

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

LAB CHRONICLE

OrderID:	Q2176	OrderDate:	5/30/2025 4:04:00 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
Q2176-01	TP-46	SOIL	VOC-TCLVOA-10	8260D	05/28/25		06/03/25	05/30/25
Q2176-02	TP-56	SOIL	VOC-TCLVOA-10	8260D	05/29/25		06/03/25	05/30/25
Q2176-03	TP-25	SOIL	VOC-TCLVOA-10	8260D	05/29/25		06/03/25	05/30/25
Q2176-04	TP-26	SOIL	VOC-TCLVOA-10	8260D	05/29/25		06/03/25	05/30/25
Q2176-05	TP-28	SOIL	VOC-TCLVOA-10	8260D	05/29/25		06/03/25	05/30/25
Q2176-06	TP-27	SOIL	VOC-TCLVOA-10	8260D	05/29/25		06/03/25	05/30/25
Q2176-07	TP-31	SOIL	VOC-TCLVOA-10	8260D	05/29/25		06/03/25	05/30/25
Q2176-08	TP-65	SOIL	VOC-TCLVOA-10	8260D	05/30/25		06/03/25	05/30/25

Hit Summary Sheet
SW-846

SDG No.: Q2176

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	TP-26							
Q2176-04	TP-26	SOIL	Acetone	12.0	J	3.70	19.4	ug/Kg
Q2176-04	TP-26	SOIL	Methylene Chloride	2.70	J	2.70	7.70	ug/Kg
			Total Voc :			14.7		
Q2176-04	TP-26	SOIL	1,3,5-Trimethylbenzene	* 1.30	J	0.63	3.90	ug/Kg
Q2176-04	TP-26	SOIL	1,2,4-Trimethylbenzene	* 0.86	J	0.50	3.90	ug/Kg
			Total Tics :			2.16		
			Total Concentration:			16.9		
Client ID:	TP-31							
Q2176-07	TP-31	SOIL	Methylene Chloride	4.60	J	3.70	10.5	ug/Kg
			Total Voc :			4.60		
			Total Concentration:			4.60		



QC SUMMARY

Surrogate Summary

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2176-01	TP-46	1,2-Dichloroethane-d4	50	51.8	104	63	155
		Dibromofluoromethane	50	50.1	100	70	134
		Toluene-d8	50	49.5	99	74	123
		4-Bromofluorobenzene	50	43.1	86	17	146
Q2176-02	TP-56	1,2-Dichloroethane-d4	50	49.5	99	63	155
		Dibromofluoromethane	50	50.7	101	70	134
		Toluene-d8	50	49.2	98	74	123
		4-Bromofluorobenzene	50	40.3	81	17	146
Q2176-03	TP-25	1,2-Dichloroethane-d4	50	43.9	88	63	155
		Dibromofluoromethane	50	48.1	96	70	134
		Toluene-d8	50	49.4	99	74	123
		4-Bromofluorobenzene	50	39.2	78	17	146
Q2176-04	TP-26	1,2-Dichloroethane-d4	50	49.8	100	63	155
		Dibromofluoromethane	50	46.7	93	70	134
		Toluene-d8	50	49.7	99	74	123
		4-Bromofluorobenzene	50	43.1	86	17	146
Q2176-05	TP-28	1,2-Dichloroethane-d4	50	45.8	91	63	155
		Dibromofluoromethane	50	48.8	98	70	134
		Toluene-d8	50	49.9	100	74	123
		4-Bromofluorobenzene	50	40.8	82	17	146
Q2176-06	TP-27	1,2-Dichloroethane-d4	50	50.3	101	63	155
		Dibromofluoromethane	50	50.6	101	70	134
		Toluene-d8	50	49.8	100	74	123
		4-Bromofluorobenzene	50	42.1	84	17	146
Q2176-07	TP-31	1,2-Dichloroethane-d4	50	52.0	104	63	155
		Dibromofluoromethane	50	50.9	102	70	134
		Toluene-d8	50	49.7	99	74	123
		4-Bromofluorobenzene	50	41.4	83	17	146
Q2176-08	TP-65	1,2-Dichloroethane-d4	50	44.4	89	63	155
		Dibromofluoromethane	50	47.9	96	70	134
		Toluene-d8	50	49.6	99	74	123
		4-Bromofluorobenzene	50	38.2	76	17	146
VY0603SBL01	VY0603SBL01	1,2-Dichloroethane-d4	50	53.5	107	63	155
		Dibromofluoromethane	50	50.9	102	70	134
		Toluene-d8	50	49.9	100	74	123
		4-Bromofluorobenzene	50	42.0	84	17	146
VY0603SBS01	VY0603SBS01	1,2-Dichloroethane-d4	50	50.0	100	63	155
		Dibromofluoromethane	50	51.0	102	70	134
		Toluene-d8	50	51.5	103	74	123
		4-Bromofluorobenzene	50	49.0	98	17	146
VY0603SBSD01	VY0603SBSD01	1,2-Dichloroethane-d4	50	50.7	101	63	155
		Dibromofluoromethane	50	51.5	103	70	134
		Toluene-d8	50	52.6	105	74	123
		4-Bromofluorobenzene	50	50.1	100	17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022513.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0603SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			64	136	
	Chloromethane	20	18.4	ug/Kg	92			52	151	
	Vinyl chloride	20	20.8	ug/Kg	104			56	148	
	Bromomethane	20	20.2	ug/Kg	101			58	141	
	Chloroethane	20	21.3	ug/Kg	106			69	130	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			79	121	
	Acetone	100	140	ug/Kg	140			40	171	
	Carbon disulfide	20	20.8	ug/Kg	104			59	130	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			77	129	
	Methyl Acetate	20	20.6	ug/Kg	103			69	149	
	Methylene Chloride	20	18.5	ug/Kg	93			72	131	
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			82	123	
	Cyclohexane	20	20.2	ug/Kg	101			76	122	
	2-Butanone	100	120	ug/Kg	120			69	131	
	Carbon Tetrachloride	20	20.2	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	21.3	ug/Kg	106			80	127	
	Chloroform	20	21.1	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			80	126	
	Methylcyclohexane	20	19.8	ug/Kg	99			77	123	
	Benzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	21.3	ug/Kg	106			83	122	
	1,2-Dichloropropane	20	20.9	ug/Kg	104			83	122	
	Bromodichloromethane	20	20.8	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	96.0	ug/Kg	96			70	135	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			78	124	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			81	122	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	19.8	ug/Kg	99			79	125	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			80	125	
	Tetrachloroethene	20	21.2	ug/Kg	106			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	20.3	ug/Kg	102			82	124	
	m/p-Xylenes	40	40.2	ug/Kg	101			83	124	
	o-Xylene	20	20.0	ug/Kg	100			83	123	
	Styrene	20	19.9	ug/Kg	100			82	124	
	Bromoform	20	18.6	ug/Kg	93			75	127	
	Isopropylbenzene	20	20.1	ug/Kg	101			82	124	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93			77	127	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			83	122	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			84	121	
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022513.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0603SBS01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/Kg	95			66	134	
	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94			78	127	
	1,2,3-Trichlorobenzene	20	19.4	ug/Kg	97			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0603SBSD01	Dichlorodifluoromethane	20	22.4	ug/Kg	112	1		64	136	20
	Chloromethane	20	22.2	ug/Kg	111	19		52	151	20
	Vinyl chloride	20	22.2	ug/Kg	111	7		56	148	20
	Bromomethane	20	21.2	ug/Kg	106	5		58	141	20
	Chloroethane	20	21.6	ug/Kg	108	2		69	130	20
	Trichlorofluoromethane	20	21.2	ug/Kg	106	5		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101	5		81	123	20
	1,1-Dichloroethene	20	21.7	ug/Kg	109	3		79	121	20
	Acetone	100	120	ug/Kg	120	15		40	171	20
	Carbon disulfide	20	21.3	ug/Kg	106	2		59	130	20
	Methyl tert-butyl Ether	20	20.5	ug/Kg	103	1		77	129	20
	Methyl Acetate	20	19.5	ug/Kg	98	5		69	149	20
	Methylene Chloride	20	19.3	ug/Kg	97	4		72	131	20
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104	1		80	123	20
	1,1-Dichloroethane	20	21.1	ug/Kg	106	0		82	123	20
	Cyclohexane	20	19.7	ug/Kg	99	2		76	122	20
	2-Butanone	100	110	ug/Kg	110	9		69	131	20
	Carbon Tetrachloride	20	20.9	ug/Kg	104	3		76	129	20
	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	4		82	123	20
	Bromochloromethane	20	20.8	ug/Kg	104	2		80	127	20
	Chloroform	20	21.6	ug/Kg	108	2		82	125	20
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106	0		80	126	20
	Methylcyclohexane	20	20.3	ug/Kg	102	3		77	123	20
	Benzene	20	21.0	ug/Kg	105	1		84	121	20
	1,2-Dichloroethane	20	21.0	ug/Kg	105	3		81	126	20
	Trichloroethene	20	21.5	ug/Kg	108	2		83	122	20
	1,2-Dichloropropane	20	20.7	ug/Kg	104	0		83	122	20
	Bromodichloromethane	20	21.0	ug/Kg	105	1		82	123	20
	4-Methyl-2-Pentanone	100	96.9	ug/Kg	97	1		70	135	20
	Toluene	20	20.5	ug/Kg	103	2		83	122	20
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	1		78	124	20
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	0		81	122	20
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103	2		82	125	20
	2-Hexanone	100	98.4	ug/Kg	98	12		66	138	20
	Dibromochloromethane	20	20.2	ug/Kg	101	2		79	125	20
	1,2-Dibromoethane	20	20.0	ug/Kg	100	1		80	125	20
	Tetrachloroethene	20	21.3	ug/Kg	106	0		83	125	20
	Chlorobenzene	20	21.1	ug/Kg	106	4		84	122	20
	Ethyl Benzene	20	20.8	ug/Kg	104	2		82	124	20
	m/p-Xylenes	40	41.3	ug/Kg	103	2		83	124	20
	o-Xylene	20	20.7	ug/Kg	104	4		83	123	20
	Styrene	20	20.6	ug/Kg	103	3		82	124	20
	Bromoform	20	19.9	ug/Kg	100	7		75	127	20
	Isopropylbenzene	20	21.1	ug/Kg	106	5		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100	7		77	127	20
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103	6		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	4		84	121	20
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	5		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8260D

Datafile : VY022514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0603SBSD01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97	2		66	134	20
	1,2,4-Trichlorobenzene	20	20.9	ug/Kg	104	10		78	127	20
	1,2,3-Trichlorobenzene	20	20.3	ug/Kg	102	5		70	137	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0603SBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176

SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: VY022512.D

Lab Sample ID: VY0603SBL01

Date Analyzed: 06/03/2025

Time Analyzed: 10:40

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
VY0603SBS01	VY0603SBS01	VY022513.D	06/03/2025
VY0603SBSD01	VY0603SBSD01	VY022514.D	06/03/2025
TP-46	Q2176-01	VY022526.D	06/03/2025
TP-56	Q2176-02	VY022527.D	06/03/2025
TP-25	Q2176-03	VY022528.D	06/03/2025
TP-26	Q2176-04	VY022529.D	06/03/2025
TP-28	Q2176-05	VY022530.D	06/03/2025
TP-27	Q2176-06	VY022531.D	06/03/2025
TP-31	Q2176-07	VY022532.D	06/03/2025
TP-65	Q2176-08	VY022533.D	06/03/2025

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176
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



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176
Lab File ID: VY022510.D BFB Injection Date: 06/03/2025
Instrument ID: MSVOA_Y BFB Injection Time: 09:03
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	26
75	30.0 - 60.0% of mass 95	59.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	82.6
175	5.0 - 9.0% of mass 174	6.2 (7.6) 1
176	95.0 - 101.0% of mass 174	79.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5 (6.3) 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	VY022511.D	06/03/2025	10:03
VY0603SBL01	VY0603SBL01	VY022512.D	06/03/2025	10:40
VY0603SBS01	VY0603SBS01	VY022513.D	06/03/2025	11:15
VY0603SBSD01	VY0603SBSD01	VY022514.D	06/03/2025	11:38
TP-46	Q2176-01	VY022526.D	06/03/2025	16:35
TP-56	Q2176-02	VY022527.D	06/03/2025	16:58
TP-25	Q2176-03	VY022528.D	06/03/2025	17:22
TP-26	Q2176-04	VY022529.D	06/03/2025	17:45
TP-28	Q2176-05	VY022530.D	06/03/2025	18:09
TP-27	Q2176-06	VY022531.D	06/03/2025	18:32
TP-31	Q2176-07	VY022532.D	06/03/2025	18:56
TP-65	Q2176-08	VY022533.D	06/03/2025	19:19

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176
Lab File ID: VY022511.D Date Analyzed: 06/03/2025
Instrument ID: MSVOA_Y Time Analyzed: 10:03
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	187797	7.71	325302	8.62	276655	11.42
UPPER LIMIT	375594	8.213	650604	9.115	553310	11.92
LOWER LIMIT	93898.5	7.213	162651	8.115	138328	10.92
EPA SAMPLE NO.						
TP-46	268876	7.71	504814	8.61	411331	11.41
TP-56	259331	7.71	475112	8.61	372480	11.41
TP-25	277698	7.71	501520	8.61	388135	11.41
TP-26	245298	7.71	450434	8.61	364784	11.41
TP-28	287774	7.71	510573	8.61	400841	11.41
TP-27	244909	7.71	453751	8.61	362219	11.41
TP-31	242608	7.71	461777	8.61	369180	11.41
TP-65	268630	7.71	484998	8.61	368793	11.41
VY0603SBL01	287398	7.71	534399	8.62	428748	11.42
VY0603SBS01	197612	7.71	337632	8.62	284268	11.42
VY0603SBSD01	196295	7.71	333757	8.62	277257	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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176
 Lab File ID: VY022511.D Date Analyzed: 06/03/2025
 Instrument ID: MSVOA_Y Time Analyzed: 10:03
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	130385	13.346				
UPPER LIMIT	260770	13.846				
LOWER LIMIT	65192.5	12.846				
EPA SAMPLE NO.						
TP-46	154553	13.35				
TP-56	129377	13.35				
TP-25	133596	13.35				
TP-26	132285	13.34				
TP-28	141621	13.35				
TP-27	131513	13.35				
TP-31	131849	13.35				
TP-65	123634	13.35				
VY0603SBL01	155262	13.35				
VY0603SBS01	131961	13.35				
VY0603SBSD01	127082	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:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.12 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
VY022526.D	1		06/03/25 16:35	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.96	U	0.96	4.20	ug/Kg
74-87-3	Chloromethane	0.96	U	0.96	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.20	ug/Kg
74-83-9	Bromomethane	0.90	U	0.90	4.20	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	4.20	ug/Kg
67-64-1	Acetone	4.00	U	4.00	21.0	ug/Kg
75-15-0	Carbon Disulfide	0.89	U	0.89	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.20	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.20	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.67	U	0.67	4.20	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.20	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	21.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.63	U	0.63	4.20	ug/Kg
74-97-5	Bromochloromethane	0.96	U	0.96	4.20	ug/Kg
67-66-3	Chloroform	0.70	U	0.70	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.20	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	4.20	ug/Kg
79-01-6	Trichloroethene	0.68	U	0.68	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	21.0	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.20	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.12 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
VY022526.D	1		06/03/25 16:35	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.55	U	0.55	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.77	U	0.77	4.20	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	21.0	ug/Kg
124-48-1	Dibromochloromethane	0.73	U	0.73	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.74	U	0.74	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	4.20	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.40	ug/Kg
95-47-6	o-Xylene	0.69	U	0.69	4.20	ug/Kg
100-42-5	Styrene	0.60	U	0.60	4.20	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.1		17 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	269000	7.707			
540-36-3	1,4-Difluorobenzene	505000	8.609			
3114-55-4	Chlorobenzene-d5	411000	11.413			
3855-82-1	1,4-Dichlorobenzene-d4	155000	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:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.12	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
VY022526.D	1		06/03/25 16:35	VY060325

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\VY060325\
 Data File : VY022526.D
 Acq On : 03 Jun 2025 16:35
 Operator : SY/MD
 Sample : Q2176-01
 Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-46

Quant Time: Jun 04 04:15:02 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	268876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	504814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	411331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154553	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	155741	51.789	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.580%
35) Dibromofluoromethane	7.634	113	151120	50.154	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.300%
50) Toluene-d8	10.103	98	603269	49.550	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.401	95	156250	43.073	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.140%

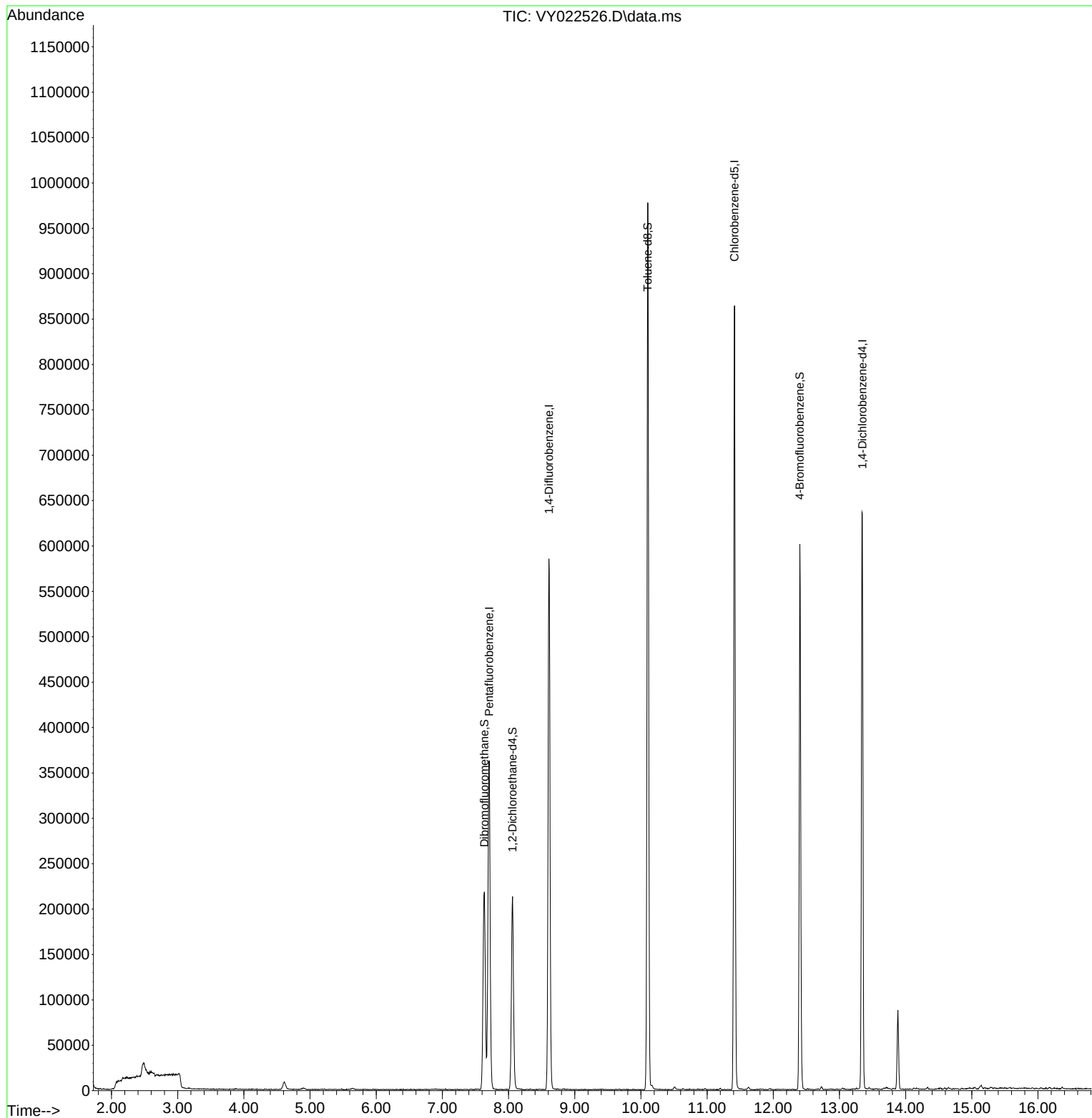
Target Compounds	Qvalue

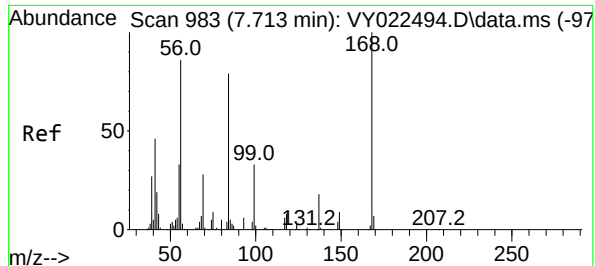
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022526.D
Acq On : 03 Jun 2025 16:35
Operator : SY/MD
Sample : Q2176-01
Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

Quant Time: Jun 04 04:15:02 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

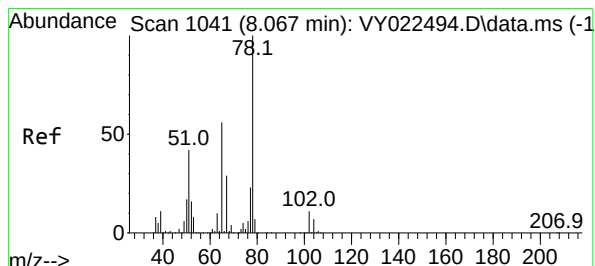
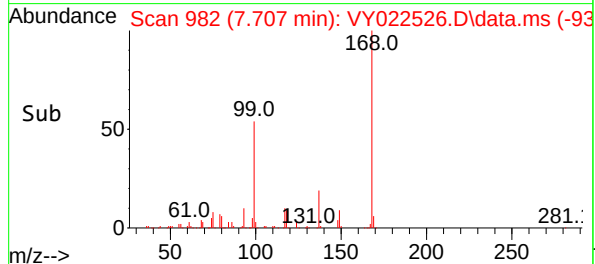
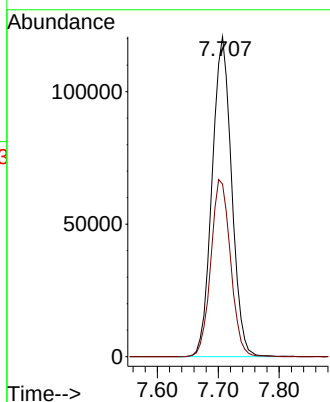
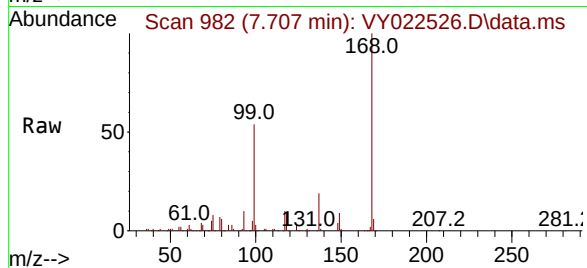




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

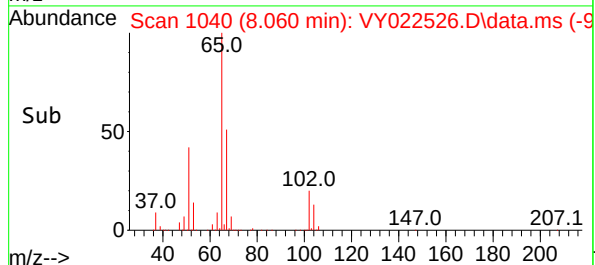
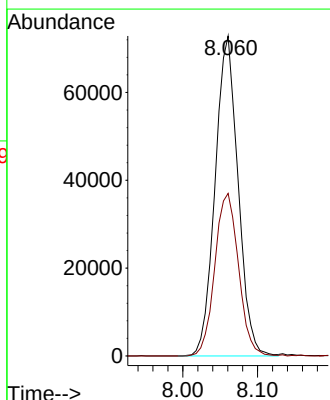
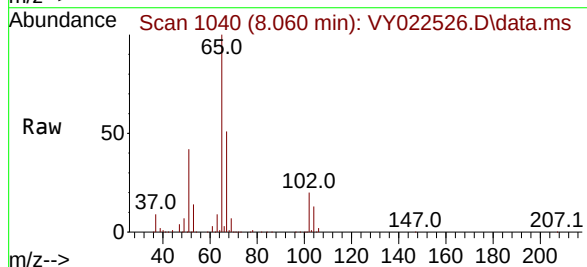
Instrument :
MSVOA_Y
ClientSampleId :
TP-46

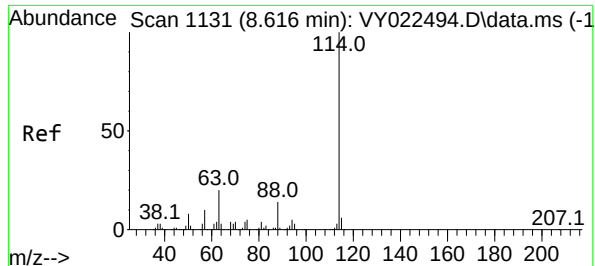
Tgt Ion:168 Resp: 268876
Ion Ratio Lower Upper
168 100
99 54.0 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 51.789 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion: 65 Resp: 155741
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.007 min

Lab File: VY022526.D

Acq: 03 Jun 2025 16:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-46

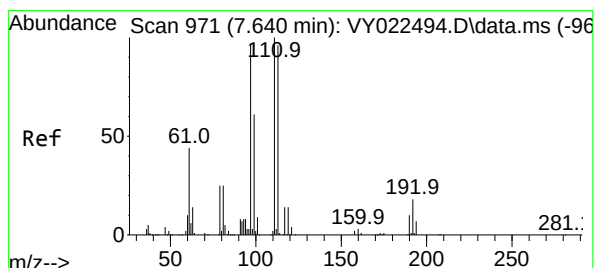
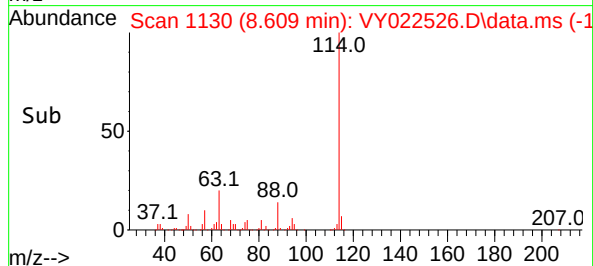
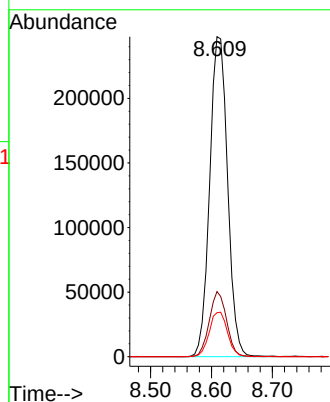
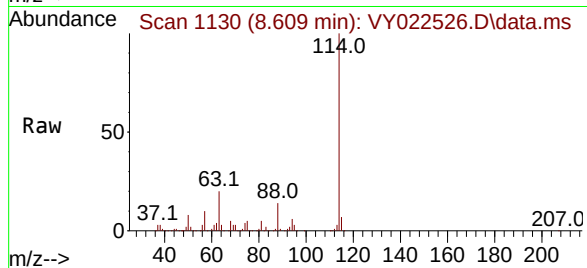
Tgt Ion:114 Resp: 504814

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 13.8 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.154 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.007 min

Lab File: VY022526.D

Acq: 03 Jun 2025 16:35

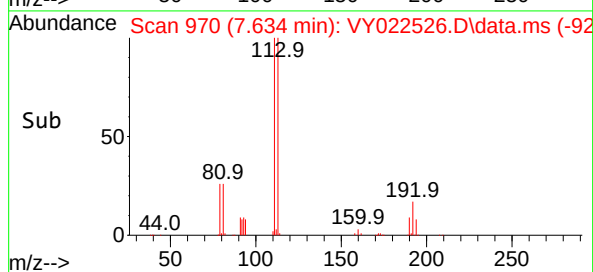
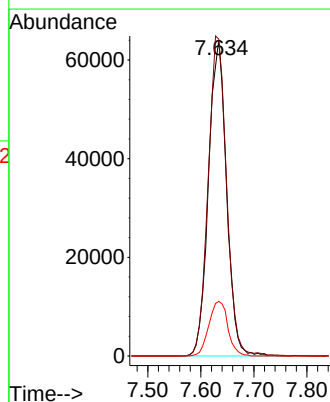
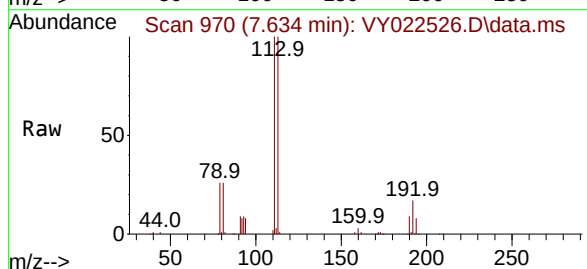
Tgt Ion:113 Resp: 151120

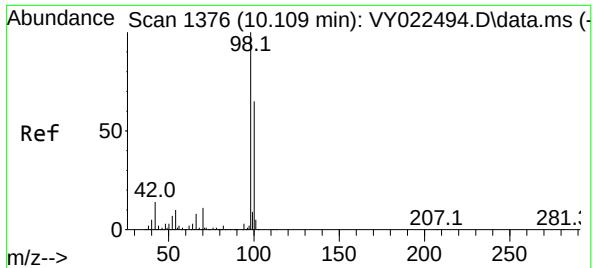
Ion Ratio Lower Upper

113 100

111 103.8 81.1 121.7

192 18.2 14.2 21.2

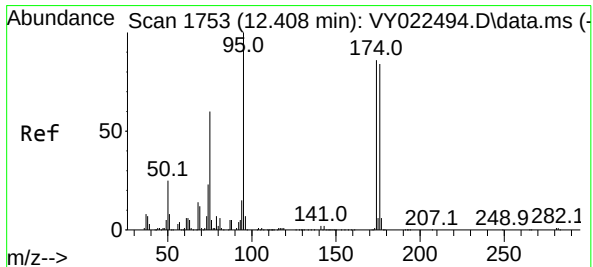
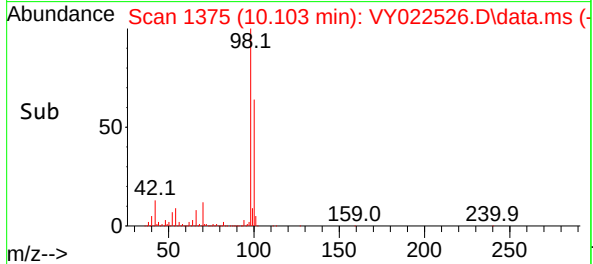
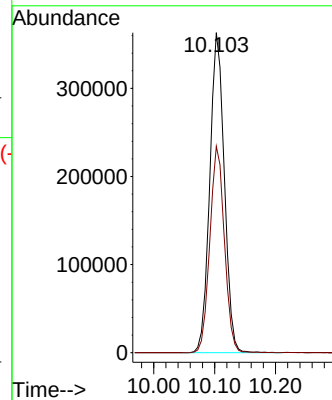
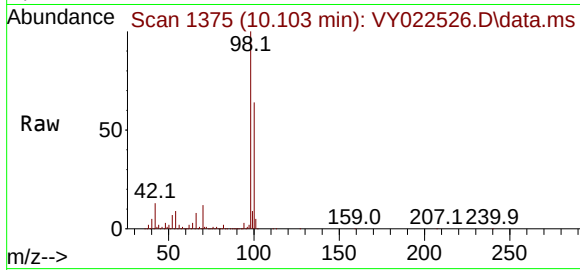




#50
Toluene-d8
Concen: 49.550 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

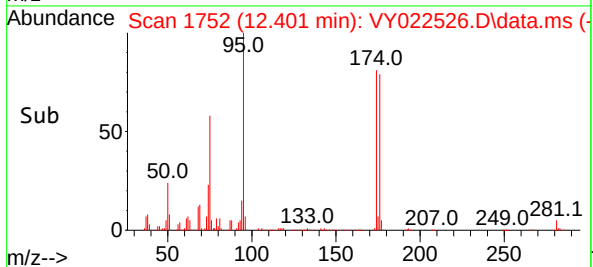
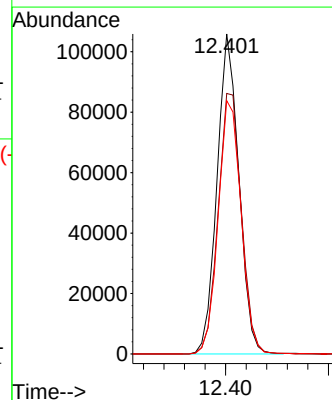
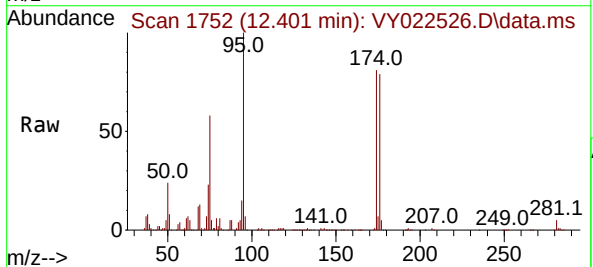
Instrument :
MSVOA_Y
ClientSampleId :
TP-46

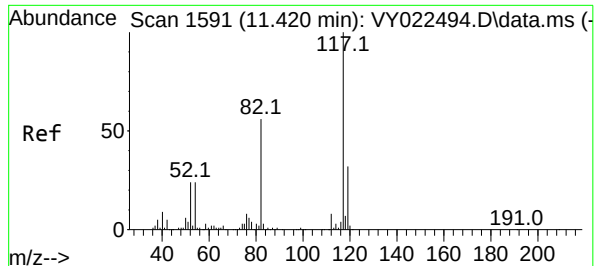
Tgt Ion: 98 Resp: 603269
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.073 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion: 95 Resp: 156250
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.0
176 82.8 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 117

Delta R.T. -0.007 min

Lab File: VY022526.D

Acq: 03 Jun 2025 16:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-46

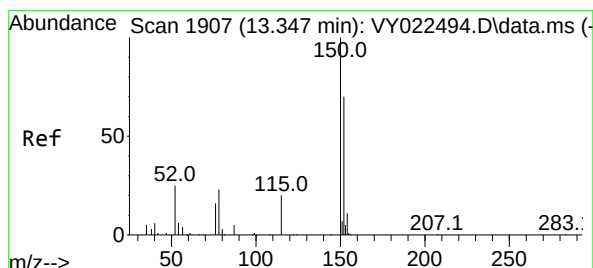
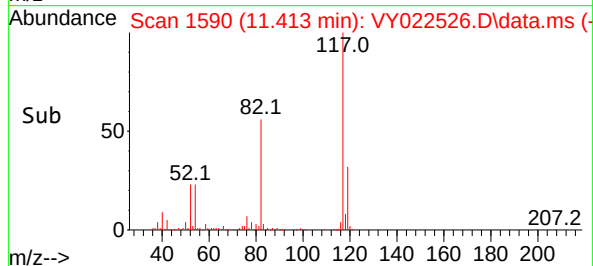
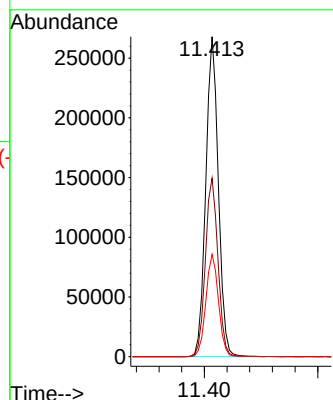
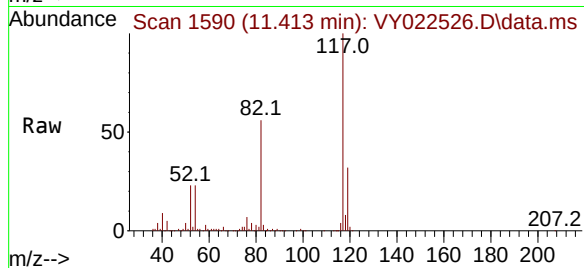
Tgt Ion:117 Resp: 411331

