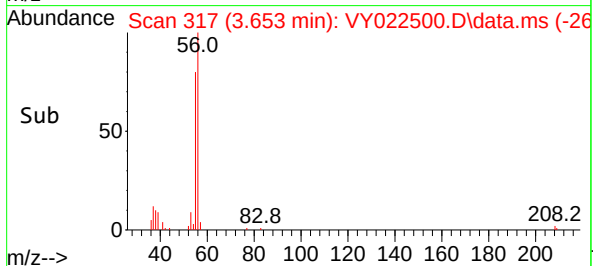
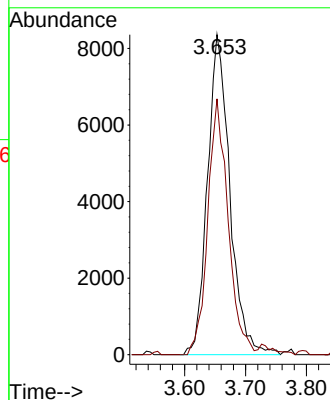
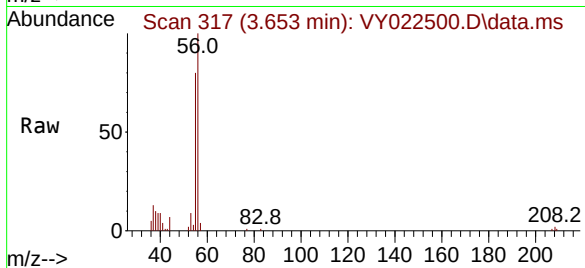
55 72.5 57.0 85.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#14

Allyl chloride

Concen: 20.372 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

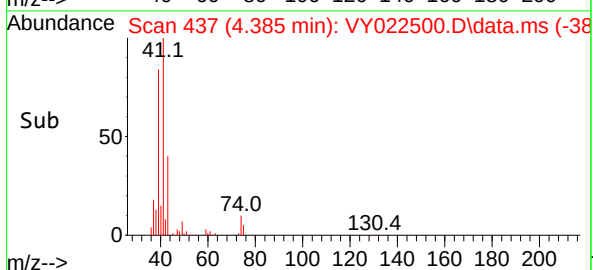
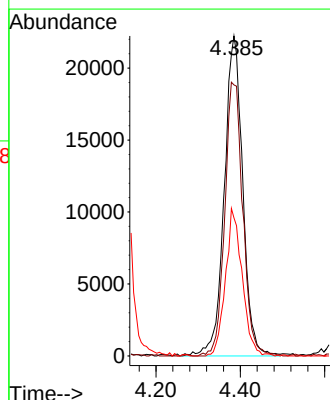
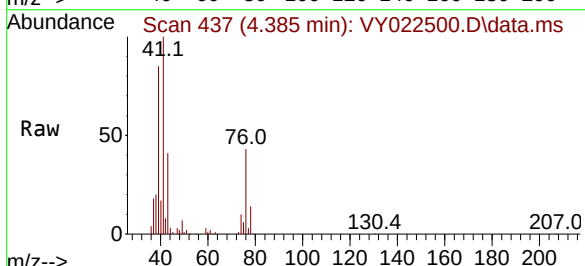
Tgt Ion: 41 Resp: 67622

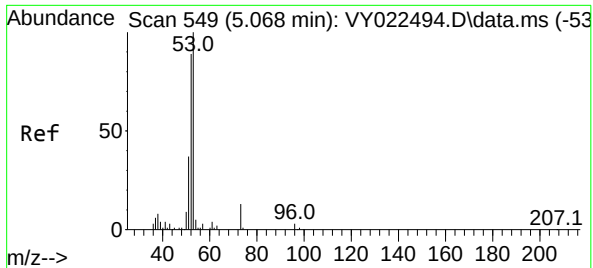
Ion Ratio Lower Upper

41 100

39 83.6 69.1 103.7

76 41.7 33.5 50.3





#15

Acrylonitrile

Concen: 102.265 ug/l

RT: 5.067 min Scan# 549

Delta R.T. -0.000 min

Lab File: VY022500.D

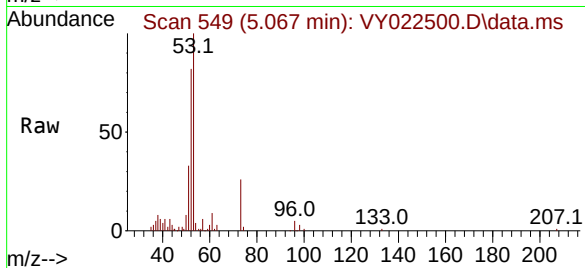
Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

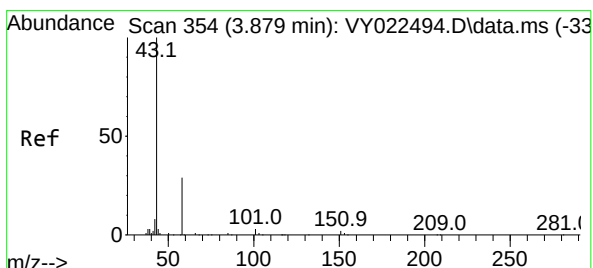
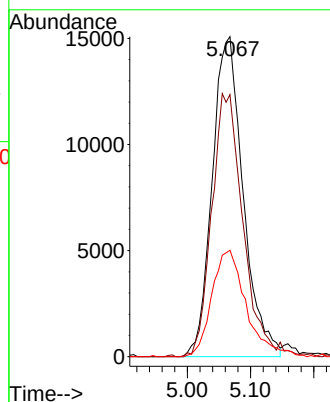
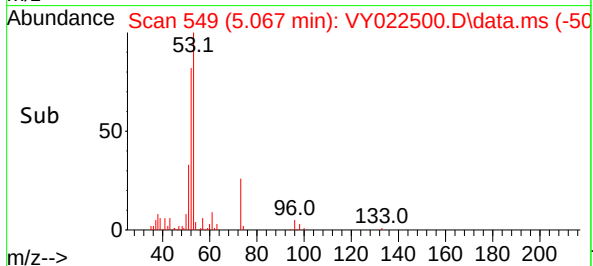


Tgt Ion:	53	Resp:	51228
Ion Ratio	100	Lower	Upper
53	100		
52	81.9	65.7	98.5
51	37.0	30.1	45.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#16

Acetone

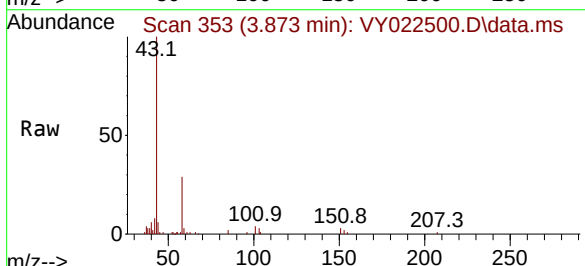
Concen: 87.044 ug/l

RT: 3.873 min Scan# 353

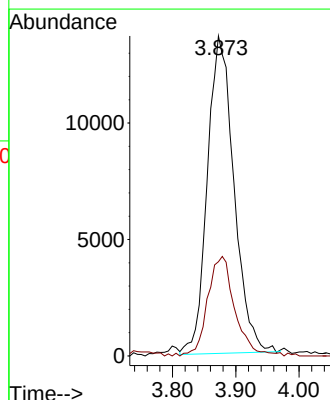
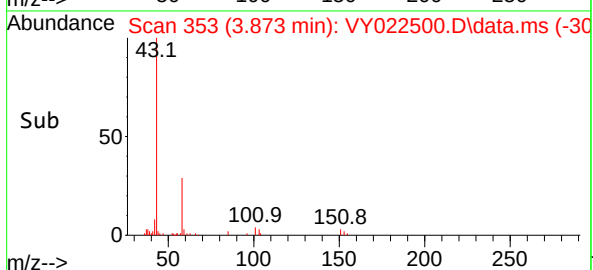
Delta R.T. -0.006 min

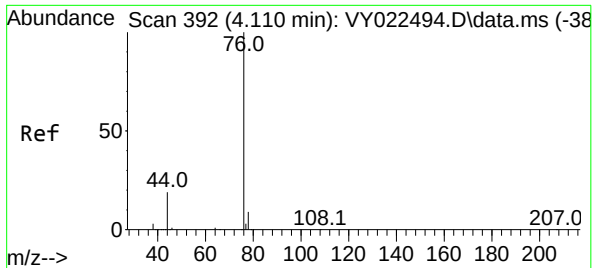
Lab File: VY022500.D

Acq: 02 Jun 2025 16:24



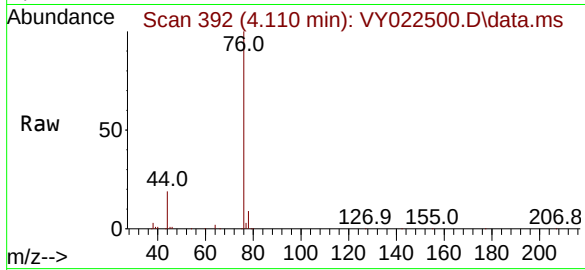
Tgt Ion:	43	Resp:	39865
Ion Ratio	100	Lower	Upper
43	100		
58	29.9	24.0	36.0





#17
Carbon Disulfide
Concen: 20.286 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

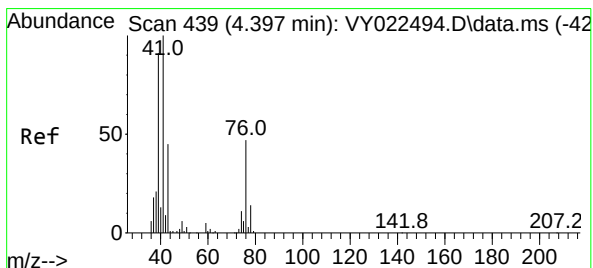
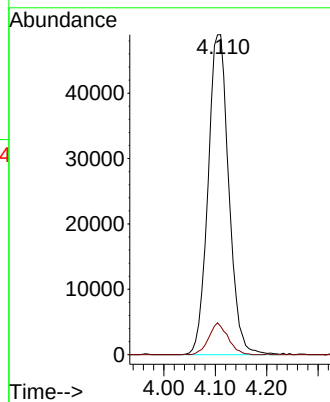
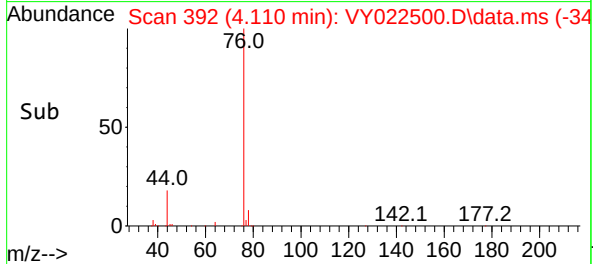
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



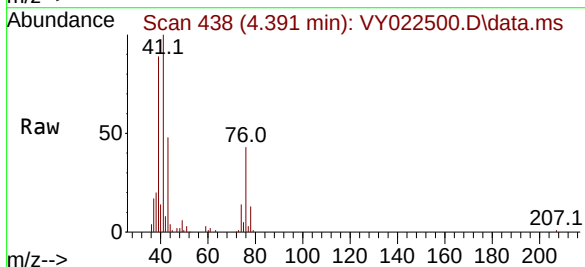
Tgt Ion: 76 Resp: 137329
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

Manual Integrations
APPROVED

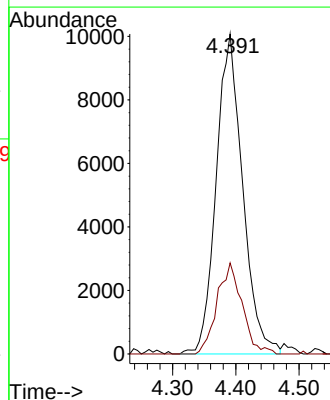
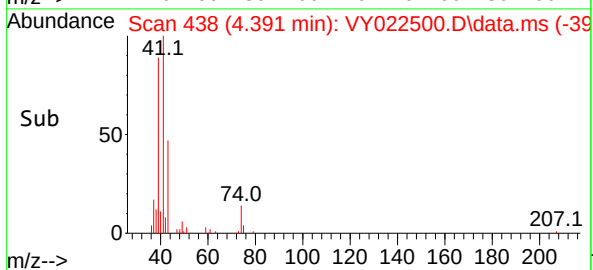
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

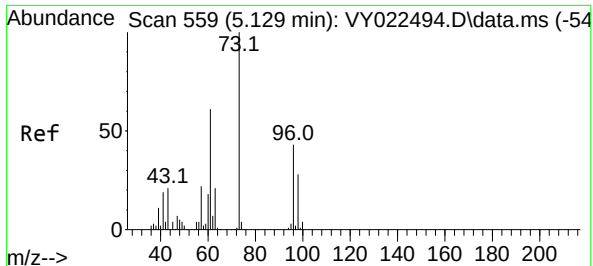


#18
Methyl Acetate
Concen: 21.554 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24



Tgt Ion: 43 Resp: 29232
Ion Ratio Lower Upper
43 100
74 26.9 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 20.486 ug/l

RT: 5.122 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 73 Resp: 12200

Ion Ratio Lower Upper

73 100

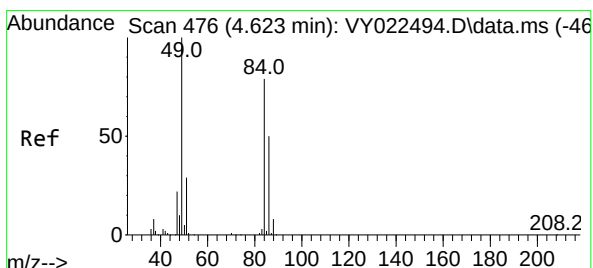
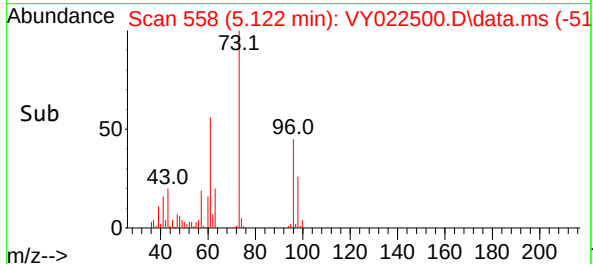
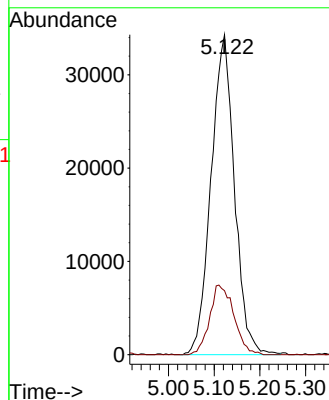
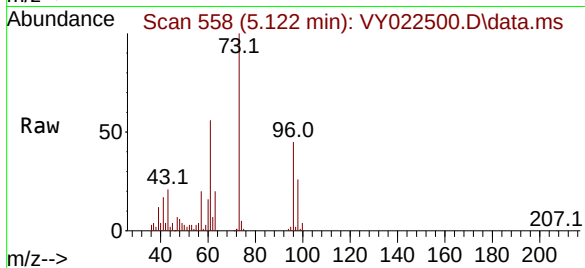
57 20.0 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#20

Methylene Chloride

Concen: 19.096 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Tgt Ion: 84 Resp: 49679

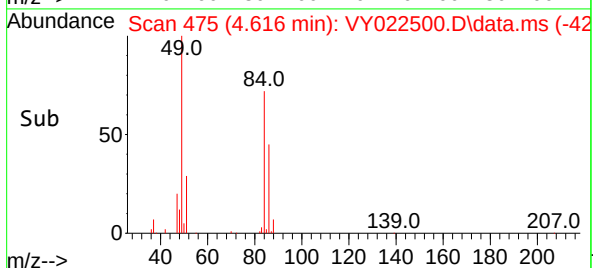
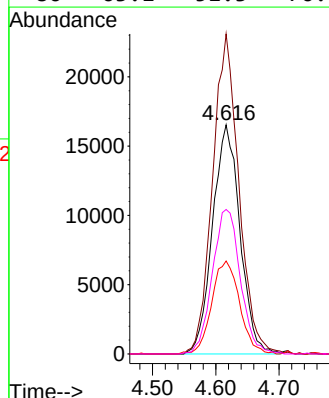
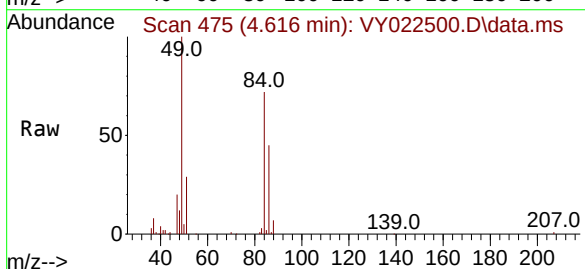
Ion Ratio Lower Upper

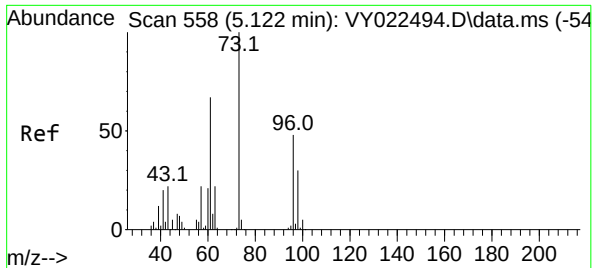
84 100

49 139.7 101.9 152.9

51 40.6 29.8 44.8

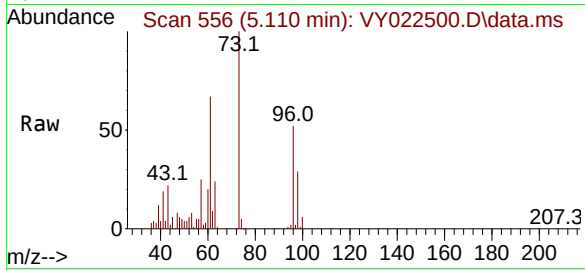
86 63.1 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 20.900 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. -0.012 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

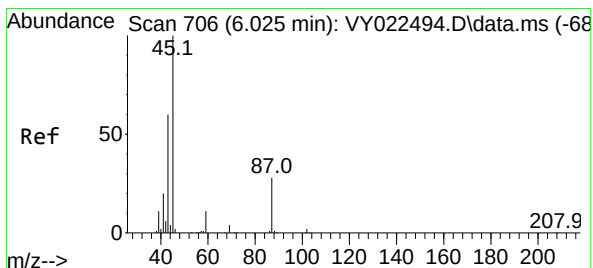
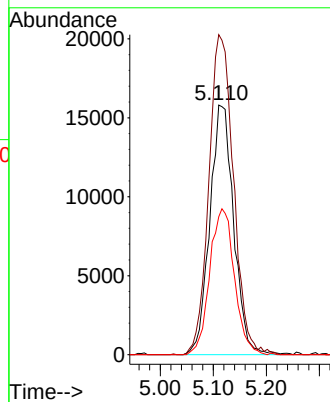
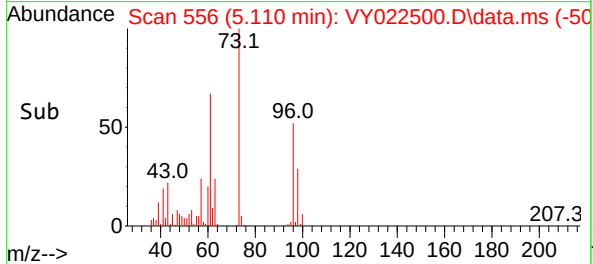
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



Tgt Ion: 96 Resp: 4945
Ion Ratio Lower Upper
96 100
61 128.2 112.6 169.0
98 55.2 50.6 75.8

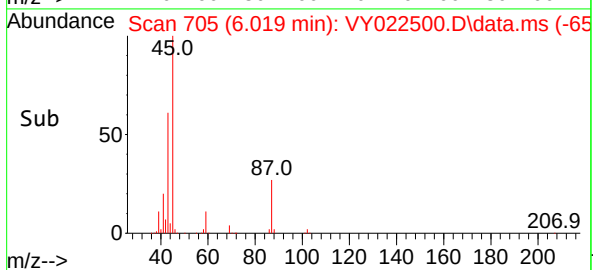
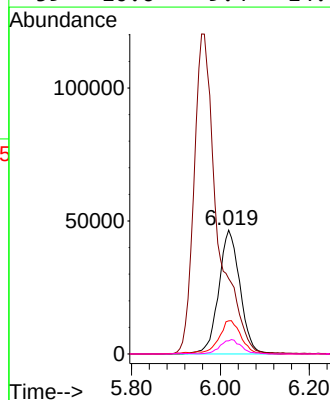
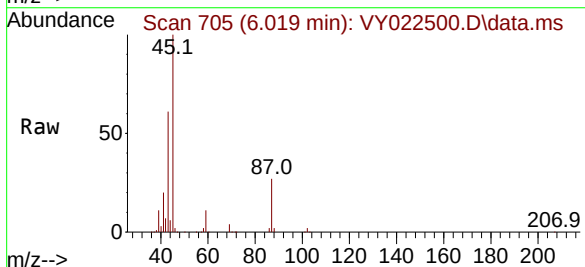
Manual Integrations
APPROVED

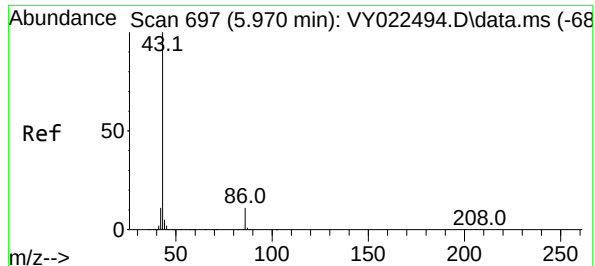
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#22
Diisopropyl ether
Concen: 20.867 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 45 Resp: 154177
Ion Ratio Lower Upper
45 100
43 60.0 48.3 72.5
87 26.7 23.0 34.6
59 10.6 9.4 14.0





#23

Vinyl Acetate

Concen: 100.183 ug/l

RT: 5.958 min Scan# 64

Delta R.T. -0.012 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 43 Resp: 43811

Ion Ratio Lower Upper

43 100

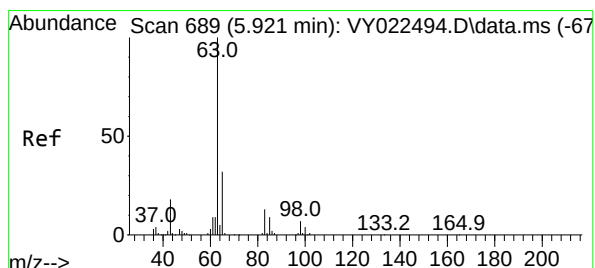
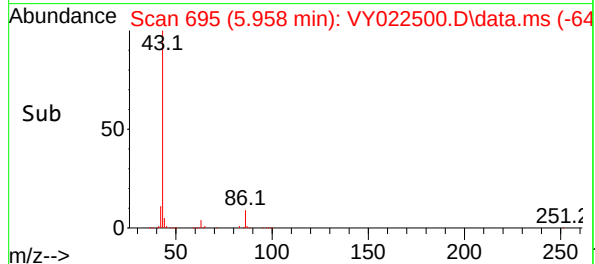
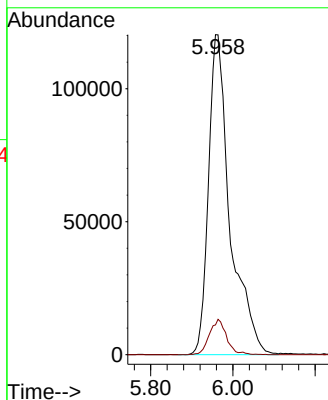
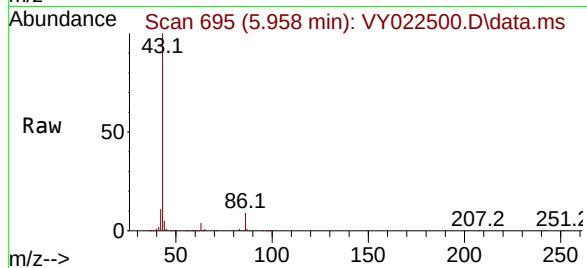
86 9.3 8.6 12.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#24

1,1-Dichloroethane

Concen: 20.615 ug/l

RT: 5.921 min Scan# 689

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

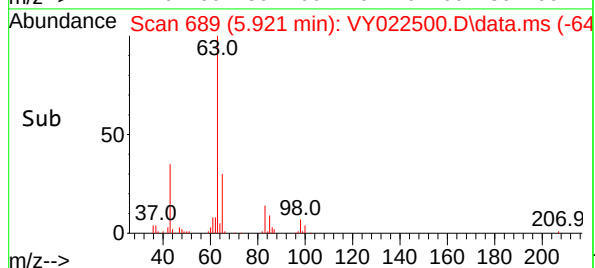
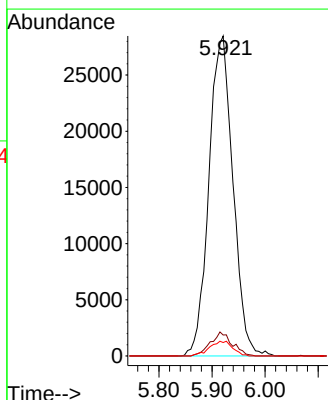
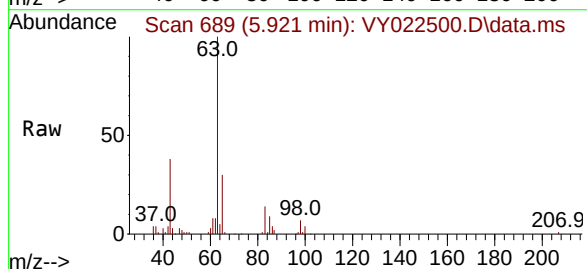
Tgt Ion: 63 Resp: 89731

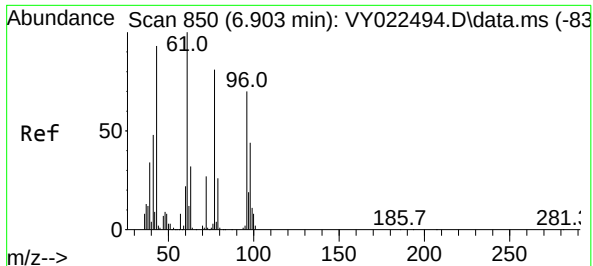
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 96.591 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 43 Resp: 63810

Ion Ratio Lower Upper

43 100

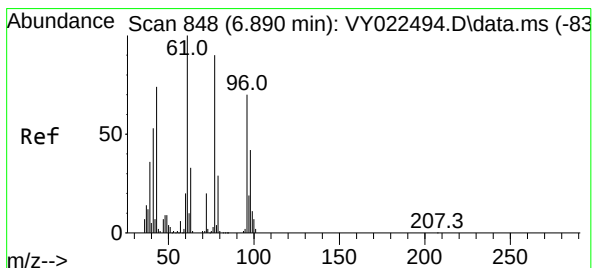
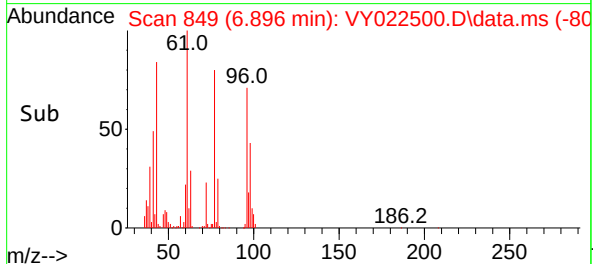
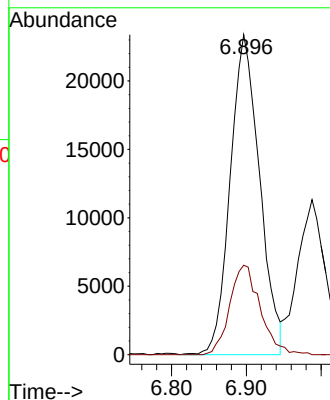
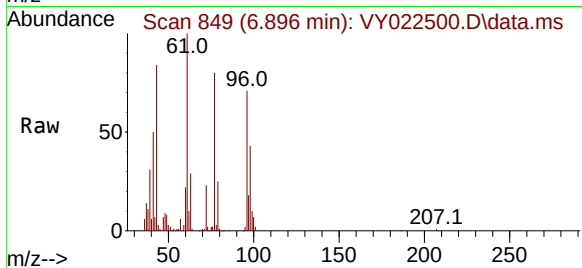
72 27.9 22.9 34.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#26

2,2-Dichloropropane

Concen: 20.285 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY022500.D

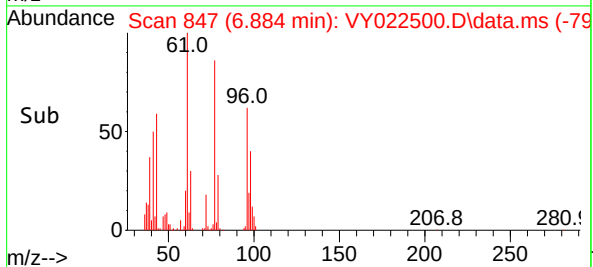
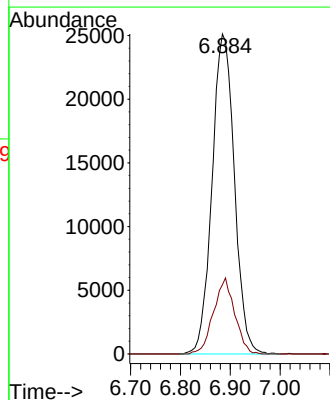
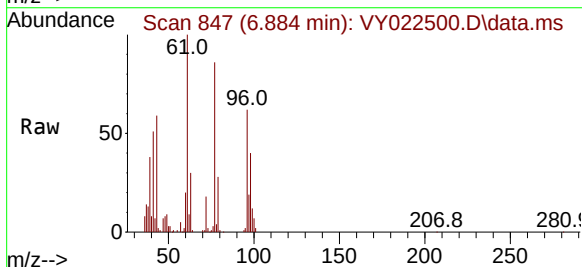
Acq: 02 Jun 2025 16:24

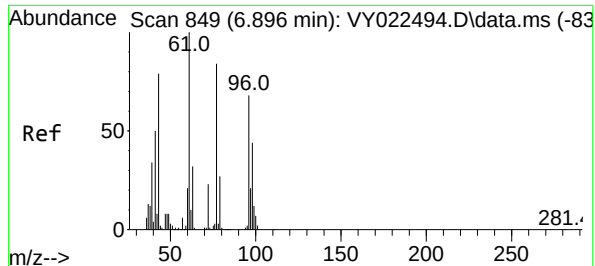
Tgt Ion: 77 Resp: 78015

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.824 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 96 Resp: 5696

Ion Ratio Lower Upper

96 100

61 148.1 0.0 290.0

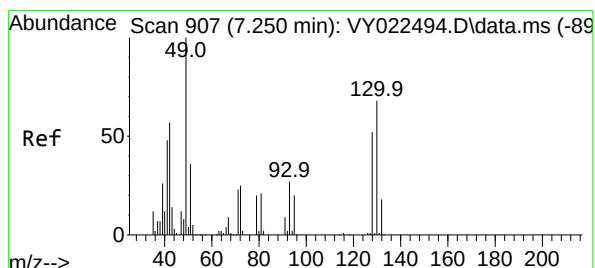
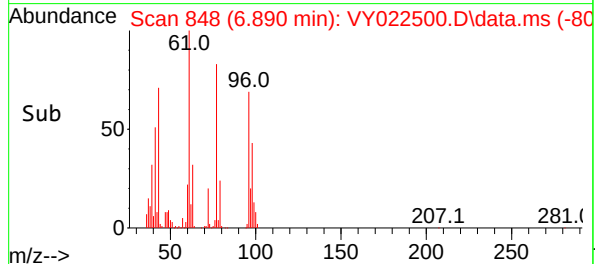
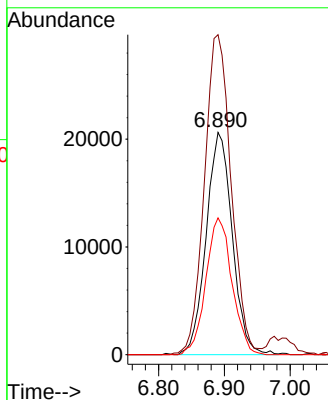
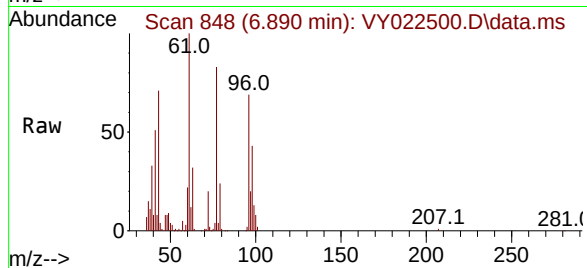
98 61.7 0.0 128.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#28

Bromochloromethane

Concen: 20.070 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

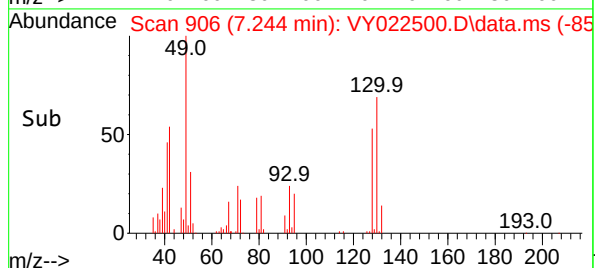
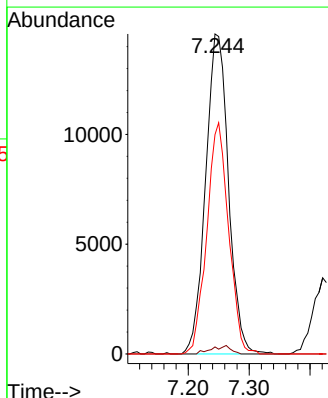
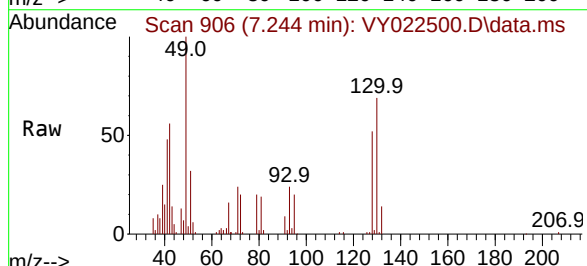
Tgt Ion: 49 Resp: 38081

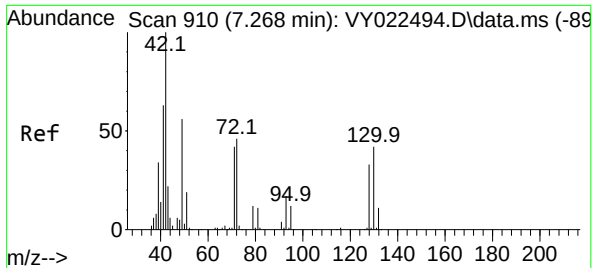
Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.6

130 68.8 55.7 83.5





#29

Tetrahydrofuran

Concen: 100.809 ug/l

RT: 7.268 min Scan# 910

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 42 Resp: 4295

Ion Ratio Lower Upper

42 100

72 45.4 37.4 56.2

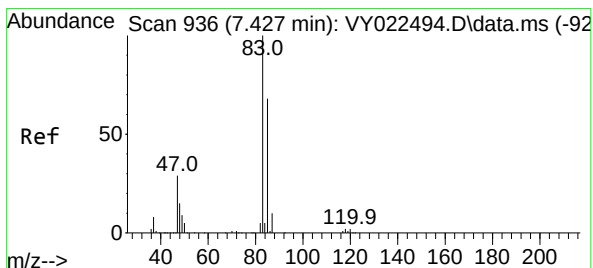
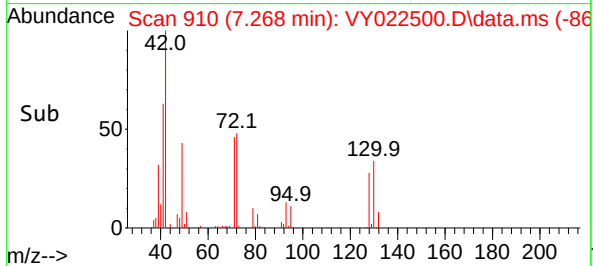
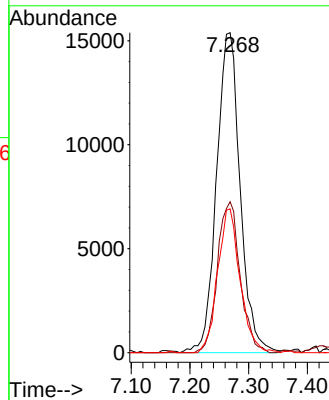
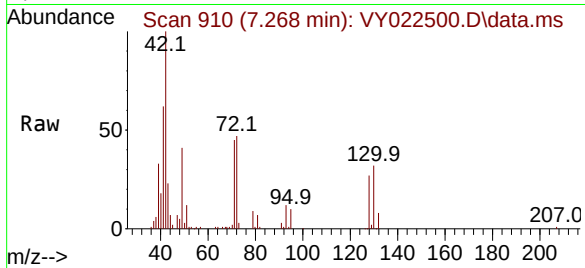
71 42.7 34.2 51.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#30

Chloroform

Concen: 21.002 ug/l

RT: 7.427 min Scan# 936

Delta R.T. -0.000 min

Lab File: VY022500.D

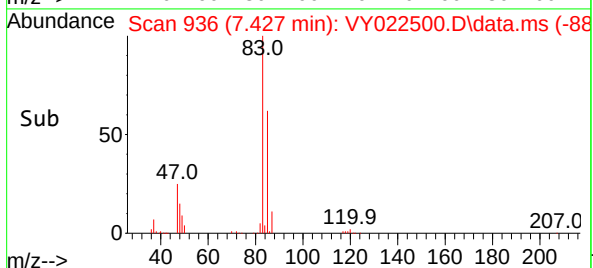
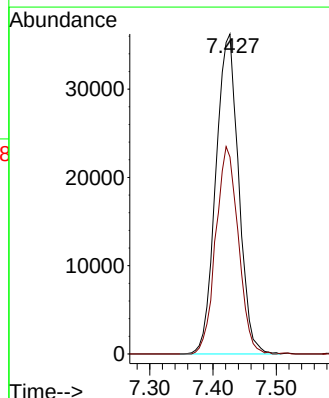
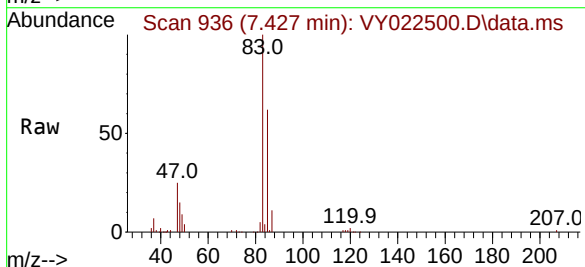
Acq: 02 Jun 2025 16:24

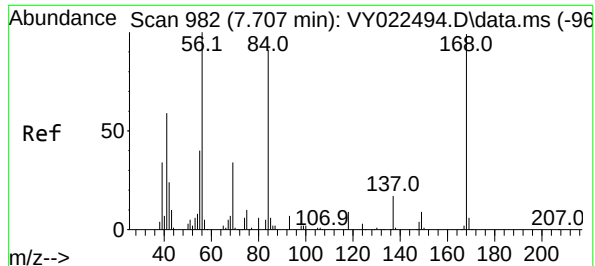
Tgt Ion: 83 Resp: 90548

Ion Ratio Lower Upper

83 100

85 61.6 54.2 81.4





#31

Cyclohexane

Concen: 20.214 ug/l

RT: 7.701 min Scan# 982

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 56 Resp: 8759

Ion Ratio Lower Upper

56 100

69 36.4 27.0 40.6

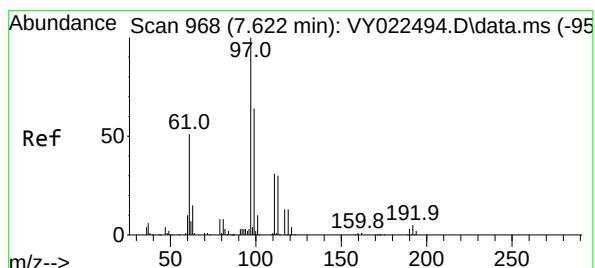
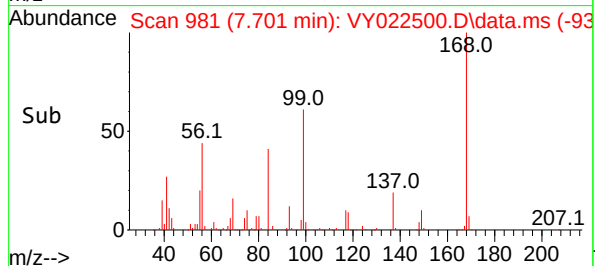
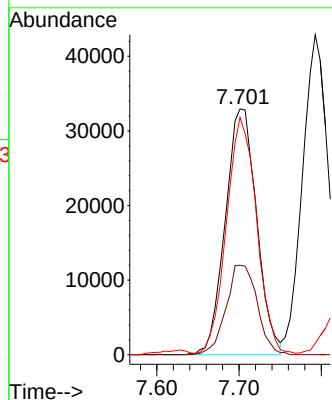
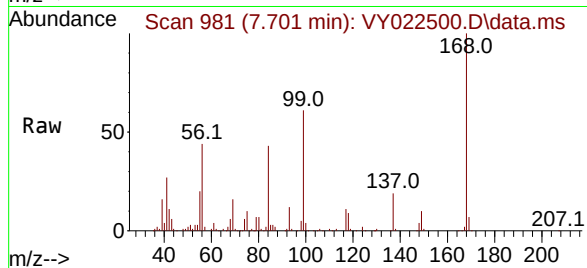
84 94.6 72.6 109.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#32

1,1,1-Trichloroethane

Concen: 21.283 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

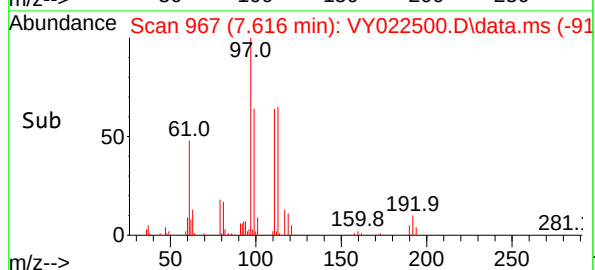
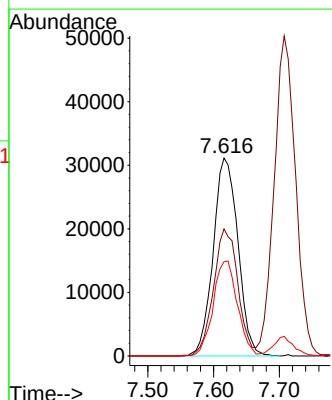
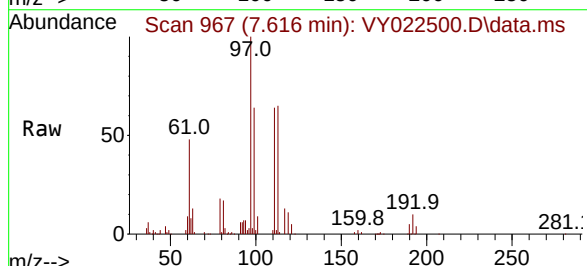
Tgt Ion: 97 Resp: 81457

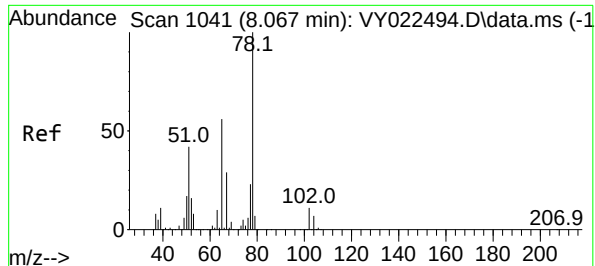
Ion Ratio Lower Upper

97 100

99 63.7 50.9 76.3

61 47.3 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 50.821 ug/l

RT: 8.061 min Scan# 1041

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 65 Resp: 114608

Ion Ratio Lower Upper

65 100

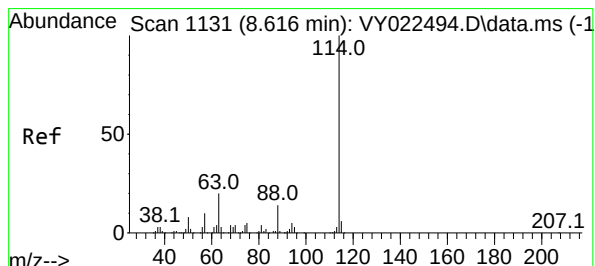
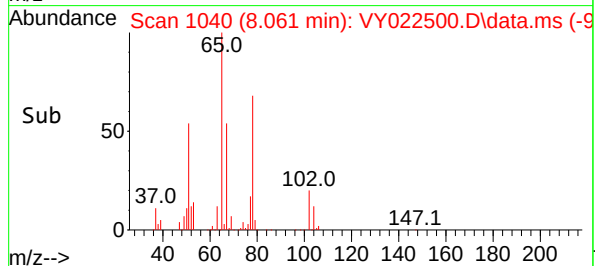
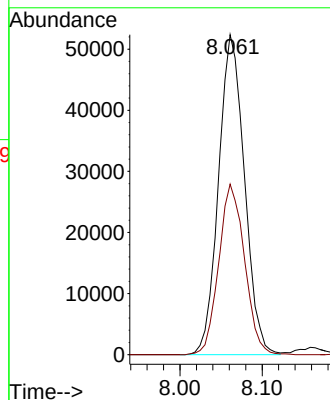
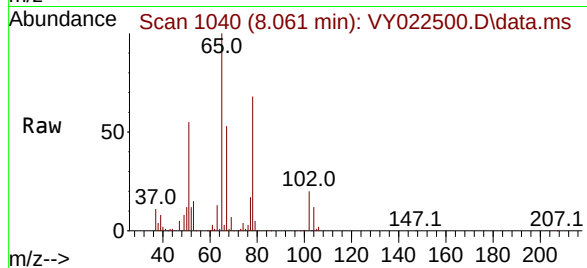
67 53.1 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

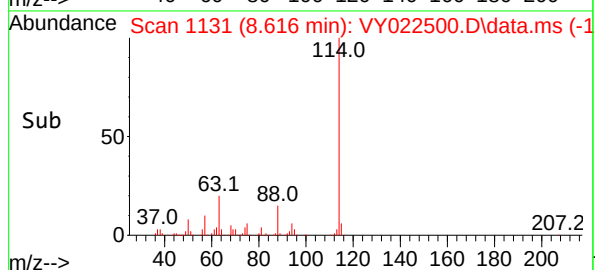
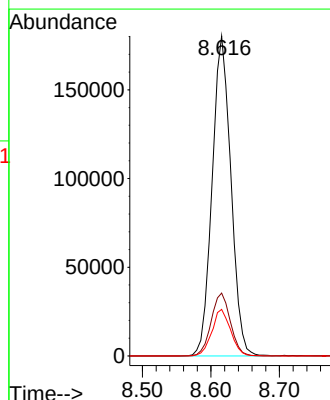
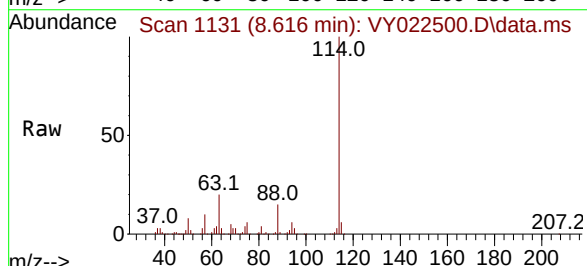
Tgt Ion:114 Resp: 342745

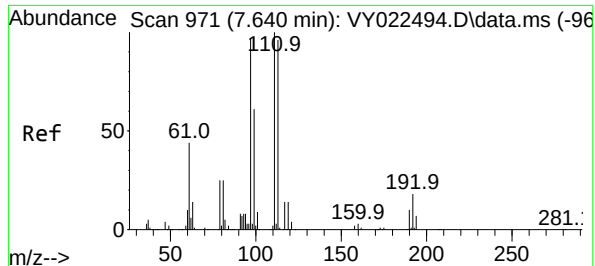
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 14.5 0.0 27.8





#35

Dibromofluoromethane

Concen: 51.616 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion:113 Resp: 10559

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

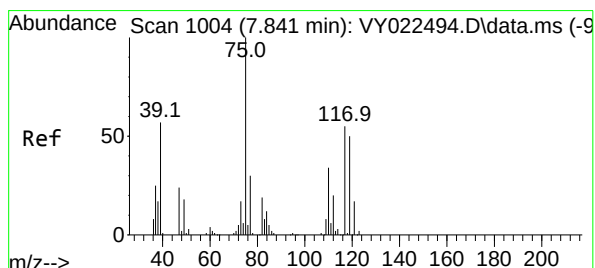
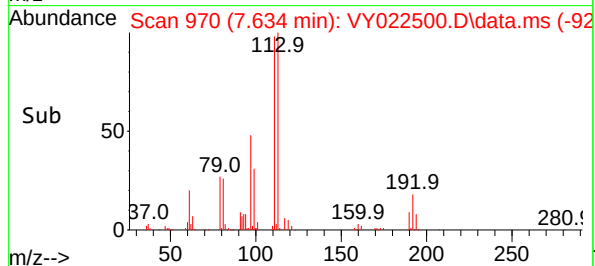
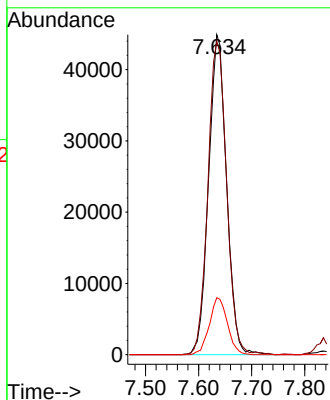
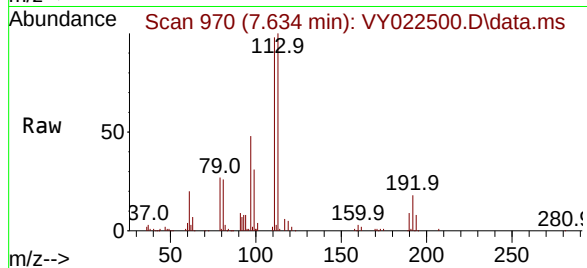
192 17.9 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#36

1,1-Dichloropropene

Concen: 20.345 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

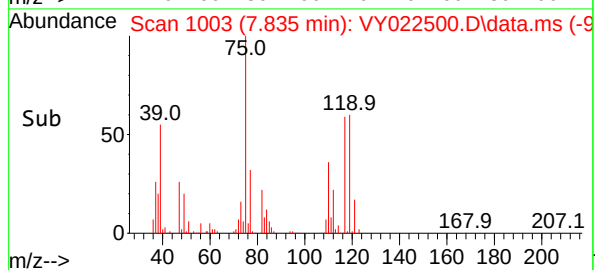
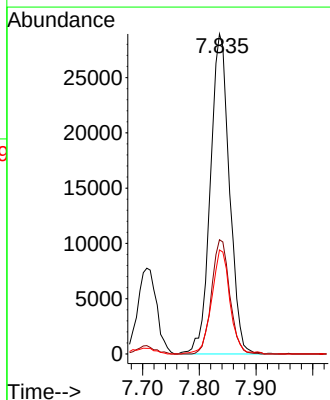
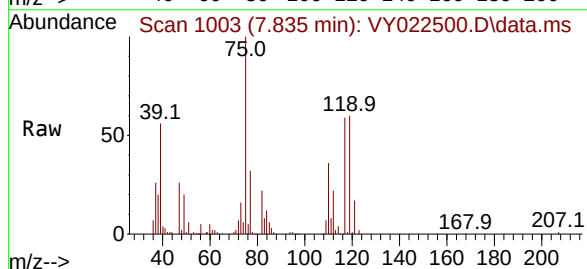
Tgt Ion: 75 Resp: 67552

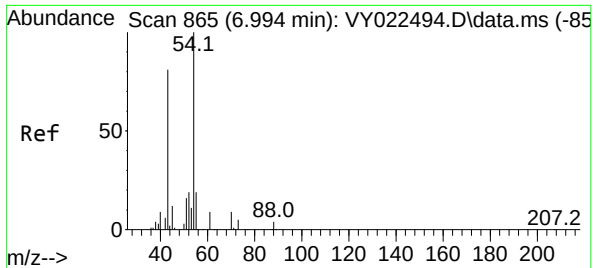
Ion Ratio Lower Upper

75 100

110 33.8 16.9 50.7

77 31.3 24.8 37.2





#37

Ethyl Acetate

Concen: 20.402 ug/l

RT: 6.988 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 43 Resp: 30209

Ion Ratio Lower Upper

43 100

61 14.1 11.5 17.3

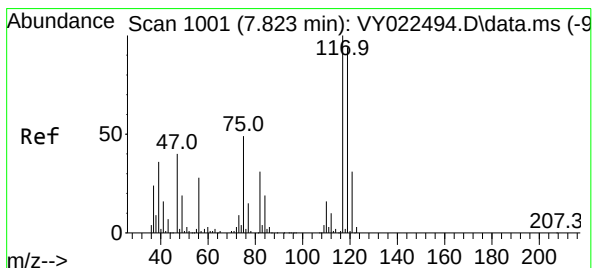
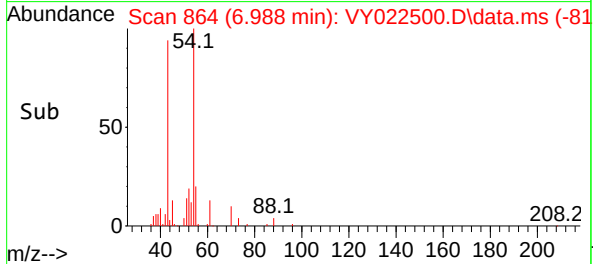
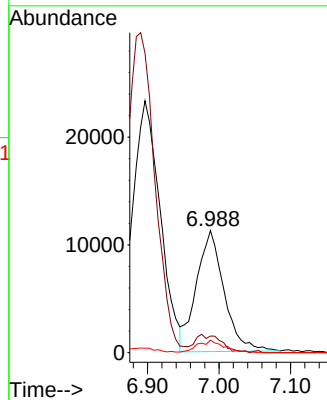
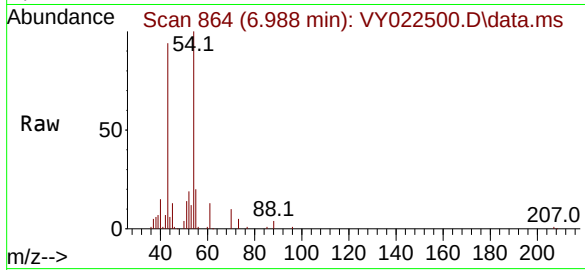
70 9.7 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#38