Ion Ratio Lower Upper

117 100

82 55.8 44.6 66.8

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.001 min

Lab File: VY022526.D

Acq: 03 Jun 2025 16:35

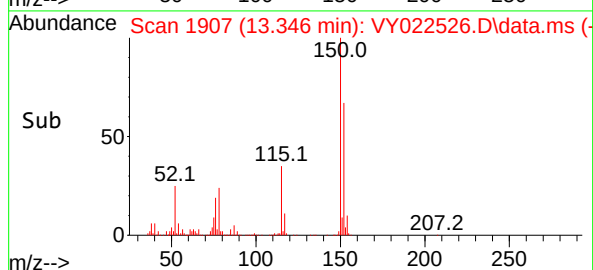
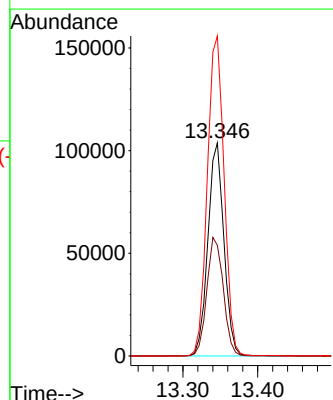
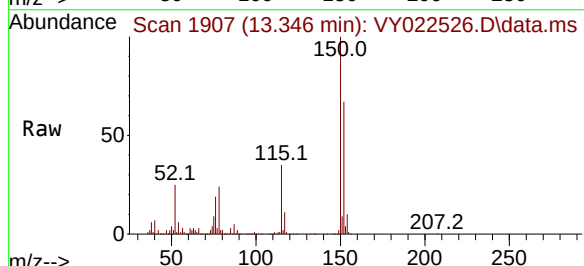
Tgt Ion:152 Resp: 154553

Ion Ratio Lower Upper

152 100

115 57.2 28.9 86.7

150 156.7 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022526.D
 Acq On : 03 Jun 2025 16:35
 Operator : SY/MD
 Sample : Q2176-01
 Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-46

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M

Title : SW846 8260

Signal : TIC: VY022526.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.482	118	125	126	rBV2	14742	29651	1.80%	0.364%
2	4.610	465	474	482	rBV3	8289	23848	1.45%	0.293%
3	7.634	959	970	975	rBV	217967	520062	31.61%	6.389%
4	7.707	975	982	992	rVB	361623	822553	50.00%	10.106%
5	8.060	1030	1040	1053	rBV	212998	470485	28.60%	5.780%
6	8.609	1120	1130	1144	rBV	584861	1186850	72.14%	14.582%
7	10.103	1366	1375	1384	rBV	977377	1645099	100.00%	20.212%
8	11.413	1582	1590	1602	rBV	863787	1347877	81.93%	16.560%
9	12.401	1745	1752	1764	rBV	600637	951611	57.85%	11.692%
10	13.340	1897	1906	1915	rBV	635531	1007276	61.23%	12.375%
11	13.883	1989	1995	2004	rVB	87431	134012	8.15%	1.646%

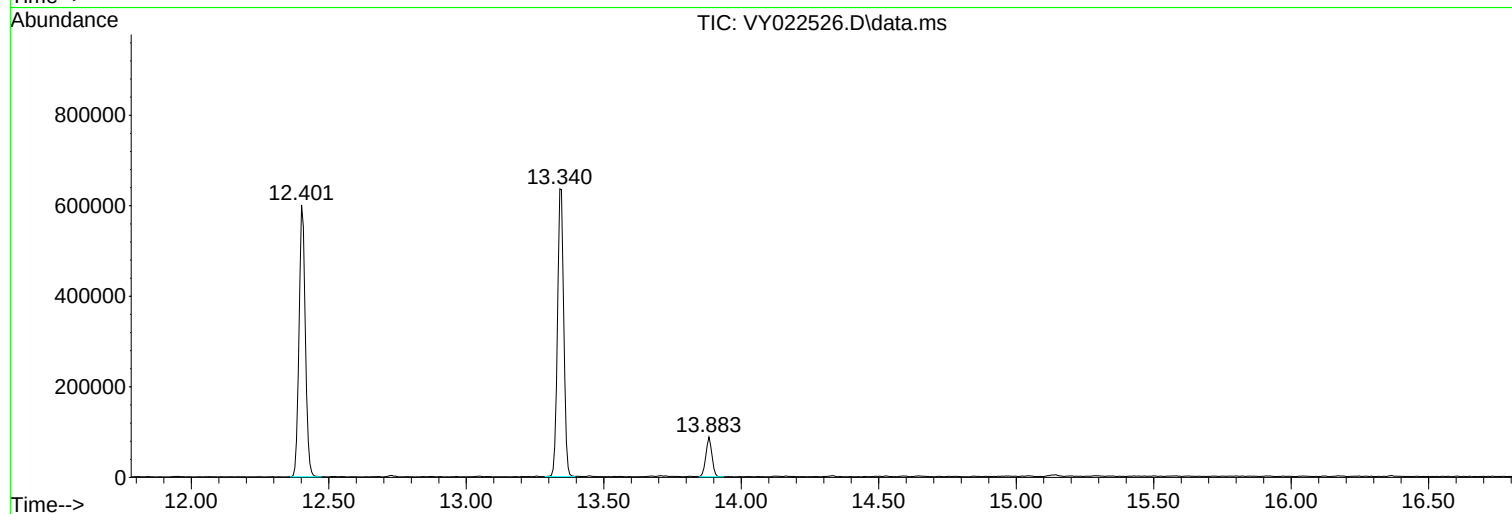
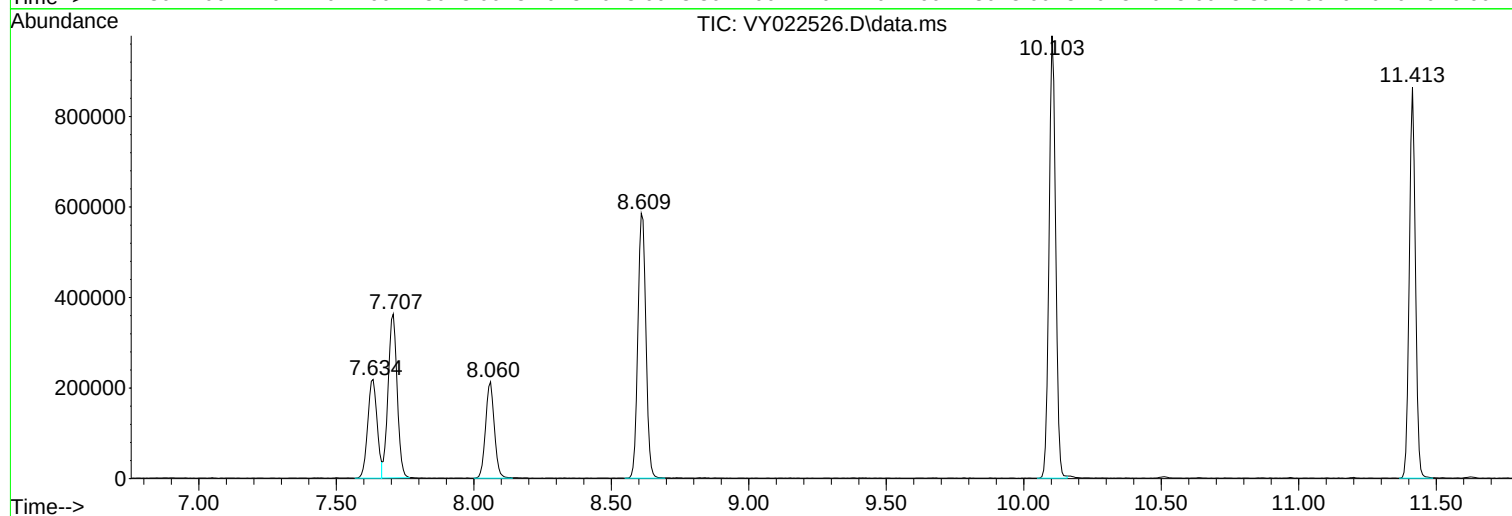
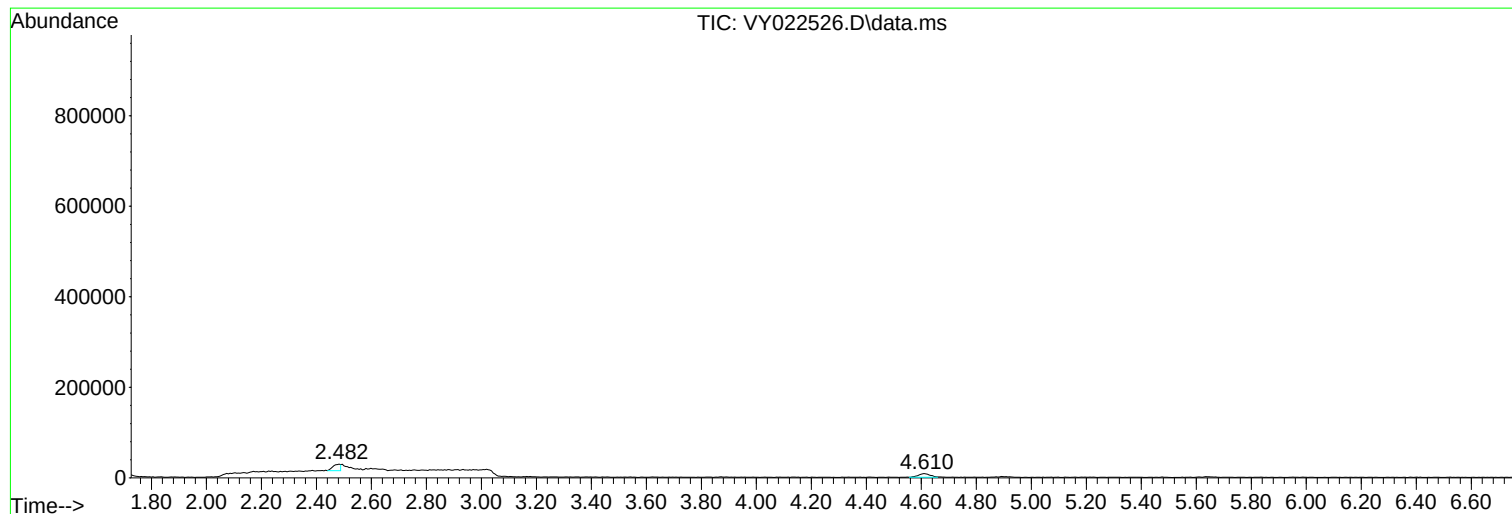
Sum of corrected areas: 8139324

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022526.D
Acq On : 03 Jun 2025 16:35
Operator : SY/MD
Sample : Q2176-01
Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022526.D
Acq On : 03 Jun 2025 16:35
Operator : SY/MD
Sample : Q2176-01
Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022526.D
Acq On : 03 Jun 2025 16:35
Operator : SY/MD
Sample : Q2176-01
Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-46

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	5.9 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
VY022527.D	1		06/03/25 16:58	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.90	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.90	ug/Kg
75-01-4	Vinyl Chloride	0.78	U	0.78	4.90	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	4.90	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.90	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	4.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.98	U	0.98	4.90	ug/Kg
67-64-1	Acetone	4.70	U	4.70	24.6	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.72	U	0.72	4.90	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.90	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	9.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.85	U	0.85	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.79	U	0.79	4.90	ug/Kg
110-82-7	Cyclohexane	0.78	U	0.78	4.90	ug/Kg
78-93-3	2-Butanone	6.40	U	6.40	24.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.95	U	0.95	4.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.74	U	0.74	4.90	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.90	ug/Kg
67-66-3	Chloroform	0.83	U	0.83	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.91	U	0.91	4.90	ug/Kg
108-87-2	Methylcyclohexane	0.89	U	0.89	4.90	ug/Kg
71-43-2	Benzene	0.78	U	0.78	4.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.78	U	0.78	4.90	ug/Kg
79-01-6	Trichloroethene	0.80	U	0.80	4.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.89	U	0.89	4.90	ug/Kg
75-27-4	Bromodichloromethane	0.77	U	0.77	4.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	24.6	ug/Kg
108-88-3	Toluene	0.77	U	0.77	4.90	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	5.9	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
VY022527.D	1		06/03/25 16:58	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.64	U	0.64	4.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.61	U	0.61	4.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.90	U	0.90	4.90	ug/Kg
591-78-6	2-Hexanone	3.60	U	3.60	24.6	ug/Kg
124-48-1	Dibromochloromethane	0.86	U	0.86	4.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.87	U	0.87	4.90	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	4.90	ug/Kg
108-90-7	Chlorobenzene	0.89	U	0.89	4.90	ug/Kg
100-41-4	Ethyl Benzene	0.66	U	0.66	4.90	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.80	ug/Kg
95-47-6	o-Xylene	0.81	U	0.81	4.90	ug/Kg
100-42-5	Styrene	0.70	U	0.70	4.90	ug/Kg
75-25-2	Bromoform	0.85	U	0.85	4.90	ug/Kg
98-82-8	Isopropylbenzene	0.77	U	0.77	4.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	4.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	4.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	4.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.90	4.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	3.10	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.3		17 - 146	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	259000	7.707			
540-36-3	1,4-Difluorobenzene	475000	8.61			
3114-55-4	Chlorobenzene-d5	372000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.347			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	5.9	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
VY022527.D	1		06/03/25 16:58	VY060325

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\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Quant Time: Jun 04 04:15:25 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	259331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	475112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	372480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	129377	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143439	49.454	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.900%
35) Dibromofluoromethane	7.634	113	143691	50.670	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.103	98	564005	49.221	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.402	95	137531	40.283	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.560%

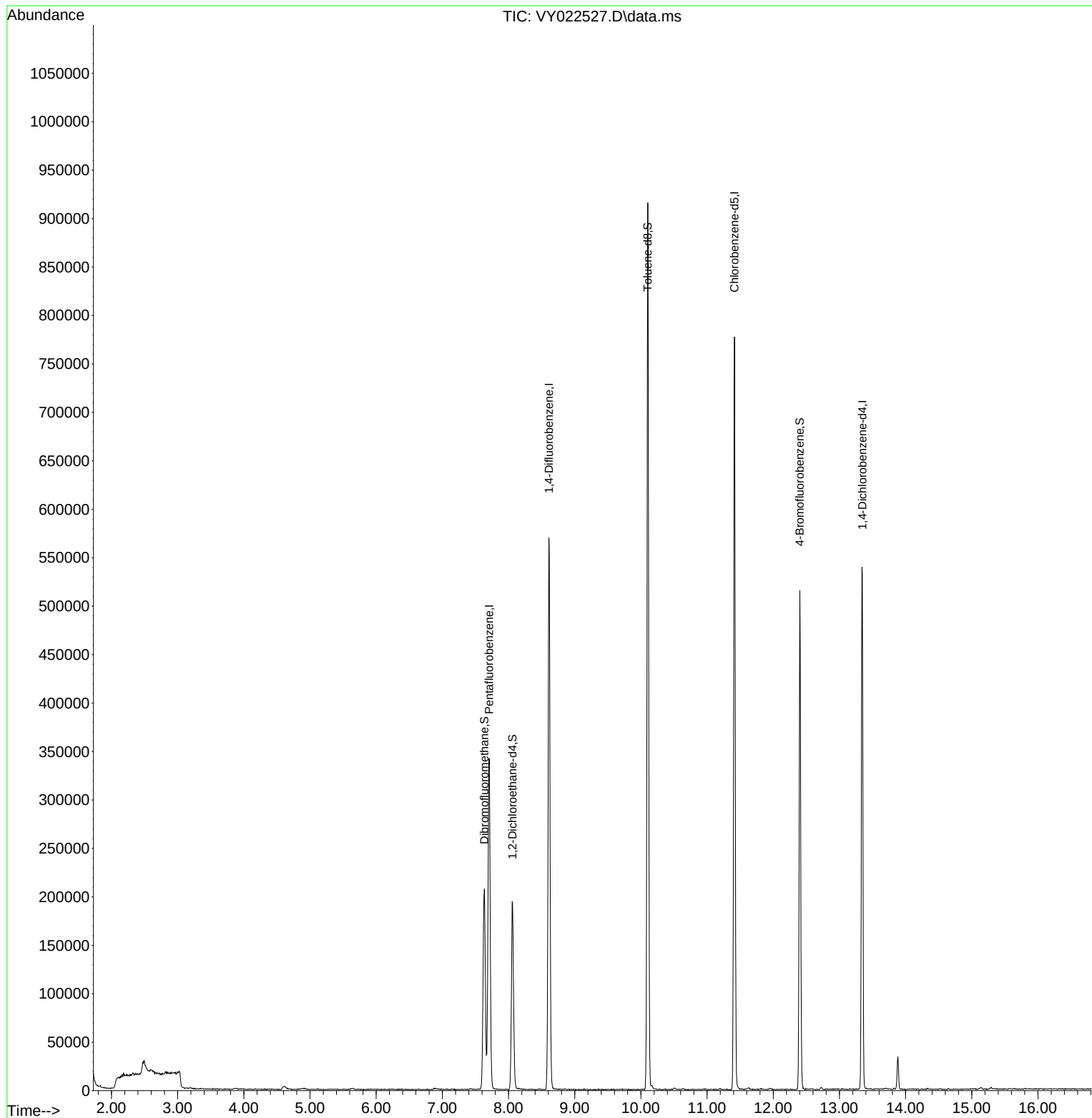
Target Compounds	Qvalue

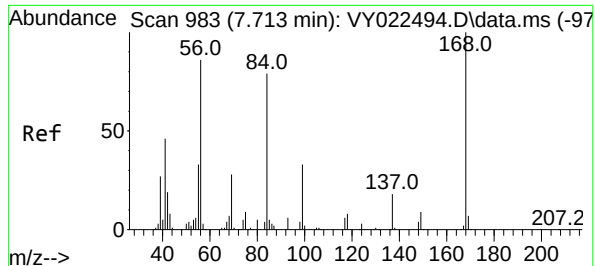
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Quant Time: Jun 04 04:15:25 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

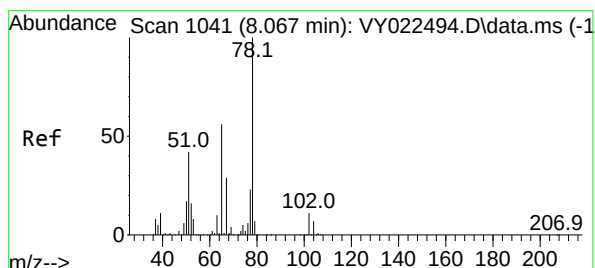
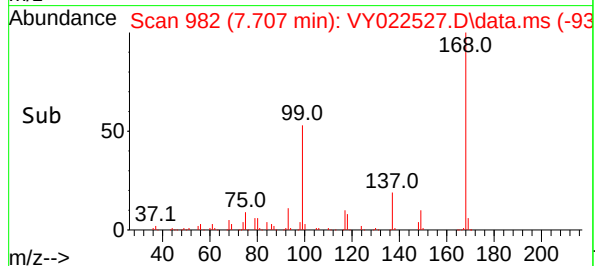
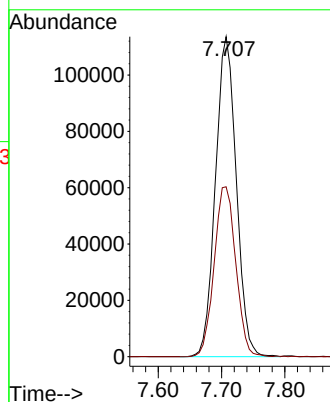
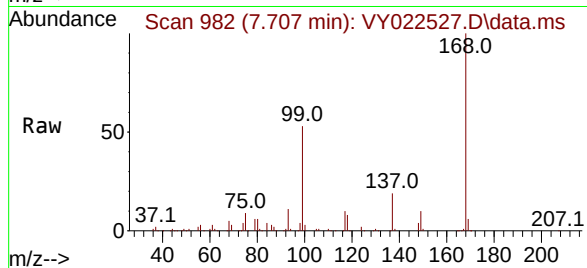




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

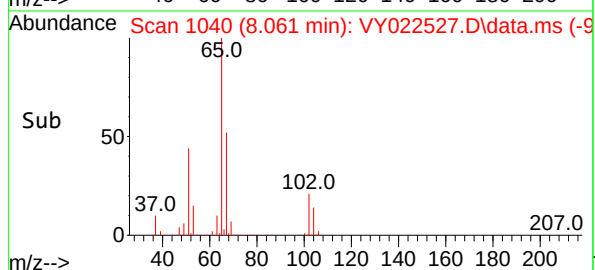
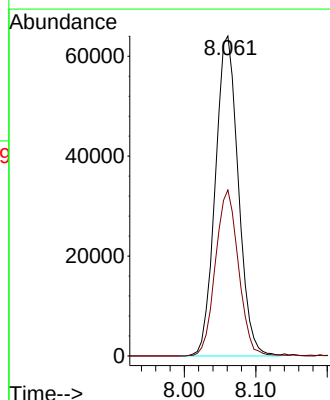
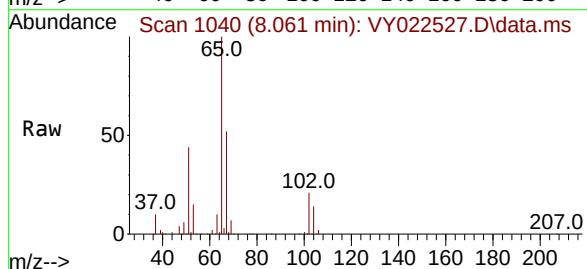
Instrument :
MSVOA_Y
ClientSampleId :
TP-56

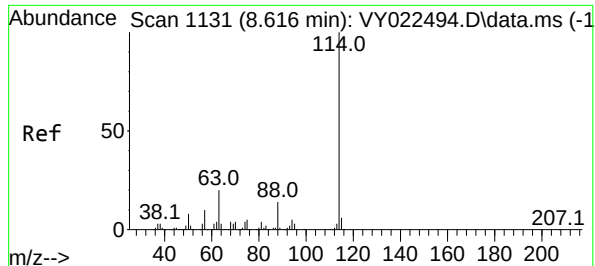
Tgt Ion:168 Resp: 259331
Ion Ratio Lower Upper
168 100
99 53.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.454 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Tgt Ion: 65 Resp: 143439
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022527.D

Acq: 03 Jun 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-56

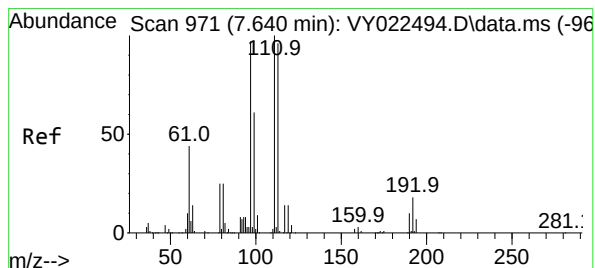
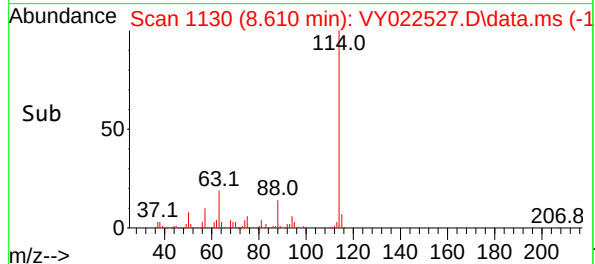
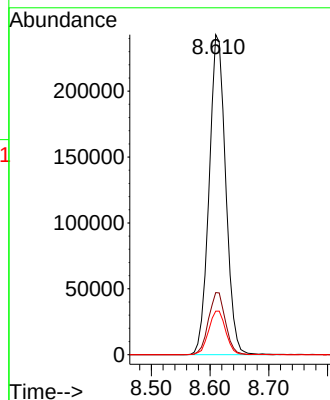
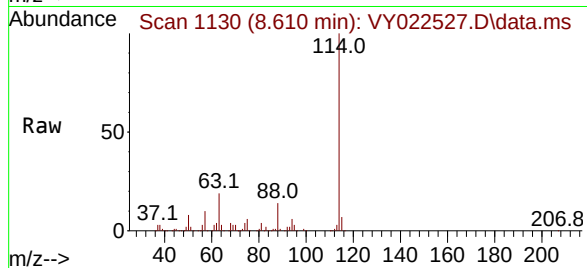
Tgt Ion:114 Resp: 475112

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 13.6 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.670 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022527.D

Acq: 03 Jun 2025 16:58

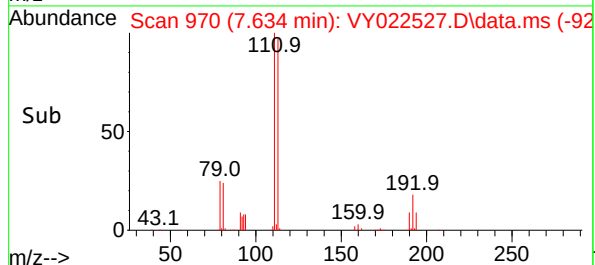
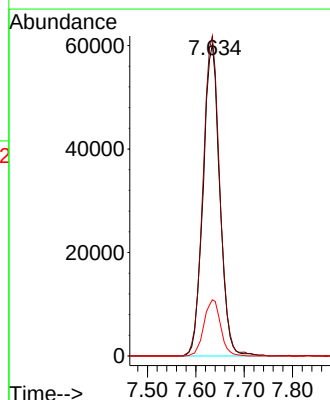
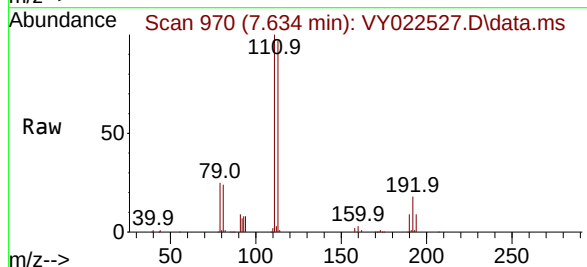
Tgt Ion:113 Resp: 143691

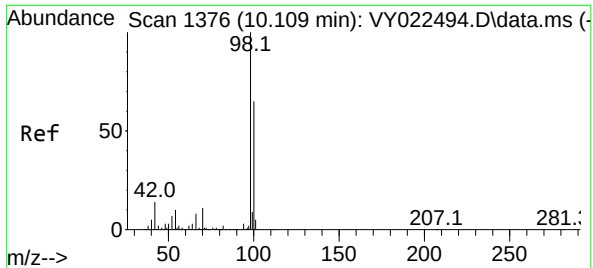
Ion Ratio Lower Upper

113 100

111 103.6 81.1 121.7

192 18.0 14.2 21.2

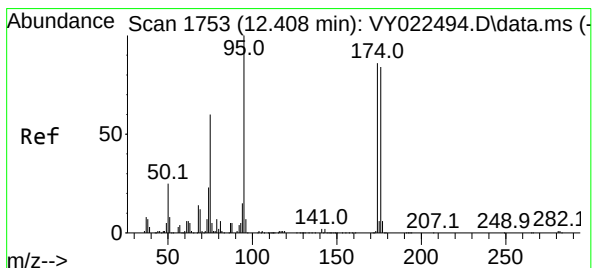
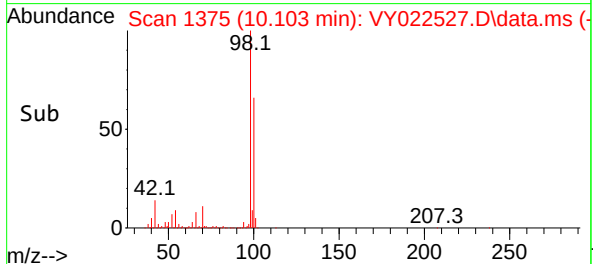
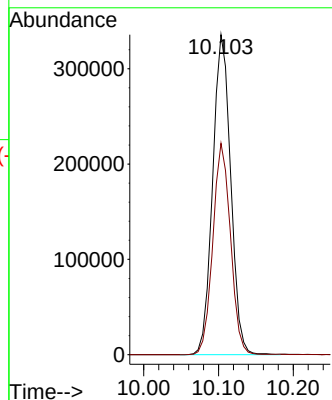
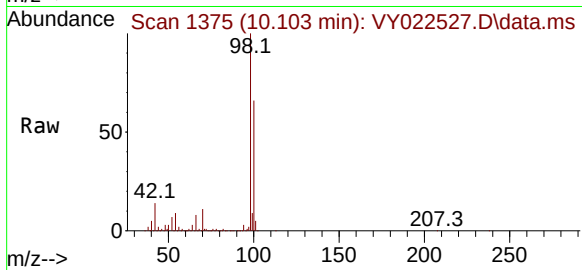




#50
Toluene-d8
Concen: 49.221 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

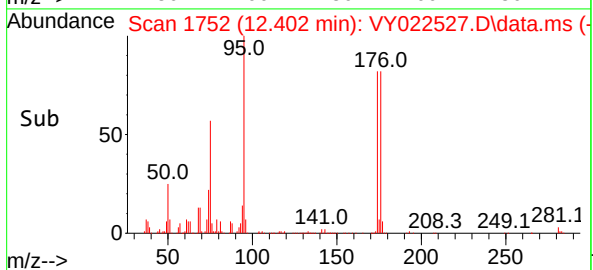
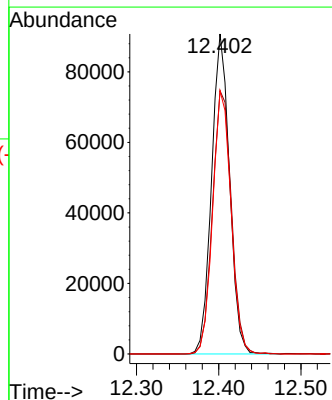
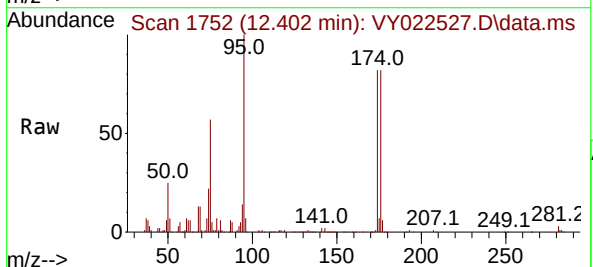
Instrument :
MSVOA_Y
ClientSampleId :
TP-56

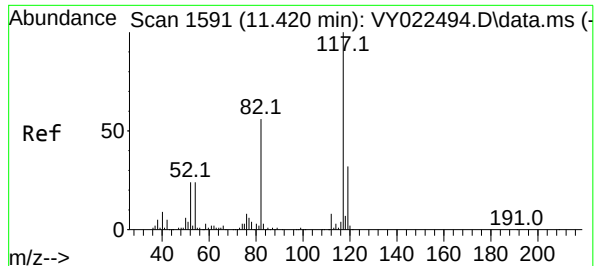
Tgt Ion: 98 Resp: 564005
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 40.283 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022527.D
Acq: 03 Jun 2025 16:58

Tgt Ion: 95 Resp: 137531
Ion Ratio Lower Upper
95 100
174 86.9 0.0 170.0
176 84.1 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022527.D

Acq: 03 Jun 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-56

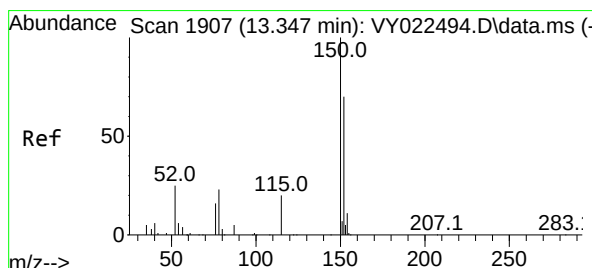
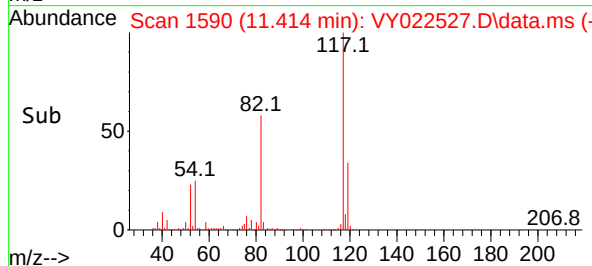
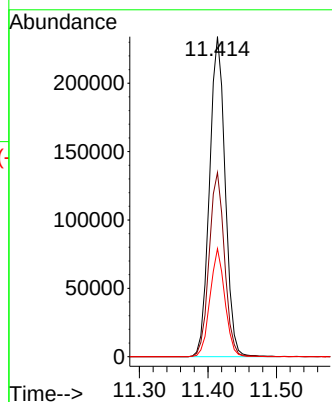
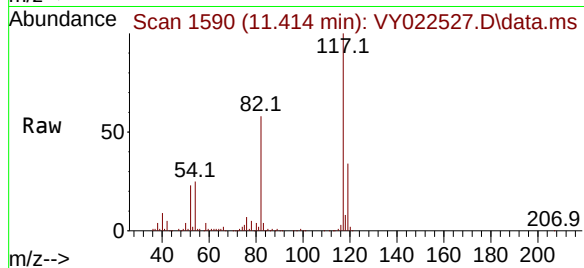
Tgt Ion:117 Resp: 372480

Ion Ratio Lower Upper

117 100

82 57.6 44.6 66.8

119 33.8 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: VY022527.D

Acq: 03 Jun 2025 16:58

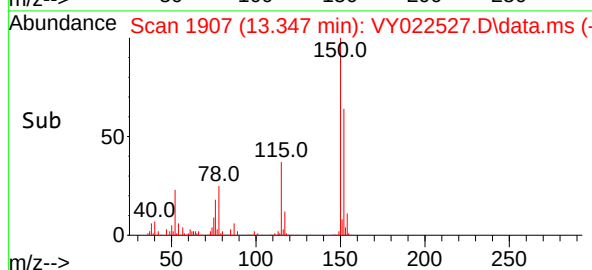
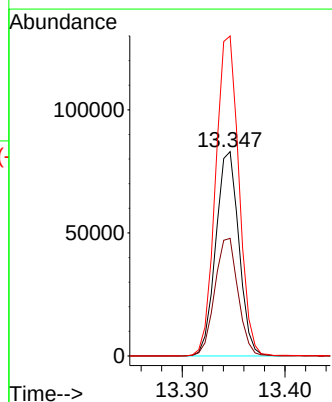
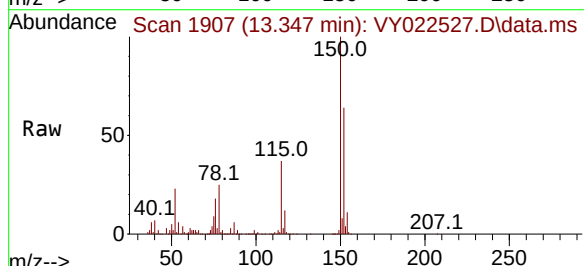
Tgt Ion:152 Resp: 129377

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 158.1 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M

Title : SW846 8260

Signal : TIC: VY022527.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.086	50	60	61	rBV5	10445	22959	1.50%	0.312%
2	2.477	119	124	125	rBV2	11339	16177	1.06%	0.220%
3	7.634	959	970	975	rBV2	206931	489260	31.99%	6.652%
4	7.707	975	982	993	rVB	341030	786033	51.39%	10.688%
5	8.055	1030	1039	1052	rBV	194561	433343	28.33%	5.892%
6	8.610	1122	1130	1144	rBV	569263	1118203	73.11%	15.204%
7	10.103	1367	1375	1383	rBV	915501	1529535	100.00%	20.797%
8	11.414	1582	1590	1604	rBV	777208	1227958	80.28%	16.696%
9	12.402	1745	1752	1764	rVB	515111	823441	53.84%	11.196%
10	13.340	1898	1906	1915	rBV	538752	854762	55.88%	11.622%
11	13.883	1989	1995	2002	rVB	33911	52985	3.46%	0.720%

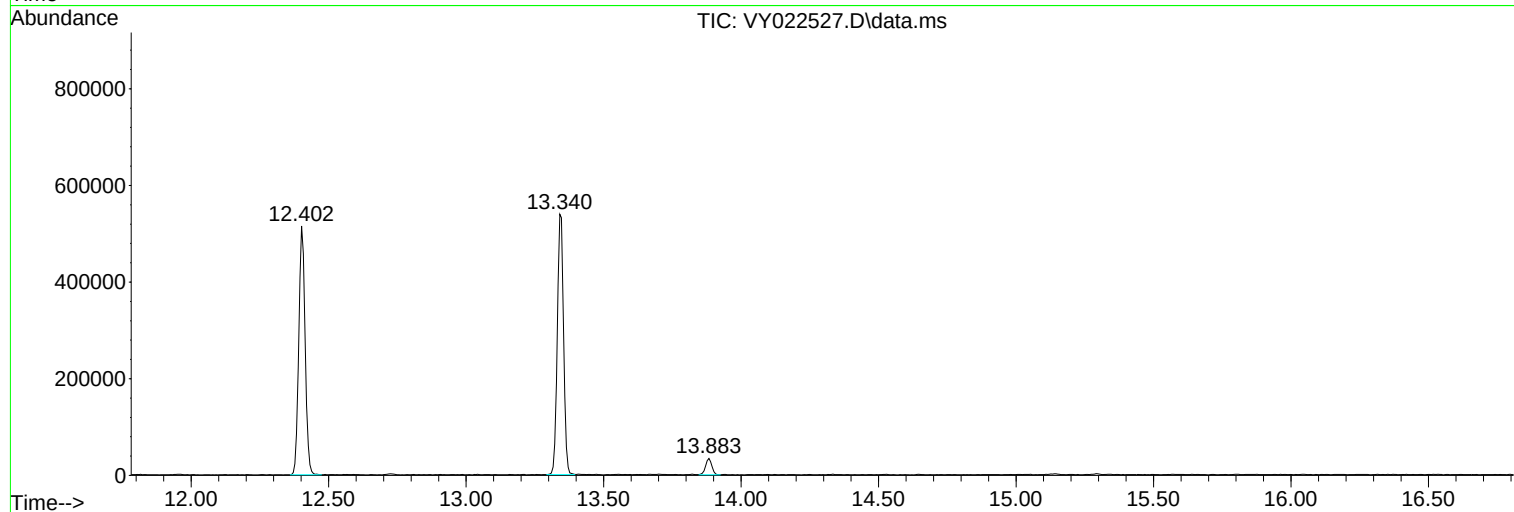
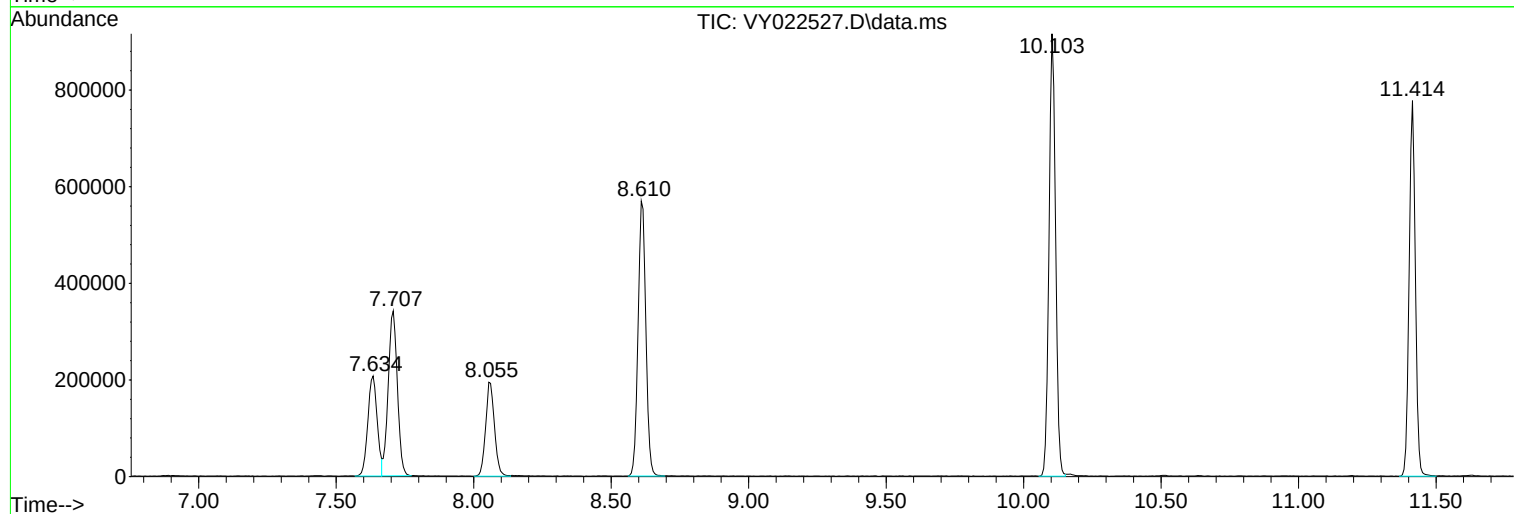
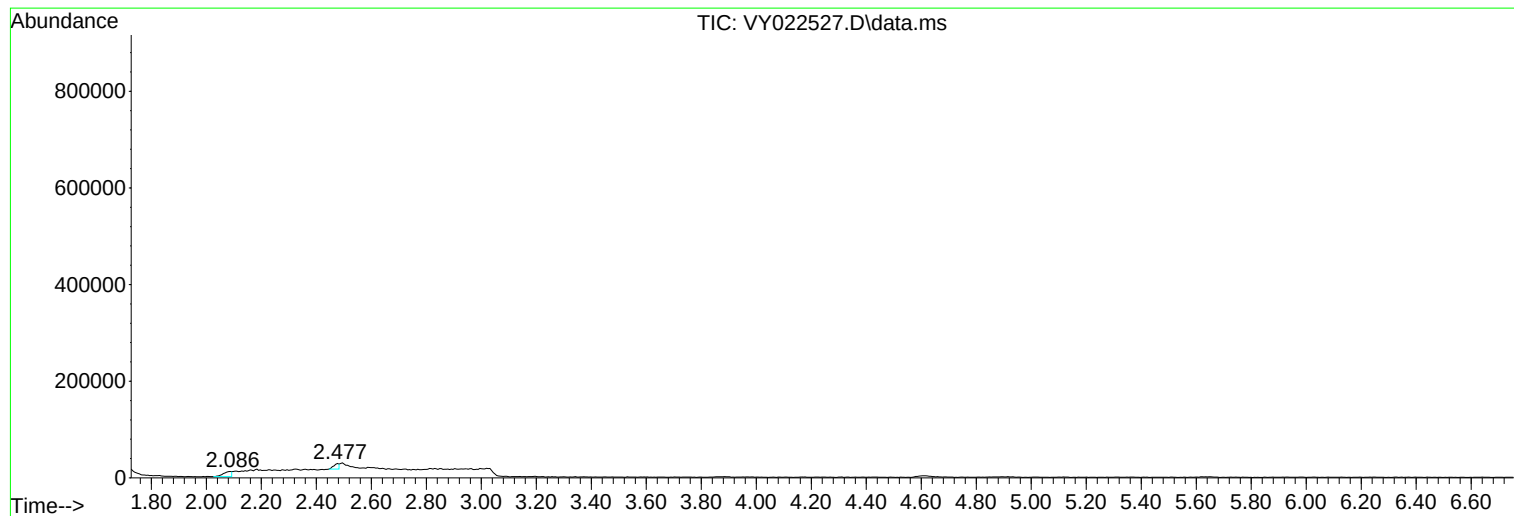
Sum of corrected areas: 7354656

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022527.D
Acq On : 03 Jun 2025 16:58
Operator : SY/MD
Sample : Q2176-02
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-56

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.87 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
VY022528.D	1		06/03/25 17:22	VY060325

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	0.99	U	0.99	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	24.8	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	9.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.85	U	0.85	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	24.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.96	U	0.96	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	5.00	ug/Kg
67-66-3	Chloroform	0.83	U	0.83	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.90	U	0.90	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	0.90	U	0.90	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	24.8	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.87 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
VY022528.D	1		06/03/25 17:22	VY060325

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	0.91	U	0.91	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	24.8	ug/Kg
124-48-1	Dibromochloromethane	0.86	U	0.86	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.87	U	0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.00	ug/Kg
108-90-7	Chlorobenzene	0.90	U	0.90	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	9.90	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	0.85	U	0.85	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	1.40	U	1.40	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	43.9		63 - 155	88%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	49.4		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.2		17 - 146	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	278000	7.707			
540-36-3	1,4-Difluorobenzene	502000	8.61			
3114-55-4	Chlorobenzene-d5	388000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.347			



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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.87	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
VY022528.D	1		06/03/25 17:22	VY060325

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\VY060325\
 Data File : VY022528.D
 Acq On : 03 Jun 2025 17:22
 Operator : SY/MD
 Sample : Q2176-03
 Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-25

Quant Time: Jun 04 04:15:45 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	277698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	501520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	388135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133596	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136425	43.925	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.840%
35) Dibromofluoromethane	7.628	113	144079	48.131	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.260%
50) Toluene-d8	10.103	98	597801	49.423	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.840%
62) 4-Bromofluorobenzene	12.402	95	141351	39.222	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.440%

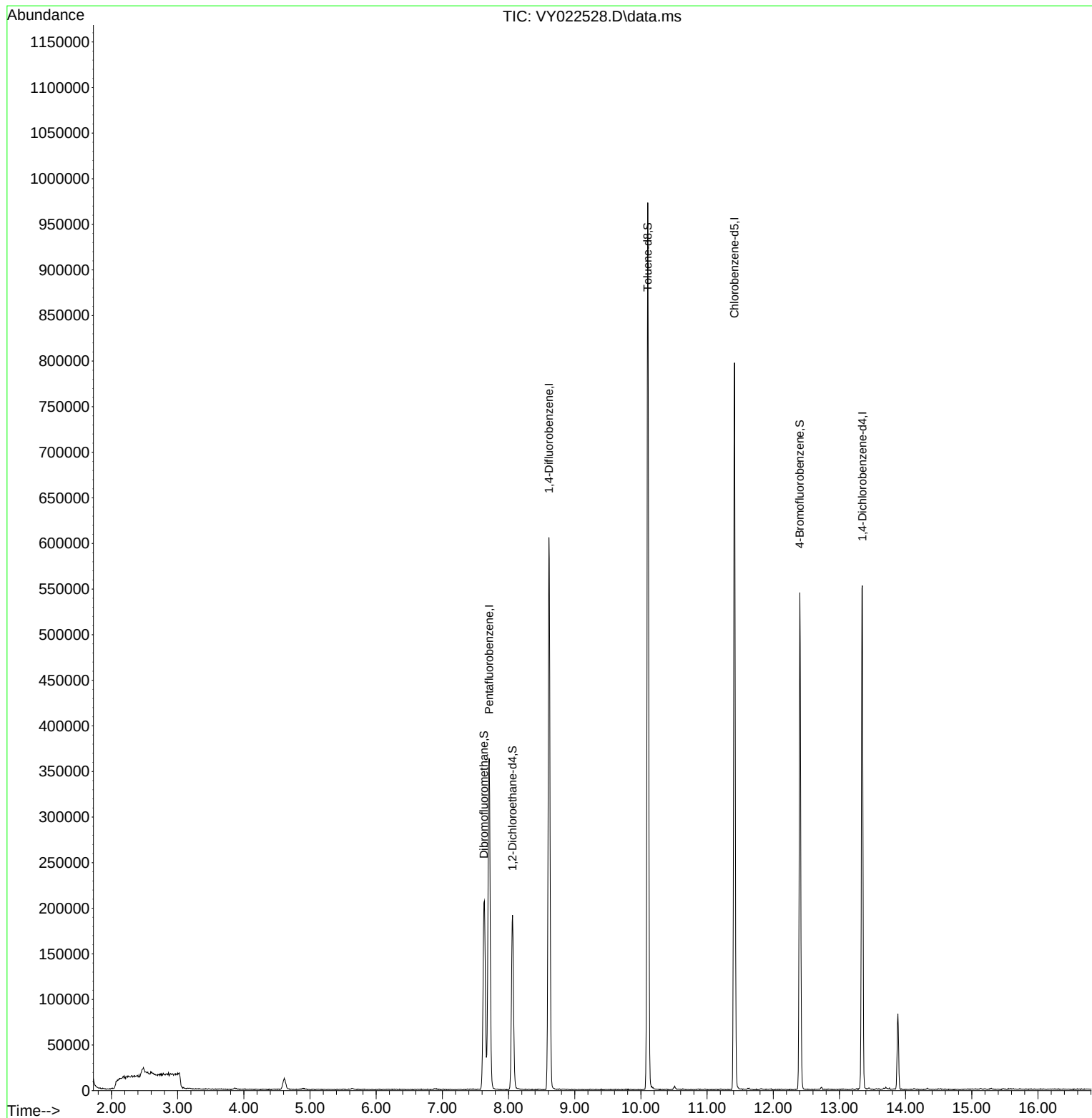
Target Compounds	Qvalue

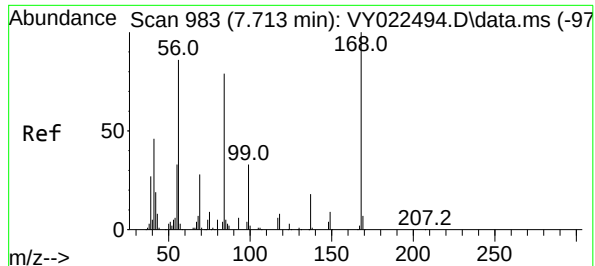
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022528.D
Acq On : 03 Jun 2025 17:22
Operator : SY/MD
Sample : Q2176-03
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

Quant Time: Jun 04 04:15:45 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

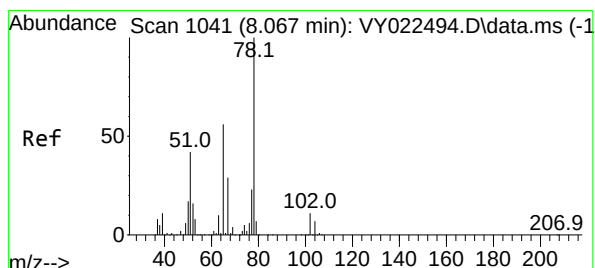
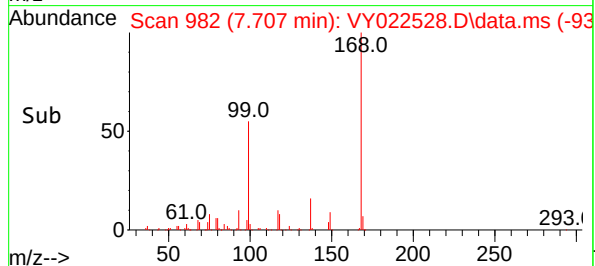
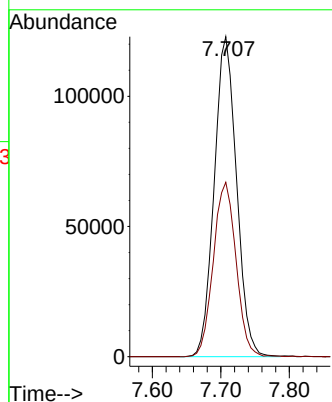
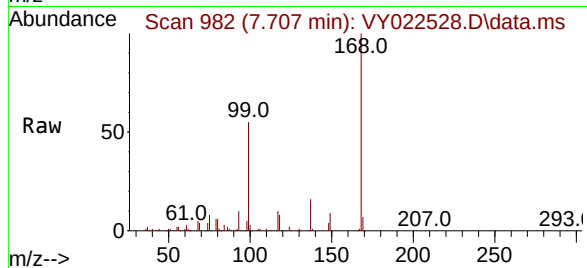




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

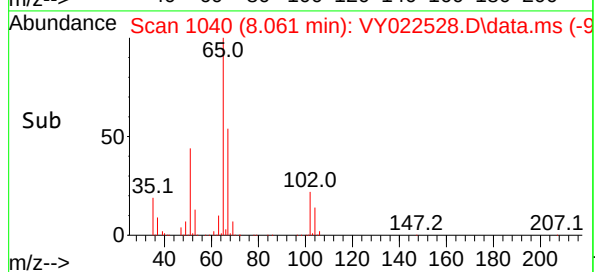
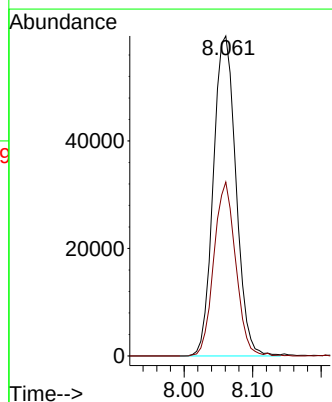
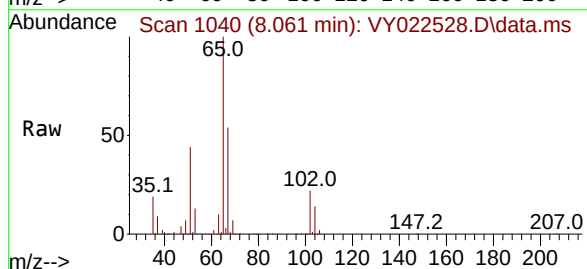
Instrument :
MSVOA_Y
ClientSampleId :
TP-25

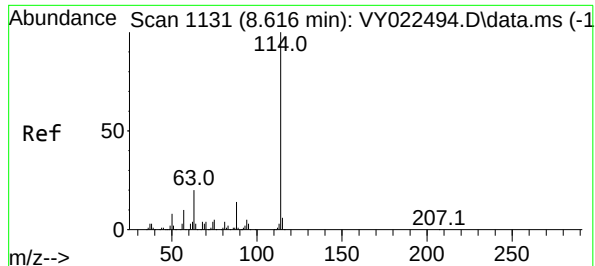
Tgt Ion:168 Resp: 277698
Ion Ratio Lower Upper
168 100
99 54.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 43.925 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 65 Resp: 136425
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022528.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-25

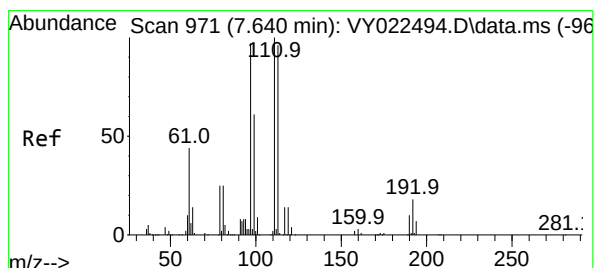
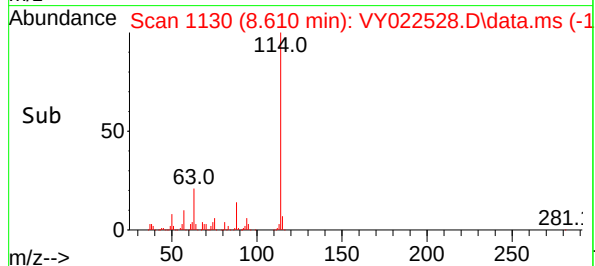
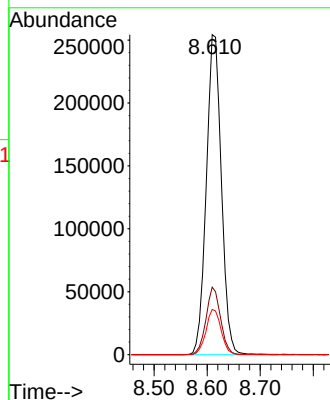
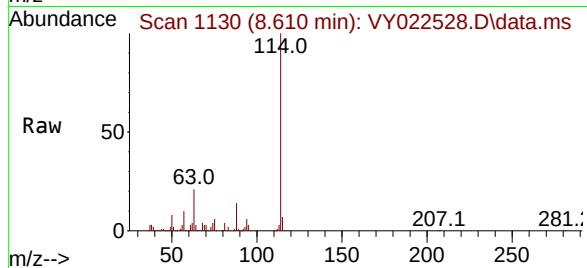
Tgt Ion:114 Resp: 501520

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 14.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 48.131 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022528.D

Acq: 03 Jun 2025 17:22

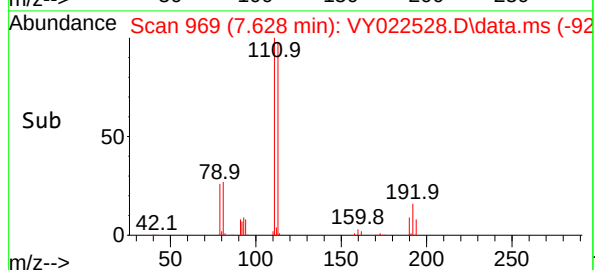
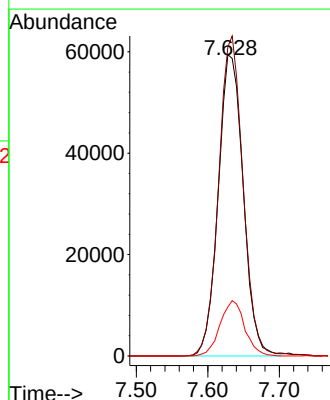
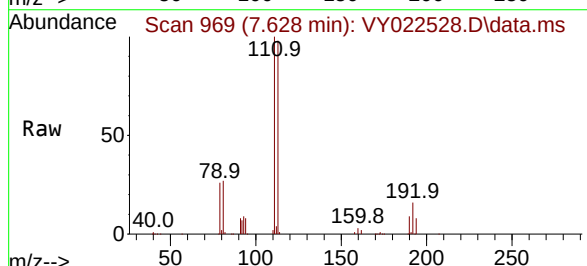
Tgt Ion:113 Resp: 144079

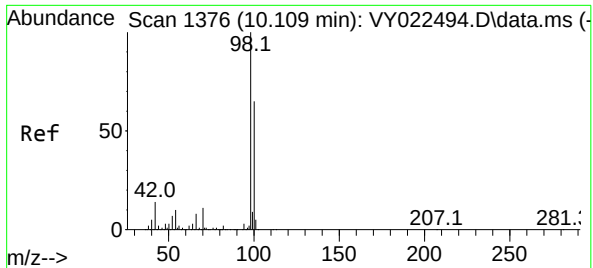
Ion Ratio Lower Upper

113 100

111 104.1 81.1 121.7

192 18.1 14.2 21.2





#50

Toluene-d8

Concen: 49.423 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022528.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

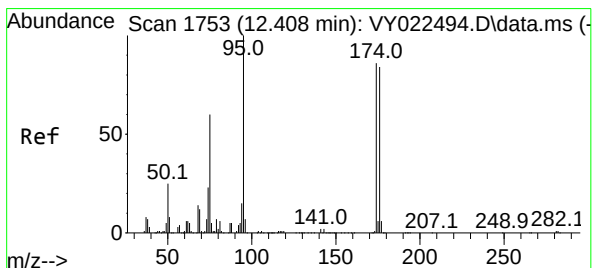
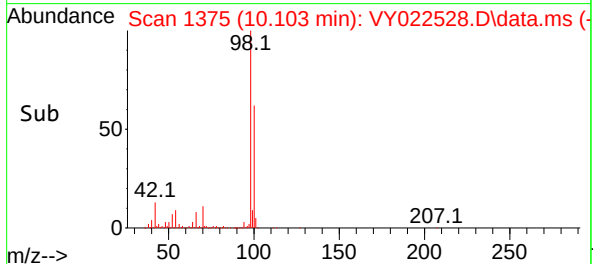
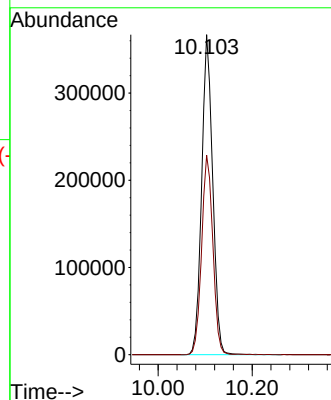
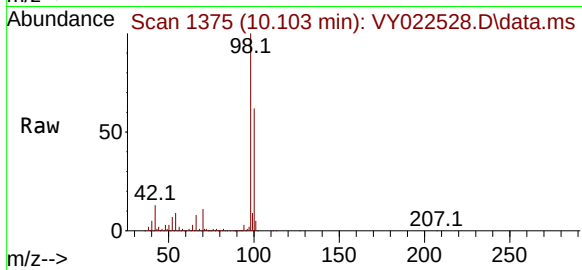
TP-25

Tgt Ion: 98 Resp: 597801

Ion Ratio Lower Upper

98 100

100 63.6 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 39.222 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022528.D

Acq: 03 Jun 2025 17:22

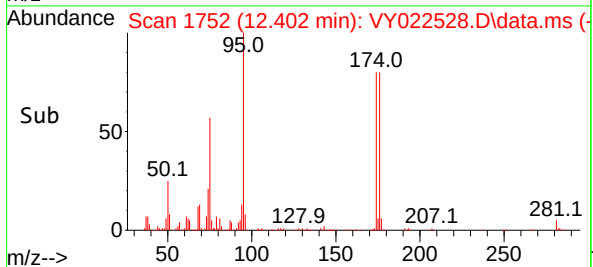
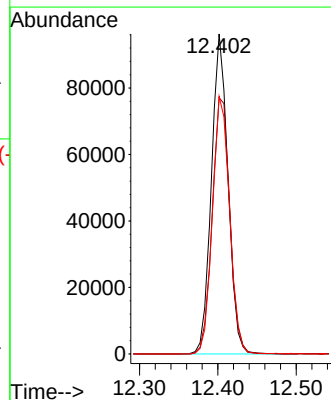
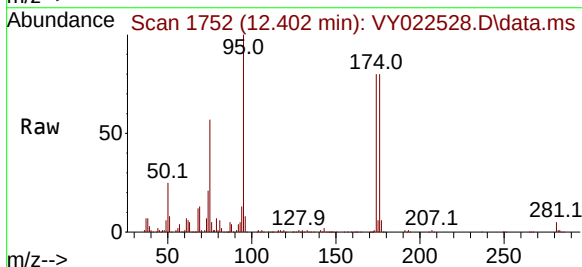
Tgt Ion: 95 Resp: 141351

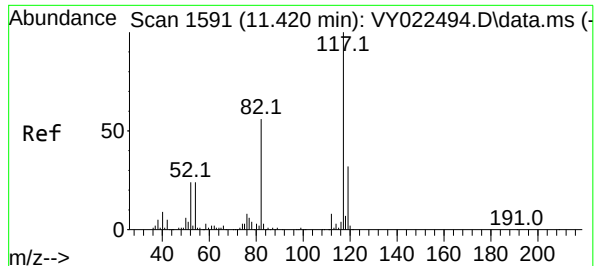
Ion Ratio Lower Upper

95 100

174 85.3 0.0 170.0

176 83.2 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: VY022528.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-25

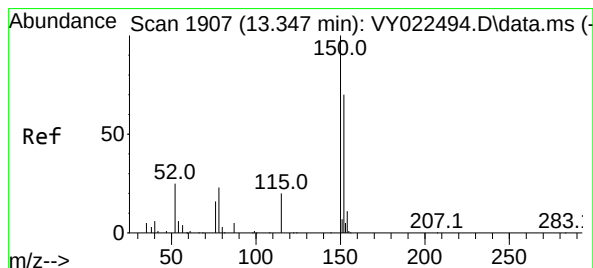
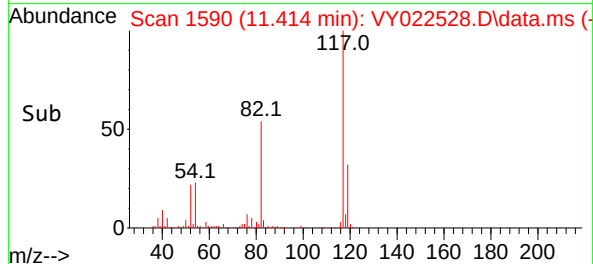
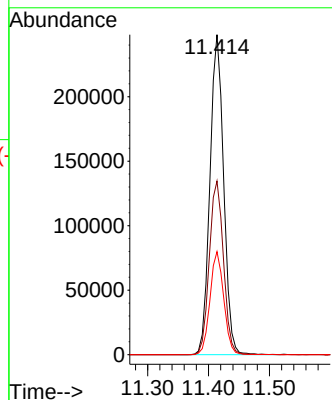
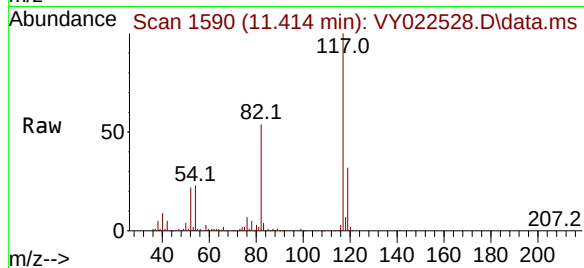
Tgt Ion:117 Resp: 388135

Ion Ratio Lower Upper

117 100

82 54.2 44.6 66.8

119 32.2 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: VY022528.D

Acq: 03 Jun 2025 17:22

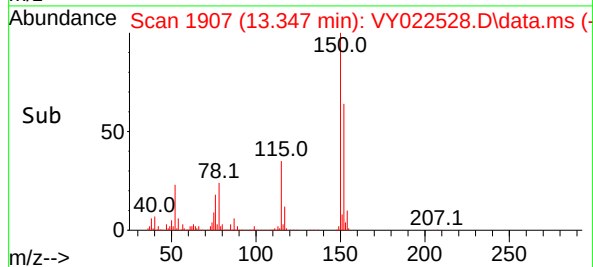
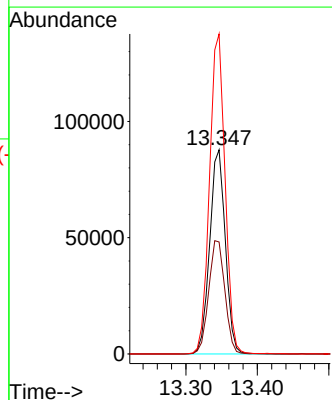
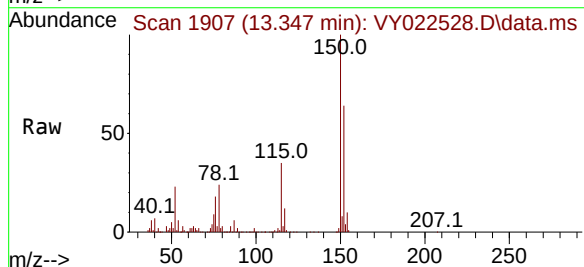
Tgt Ion:152 Resp: 133596

Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.7

150 155.1 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022528.D
 Acq On : 03 Jun 2025 17:22
 Operator : SY/MD
 Sample : Q2176-03
 Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-25

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M

Title : SW846 8260

Signal : TIC: VY022528.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.129	58	67	69	rVV7	4082	16587	1.03%	0.213%
2	2.483	116	125	129	rBV3	10489	32137	1.99%	0.413%
3	4.610	464	474	487	rVB3	12189	36899	2.28%	0.474%
4	7.634	959	970	975	rBV2	206781	495856	30.67%	6.366%
5	7.707	975	982	1000	rVB	362717	847960	52.44%	10.887%
6	8.061	1028	1040	1052	rBV	191487	420304	25.99%	5.396%
7	8.610	1122	1130	1142	rBV	605403	1183632	73.20%	15.197%
8	10.103	1367	1375	1384	rBV	972258	1616943	100.00%	20.760%
9	11.414	1582	1590	1602	rBV	797072	1271971	78.67%	16.331%
10	12.402	1745	1752	1762	rBV2	544747	861931	53.31%	11.067%
11	13.347	1899	1907	1917	rVB	551769	871318	53.89%	11.187%
12	13.883	1988	1995	2002	rVB2	82920	133047	8.23%	1.708%