Carbon Tetrachloride

Concen: 19.984 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

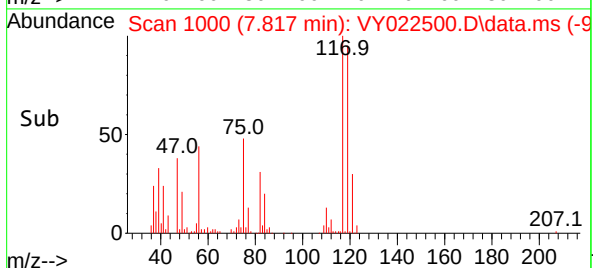
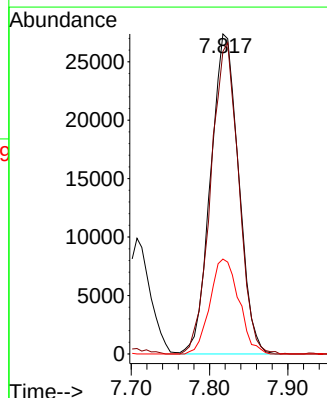
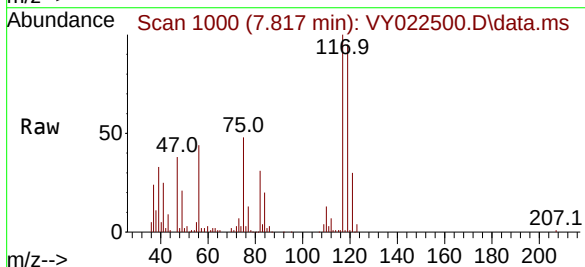
Tgt Ion:117 Resp: 68070

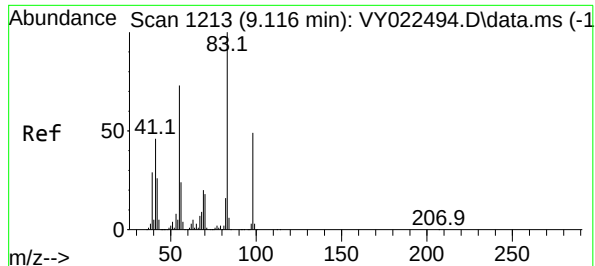
Ion Ratio Lower Upper

117 100

119 94.6 75.0 112.6

121 29.6 25.0 37.4





#39

Methylcyclohexane

Concen: 20.451 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

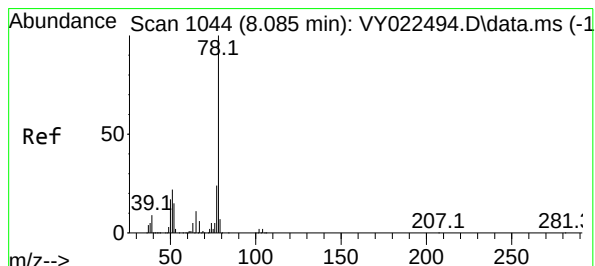
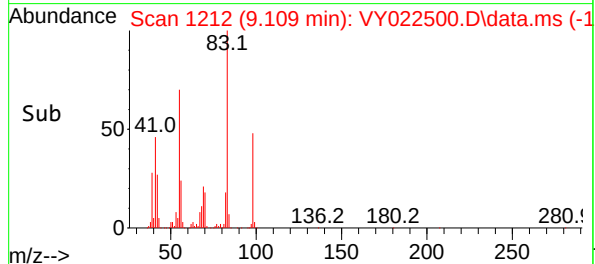
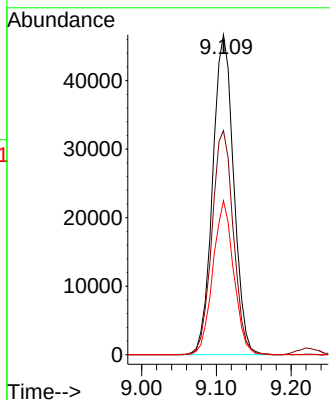
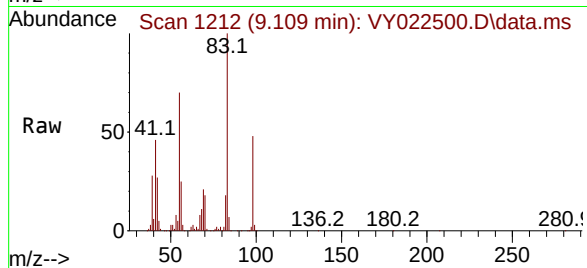
VY0602SBS01

Tgt Ion: 83	Resp: 91254
Ion Ratio	Lower Upper
83 100	
55 70.1	58.1 87.1
98 48.1	39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#40

Benzene

Concen: 20.597 ug/l

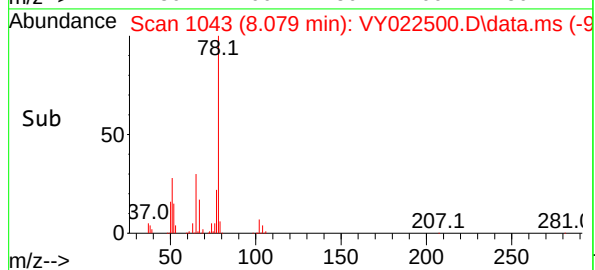
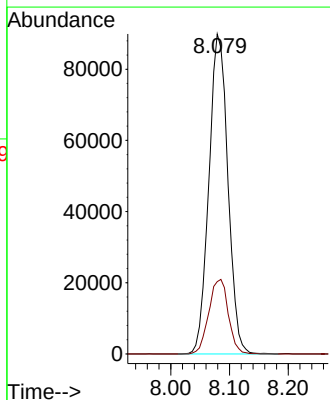
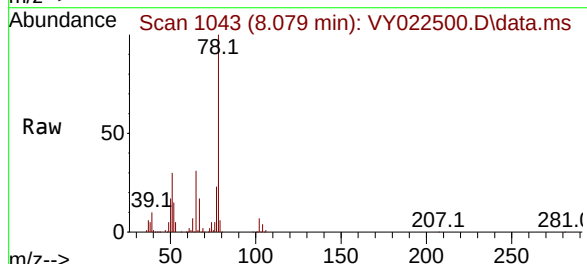
RT: 8.079 min Scan# 1043

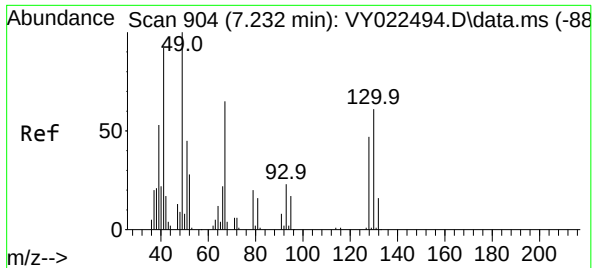
Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

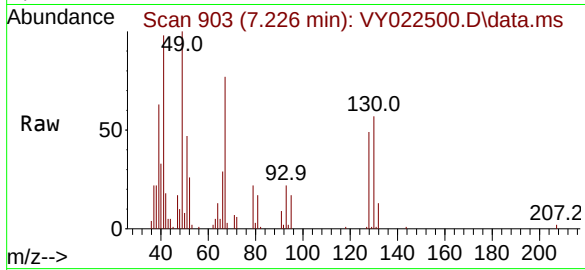
Tgt Ion: 78	Resp: 201994
Ion Ratio	Lower Upper
78 100	
77 22.6	19.3 28.9





#41
Methacrylonitrile
Concen: 17.984 ug/l
RT: 7.226 min Scan# 904
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

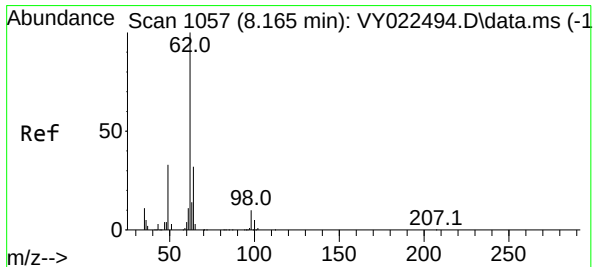
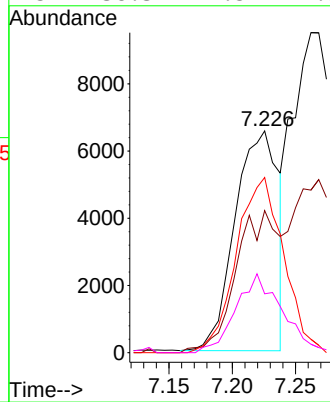
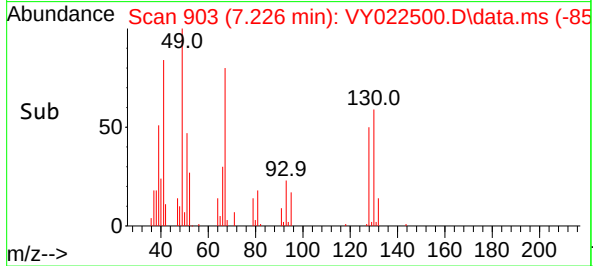
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



Tgt Ion: 41 Resp: 15554
Ion Ratio Lower Upper
41 100
39 36.7 46.6 69.8
67 86.9 63.3 94.9
52 38.3 27.5 41.3

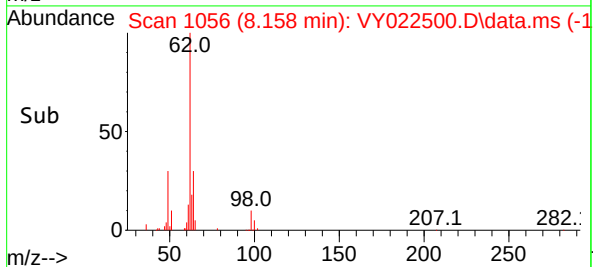
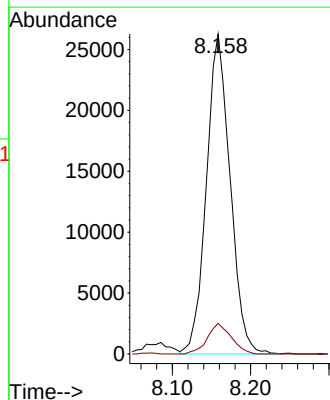
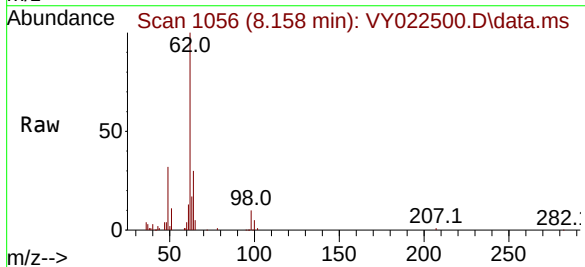
Manual Integrations
APPROVED

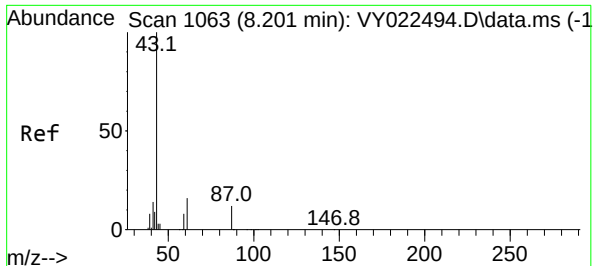
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#42
1,2-Dichloroethane
Concen: 20.631 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 62 Resp: 55244
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.2





#43

Isopropyl Acetate

Concen: 19.850 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 43 Resp: 63478

Ion Ratio Lower Upper

43 100

61 19.3 15.6 23.4

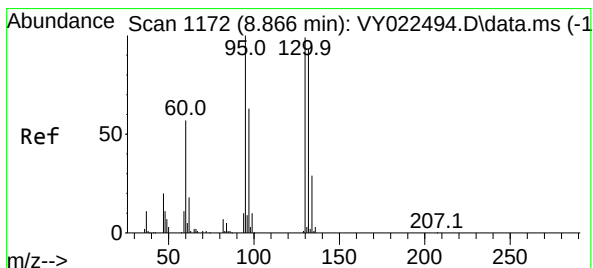
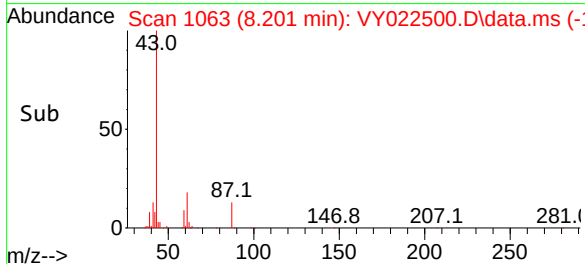
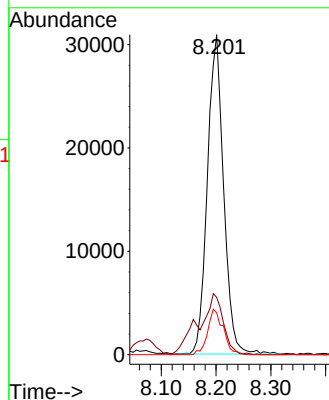
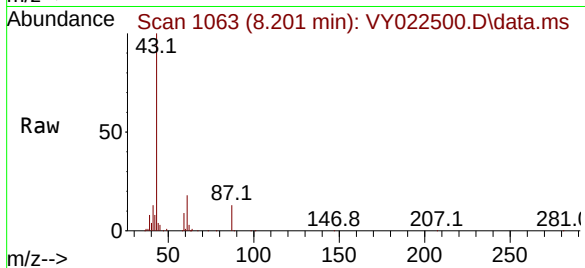
87 13.6 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#44

Trichloroethene

Concen: 20.538 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY022500.D

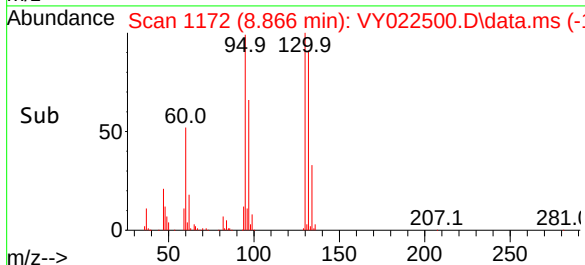
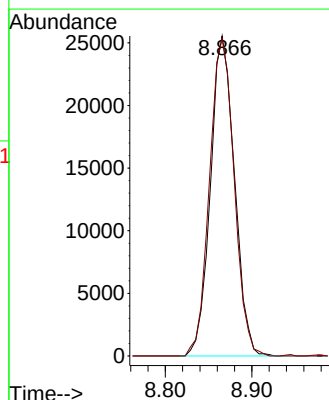
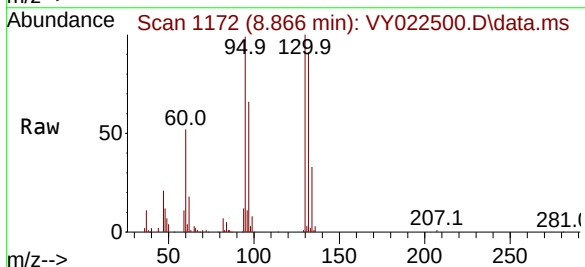
Acq: 02 Jun 2025 16:24

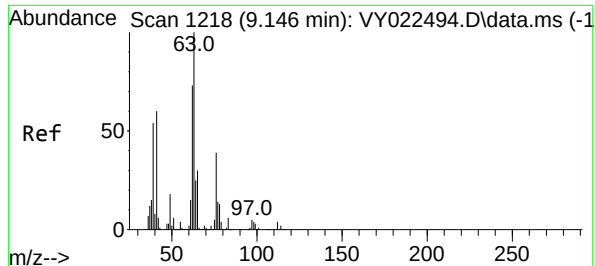
Tgt Ion:130 Resp: 49225

Ion Ratio Lower Upper

130 100

95 99.2 0.0 203.0





#45

1,2-Dichloropropane

Concen: 20.820 ug/l

RT: 9.140 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 63 Resp: 4825

Ion Ratio Lower Upper

63 100

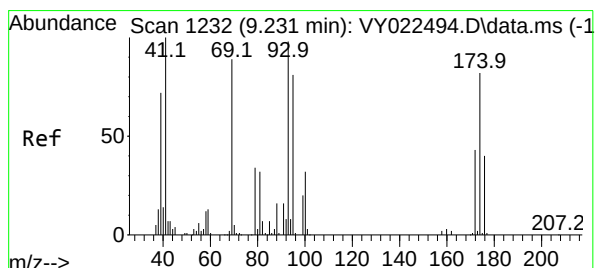
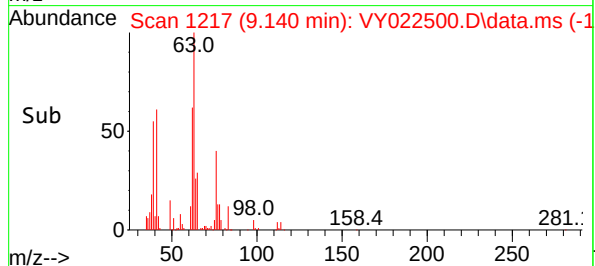
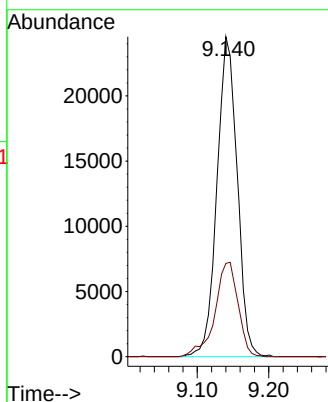
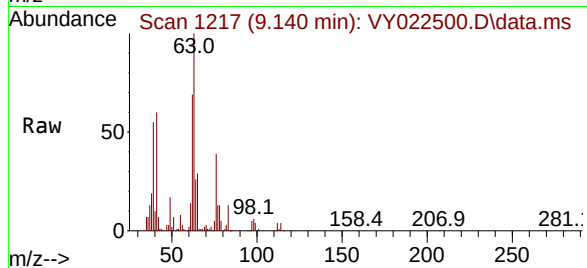
65 29.1 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#46

Dibromomethane

Concen: 20.506 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

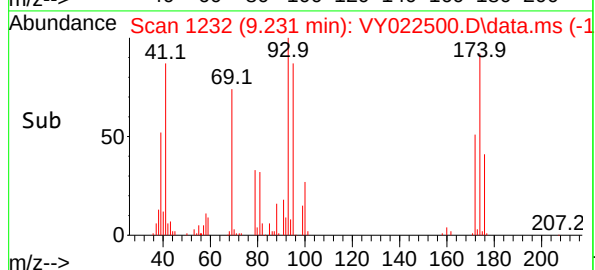
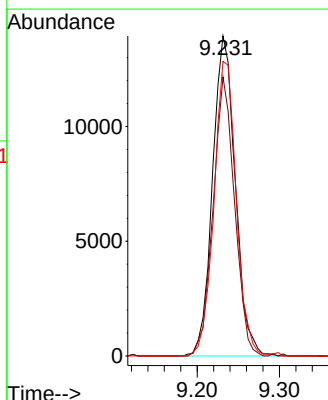
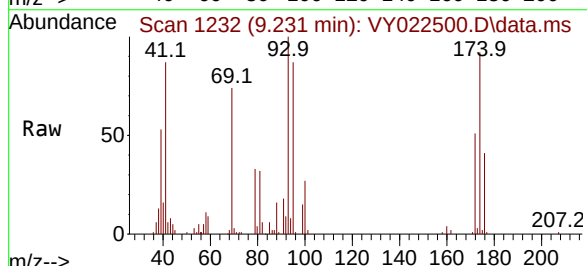
Tgt Ion: 93 Resp: 26738

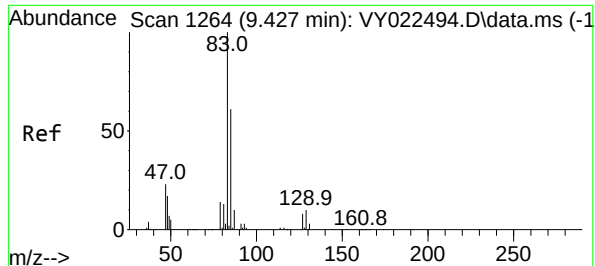
Ion Ratio Lower Upper

93 100

95 82.5 65.6 98.4

174 90.6 70.4 105.6





#47

Bromodichloromethane

Concen: 20.994 ug/l

RT: 9.426 min Scan# 1264

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

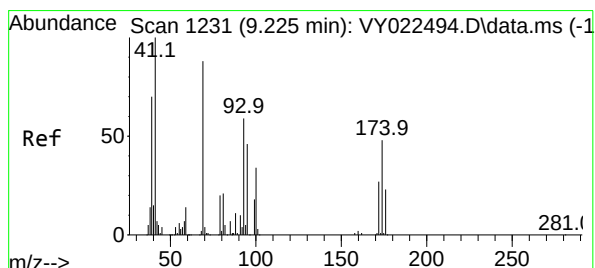
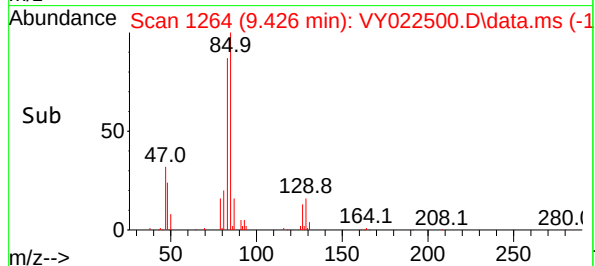
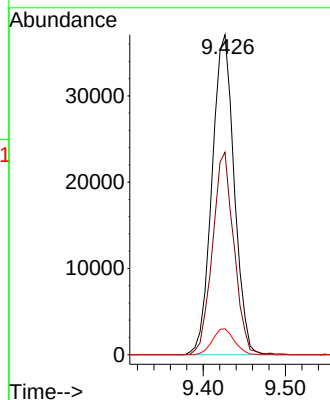
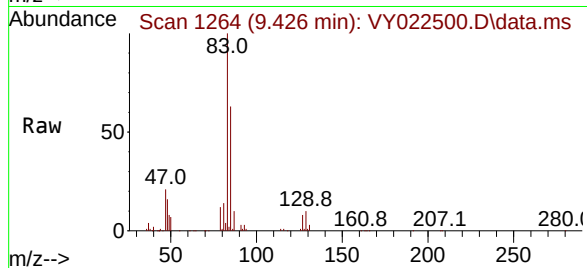
VY0602SBS01

Tgt Ion:	83	Resp:	6941
Ion Ratio	Lower	Upper	
83	100		
85	63.2	49.1	73.7
127	8.1	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#48

Methyl methacrylate

Concen: 19.675 ug/l

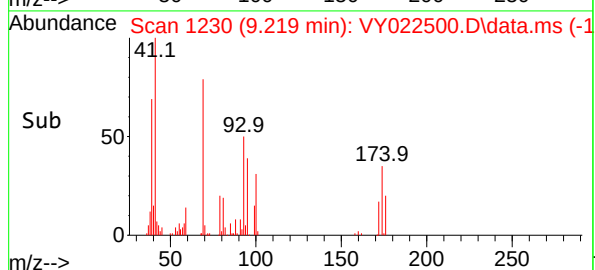
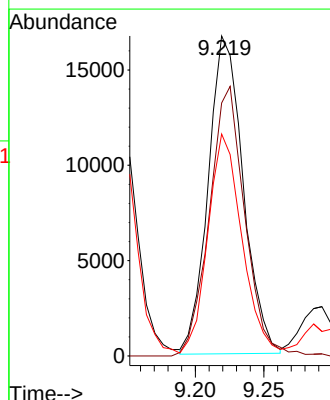
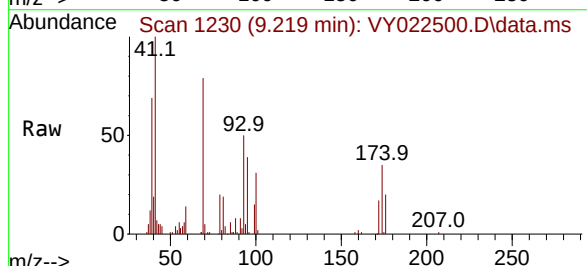
RT: 9.219 min Scan# 1230

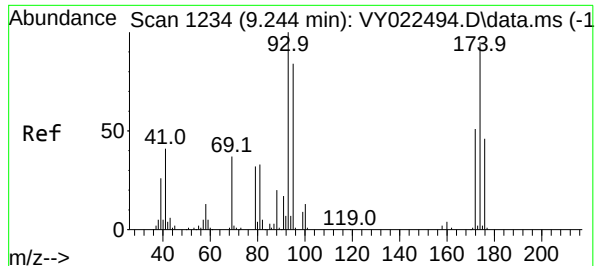
Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Tgt Ion:	41	Resp:	29530
Ion Ratio	Lower	Upper	
41	100		
69	86.4	67.8	101.8
39	66.9	55.0	82.4





#49

1,4-Dioxane

Concen: 379.032 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 88 Resp: 585

Ion Ratio Lower Upper

88 100

43 41.5 25.4 38.2

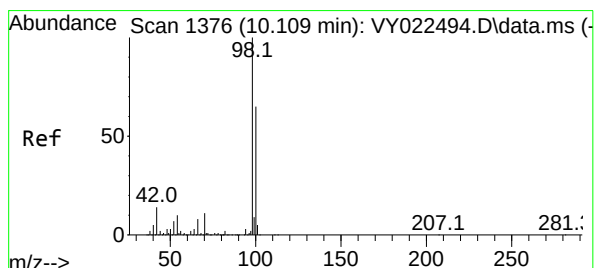
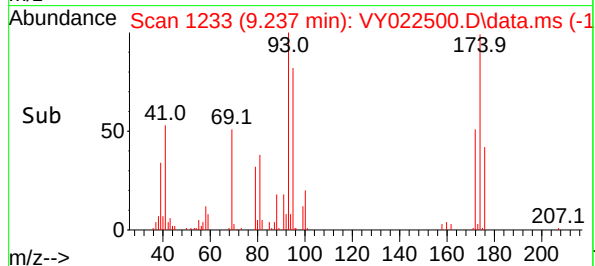
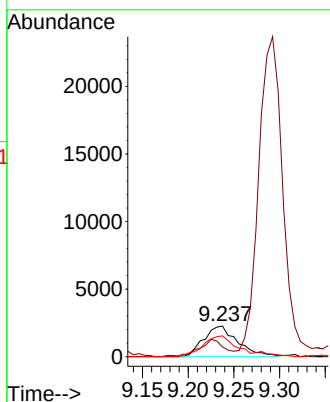
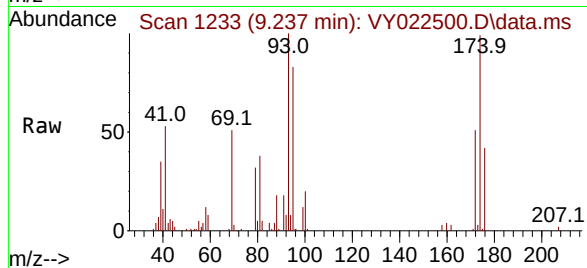
58 66.0 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#50

Toluene-d8

Concen: 51.881 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022500.D

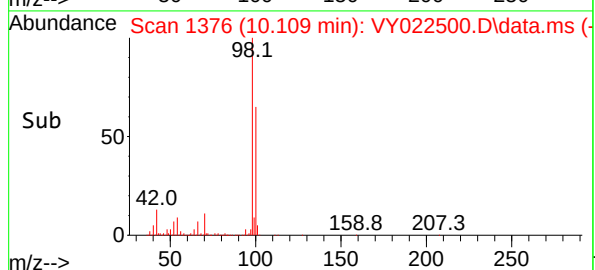
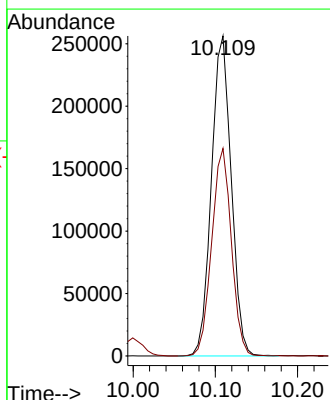
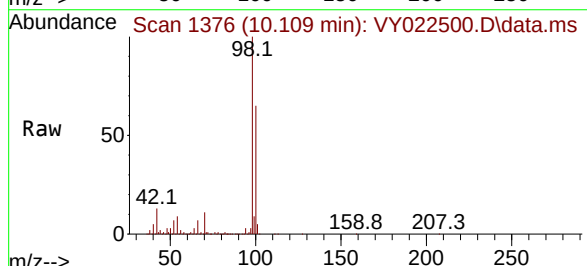
Acq: 02 Jun 2025 16:24

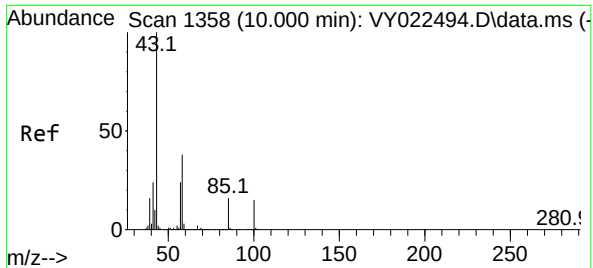
Tgt Ion: 98 Resp: 428859

Ion Ratio Lower Upper

98 100

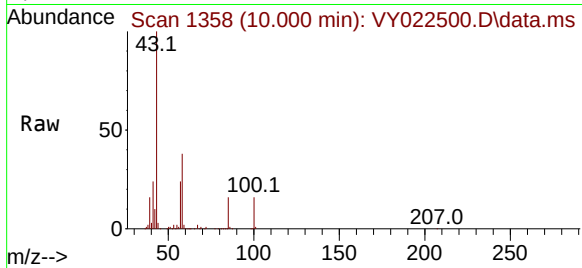
100 64.3 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 98.730 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

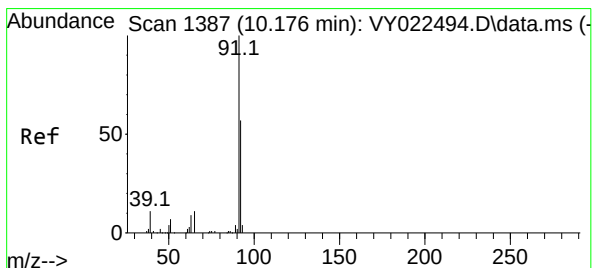
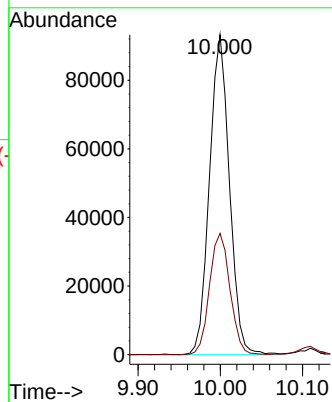
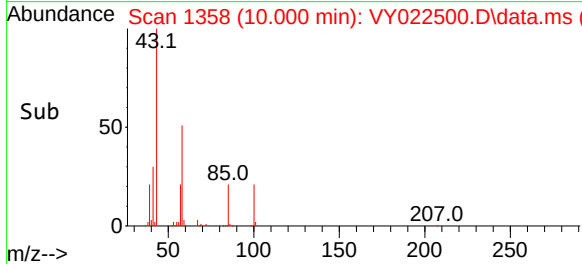
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



Tgt Ion: 43 Resp: 15741
Ion Ratio Lower Upper
43 100
58 38.9 30.4 45.6

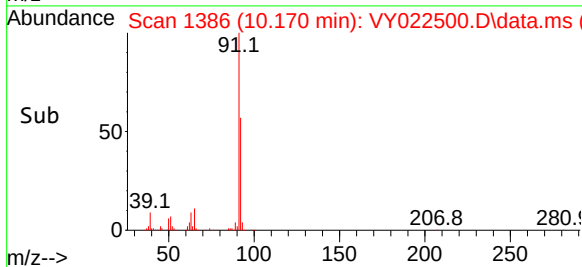
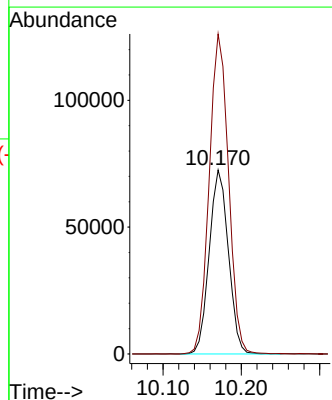
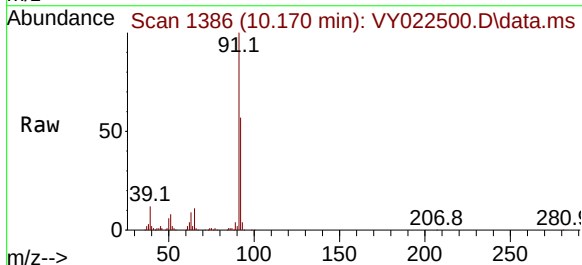
Manual Integrations
APPROVED

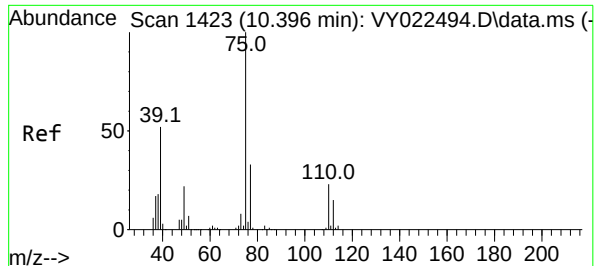
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#52
Toluene
Concen: 20.002 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 92 Resp: 123267
Ion Ratio Lower Upper
92 100
91 175.2 139.0 208.4





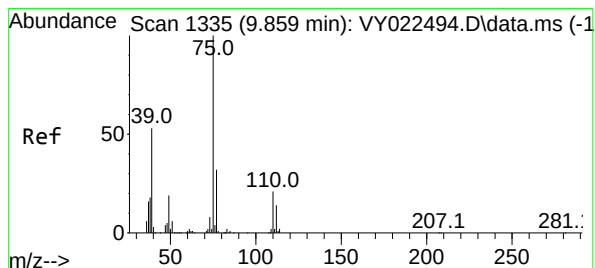
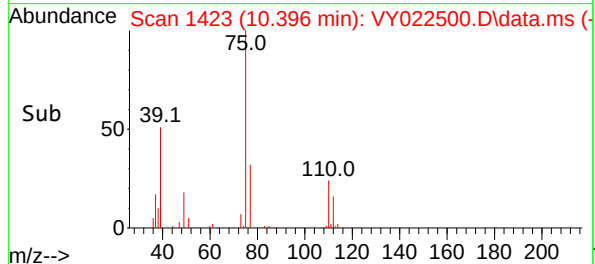
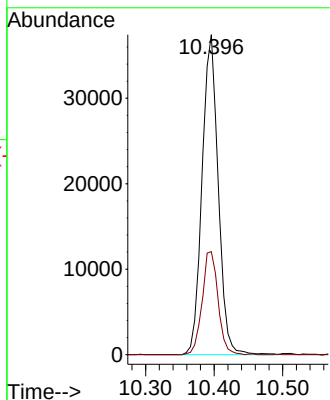
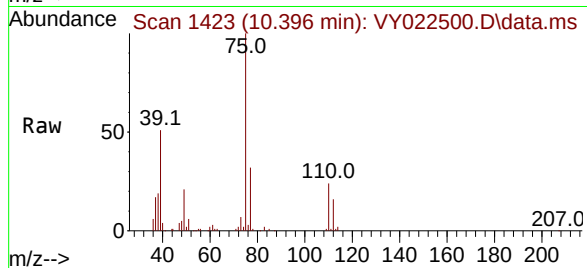
#53
t-1,3-Dichloropropene
Concen: 19.840 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Tgt Ion: 75 Resp: 61460
Ion Ratio Lower Upper
75 100
77 32.2 26.5 39.7

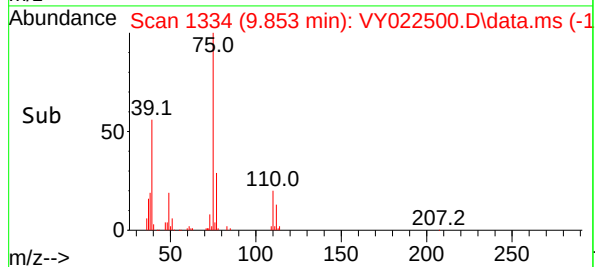
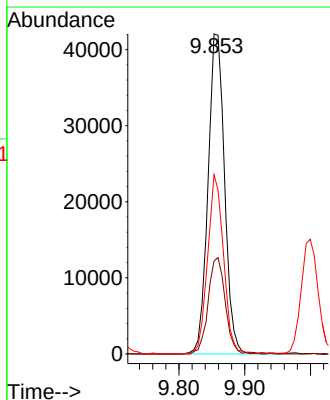
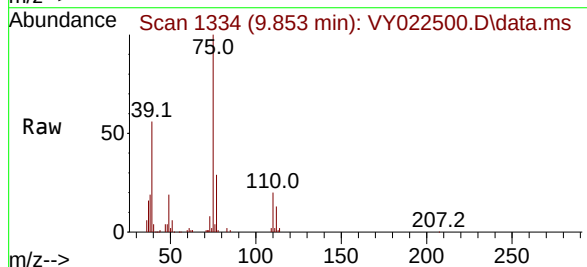
Manual Integrations
APPROVED

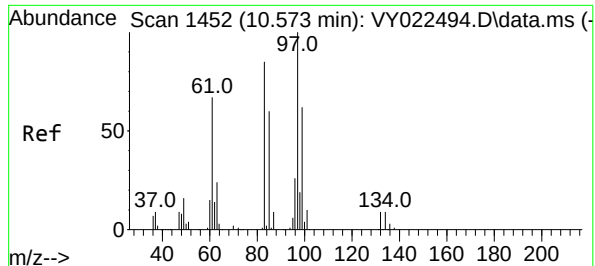
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#54
cis-1,3-Dichloropropene
Concen: 20.429 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

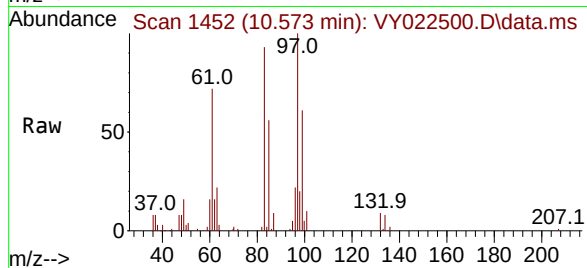
Tgt Ion: 75 Resp: 73669
Ion Ratio Lower Upper
75 100
77 29.0 25.3 37.9
39 56.0 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 20.167 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

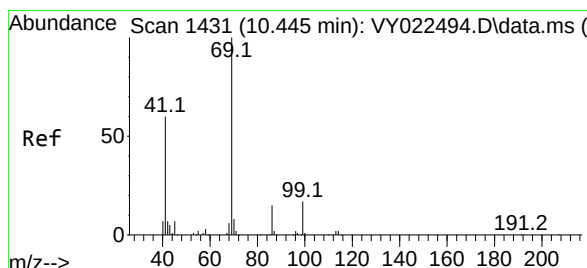
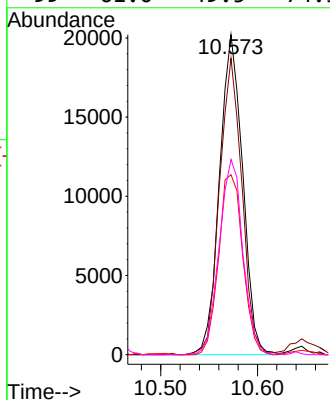
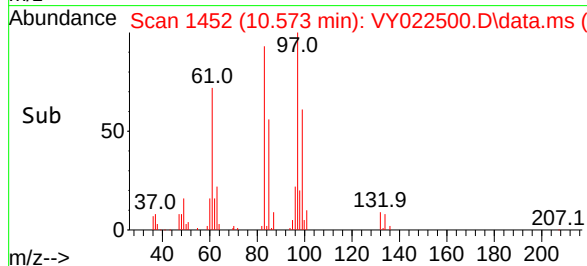
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



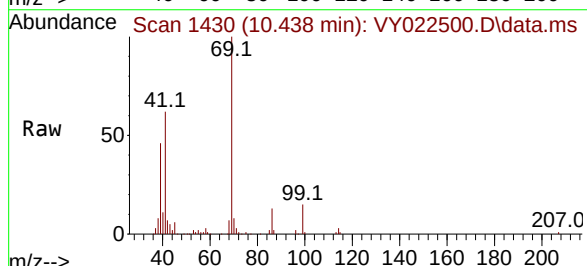
Tgt Ion: 97 Resp: 33530
Ion Ratio Lower Upper
97 100
83 92.6 68.1 102.1
85 56.3 48.2 72.2
99 61.0 49.5 74.3

Manual Integrations
APPROVED

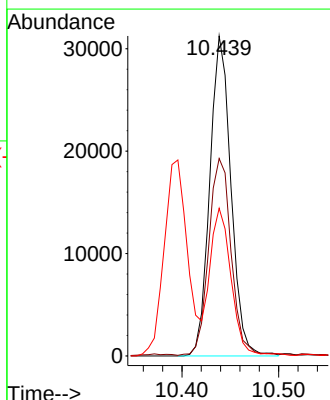
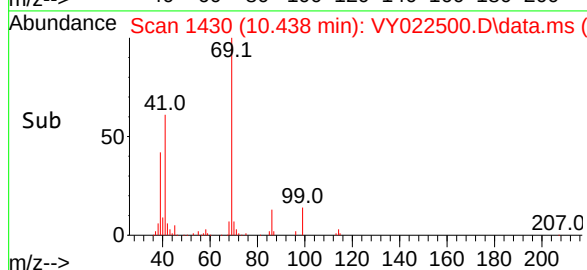
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

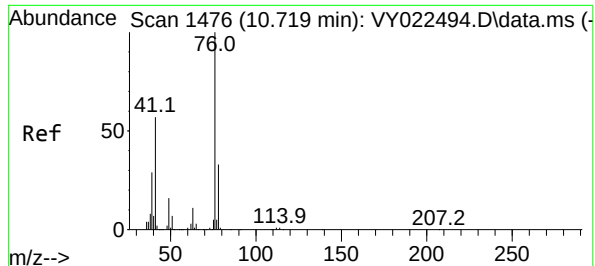


#56
Ethyl methacrylate
Concen: 19.779 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24



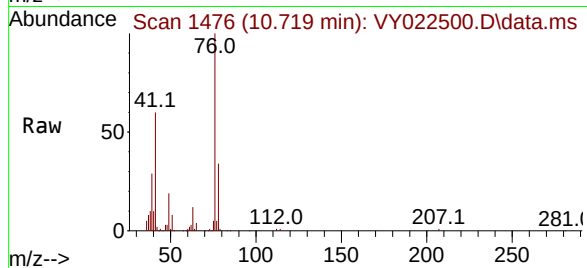
Tgt Ion: 69 Resp: 47531
Ion Ratio Lower Upper
69 100
41 65.4 52.2 78.2
39 45.6 36.7 55.1





#57
1,3-Dichloropropane
Concen: 20.662 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

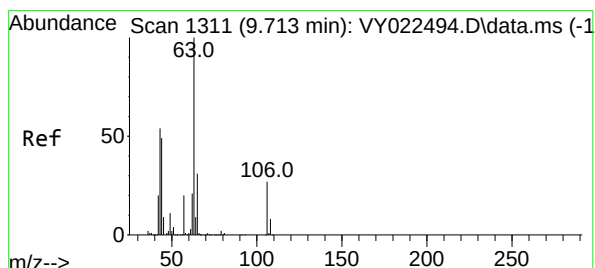
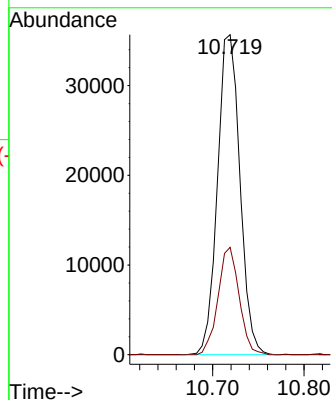
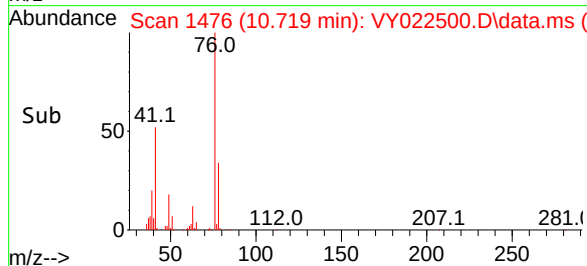
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



Tgt Ion: 76 Resp: 60889
Ion Ratio Lower Upper
76 100
78 31.6 25.8 38.8

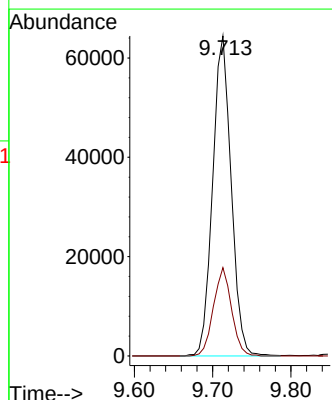
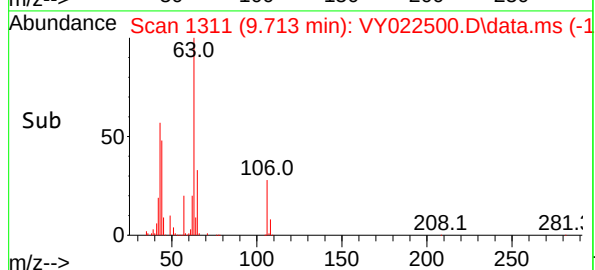
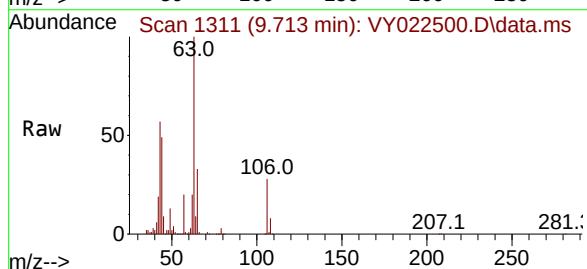
Manual Integrations
APPROVED

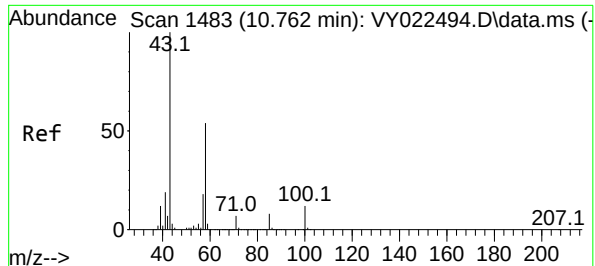
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#58
2-Chloroethyl Vinyl ether
Concen: 96.908 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

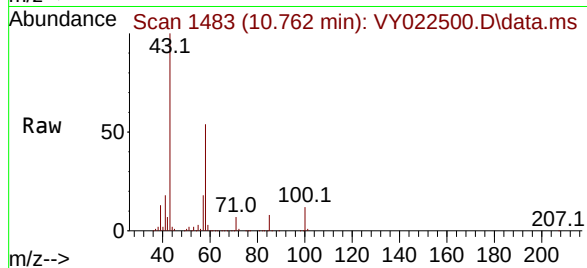
Tgt Ion: 63 Resp: 105730
Ion Ratio Lower Upper
63 100
106 27.0 21.6 32.4





#59
2-Hexanone
Concen: 96.426 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

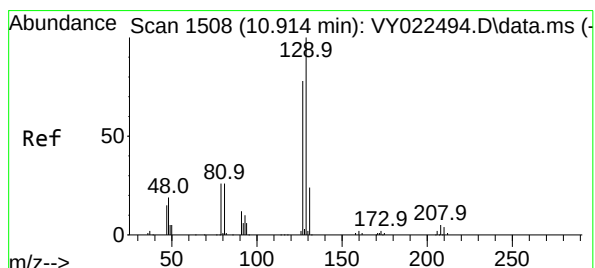
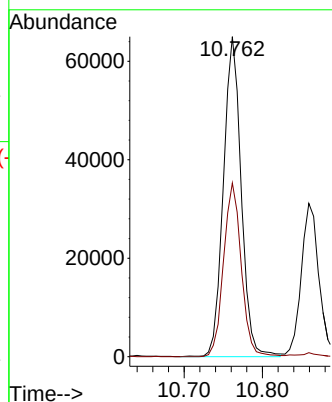
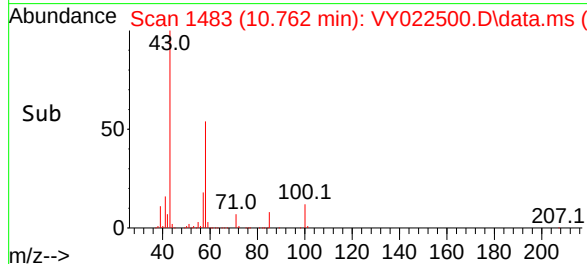
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



Tgt Ion: 43 Resp: 102819
Ion Ratio Lower Upper
43 100
58 54.1 27.3 81.8

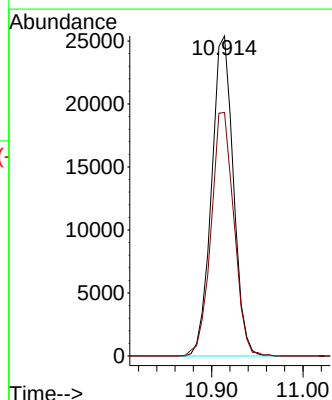
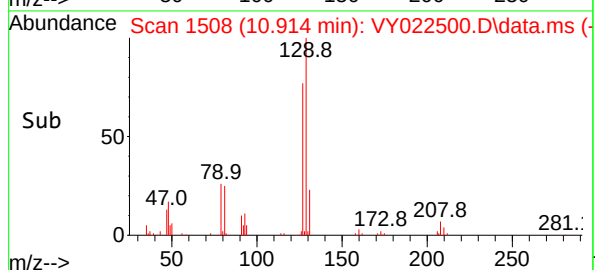
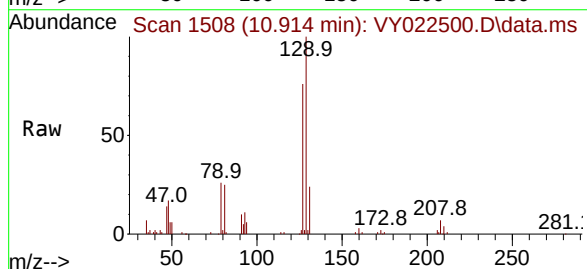
Manual Integrations
APPROVED

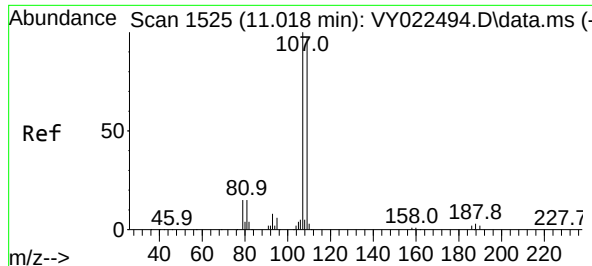
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#60
Dibromochloromethane
Concen: 19.901 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

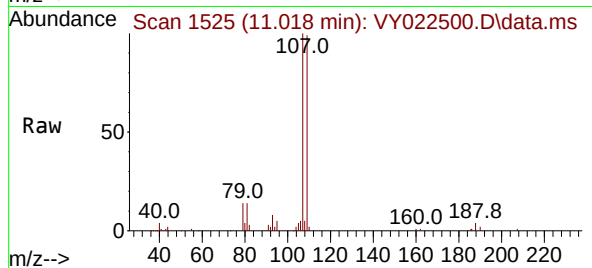
Tgt Ion:129 Resp: 42049
Ion Ratio Lower Upper
129 100
127 79.7 39.1 117.2





#61
1,2-Dibromoethane
Concen: 20.694 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

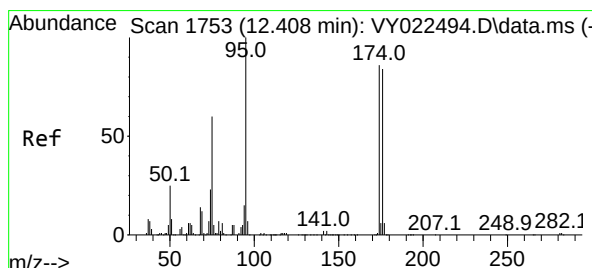
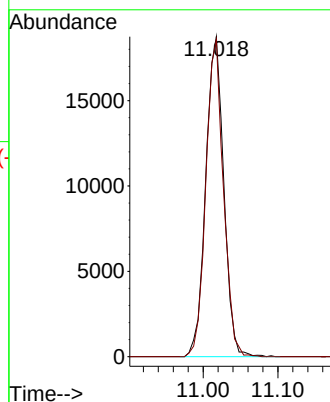
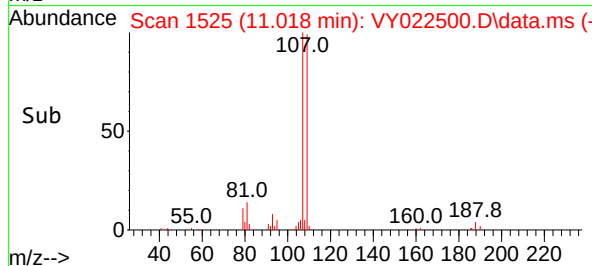
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



Tgt Ion:107 Resp: 31360
Ion Ratio Lower Upper
107 100
109 96.4 77.7 116.5

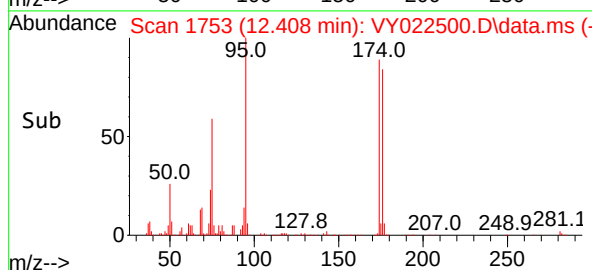
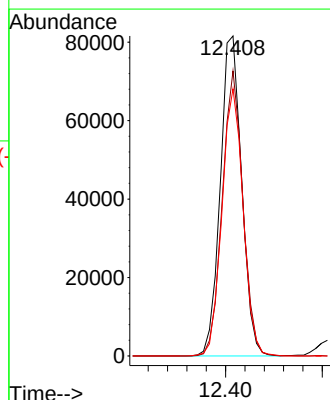
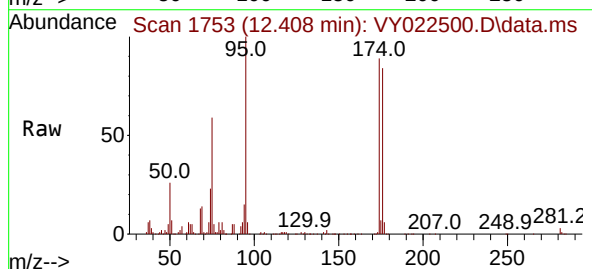
Manual Integrations
APPROVED