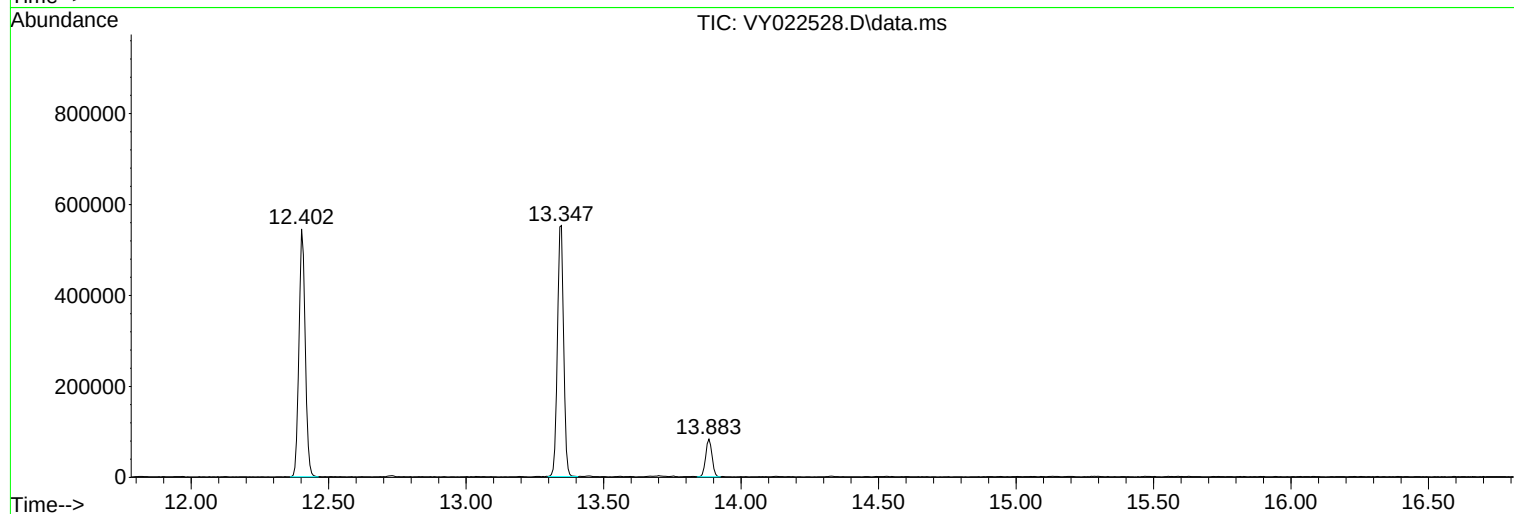
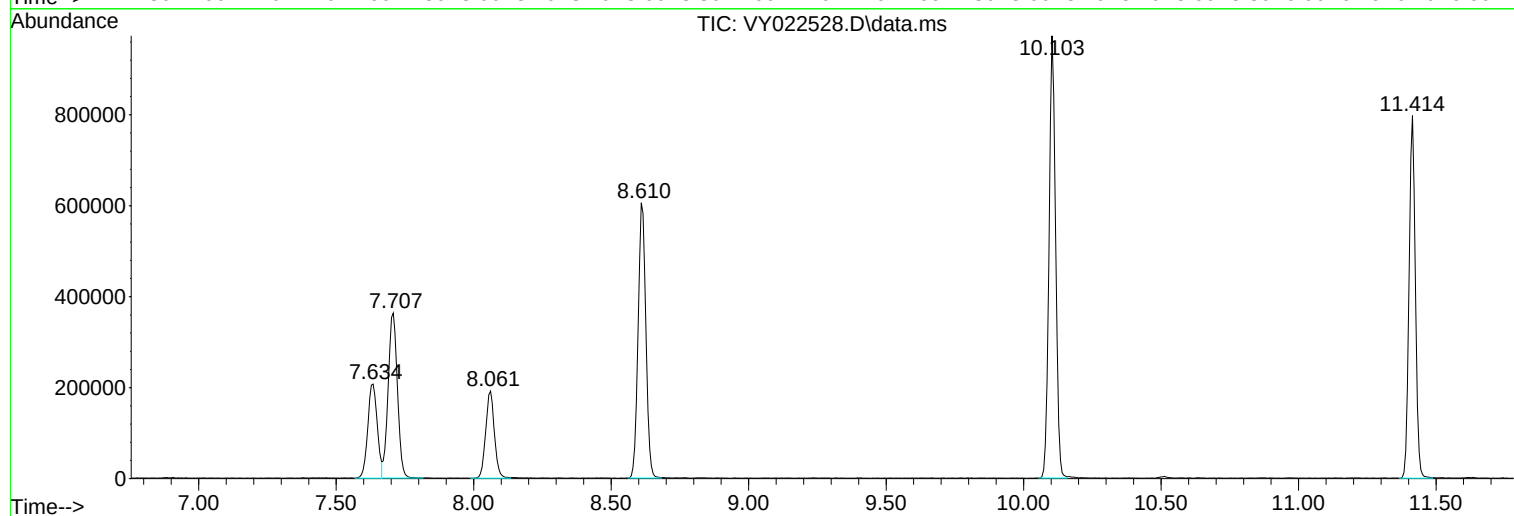
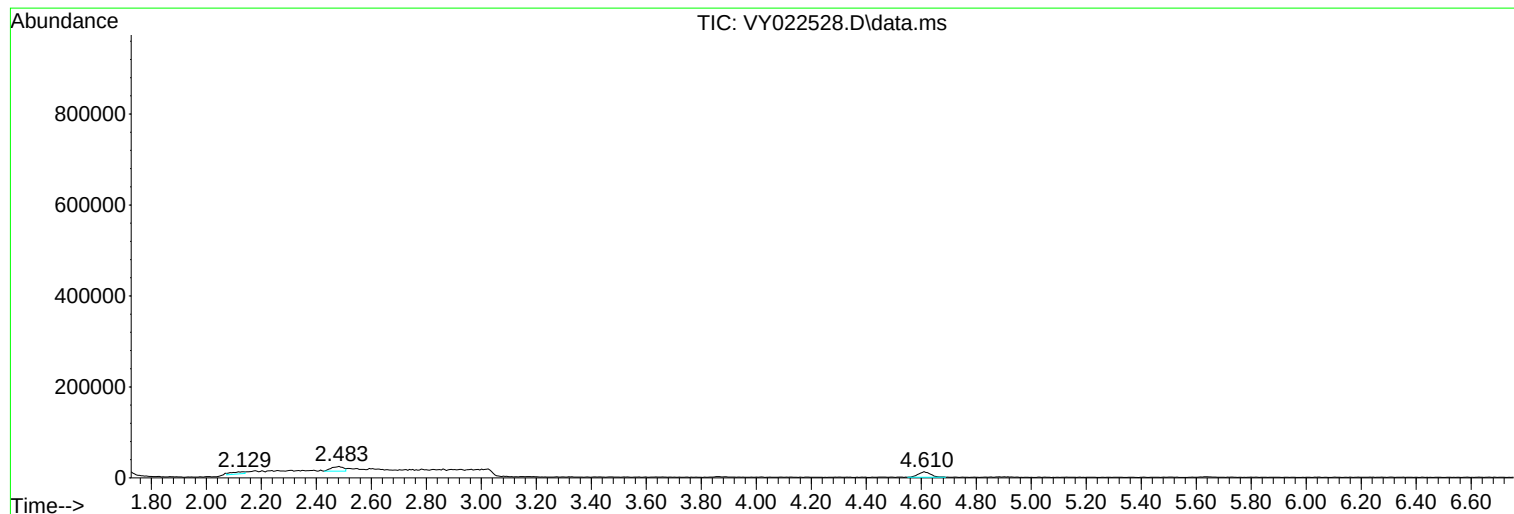
Sum of corrected areas: 7788585

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022528.D
Acq On : 03 Jun 2025 17:22
Operator : SY/MD
Sample : Q2176-03
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022528.D
Acq On : 03 Jun 2025 17:22
Operator : SY/MD
Sample : Q2176-03
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022528.D
Acq On : 03 Jun 2025 17:22
Operator : SY/MD
Sample : Q2176-03
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-25

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.2
Sample Wt/Vol:	7.58 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
VY022529.D	1		06/03/25 17:45	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	3.90	ug/Kg
74-87-3	Chloromethane	0.88	U	0.88	3.90	ug/Kg
75-01-4	Vinyl Chloride	0.61	U	0.61	3.90	ug/Kg
74-83-9	Bromomethane	0.83	U	0.83	3.90	ug/Kg
75-00-3	Chloroethane	0.98	U	0.98	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.94	U	0.94	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.82	U	0.82	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.77	U	0.77	3.90	ug/Kg
67-64-1	Acetone	12.0	J	3.70	19.4	ug/Kg
75-15-0	Carbon Disulfide	0.82	U	0.82	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.57	U	0.57	3.90	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.90	ug/Kg
75-09-2	Methylene Chloride	2.70	J	2.70	7.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.67	U	0.67	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.62	U	0.62	3.90	ug/Kg
110-82-7	Cyclohexane	0.61	U	0.61	3.90	ug/Kg
78-93-3	2-Butanone	5.10	U	5.10	19.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.75	U	0.75	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.58	U	0.58	3.90	ug/Kg
74-97-5	Bromochloromethane	0.89	U	0.89	3.90	ug/Kg
67-66-3	Chloroform	0.65	U	0.65	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.72	U	0.72	3.90	ug/Kg
108-87-2	Methylcyclohexane	0.70	U	0.70	3.90	ug/Kg
71-43-2	Benzene	0.61	U	0.61	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	3.90	ug/Kg
79-01-6	Trichloroethene	0.63	U	0.63	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.70	U	0.70	3.90	ug/Kg
75-27-4	Bromodichloromethane	0.60	U	0.60	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.80	U	2.80	19.4	ug/Kg
108-88-3	Toluene	0.60	U	0.60	3.90	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.2
Sample Wt/Vol:	7.58	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10
GC Column:	RXI-624	Level :	LOW
Prep Method :	ID : 0.25		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022529.D	1		06/03/25 17:45	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.48	U	0.48	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.71	U	0.71	3.90	ug/Kg
591-78-6	2-Hexanone	2.90	U	2.90	19.4	ug/Kg
124-48-1	Dibromochloromethane	0.67	U	0.67	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.68	U	0.68	3.90	ug/Kg
127-18-4	Tetrachloroethene	0.81	U	0.81	3.90	ug/Kg
108-90-7	Chlorobenzene	0.70	U	0.70	3.90	ug/Kg
100-41-4	Ethyl Benzene	0.52	U	0.52	3.90	ug/Kg
179601-23-1	m/p-Xylenes	0.96	U	0.96	7.70	ug/Kg
95-47-6	o-Xylene	0.63	U	0.63	3.90	ug/Kg
100-42-5	Styrene	0.55	U	0.55	3.90	ug/Kg
75-25-2	Bromoform	0.67	U	0.67	3.90	ug/Kg
98-82-8	Isopropylbenzene	0.60	U	0.60	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.94	U	0.94	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	2.30	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	3.90	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	49.8	63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7	70 - 134	93%	SPK: 50
2037-26-5	Toluene-d8	49.7	74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.1	17 - 146	86%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	245000	7.707
540-36-3	1,4-Difluorobenzene	450000	8.61
3114-55-4	Chlorobenzene-d5	365000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.34

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.2
Sample Wt/Vol:	7.58 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
VY022529.D	1		06/03/25 17:45	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-67-8	1,3,5-Trimethylbenzene	1.30	J		12.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.86	J		13.0	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\VY060325\
 Data File : VY022529.D
 Acq On : 03 Jun 2025 17:45
 Operator : SY/MD
 Sample : Q2176-04
 Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-26

Quant Time: Jun 04 04:16:08 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)

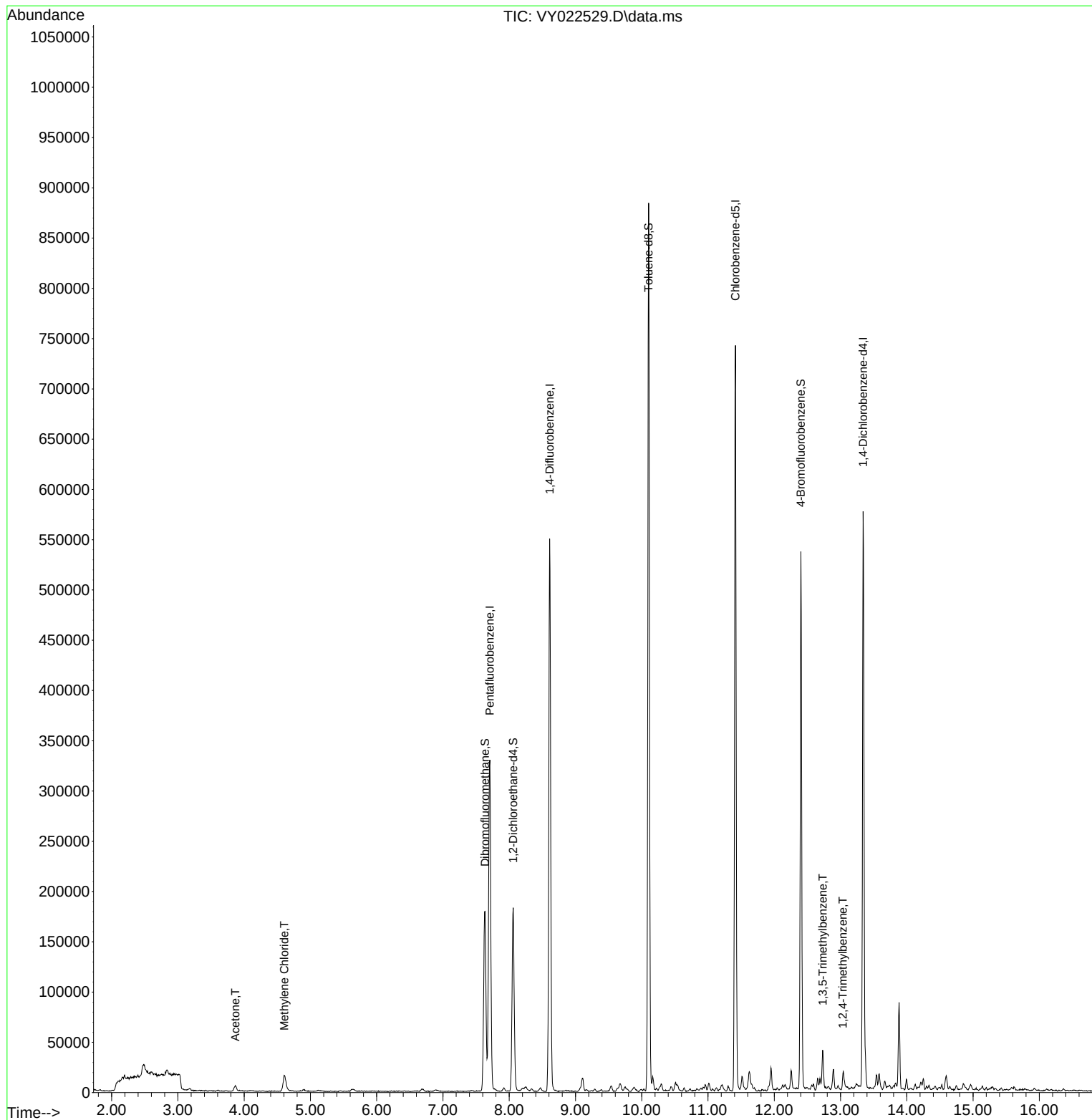
Internal Standards						
1) Pentafluorobenzene	7.707	168	245298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	450434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	364784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	132285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136701	49.827	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.660%
35) Dibromofluoromethane	7.634	113	125476	46.671	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.340%
50) Toluene-d8	10.103	98	540372	49.742	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.480%
62) 4-Bromofluorobenzene	12.402	95	139475	43.091	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.180%
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	8632	15.493	ug/l #	86
20) Methylene Chloride	4.604	84	10957	3.462	ug/l	92
80) 1,3,5-Trimethylbenzene	12.731	105	14508	1.702	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	9441	1.107	ug/l	92

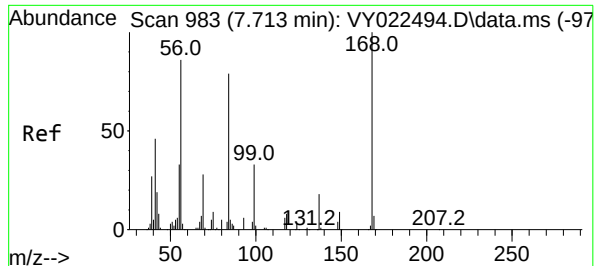
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022529.D
Acq On : 03 Jun 2025 17:45
Operator : SY/MD
Sample : Q2176-04
Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

Quant Time: Jun 04 04:16:08 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

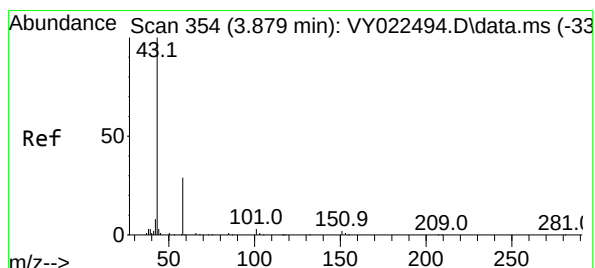
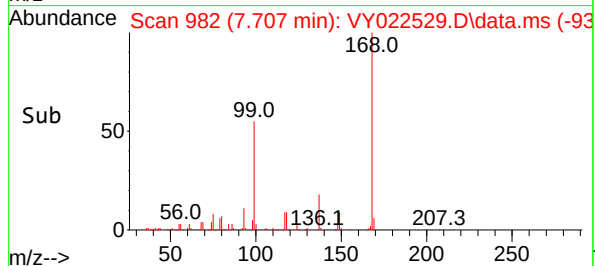
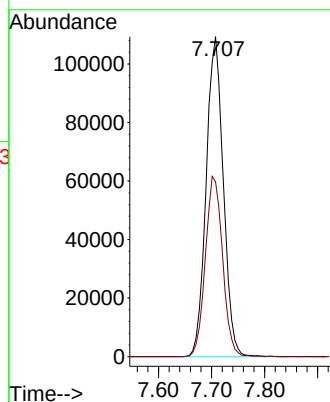
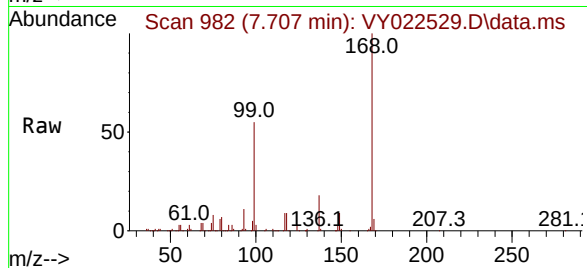




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

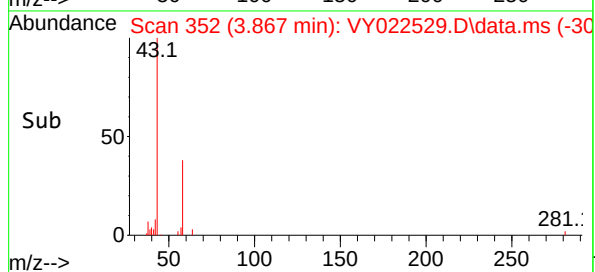
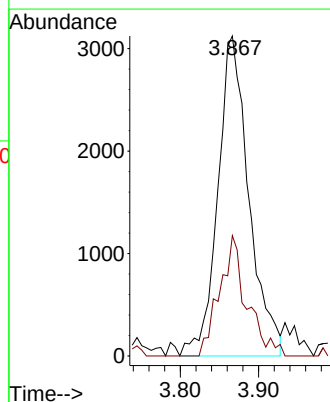
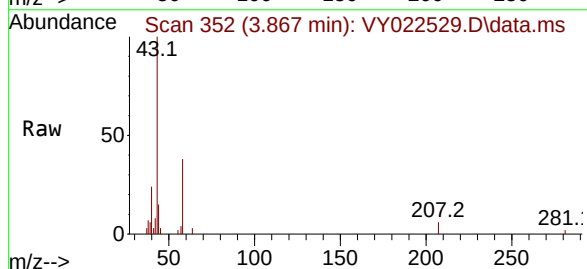
Instrument :
MSVOA_Y
ClientSampleId :
TP-26

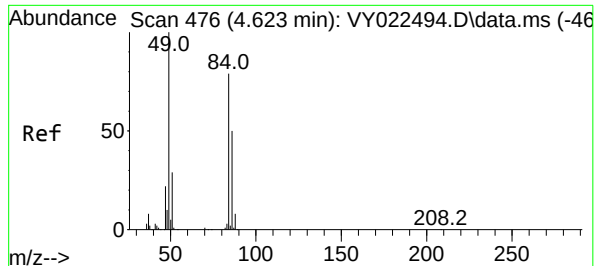
Tgt Ion:168 Resp: 245298
Ion Ratio Lower Upper
168 100
99 54.6 44.3 66.5



#16
Acetone
Concen: 15.493 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022529.D
Acq: 03 Jun 2025 17:45

Tgt Ion: 43 Resp: 8632
Ion Ratio Lower Upper
43 100
58 37.6 24.0 36.0#





#20

Methylene Chloride

Concen: 3.462 ug/l

RT: 4.604 min Scan# 41

Delta R.T. -0.018 min

Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

Instrument :

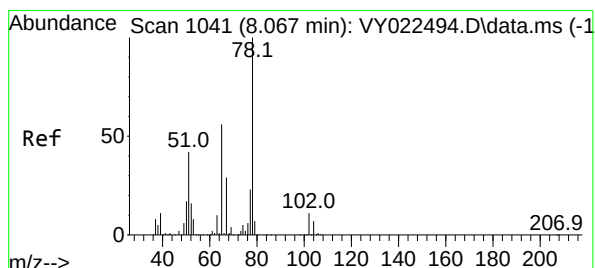
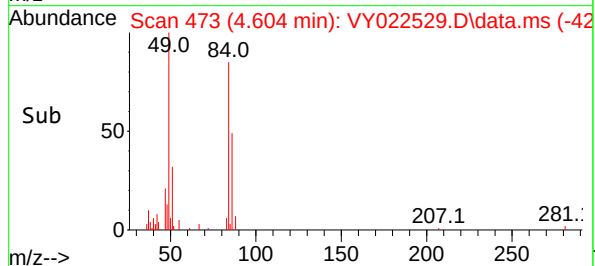
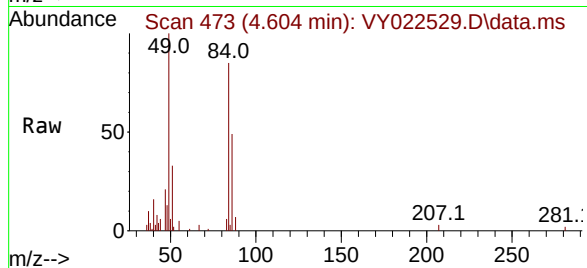
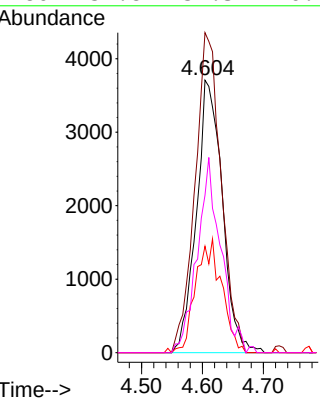
MSVOA_Y

ClientSampleId :

TP-26

Tgt Ion: 84 Resp: 10957

Ion	Ratio	Lower	Upper
84	100		
49	117.4	101.9	152.9
51	39.0	29.8	44.8
86	57.8	51.3	76.9



#33

1,2-Dichloroethane-d4

Concen: 49.827 ug/l

RT: 8.061 min Scan# 1040

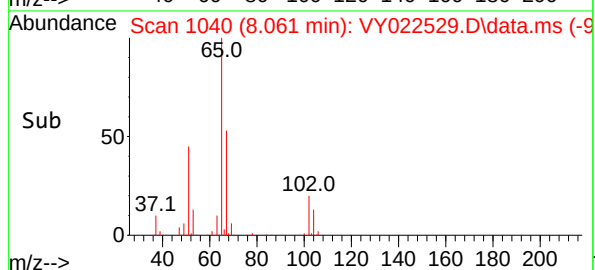
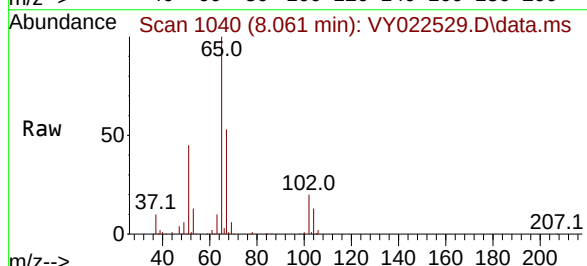
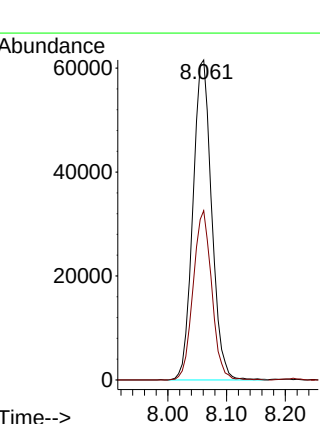
Delta R.T. -0.006 min

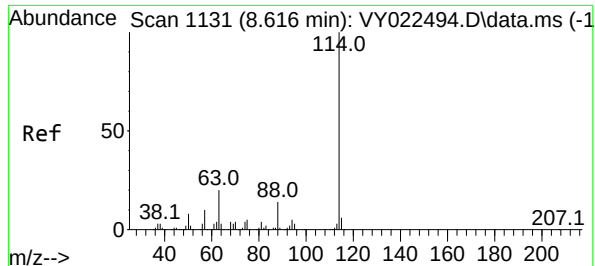
Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

Tgt Ion: 65 Resp: 136701

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-26

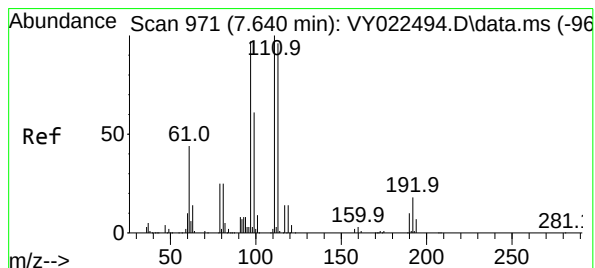
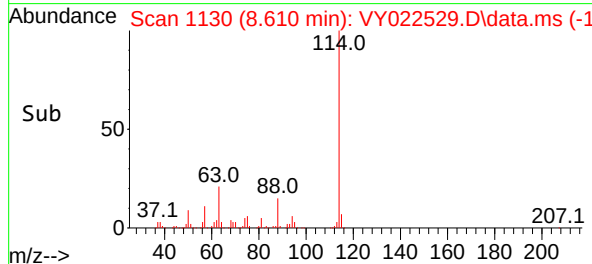
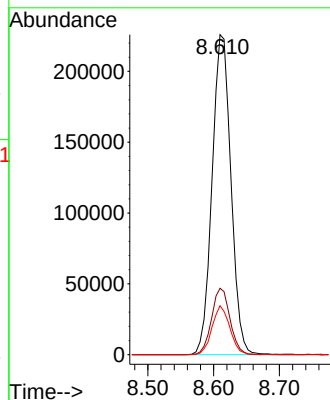
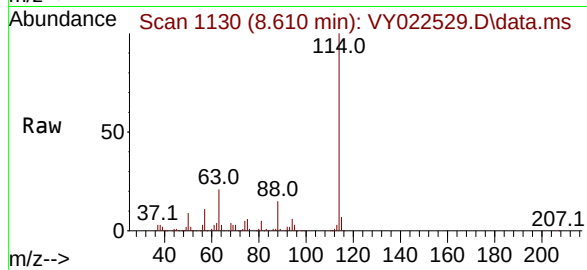
Tgt Ion:114 Resp: 450434

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 46.671 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

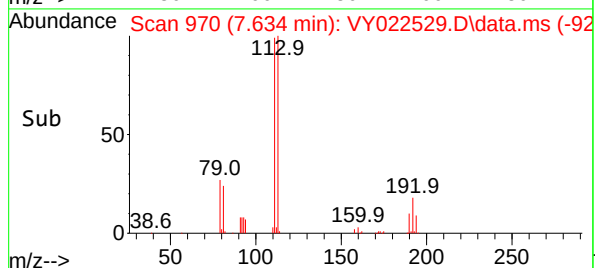
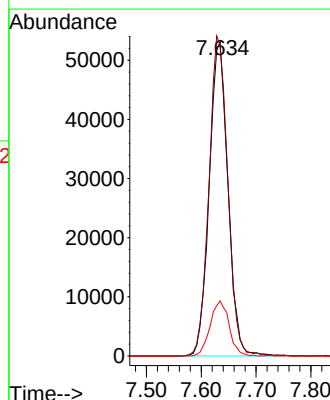
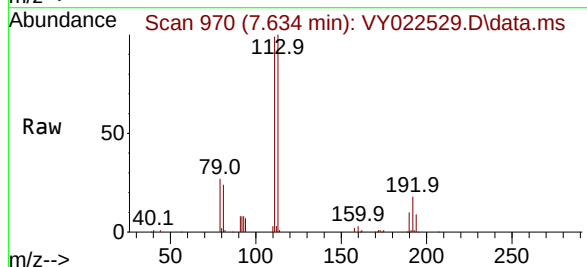
Tgt Ion:113 Resp: 125476

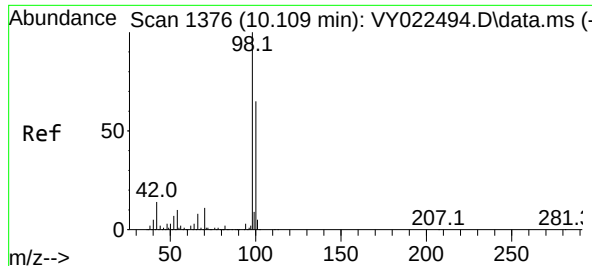
Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 17.7 14.2 21.2





#50

Toluene-d8

Concen: 49.742 ug/l

RT: 10.103 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

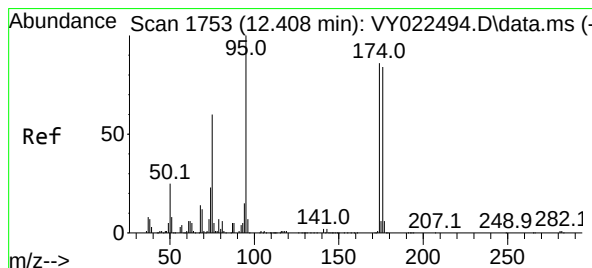
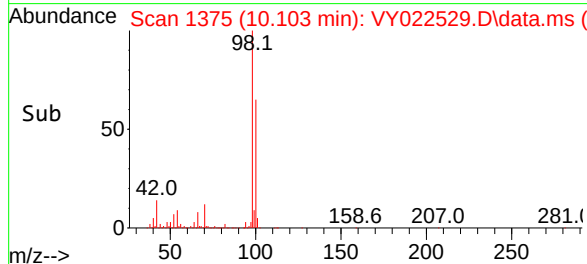
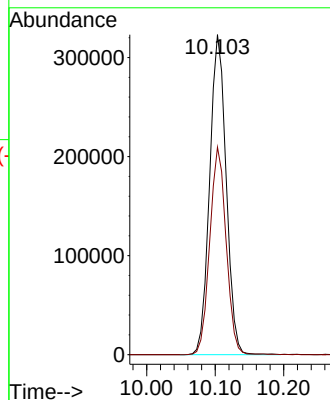
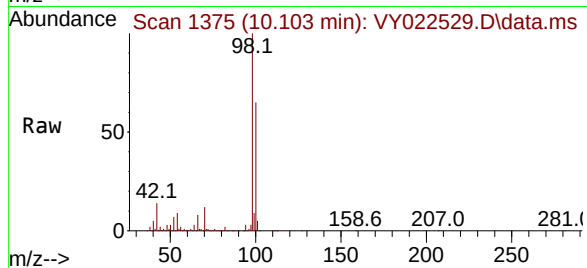
TP-26

Tgt Ion: 98 Resp: 540372

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 43.091 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

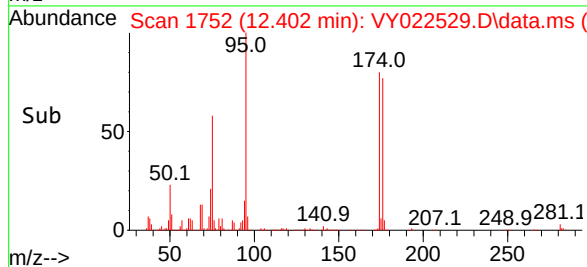
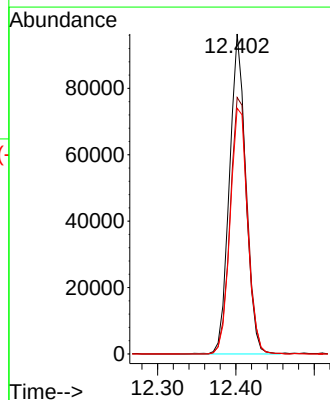
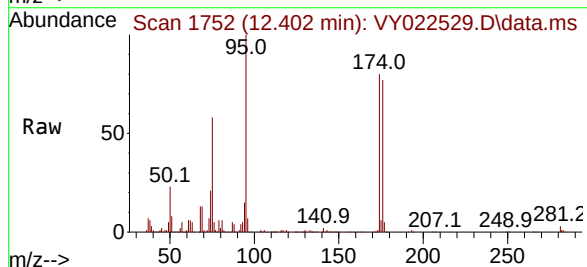
Tgt Ion: 95 Resp: 139475

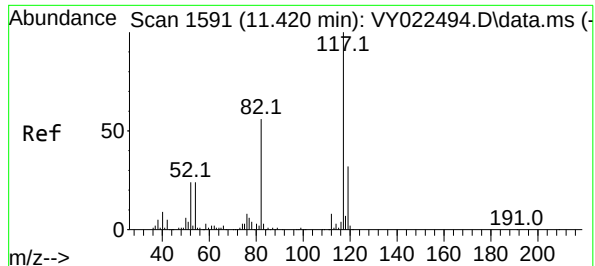
Ion Ratio Lower Upper

95 100

174 86.1 0.0 170.0

176 82.0 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: VY022529.D

Acq: 03 Jun 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-26

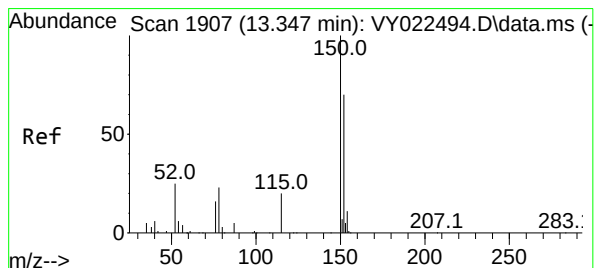
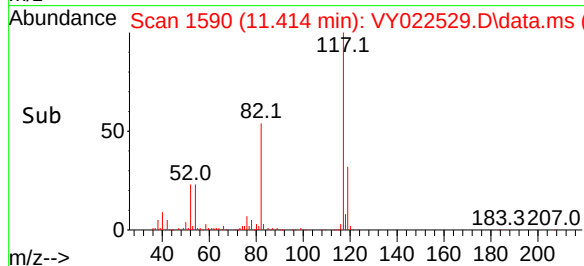
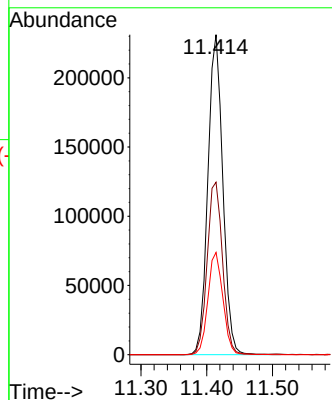
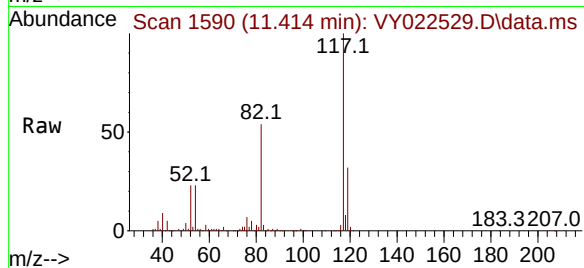
Tgt Ion:117 Resp: 364784

Ion Ratio Lower Upper

117 100

82 53.9 44.6 66.8

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

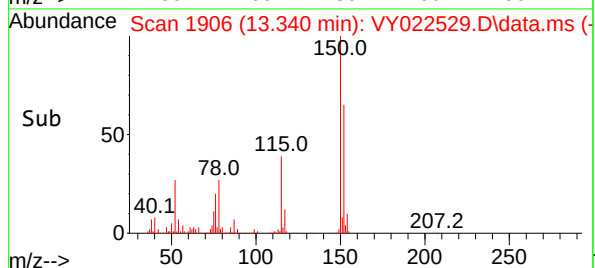
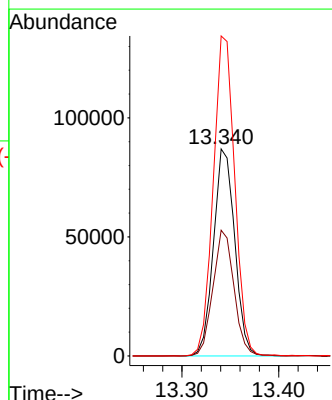
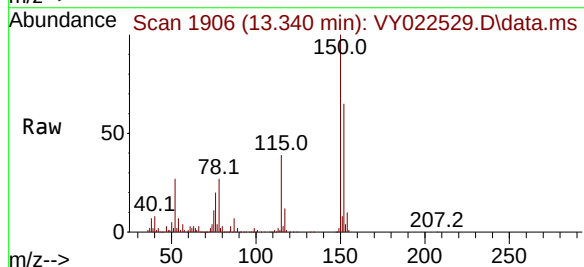
Tgt Ion:152 Resp: 132285

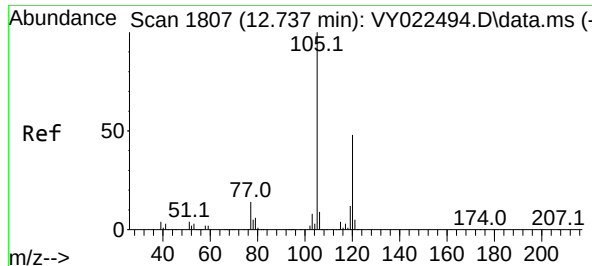
Ion Ratio Lower Upper

152 100

115 60.3 28.9 86.7

150 156.3 0.0 349.6





#80

1,3,5-Trimethylbenzene

Concen: 1.702 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VY022529.D

Acq: 03 Jun 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

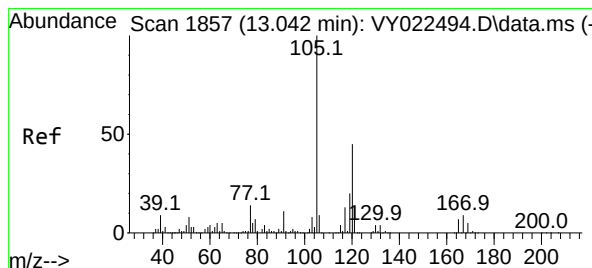
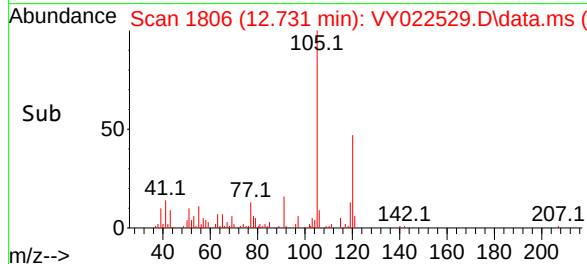
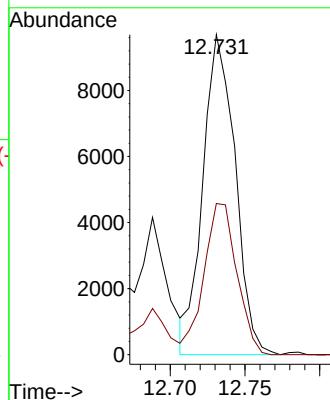
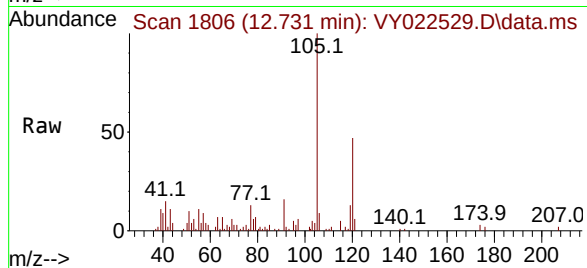
TP-26

Tgt Ion:105 Resp: 14508

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4



#84

1,2,4-Trimethylbenzene

Concen: 1.107 ug/l

RT: 13.036 min Scan# 1856

Delta R.T. -0.006 min

Lab File: VY022529.D

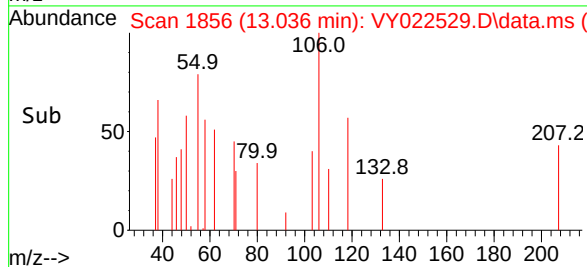
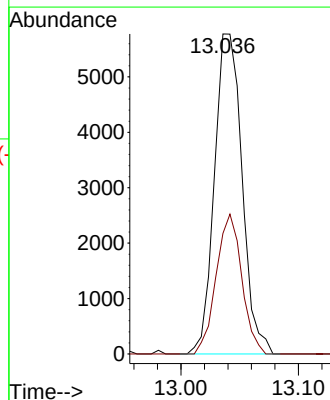
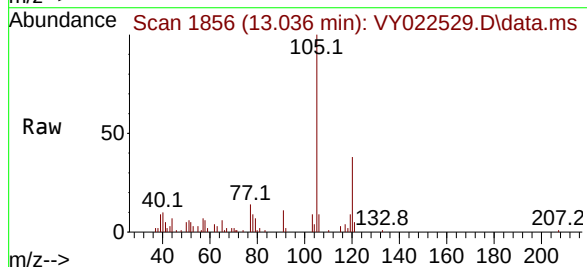
Acq: 03 Jun 2025 17:45

Tgt Ion:105 Resp: 9441

Ion Ratio Lower Upper

105 100

120 40.4 22.7 68.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022529.D
 Acq On : 03 Jun 2025 17:45
 Operator : SY/MD
 Sample : Q2176-04
 Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-26

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M

Title : SW846 8260

Signal : TIC: VY022529.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.099	51	62	65	rBV4	9418	31912	2.14%	0.403%
2	2.483	119	125	134	rBV3	9859	33442	2.25%	0.422%
3	3.867	341	352	361	rBV2	5702	15446	1.04%	0.195%
4	4.604	464	473	487	rBV3	16010	52346	3.51%	0.661%
5	7.634	957	970	975	rBV	178940	430991	28.94%	5.443%
6	7.707	975	982	992	rVB	327677	754404	50.65%	9.528%
7	8.061	1031	1040	1052	rBV2	182412	405180	27.20%	5.117%
8	8.610	1121	1130	1144	rBV	549861	1080580	72.55%	13.648%
9	9.103	1199	1211	1217	rBV4	13340	34879	2.34%	0.441%
10	9.670	1299	1304	1311	rVB3	6668	15797	1.06%	0.200%
11	10.103	1367	1375	1383	rBV	883290	1489373	100.00%	18.811%
12	10.164	1383	1385	1392	rVB	13365	19704	1.32%	0.249%
13	10.292	1398	1406	1413	rVB7	6804	16532	1.11%	0.209%
14	11.213	1552	1557	1567	rVB9	6435	16702	1.12%	0.211%
15	11.414	1582	1590	1601	rBV	741616	1200374	80.60%	15.161%
16	11.512	1601	1606	1616	rVV2	13190	26346	1.77%	0.333%
17	11.621	1616	1624	1636	rBV3	17625	48430	3.25%	0.612%
18	11.950	1667	1678	1685	rBV3	22908	47988	3.22%	0.606%
19	12.255	1722	1728	1735	rBV3	18393	29797	2.00%	0.376%
20	12.402	1745	1752	1762	rBV	534362	829497	55.69%	10.476%
21	12.652	1788	1793	1796	rBV4	11849	18806	1.26%	0.238%
22	12.731	1802	1806	1812	rVB2	37748	57778	3.88%	0.730%
23	12.895	1825	1833	1838	rBV	20059	35233	2.37%	0.445%
24	13.042	1851	1857	1865	rBV3	18211	38229	2.57%	0.483%
25	13.340	1900	1906	1917	rVB	573072	915961	61.50%	11.568%
26	13.542	1934	1939	1942	rBV3	12014	17565	1.18%	0.222%
27	13.584	1942	1946	1954	rVB2	15617	28265	1.90%	0.357%
28	13.670	1954	1960	1964	rBV6	8416	16068	1.08%	0.203%
29	13.883	1990	1995	2001	rVB2	85869	133111	8.94%	1.681%
30	13.993	2008	2013	2019	rBV2	10684	16311	1.10%	0.206%
31	14.249	2052	2055	2059	rVB2	10656	15035	1.01%	0.190%
32	14.596	2104	2112	2117	rBV6	13775	28305	1.90%	0.357%
33	14.852	2149	2154	2166	rVB6	6528	17334	1.16%	0.219%

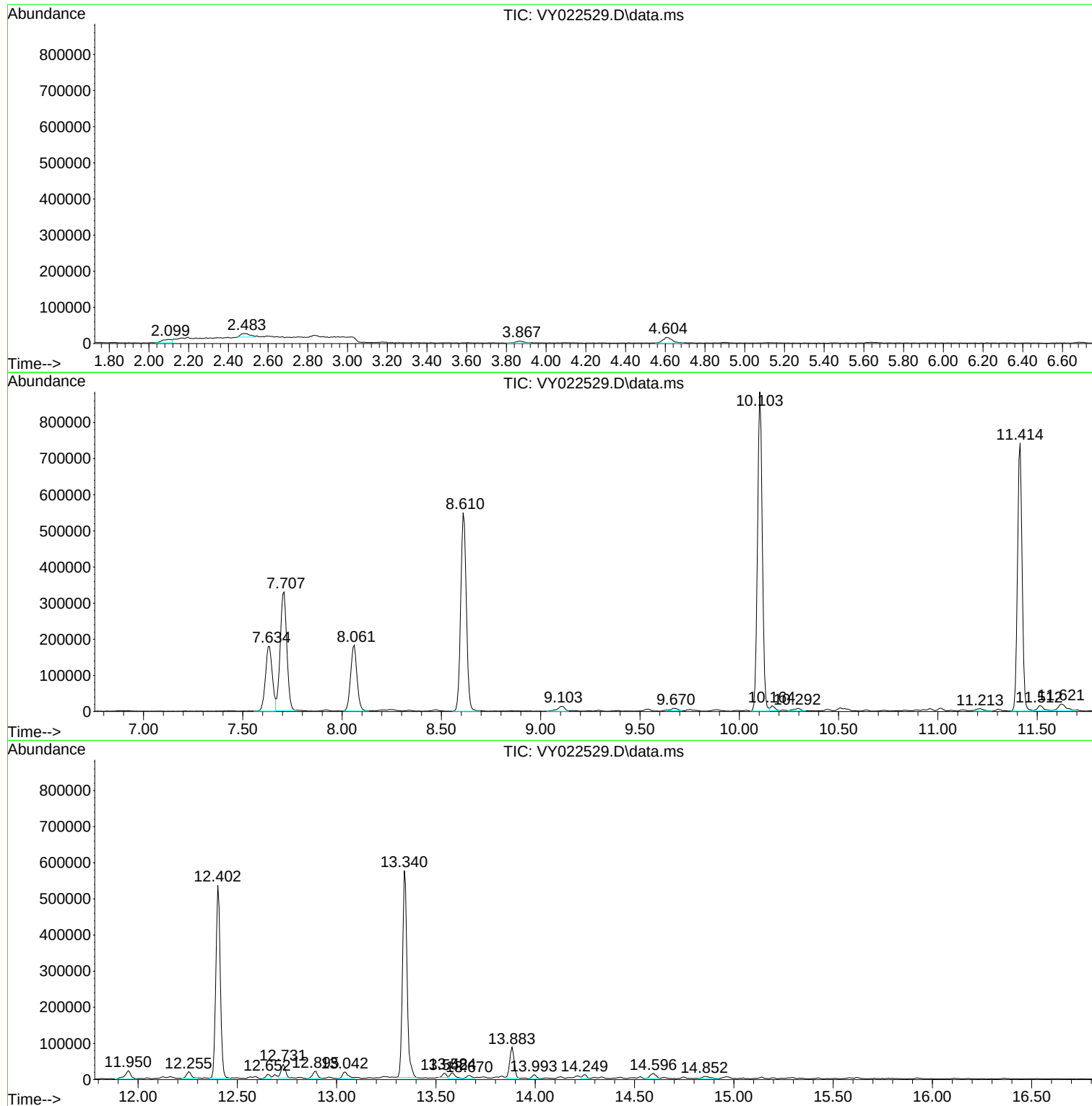
Sum of corrected areas: 7917721

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022529.D
Acq On : 03 Jun 2025 17:45
Operator : SY/MD
Sample : Q2176-04
Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022529.D
Acq On : 03 Jun 2025 17:45
Operator : SY/MD
Sample : Q2176-04
Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022529.D
Acq On : 03 Jun 2025 17:45
Operator : SY/MD
Sample : Q2176-04
Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-26

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.5
Sample Wt/Vol:	5.85 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
VY022530.D	1		06/03/25 18:09	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.70	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.70	ug/Kg
67-64-1	Acetone	4.50	U	4.50	23.6	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	4.70	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.70	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.70	ug/Kg
110-82-7	Cyclohexane	0.75	U	0.75	4.70	ug/Kg
78-93-3	2-Butanone	6.20	U	6.20	23.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	4.70	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.70	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	4.70	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.75	U	0.75	4.70	ug/Kg
79-01-6	Trichloroethene	0.76	U	0.76	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.86	U	0.86	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.74	U	0.74	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	23.6	ug/Kg
108-88-3	Toluene	0.74	U	0.74	4.70	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.5
Sample Wt/Vol:	5.85 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
VY022530.D	1		06/03/25 18:09	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.61	U	0.61	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.59	U	0.59	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	23.6	ug/Kg
124-48-1	Dibromochloromethane	0.82	U	0.82	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.83	U	0.83	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	4.70	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.40	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	4.70	ug/Kg
100-42-5	Styrene	0.67	U	0.67	4.70	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.8		17 - 146	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	288000	7.707			
540-36-3	1,4-Difluorobenzene	511000	8.609			
3114-55-4	Chlorobenzene-d5	401000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.5
Sample Wt/Vol:	5.85 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
VY022530.D	1		06/03/25 18:09	VY060325

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\VY060325\
 Data File : VY022530.D
 Acq On : 03 Jun 2025 18:09
 Operator : SY/MD
 Sample : Q2176-05
 Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-28

Quant Time: Jun 04 04:16:33 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	287774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	510573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	400841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141621	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147241	45.747	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.500%
35) Dibromofluoromethane	7.634	113	148611	48.765	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.520%
50) Toluene-d8	10.103	98	614930	49.938	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.401	95	149582	40.770	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.540%

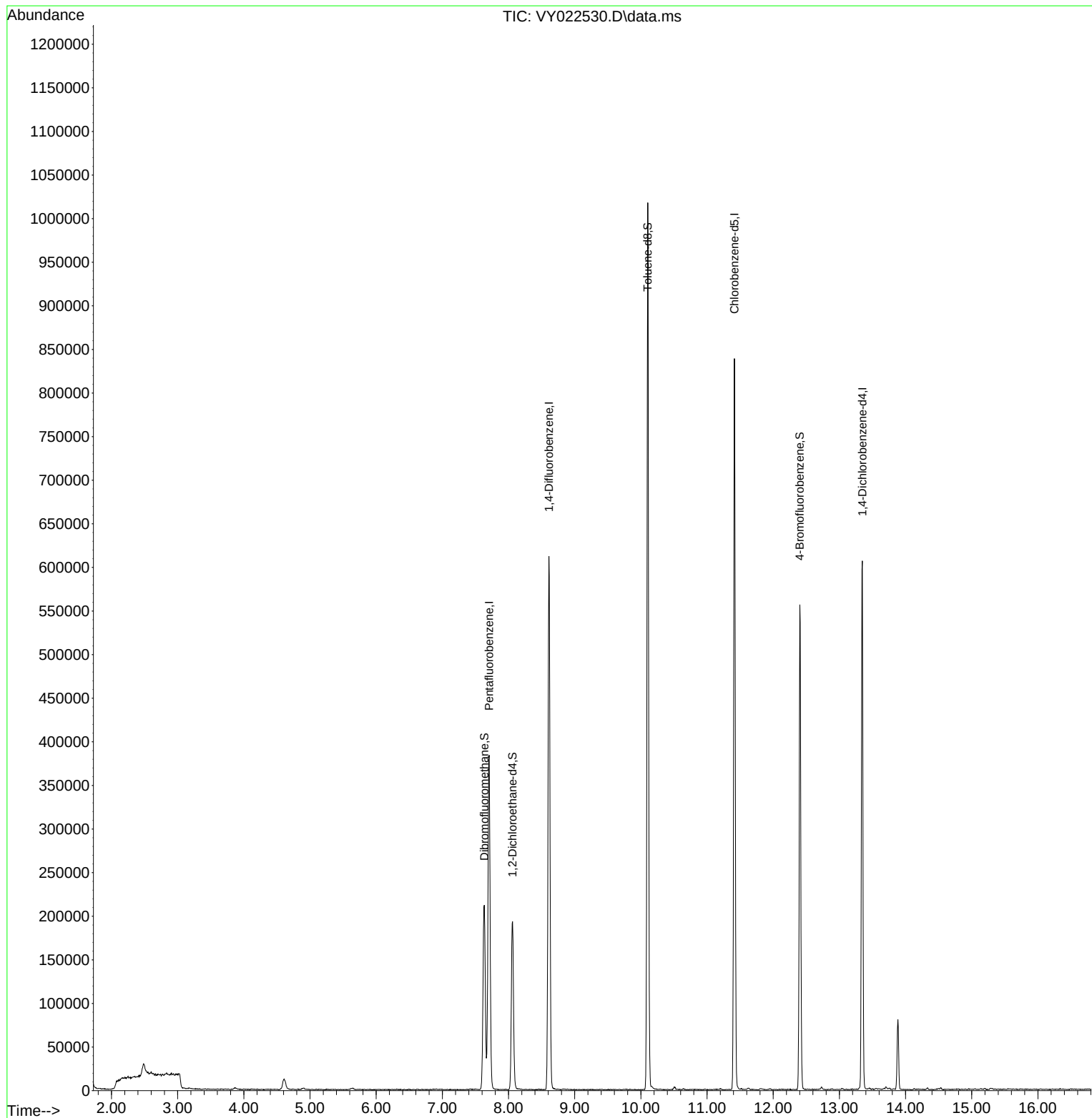
Target Compounds	Qvalue

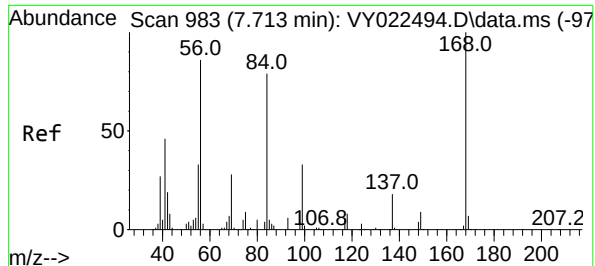
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022530.D
Acq On : 03 Jun 2025 18:09
Operator : SY/MD
Sample : Q2176-05
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Quant Time: Jun 04 04:16:33 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

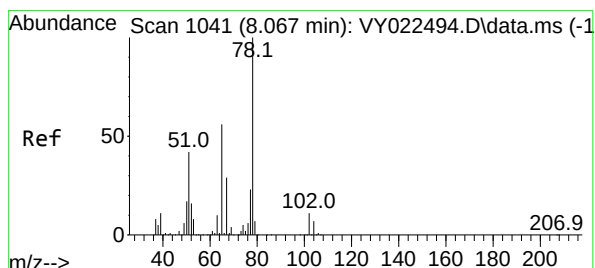
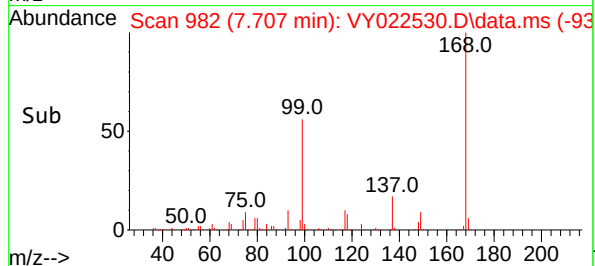
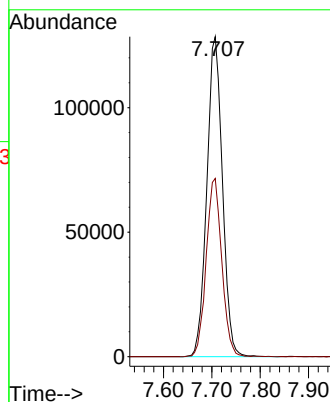
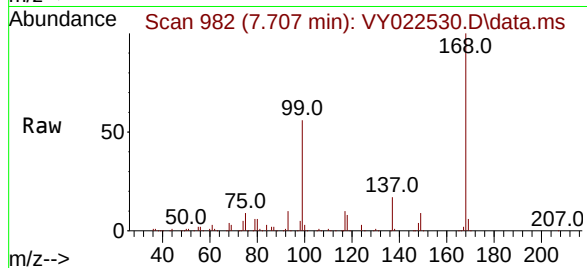




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

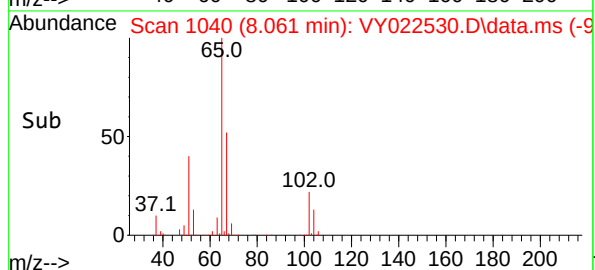
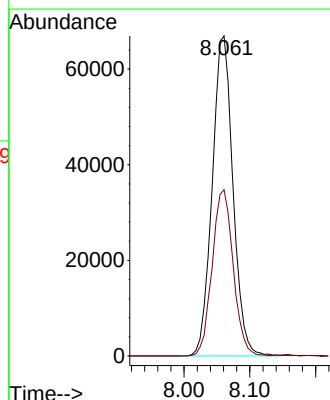
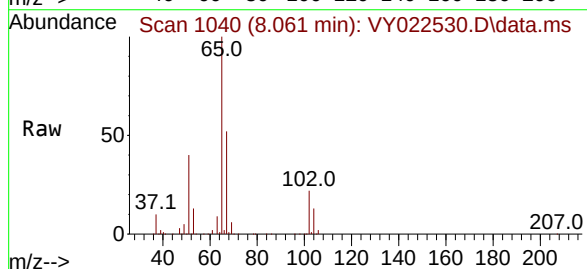
Instrument :
MSVOA_Y
ClientSampleId :
TP-28

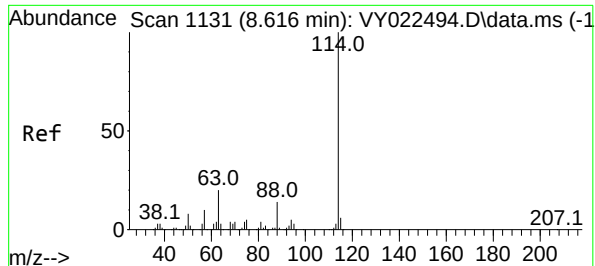
Tgt Ion:168 Resp: 287774
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 45.747 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion: 65 Resp: 147241
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022530.D

Acq: 03 Jun 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-28

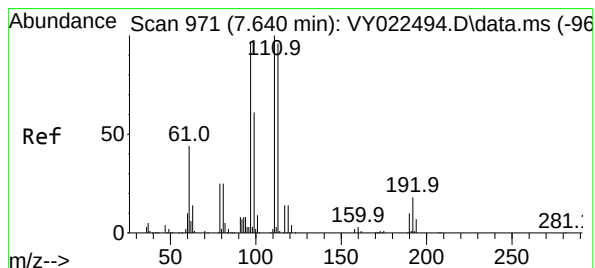
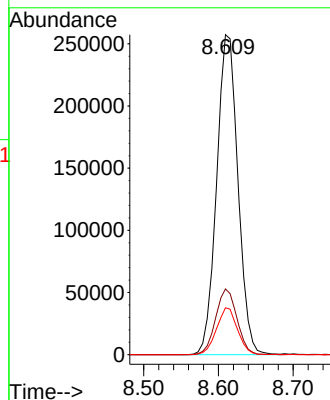
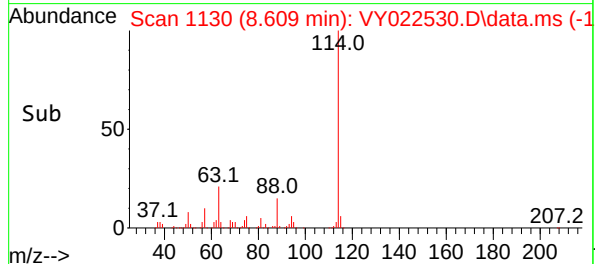
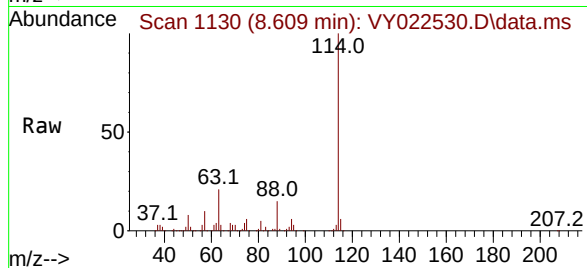
Tgt Ion:114 Resp: 510573

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 14.6 0.0 27.8



#35

Dibromofluoromethane

Concen: 48.765 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022530.D

Acq: 03 Jun 2025 18:09

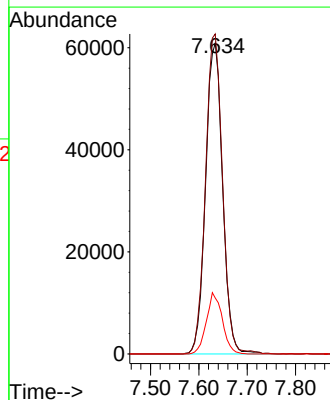
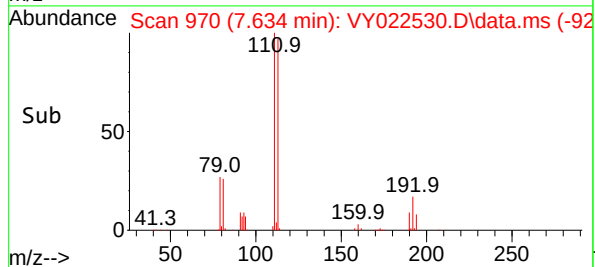
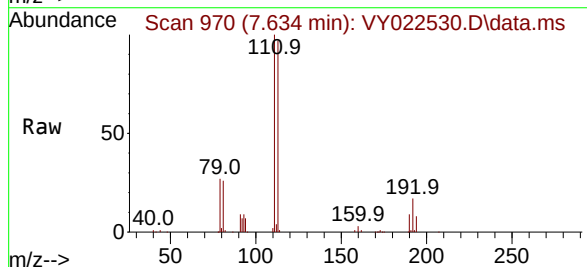
Tgt Ion:113 Resp: 148611

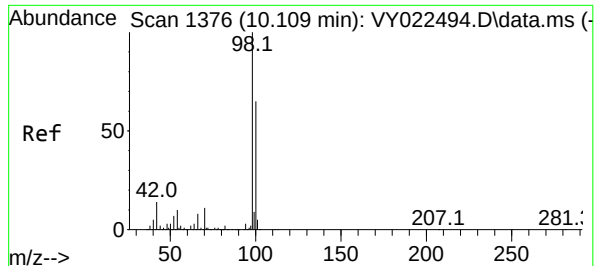
Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

192 18.5 14.2 21.2





#50

Toluene-d8

Concen: 49.938 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022530.D

Acq: 03 Jun 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

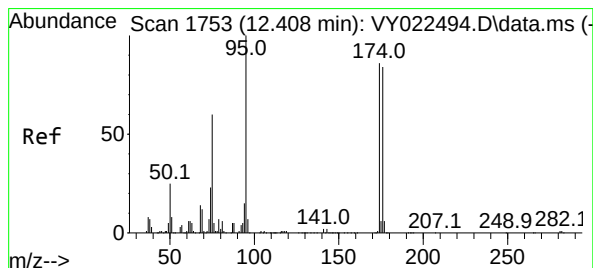
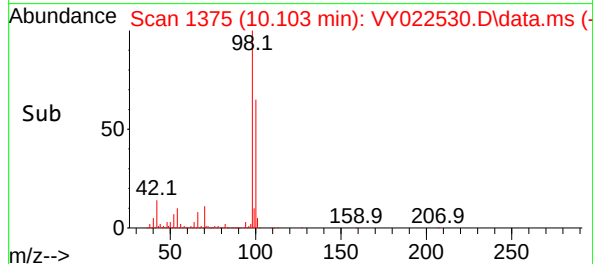
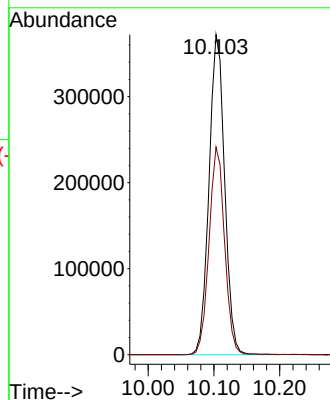
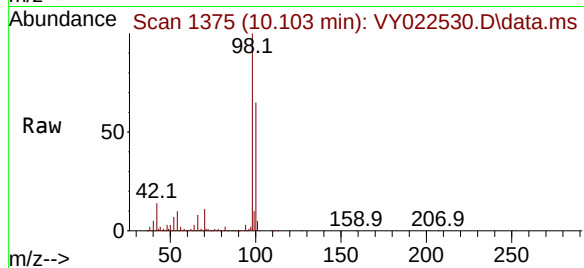
TP-28

Tgt Ion: 98 Resp: 614930

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 40.770 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022530.D

Acq: 03 Jun 2025 18:09

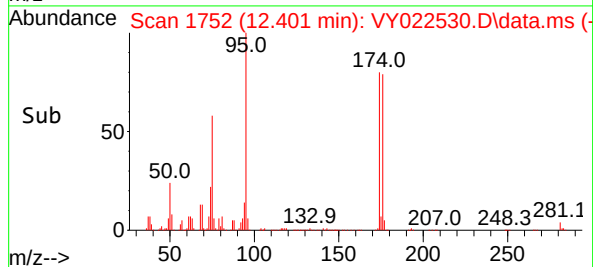
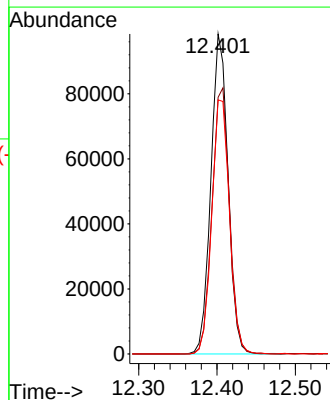
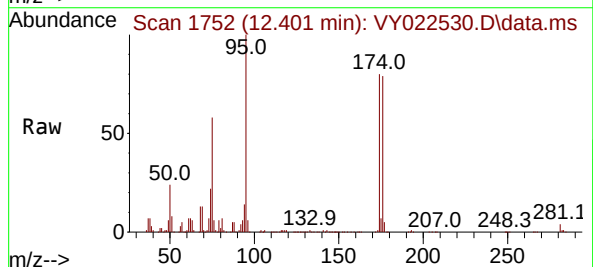
Tgt Ion: 95 Resp: 149582

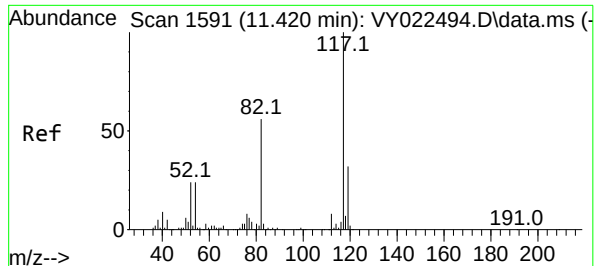
Ion Ratio Lower Upper

95 100

174 85.1 0.0 170.0

176 82.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022530.D

Acq: 03 Jun 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-28

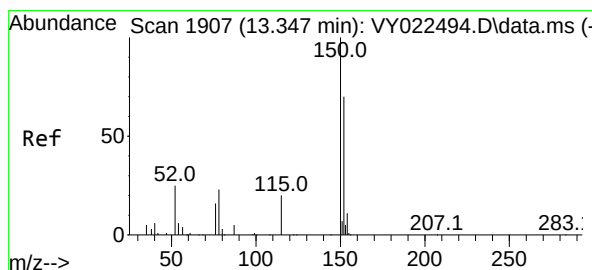
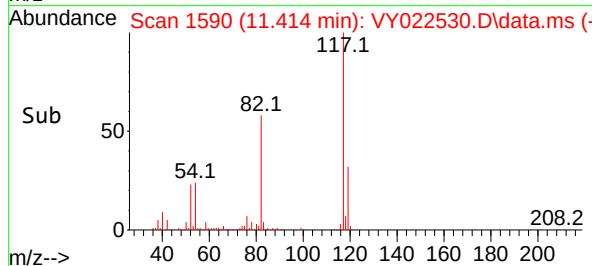
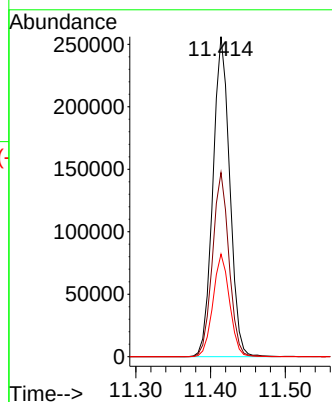
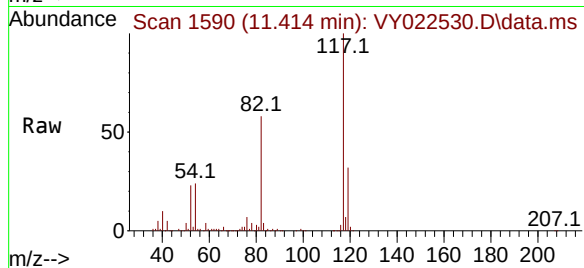
Tgt Ion:117 Resp: 400841

Ion Ratio Lower Upper

117 100

82 57.5 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: VY022530.D

Acq: 03 Jun 2025 18:09

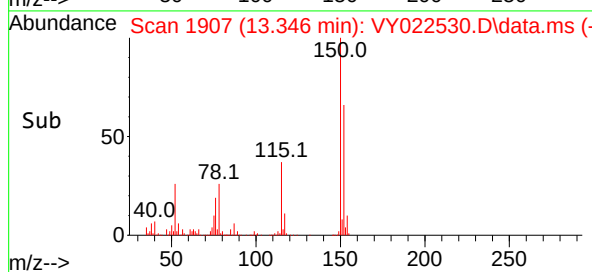
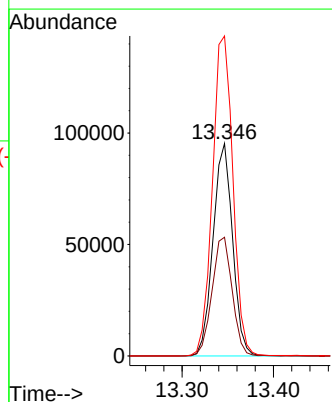
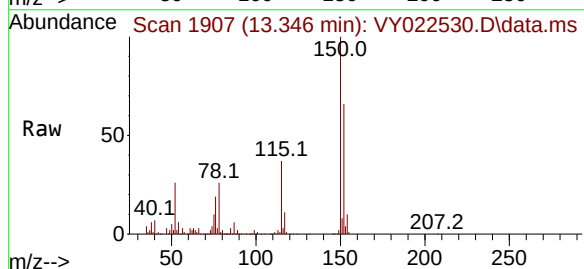
Tgt Ion:152 Resp: 141621

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

150 157.6 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022530.D
Acq On : 03 Jun 2025 18:09
Operator : SY/MD
Sample : Q2176-05
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M