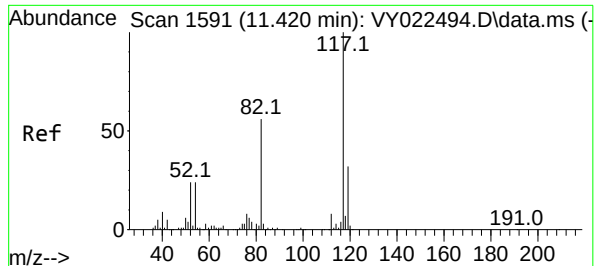
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#62
4-Bromofluorobenzene
Concen: 50.748 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 95 Resp: 124988
Ion Ratio Lower Upper
95 100
174 85.7 0.0 170.0
176 82.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion:117 Resp: 29138

Ion Ratio Lower Upper

117 100

82 57.3 44.6 66.8

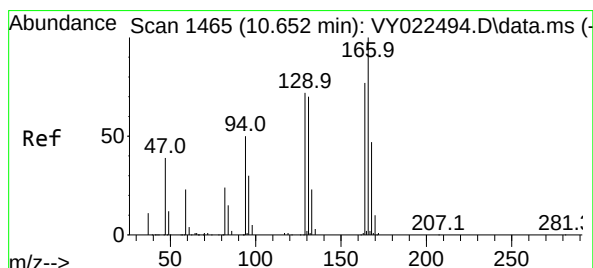
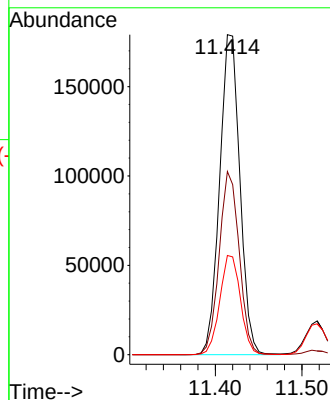
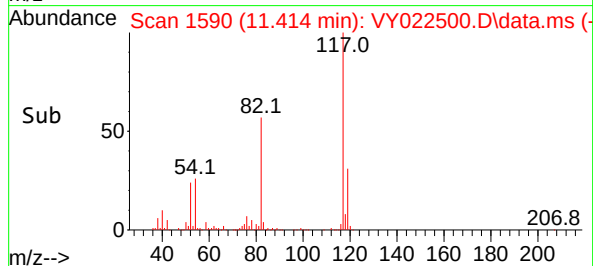
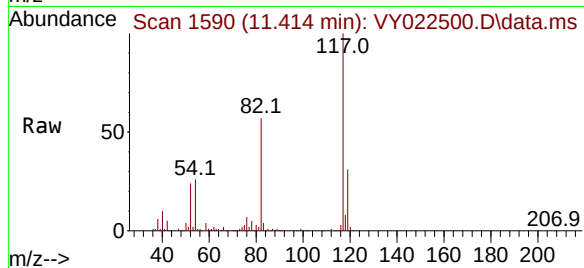
119 31.0 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#64

Tetrachloroethene

Concen: 20.762 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Tgt Ion:164 Resp: 52041

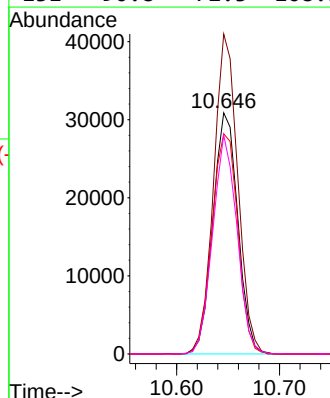
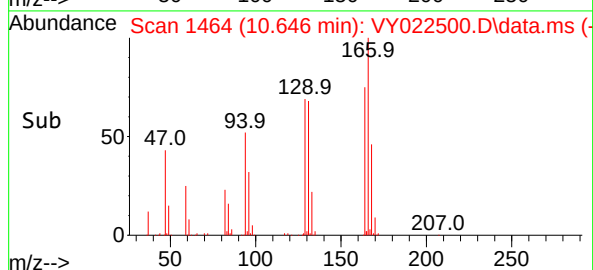
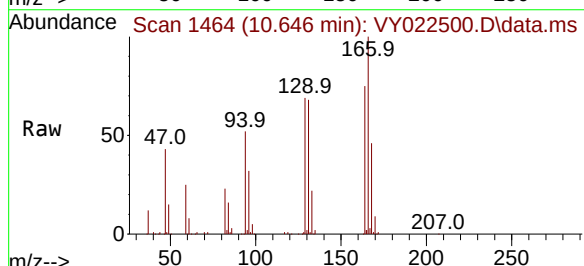
Ion Ratio Lower Upper

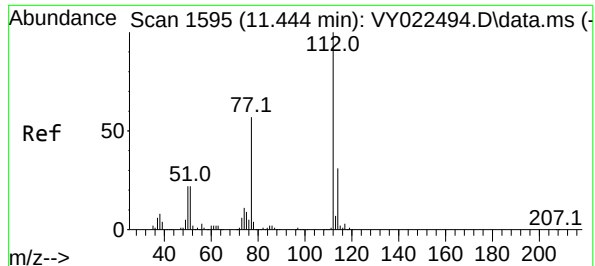
164 100

166 132.8 104.0 156.0

129 91.3 74.5 111.7

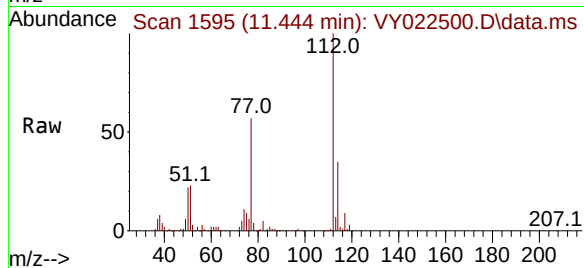
131 90.8 72.3 108.5





#65
Chlorobenzene
Concen: 20.287 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

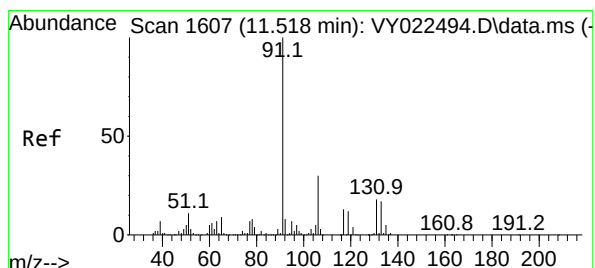
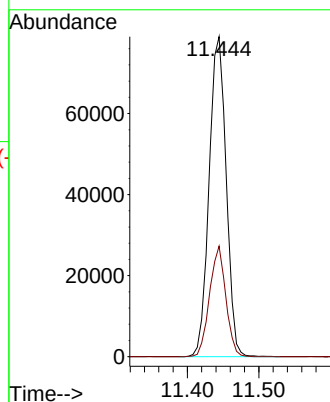
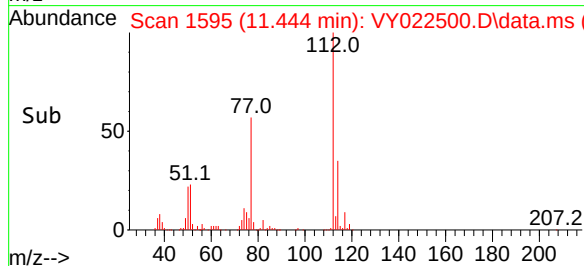
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



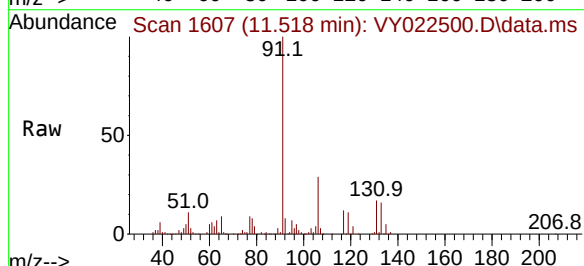
Tgt Ion:112 Resp: 130814
Ion Ratio Lower Upper
112 100
114 34.6 25.0 37.6

Manual Integrations
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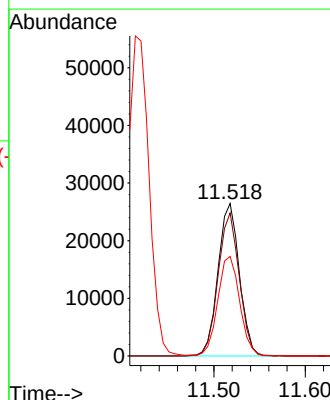
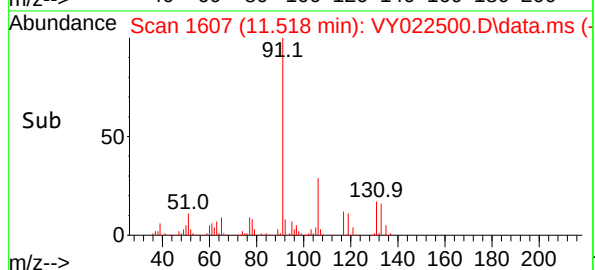
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

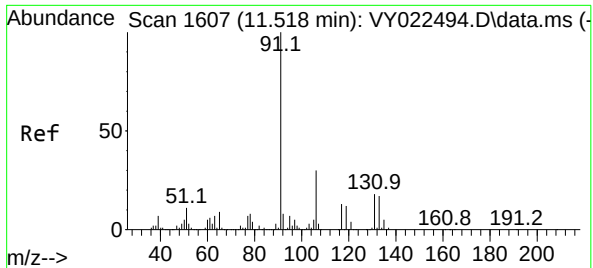


#66
1,1,1,2-Tetrachloroethane
Concen: 19.751 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24



Tgt Ion:131 Resp: 42902
Ion Ratio Lower Upper
131 100
133 93.3 47.3 141.8
119 67.3 33.1 99.3





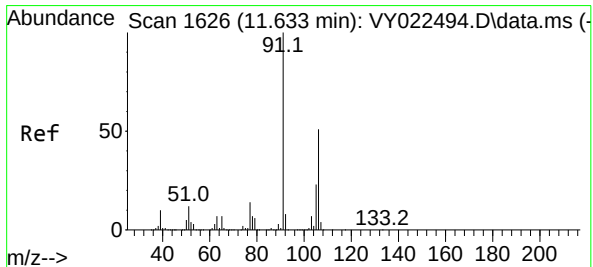
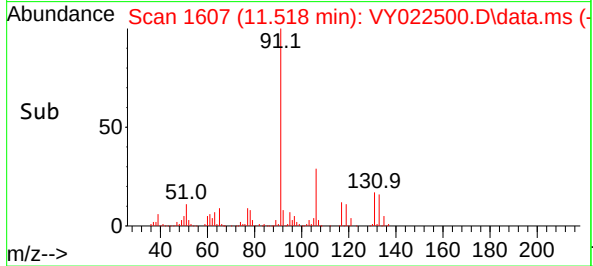
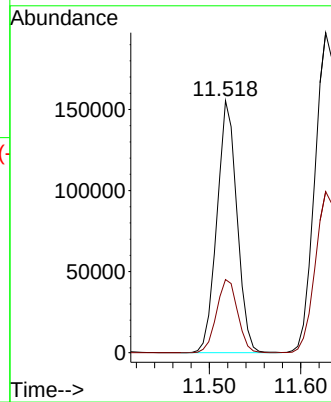
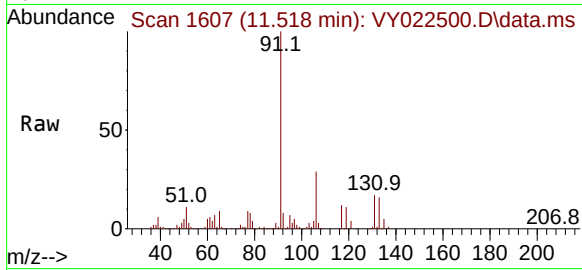
#67
Ethyl Benzene
Concen: 19.784 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Tgt Ion: 91 Resp: 236610
Ion Ratio Lower Upper
91 100
106 29.0 24.2 36.4

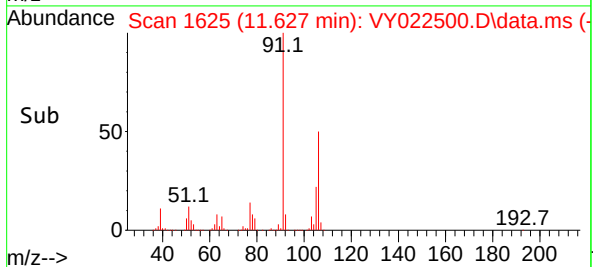
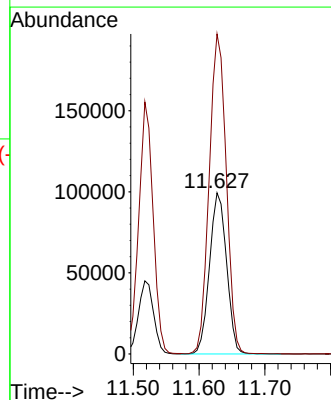
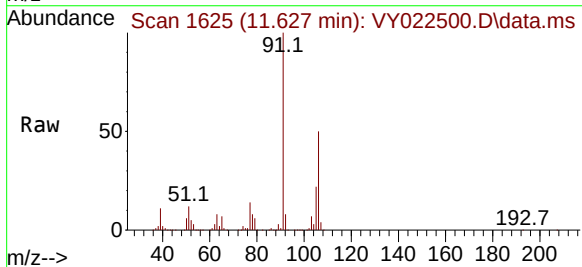
Manual Integrations
APPROVED

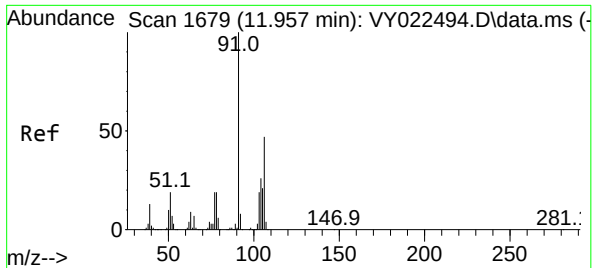
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#68
m/p-Xylenes
Concen: 39.592 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

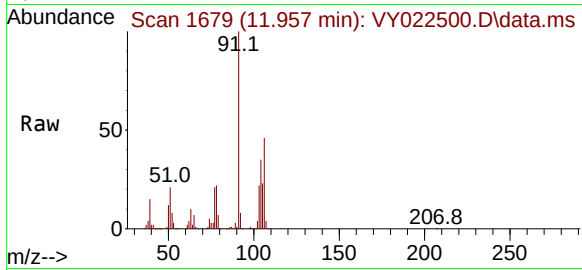
Tgt Ion:106 Resp: 179501
Ion Ratio Lower Upper
106 100
91 198.0 159.4 239.0





#69
o-Xylene
Concen: 19.844 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

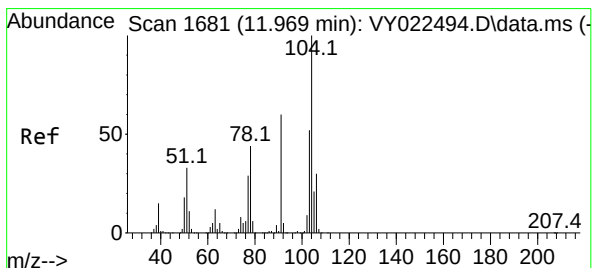
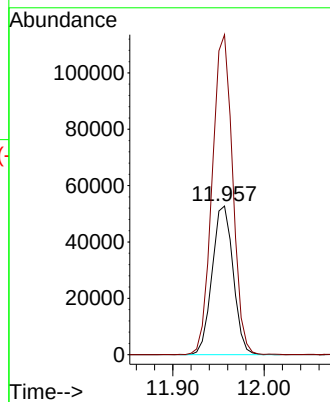
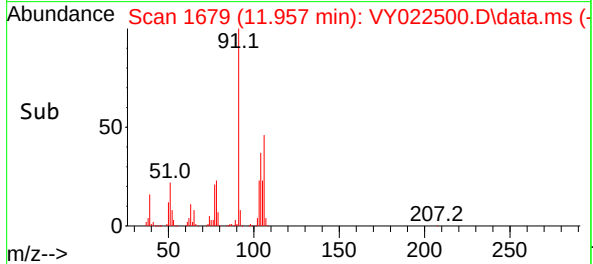
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



Tgt Ion:106 Resp: 8435
Ion Ratio Lower Upper
106 100
91 209.3 105.8 317.3

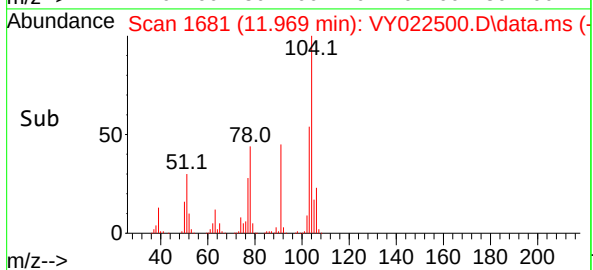
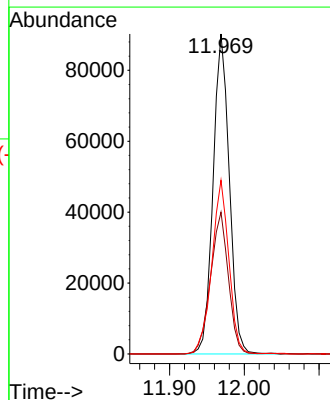
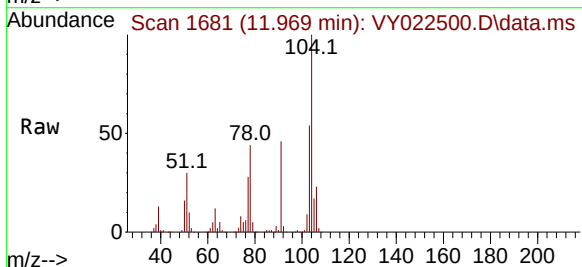
Manual Integrations
APPROVED

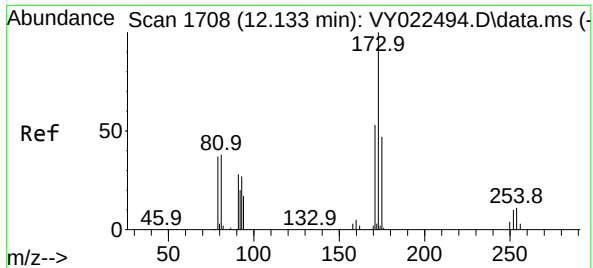
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#70
Styrene
Concen: 19.381 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

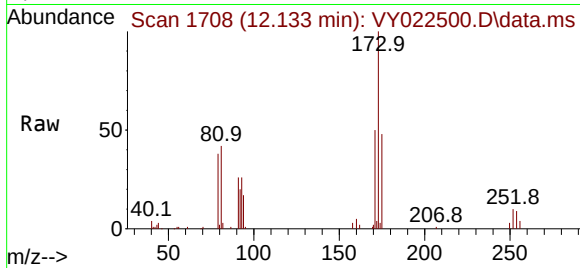
Tgt Ion:104 Resp: 136180
Ion Ratio Lower Upper
104 100
78 48.8 39.5 59.3
103 57.1 44.1 66.1





#71
Bromoform
Concen: 19.595 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

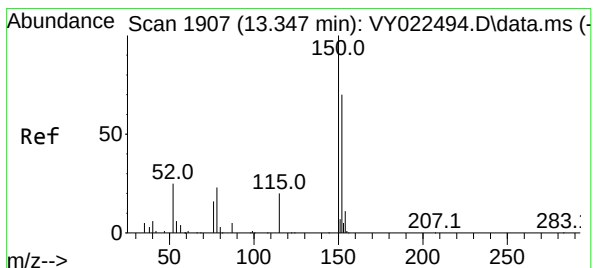
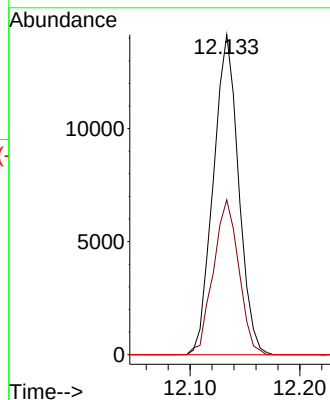
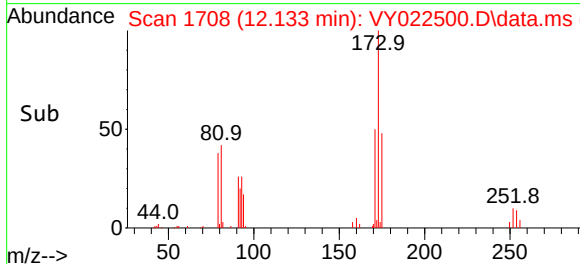
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



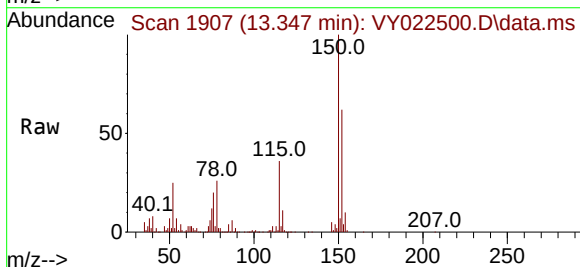
Tgt Ion:173 Resp: 22650
Ion Ratio Lower Upper
173 100
175 48.9 23.8 71.5
254 0.0 0.0 0.0

Manual Integrations
APPROVED

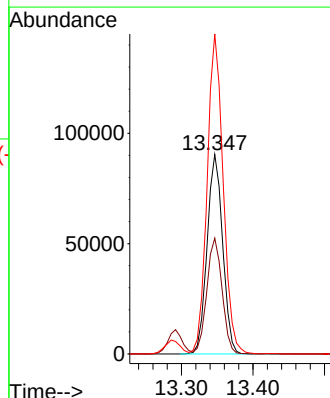
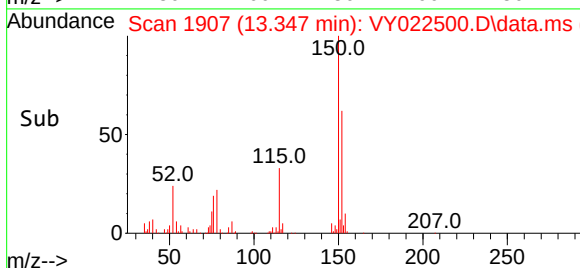
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

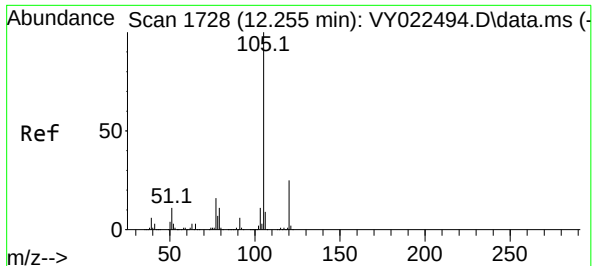


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24



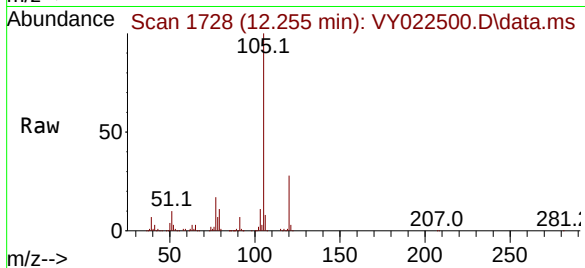
Tgt Ion:152 Resp: 136847
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.7
150 164.3 0.0 349.6





#73
Isopropylbenzene
Concen: 19.645 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

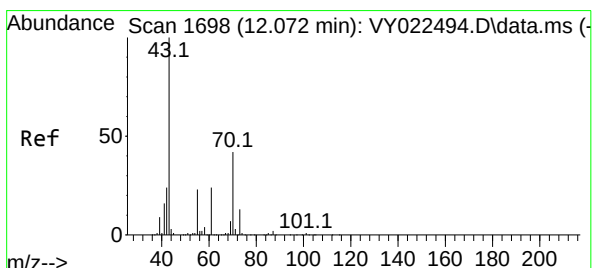
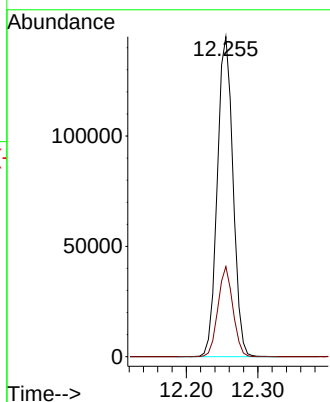
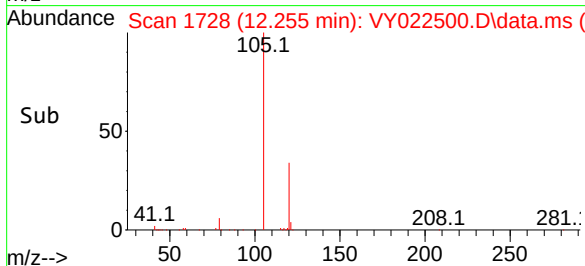
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



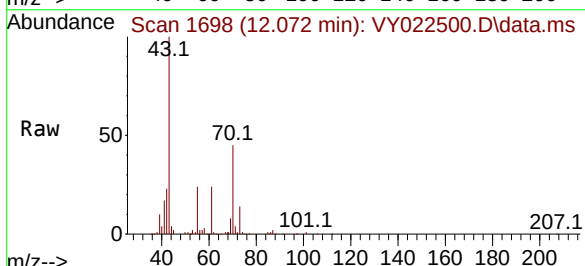
Tgt Ion:105 Resp: 220709
Ion Ratio Lower Upper
105 100
120 26.7 13.0 38.9

Manual Integrations
APPROVED

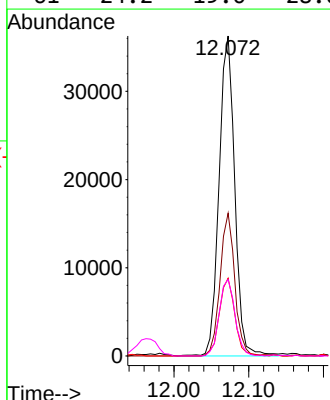
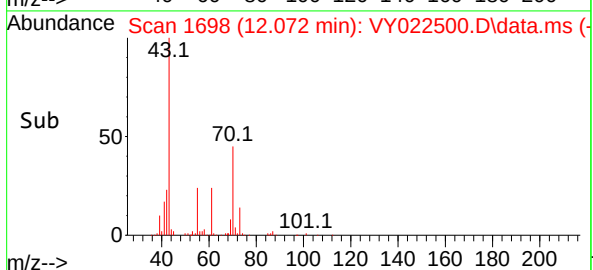
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

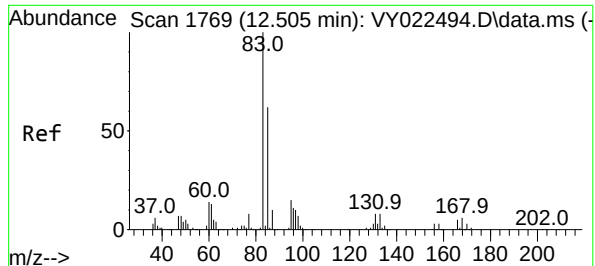


#74
N-ethyl acetate
Concen: 18.714 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24



Tgt Ion: 43 Resp: 53050
Ion Ratio Lower Upper
43 100
70 41.9 34.2 51.2
55 24.0 18.2 27.4
61 24.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.093 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

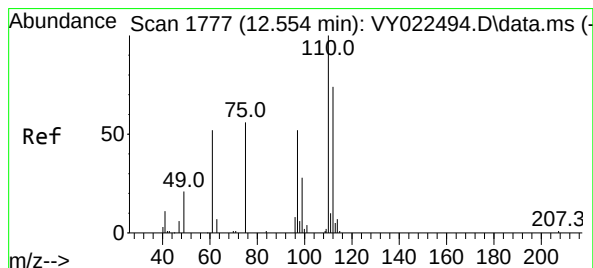
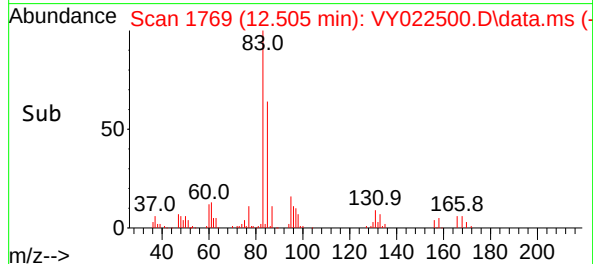
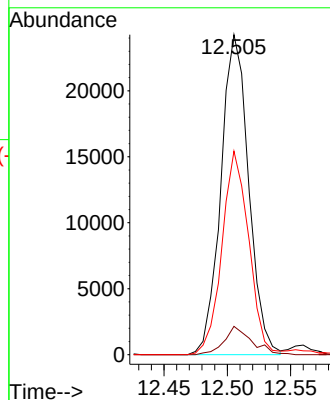
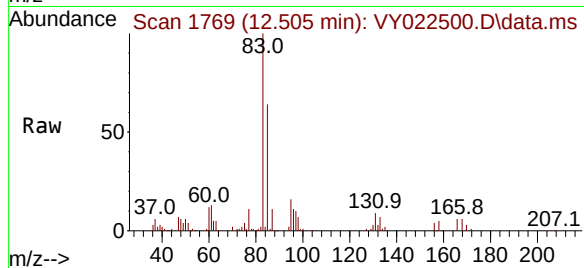
Tgt Ion:	83	Resp:	3705
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.9	14.7
85	61.3	32.6	97.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#76

1,2,3-Trichloropropane

Concen: 17.857 ug/l m

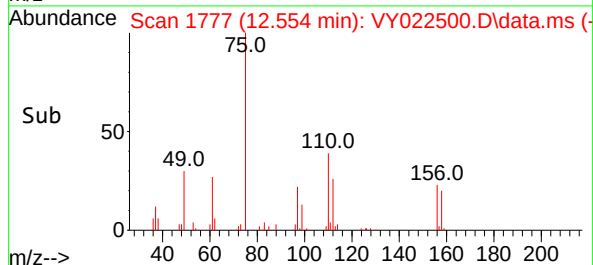
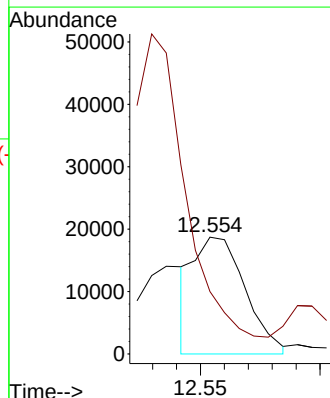
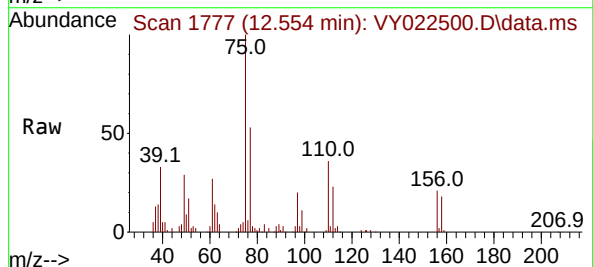
RT: 12.554 min Scan# 1777

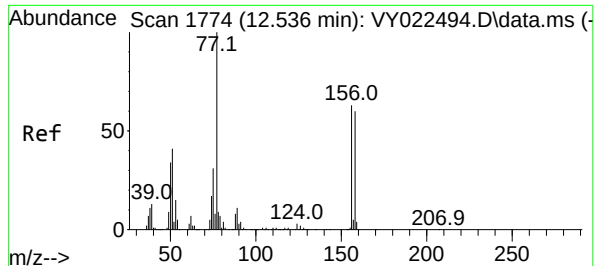
Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Tgt Ion:	75	Resp:	27956
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.395 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

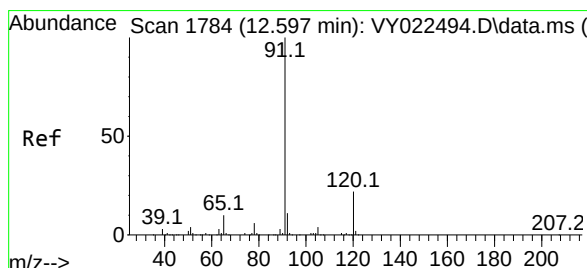
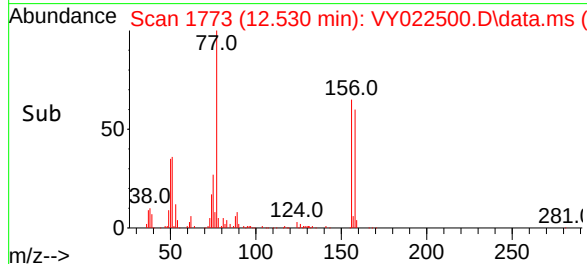
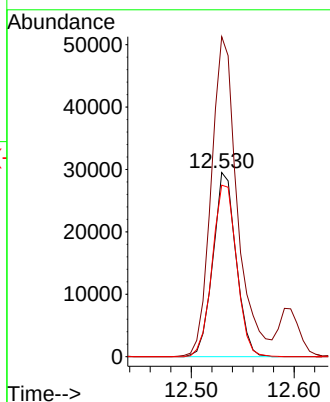
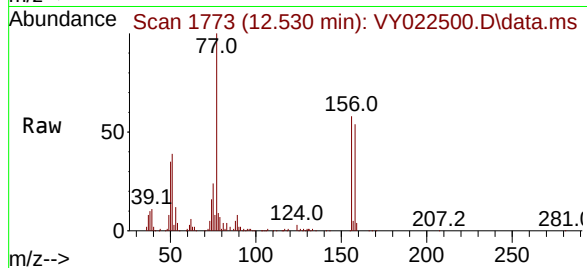
VY0602SBS01

Tgt Ion:	156	Resp:	45984
Ion Ratio	Lower	Upper	
156	100		
77	196.9	94.0	282.1
158	98.3	48.2	144.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#78

n-propylbenzene

Concen: 19.799 ug/l

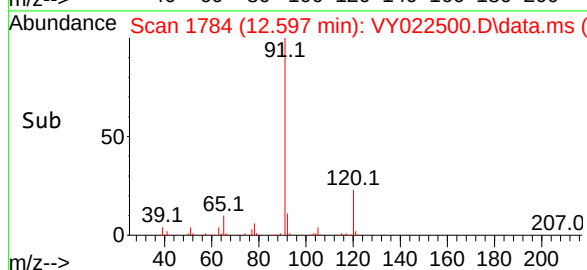
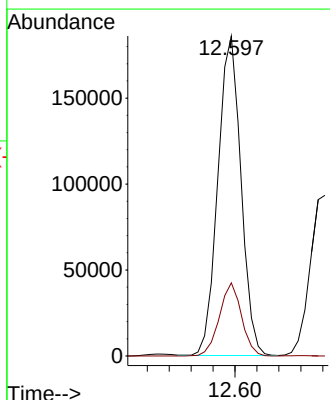
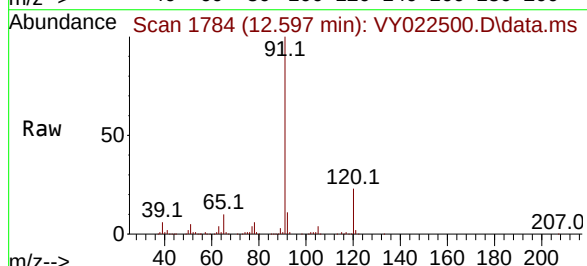
RT: 12.597 min Scan# 1784

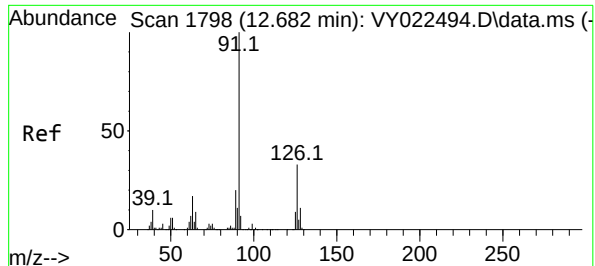
Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Tgt Ion:	91	Resp:	271685
Ion Ratio	Lower	Upper	
91	100		
120	22.0	10.8	32.4





#79

2-Chlorotoluene

Concen: 19.693 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion: 91 Resp: 143224

Ion Ratio Lower Upper

91 100

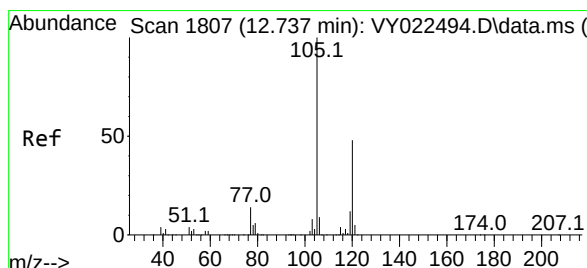
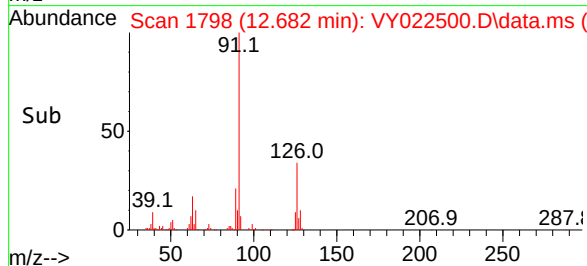
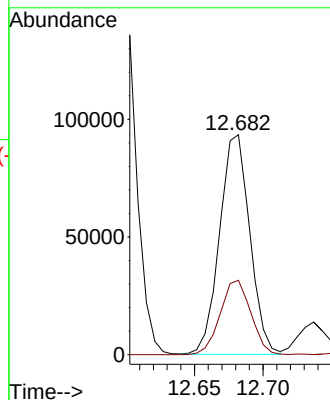
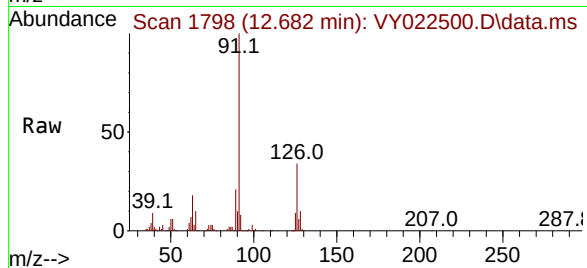
126 34.4 17.0 51.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.571 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022500.D

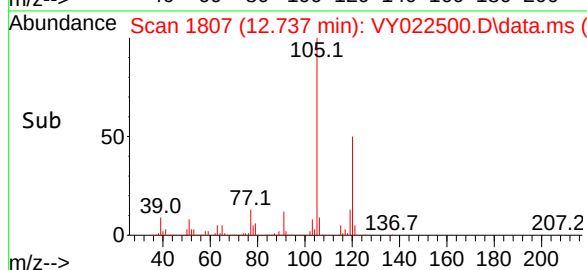
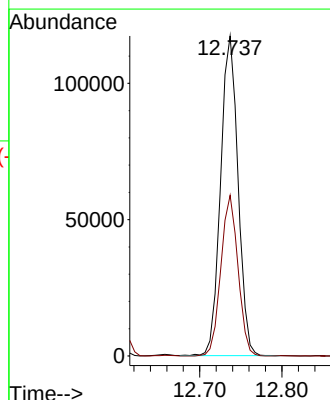
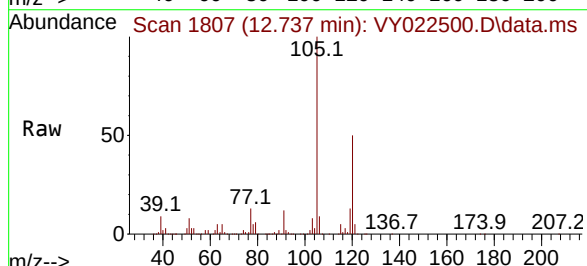
Acq: 02 Jun 2025 16:24

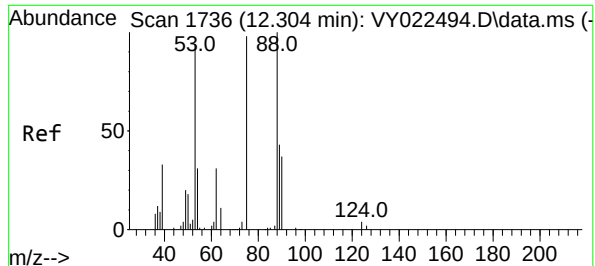
Tgt Ion:105 Resp: 172628

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.4





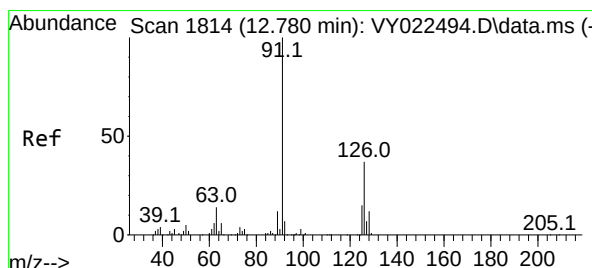
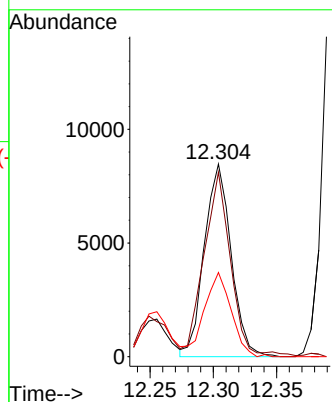
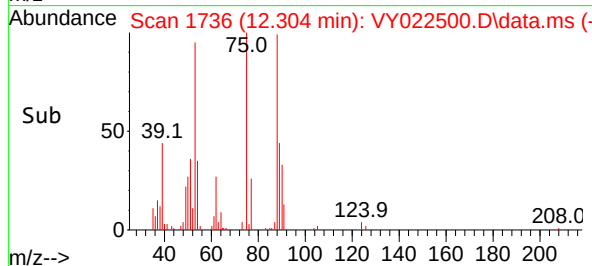
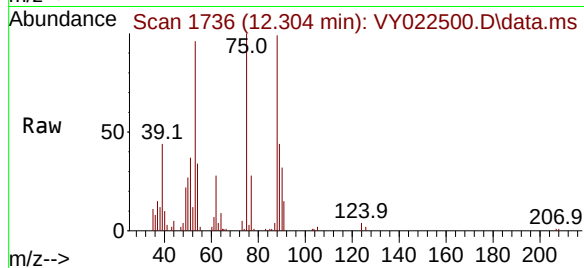
#81
trans-1,4-Dichloro-2-butene
Concen: 19.335 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Tgt Ion: 75 Resp: 12538
Ion Ratio Lower Upper
75 100
53 93.3 78.5 117.7
89 44.1 35.7 53.5

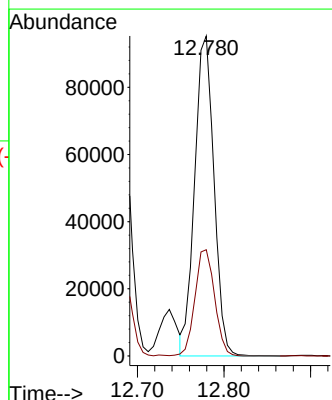
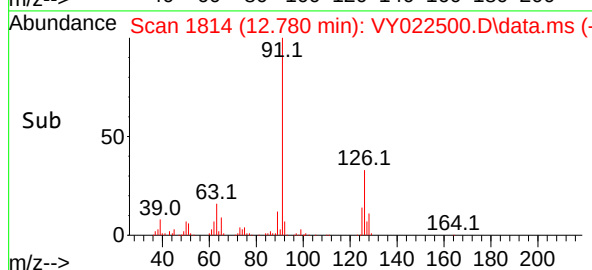
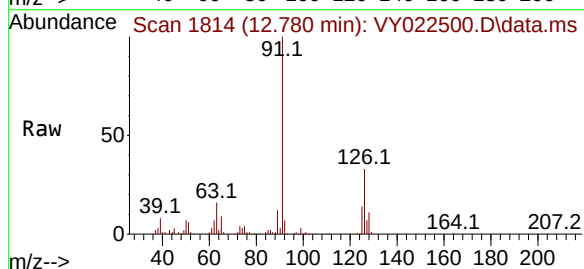
Manual Integrations
APPROVED

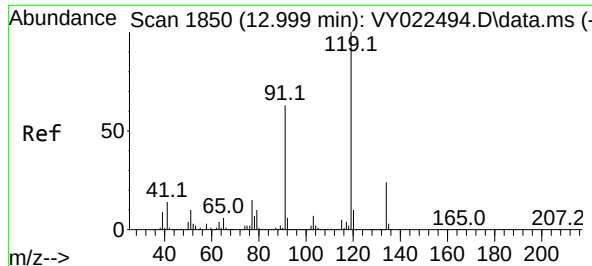
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#82
4-Chlorotoluene
Concen: 19.662 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 91 Resp: 147519
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#83

tert-Butylbenzene

Concen: 20.089 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion:119 Resp: 15903

Ion Ratio Lower Upper

119 100

91 64.6 32.1 96.3

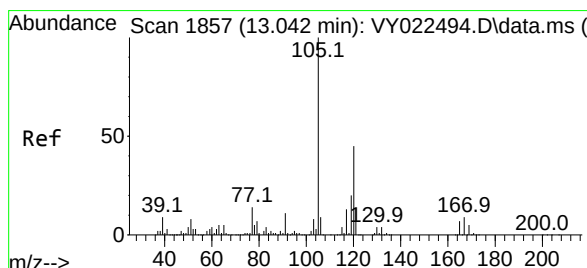
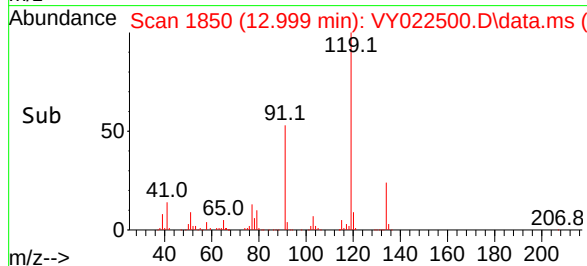
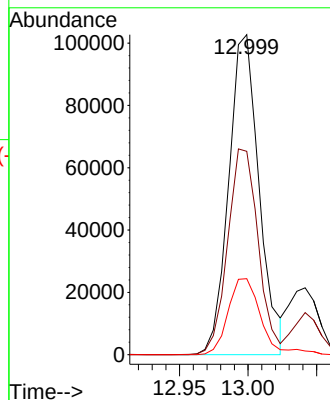
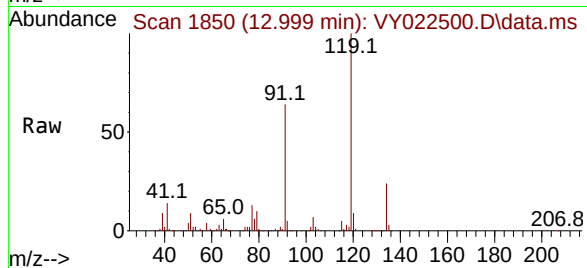
134 25.7 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.562 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022500.D

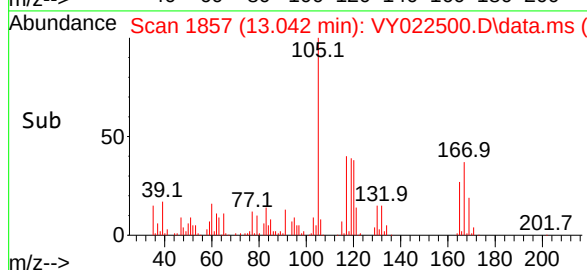
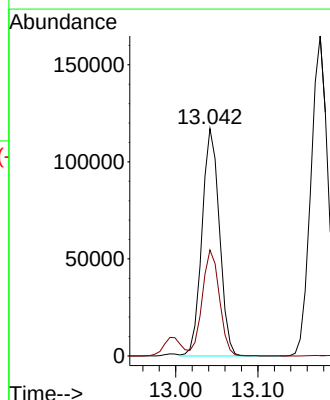
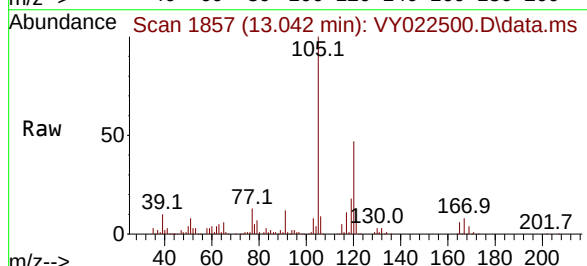
Acq: 02 Jun 2025 16:24

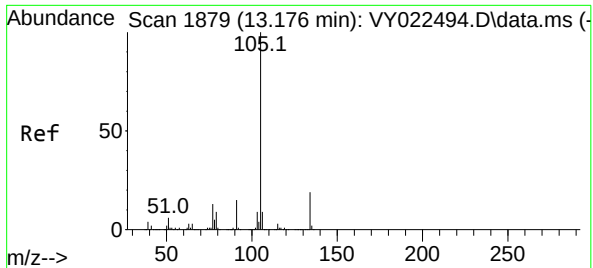
Tgt Ion:105 Resp: 172573

Ion Ratio Lower Upper

105 100

120 45.6 22.7 68.1





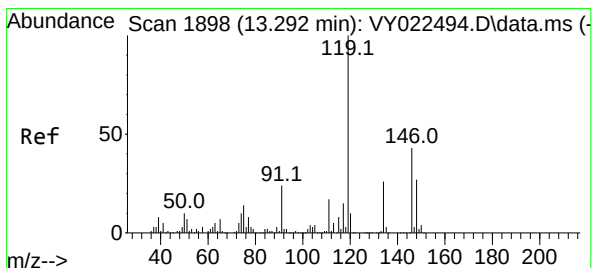
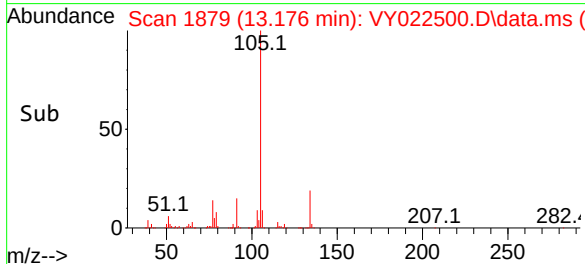
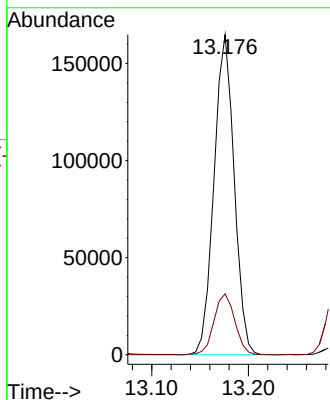
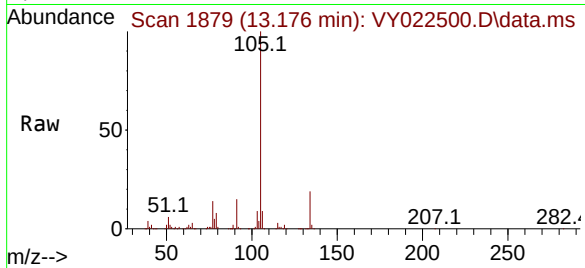
#85
 sec-Butylbenzene
 Concen: 19.684 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY022500.D
 Acq: 02 Jun 2025 16:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0602SBS01

Tgt Ion:105 Resp: 23866
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 28.9

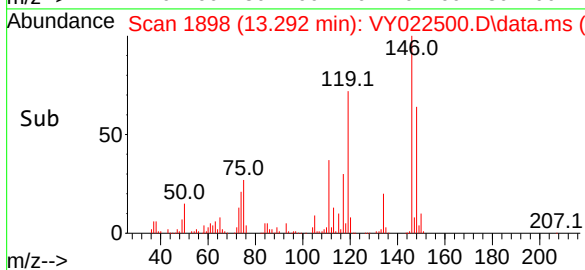
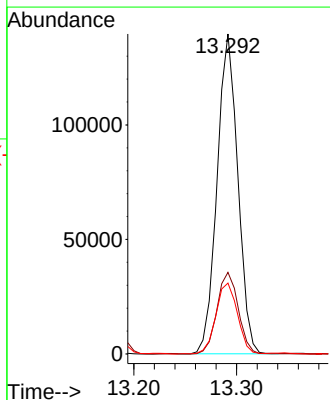
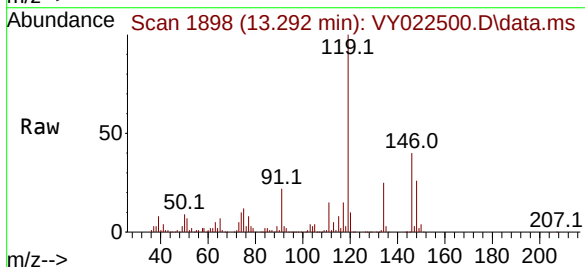
Manual Integrations
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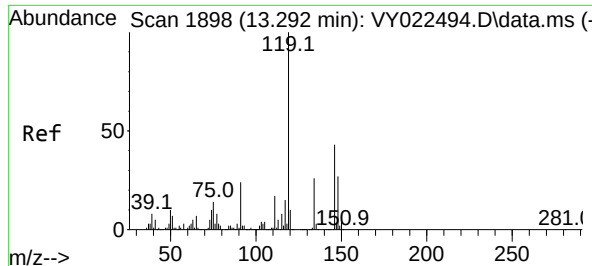
Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025



#86
 p-Isopropyltoluene
 Concen: 19.569 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY022500.D
 Acq: 02 Jun 2025 16:24

Tgt Ion:119 Resp: 195572
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.1
 91 23.1 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 19.207 ug/l

RT: 13.286 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

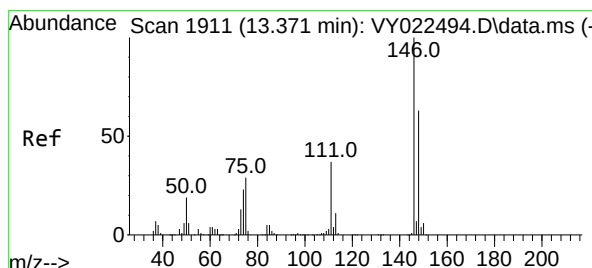
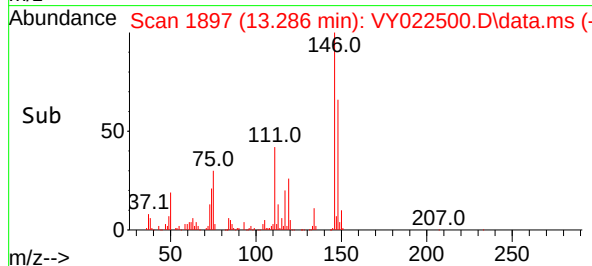
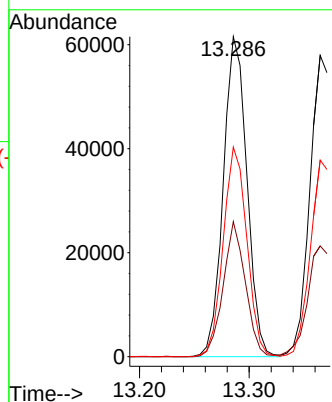
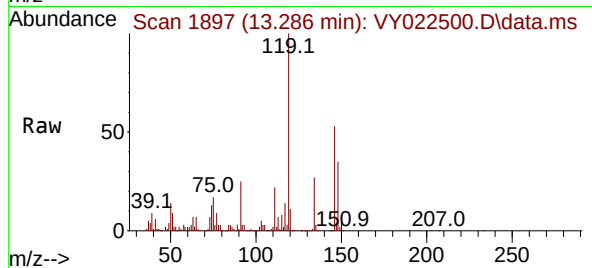
VY0602SBS01

Tgt Ion:146	Resp:	92264
Ion Ratio	Lower	Upper
146	100	
111	39.5	20.1 60.2
148	65.5	32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#88

1,4-Dichlorobenzene

Concen: 19.614 ug/l

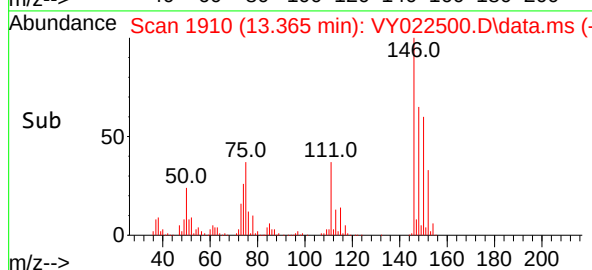
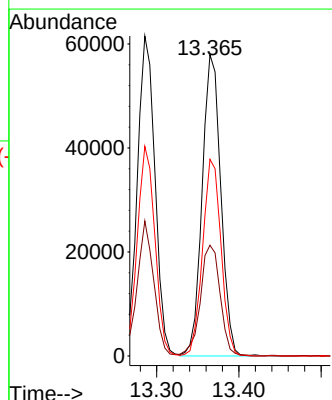
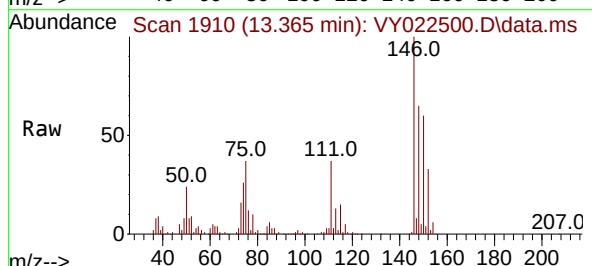
RT: 13.365 min Scan# 1910

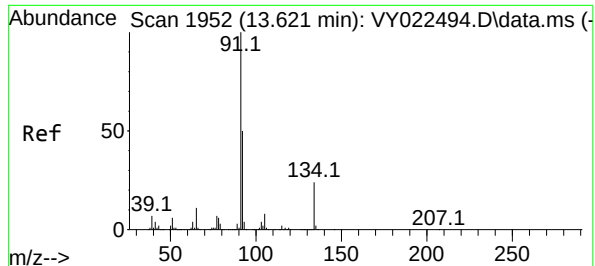
Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Tgt Ion:146	Resp:	91384
Ion Ratio	Lower	Upper
146	100	
111	38.9	19.4 58.2
148	64.6	31.6 94.8





#89

n-Butylbenzene

Concen: 19.733 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

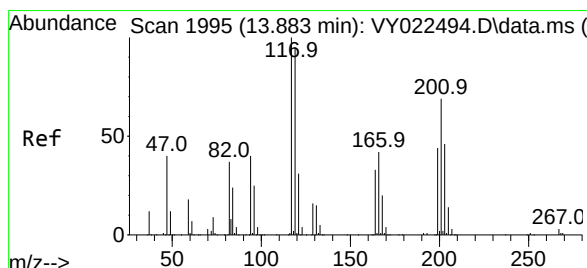
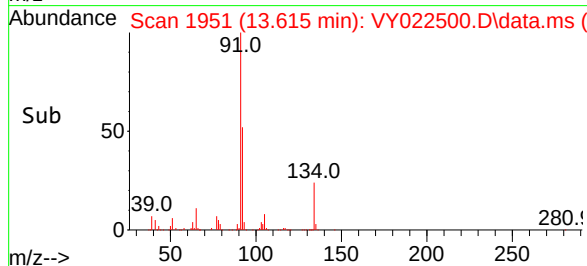
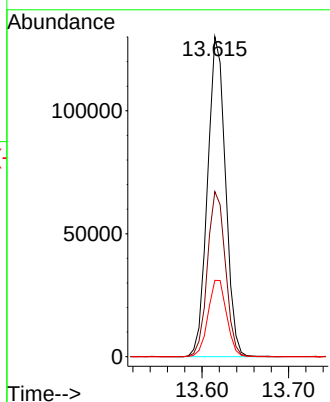
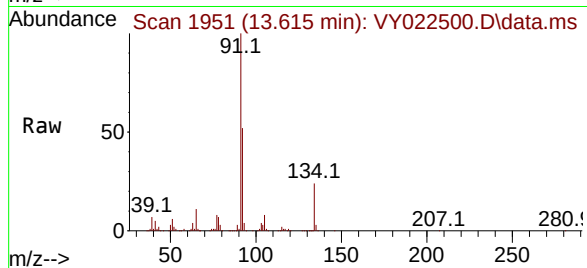
VY0602SBS01

Tgt Ion: 91	Resp: 18710
Ion Ratio	Lower Upper
91 100	
92 51.8	25.9 77.8
134 24.8	12.0 36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#90

Hexachloroethane

Concen: 20.679 ug/l

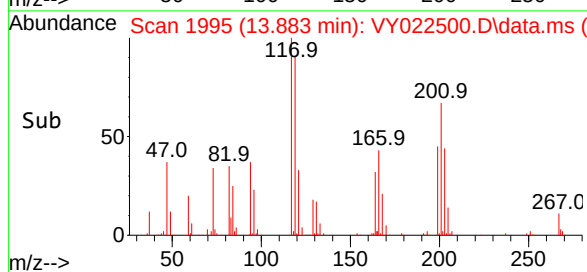
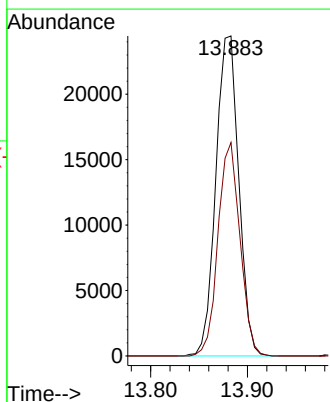
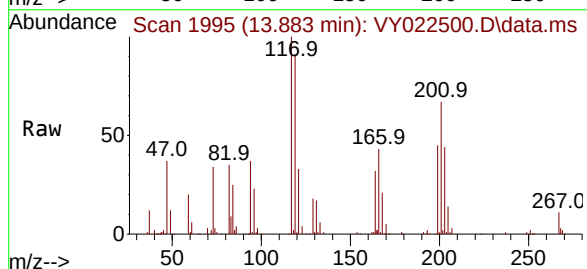
RT: 13.883 min Scan# 1995

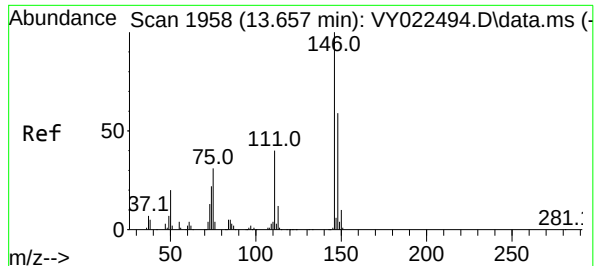
Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

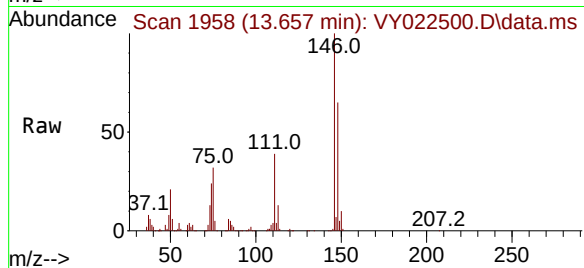
Tgt Ion:117	Resp: 40235
Ion Ratio	Lower Upper
117 100	
201 64.1	34.0 102.0





#91
1,2-Dichlorobenzene
Concen: 20.026 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

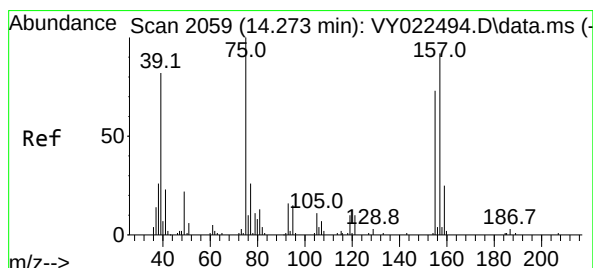
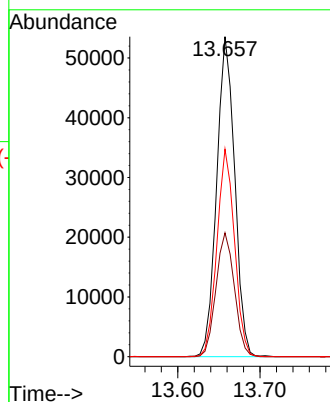
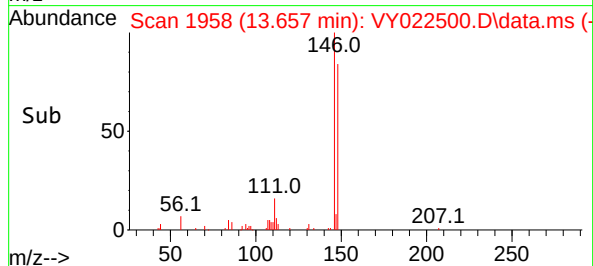
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01



Tgt Ion:146 Resp: 81679
Ion Ratio Lower Upper
146 100
111 39.4 20.2 60.6
148 63.2 31.4 94.0

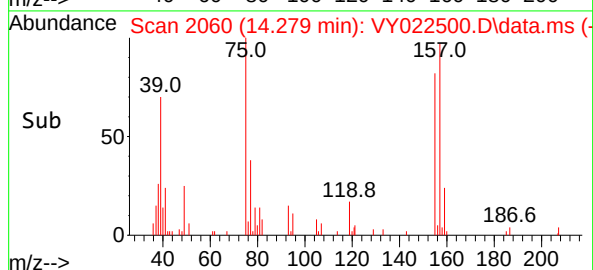
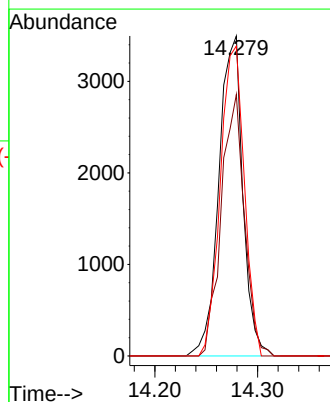
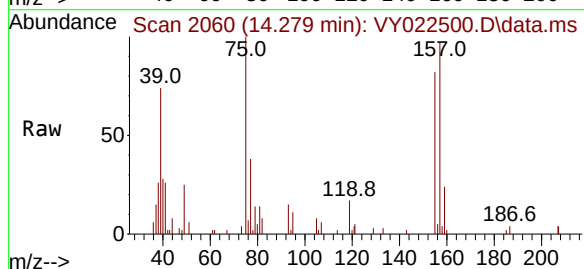
Manual Integrations
APPROVED

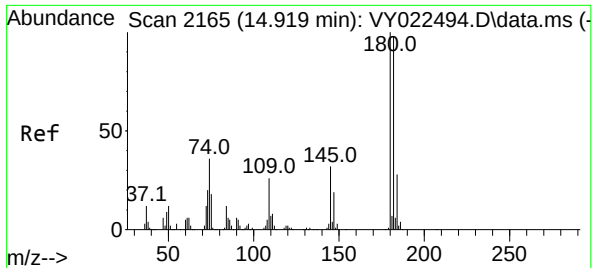
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.993 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 75 Resp: 5636
Ion Ratio Lower Upper
75 100
155 79.3 39.9 119.6
157 97.2 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 20.717 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022500.D

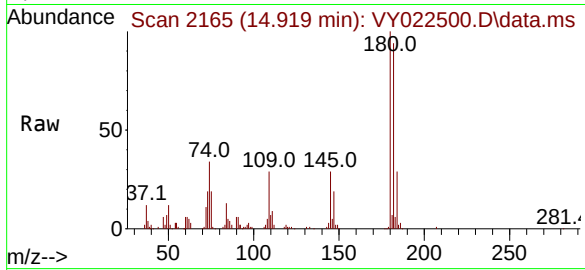
Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01



Tgt Ion:180 Resp: 4608

Ion Ratio Lower Upper

180 100

182 95.0 48.4 145.3

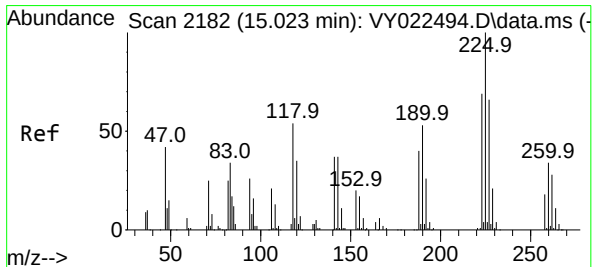
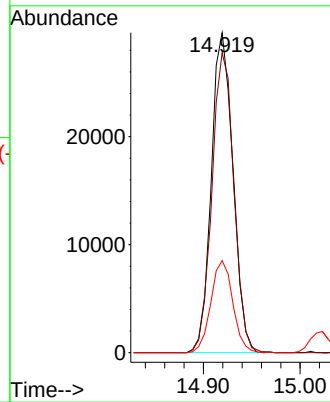
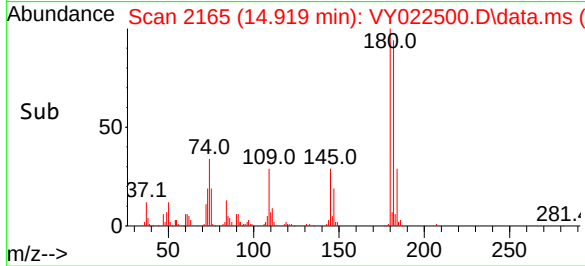
145 29.2 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#94

Hexachlorobutadiene

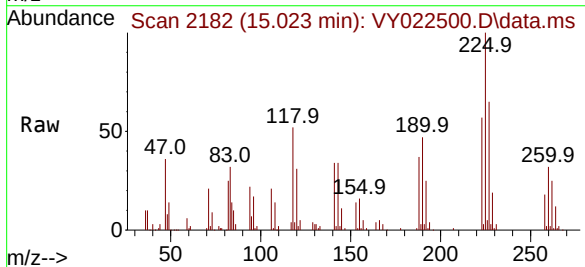
Concen: 21.241 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24



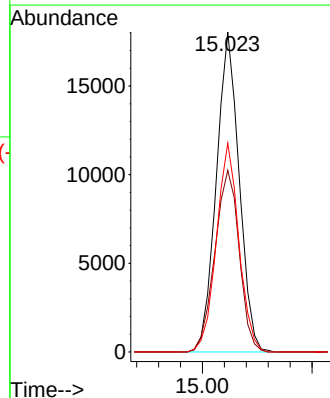
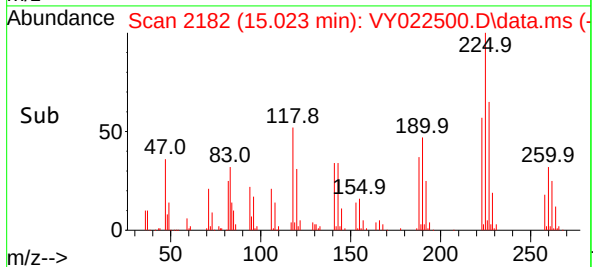
Tgt Ion:225 Resp: 26078

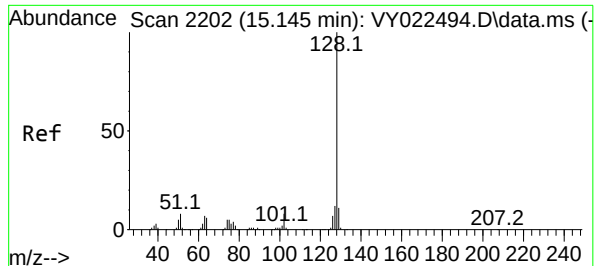
Ion Ratio Lower Upper

225 100

223 60.5 32.5 97.4

227 64.4 32.3 96.9





#95

Naphthalene

Concen: 20.273 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0602SBS01

Tgt Ion:128 Resp: 86538

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

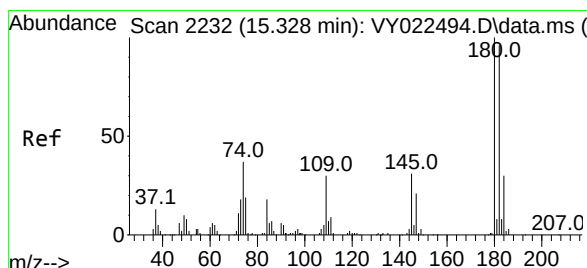
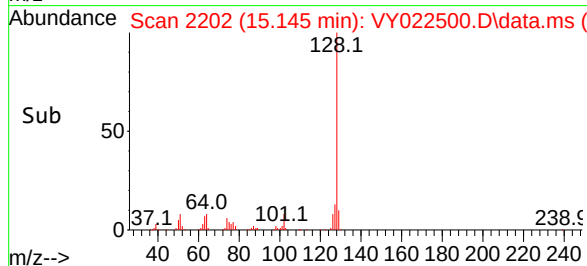
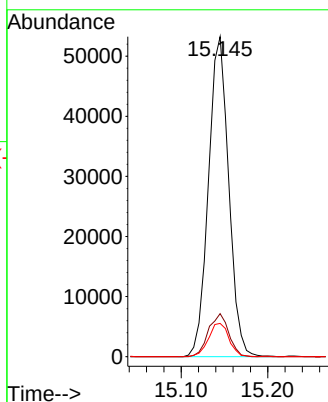
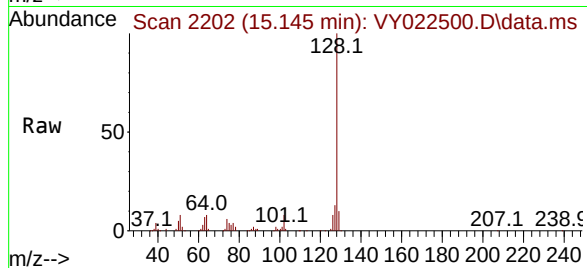
129 10.6 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.981 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022500.D

Acq: 02 Jun 2025 16:24

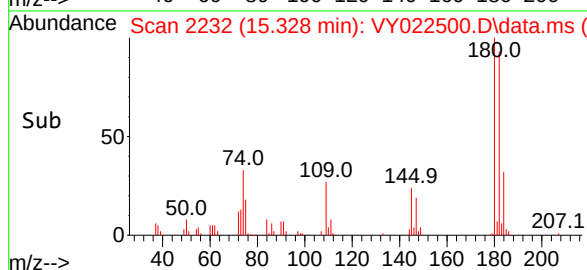
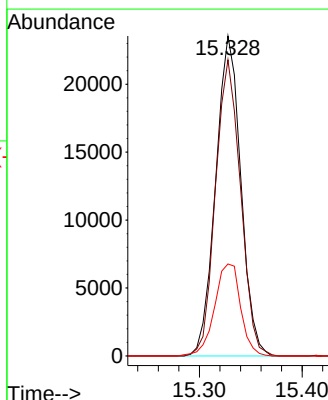
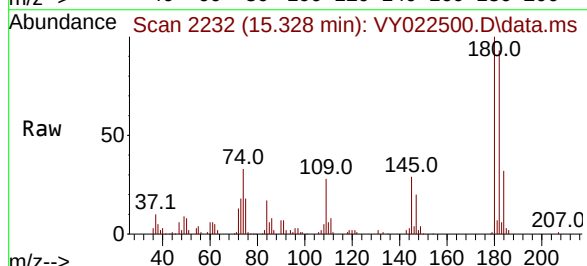
Tgt Ion:180 Resp: 39996

Ion Ratio Lower Upper

180 100

182 91.8 47.1 141.3

145 29.8 15.2 45.6



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBSD01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
	ID : 0.25	Test:	VOC-TCLVOA-10
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022456.D	1		05/29/25 09:50	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	23.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	26.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	28.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	27.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	25.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	22.1		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	23.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	25.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	22.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBSD01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022456.D	1		05/29/25 09:50	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		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	20.3		0.82	5.00	ug/Kg
100-42-5	Styrene	20.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.2		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	22.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	51.6		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	206000	7.713			
540-36-3	1,4-Difluorobenzene	360000	8.622			
3114-55-4	Chlorobenzene-d5	306000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.347			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBSD01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022456.D	1		05/29/25 09:50	VY052925

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\VY052925\
 Data File : VY022456.D
 Acq On : 29 May 2025 09:50
 Operator : SY/MD
 Sample : VY0529SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0529SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh

Dadoda

05/30/2025

Supervised By :Semsettin

Yesilyurt

05/30/2025

Quant Time: May 30 05:30:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	205776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	359832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	305847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	140548	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	119518	55.142	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.280%
35) Dibromofluoromethane	7.640	113	110555	52.463	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.920%
50) Toluene-d8	10.109	98	443079	51.578	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.160%
62) 4-Bromofluorobenzene	12.408	95	129686	49.908	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.820%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	45950	23.405	ug/l	96
3) Chloromethane	2.068	50	127635	26.430	ug/l	99
4) Vinyl Chloride	2.208	62	143639	24.484	ug/l	98
5) Bromomethane	2.598	94	153498	28.792	ug/l	96
6) Chloroethane	2.739	64	103463	26.988	ug/l	99
7) Trichlorofluoromethane	3.050	101	125182	25.290	ug/l	97
8) Diethyl Ether	3.458	74	27089	23.735	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	46248	21.297	ug/l	100
10) Methyl Iodide	4.007	142	52695	21.509	ug/l	98
11) Tert butyl alcohol	4.897	59	18285	119.684	ug/l	99
12) 1,1-Dichloroethene	3.793	96	47557	22.059	ug/l	96
13) Acrolein	3.659	56	23667	103.387	ug/l	99
14) Allyl chloride	4.391	41	72904	22.480	ug/l	98
15) Acrylonitrile	5.068	53	53746	116.830	ug/l	100
16) Acetone	3.885	43	41379	116.179	ug/l	96
17) Carbon Disulfide	4.110	76	148882	21.639	ug/l	99
18) Methyl Acetate	4.391	43	33619	25.198	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	131747	23.017	ug/l	99
20) Methylene Chloride	4.629	84	53789	21.387	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	51482	21.873	ug/l	97
22) Diisopropyl ether	6.025	45	161945	22.626	ug/l	98
23) Vinyl Acetate	5.970	43	456630	111.108	ug/l	98
24) 1,1-Dichloroethane	5.921	63	96288	22.766	ug/l	99
25) 2-Butanone	6.903	43	68030	114.690	ug/l	99
26) 2,2-Dichloropropane	6.890	77	81729	21.341	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	59568	21.861	ug/l	99
28) Bromochloromethane	7.256	49	38824	21.983	ug/l	100
29) Tetrahydrofuran	7.274	42	46439	117.391	ug/l	98
30) Chloroform	7.427	83	94926	22.777	ug/l	98
31) Cyclohexane	7.707	56	86206	20.677	ug/l #	93
32) 1,1,1-Trichloroethane	7.622	97	81565	21.565	ug/l	98
36) 1,1-Dichloropropene	7.841	75	69669	20.835	ug/l	100
37) Ethyl Acetate	6.994	43	31627	22.255	ug/l	96
38) Carbon Tetrachloride	7.823	117	71355	20.484	ug/l	94
39) Methylcyclohexane	9.116	83	88788	19.975	ug/l	97
40) Benzene	8.085	78	212449	21.352	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022456.D
 Acq On : 29 May 2025 09:50
 Operator : SY/MD
 Sample : VY0529SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0529SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh

Dadoda

05/30/2025

Supervised By :Semsettin

Yesilyurt

05/30/2025

Quant Time: May 30 05:30:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	17862	20.709	ug/l	89
42) 1,2-Dichloroethane	8.165	62	57566	21.906	ug/l	100
43) Isopropyl Acetate	8.201	43	68235	21.973	ug/l #	87
44) Trichloroethene	8.872	130	51499	20.937	ug/l	98
45) 1,2-Dichloropropane	9.146	63	51267	21.930	ug/l	96
46) Dibromomethane	9.238	93	28152	21.556	ug/l	98
47) Bromodichloromethane	9.427	83	72157	21.486	ug/l	99
48) Methyl methacrylate	9.225	41	31618	21.934	ug/l	100
49) 1,4-Dioxane	9.238	88	6628	459.490	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	169643	110.718	ug/l	100
52) Toluene	10.176	92	127807	20.565	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	66189	21.159	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	77958	21.209	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	35077	21.244	ug/l	95
56) Ethyl methacrylate	10.445	69	50615	21.361	ug/l	97
57) 1,3-Dichloropropane	10.719	76	62576	21.506	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	124329	105.282	ug/l	98
59) 2-Hexanone	10.768	43	112377	111.915	ug/l	100
60) Dibromochloromethane	10.914	129	44484	21.090	ug/l	98
61) 1,2-Dibromoethane	11.018	107	32567	21.565	ug/l	100
64) Tetrachloroethene	10.652	164	54451	20.904	ug/l	97
65) Chlorobenzene	11.444	112	136170	20.880	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	45682	20.674	ug/l	98
67) Ethyl Benzene	11.524	91	245127	20.243	ug/l	99
68) m/p-Xylenes	11.633	106	183812	40.037	ug/l	100
69) o-Xylene	11.957	106	87779	20.343	ug/l	100
70) Styrene	11.975	104	146742	20.424	ug/l	100
71) Bromoform	12.133	173	24149	20.865	ug/l #	97
73) Isopropylbenzene	12.255	105	226043	20.435	ug/l	99
74) N-amyl acetate	12.072	43	58739	21.701	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	37969	21.786	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	26369m	18.730	ug/l	
77) Bromobenzene	12.536	156	48852	20.522	ug/l	96
78) n-propylbenzene	12.597	91	274435	20.673	ug/l	98
79) 2-Chlorotoluene	12.682	91	148607	20.680	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	179270	20.742	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	13230	21.252	ug/l	99
82) 4-Chlorotoluene	12.780	91	152410	20.594	ug/l	99
83) tert-Butylbenzene	12.999	119	157690	20.194	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	178877	20.566	ug/l	100
85) sec-Butylbenzene	13.176	105	238715	20.613	ug/l	100
86) p-Isopropyltoluene	13.292	119	196000	20.268	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	97966	20.454	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	97065	21.194	ug/l	99
89) n-Butylbenzene	13.621	91	188466	20.785	ug/l	100
90) Hexachloroethane	13.883	117	40139	20.858	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	84578	21.142	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6003	22.291	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	48125	21.699	ug/l	97
94) Hexachlorobutadiene	15.023	225	24884	21.380	ug/l	97
95) Naphthalene	15.145	128	91603	22.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	39958	21.968	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022456.D
Acq On : 29 May 2025 09:50
Operator : SY/MD
Sample : VY0529SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda
05/30/2025

Supervised By :Semsettin
Yesilyurt
05/30/2025

Quant Time: May 30 05:30:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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\VY052925\
Data File : VY022456.D
Acq On : 29 May 2025 09:50
Operator : SY/MD
Sample : VY0529SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

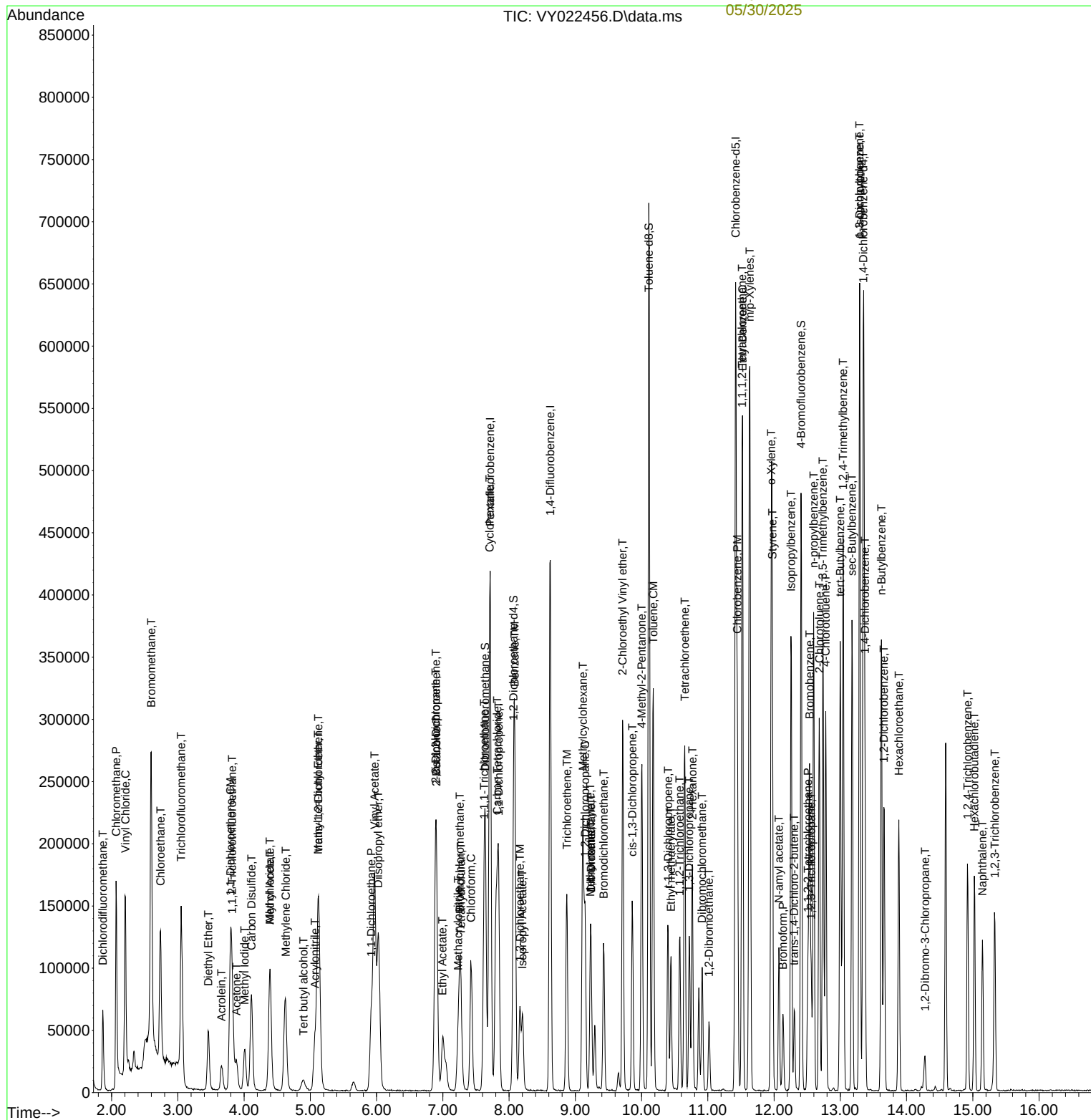
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

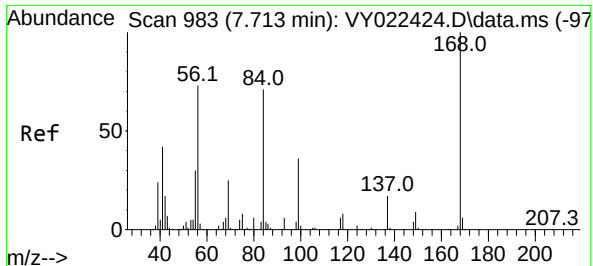
Manual Integrations

Reviewed By :Mahesh
Dadoda
05/30/2025

Supervised By :Semsettin
Yesilyurt
05/30/2025

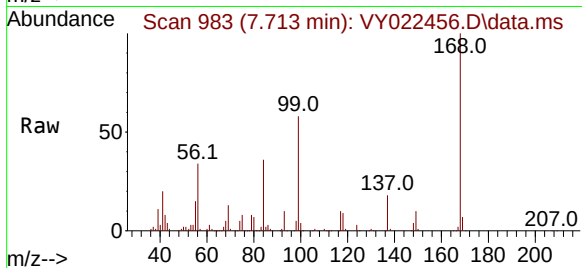
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Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

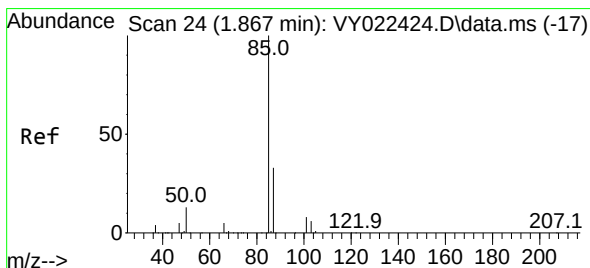
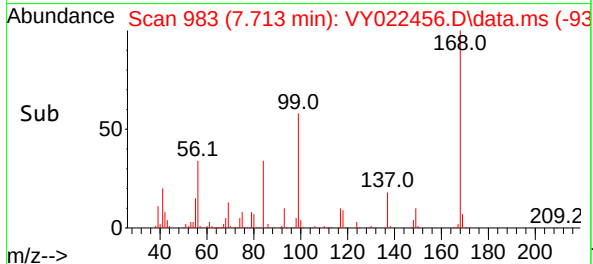
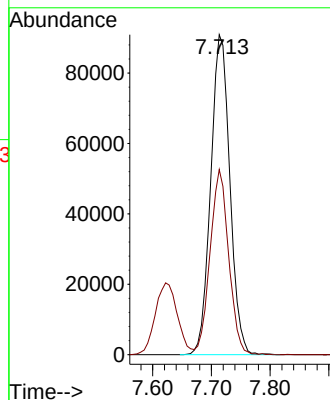


Tgt Ion: 168 Resp: 205776
Ion Ratio Lower Upper
168 100
99 57.8 44.7 67.1

Manual Integrations
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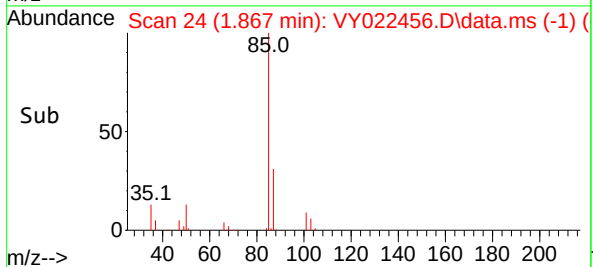
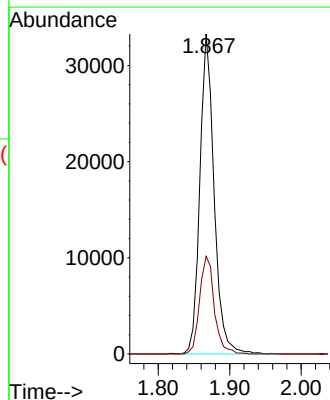
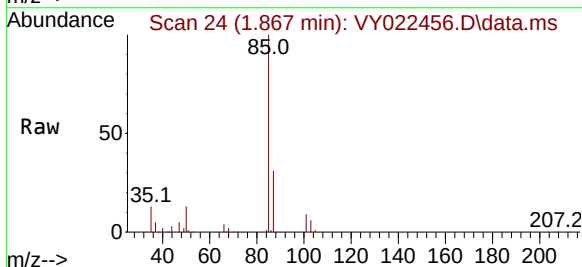
Reviewed By :Mahesh
Dadoda
05/30/2025

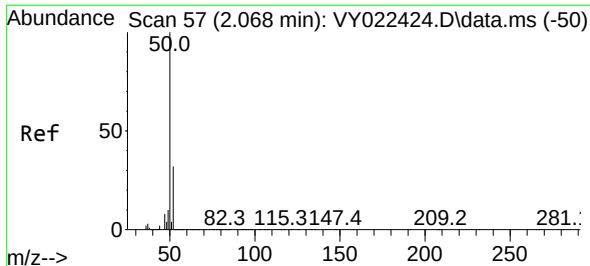
Supervised By :Semsettin
Yesilyurt
05/30/2025



#2
Dichlorodifluoromethane
Concen: 23.405 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

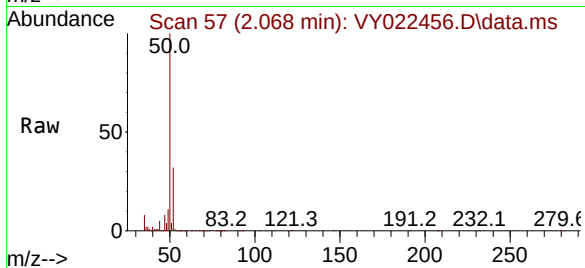
Tgt Ion: 85 Resp: 45950
Ion Ratio Lower Upper
85 100
87 30.5 16.4 49.2





#3
Chloromethane
Concen: 26.430 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

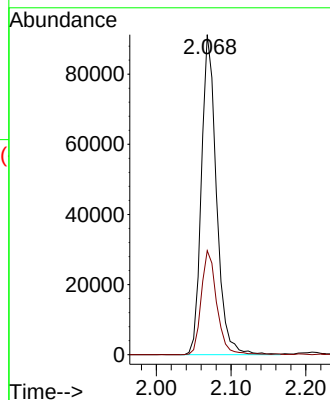
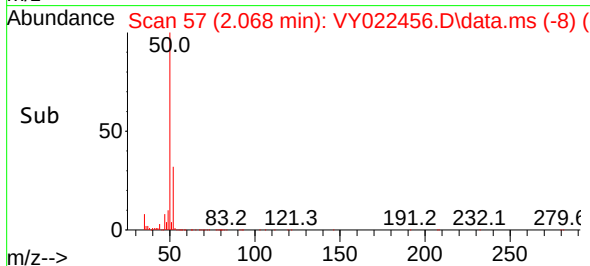
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01



Tgt Ion: 50 Resp: 127639
Ion Ratio Lower Upper
50 100
52 32.5 25.5 38.3

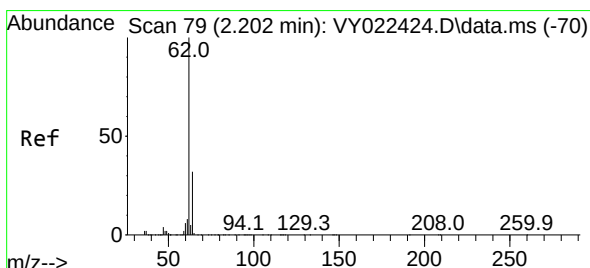
Manual Integrations
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Reviewed By :Mahesh
Dadoda



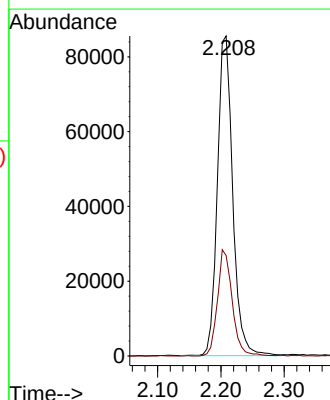
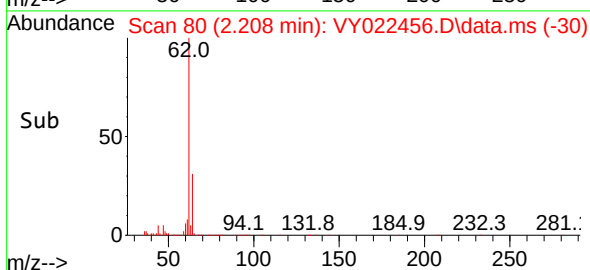
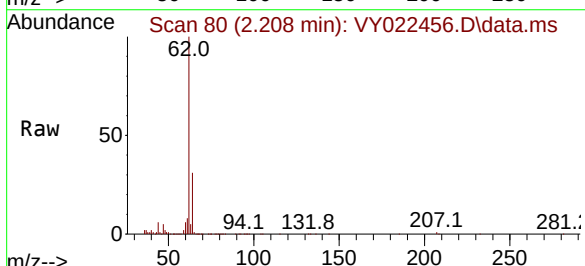
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Supervised By :Semsettin
Yesilyurt

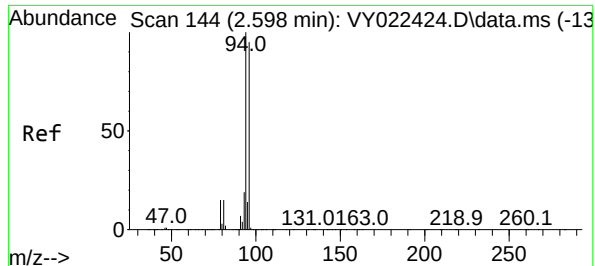
05/30/2025



#4
Vinyl Chloride
Concen: 24.484 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

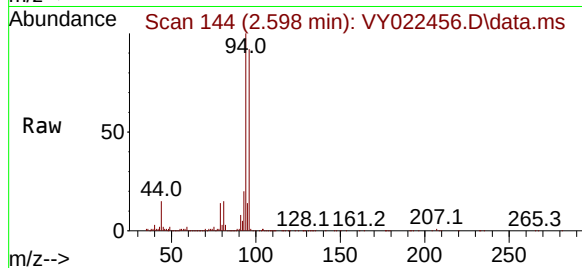
Tgt Ion: 62 Resp: 143639
Ion Ratio Lower Upper
62 100
64 31.4 26.0 39.0





#5
Bromomethane
Concen: 28.792 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

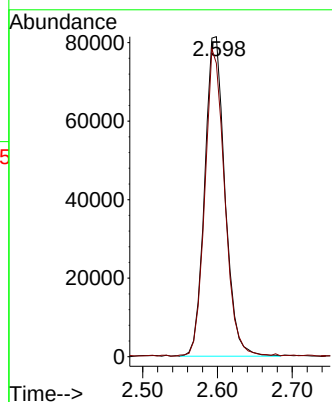
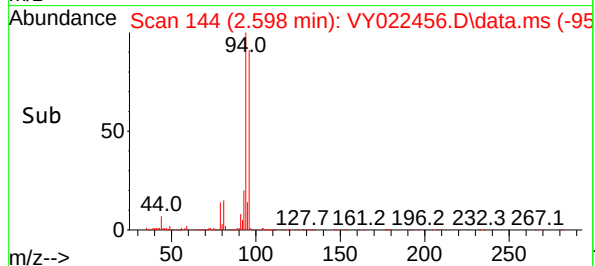
Instrument :
MSVOA_Y
Client Sample Id :
VY0529SBS01



Tgt Ion: 94 Resp: 153498
Ion Ratio Lower Upper
94 100
96 91.5 76.0 114.0

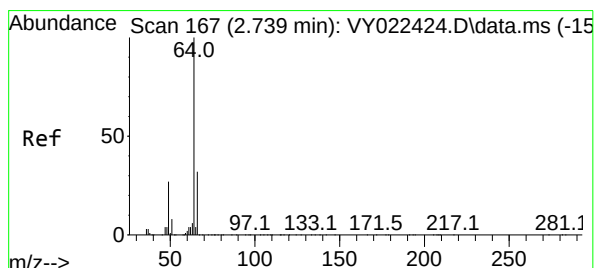
Manual Integrations
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Reviewed By :Mahesh
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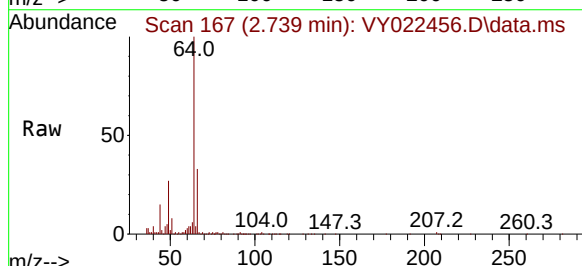


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Supervised By :Semsettin
Yesilyurt

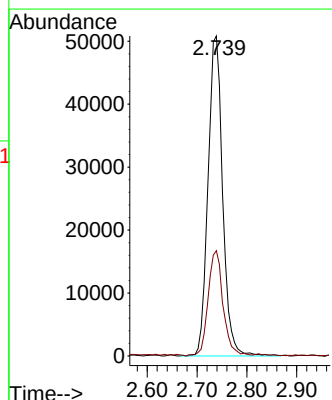
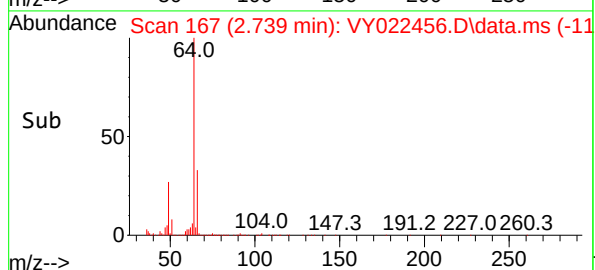
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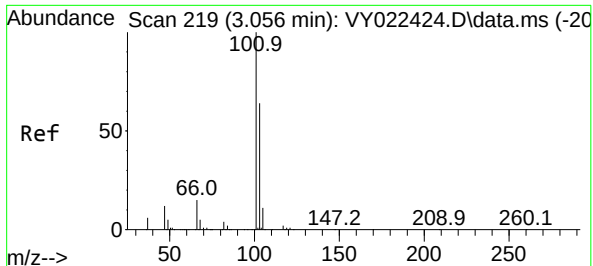


#6
Chloroethane
Concen: 26.988 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50



Tgt Ion: 64 Resp: 103463
Ion Ratio Lower Upper
64 100
66 32.8 25.9 38.9





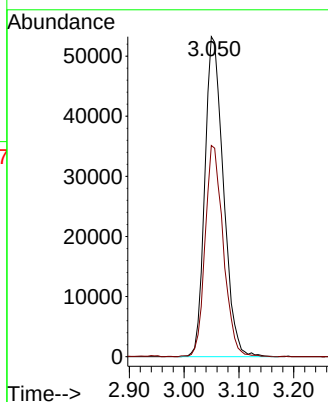
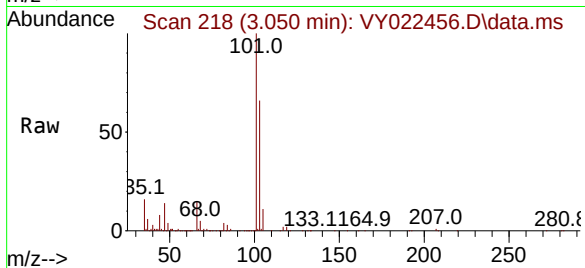
#7
Trichlorofluoromethane
Concen: 25.290 ug/l
RT: 3.050 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Tgt Ion:101 Resp: 12518
Ion Ratio Lower Upper
101 100
103 66.0 50.9 76.3

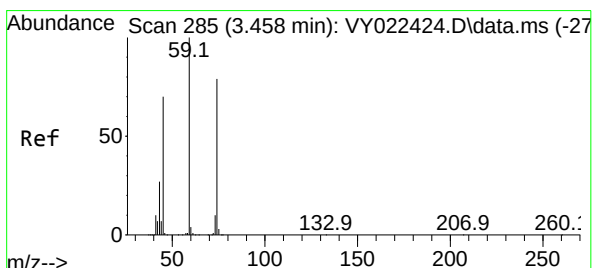
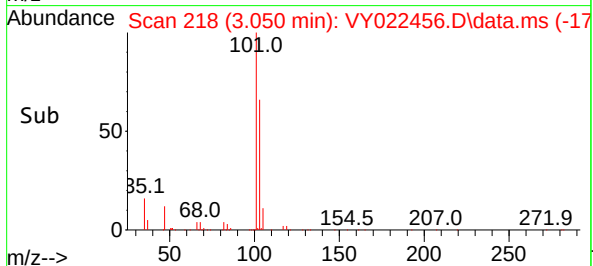
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



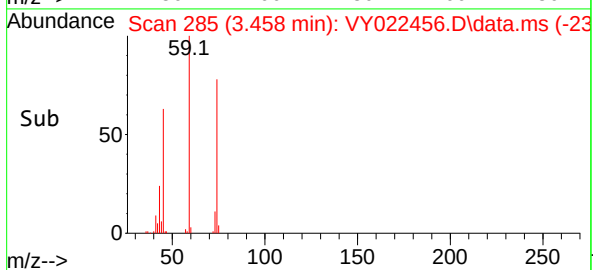
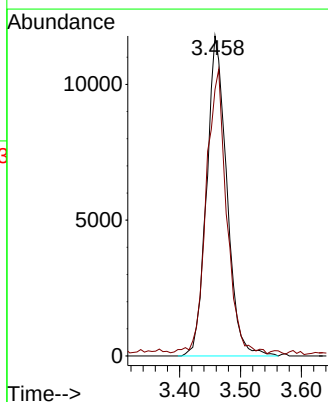
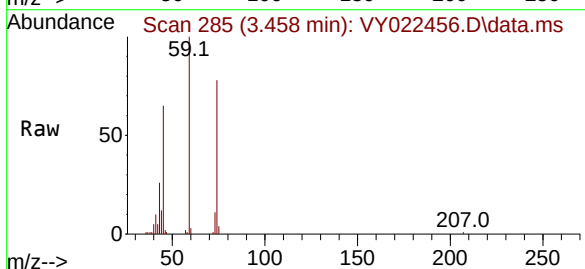
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Supervised By :Semsettin
Yesilyurt

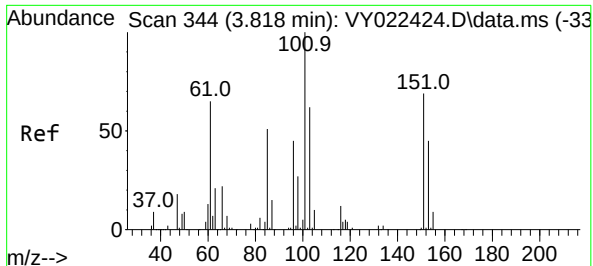
05/30/2025



#8
Diethyl Ether
Concen: 23.735 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion: 74 Resp: 27089
Ion Ratio Lower Upper
74 100
45 89.9 44.9 134.5





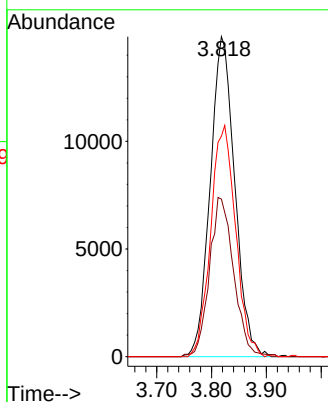
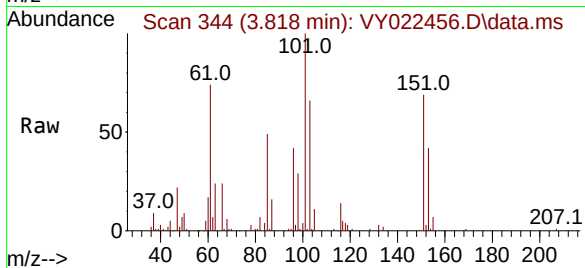
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.297 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Tgt Ion:101 Resp: 46248
Ion Ratio Lower Upper
101 100
85 49.0 39.2 58.8
151 73.2 58.8 88.2

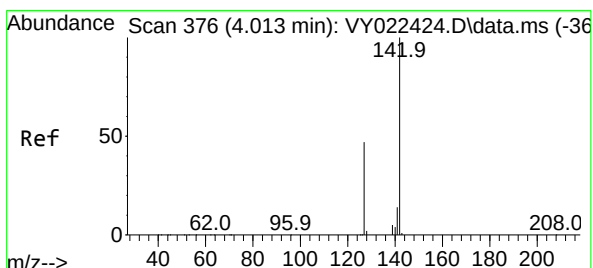
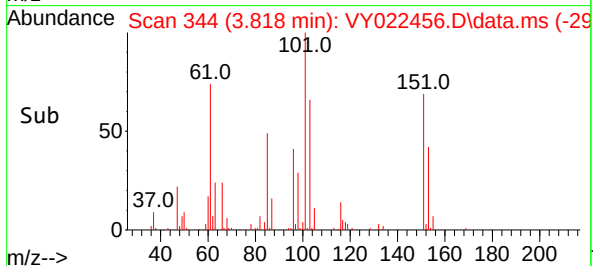
Manual Integrations
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Reviewed By :Mahesh
Dadoda



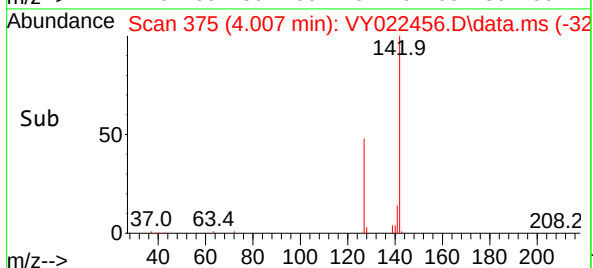
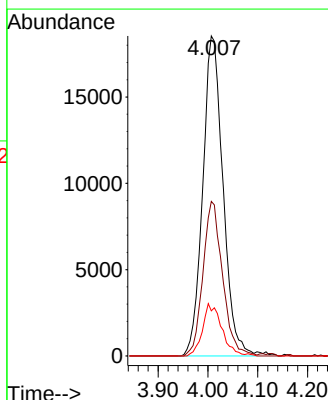
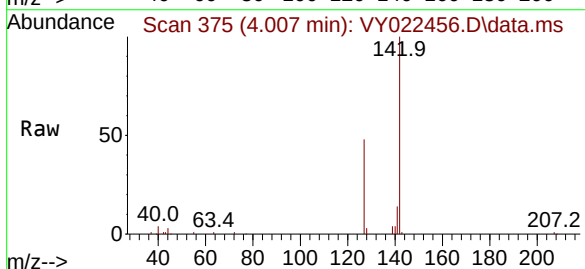
05/30/2025
Supervised By :Semsettin
Yesilyurt