Title : SW846 8260

Signal : TIC: VY022530.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.086	51	60	62	rBV2	9256	22469	1.35%	0.276%
2	2.482	118	125	135	rBV4	13964	48405	2.90%	0.595%
3	4.610	460	474	486	rBV2	12516	44083	2.64%	0.542%
4	7.634	957	970	975	rBV	211679	512279	30.67%	6.295%
5	7.707	975	982	995	rVB	383013	877470	52.54%	10.782%
6	8.061	1029	1040	1052	rBV	193080	447412	26.79%	5.498%
7	8.609	1121	1130	1148	rBV	611638	1220164	73.06%	14.993%
8	10.103	1367	1375	1383	rBV	1017219	1670073	100.00%	20.521%
9	11.414	1580	1590	1605	rBV	838377	1319183	78.99%	16.209%
10	12.401	1745	1752	1764	rBV	556205	904000	54.13%	11.108%
11	13.346	1896	1907	1916	rBV	606208	944175	56.53%	11.602%
12	13.883	1989	1995	2002	rBV2	80166	128628	7.70%	1.581%

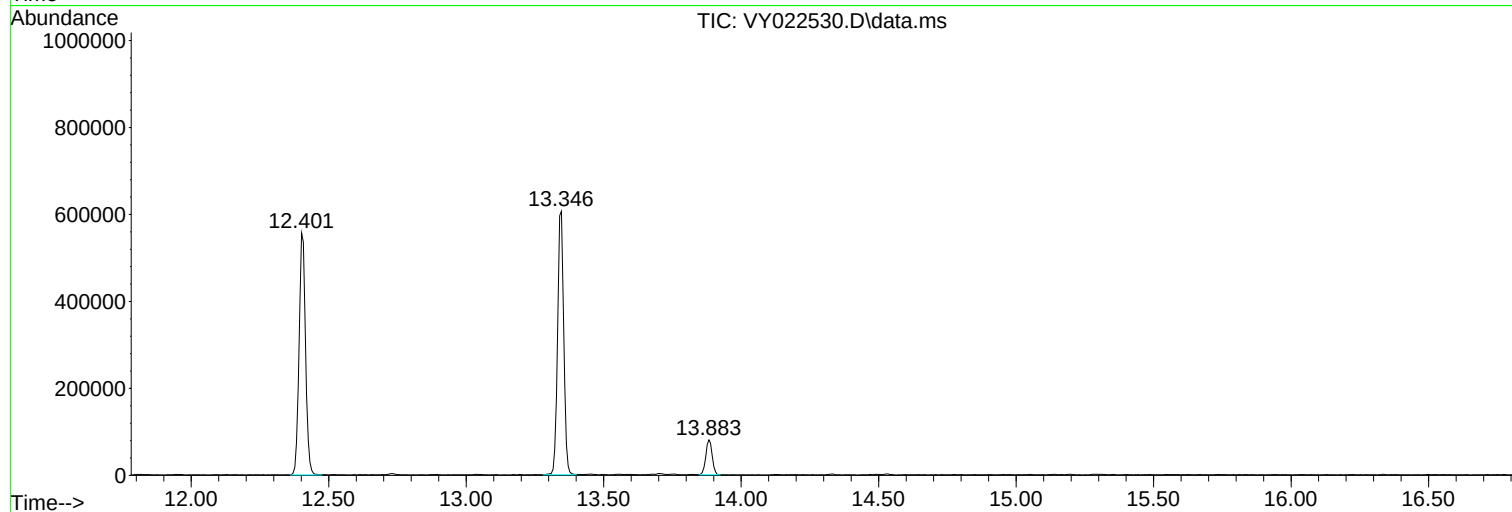
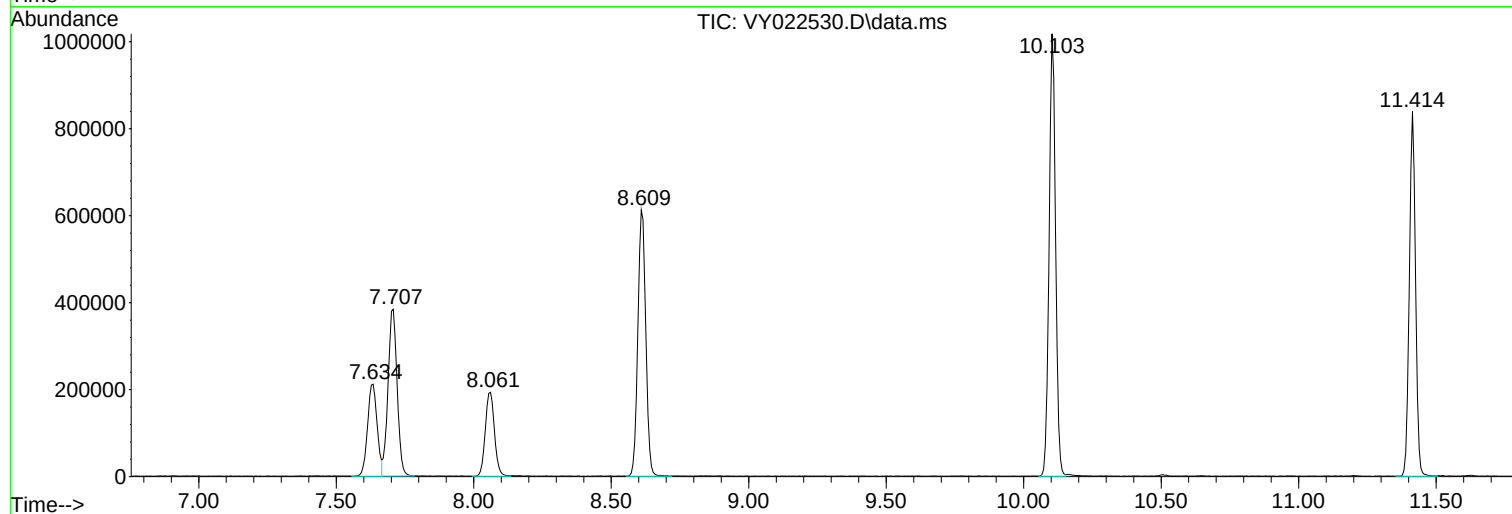
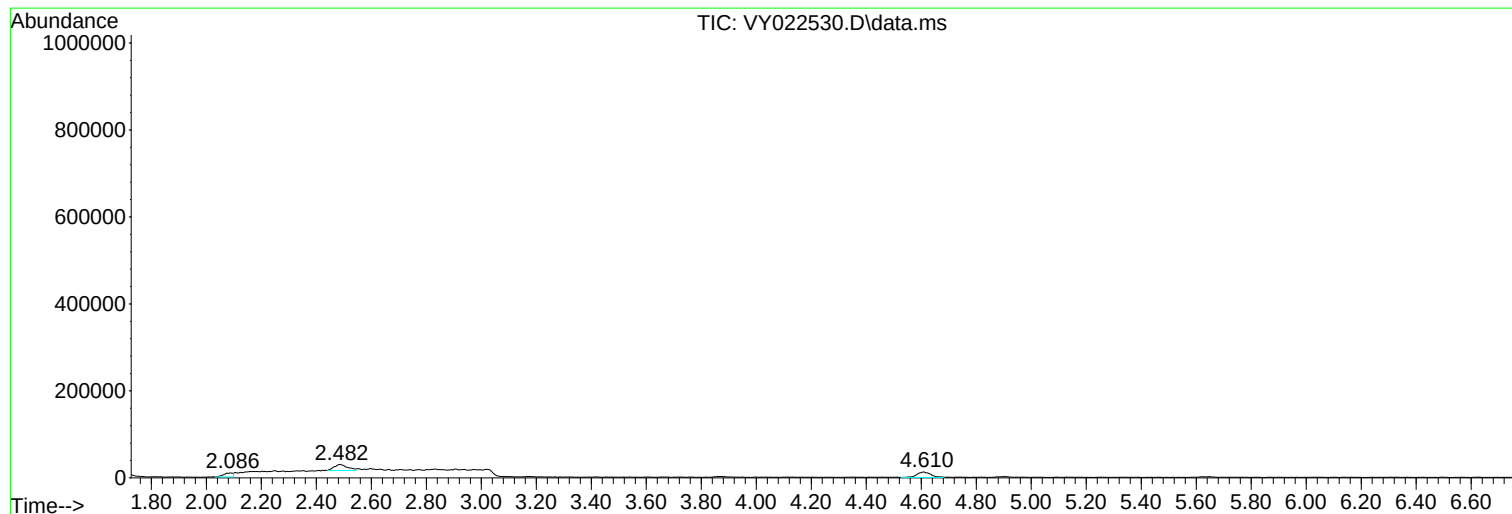
Sum of corrected areas: 8138341

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022530.D
Acq On : 03 Jun 2025 18:09
Operator : SY/MD
Sample : Q2176-05
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022530.D
Acq On : 03 Jun 2025 18:09
Operator : SY/MD
Sample : Q2176-05
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022530.D
Acq On : 03 Jun 2025 18:09
Operator : SY/MD
Sample : Q2176-05
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.1
Sample Wt/Vol:	6.48 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
VY022531.D	1		06/03/25 18:32	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.60	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.60	ug/Kg
75-01-4	Vinyl Chloride	0.73	U	0.73	4.60	ug/Kg
74-83-9	Bromomethane	0.99	U	0.99	4.60	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.98	U	0.98	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.60	ug/Kg
67-64-1	Acetone	4.40	U	4.40	23.2	ug/Kg
75-15-0	Carbon Disulfide	0.98	U	0.98	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.68	U	0.68	4.60	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.60	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.74	U	0.74	4.60	ug/Kg
110-82-7	Cyclohexane	0.73	U	0.73	4.60	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	23.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.90	U	0.90	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.70	U	0.70	4.60	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.60	ug/Kg
67-66-3	Chloroform	0.78	U	0.78	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.86	U	0.86	4.60	ug/Kg
108-87-2	Methylcyclohexane	0.84	U	0.84	4.60	ug/Kg
71-43-2	Benzene	0.73	U	0.73	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.73	U	0.73	4.60	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.84	U	0.84	4.60	ug/Kg
75-27-4	Bromodichloromethane	0.72	U	0.72	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	23.2	ug/Kg
108-88-3	Toluene	0.72	U	0.72	4.60	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.1
Sample Wt/Vol:	6.48	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
VY022531.D	1		06/03/25 18:32	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.58	U	0.58	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.85	U	0.85	4.60	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	23.2	ug/Kg
124-48-1	Dibromochloromethane	0.81	U	0.81	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.82	U	0.82	4.60	ug/Kg
127-18-4	Tetrachloroethene	0.97	U	0.97	4.60	ug/Kg
108-90-7	Chlorobenzene	0.84	U	0.84	4.60	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	4.60	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.30	ug/Kg
95-47-6	o-Xylene	0.76	U	0.76	4.60	ug/Kg
100-42-5	Styrene	0.66	U	0.66	4.60	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	4.60	ug/Kg
98-82-8	Isopropylbenzene	0.72	U	0.72	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	49.8		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.1		17 - 146	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245000	7.707			
540-36-3	1,4-Difluorobenzene	454000	8.609			
3114-55-4	Chlorobenzene-d5	362000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.1
Sample Wt/Vol:	6.48	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
VY022531.D	1		06/03/25 18:32	VY060325

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\VY060325\
 Data File : VY022531.D
 Acq On : 03 Jun 2025 18:32
 Operator : SY/MD
 Sample : Q2176-06
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-27

Quant Time: Jun 04 04:16:54 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	244909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	453751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	362219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131513	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137676	50.262	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.520%
35) Dibromofluoromethane	7.634	113	137051	50.603	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.200%
50) Toluene-d8	10.103	98	544497	49.755	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.520%
62) 4-Bromofluorobenzene	12.401	95	137400	42.140	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.280%

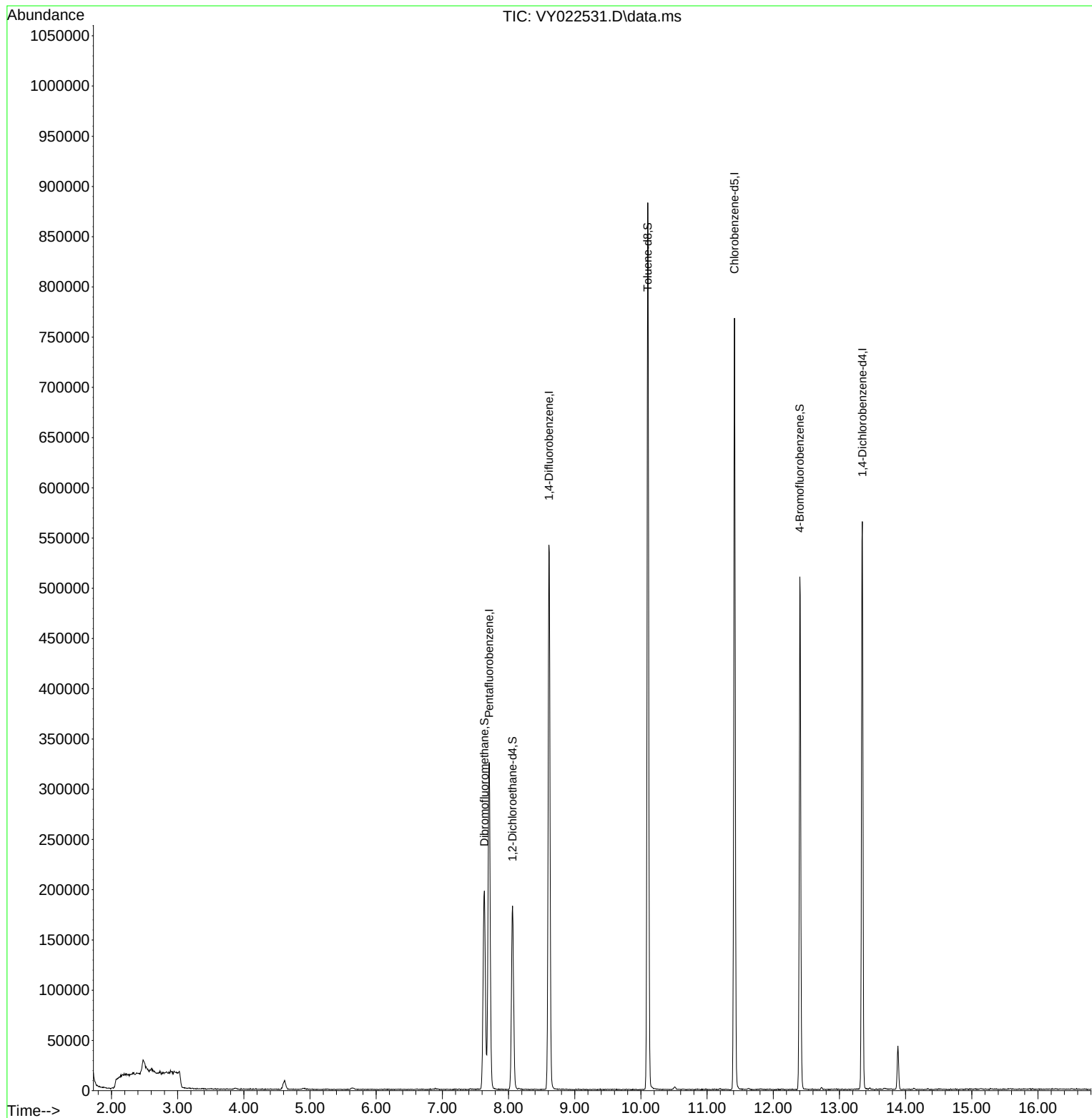
Target Compounds	Qvalue

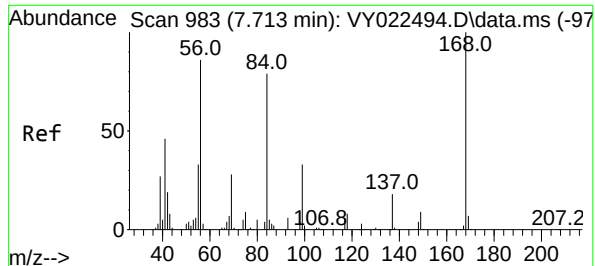
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022531.D
Acq On : 03 Jun 2025 18:32
Operator : SY/MD
Sample : Q2176-06
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

Quant Time: Jun 04 04:16:54 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

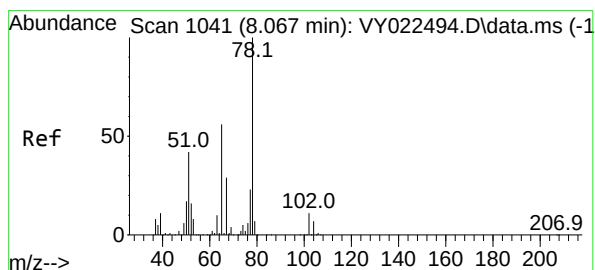
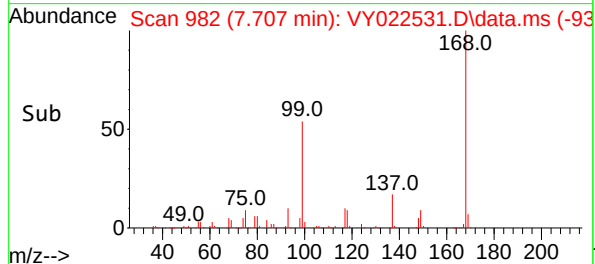
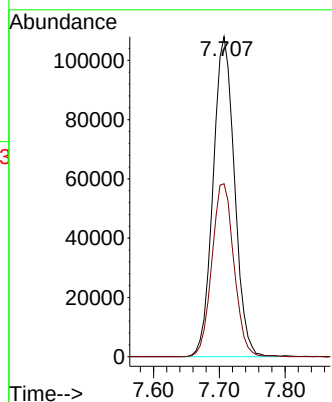
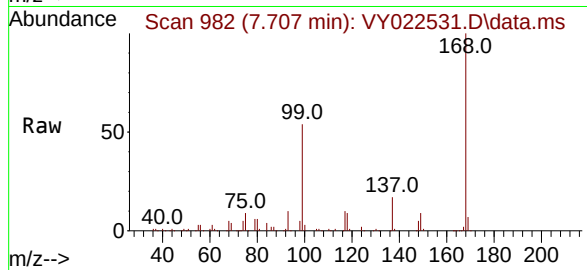




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

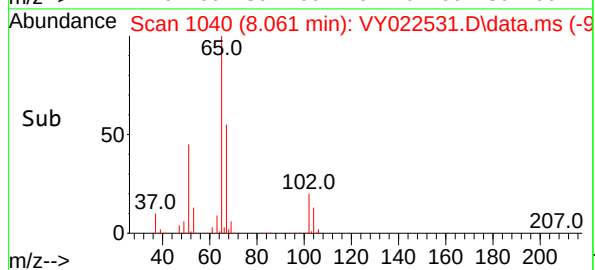
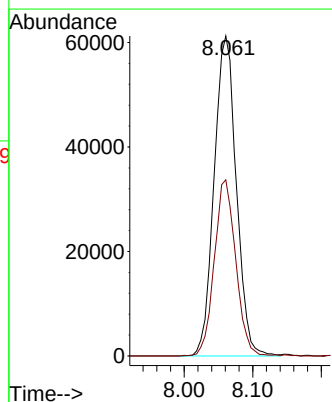
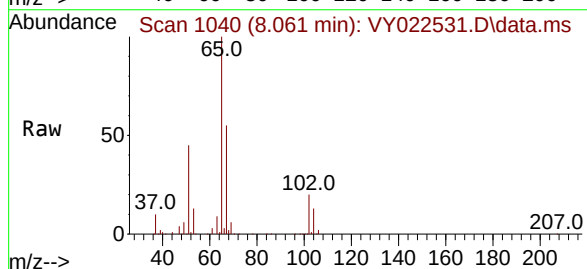
Instrument :
MSVOA_Y
ClientSampleId :
TP-27

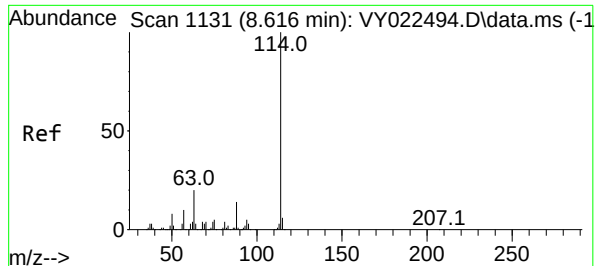
Tgt Ion:168 Resp: 244909
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 50.262 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022531.D
Acq: 03 Jun 2025 18:32

Tgt Ion: 65 Resp: 137676
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022531.D

Acq: 03 Jun 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-27

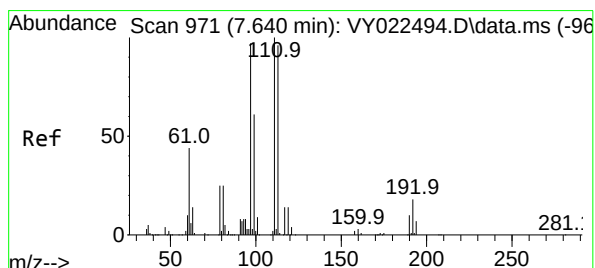
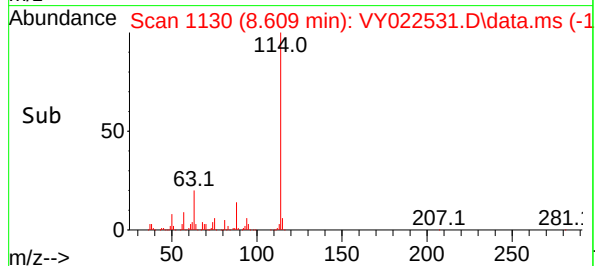
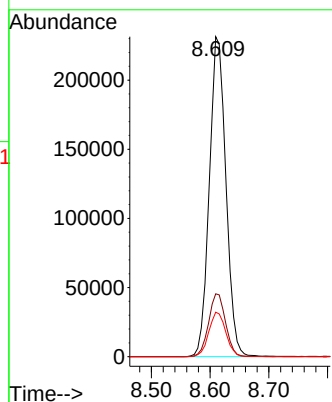
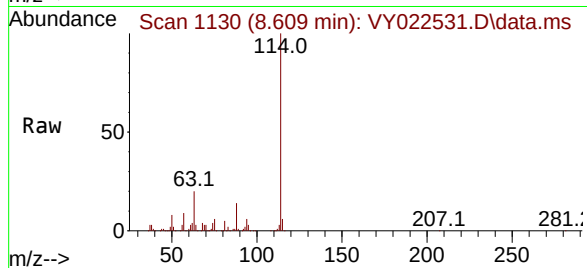
Tgt Ion:114 Resp: 453751

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 13.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.603 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022531.D

Acq: 03 Jun 2025 18:32

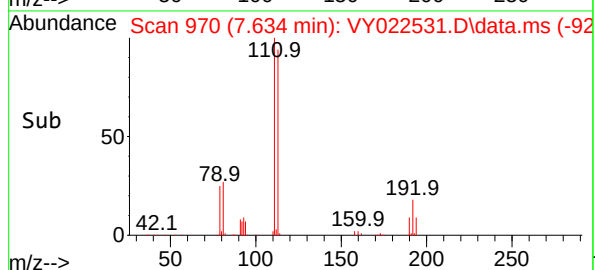
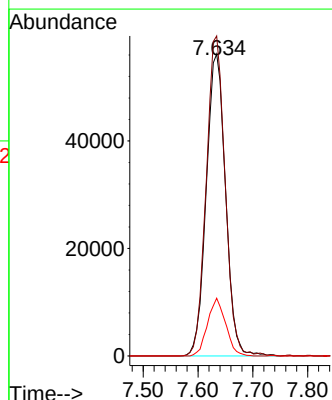
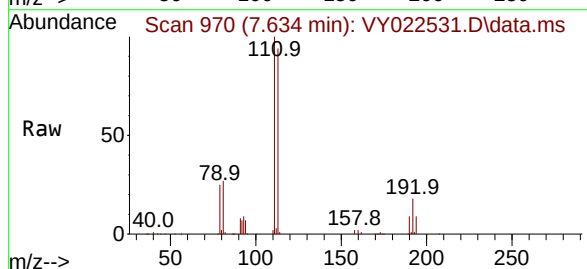
Tgt Ion:113 Resp: 137051

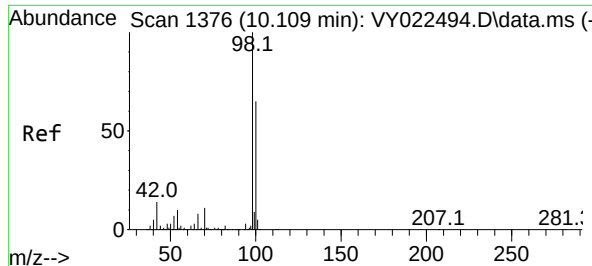
Ion Ratio Lower Upper

113 100

111 104.0 81.1 121.7

192 18.0 14.2 21.2





#50

Toluene-d8

Concen: 49.755 ug/l

RT: 10.103 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022531.D

Acq: 03 Jun 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

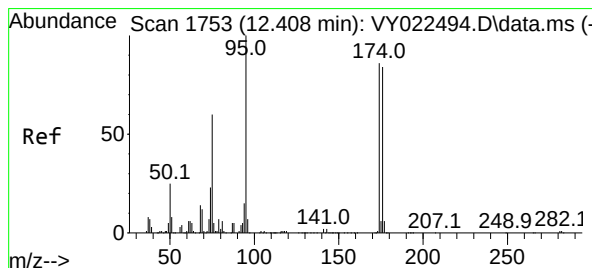
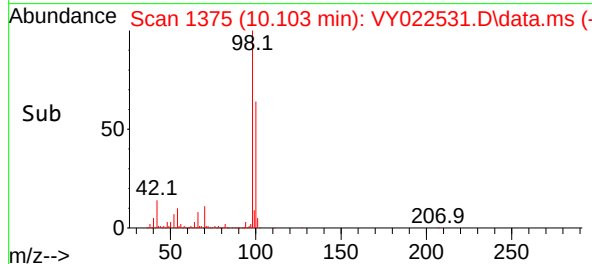
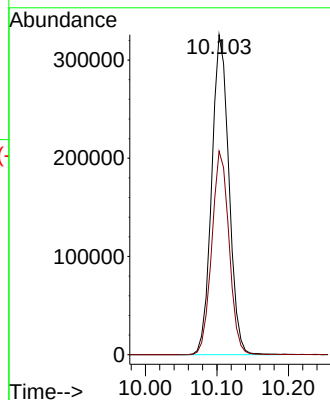
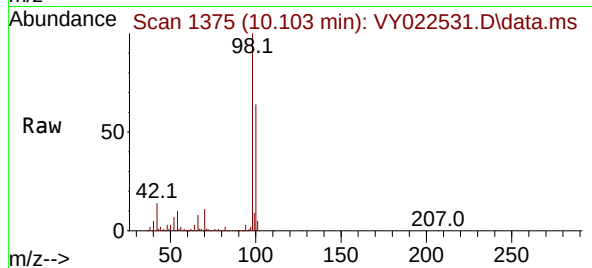
TP-27

Tgt Ion: 98 Resp: 544497

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 42.140 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022531.D

Acq: 03 Jun 2025 18:32

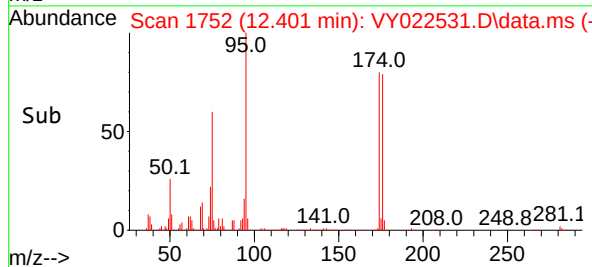
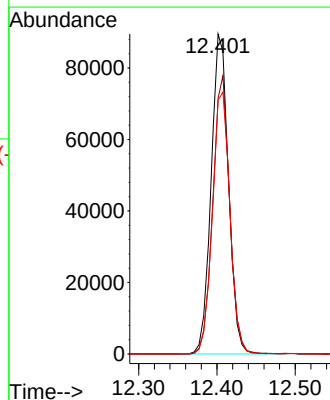
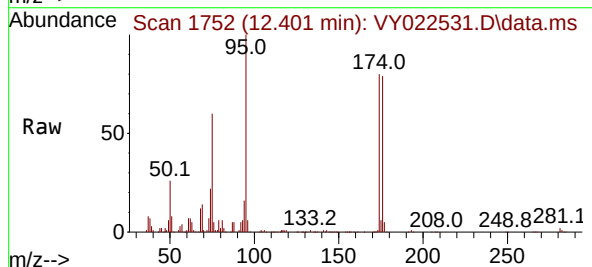
Tgt Ion: 95 Resp: 137400

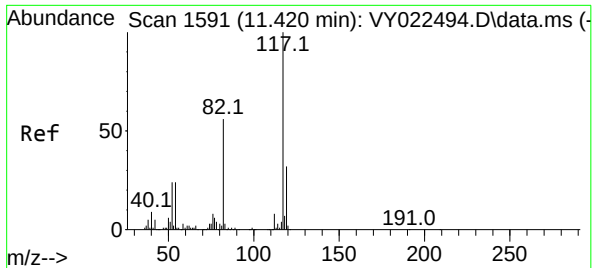
Ion Ratio Lower Upper

95 100

174 84.9 0.0 170.0

176 82.9 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: VY022531.D

Acq: 03 Jun 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-27

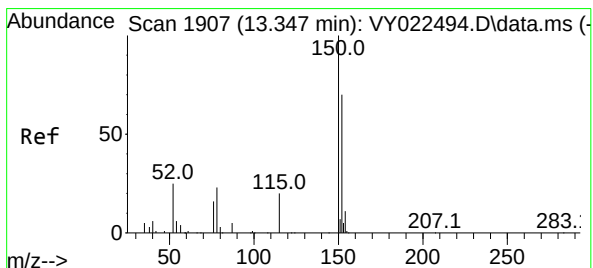
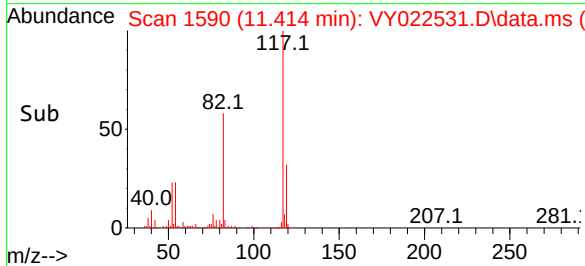
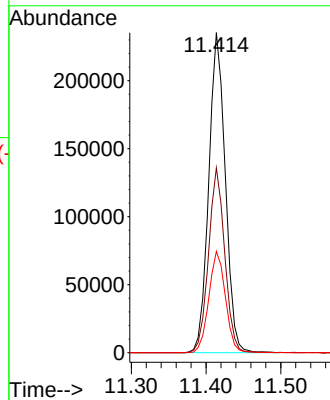
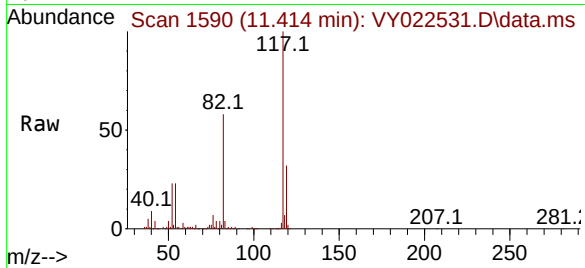
Tgt Ion:117 Resp: 362219

Ion Ratio Lower Upper

117 100

82 57.7 44.6 66.8

119 31.6 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: VY022531.D

Acq: 03 Jun 2025 18:32

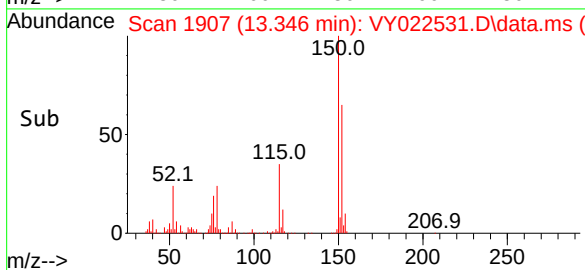
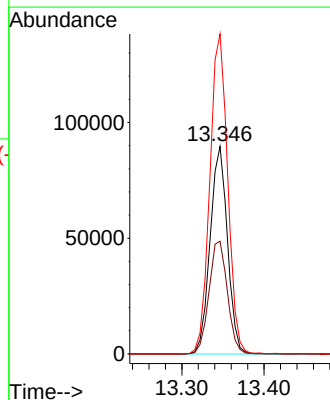
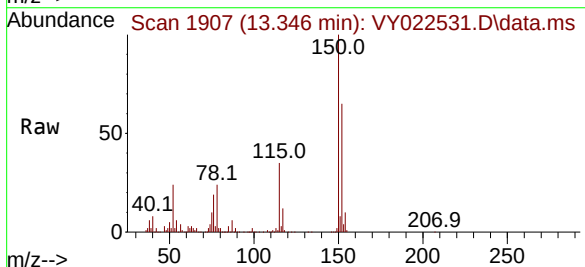
Tgt Ion:152 Resp: 131513

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

150 158.3 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022531.D
 Acq On : 03 Jun 2025 18:32
 Operator : SY/MD
 Sample : Q2176-06
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-27

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M

Title : SW846 8260

Signal : TIC: VY022531.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	50	58	59	rBV2	9210	15903	1.08%	0.221%
2	2.476	120	124	130	rBV3	9710	22404	1.52%	0.311%
3	4.616	468	475	483	rVB6	8886	24116	1.63%	0.335%
4	7.634	958	970	976	rBV	197647	481233	32.56%	6.683%
5	7.707	976	982	993	rVB	324768	740676	50.11%	10.287%
6	8.061	1030	1040	1053	rBV2	182748	412966	27.94%	5.735%
7	8.609	1121	1130	1143	rBV	541674	1077233	72.89%	14.961%
8	10.103	1368	1375	1389	rBV	882334	1477982	100.00%	20.526%
9	11.414	1582	1590	1603	rBV	767898	1195374	80.88%	16.601%
10	12.401	1744	1752	1761	rBV	510805	811496	54.91%	11.270%
11	13.346	1898	1907	1916	rBV	565179	872207	59.01%	12.113%
12	13.883	1986	1995	2004	rVB	43520	68858	4.66%	0.956%