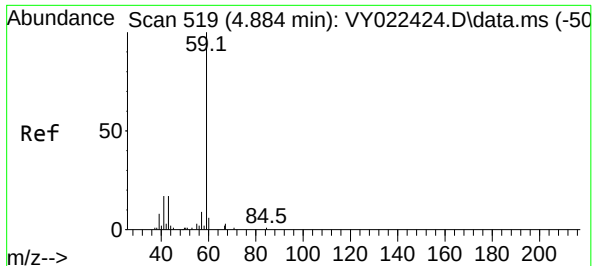
05/30/2025



#10
Methyl Iodide
Concen: 21.509 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion:142 Resp: 52695
Ion Ratio Lower Upper
142 100
127 46.4 36.2 54.4
141 15.5 11.6 17.4





#11

Tert butyl alcohol

Concen: 119.684 ug/l

RT: 4.897 min Scan# 519

Delta R.T. 0.012 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 59 Resp: 1828

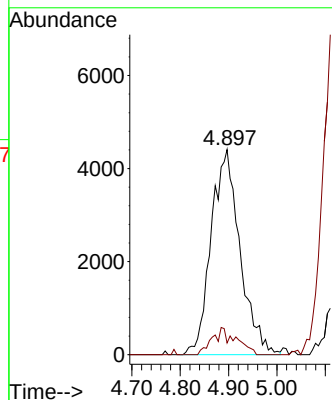
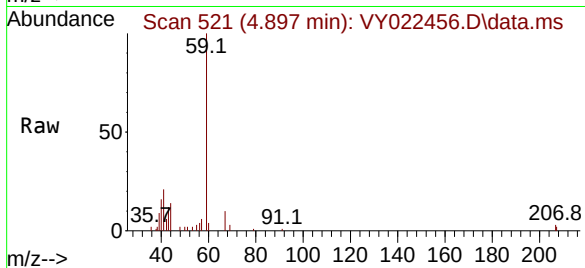
Ion Ratio Lower Upper

59 100

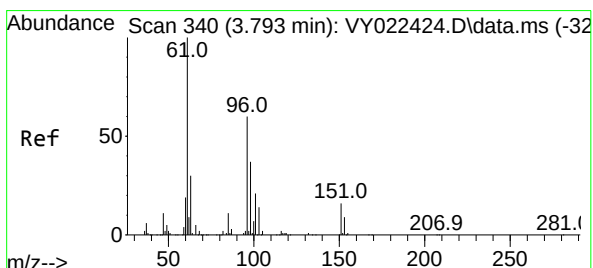
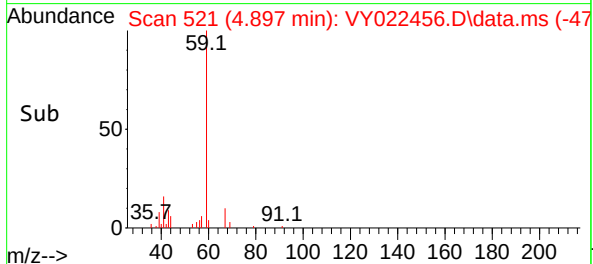
57 10.9 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#12

1,1-Dichloroethene

Concen: 22.059 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

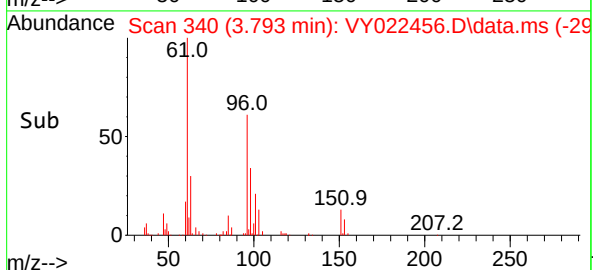
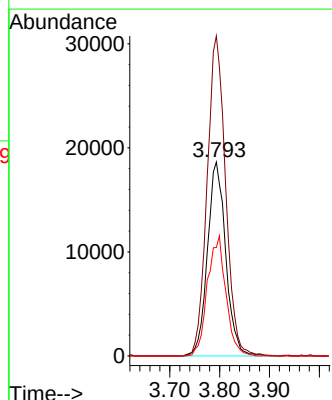
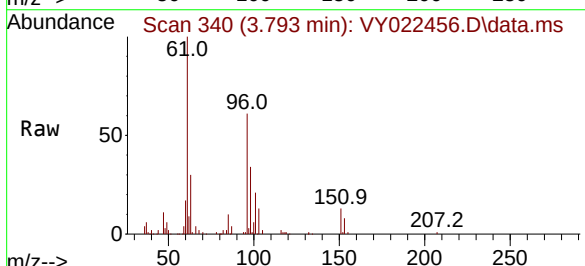
Tgt Ion: 96 Resp: 47557

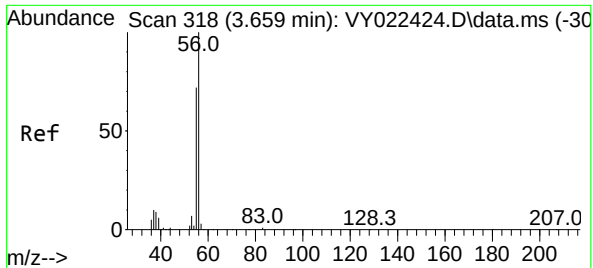
Ion Ratio Lower Upper

96 100

61 165.0 134.1 201.1

98 55.9 50.2 75.2





#13

Acrolein

Concen: 103.387 ug/l

RT: 3.659 min Scan# 318

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBSD01

Tgt Ion: 56 Resp: 2366

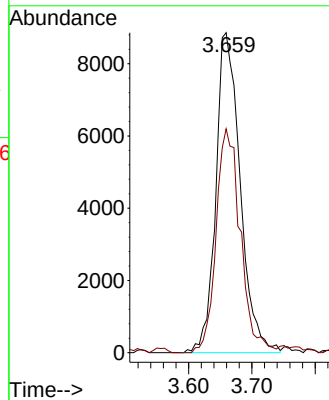
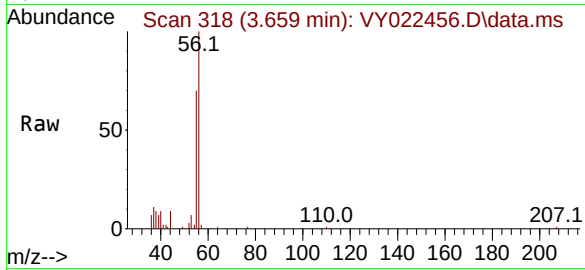
Ion Ratio Lower Upper

56 100

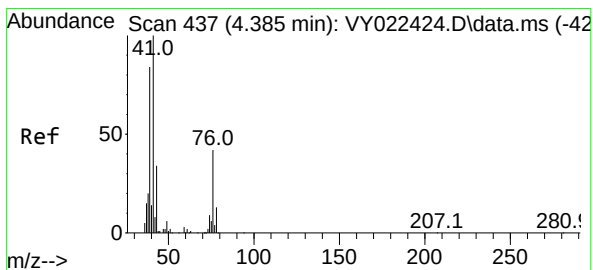
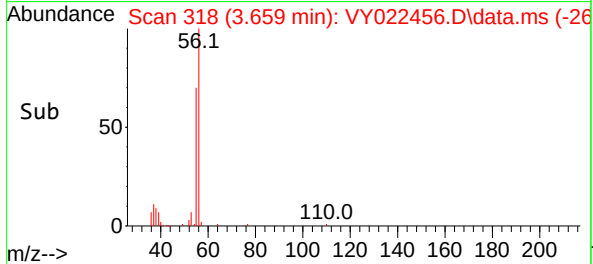
55 69.6 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#14

Allyl chloride

Concen: 22.480 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

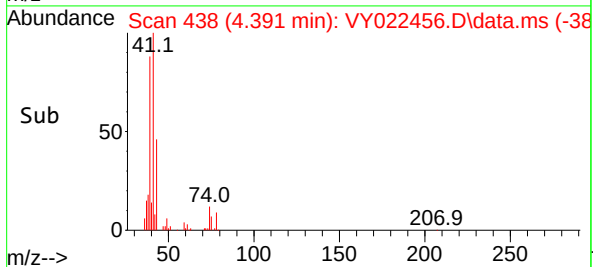
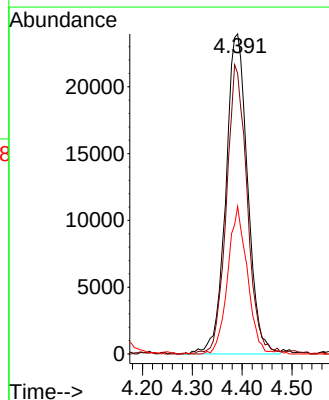
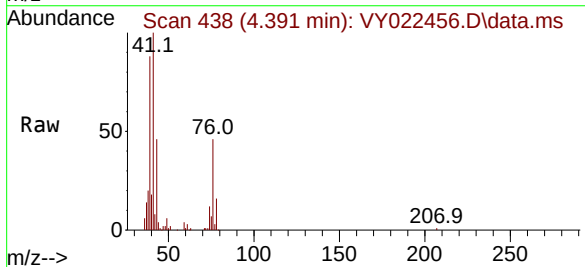
Tgt Ion: 41 Resp: 72904

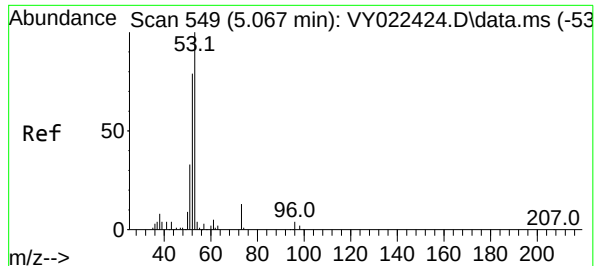
Ion Ratio Lower Upper

41 100

39 86.0 66.6 100.0

76 41.2 33.7 50.5





#15

Acrylonitrile

Concen: 116.830 ug/l

RT: 5.068 min Scan# 549

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

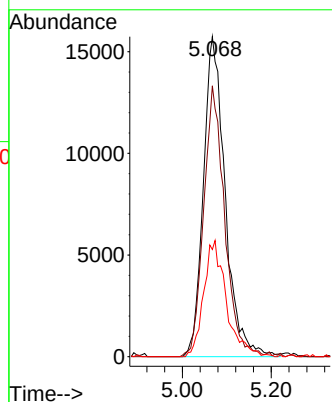
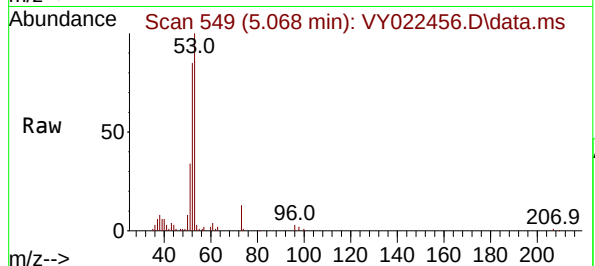
Instrument :

MSVOA_Y

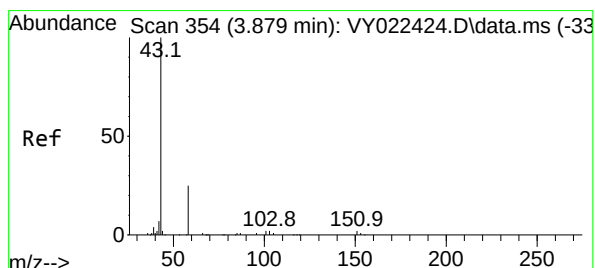
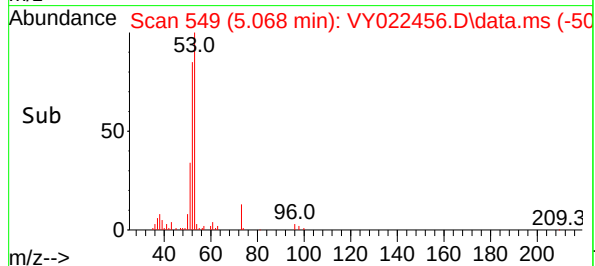
ClientSampleId :

VY0529SBSD01

Tgt Ion: 53	Resp: 53740
Ion Ratio	Lower Upper
53 100	
52 81.2	65.1 97.7
51 37.6	30.0 45.0

Manual Integrations
APPROVEDReviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#16

Acetone

Concen: 116.179 ug/l

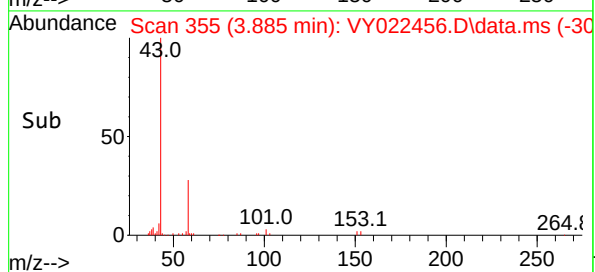
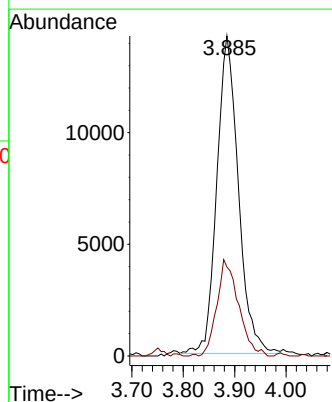
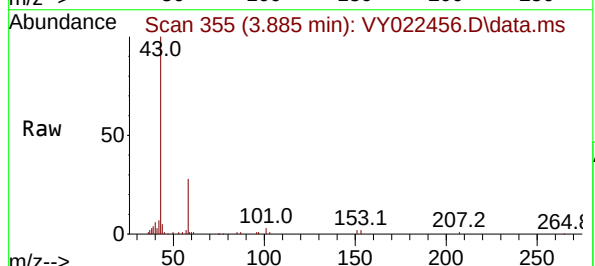
RT: 3.885 min Scan# 355

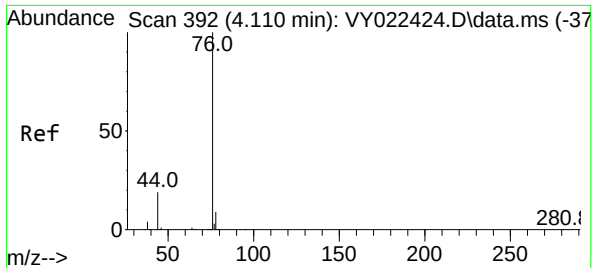
Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

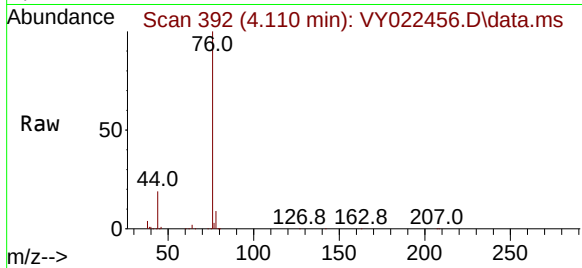
Tgt Ion: 43	Resp: 41379
Ion Ratio	Lower Upper
43 100	
58 27.6	20.6 30.8





#17
Carbon Disulfide
Concen: 21.639 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

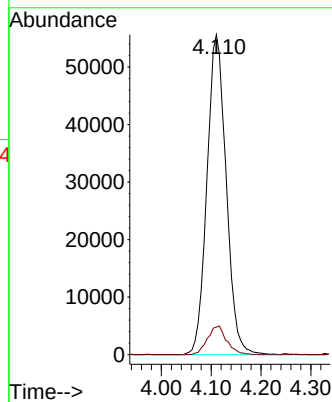
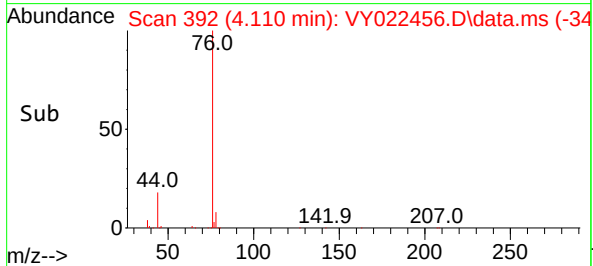
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01



Tgt Ion: 76 Resp: 14888
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8

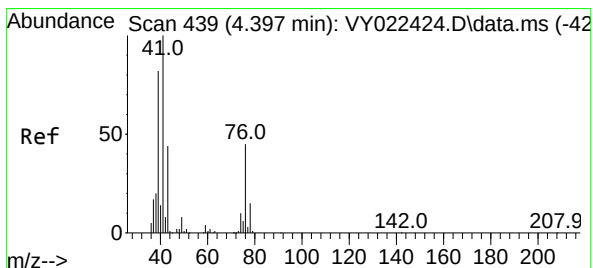
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



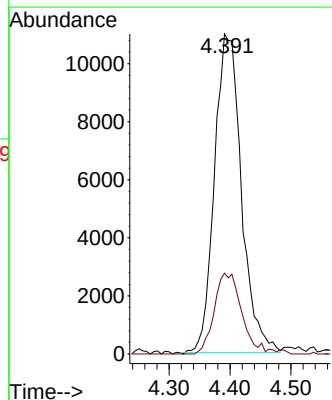
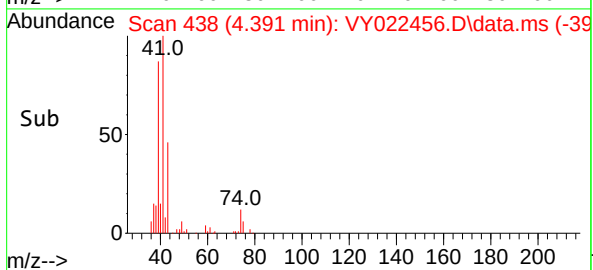
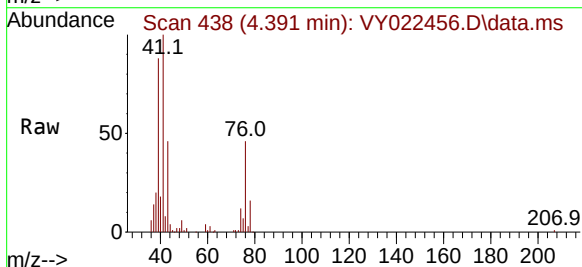
05/30/2025
Supervised By :Semsettin
Yesilyurt

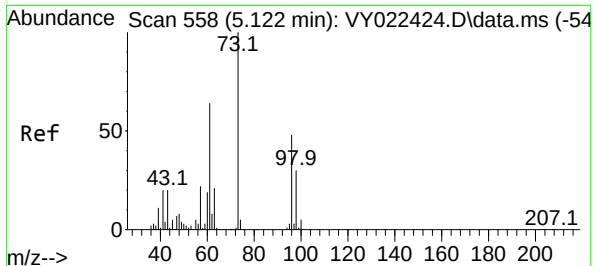
05/30/2025



#18
Methyl Acetate
Concen: 25.198 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion: 43 Resp: 33619
Ion Ratio Lower Upper
43 100
74 25.9 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 23.017 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 73 Resp: 13174

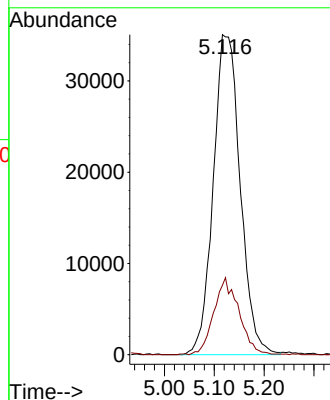
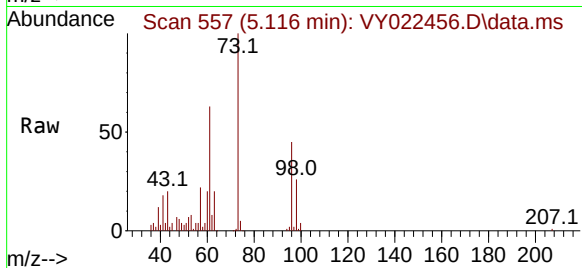
Ion Ratio Lower Upper

73 100

57 21.5 17.7 26.5

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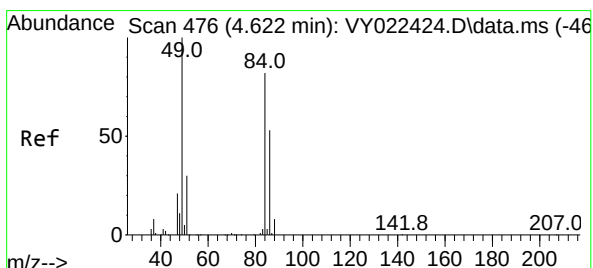
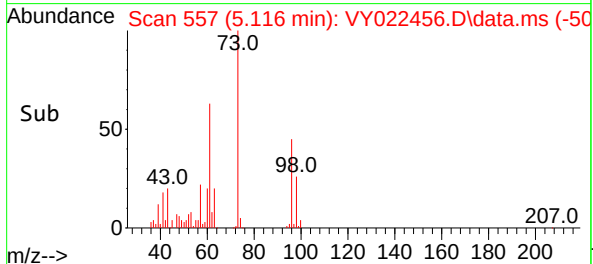
APPROVED

Reviewed By :Mahesh
Dadoda

05/30/2025

Supervised By :Semsettin
Yesilyurt

05/30/2025



#20

Methylene Chloride

Concen: 21.387 ug/l

RT: 4.629 min Scan# 477

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Tgt Ion: 84 Resp: 53789

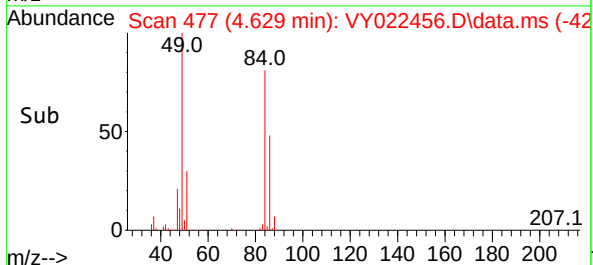
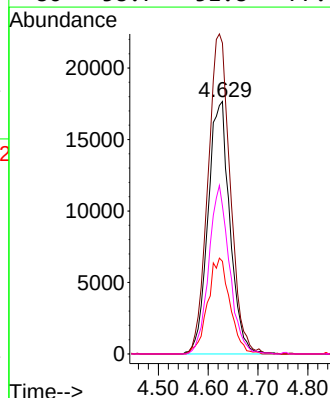
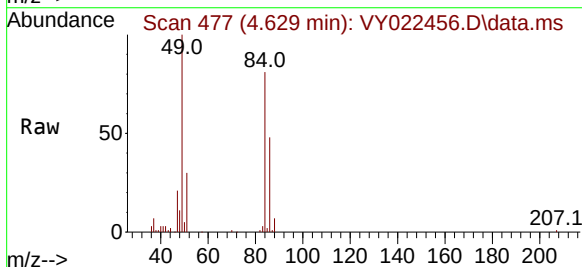
Ion Ratio Lower Upper

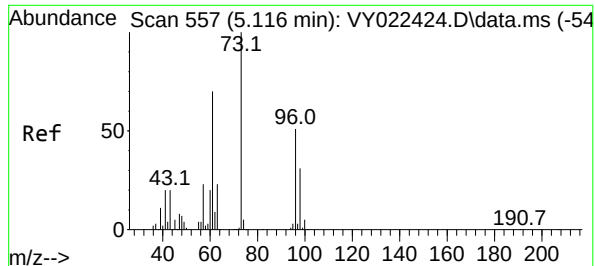
84 100

49 123.2 97.8 146.8

51 36.7 29.5 44.3

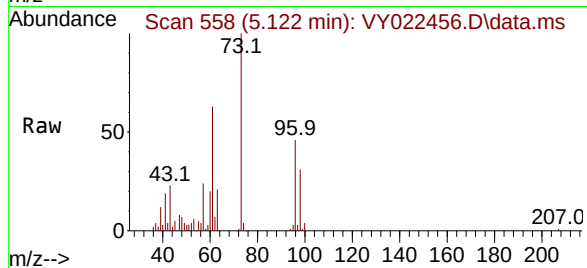
86 58.7 51.8 77.6





#21
trans-1,2-Dichloroethene
Concen: 21.873 ug/l
RT: 5.122 min Scan# 5148
Delta R.T. 0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

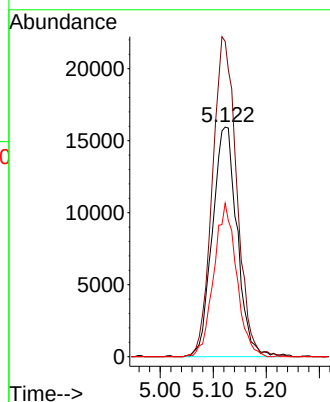
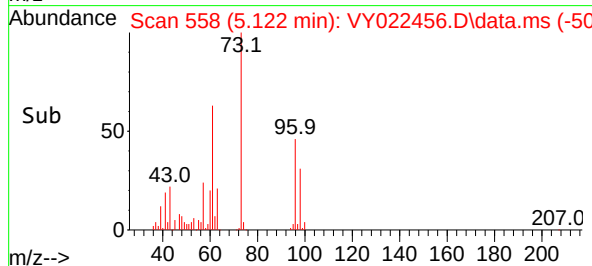
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01



Tgt Ion: 96 Resp: 5148
Ion Ratio Lower Upper
96 100
61 137.4 110.4 165.6
98 66.8 48.6 73.0

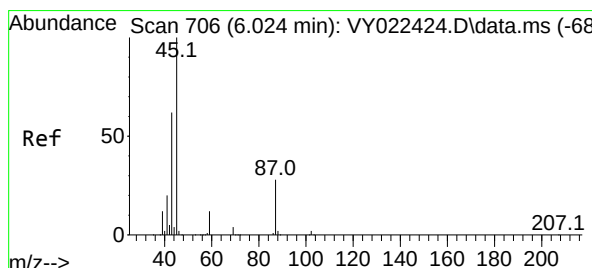
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



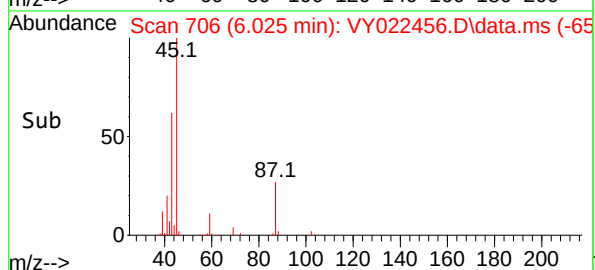
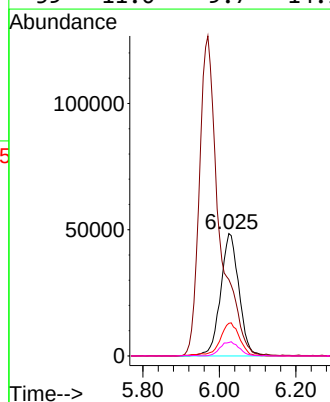
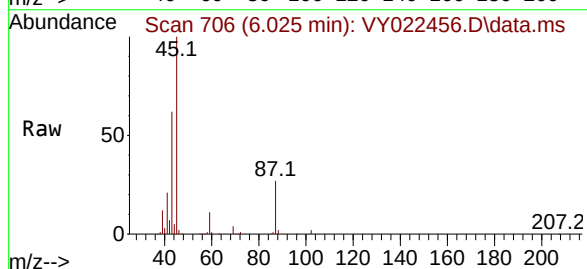
05/30/2025
Supervised By :Semsettin
Yesilyurt

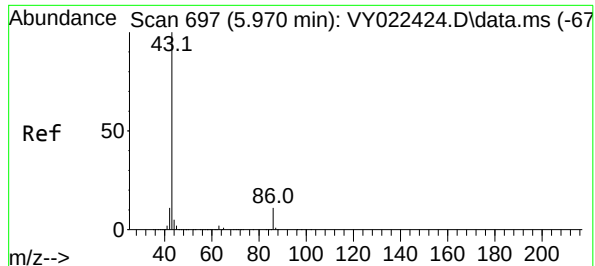
05/30/2025



#22
Diisopropyl ether
Concen: 22.626 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion: 45 Resp: 161945
Ion Ratio Lower Upper
45 100
43 62.2 49.8 74.8
87 26.7 23.0 34.6
59 11.0 9.7 14.5





#23

Vinyl Acetate

Concen: 111.108 ug/l

RT: 5.970 min Scan# 697

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBSD01

Tgt Ion: 43 Resp: 456630

Ion Ratio Lower Upper

43

100

86

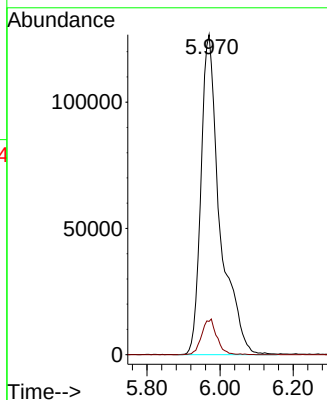
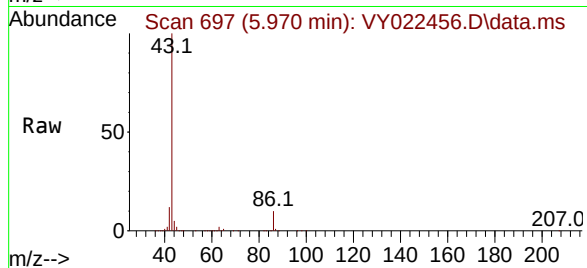
10.4

8.8

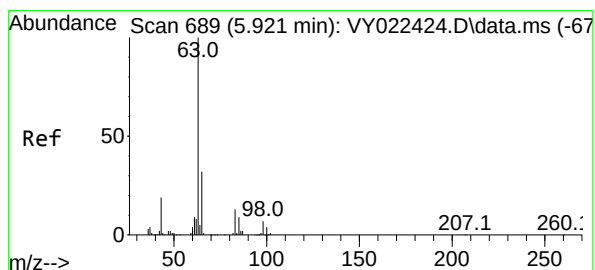
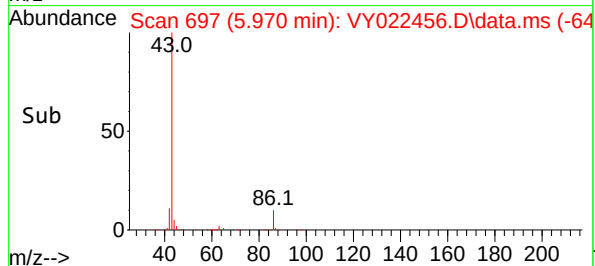
13.2

Manual Integrations

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Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#24

1,1-Dichloroethane

Concen: 22.766 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Tgt Ion: 63 Resp: 96288

Ion Ratio Lower Upper

63

100

98

6.4

3.5

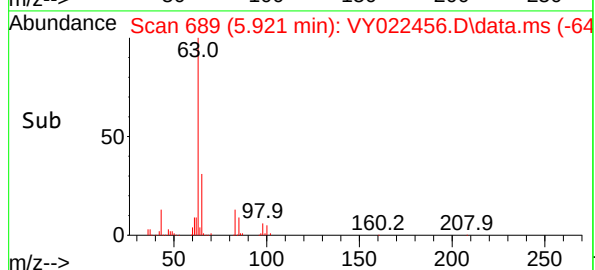
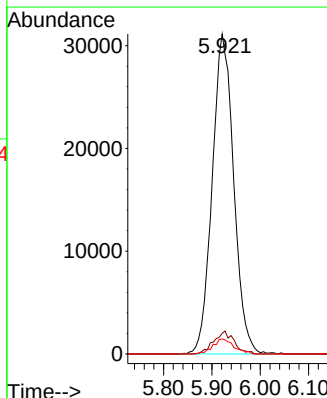
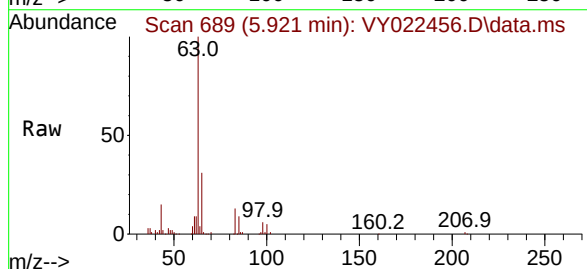
10.5

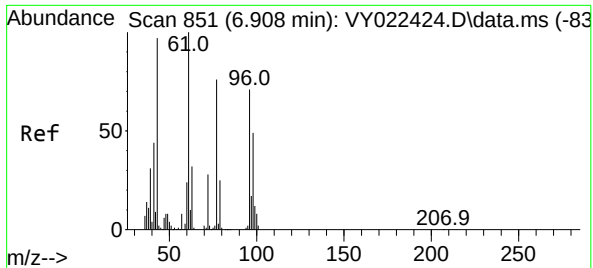
100

4.7

2.1

6.5





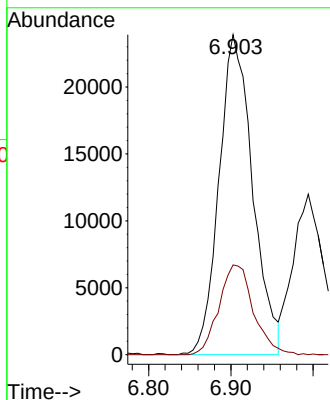
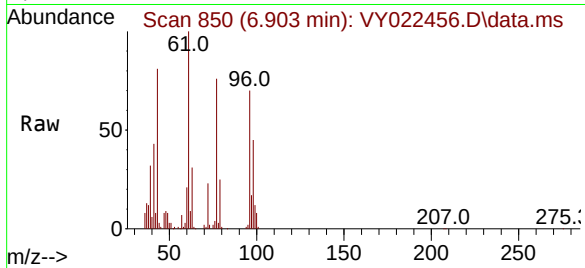
#25
2-Butanone
Concen: 114.690 ug/l
RT: 6.903 min Scan# 851
Delta R.T. -0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Tgt Ion: 43 Resp: 68030
Ion Ratio Lower Upper
43 100
72 28.0 22.8 34.2

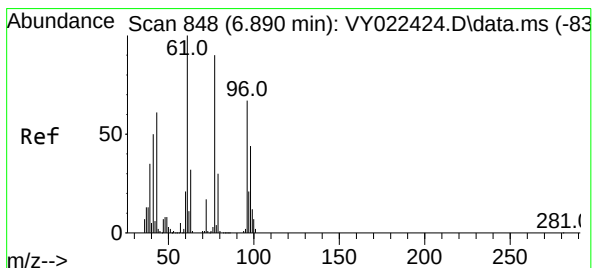
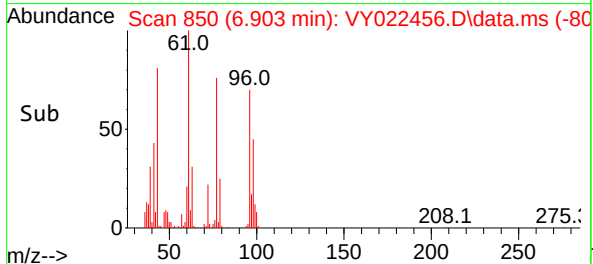
Manual Integrations
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Reviewed By :Mahesh
Dadoda



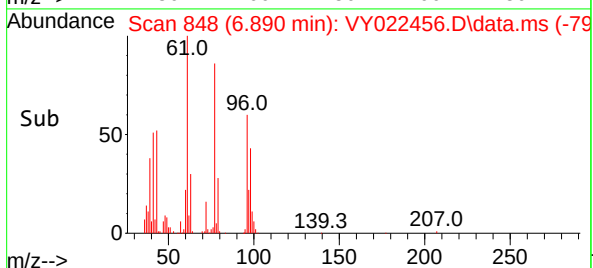
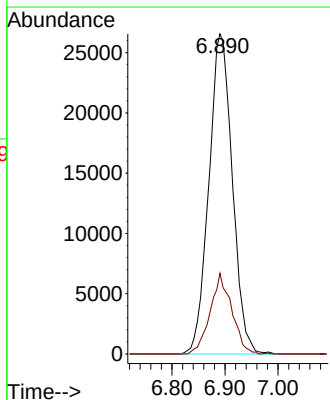
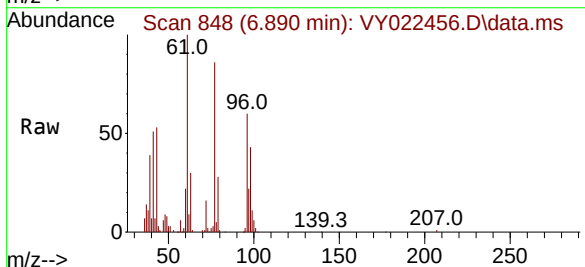
05/30/2025
Supervised By :Semsettin
Yesilyurt

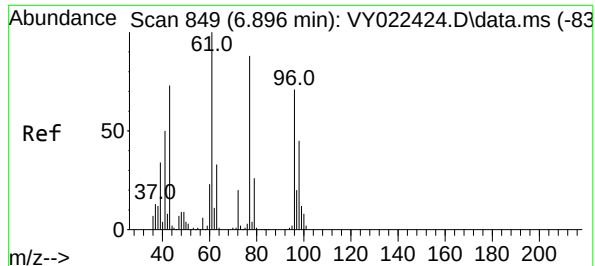
05/30/2025



#26
2,2-Dichloropropane
Concen: 21.341 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion: 77 Resp: 81729
Ion Ratio Lower Upper
77 100
97 23.0 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 21.861 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBSD01

Tgt Ion: 96 Resp: 5956

Ion Ratio Lower Upper

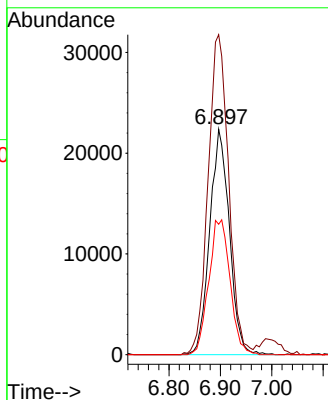
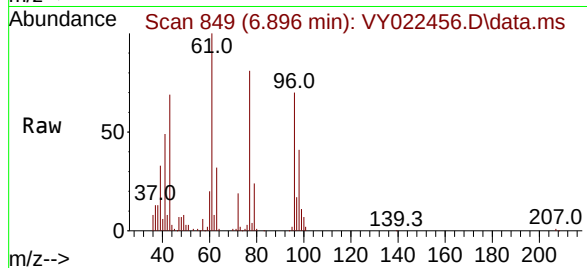
96 100

61 148.0 0.0 292.0

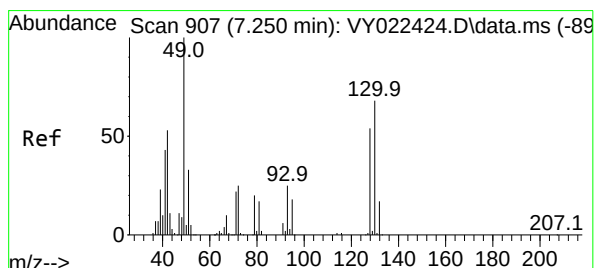
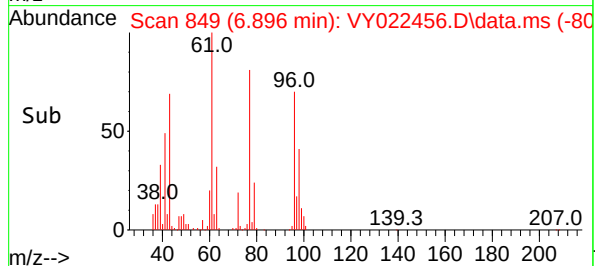
98 64.8 0.0 131.0

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#28

Bromochloromethane

Concen: 21.983 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

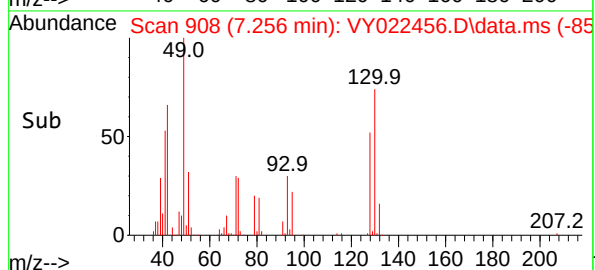
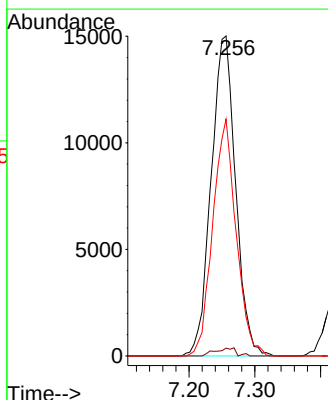
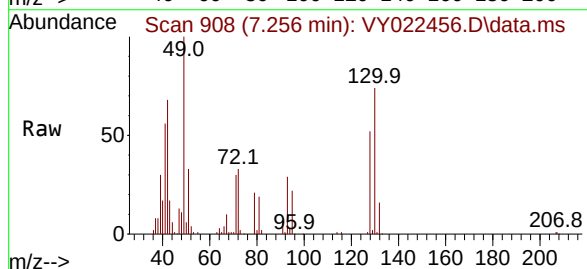
Tgt Ion: 49 Resp: 38824

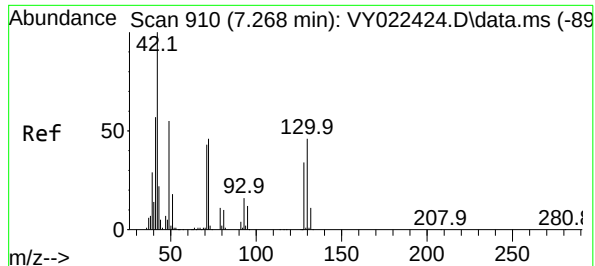
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 70.9 56.9 85.3





#29

Tetrahydrofuran

Concen: 117.391 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 42 Resp: 46439

Ion Ratio Lower Upper

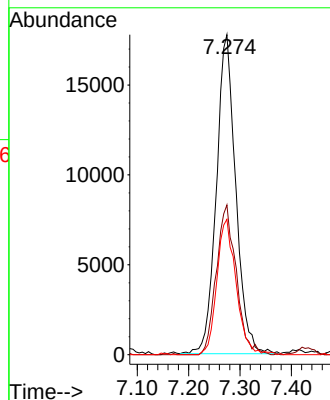
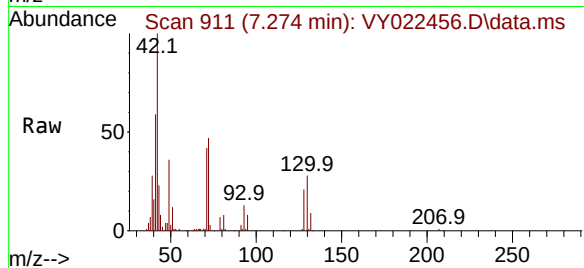
42 100

72 48.1 37.7 56.5

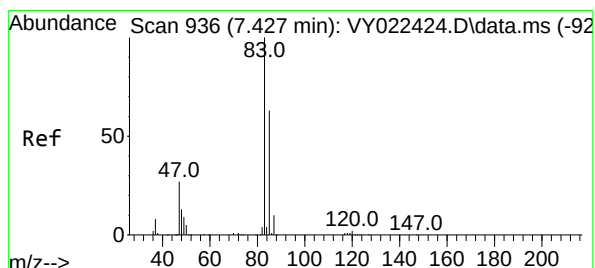
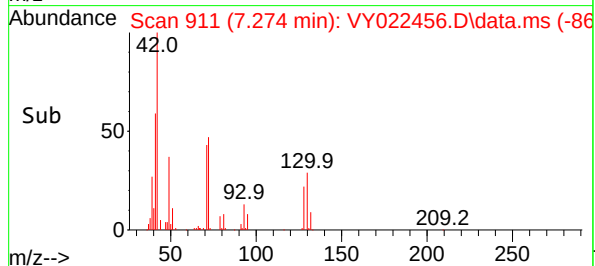
71 42.3 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#30

Chloroform

Concen: 22.777 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.000 min

Lab File: VY022456.D

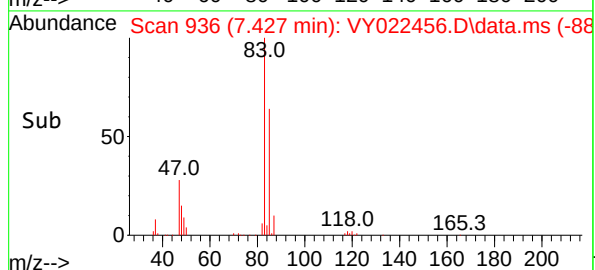
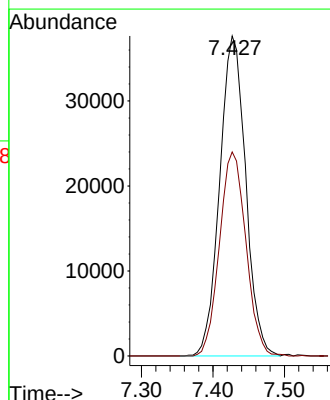
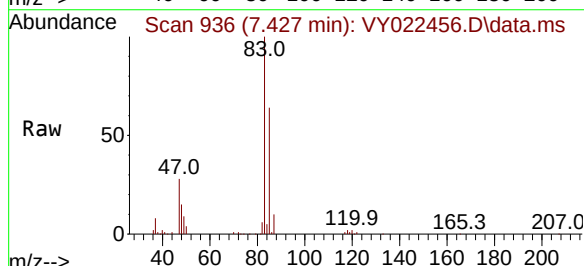
Acq: 29 May 2025 09:50

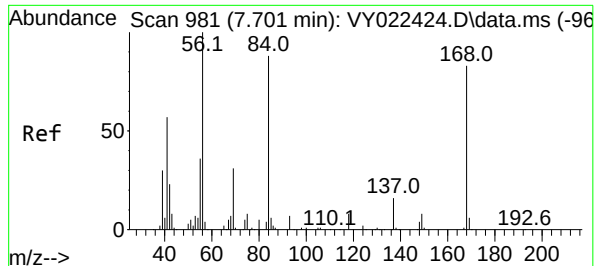
Tgt Ion: 83 Resp: 94926

Ion Ratio Lower Upper

83 100

85 63.8 50.1 75.1





#31

Cyclohexane

Concen: 20.677 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 56 Resp: 86200

Ion Ratio Lower Upper

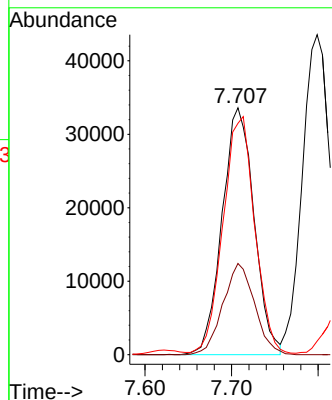
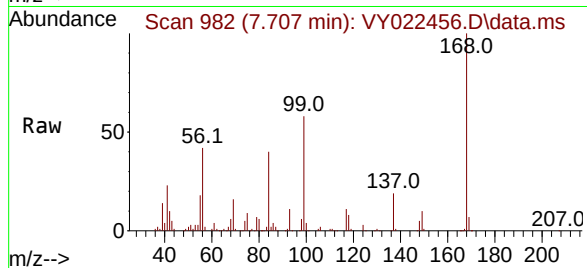
56 100

69 36.9 24.6 36.8

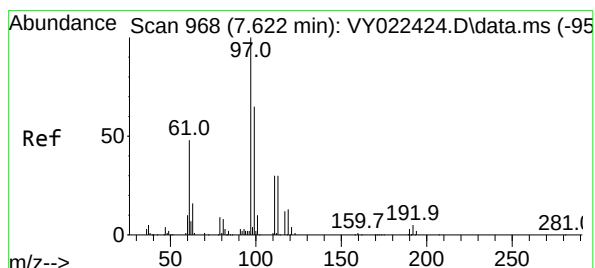
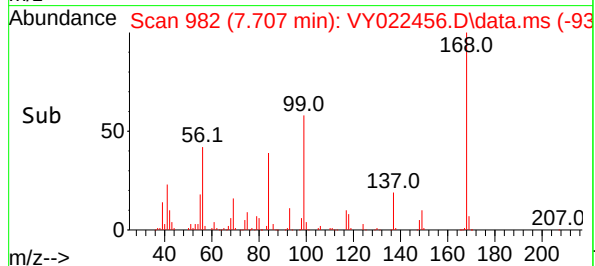
84 92.7 70.4 105.6

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#32

1,1,1-Trichloroethane

Concen: 21.565 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

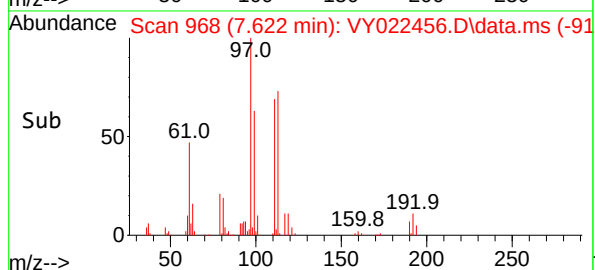
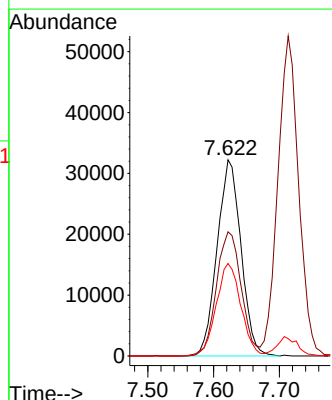
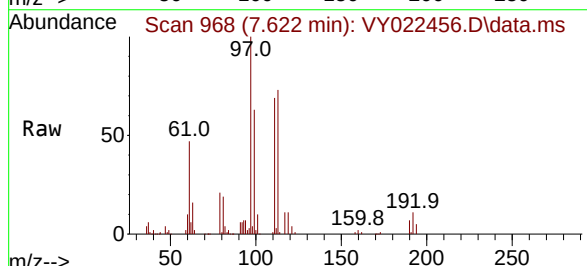
Tgt Ion: 97 Resp: 81565

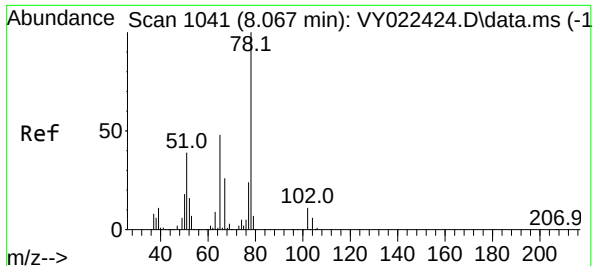
Ion Ratio Lower Upper

97 100

99 65.8 51.3 76.9

61 48.6 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 55.142 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 65 Resp: 119518

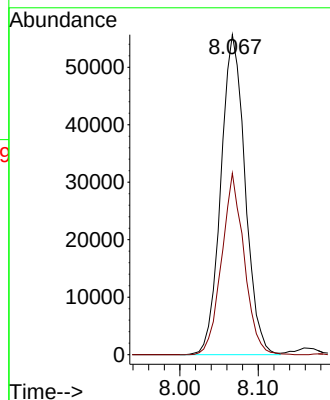
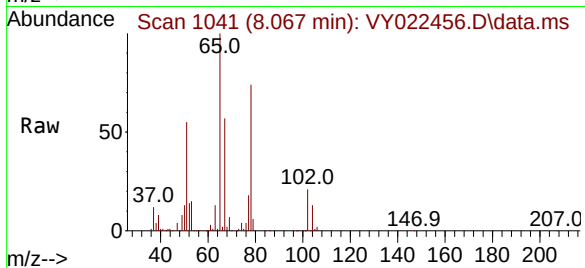
Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4

Manual Integrations

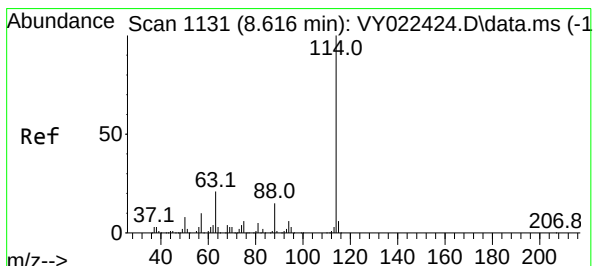
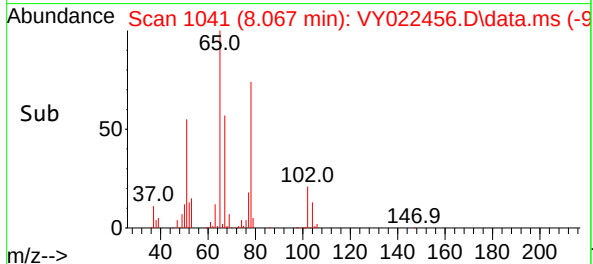
APPROVED

Reviewed By :Mahesh
Dadoda

05/30/2025

Supervised By :Semsettin
Yesilyurt

05/30/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

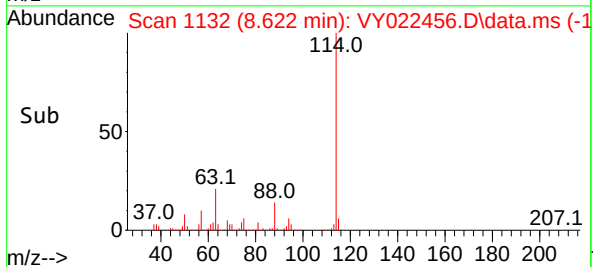
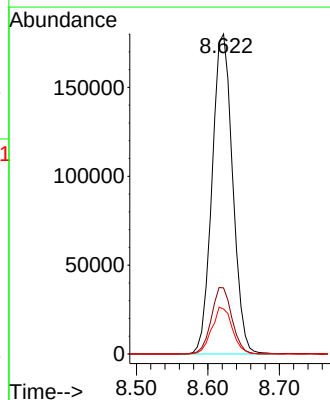
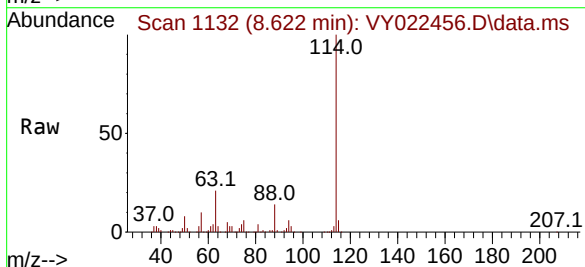
Tgt Ion:114 Resp: 359832

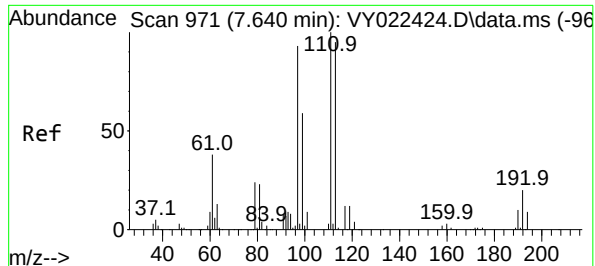
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

88 14.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 52.463 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion:113 Resp: 11055

Ion Ratio Lower Upper

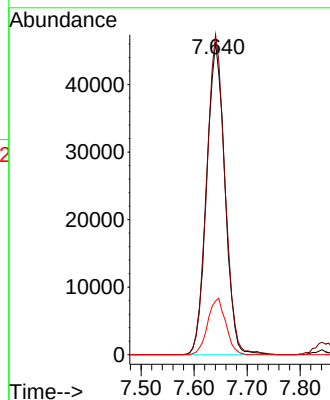
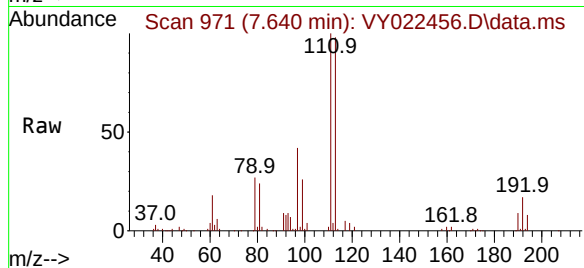
113 100

111 102.2 82.4 123.6

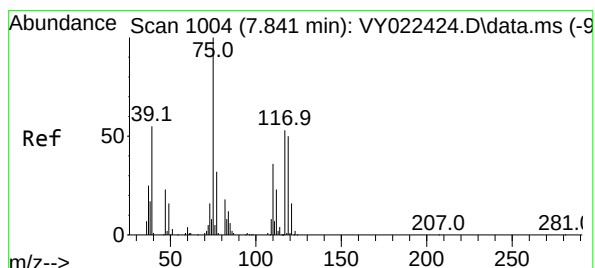
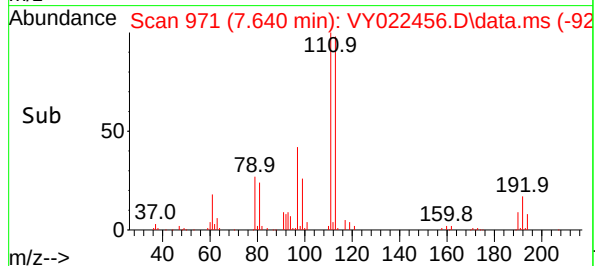
192 17.8 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#36

1,1-Dichloropropene

Concen: 20.835 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

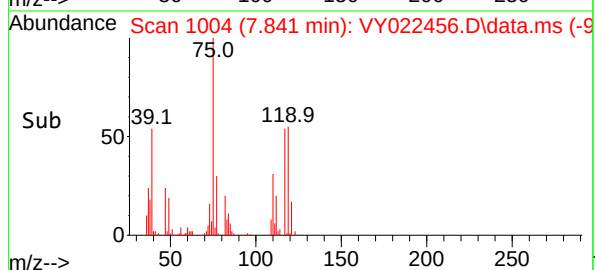
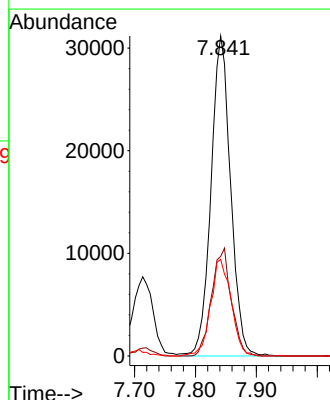
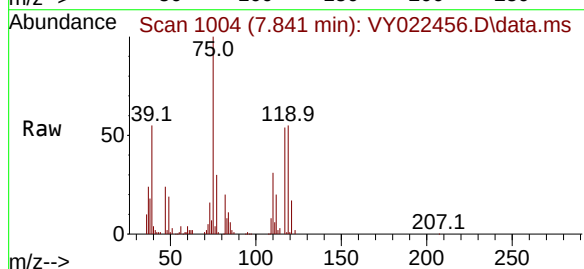
Tgt Ion: 75 Resp: 69669

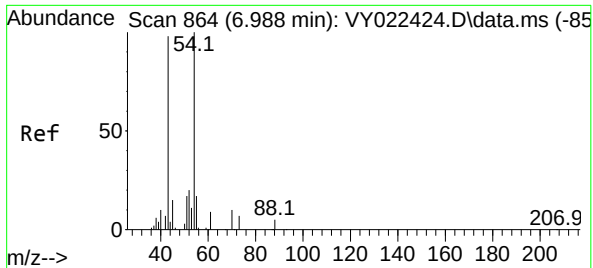
Ion Ratio Lower Upper

75 100

110 33.8 17.1 51.2

77 31.5 25.1 37.7





#37

Ethyl Acetate

Concen: 22.255 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY022456.D

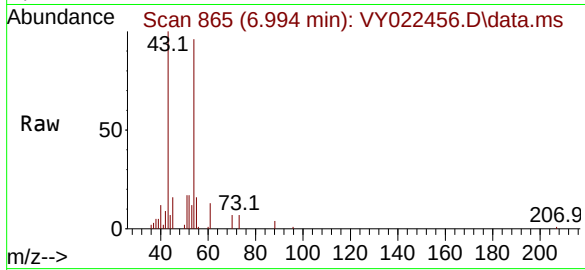
Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01



Tgt Ion: 43 Resp: 3162

Ion Ratio Lower Upper

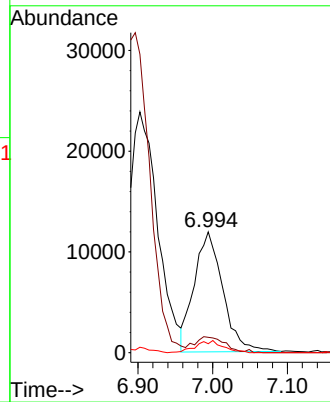
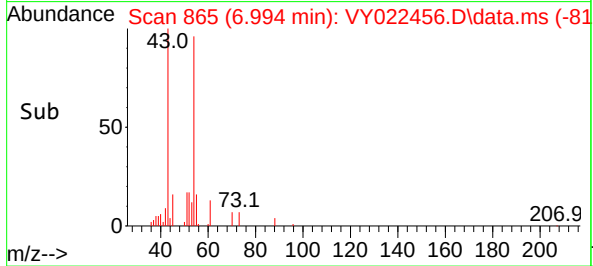
43 100

61 12.2 11.7 17.5

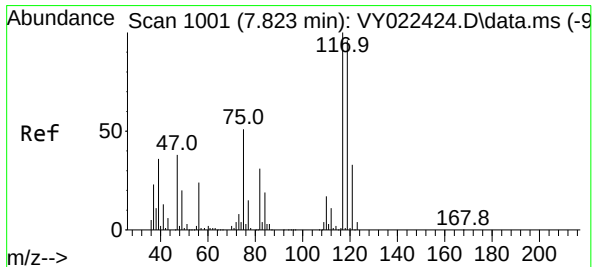
70 9.5 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#38

Carbon Tetrachloride

Concen: 20.484 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

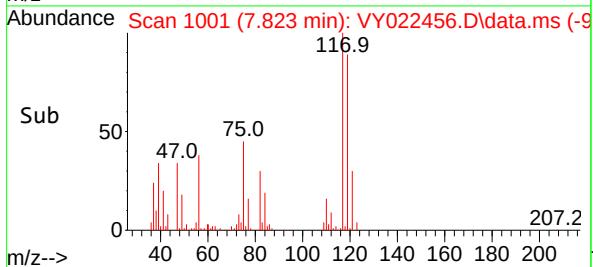
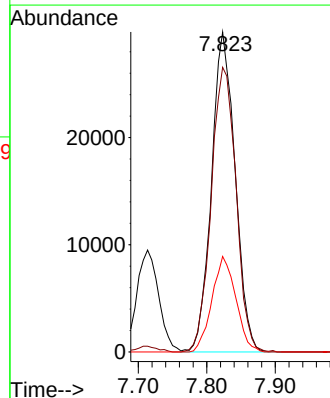
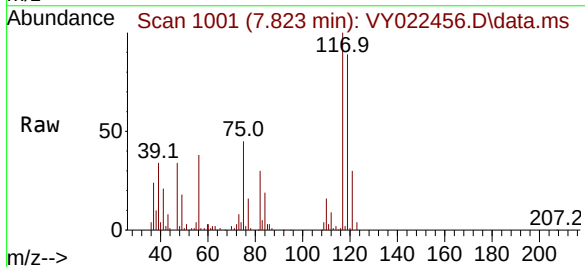
Tgt Ion:117 Resp: 71355

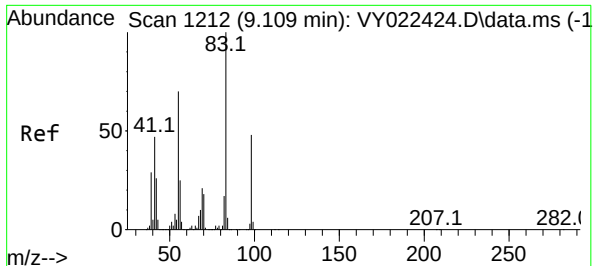
Ion Ratio Lower Upper

117 100

119 88.9 76.3 114.5

121 29.8 26.1 39.1





#39

Methylcyclohexane

Concen: 19.975 ug/l

RT: 9.116 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 83 Resp: 88788

Ion Ratio Lower Upper

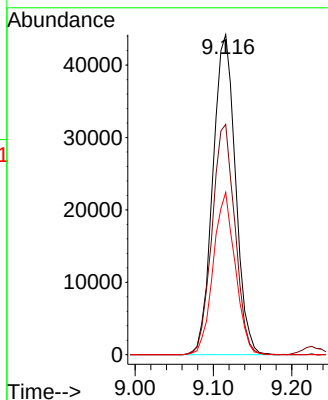
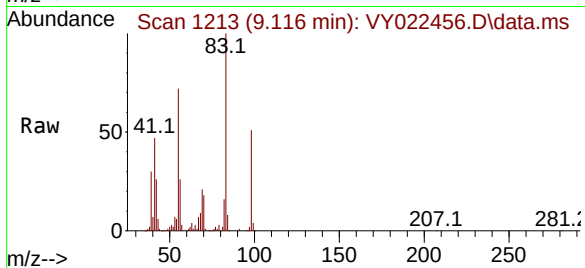
83 100

55 71.9 56.2 84.2

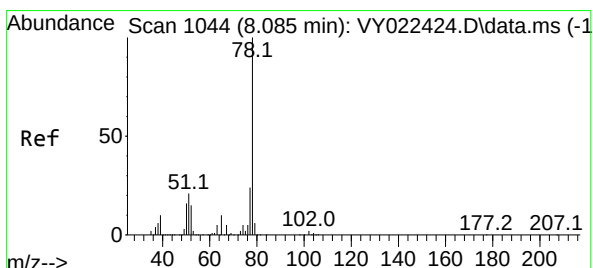
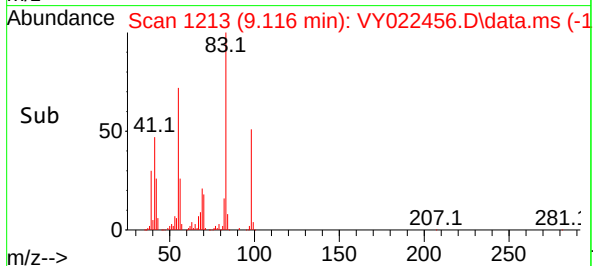
98 50.7 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#40

Benzene

Concen: 21.352 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VY022456.D

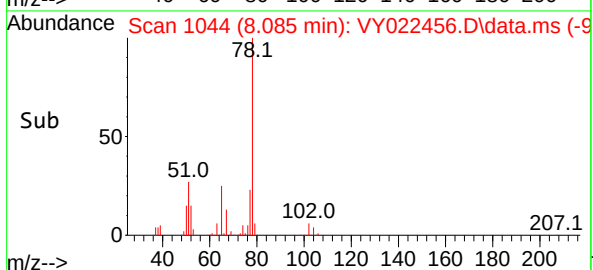
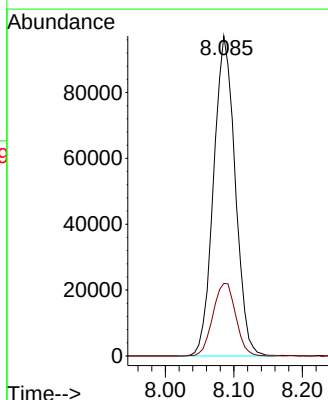
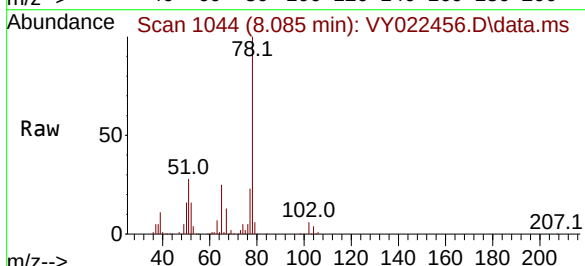
Acq: 29 May 2025 09:50

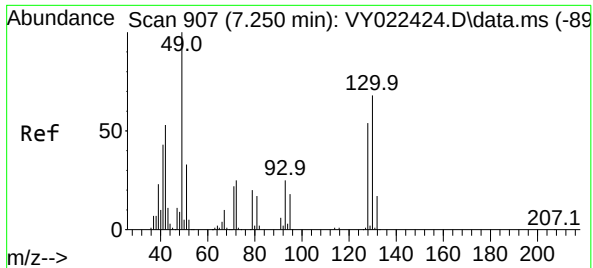
Tgt Ion: 78 Resp: 212449

Ion Ratio Lower Upper

78 100

77 22.7 19.4 29.2





#41

Methacrylonitrile

Concen: 20.709 ug/l

RT: 7.232 min Scan# 904

Delta R.T. -0.018 min

Lab File: VY022456.D

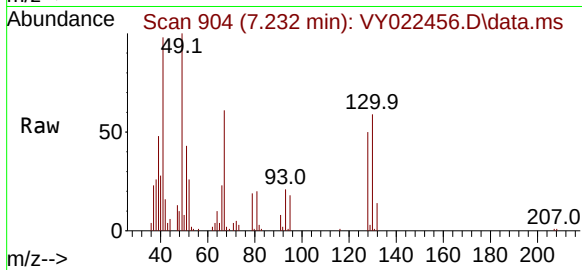
Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBSD01



Tgt Ion: 41 Resp: 1786

Ion Ratio Lower Upper

41 100

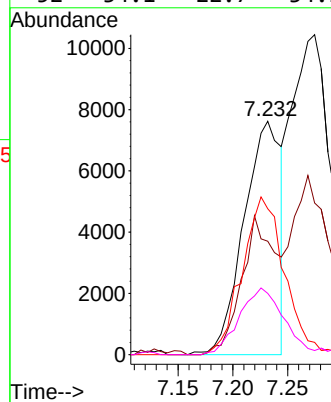
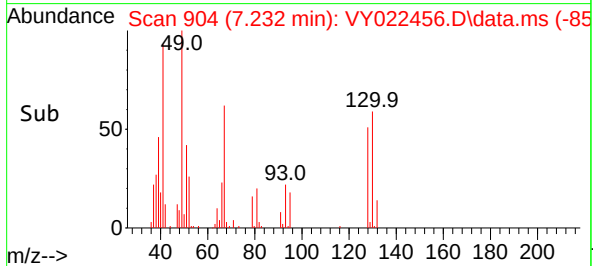
39 55.1 40.4 60.6

67 77.5 53.0 79.4

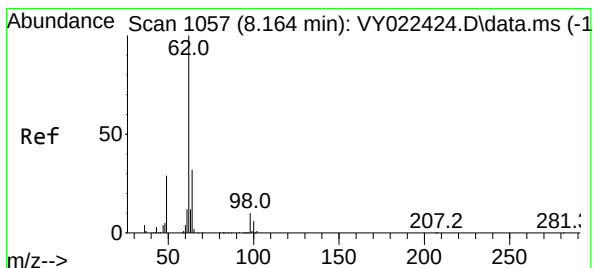
52 34.1 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#42

1,2-Dichloroethane

Concen: 21.906 ug/l

RT: 8.165 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VY022456.D

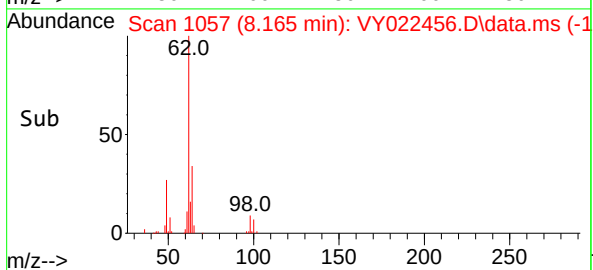
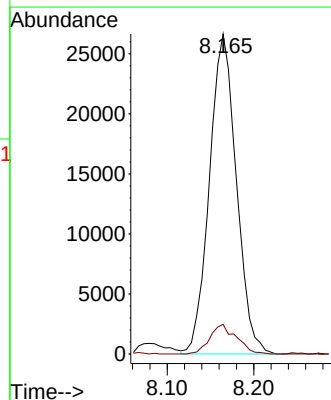
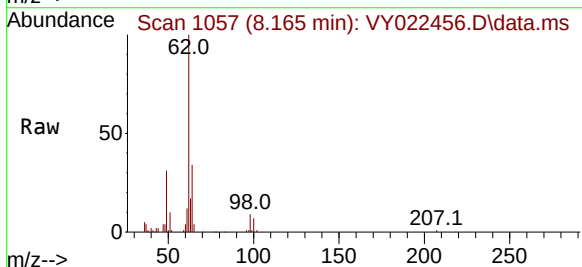
Acq: 29 May 2025 09:50

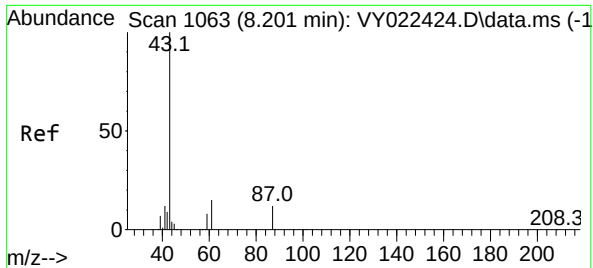
Tgt Ion: 62 Resp: 57566

Ion Ratio Lower Upper

62 100

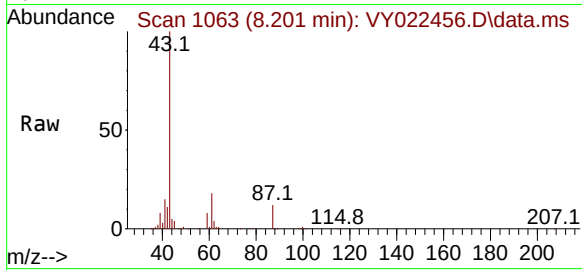
98 9.1 0.0 18.4





#43
Isopropyl Acetate
Concen: 21.973 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

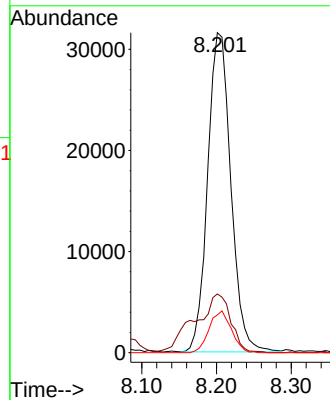
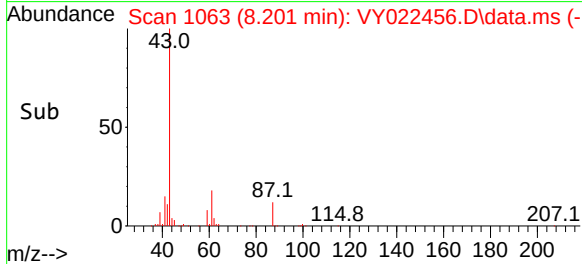
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion: 43 Resp: 68235
Ion Ratio Lower Upper
43 100
61 28.6 15.4 23.0
87 12.5 10.6 15.8

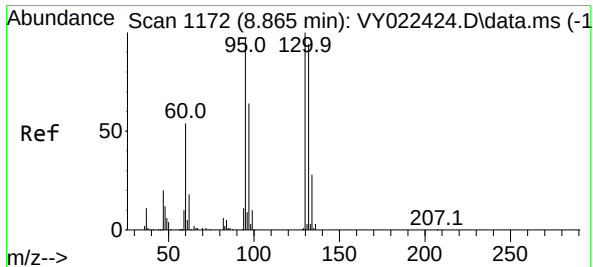
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



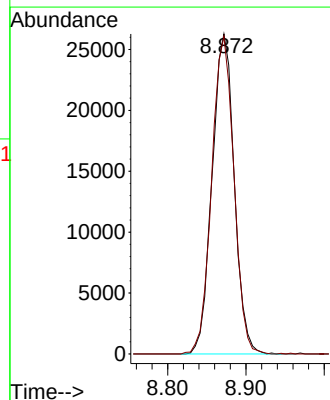
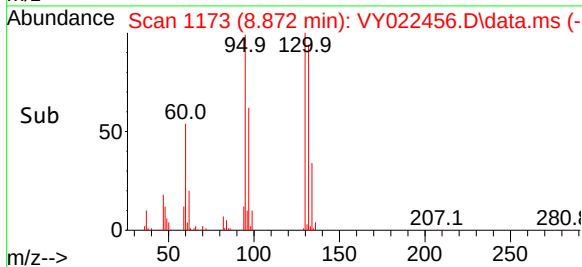
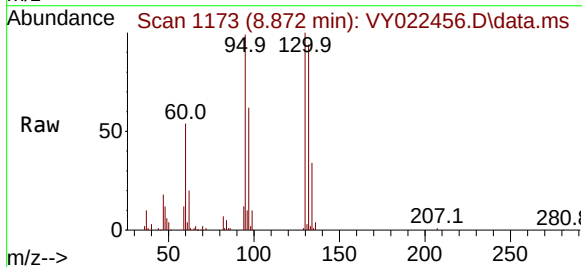
05/30/2025
Supervised By :Semsettin
Yesilyurt

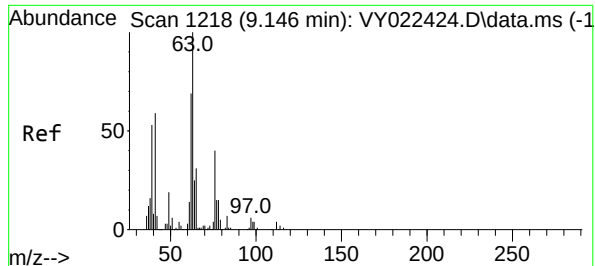
05/30/2025



#44
Trichloroethene
Concen: 20.937 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion:130 Resp: 51499
Ion Ratio Lower Upper
130 100
95 99.2 0.0 194.8





#45

1,2-Dichloropropane

Concen: 21.930 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01

Tgt Ion: 63 Resp: 5126

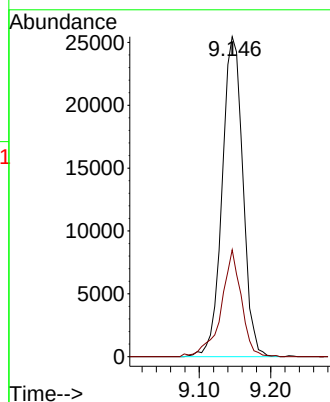
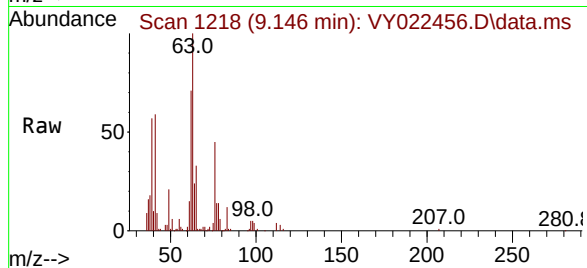
Ion Ratio Lower Upper

63 100

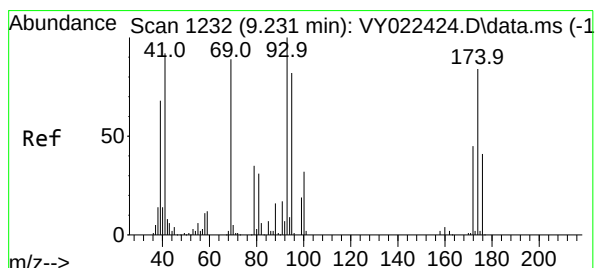
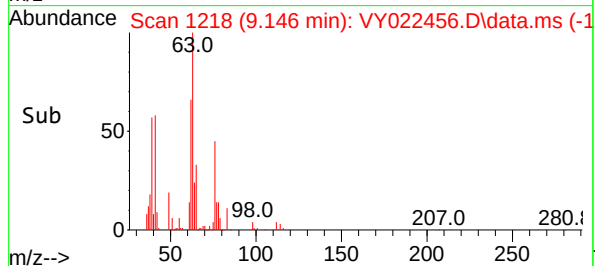
65 33.4 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#46

Dibromomethane

Concen: 21.556 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

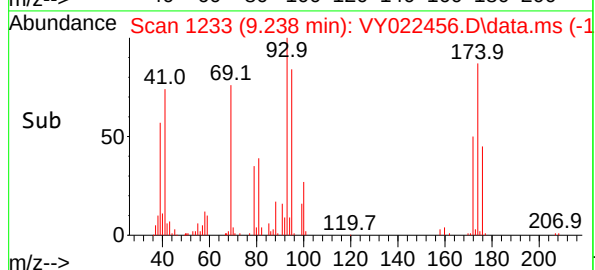
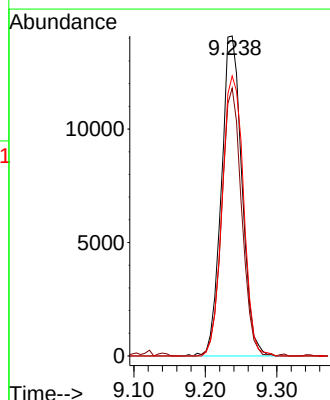
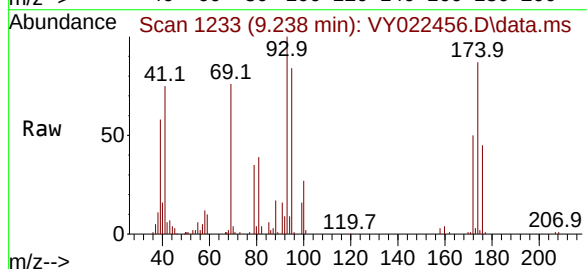
Tgt Ion: 93 Resp: 28152

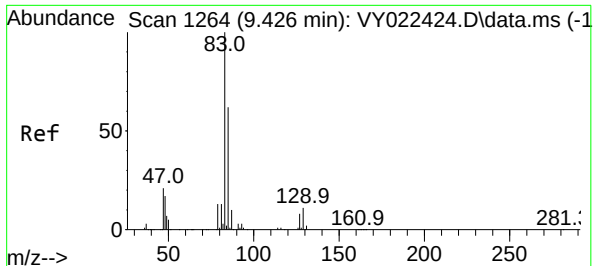
Ion Ratio Lower Upper

93 100

95 80.8 66.2 99.2

174 90.5 71.1 106.7





#47

Bromodichloromethane

Concen: 21.486 ug/l

RT: 9.427 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

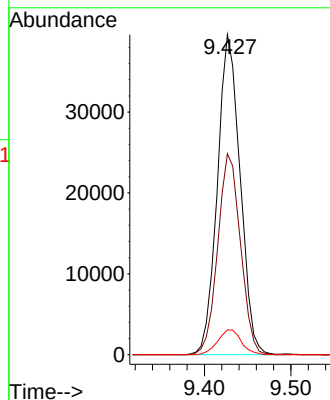
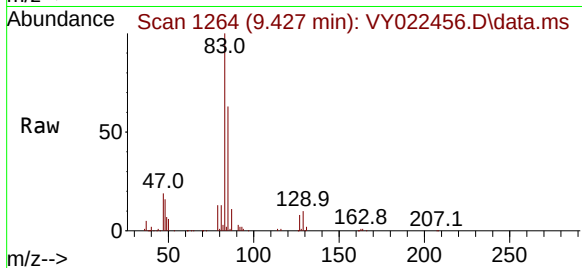
Instrument :

MSVOA_Y

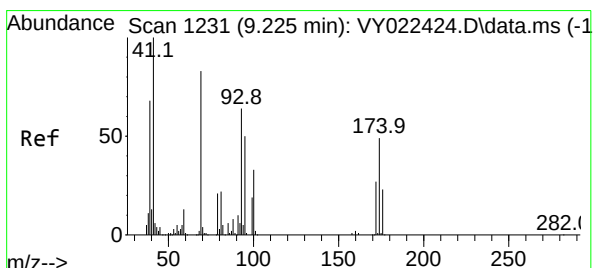
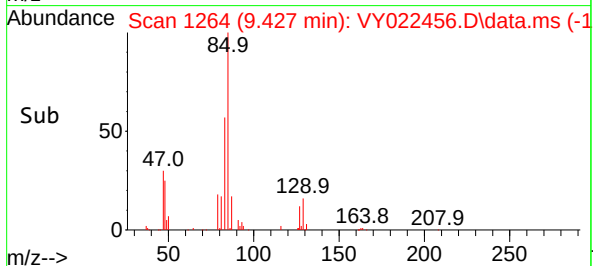
ClientSampleId :

VY0529SBS01

Tgt Ion: 83	Resp: 7215
Ion Ratio	Lower Upper
83 100	
85 62.8	49.8 74.6
127 7.8	6.6 9.8

Manual Integrations
APPROVEDReviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#48

Methyl methacrylate

Concen: 21.934 ug/l

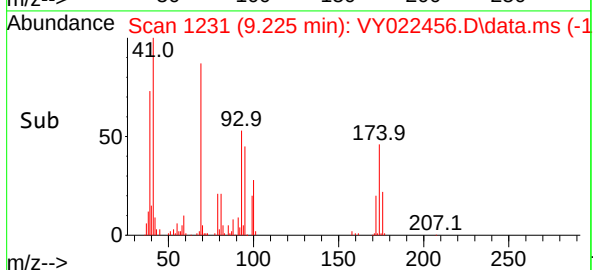
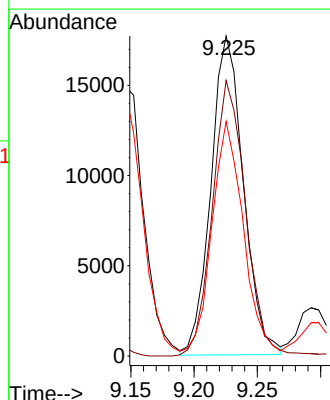
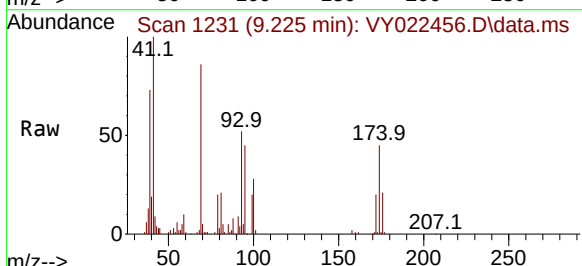
RT: 9.225 min Scan# 1231

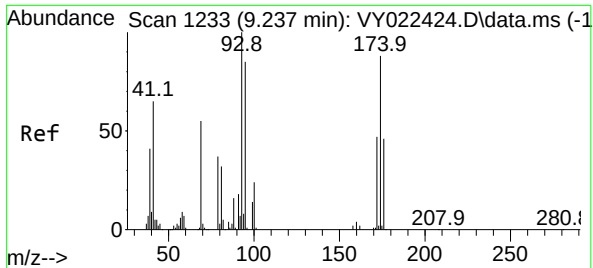
Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Tgt Ion: 41	Resp: 31618
Ion Ratio	Lower Upper
41 100	
69 88.2	70.3 105.5
39 68.8	55.4 83.0





#49

1,4-Dioxane

Concen: 459.490 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

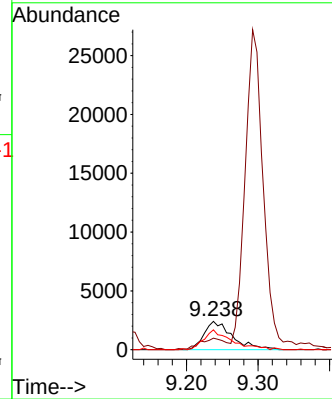
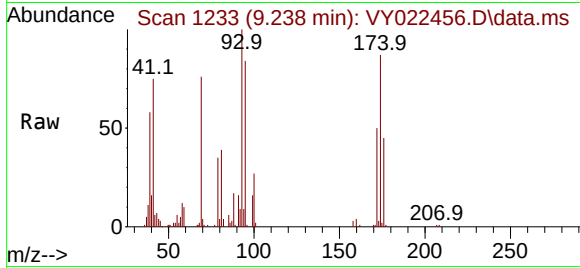
ClientSampleId :

VY0529SBSD01

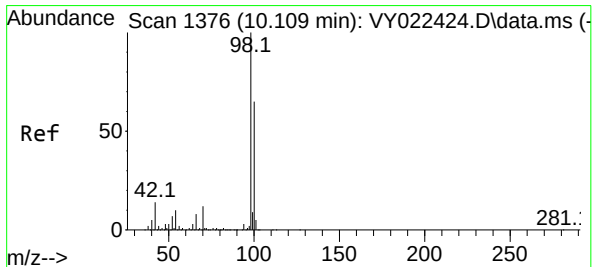
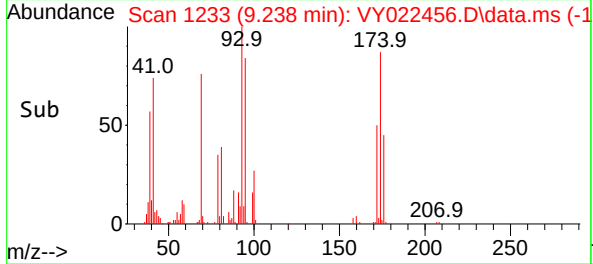
Tgt Ion: 88	Resp: 6628
Ion Ratio	Lower Upper
88 100	
43 34.7	26.9 40.3
58 68.9	55.8 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#50

Toluene-d8

Concen: 51.578 ug/l

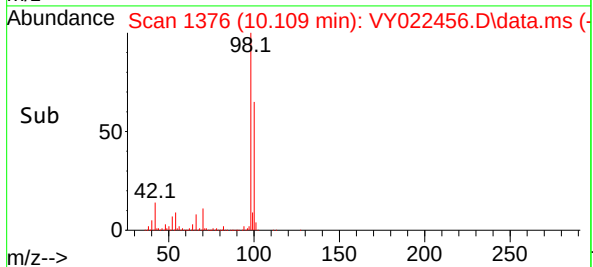
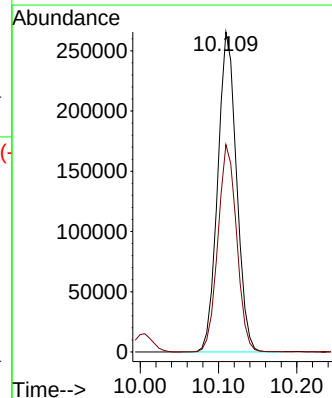
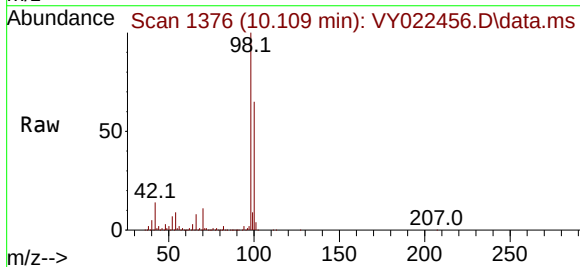
RT: 10.109 min Scan# 1376

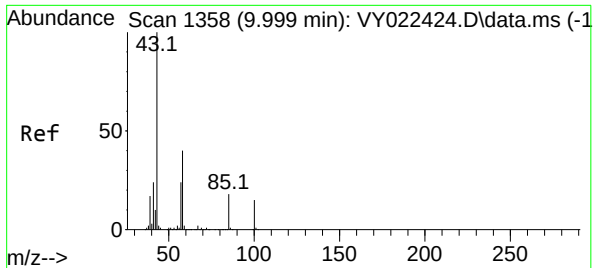
Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

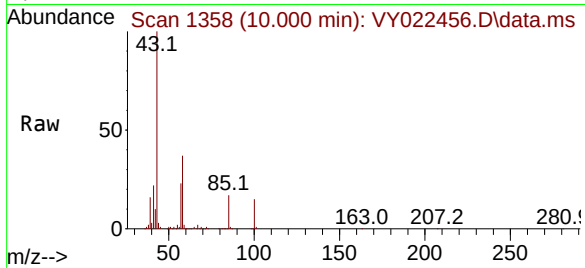
Tgt Ion: 98	Resp: 443079
Ion Ratio	Lower Upper
98 100	
100 64.6	52.2 78.2





#51
4-Methyl-2-Pentanone
Concen: 110.718 ug/l
RT: 10.000 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

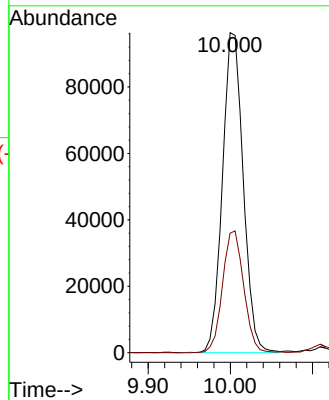
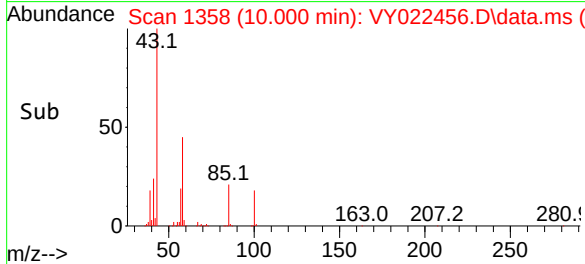
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01



Tgt Ion: 43 Resp: 16964
Ion Ratio Lower Upper
43 100
58 38.8 31.2 46.8

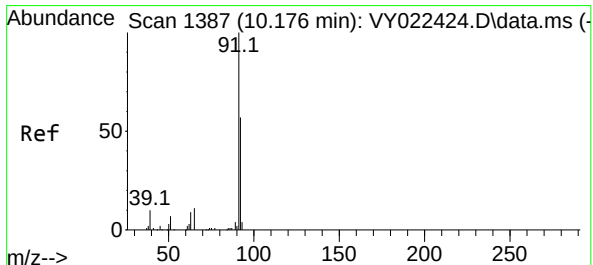
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



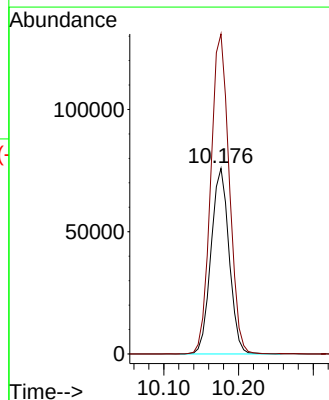
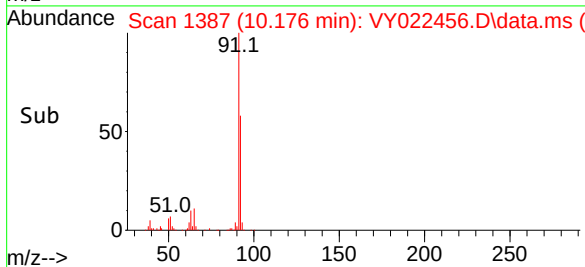
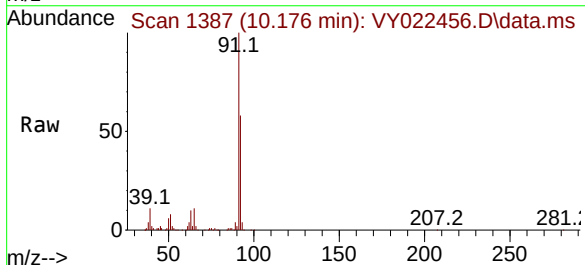
05/30/2025
Supervised By :Semsettin
Yesilyurt

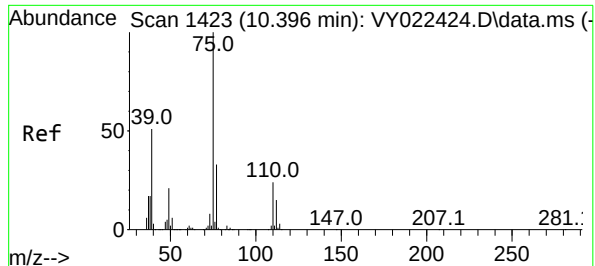
05/30/2025



#52
Toluene
Concen: 20.565 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

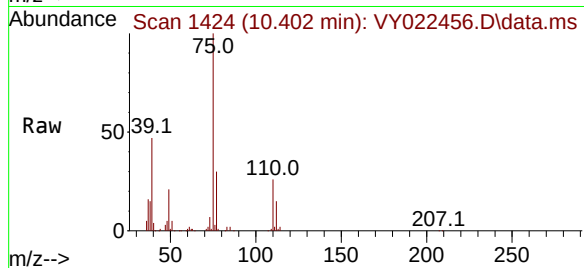
Tgt Ion: 92 Resp: 127807
Ion Ratio Lower Upper
92 100
91 176.3 139.8 209.6





#53
t-1,3-Dichloropropene
Concen: 21.159 ug/l
RT: 10.402 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

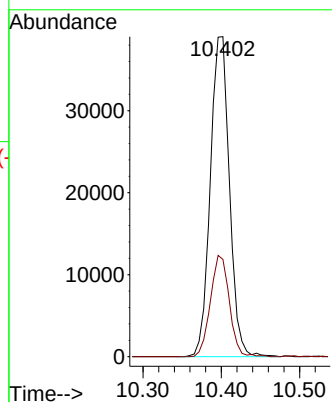
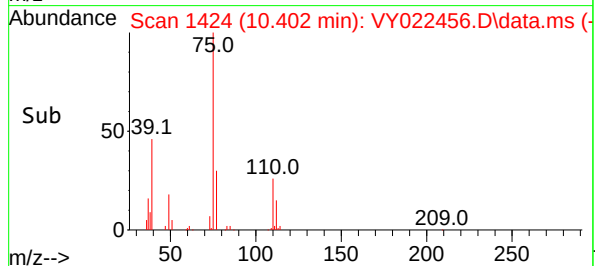
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01



Tgt Ion: 75 Resp: 66189
Ion Ratio Lower Upper
75 100
77 30.4 26.2 39.2

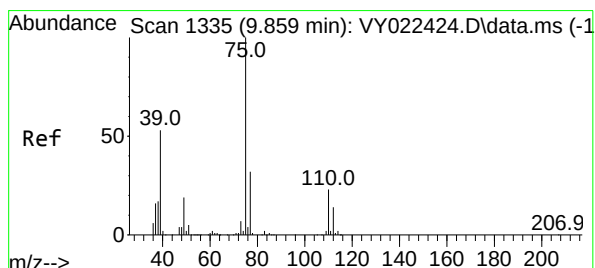
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



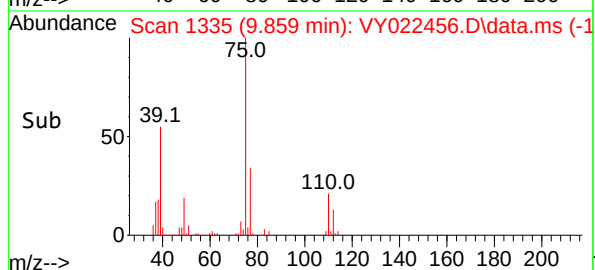
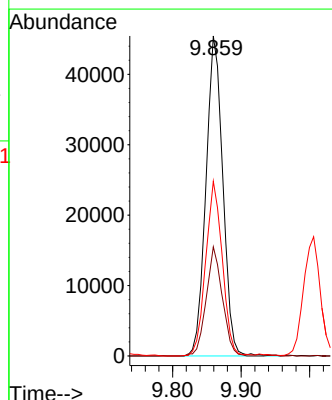
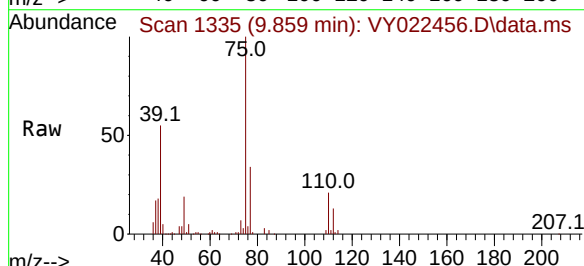
05/30/2025
Supervised By :Semsettin
Yesilyurt

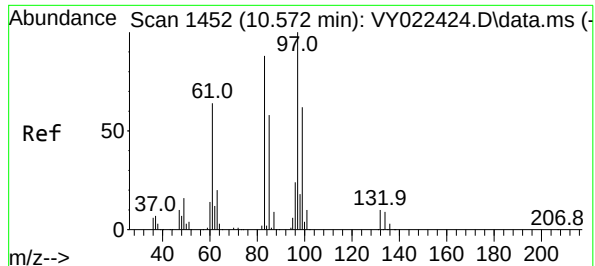
05/30/2025



#54
cis-1,3-Dichloropropene
Concen: 21.209 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

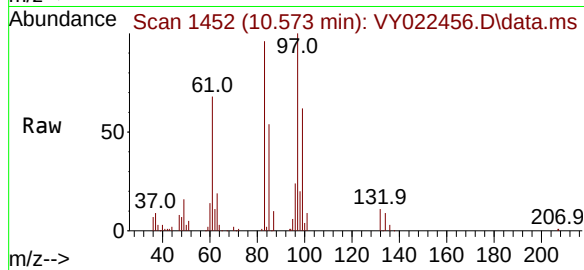
Tgt Ion: 75 Resp: 77958
Ion Ratio Lower Upper
75 100
77 34.1 25.4 38.2
39 54.6 42.5 63.7





#55
1,1,2-Trichloroethane
Concen: 21.244 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

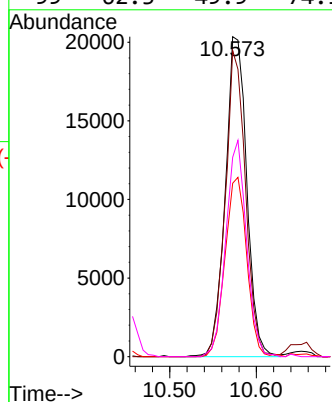
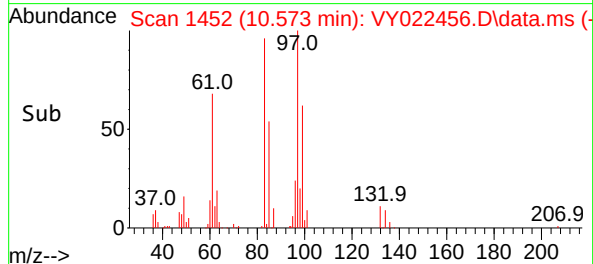
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion: 97 Resp: 35072
Ion Ratio Lower Upper
97 100
83 95.7 70.2 105.4
85 54.2 46.1 69.1
99 62.3 49.9 74.9

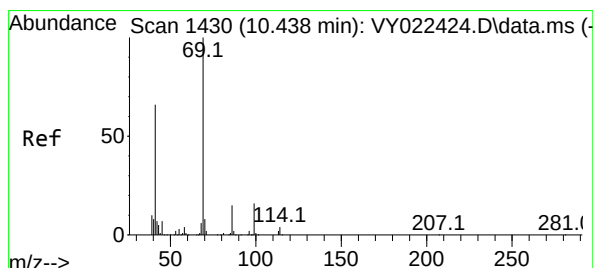
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



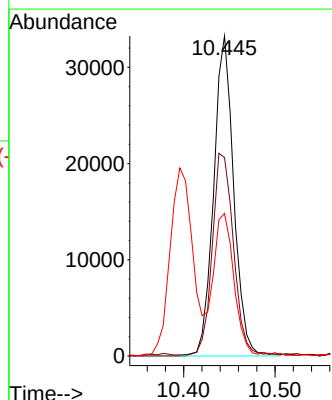
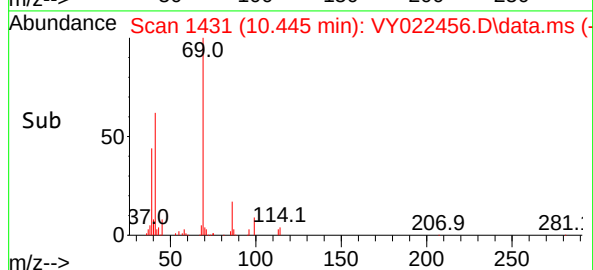
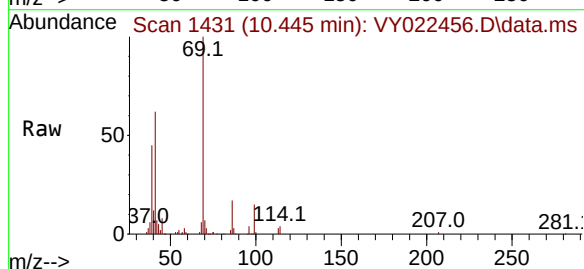
05/30/2025
Supervised By :Semsettin
Yesilyurt

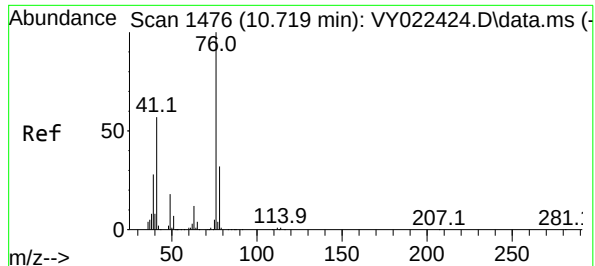
05/30/2025



#56
Ethyl methacrylate
Concen: 21.361 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

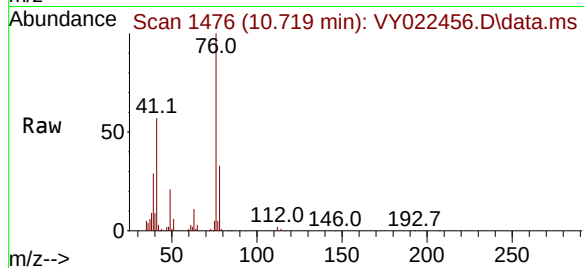
Tgt Ion: 69 Resp: 50615
Ion Ratio Lower Upper
69 100
41 66.4 51.2 76.8
39 45.8 35.2 52.8





#57
1,3-Dichloropropane
Concen: 21.506 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

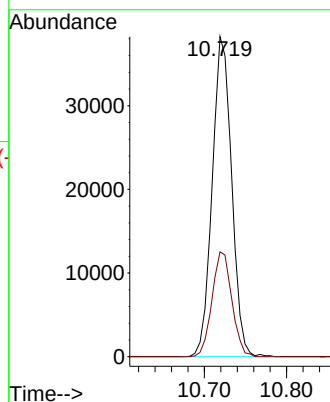
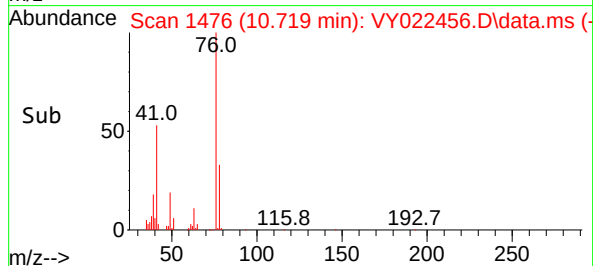
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01



Tgt Ion: 76 Resp: 62570
Ion Ratio Lower Upper
76 100
78 33.4 25.8 38.8

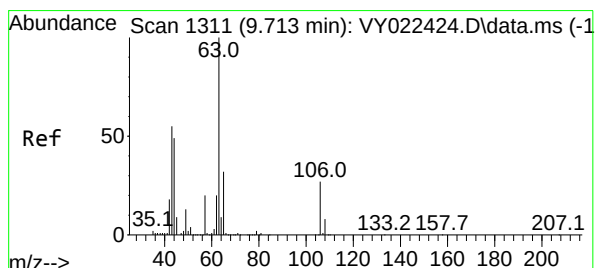
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



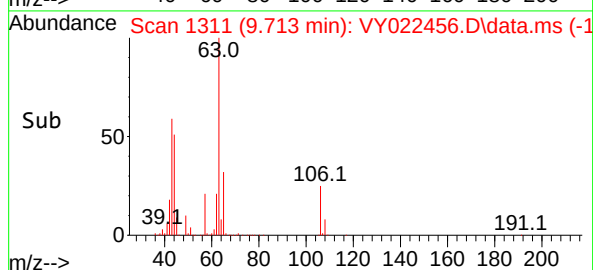
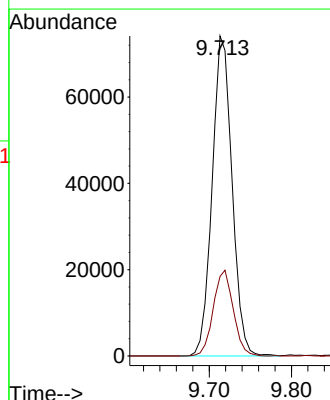
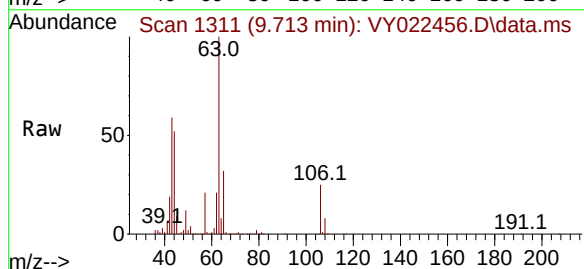
05/30/2025
Supervised By :Semsettin
Yesilyurt

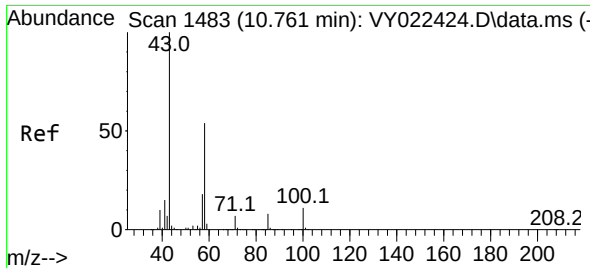
05/30/2025



#58
2-Chloroethyl Vinyl ether
Concen: 105.282 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion: 63 Resp: 124329
Ion Ratio Lower Upper
63 100
106 26.9 22.2 33.2