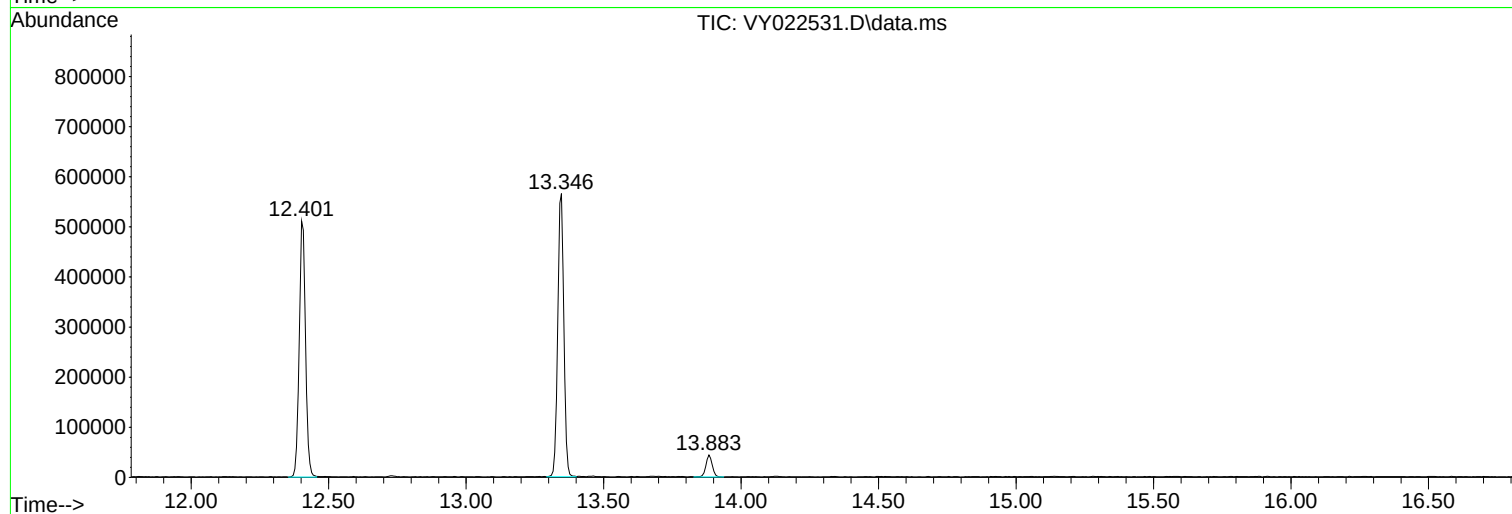
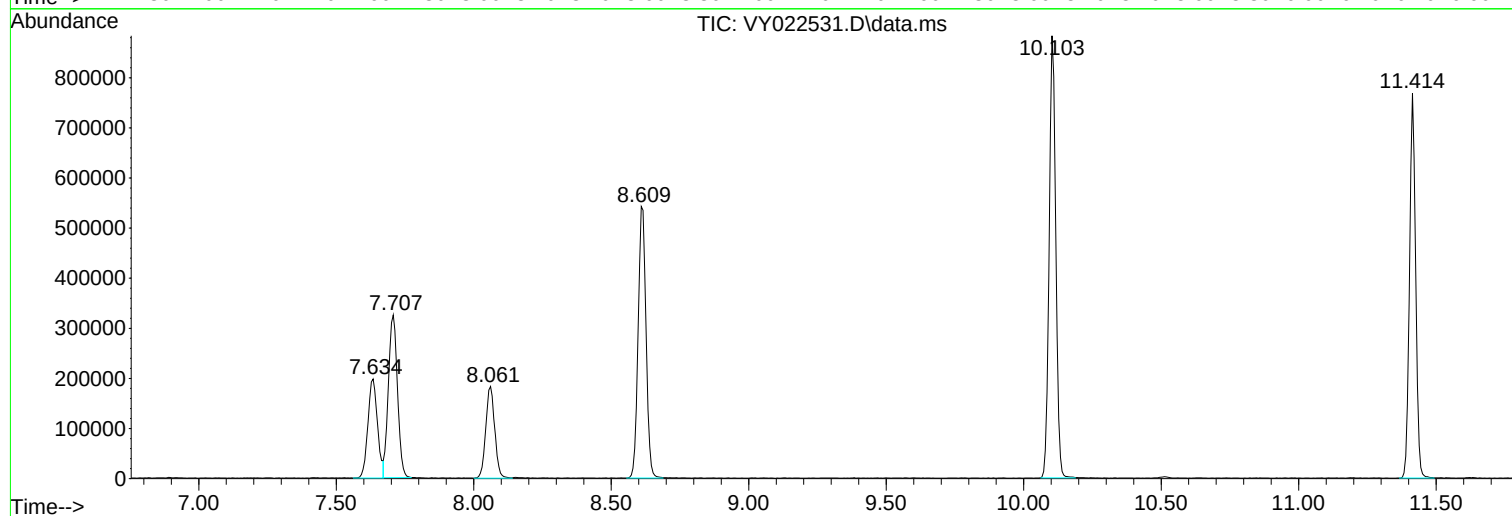
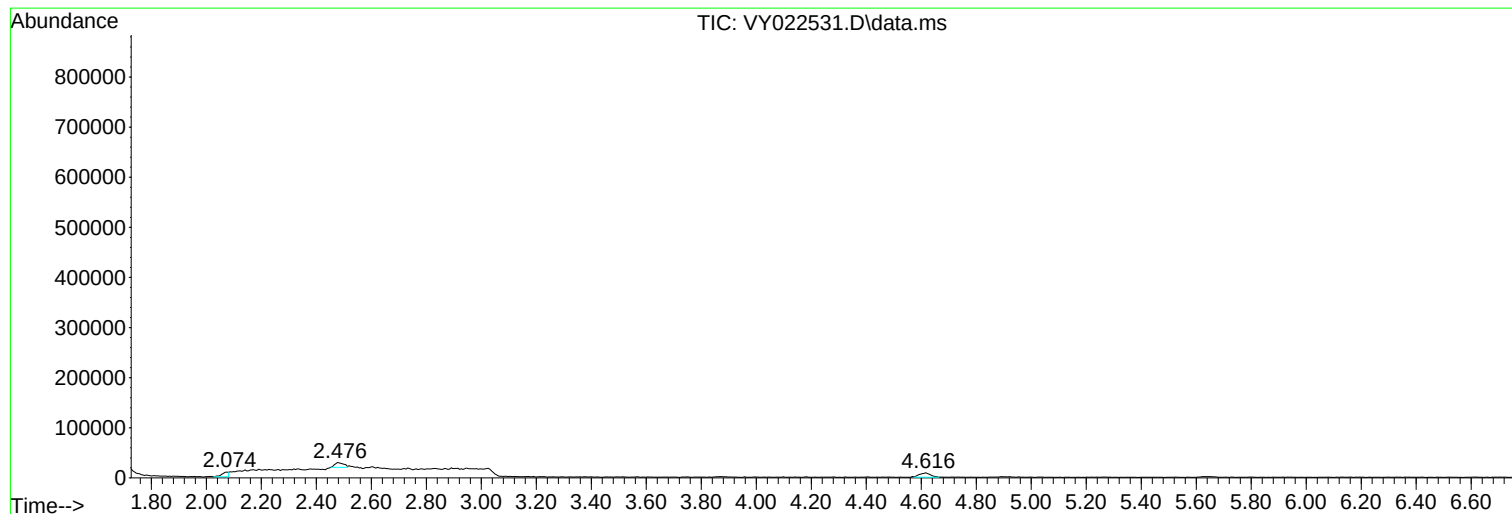
Sum of corrected areas: 7200448

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022531.D
Acq On : 03 Jun 2025 18:32
Operator : SY/MD
Sample : Q2176-06
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022531.D
Acq On : 03 Jun 2025 18:32
Operator : SY/MD
Sample : Q2176-06
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022531.D
Acq On : 03 Jun 2025 18:32
Operator : SY/MD
Sample : Q2176-06
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-27

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	5.5 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
VY022532.D	1		06/03/25 18:56	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.20	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.20	ug/Kg
75-01-4	Vinyl Chloride	0.83	U	0.83	5.20	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.20	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.20	ug/Kg
67-64-1	Acetone	5.00	U	5.00	26.2	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.76	U	0.76	5.20	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.20	ug/Kg
75-09-2	Methylene Chloride	4.60	J	3.70	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.90	U	0.90	5.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	5.20	ug/Kg
110-82-7	Cyclohexane	0.83	U	0.83	5.20	ug/Kg
78-93-3	2-Butanone	6.80	U	6.80	26.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.79	U	0.79	5.20	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.20	ug/Kg
67-66-3	Chloroform	0.88	U	0.88	5.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.97	U	0.97	5.20	ug/Kg
108-87-2	Methylcyclohexane	0.95	U	0.95	5.20	ug/Kg
71-43-2	Benzene	0.83	U	0.83	5.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.83	U	0.83	5.20	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.95	U	0.95	5.20	ug/Kg
75-27-4	Bromodichloromethane	0.82	U	0.82	5.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	26.2	ug/Kg
108-88-3	Toluene	0.82	U	0.82	5.20	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	5.5 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
VY022532.D	1		06/03/25 18:56	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.68	U	0.68	5.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.65	U	0.65	5.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.96	U	0.96	5.20	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.2	ug/Kg
124-48-1	Dibromochloromethane	0.91	U	0.91	5.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.92	U	0.92	5.20	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.20	ug/Kg
108-90-7	Chlorobenzene	0.95	U	0.95	5.20	ug/Kg
100-41-4	Ethyl Benzene	0.70	U	0.70	5.20	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.5	ug/Kg
95-47-6	o-Xylene	0.86	U	0.86	5.20	ug/Kg
100-42-5	Styrene	0.74	U	0.74	5.20	ug/Kg
75-25-2	Bromoform	0.90	U	0.90	5.20	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	5.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	3.10	5.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.30	U	3.30	5.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.7		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		17 - 146	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	243000	7.707			
540-36-3	1,4-Difluorobenzene	462000	8.609			
3114-55-4	Chlorobenzene-d5	369000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	5.5	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
VY022532.D	1		06/03/25 18:56	VY060325

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\VY060325\
 Data File : VY022532.D
 Acq On : 03 Jun 2025 18:56
 Operator : SY/MD
 Sample : Q2176-07
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-31

Quant Time: Jun 04 04:17:16 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)

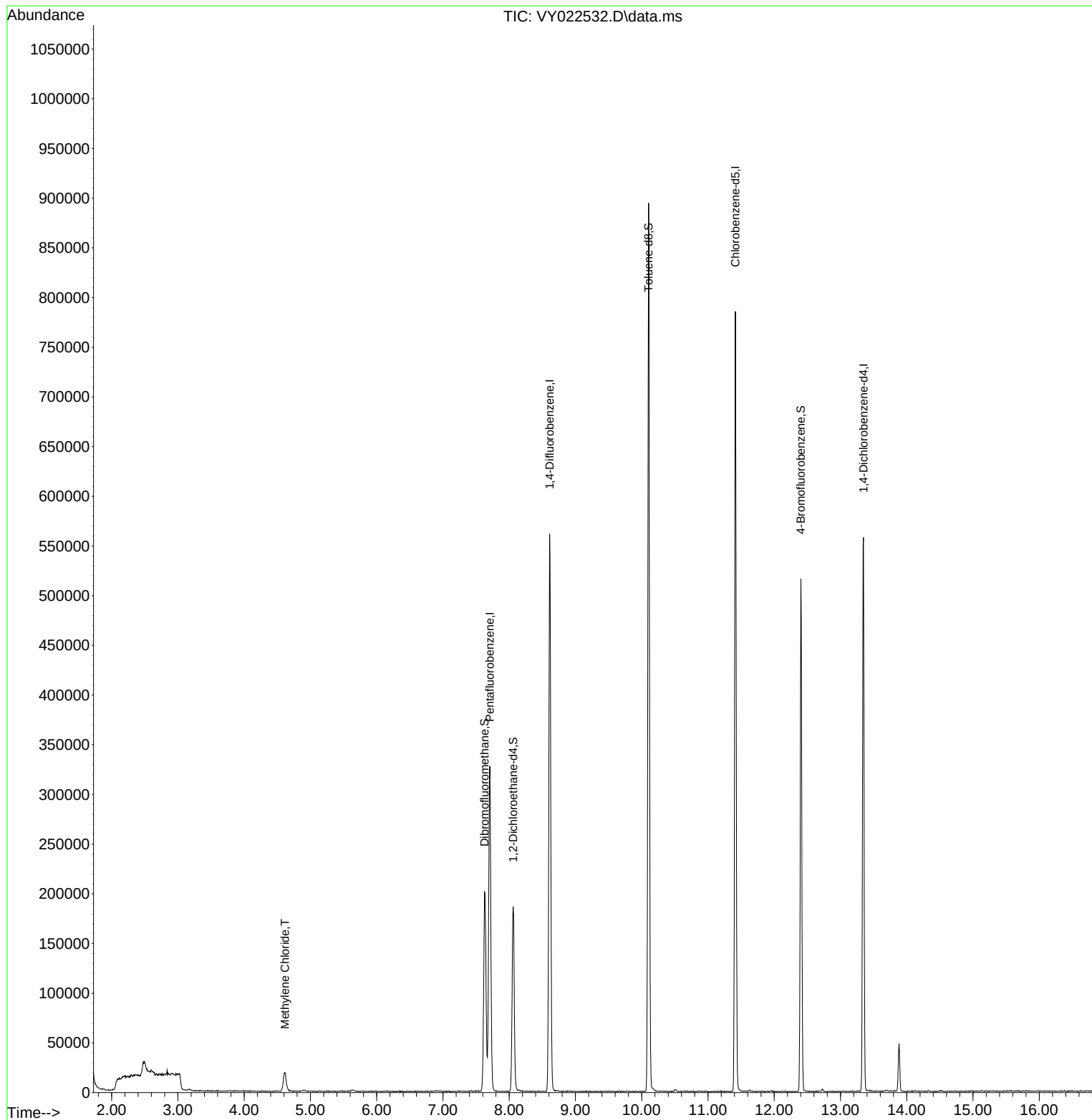
Internal Standards						
1) Pentafluorobenzene	7.707	168	242608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	461777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	369180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141185	52.032	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.060%
35) Dibromofluoromethane	7.628	113	140282	50.896	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.800%
50) Toluene-d8	10.103	98	553890	49.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.460%
62) 4-Bromofluorobenzene	12.401	95	137293	41.375	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.740%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	13883	4.435	ug/l	93

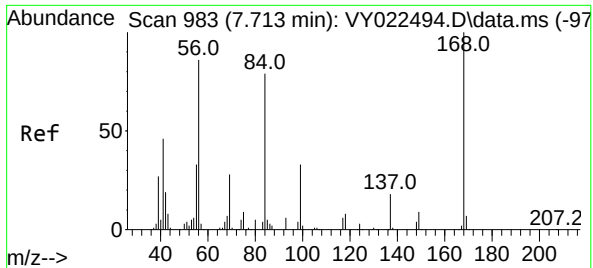
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022532.D
Acq On : 03 Jun 2025 18:56
Operator : SY/MD
Sample : Q2176-07
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

Quant Time: Jun 04 04:17:16 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

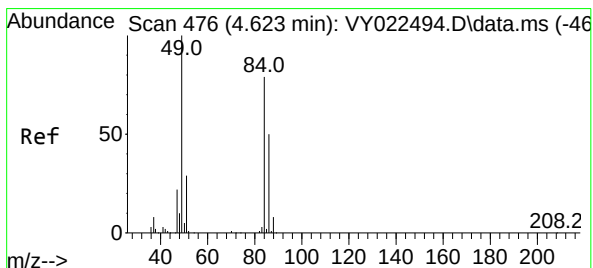
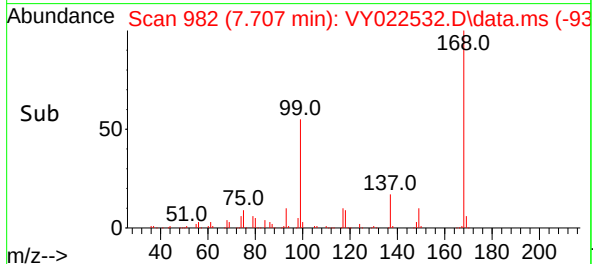
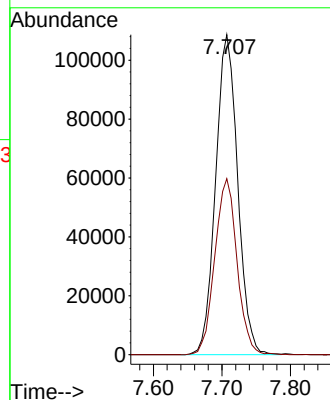
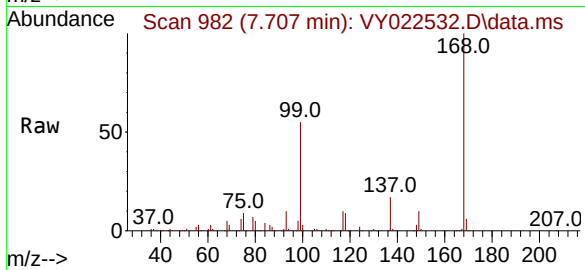




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

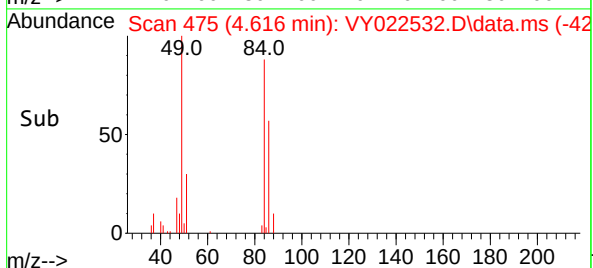
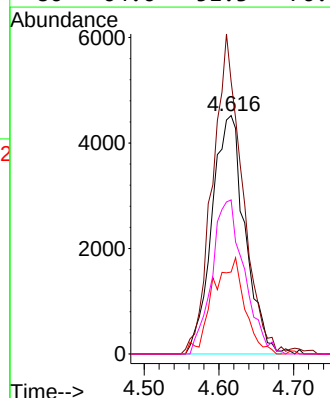
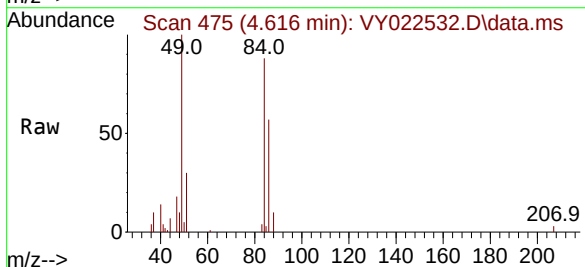
Instrument :
MSVOA_Y
ClientSampleId :
TP-31

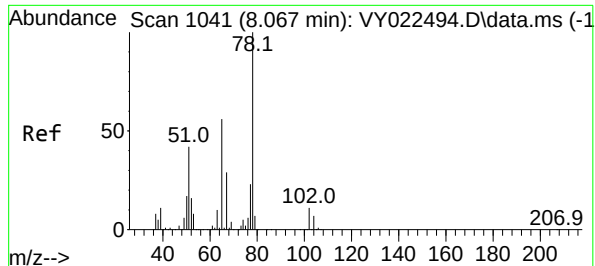
Tgt Ion:168 Resp: 242608
Ion Ratio Lower Upper
168 100
99 55.0 44.3 66.5



#20
Methylene Chloride
Concen: 4.435 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion: 84 Resp: 13883
Ion Ratio Lower Upper
84 100
49 114.2 101.9 152.9
51 34.4 29.8 44.8
86 64.6 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 52.032 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022532.D

Acq: 03 Jun 2025 18:56

Instrument :

MSVOA_Y

ClientSampleId :

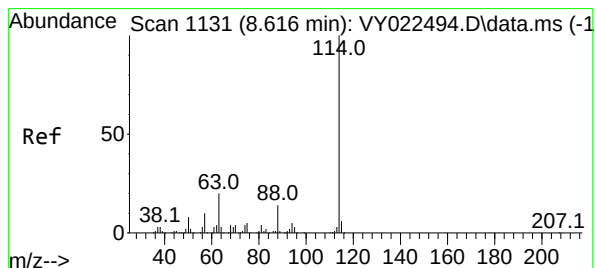
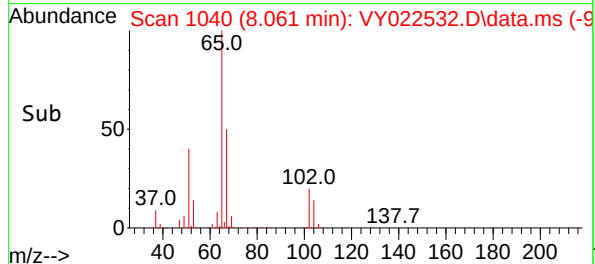
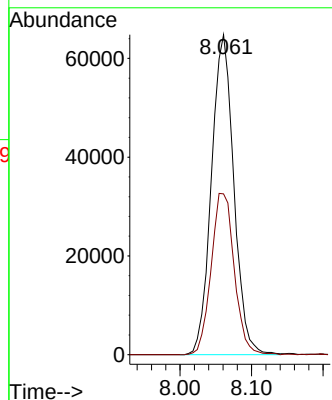
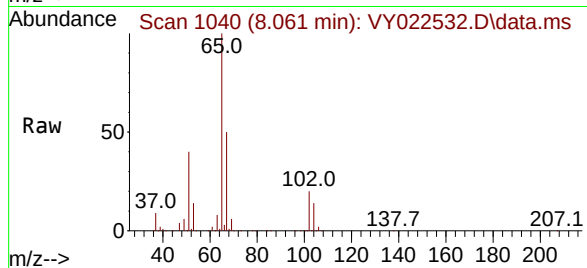
TP-31

Tgt Ion: 65 Resp: 141185

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022532.D

Acq: 03 Jun 2025 18:56

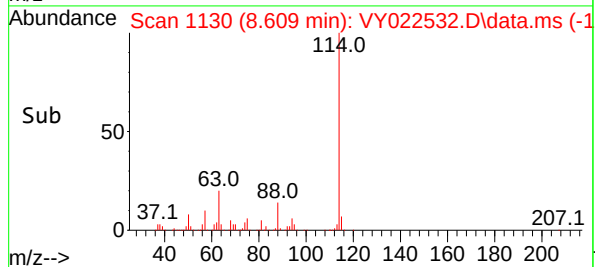
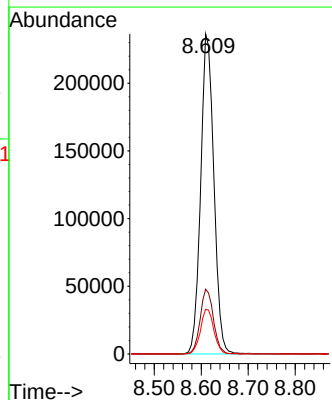
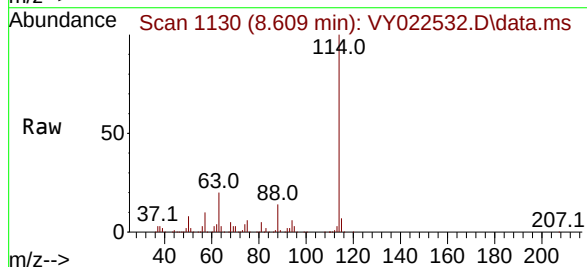
Tgt Ion: 114 Resp: 461777

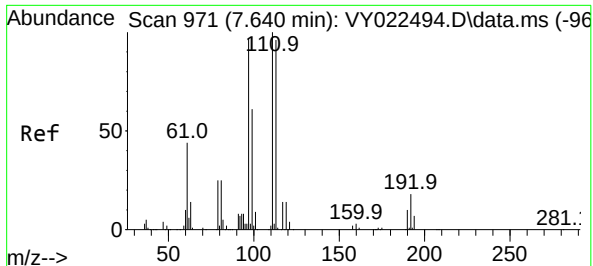
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.0 0.0 27.8





#35

Dibromofluoromethane

Concen: 50.896 ug/l

RT: 7.628 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY022532.D

Acq: 03 Jun 2025 18:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-31

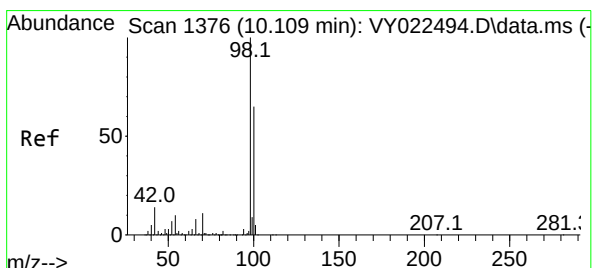
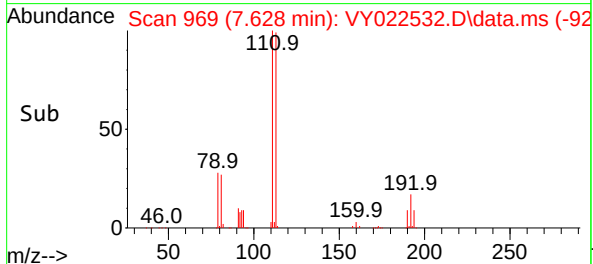
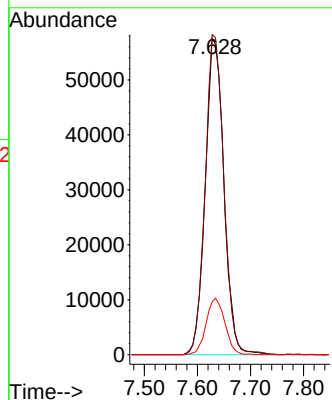
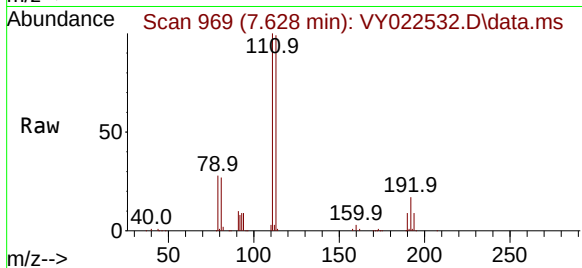
Tgt Ion:113 Resp: 140282

Ion Ratio Lower Upper

113 100

111 101.5 81.1 121.7

192 18.0 14.2 21.2



#50

Toluene-d8

Concen: 49.734 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022532.D

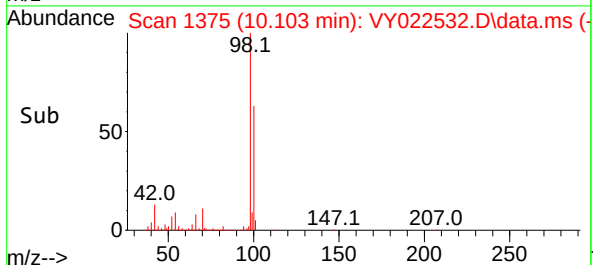
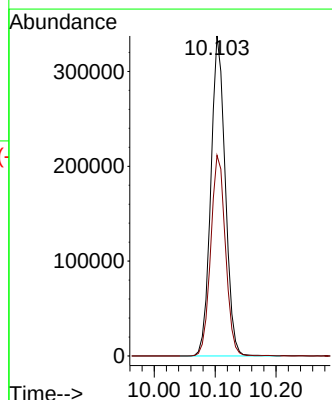
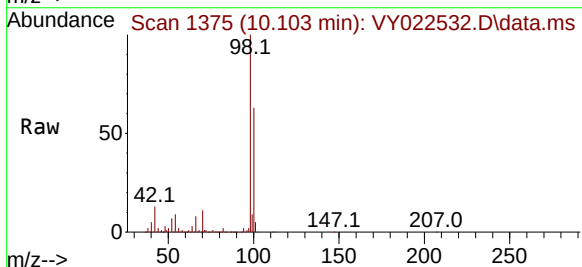
Acq: 03 Jun 2025 18:56

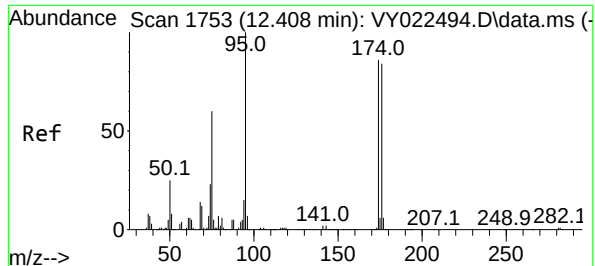
Tgt Ion: 98 Resp: 553890

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 41.375 ug/l

RT: 12.401 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022532.D

Acq: 03 Jun 2025 18:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-31

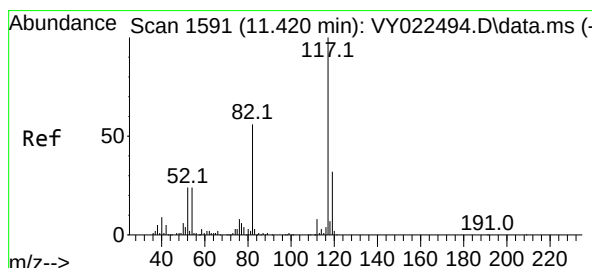
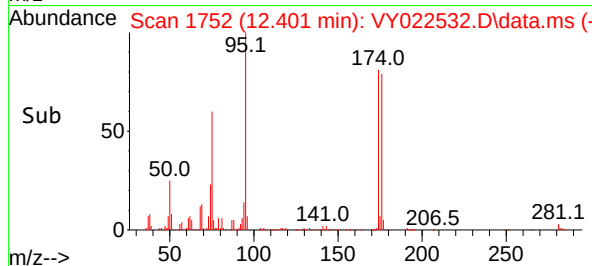
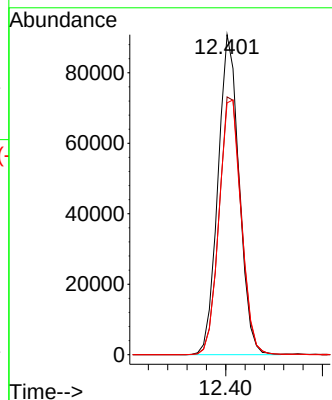
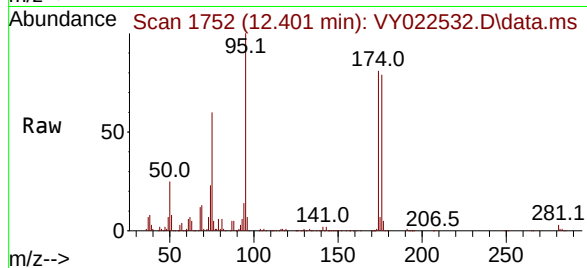
Tgt Ion: 95 Resp: 137293

Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.0

176 83.8 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022532.D

Acq: 03 Jun 2025 18:56

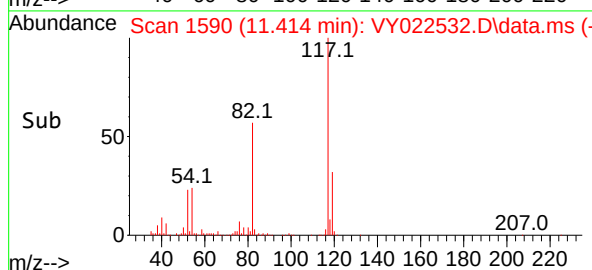
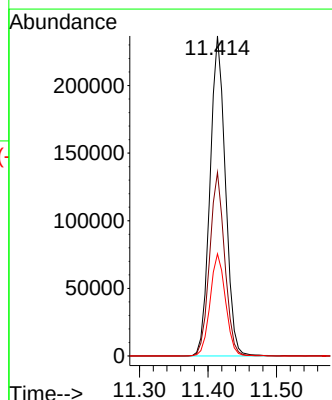
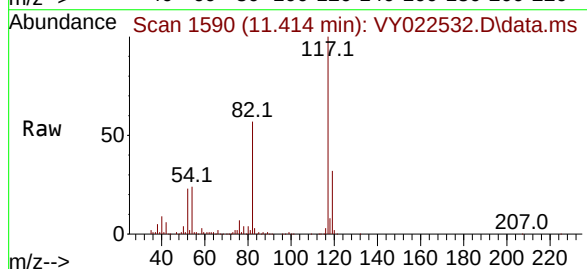
Tgt Ion: 117 Resp: 369180

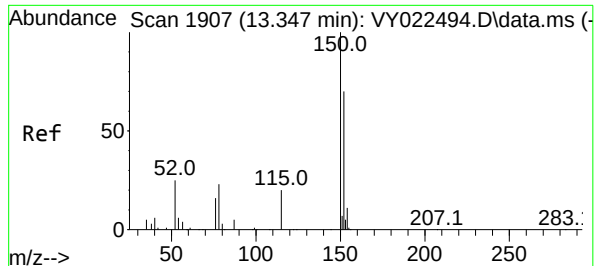
Ion Ratio Lower Upper

117 100

82 57.3 44.6 66.8

119 31.9 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: VY022532.D

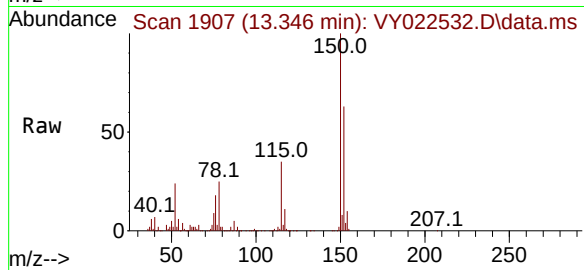
Acq: 03 Jun 2025 18:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-31



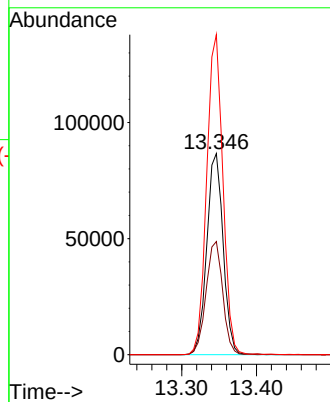
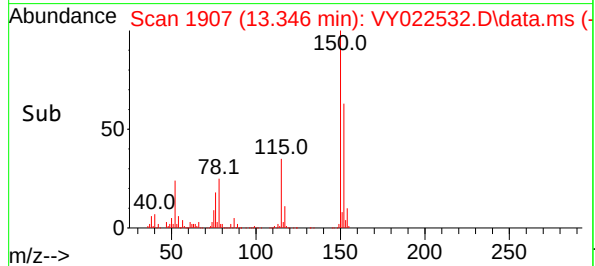
Tgt Ion:152 Resp: 131849

Ion	Ratio	Lower	Upper

152	100		

115	57.4	28.9	86.7

150	157.2	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022532.D
 Acq On : 03 Jun 2025 18:56
 Operator : SY/MD
 Sample : Q2176-07
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-31

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M

Title : SW846 8260

Signal : TIC: VY022532.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.092	51	61	62	rBV2	11044	25508	1.70%	0.348%
2	4.610	464	474	487	rBV2	19080	62143	4.14%	0.848%
3	7.628	960	969	976	rBV	201111	490184	32.62%	6.689%
4	7.707	976	982	995	rVB	326930	734652	48.89%	10.024%
5	8.061	1030	1040	1052	rBV	185986	422924	28.14%	5.771%
6	8.609	1122	1130	1143	rBV	560903	1100776	73.25%	15.020%
7	10.103	1367	1375	1384	rBV	893955	1502741	100.00%	20.505%
8	11.414	1582	1590	1605	rBV	784984	1224138	81.46%	16.703%
9	12.401	1744	1752	1761	rBV	516070	819745	54.55%	11.185%
10	13.346	1899	1907	1914	rBV	557485	871402	57.99%	11.890%
11	13.883	1987	1995	2001	rBV	47696	74473	4.96%	1.016%