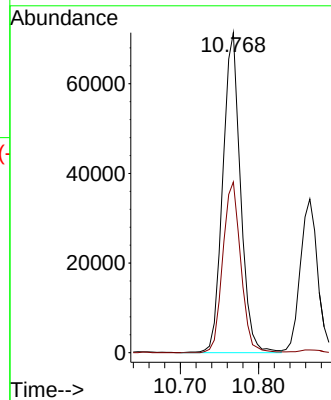
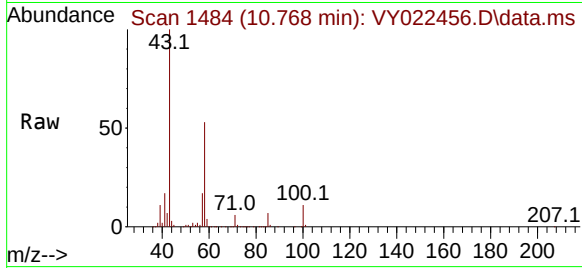
#59
2-Hexanone
Concen: 111.915 ug/l
RT: 10.768 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Tgt Ion: 43 Resp: 11237
Ion Ratio Lower Upper
43 100
58 54.1 27.1 81.2

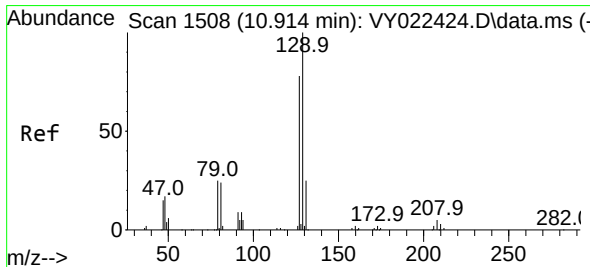
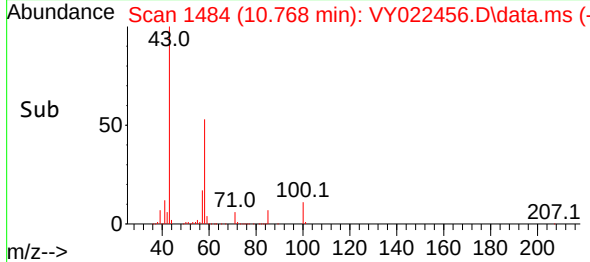
Manual Integrations
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Reviewed By :Mahesh
Dadoda



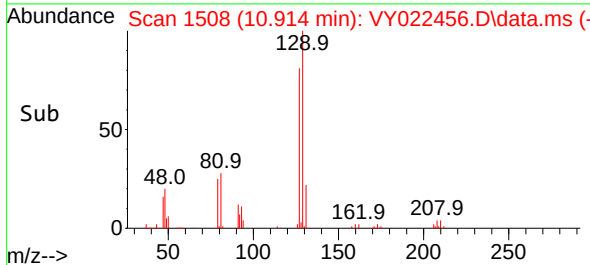
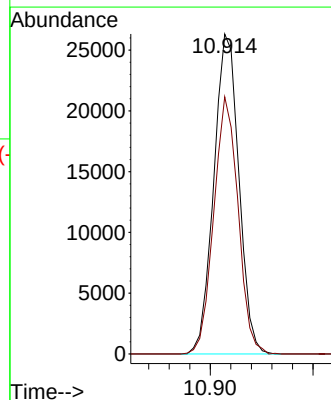
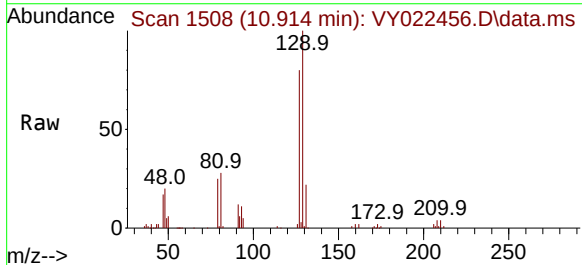
05/30/2025
Supervised By :Semsettin
Yesilyurt

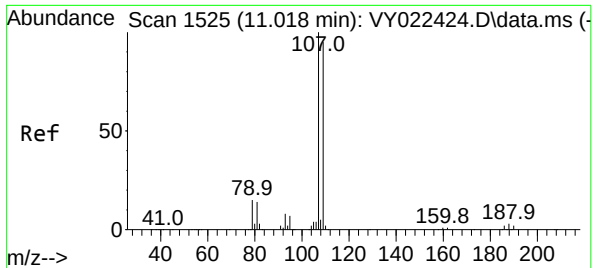
05/30/2025



#60
Dibromochloromethane
Concen: 21.090 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion:129 Resp: 44484
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.8





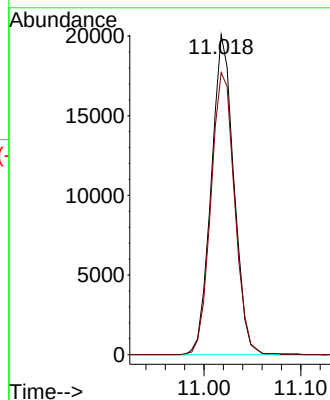
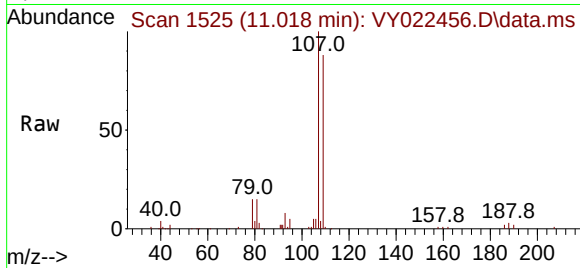
#61
1,2-Dibromoethane
Concen: 21.565 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Tgt Ion: 107 Resp: 3256
Ion Ratio Lower Upper
107 100
109 92.2 74.0 111.0

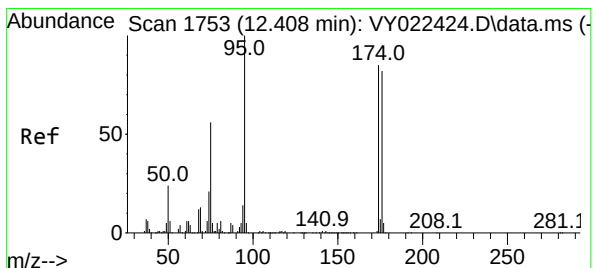
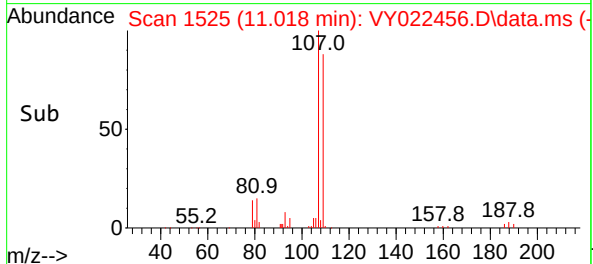
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



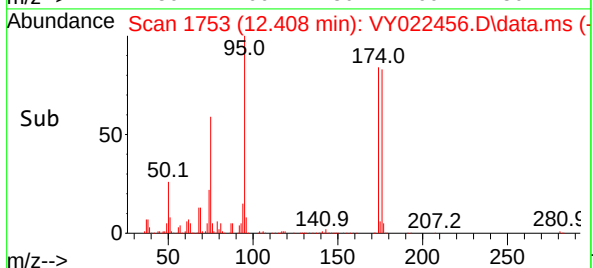
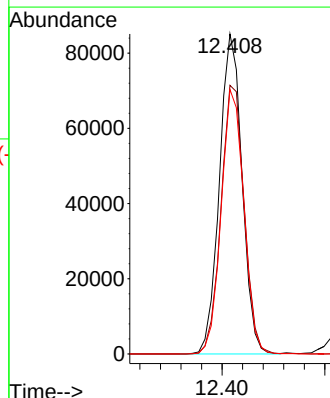
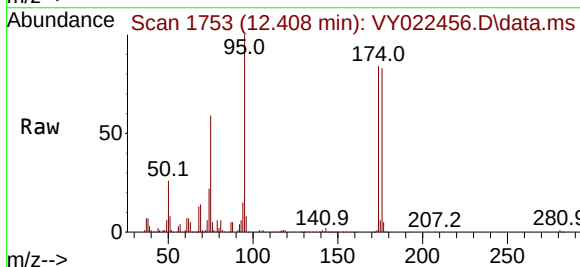
05/30/2025
Supervised By :Semsettin
Yesilyurt

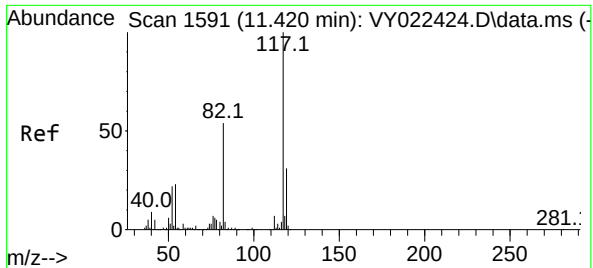
05/30/2025



#62
4-Bromofluorobenzene
Concen: 49.908 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

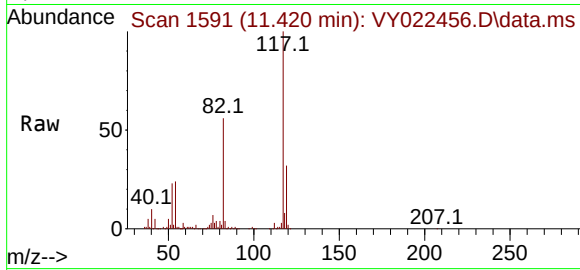
Tgt Ion: 95 Resp: 129686
Ion Ratio Lower Upper
95 100
174 85.9 0.0 171.6
176 82.7 0.0 164.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

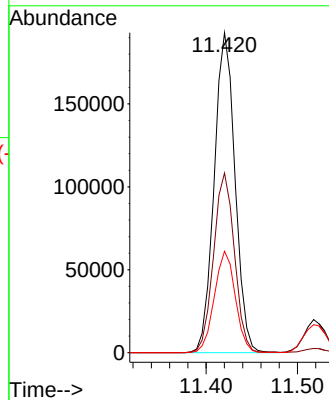
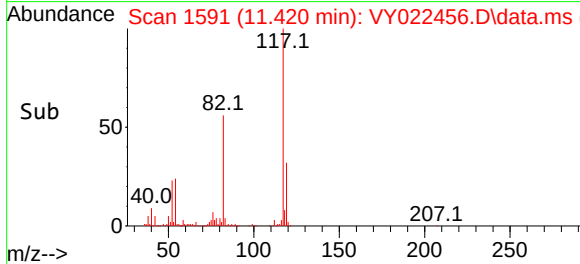
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01



Tgt Ion:117 Resp: 30584
Ion Ratio Lower Upper
117 100
82 56.2 43.3 64.9
119 31.7 24.5 36.7

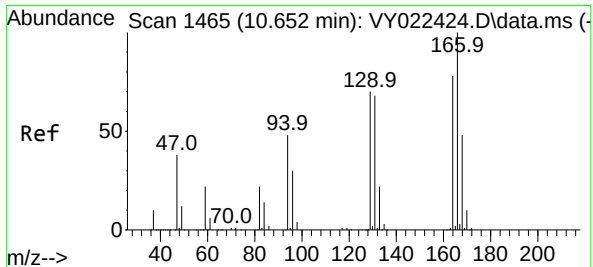
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



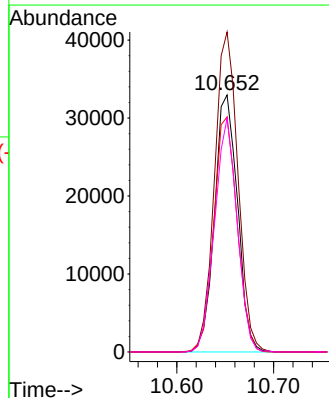
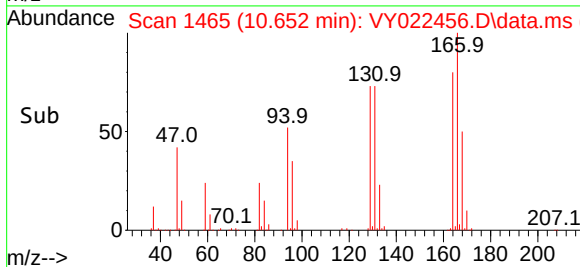
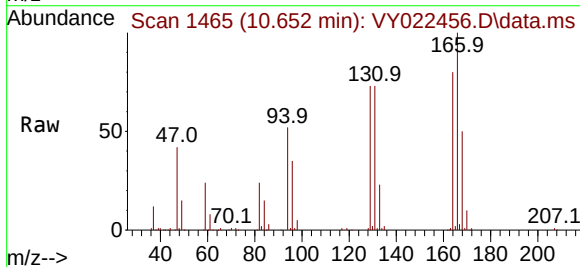
05/30/2025
Supervised By :Semsettin
Yesilyurt

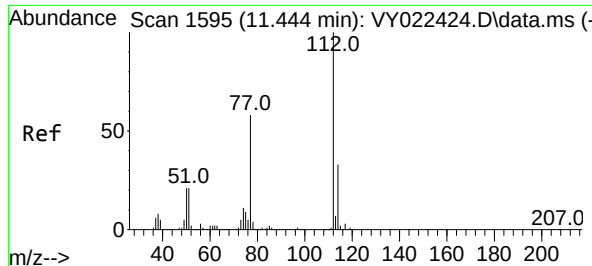
05/30/2025



#64
Tetrachloroethene
Concen: 20.904 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

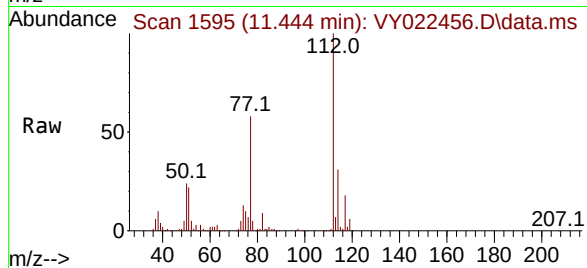
Tgt Ion:164 Resp: 54451
Ion Ratio Lower Upper
164 100
166 124.5 102.0 153.0
129 91.5 71.3 106.9
131 90.9 69.4 104.0





#65
Chlorobenzene
Concen: 20.880 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

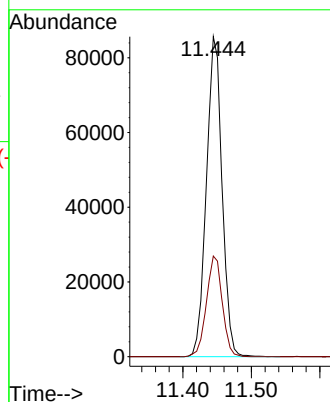
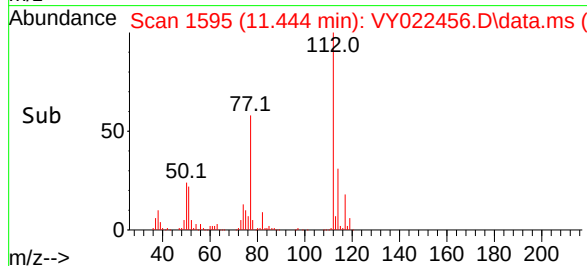
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01



Tgt Ion:112 Resp: 136170
Ion Ratio Lower Upper
112 100
114 31.5 26.1 39.1

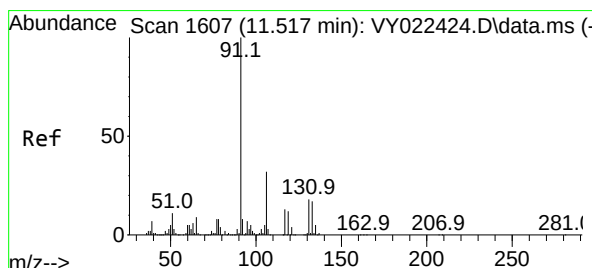
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



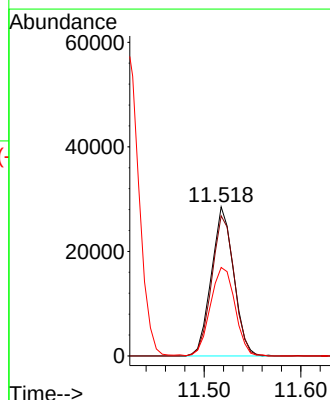
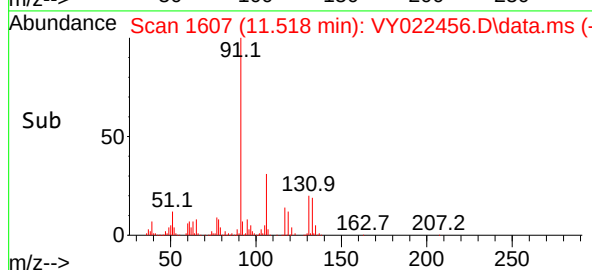
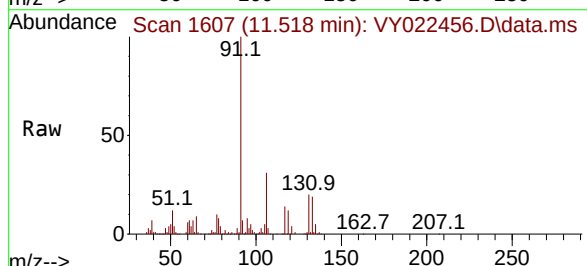
05/30/2025
Supervised By :Semsettin
Yesilyurt

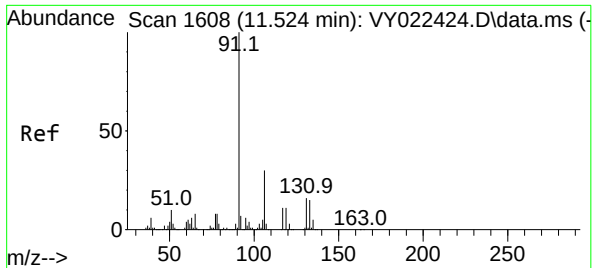
05/30/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.674 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion:131 Resp: 45682
Ion Ratio Lower Upper
131 100
133 95.0 46.6 139.8
119 65.5 33.3 99.8





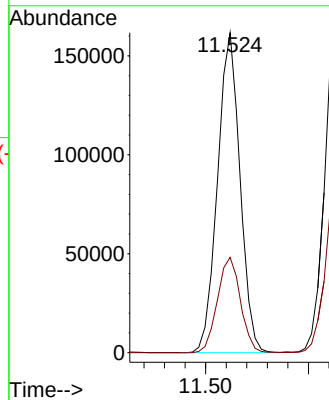
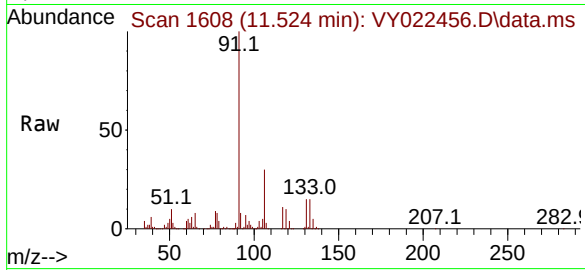
#67
Ethyl Benzene
Concen: 20.243 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Tgt Ion: 91 Resp: 24512
Ion Ratio Lower Upper
91 100
106 29.8 24.4 36.6

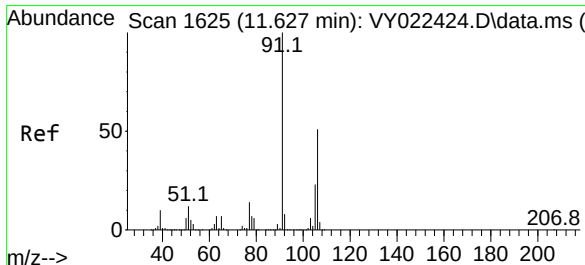
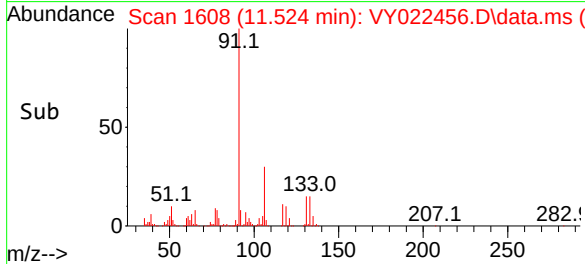
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Dadoda



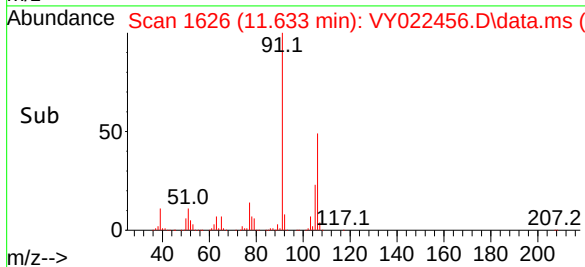
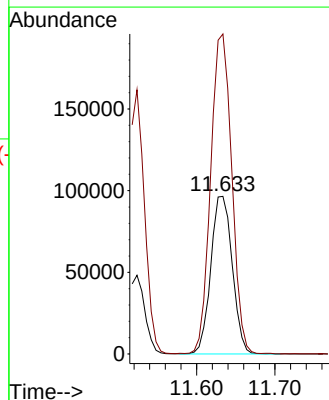
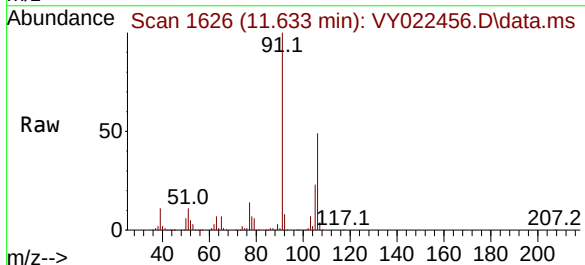
05/30/2025
Supervised By :Semsettin
Yesilyurt

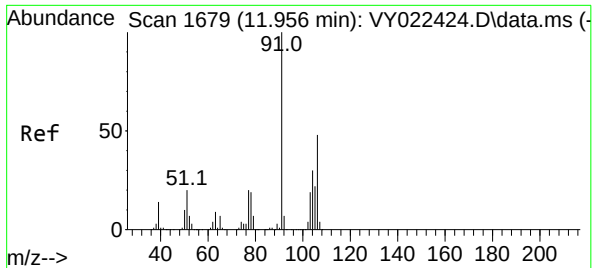
05/30/2025



#68
m/p-Xylenes
Concen: 40.037 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion:106 Resp: 183812
Ion Ratio Lower Upper
106 100
91 199.6 159.8 239.8





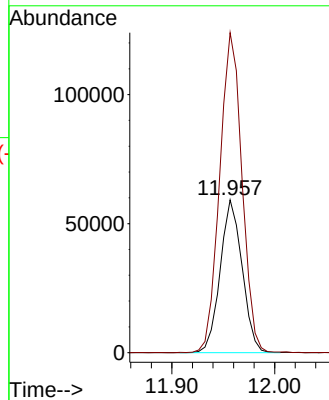
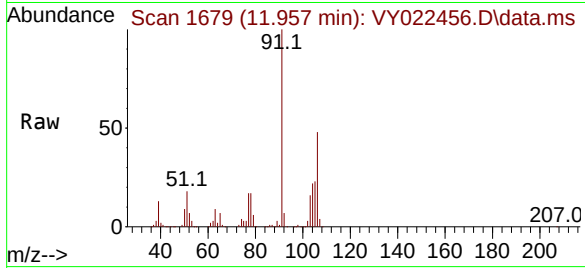
#69
o-Xylene
Concen: 20.343 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Tgt Ion:106 Resp: 87779
Ion Ratio Lower Upper
106 100
91 213.1 106.3 318.9

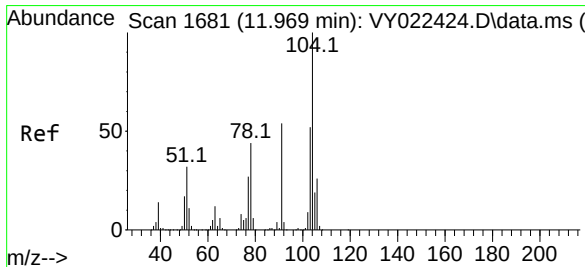
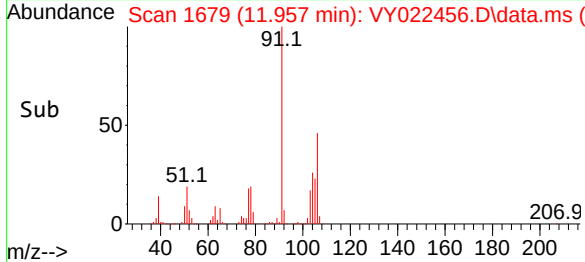
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Reviewed By :Mahesh
Dadoda



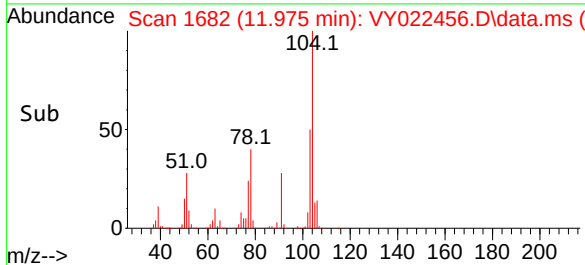
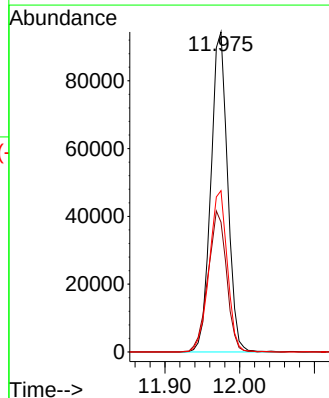
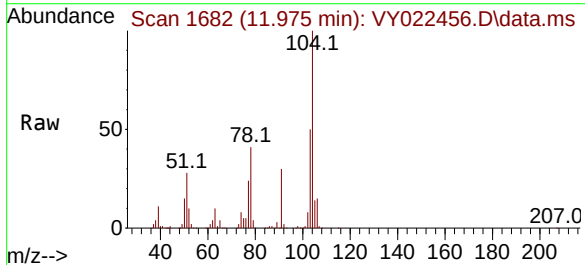
05/30/2025
Supervised By :Semsettin
Yesilyurt

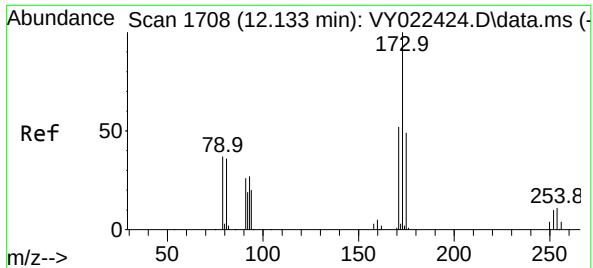
05/30/2025



#70
Styrene
Concen: 20.424 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

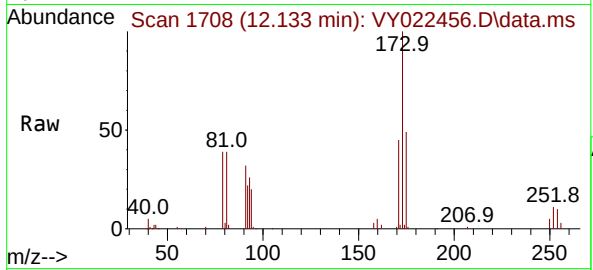
Tgt Ion:104 Resp: 146742
Ion Ratio Lower Upper
104 100
78 48.8 38.8 58.2
103 54.5 43.4 65.2





#71
Bromoform
Concen: 20.865 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

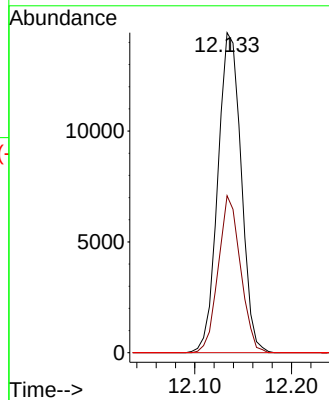
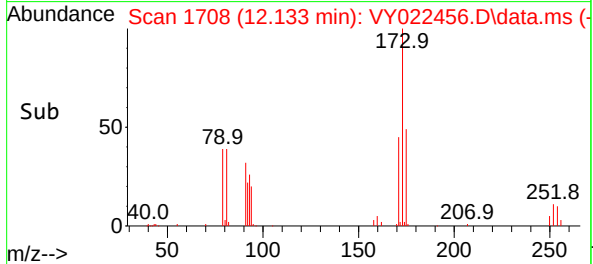
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01



Tgt Ion:173 Resp: 24149
Ion Ratio Lower Upper
173 100
175 46.8 24.3 73.0
254 0.0 0.1 0.1

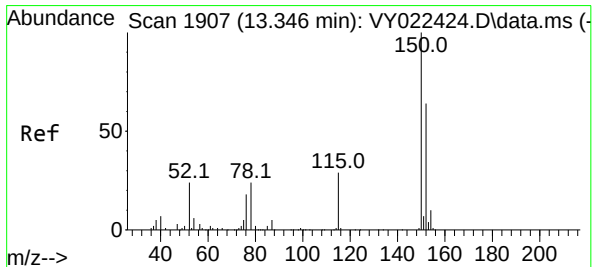
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Reviewed By :Mahesh
Dadoda

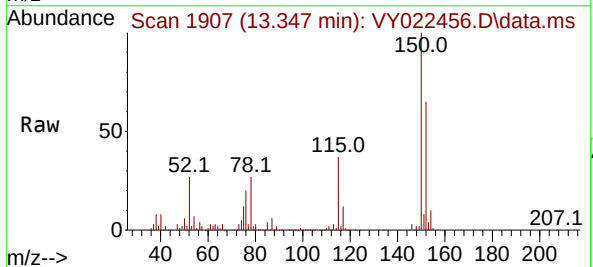


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Supervised By :Semsettin
Yesilyurt

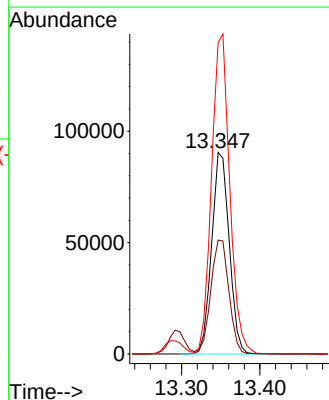
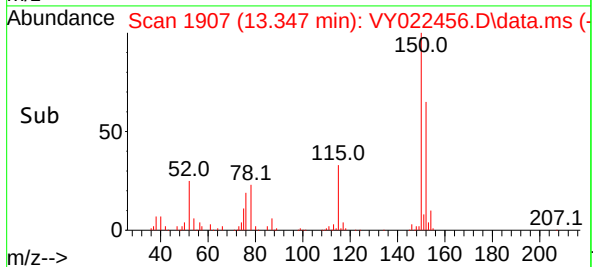
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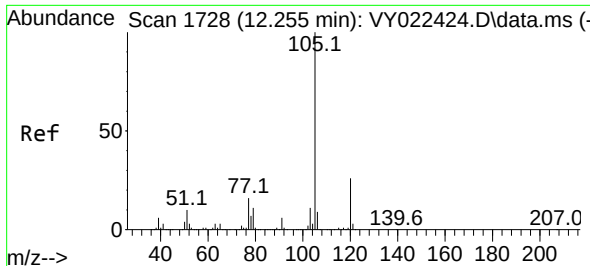


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50



Tgt Ion:152 Resp: 140548
Ion Ratio Lower Upper
152 100
115 58.3 28.4 85.3
150 164.8 0.0 345.8





#73

Isopropylbenzene

Concen: 20.435 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY022456.D

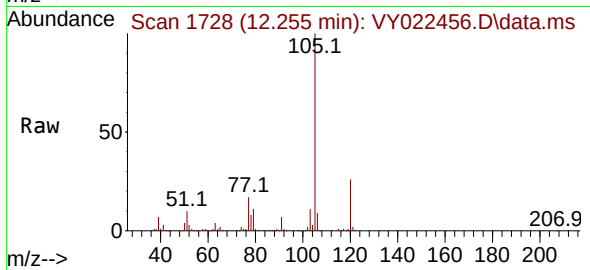
Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBS01



Tgt Ion:105 Resp: 22604

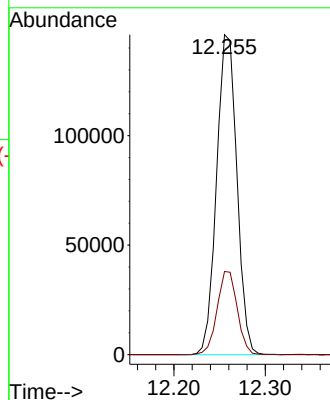
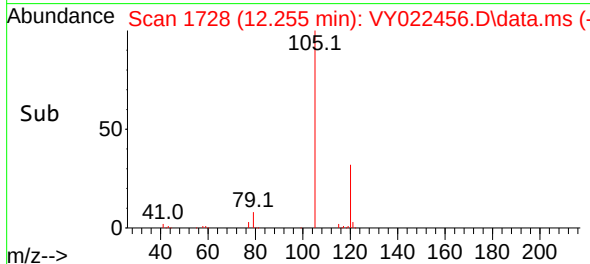
Ion Ratio Lower Upper

105 100

120 25.7 13.2 39.5

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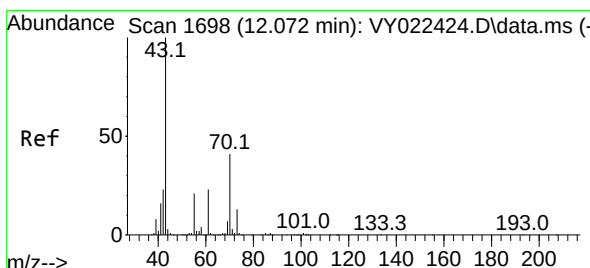
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Reviewed By :Mahesh
Dadoda

05/30/2025

Supervised By :Semsettin
Yesilyurt

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#74

N-ethyl acetate

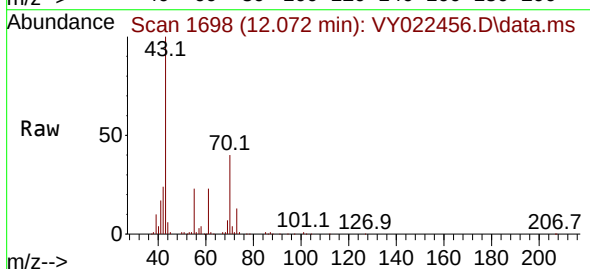
Concen: 21.701 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50



Tgt Ion: 43 Resp: 58739

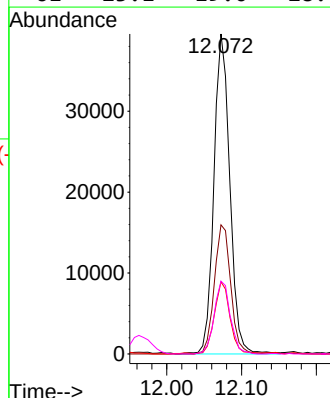
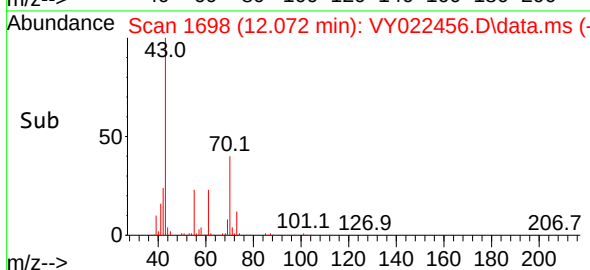
Ion Ratio Lower Upper

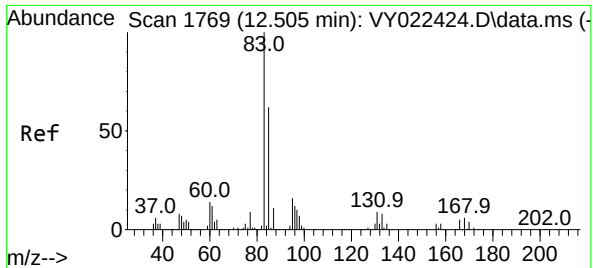
43 100

70 41.5 33.0 49.4

55 22.2 17.5 26.3

61 23.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.786 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

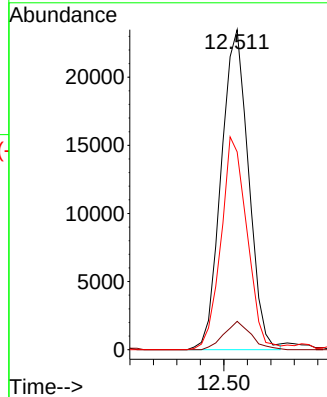
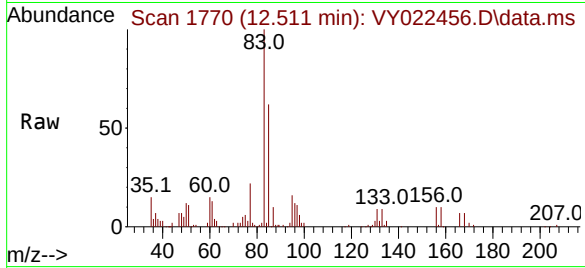
Instrument :

MSVOA_Y

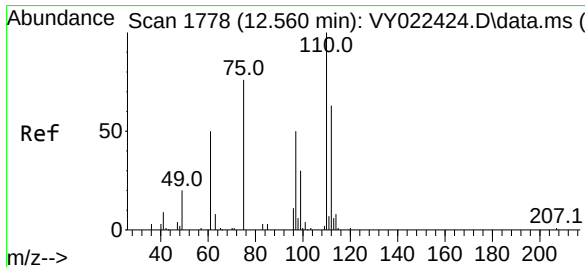
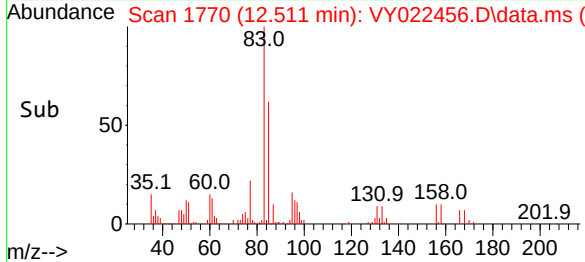
ClientSampleId :

VY0529SBS01

Tgt Ion:	83	Resp:	37969
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.8	14.4
85	63.3	32.0	96.2

Manual Integrations
APPROVEDReviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#76

1,2,3-Trichloropropane

Concen: 18.730 ug/l m

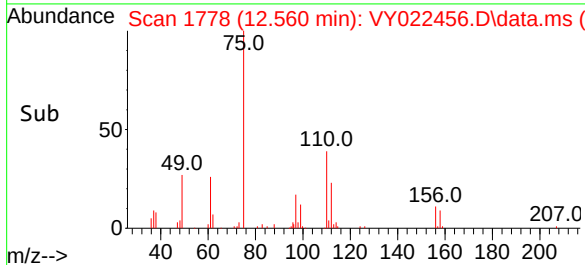
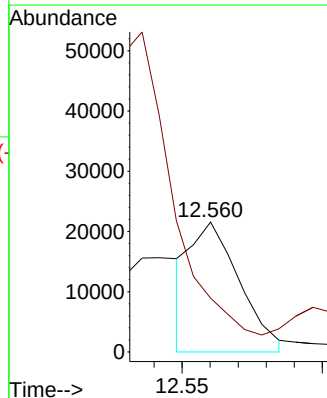
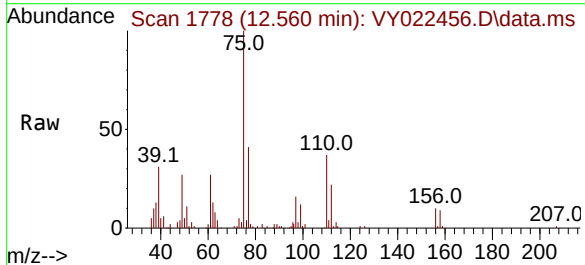
RT: 12.560 min Scan# 1778

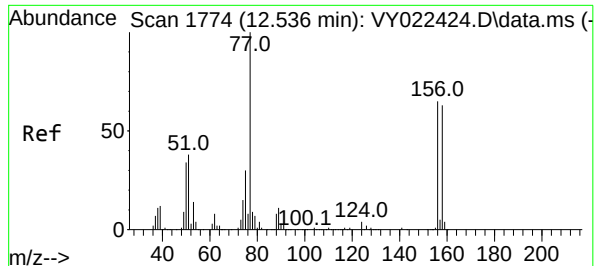
Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Tgt Ion:	75	Resp:	26369
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.522 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

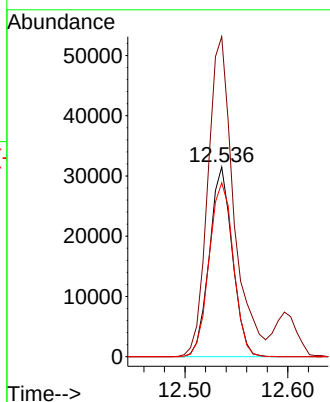
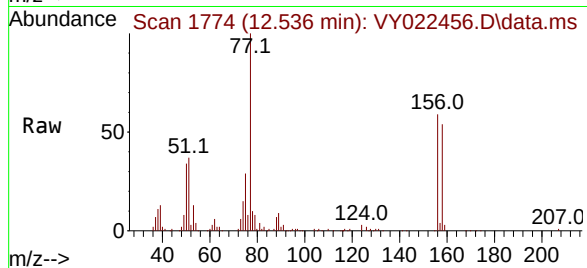
Instrument :

MSVOA_Y

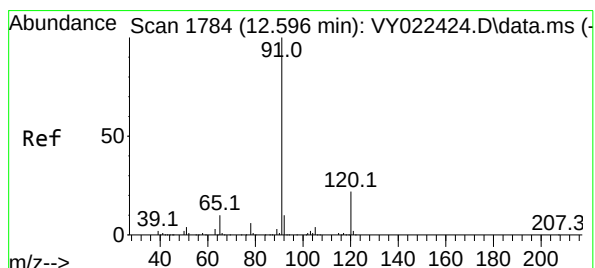
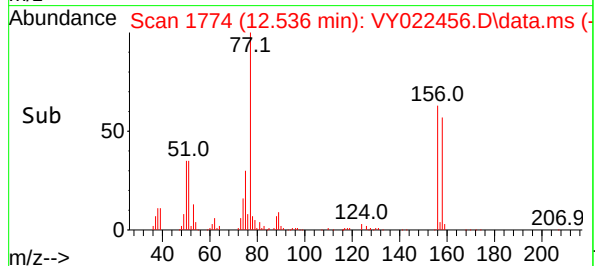
ClientSampleId :

VY0529SBSD01

Tgt Ion:	156	Resp:	4885
Ion Ratio	Lower	Upper	
156	100		
77	190.4	91.4	274.2
158	96.8	48.1	144.3

Manual Integrations
APPROVEDReviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#78

n-propylbenzene

Concen: 20.673 ug/l

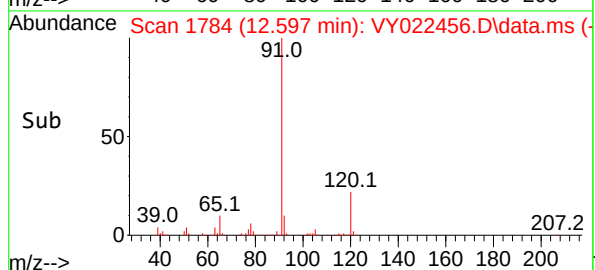
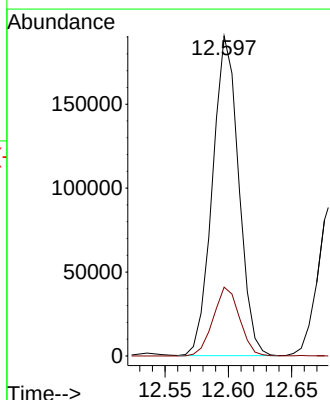
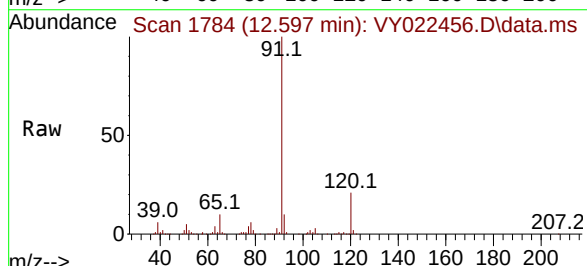
RT: 12.597 min Scan# 1784

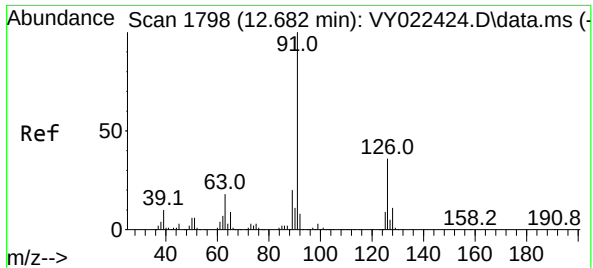
Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Tgt Ion:	91	Resp:	274435
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.2	33.5





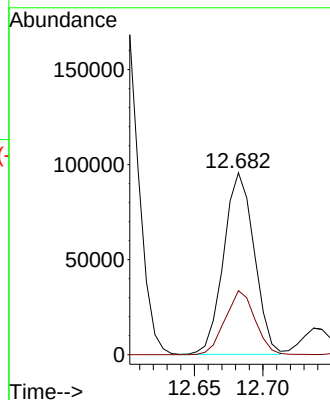
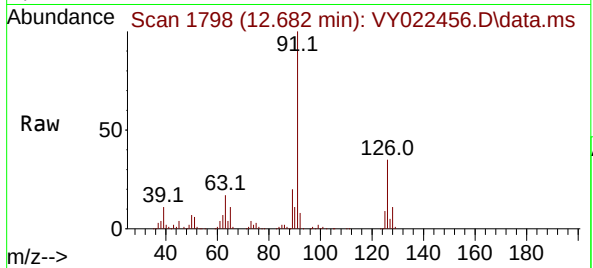
#79
2-Chlorotoluene
Concen: 20.680 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Tgt Ion: 91 Resp: 148607
Ion Ratio Lower Upper
91 100
126 34.5 17.4 52.3

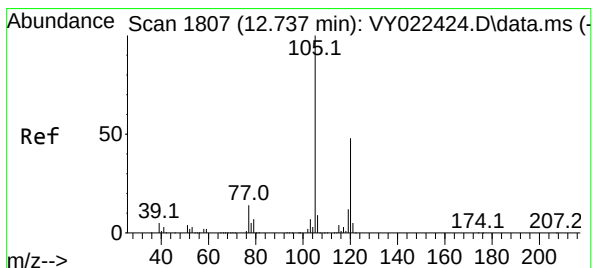
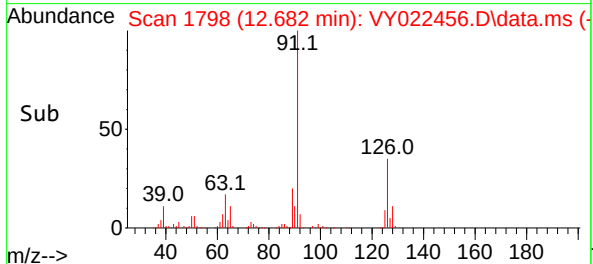
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



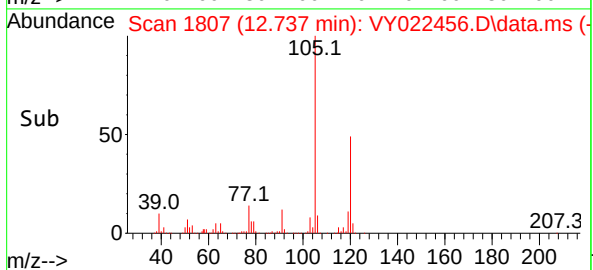
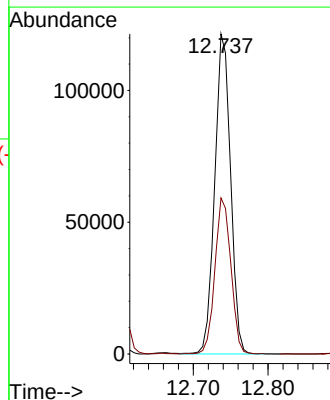
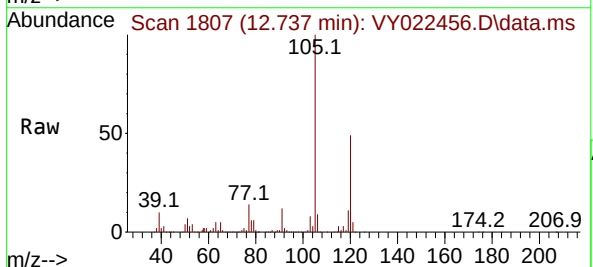
05/30/2025
Supervised By :Semsettin
Yesilyurt

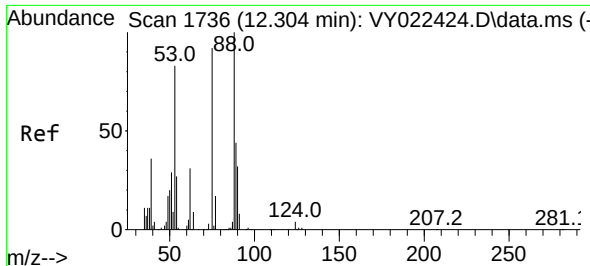
05/30/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.742 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

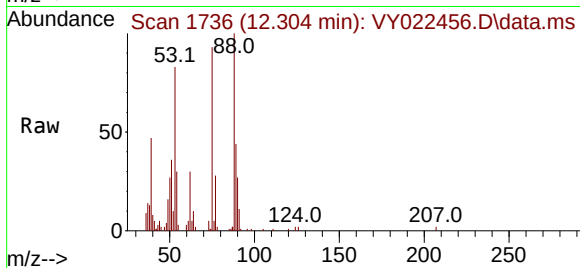
Tgt Ion:105 Resp: 179270
Ion Ratio Lower Upper
105 100
120 49.2 24.3 73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 21.252 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

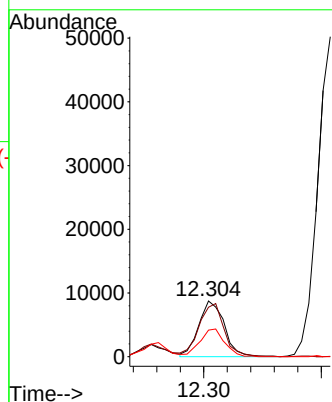
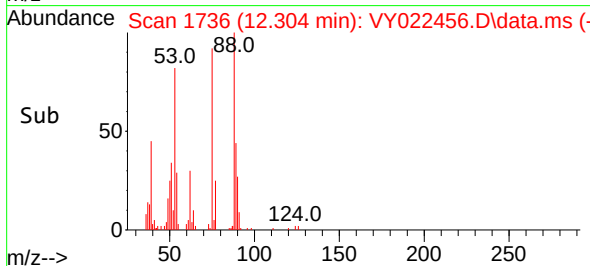
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01



Tgt Ion: 75 Resp: 13230
Ion Ratio Lower Upper
75 100
53 94.1 75.1 112.7
89 48.3 37.4 56.0

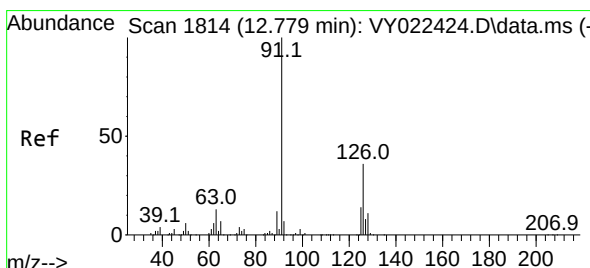
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



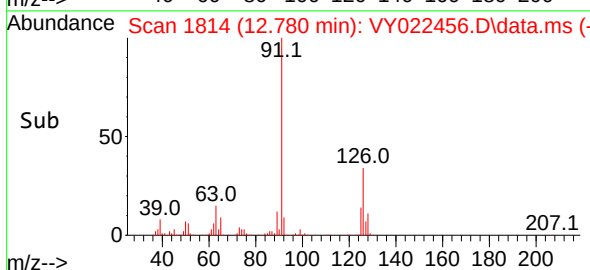
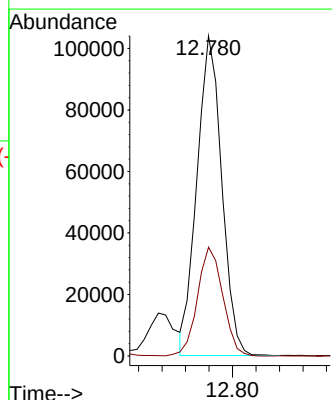
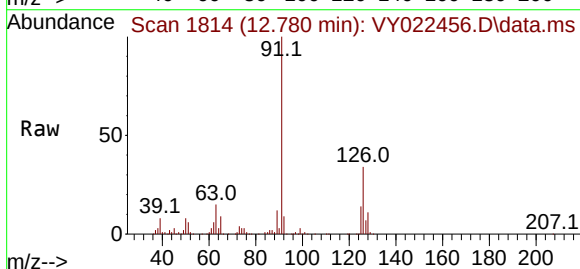
05/30/2025
Supervised By :Semsettin
Yesilyurt

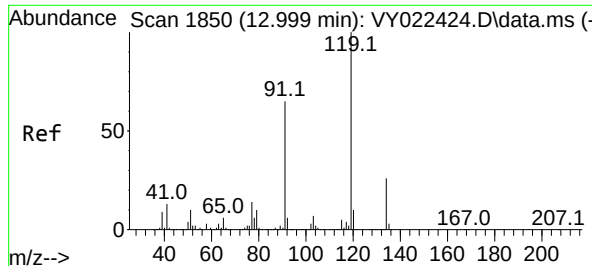
05/30/2025



#82
4-Chlorotoluene
Concen: 20.594 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion: 91 Resp: 152410
Ion Ratio Lower Upper
91 100
126 34.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 20.194 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBSD01

Tgt Ion:119 Resp: 157690

Ion Ratio Lower Upper

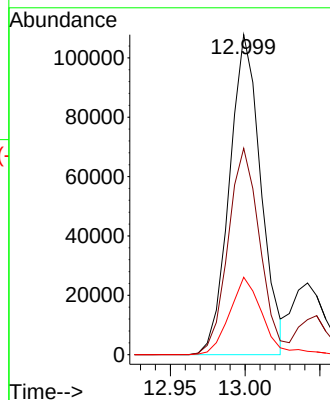
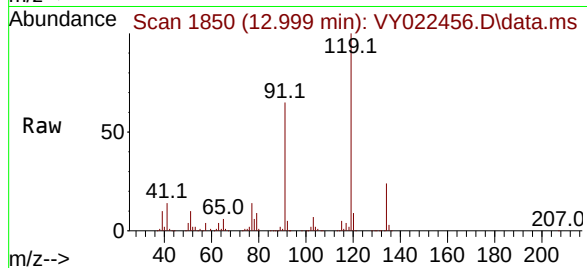
119 100

91 65.8 31.8 95.3

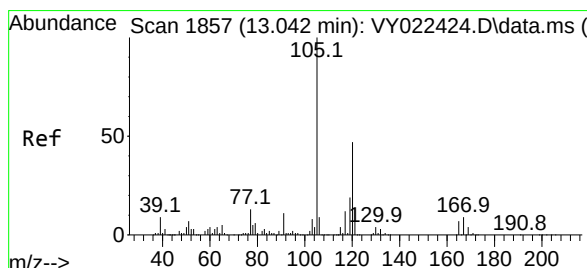
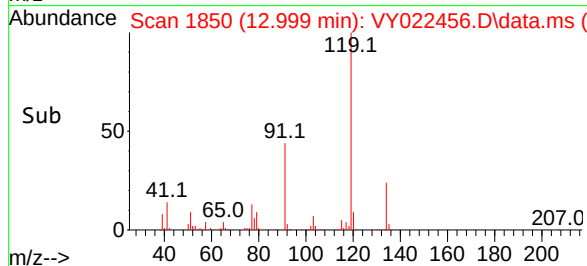
134 25.6 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.566 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022456.D

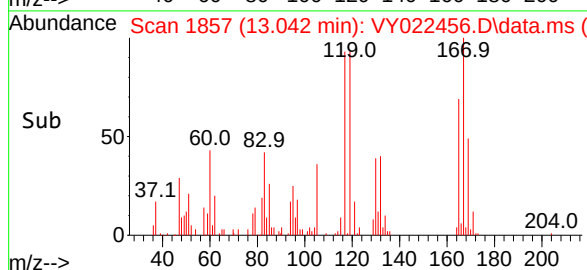
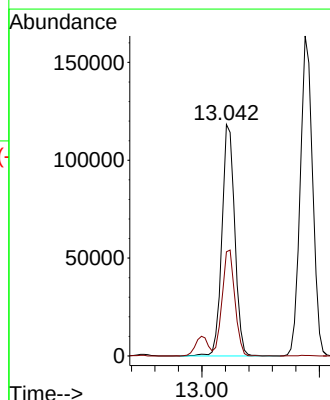
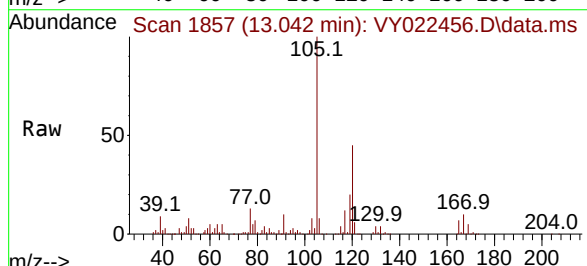
Acq: 29 May 2025 09:50

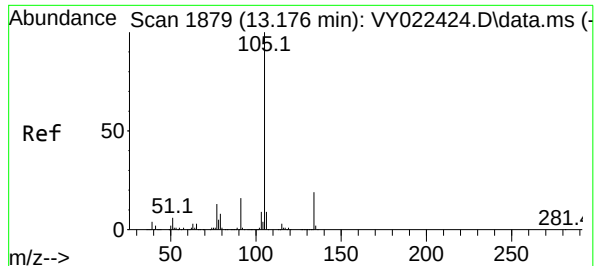
Tgt Ion:105 Resp: 178877

Ion Ratio Lower Upper

105 100

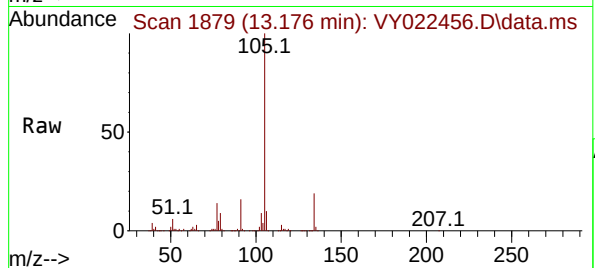
120 45.4 22.9 68.5





#85
sec-Butylbenzene
Concen: 20.613 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

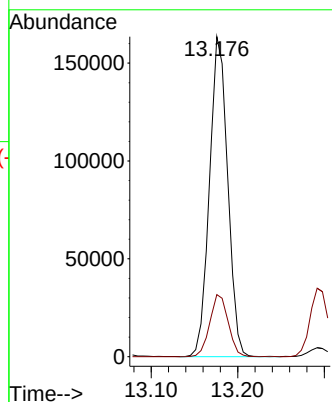
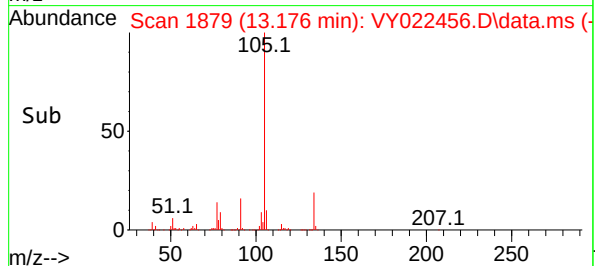
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01



Tgt Ion:105 Resp: 238715
Ion Ratio Lower Upper
105 100
134 19.6 9.7 29.1

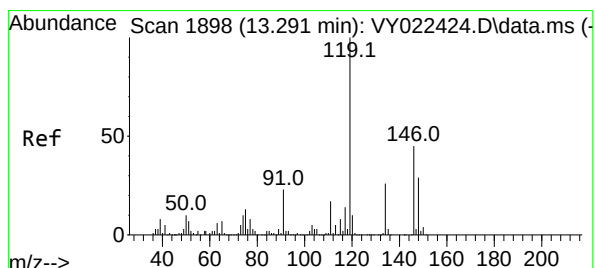
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



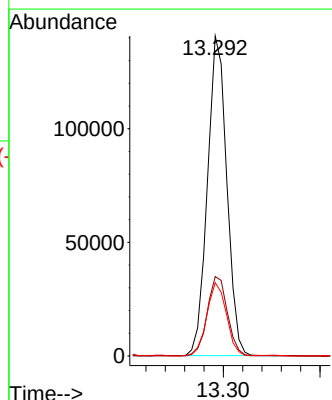
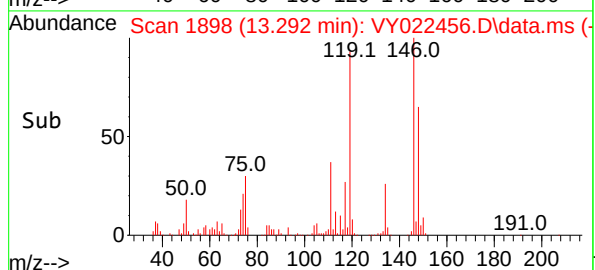
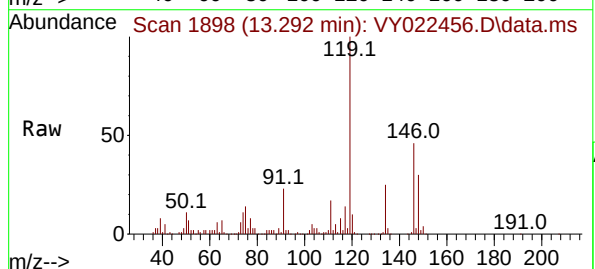
05/30/2025
Supervised By :Semsettin
Yesilyurt

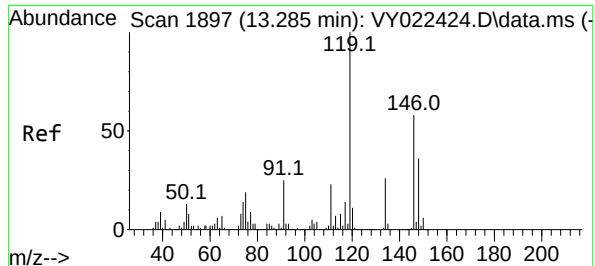
05/30/2025



#86
p-Isopropyltoluene
Concen: 20.268 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion:119 Resp: 196000
Ion Ratio Lower Upper
119 100
134 25.9 13.0 39.0
91 23.1 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 20.454 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

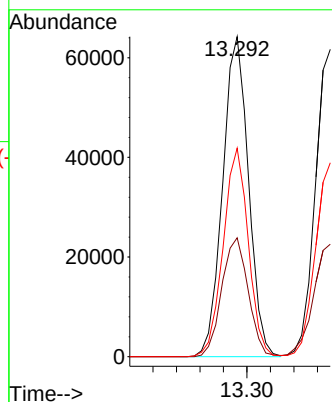
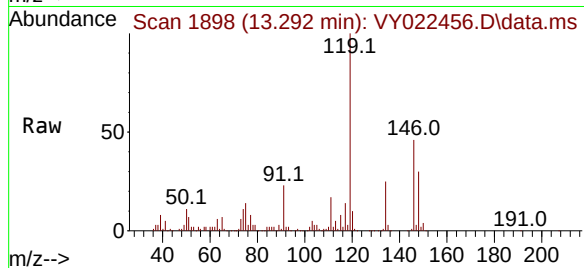
Instrument :

MSVOA_Y

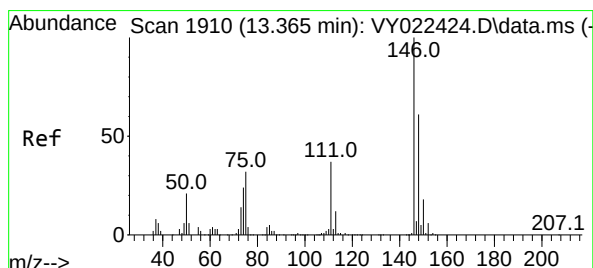
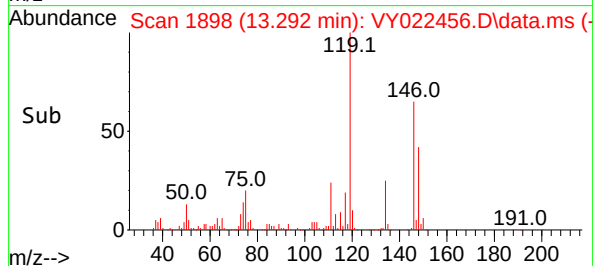
ClientSampleId :

VY0529SBS01

Tgt Ion:146	Resp:	97960
Ion Ratio	Lower	Upper
146	100	
111	38.1	19.6 58.8
148	63.4	31.7 95.1

Manual Integrations
APPROVEDReviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#88

1,4-Dichlorobenzene

Concen: 21.194 ug/l

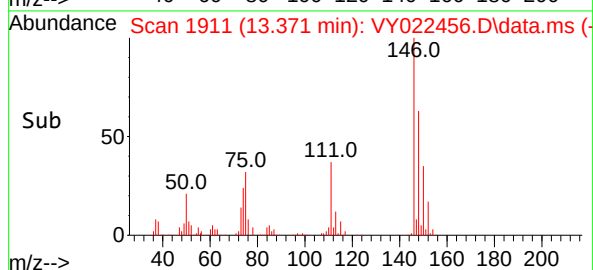
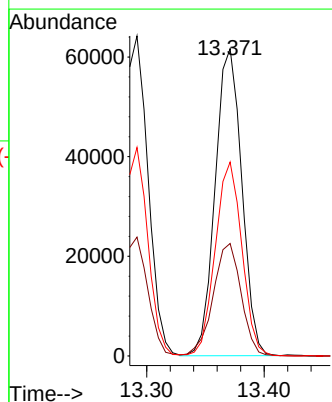
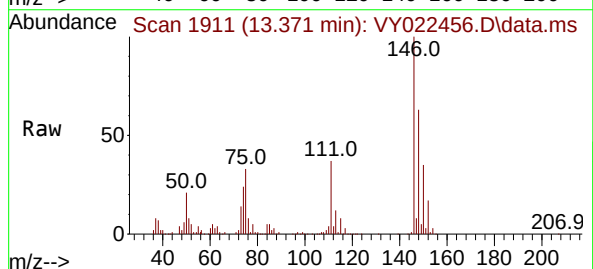
RT: 13.371 min Scan# 1911

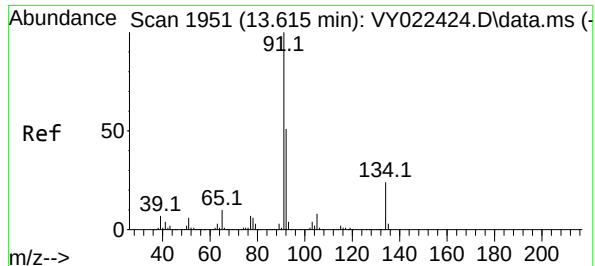
Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Tgt Ion:146	Resp:	97065
Ion Ratio	Lower	Upper
146	100	
111	38.6	18.7 56.1
148	63.4	31.4 94.3





#89

n-Butylbenzene

Concen: 20.785 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0529SBSD01

Tgt Ion: 91 Resp: 188460

Ion Ratio Lower Upper

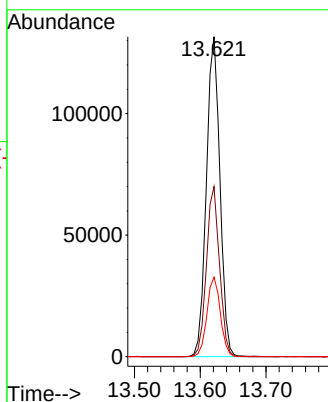
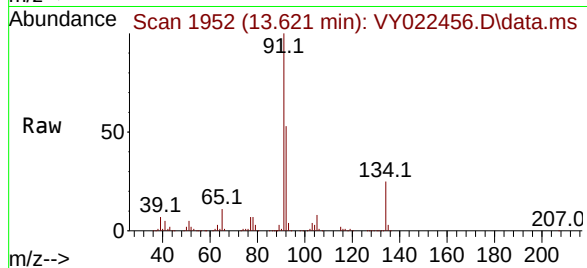
91 100

92 51.5 25.9 77.6

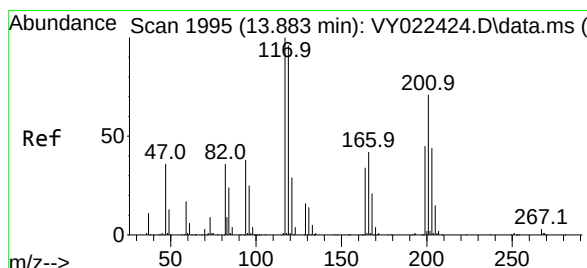
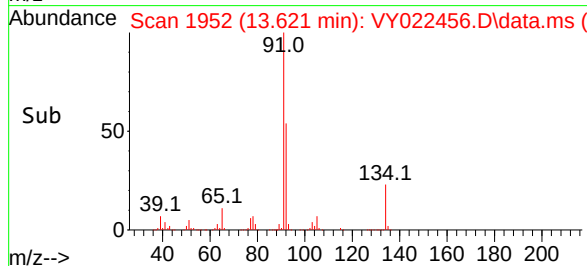
134 24.6 12.4 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#90

Hexachloroethane

Concen: 20.858 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.000 min

Lab File: VY022456.D

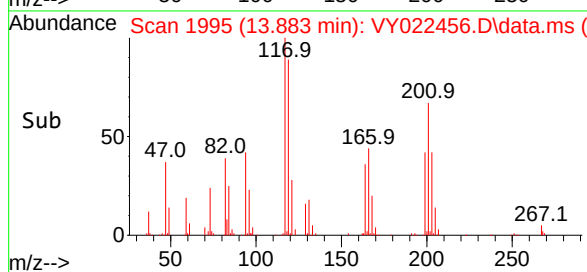
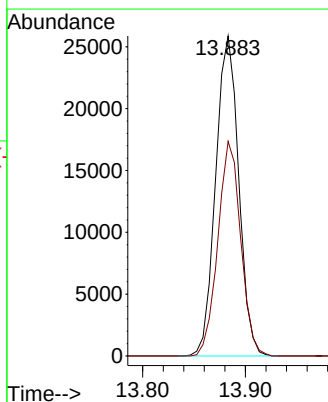
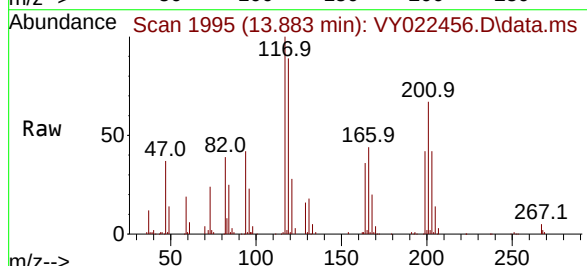
Acq: 29 May 2025 09:50

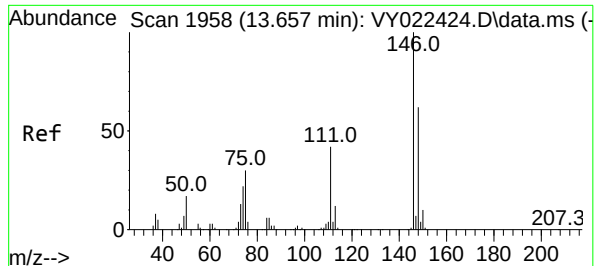
Tgt Ion:117 Resp: 40139

Ion Ratio Lower Upper

117 100

201 66.8 35.0 105.0





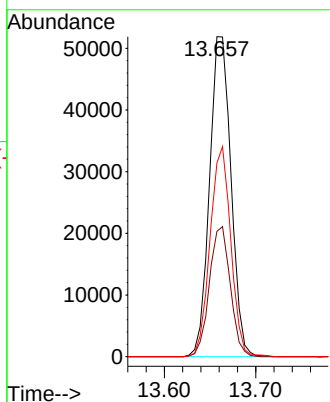
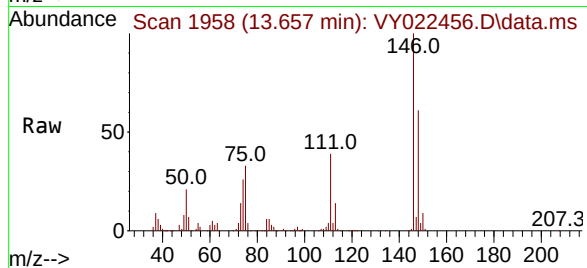
#91
1,2-Dichlorobenzene
Concen: 21.142 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Tgt Ion:146 Resp: 84578
Ion Ratio Lower Upper
146 100
111 39.6 20.5 61.6
148 63.4 31.9 95.9

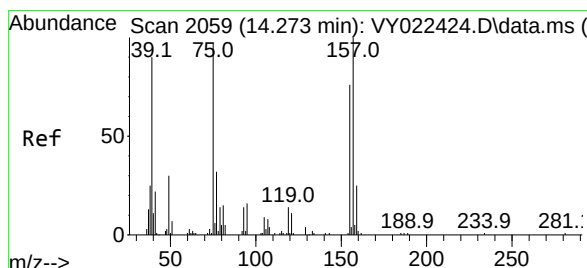
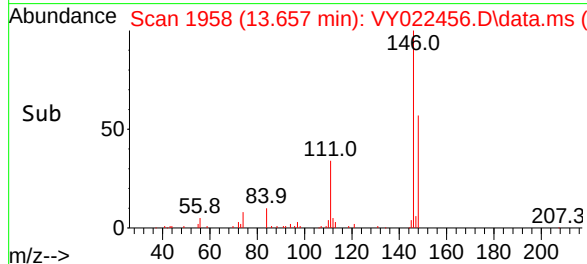
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda



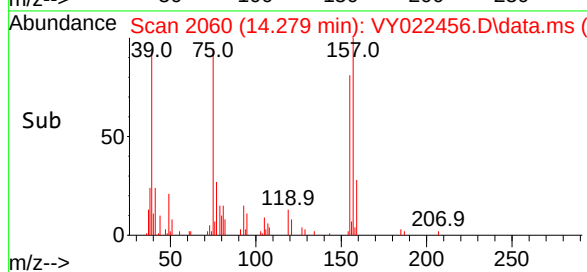
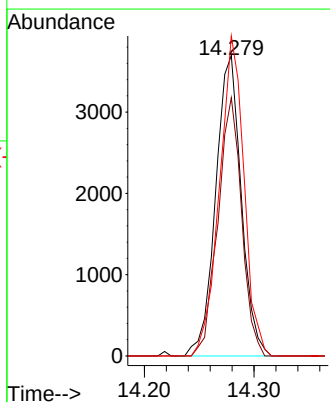
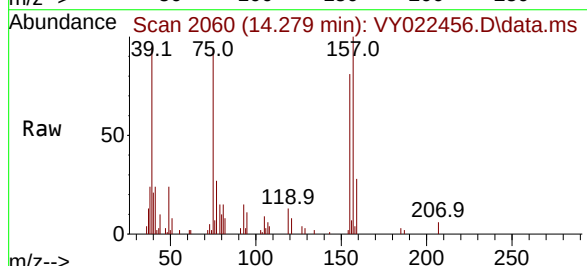
05/30/2025
Supervised By :Semsettin
Yesilyurt

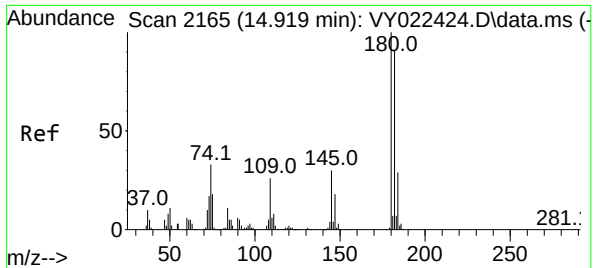
05/30/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 22.291 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022456.D
Acq: 29 May 2025 09:50

Tgt Ion: 75 Resp: 6003
Ion Ratio Lower Upper
75 100
155 79.8 42.3 126.8
157 101.8 54.4 163.3





#93

1,2,4-Trichlorobenzene

Concen: 21.699 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Instrument :

MSVOA_Y

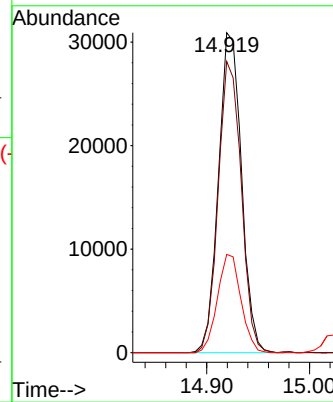
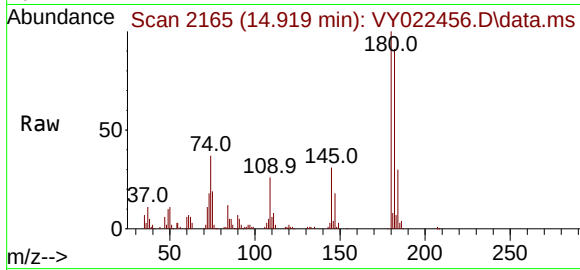
ClientSampleId :

VY0529SBS01

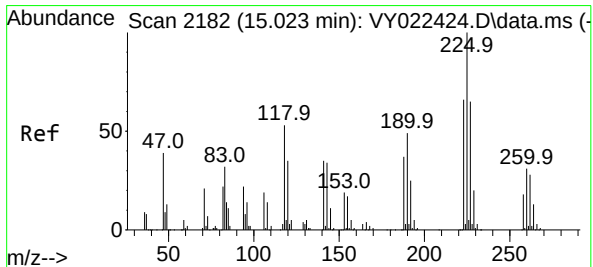
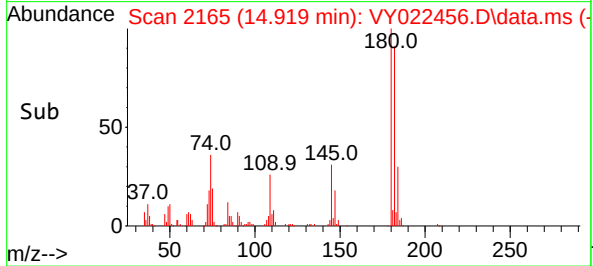
Tgt Ion:180	Resp:	4812	
Ion Ratio	Lower	Upper	
180	100		
182	90.7	46.2	138.6
145	31.3	14.2	42.8

Manual Integrations

APPROVED

Reviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#94

Hexachlorobutadiene

Concen: 21.380 ug/l

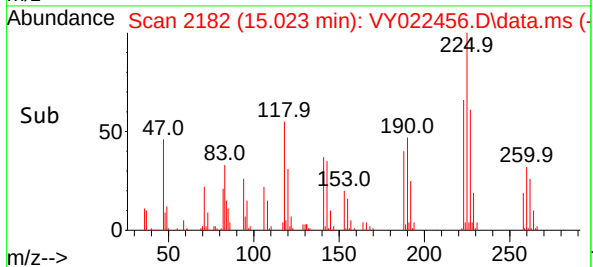
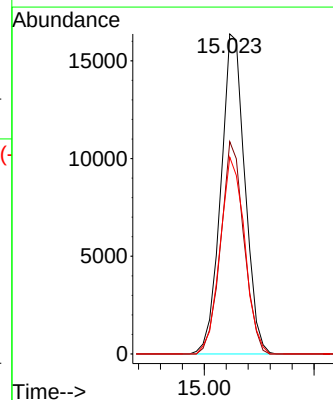
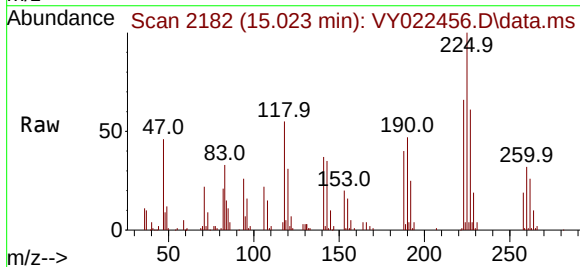
RT: 15.023 min Scan# 2182

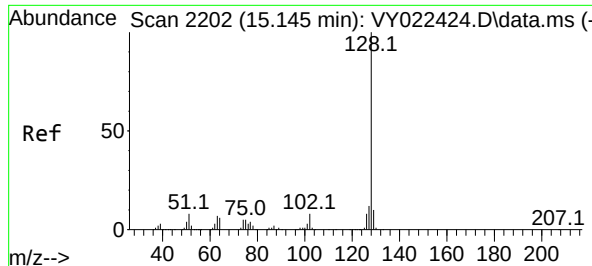
Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Tgt Ion:225	Resp:	24884	
Ion Ratio	Lower	Upper	
225	100		
223	63.9	32.6	97.7
227	62.9	33.0	99.0





#95

Naphthalene

Concen: 22.342 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

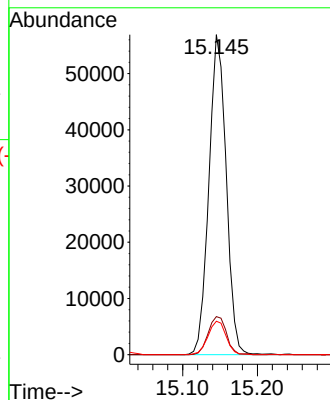
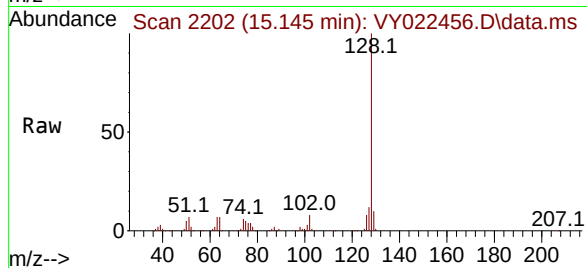
Instrument :

MSVOA_Y

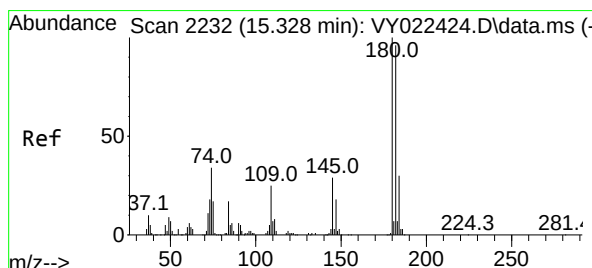
ClientSampleId :

VY0529SBS01

Tgt Ion:128	Resp:	9160
Ion Ratio	Lower	Upper
128	100	
127	12.6	10.2 15.4
129	11.0	8.5 12.7

Manual Integrations
APPROVEDReviewed By :Mahesh
Dadoda05/30/2025
Supervised By :Semsettin
Yesilyurt

05/30/2025



#96

1,2,3-Trichlorobenzene

Concen: 21.968 ug/l

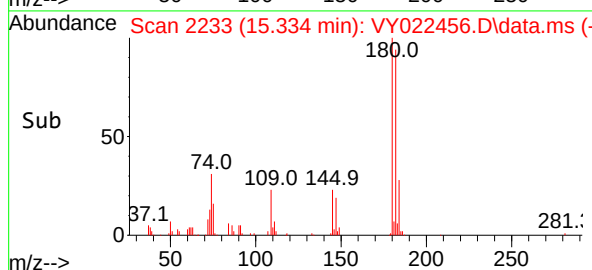
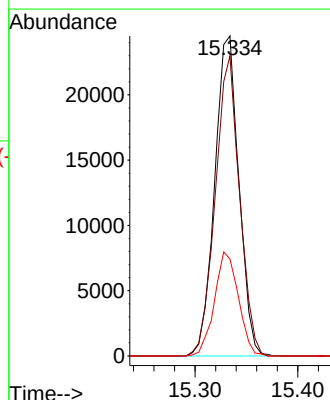
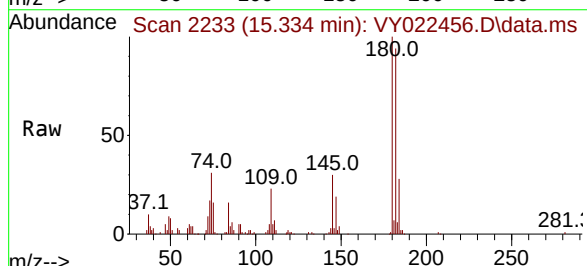
RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY022456.D

Acq: 29 May 2025 09:50

Tgt Ion:180	Resp:	39958
Ion Ratio	Lower	Upper
180	100	
182	94.1	48.1 144.3
145	32.2	14.9 44.5



Manual Integration Report

Sequence:	VY052725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VY022421.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDIC005	VY022421.D	Methacrylonitrile	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDIC005	VY022421.D	Tert butyl alcohol	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDIC010	VY022422.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:43 PM	MMDadoda	5/28/2025 12:56:10 PM	Peak Integrated by Software
VSTDIC010	VY022422.D	Methacrylonitrile	Amit	5/28/2025 12:55:43 PM	MMDadoda	5/28/2025 12:56:10 PM	Peak Integrated by Software
VSTDIC020	VY022423.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:47 PM	MMDadoda	5/28/2025 12:56:14 PM	Peak Integrated by Software
VSTDIC020	VY022423.D	Methacrylonitrile	Amit	5/28/2025 12:55:47 PM	MMDadoda	5/28/2025 12:56:14 PM	Peak Integrated by Software
VSTDICCC050	VY022424.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:51 PM	MMDadoda	5/28/2025 12:56:29 PM	Peak Integrated by Software
VSTDIC100	VY022425.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:55 PM	MMDadoda	5/28/2025 12:56:33 PM	Peak Integrated by Software
VSTDIC150	VY022426.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:59 PM	MMDadoda	5/28/2025 12:56:36 PM	Peak Integrated by Software
VSTDIC150	VY022426.D	Methacrylonitrile	Amit	5/28/2025 12:55:59 PM	MMDadoda	5/28/2025 12:56:36 PM	Peak Integrated by Software
VSTDICV050	VY022428.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:56:03 PM	MMDadoda	5/28/2025 12:56:40 PM	Peak Integrated by Software
VSTDICV050	VY022428.D	Methacrylonitrile	Amit	5/28/2025 12:56:03 PM	MMDadoda	5/28/2025 12:56:40 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VY052725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022438.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:56:20 PM	MMDadoda	5/28/2025 12:56:54 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VY052925

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022453.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:39 PM	Sam	5/30/2025 12:27:00 PM	Peak Integrated by Software
VSTDCCC050	VY022453.D	Methacrylonitrile	MMDadoda	5/30/2025 12:21:39 PM	Sam	5/30/2025 12:27:00 PM	Peak Integrated by Software
VY0529SBS01	VY022455.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:40 PM	Sam	5/30/2025 12:27:01 PM	Peak Integrated by Software
VY0529SBSD0 1	VY022456.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:44 PM	Sam	5/30/2025 12:27:03 PM	Peak Integrated by Software
VSTDCCC050	VY022470.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:50 PM	Sam	5/30/2025 12:27:07 PM	Peak Integrated by Software
VSTDCCC050	VY022470.D	Methacrylonitrile	MMDadoda	5/30/2025 12:21:50 PM	Sam	5/30/2025 12:27:07 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022491.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	1,4-Dioxane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	Ethyl Acetate	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Dibromomethane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Methacrylonitrile	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC020	VY022493.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:00 AM	MMDadoda	6/3/2025 2:38:17 PM	Peak Integrated by Software
VSTDICCC050	VY022494.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:05 AM	MMDadoda	6/3/2025 2:38:19 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	Methacrylonitrile	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC150	VY022496.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:09 AM	MMDadoda	6/3/2025 2:38:22 PM	Peak Integrated by Software
VSTDICV050	VY022498.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:42 AM	MMDadoda	6/3/2025 2:38:25 PM	Peak Integrated by Software
VY0602SBS01	VY022500.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:52 AM	MMDadoda	6/3/2025 2:38:26 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:

vy060225

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022509.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:27:00 AM	MMDadoda	6/3/2025 2:38:29 PM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM		
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP134020			
Initial Calibration Stds		VP134021,VP134022,VP134024,VP134026,VP134028,VP134029			
CCC		VP134031			
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP134030			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022420.D	27 May 2025 08:20	SY/MD	Ok
2	VSTDIC005	VY022421.D	27 May 2025 08:50	SY/MD	Ok,M
3	VSTDIC010	VY022422.D	27 May 2025 09:14	SY/MD	Ok,M
4	VSTDIC020	VY022423.D	27 May 2025 09:36	SY/MD	Ok,M
5	VSTDIC050	VY022424.D	27 May 2025 09:59	SY/MD	Ok,M
6	VSTDIC100	VY022425.D	27 May 2025 10:22	SY/MD	Ok,M
7	VSTDIC150	VY022426.D	27 May 2025 10:44	SY/MD	Ok,M
8	VIBLK	VY022427.D	27 May 2025 11:20	SY/MD	Ok
9	VSTDICV050	VY022428.D	27 May 2025 11:56	SY/MD	Ok,M
10	VY0527SBL01	VY022429.D	27 May 2025 13:12	SY/MD	Ok
11	VY0527SBS01	VY022430.D	27 May 2025 13:35	SY/MD	Ok,M
12	VY0527SBS01	VY022431.D	27 May 2025 13:57	SY/MD	Ok,M
13	Q2118-11RE	VY022432.D	27 May 2025 14:27	SY/MD	Confirms
14	Q2113-01	VY022433.D	27 May 2025 14:51	SY/MD	Not Ok
15	Q2128-03	VY022434.D	27 May 2025 15:14	SY/MD	Ok
16	Q2127-11RE	VY022435.D	27 May 2025 15:38	SY/MD	Confirms
17	Q2130-01	VY022436.D	27 May 2025 16:01	SY/MD	Ok
18	VIBLK	VY022437.D	27 May 2025 16:24	SY/MD	Ok
19	VSTDIC050	VY022438.D	27 May 2025 17:10	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY052925

Review By	Maresh Dadoda	Review On	5/30/2025 12:21:56 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/30/2025 12:28:04 PM		
SubDirectory	VY052925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134049			
CCC		VP134050,VP134051			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022452.D	29 May 2025 07:54	SY/MD	Ok
2	VSTDCCC050	VY022453.D	29 May 2025 08:23	SY/MD	Ok,M
3	VY0529SBL01	VY022454.D	29 May 2025 08:56	SY/MD	Ok
4	VY0529SBS01	VY022455.D	29 May 2025 09:27	SY/MD	Ok,M
5	VY0529SBS01	VY022456.D	29 May 2025 09:50	SY/MD	Ok,M
6	Q2126-03	VY022457.D	29 May 2025 10:53	SY/MD	ReRun
7	Q2126-03	VY022458.D	29 May 2025 11:38	SY/MD	ReRun
8	Q2147-02	VY022459.D	29 May 2025 12:02	SY/MD	Ok
9	Q2150-01	VY022460.D	29 May 2025 12:25	SY/MD	Ok
10	Q2150-02	VY022461.D	29 May 2025 12:49	SY/MD	ReRun
11	Q2150-03	VY022462.D	29 May 2025 13:12	SY/MD	Ok
12	Q2150-04	VY022463.D	29 May 2025 13:36	SY/MD	Ok
13	Q2150-05	VY022464.D	29 May 2025 13:59	SY/MD	ReRun
14	Q2150-06	VY022465.D	29 May 2025 14:22	SY/MD	Ok
15	Q2150-07	VY022466.D	29 May 2025 14:46	SY/MD	Ok
16	Q2150-08	VY022467.D	29 May 2025 15:09	SY/MD	Ok
17	Q2150-09	VY022468.D	29 May 2025 15:33	SY/MD	Ok
18	Q2150-10	VY022469.D	29 May 2025 15:56	SY/MD	Ok
19	VSTDCCC050	VY022470.D	29 May 2025 17:04	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY060225

Review By	Maresh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M
STD. NAME		STD REF.#			
Tune/Reschk		VP134084			
Initial Calibration Stds		VP134085,VP134086,VP134087,VP134088,VP134089,VP134090			
CCC		VP134092,VP134093			
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP134091			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022488.D	02 Jun 2025 08:31	SY/MD	Ok
2	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	SY/MD	Not Ok
3	VY0602SBL01	VY022490.D	02 Jun 2025 10:38	SY/MD	Not Ok
4	VSTDICC005	VY022491.D	02 Jun 2025 11:46	SY/MD	Ok,M
5	VSTDICC010	VY022492.D	02 Jun 2025 12:09	SY/MD	Ok,M
6	VSTDICC020	VY022493.D	02 Jun 2025 12:32	SY/MD	Ok,M
7	VSTDICCC050	VY022494.D	02 Jun 2025 12:54	SY/MD	Ok,M
8	VSTDICC100	VY022495.D	02 Jun 2025 13:17	SY/MD	Ok,M
9	VSTDICC150	VY022496.D	02 Jun 2025 13:39	SY/MD	Ok,M
10	VIBLK	VY022497.D	02 Jun 2025 14:03	SY/MD	Ok
11	VSTDICV050	VY022498.D	02 Jun 2025 14:59	SY/MD	Ok,M
12	VY0602SBL02	VY022499.D	02 Jun 2025 16:00	SY/MD	Ok
13	VY0602SBS01	VY022500.D	02 Jun 2025 16:24	SY/MD	Ok,M
14	VY0602SBS01	VY022501.D	02 Jun 2025 16:47	SY/MD	Ok,M
15	Q2160-02	VY022502.D	02 Jun 2025 17:10	SY/MD	Ok
16	Q2152-01	VY022503.D	02 Jun 2025 17:34	SY/MD	Not Ok
17	Q2153-01RE	VY022504.D	02 Jun 2025 17:57	SY/MD	Confirms
18	Q2147-02	VY022505.D	02 Jun 2025 18:21	SY/MD	Not Ok
19	Q2150-02	VY022506.D	02 Jun 2025 18:44	SY/MD	Ok
20	Q2150-05RE	VY022507.D	02 Jun 2025 19:08	SY/MD	Confirms
21	Q2161-01	VY022508.D	02 Jun 2025 19:31	SY/MD	Not Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M
STD. NAME		STD REF.#			
Tune/Reschk		VP134084			
Initial Calibration Stds		VP134085,VP134086,VP134087,VP134088,VP134089,VP134090			
CCC		VP134092,VP134093			
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP134091			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	VSTDCCC050	VY022509.D	02 Jun 2025 19:54	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y HP Processing Method 82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134020
Initial Calibration Stds	VP134021,VP134022,VP134024,VP134026,VP134028,VP134029
CCC	VP134031
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134030
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022420.D	27 May 2025 08:20		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022421.D	27 May 2025 08:50		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022422.D	27 May 2025 09:14		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022423.D	27 May 2025 09:36		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022424.D	27 May 2025 09:59		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022425.D	27 May 2025 10:22		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022426.D	27 May 2025 10:44		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022427.D	27 May 2025 11:20		SY/MD	Ok
9	VSTDICV050	ICVVY052725	VY022428.D	27 May 2025 11:56		SY/MD	Ok,M
10	VY0527SBL01	VY0527SBL01	VY022429.D	27 May 2025 13:12		SY/MD	Ok
11	VY0527SBS01	VY0527SBS01	VY022430.D	27 May 2025 13:35		SY/MD	Ok,M
12	VY0527SBSD01	VY0527SBSD01	VY022431.D	27 May 2025 13:57		SY/MD	Ok,M
13	Q2118-11RE	BP-VPB-182-GW-500-5	VY022432.D	27 May 2025 14:27	vial-B Surrogate Fail	SY/MD	Confirms
14	Q2113-01	HD-02-05222025	VY022433.D	27 May 2025 14:51	vial-B not purged	SY/MD	Not Ok
15	Q2128-03	TP03-MHM-VOC	VY022434.D	27 May 2025 15:14	vial-A	SY/MD	Ok
16	Q2127-11RE	COMP-2RE	VY022435.D	27 May 2025 15:38	vial-B Internal Standard Fail	SY/MD	Confirms
17	Q2130-01	TP-3	VY022436.D	27 May 2025 16:01	vial-A	SY/MD	Ok
18	VIBLK	VIBLK	VY022437.D	27 May 2025 16:24		SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM		
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134020
Initial Calibration Stds	VP134021,VP134022,VP134024,VP134026,VP134028,VP134029
CCC	VP134031
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134030
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VY022438.D	27 May 2025 17:10		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY052925

Review By	Maresh Dadoda	Review On	5/30/2025 12:21:56 PM
Supervise By	Semsettin Yesilyurt	Supervise On	5/30/2025 12:28:04 PM
SubDirectory	VY052925	HP Acquire Method	MSVOA_Y HP Processing Method 82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134049
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134050,VP134051 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022452.D	29 May 2025 07:54		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022453.D	29 May 2025 08:23	CCAL failed low for comp. #13	SY/MD	Ok,M
3	VY0529SBL01	VY0529SBL01	VY022454.D	29 May 2025 08:56		SY/MD	Ok
4	VY0529SBS01	VY0529SBS01	VY022455.D	29 May 2025 09:27		SY/MD	Ok,M
5	VY0529SBSD01	VY0529SBSD01	VY022456.D	29 May 2025 09:50		SY/MD	Ok,M
6	Q2126-03	MDL-SOIL-03-QT2-202	VY022457.D	29 May 2025 10:53	CCAL failed low	SY/MD	ReRun
7	Q2126-03	MDL-SOIL-03-QT2-202	VY022458.D	29 May 2025 11:38	CCAL failed low	SY/MD	ReRun
8	Q2147-02	VOC	VY022459.D	29 May 2025 12:02	vial-A Internal Standard Fail;	SY/MD	Ok
9	Q2150-01	TP-44	VY022460.D	29 May 2025 12:25	vial-A	SY/MD	Ok
10	Q2150-02	TP-42	VY022461.D	29 May 2025 12:49	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q2150-03	TP-39	VY022462.D	29 May 2025 13:12	vial-A	SY/MD	Ok
12	Q2150-04	TP-48	VY022463.D	29 May 2025 13:36	vial-A	SY/MD	Ok
13	Q2150-05	TP-47	VY022464.D	29 May 2025 13:59	vial-A Internal Standard Fail; Surrogate fail	SY/MD	ReRun
14	Q2150-06	TP-50	VY022465.D	29 May 2025 14:22	vial-A	SY/MD	Ok
15	Q2150-07	TP-51	VY022466.D	29 May 2025 14:46	vial-A	SY/MD	Ok
16	Q2150-08	TP-52	VY022467.D	29 May 2025 15:09	vial-A	SY/MD	Ok
17	Q2150-09	TP-54	VY022468.D	29 May 2025 15:33	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY052925

Review By	Mahesh Dadoda	Review On	5/30/2025 12:21:56 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/30/2025 12:28:04 PM		
SubDirectory	VY052925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134049
CCC	VP134050,VP134051
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2150-10	TP-53	VY022469.D	29 May 2025 15:56	vial-A	SY/MD	Ok
19	VSTDCCC050	VSTDCCC050EC	VY022470.D	29 May 2025 17:04		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022488.D	02 Jun 2025 08:31		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	Need ICAL	SY/MD	Not Ok
3	VY0602SBL01	VY0602SBL01	VY022490.D	02 Jun 2025 10:38		SY/MD	Not Ok
4	VSTDICC005	VSTDICC005	VY022491.D	02 Jun 2025 11:46		SY/MD	Ok,M
5	VSTDICC010	VSTDICC010	VY022492.D	02 Jun 2025 12:09		SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VY022493.D	02 Jun 2025 12:32		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VY022494.D	02 Jun 2025 12:54		SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VY022495.D	02 Jun 2025 13:17		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VY022496.D	02 Jun 2025 13:39		SY/MD	Ok,M
10	VIBLK	VIBLK	VY022497.D	02 Jun 2025 14:03		SY/MD	Ok
11	VSTDICV050	ICVVY060225	VY022498.D	02 Jun 2025 14:59	Icv Fail For DOD For Com.# 18	SY/MD	Ok,M
12	VY0602SBL02	VY0602SBL02	VY022499.D	02 Jun 2025 16:00		SY/MD	Ok
13	VY0602SBS01	VY0602SBS01	VY022500.D	02 Jun 2025 16:24		SY/MD	Ok,M
14	VY0602SBSD01	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47		SY/MD	Ok,M
15	Q2160-02	TP04-MHG-VOC	VY022502.D	02 Jun 2025 17:10	vial A	SY/MD	Ok
16	Q2152-01	OK-02-05292025	VY022503.D	02 Jun 2025 17:34	Not Purged,vial B	SY/MD	Not Ok
17	Q2153-01RE	TR-04-0592025RE	VY022504.D	02 Jun 2025 17:57	Surrogate Fail;Internal Standard Fail, vial B	SY/MD	Confirms

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M
STD. NAME	STD REF.#				
Tune/Reschk	VP134084				
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090				
CCC	VP134092,VP134093				
Internal Standard/PEM	VP133934				
ICV/I.BLK	VP134091				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2147-02	VOC	VY022505.D	02 Jun 2025 18:21	Not purge,vial B	SY/MD	Not Ok
19	Q2150-02	TP-42	VY022506.D	02 Jun 2025 18:44	vial B	SY/MD	Ok
20	Q2150-05RE	TP-47RE	VY022507.D	02 Jun 2025 19:08	Internal Standard Fail,vial B	SY/MD	Confirms
21	Q2161-01	B27-SOIL-SAMPLE	VY022508.D	02 Jun 2025 19:31	vial-B Not purge	SY/MD	Not Ok
22	VSTDCCC050	VSTDCCC050EC	VY022509.D	02 Jun 2025 19:54		SY/MD	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 05/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135945

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
Q2150-01	TP-44	1	1.15	10.30	11.45	9.28	78.9	
Q2150-02	TP-42	2	1.13	10.45	11.58	10.14	86.2	
Q2150-03	TP-39	3	1.14	10.46	11.6	9.89	83.7	
Q2150-04	TP-48	4	1.18	10.44	11.62	9.6	80.7	
Q2150-05	TP-47	5	1.17	10.18	11.35	9.42	81.0	
Q2150-06	TP-50	6	1.18	10.70	11.88	10.38	86.0	
Q2150-07	TP-51	7	1.17	10.74	11.91	10.16	83.7	
Q2150-08	TP-52	8	1.16	10.61	11.77	10.25	85.7	
Q2150-09	TP-54	9	1.16	10.50	11.66	9.94	83.6	
Q2150-10	TP-53	10	1.12	10.56	11.68	10.13	85.3	
Q2151-01	WC-1	11	1.15	10.02	11.17	9.71	85.4	
Q2151-02	WC-1-EPH	12	1.17	10.23	11.4	9.99	86.2	
Q2151-03	WC-1-VOC	13	1.19	10.41	11.6	9.98	84.4	
Q2152-01	OK-02-05292025	31	1.18	10.25	11.43	10.2	88.0	
Q2152-02	OK-02-05292025-E2	32	1.13	10.47	11.6	10.54	89.9	
Q2153-01	TR-04-0592025	33	1.15	10.40	11.55	10.54	90.3	
Q2153-02	TR-04-0592025-E2	34	1.17	10.39	11.56	10.6	90.8	
Q2154-01	BC271336-1-1	14	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-02	BC271336-1-2	15	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-03	BC271336-2-1	16	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-04	BC271336-2-2	17	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-05	BC278406-1-1	18	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-06	BC278406-1-2	19	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-07	BC278406-2-1	20	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-08	BC278406-2-2	21	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-09	BC22682C-1-1	22	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-10	BC22682C-1-2	23	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-11	GHA409H-1-1	24	1.00	1.00	2.00	2.00	100.0	oilc



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 05/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135945

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
Q2154-12	GHA409H-1-2	25	1.00	1.00	2.00	2.00	100.0	oilc
Q2155-01	446	26	1.18	10.02	11.2	10.42	92.2	
Q2155-02	447-SOLID	27	1.13	10.35	11.48	6.13	48.3	
Q2156-01	KZZ331H-1-1	28	1.00	1.00	2.00	2.00	100.0	oilc
Q2156-02	KZZ331H-1-2	29	1.00	1.00	2.00	2.00	100.0	oilc
Q2157-01	291	30	1.00	1.00	2.00	2.00	100.0	debris

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

W 135945

WorkList Name : %1-052925

WorkList ID : 189801

Department : Wet-Chemistry

Date : 05-29-2025 08:14:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2150-01	TP-44	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-02	TP-42	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-03	TP-39	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-04	TP-48	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-05	TP-47	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-06	TP-50	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-07	TP-51	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-08	TP-52	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-09	TP-54	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2150-10	TP-53	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2151-01	WC-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2151-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2151-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2152-01	OK-02-05292025	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2152-02	OK-02-05292025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L21	05/29/2025	Chemtech -SO
Q2153-01	TR-04-0592025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L21	05/29/2025	Chemtech -SO
Q2153-02	TR-04-0592025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/29/2025	Chemtech -SO
Q2154-01	BC271336-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/29/2025	Chemtech -SO
Q2154-02	BC271336-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-03	BC271336-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-04	BC271336-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO

Date/Time 05/29/25 16:15

Raw Sample Received by: R CWC1

Raw Sample Relinquished by: R.C. (Sm)

Date/Time 05/29/25

Raw Sample Received by: R.C. (Sm)

Raw Sample Relinquished by: R.C. (Sm)

WORKLIST(Hardcopy Internal Chain)

135945

WorkList Name : %1-052925

WorkList ID : 189801

Department : Wet-Chemistry

Date : 05-29-2025 08:14:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2154-05	BC278406-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-06	BC278406-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-07	BC278406-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-08	BC278406-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-09	BC22682C-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-10	BC22682C-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-11	GHA409H-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-12	GHA409H-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2155-01	446	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2155-02	447-SOLID	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2156-01	KZZ331H-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2156-02	KZZ331H-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2157-01	291	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO

Date/Time 05/29/25 16:15
 Raw Sample Received by: EWG
 Raw Sample Relinquished by: L.C. (son)

Date/Time 05/29/25 17:30
 Raw Sample Received by: L.C. (son)
 Raw Sample Relinquished by: SC (son)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM SMITH
ADDRESS: 110 FIELDREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPAIRMENT
PROJECT NO. 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINAS.MA@CDMSMITH.COM
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 732-590-4679

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. TCL VOC 2. TCL SVOC 3. METALS 4. PCB 5. PESTICIDE 6. HERBICIDE 7. DRO/GRO 8. 9.

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	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	TP-44	SOIL		X	5/27/25	0820	6	X	X	X	X	X	X	X			E	
2.	TP-42	SOIL		X	5/27/25	0915	6	X	X	X	X	X	X	X			E	
3.	TP-39	SOIL		X	5/27/25	0950	6	X	X	X	X	X	X	X			E	
4.	TP-48	SOIL		X	5/27/25	1220	6	X	X	X	X	X	X	X			E	
5.	TP-47	SOIL		X	5/27/25	1120	6	X	X	X	X	X	X	X			E	
6.	TP-50	SOIL		X	5/27/25	1330	6	X	X	X	X	X	X	X			E	
7.	TP-51	SOIL		X	5/27/25	1505	6	X	X	X	X	X	X	X			E	
8.	TP-52	SOIL		X	5/28/25	0850	6	X	X	X	X	X	X	X			E	
9.	TP-54	SOIL		X	5/28/25	1145	6	X	X	X	X	X	X	X			E	
10.	TP-53	SOIL		X	5/28/25	1425	6	X	X	X	X	X	X	X			F	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>5/28/25 1350</u>	RECEIVED BY: 1. <u>[Signature]</u> <u>1550</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.5</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	Comments:
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>1645</u> <u>5-28-25</u>	RECEIVED BY: 3. <u>[Signature]</u>	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 : Q2150	CAMP02	Order Date : 5/28/2025 3:53:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/28/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 18:45	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2150-01	TP-44	Solid	05/27/2025	08:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-02	TP-42	Solid	05/27/2025	09:15	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-03	TP-39	Solid	05/27/2025	09:50	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-04	TP-48	Solid	05/27/2025	12:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-05	TP-47	Solid	05/27/2025	11:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-06	TP-50	Solid	05/27/2025	13:30	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-07	TP-51	Solid	05/27/2025	15:05	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-08	TP-52	Solid	05/28/2025	08:50					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2150	CAMP02	Order Date : 5/28/2025 3:53:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/28/2025 ~~12:00:00~~ AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 16:45	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2150-09	TP-54	Solid	05/28/2025	11:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-10	TP-53	Solid	05/28/2025	14:25	VOC-TCLVOA-10		8260D		10 Bus. Days
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By :

Date / Time :

AN
5/29/25 0950

Received By :

Date / Time :

Scen
05/29/25 0950 Ng # 6
fs 2

Storage Area : VOA Refridgerator Room