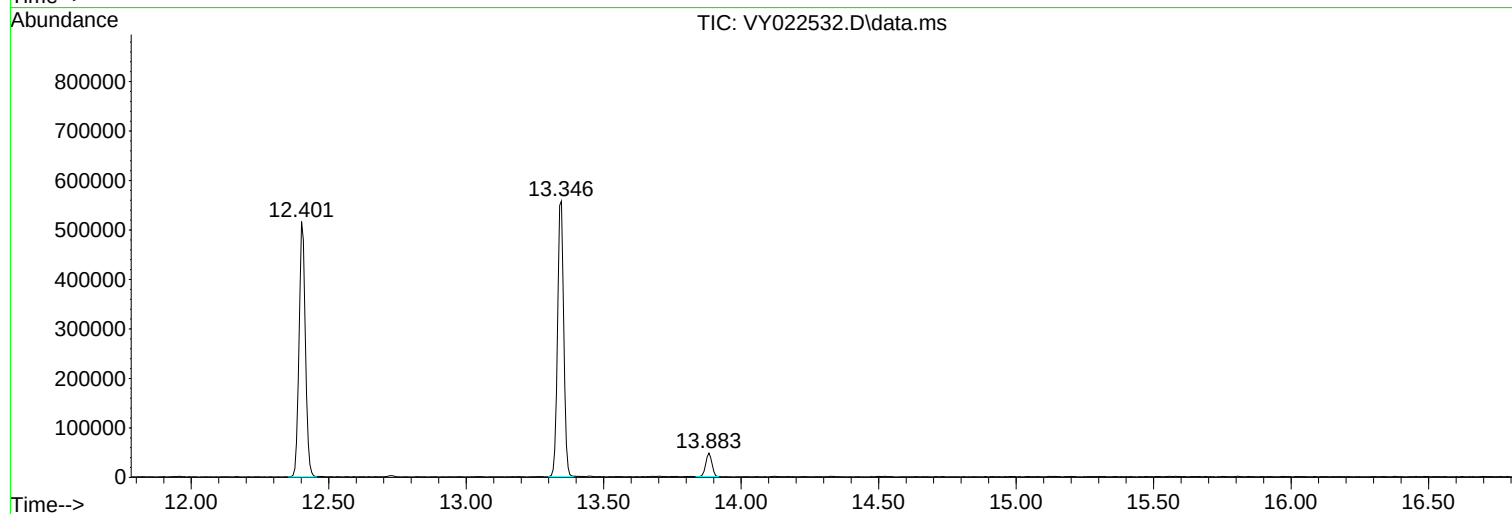
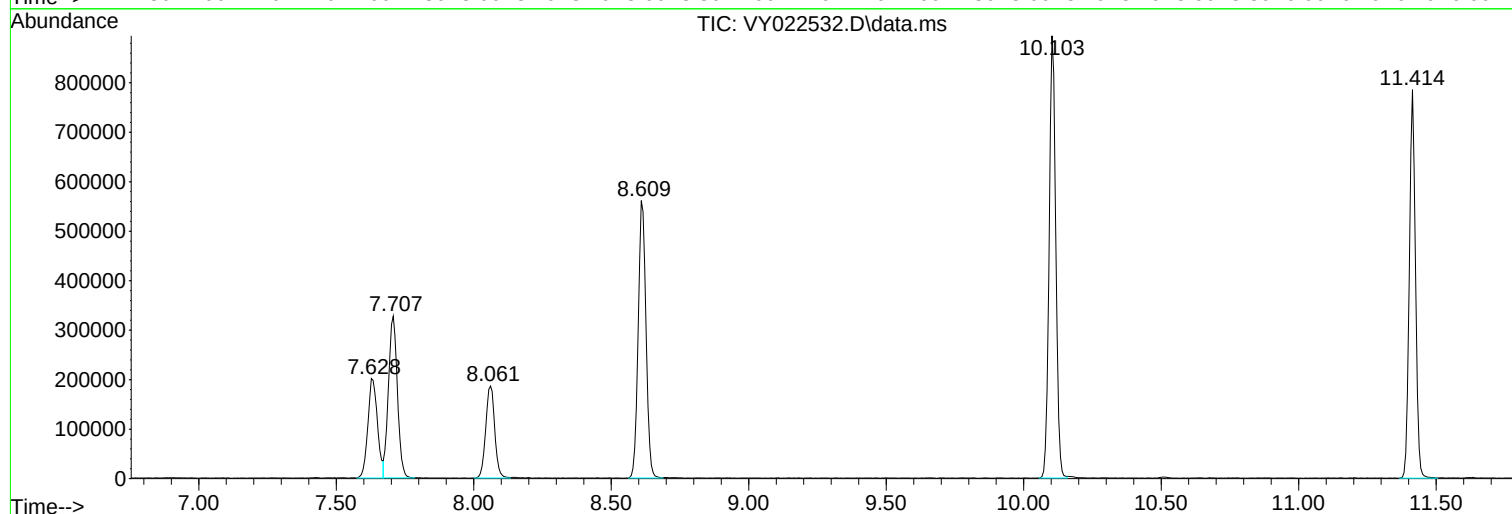
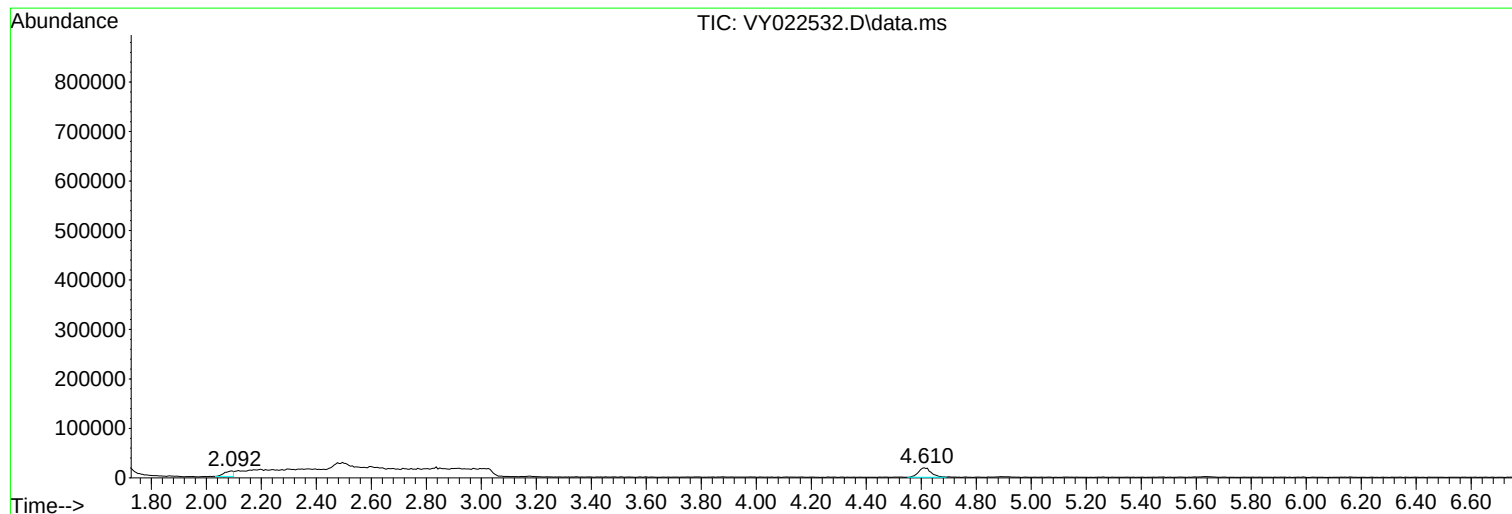
Sum of corrected areas: 7328686

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022532.D
Acq On : 03 Jun 2025 18:56
Operator : SY/MD
Sample : Q2176-07
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022532.D
Acq On : 03 Jun 2025 18:56
Operator : SY/MD
Sample : Q2176-07
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022532.D
Acq On : 03 Jun 2025 18:56
Operator : SY/MD
Sample : Q2176-07
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-31

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.3
Sample Wt/Vol:	6.47 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
VY022533.D	1		06/03/25 19:19	VY060325

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	4.20	U	4.20	22.1	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	0.76	U	0.76	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	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.66	U	0.66	4.40	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.40	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.82	U	0.82	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	22.1	ug/Kg
108-88-3	Toluene	0.69	U	0.69	4.40	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.3
Sample Wt/Vol:	6.47 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
VY022533.D	1		06/03/25 19:19	VY060325

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	0.81	U	0.81	4.40	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	22.1	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	0.59	U	0.59	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	0.76	U	0.76	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	44.4		63 - 155	89%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.2		17 - 146	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	269000	7.707			
540-36-3	1,4-Difluorobenzene	485000	8.609			
3114-55-4	Chlorobenzene-d5	369000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.3
Sample Wt/Vol:	6.47	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
VY022533.D	1		06/03/25 19:19	VY060325

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\VY060325\
 Data File : VY022533.D
 Acq On : 03 Jun 2025 19:19
 Operator : SY/MD
 Sample : Q2176-08
 Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-65

Quant Time: Jun 04 04:17:40 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	268630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	484998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	368793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123634	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	133278	44.360	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.720%
35) Dibromofluoromethane	7.628	113	138744	47.928	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.860%
50) Toluene-d8	10.103	98	579788	49.567	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.401	95	133019	38.168	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.340%

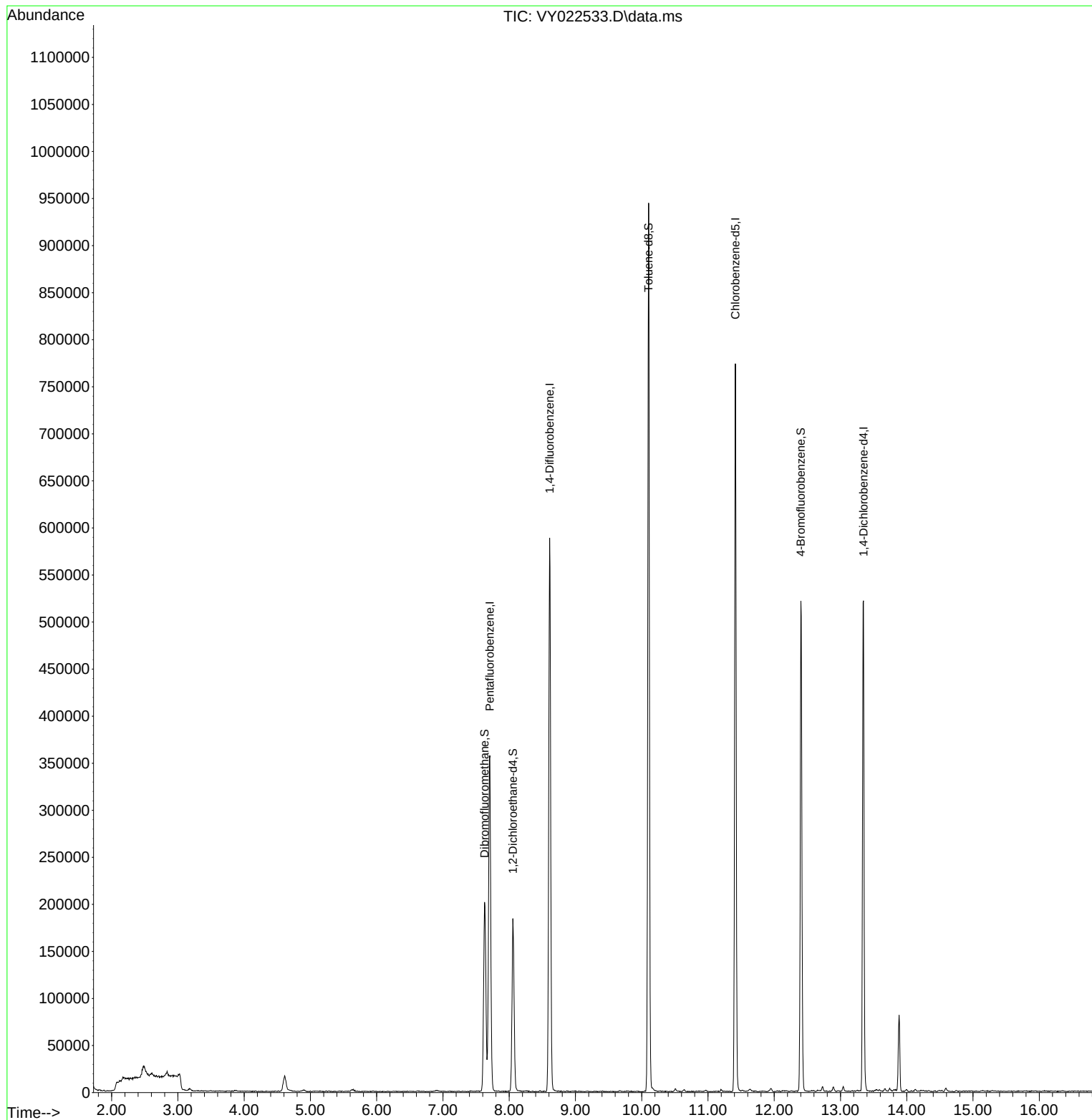
Target Compounds	Qvalue

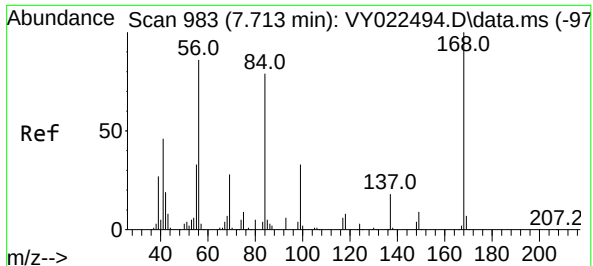
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022533.D
Acq On : 03 Jun 2025 19:19
Operator : SY/MD
Sample : Q2176-08
Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Quant Time: Jun 04 04:17:40 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

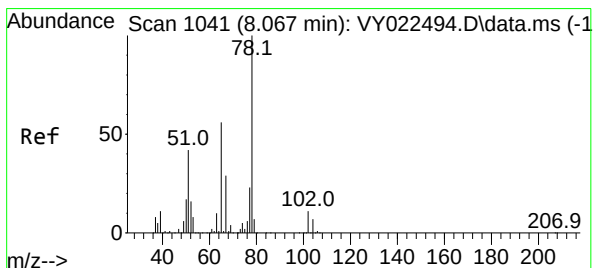
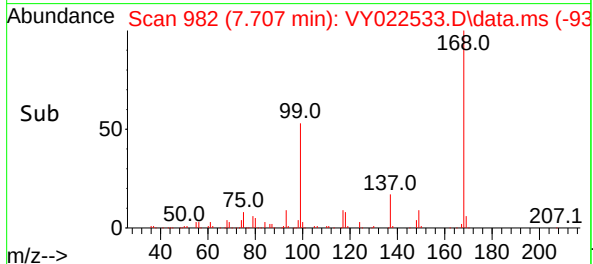
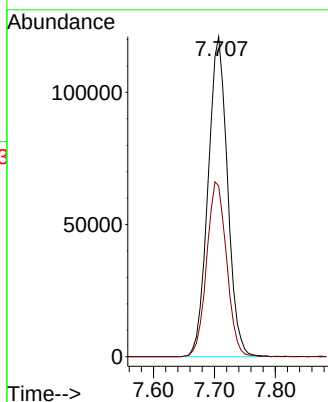
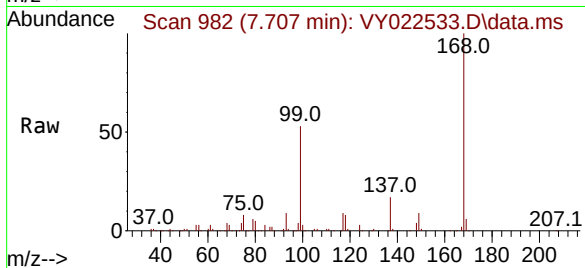




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

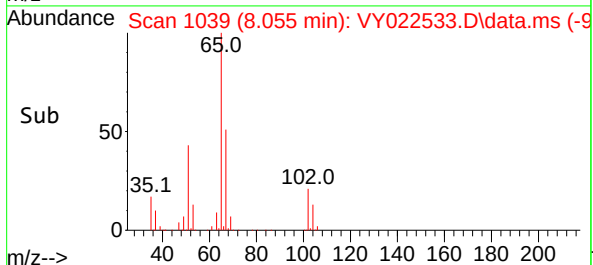
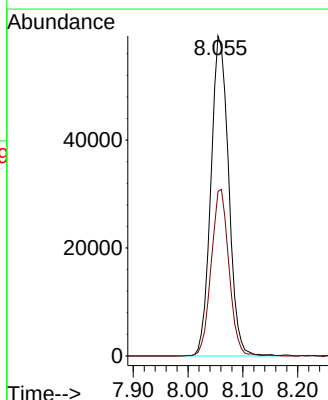
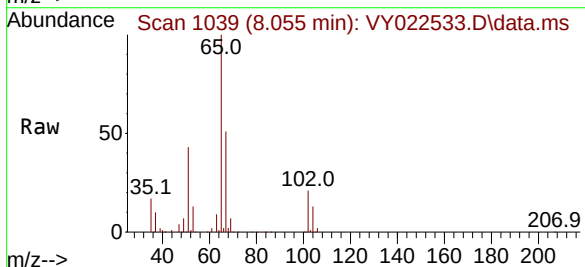
Instrument :
MSVOA_Y
ClientSampleId :
TP-65

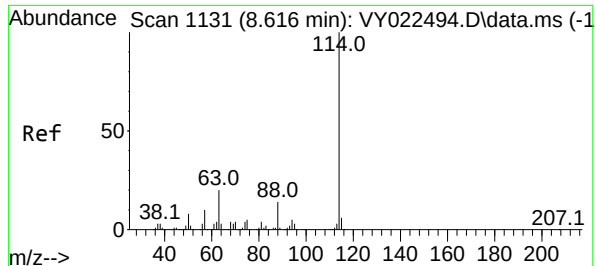
Tgt Ion:168 Resp: 268630
Ion Ratio Lower Upper
168 100
99 53.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 44.360 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion: 65 Resp: 133278
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022533.D

Acq: 03 Jun 2025 19:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-65

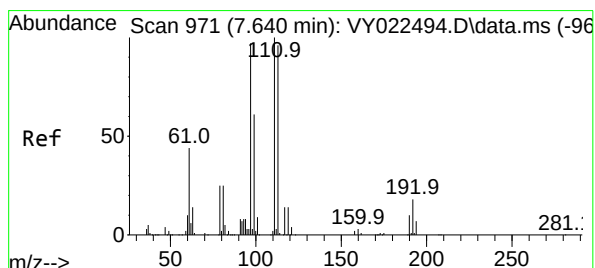
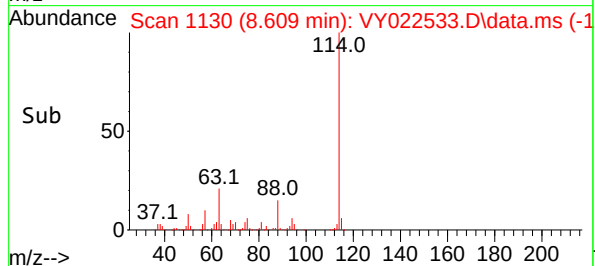
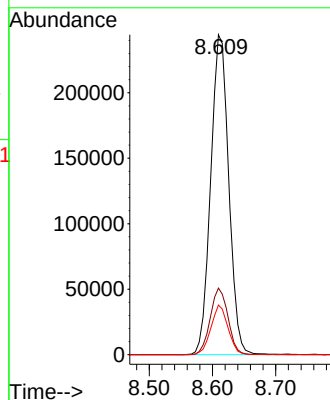
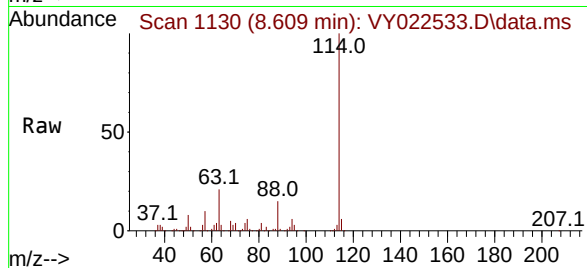
Tgt Ion:114 Resp: 484998

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 47.928 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022533.D

Acq: 03 Jun 2025 19:19

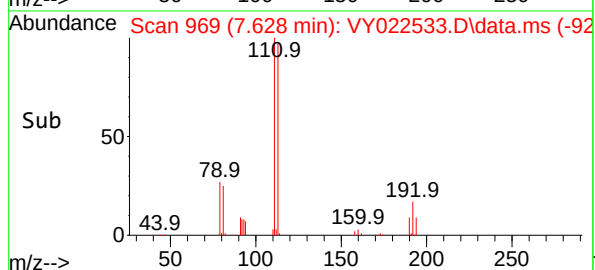
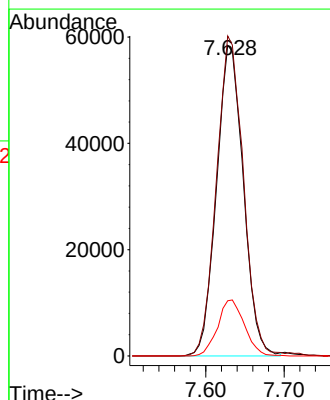
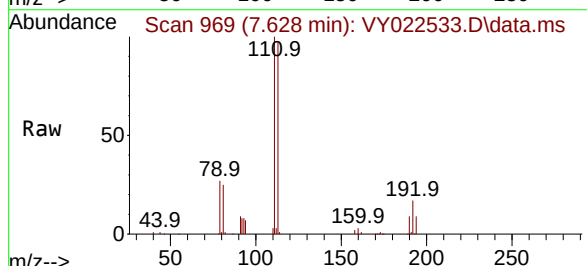
Tgt Ion:113 Resp: 138744

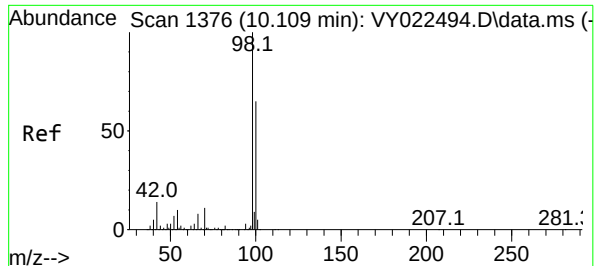
Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

192 18.1 14.2 21.2





#50

Toluene-d8

Concen: 49.567 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022533.D

Acq: 03 Jun 2025 19:19

Instrument :

MSVOA_Y

ClientSampleId :

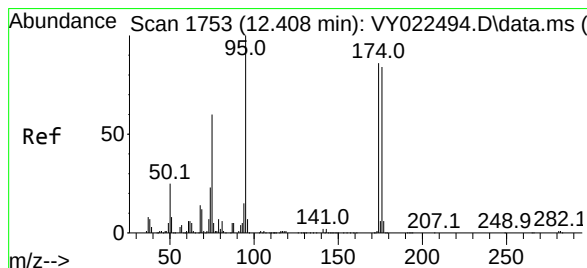
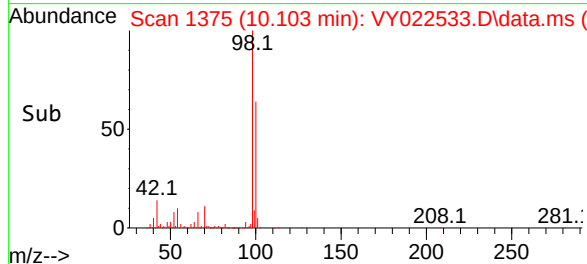
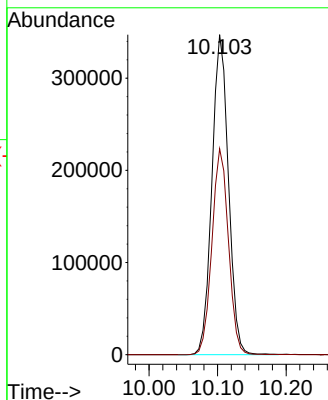
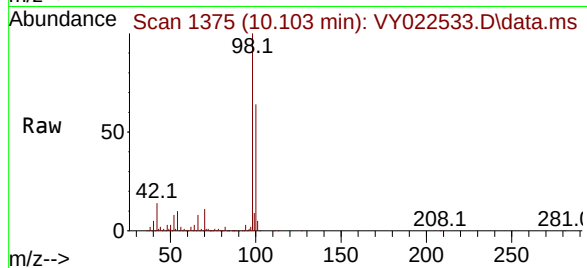
TP-65

Tgt Ion: 98 Resp: 579788

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 38.168 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022533.D

Acq: 03 Jun 2025 19:19

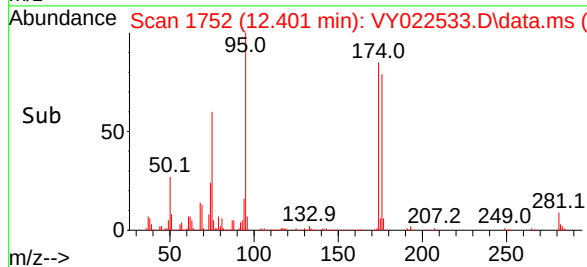
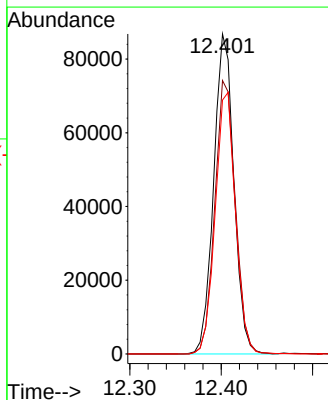
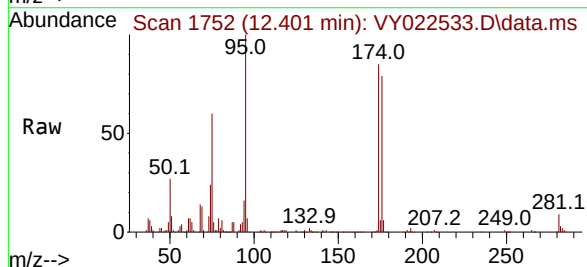
Tgt Ion: 95 Resp: 133019

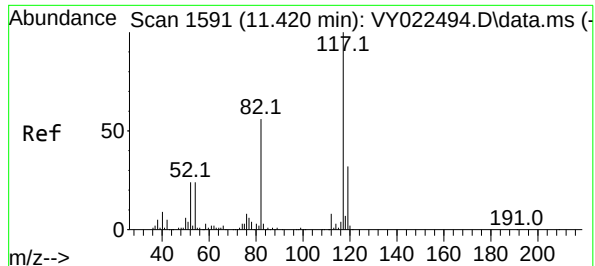
Ion Ratio Lower Upper

95 100

174 87.1 0.0 170.0

176 82.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1591

Delta R.T. -0.006 min

Lab File: VY022533.D

Acq: 03 Jun 2025 19:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-65

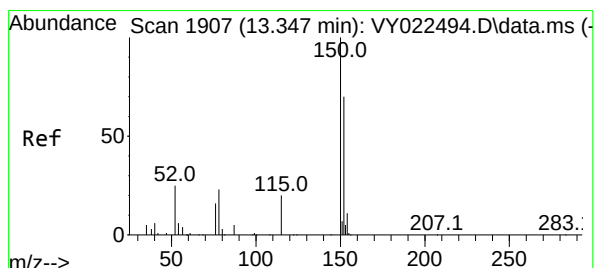
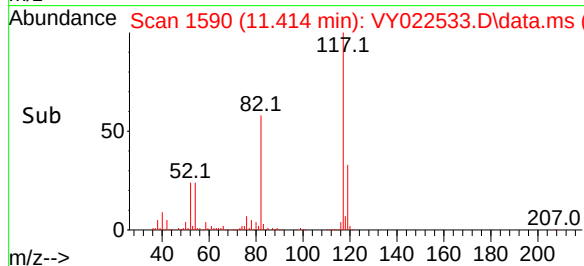
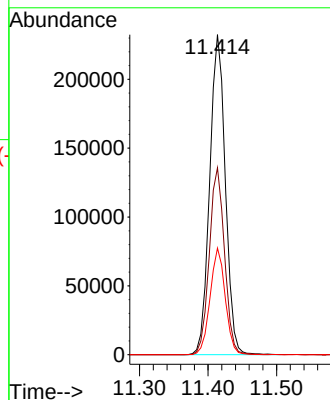
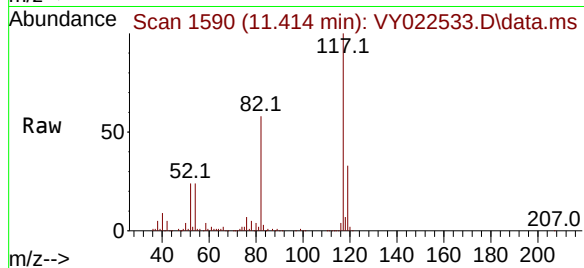
Tgt Ion:117 Resp: 368793

Ion Ratio Lower Upper

117 100

82 58.4 44.6 66.8

119 33.3 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: VY022533.D

Acq: 03 Jun 2025 19:19

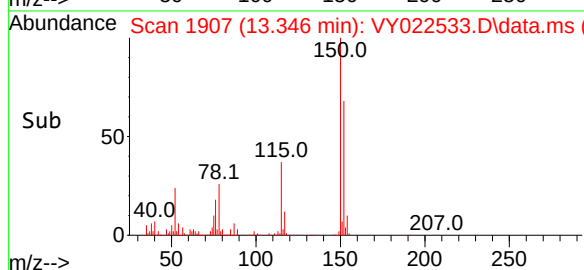
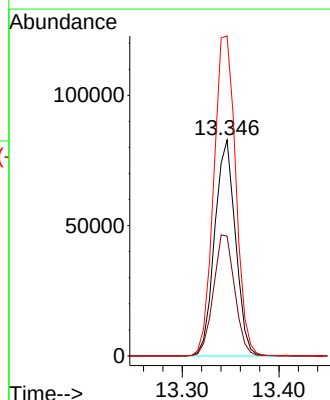
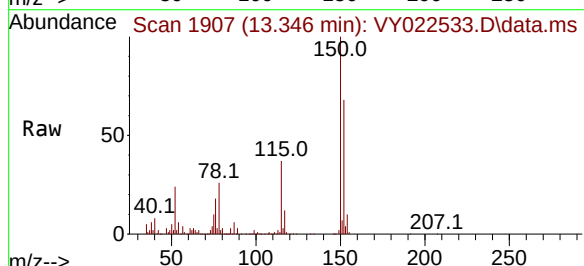
Tgt Ion:152 Resp: 123634

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 156.7 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022533.D
Acq On : 03 Jun 2025 19:19
Operator : SY/MD
Sample : Q2176-08
Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M

Title : SW846 8260

Signal : TIC: VY022533.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.086	49	60	63	rBV2	9162	26698	1.69%	0.350%
2	2.482	119	125	139	rVB4	10755	37496	2.37%	0.492%
3	4.610	464	474	488	rBV	16351	51960	3.29%	0.682%
4	7.628	958	969	975	rBV	200852	478404	30.29%	6.275%
5	7.707	975	982	994	rVB	356703	821815	52.03%	10.780%
6	8.055	1031	1039	1053	rBV	183570	399260	25.28%	5.237%
7	8.609	1121	1130	1141	rBV	588429	1159187	73.39%	15.205%
8	10.103	1367	1375	1383	rBV	943884	1579383	100.00%	20.717%
9	11.414	1581	1590	1603	rBV	773507	1222590	77.41%	16.037%
10	12.401	1744	1752	1763	rBV2	521215	890789	56.40%	11.685%
11	13.346	1900	1907	1916	rBV	520805	824415	52.20%	10.814%
12	13.883	1989	1995	2002	rVB2	81024	131508	8.33%	1.725%

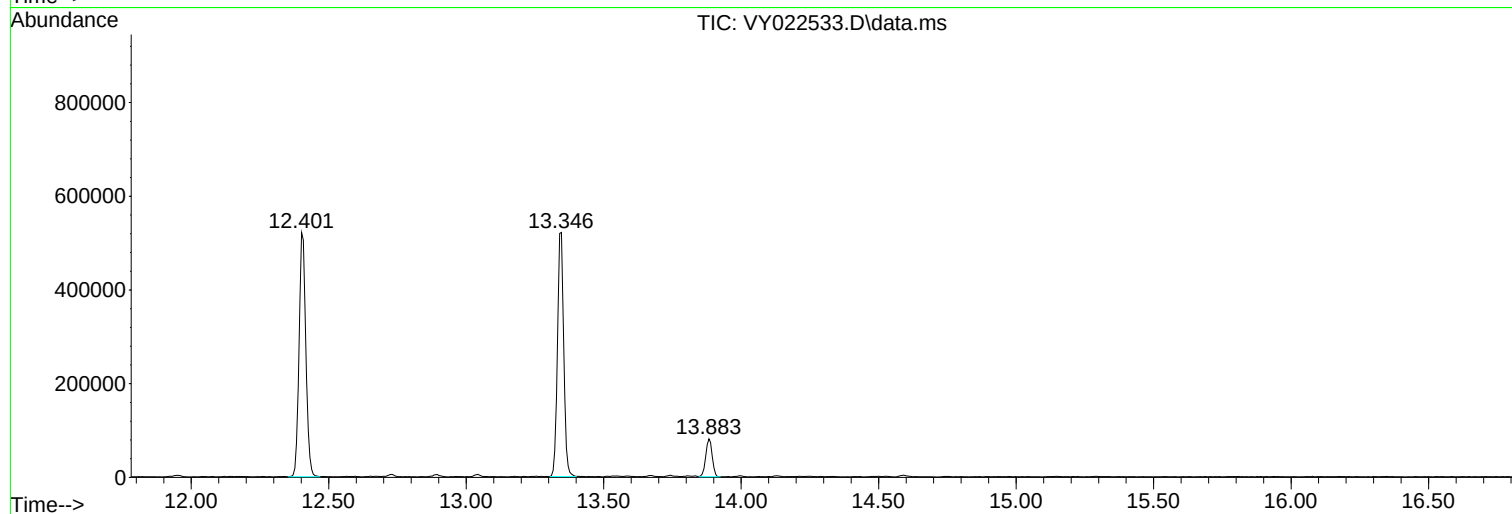
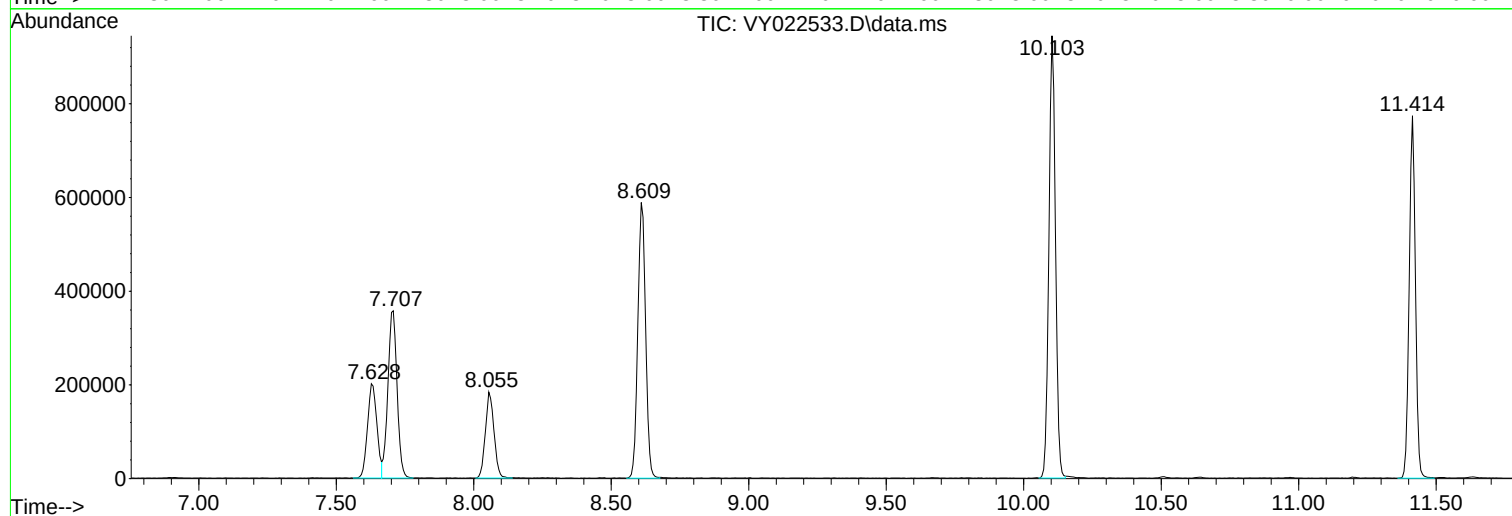
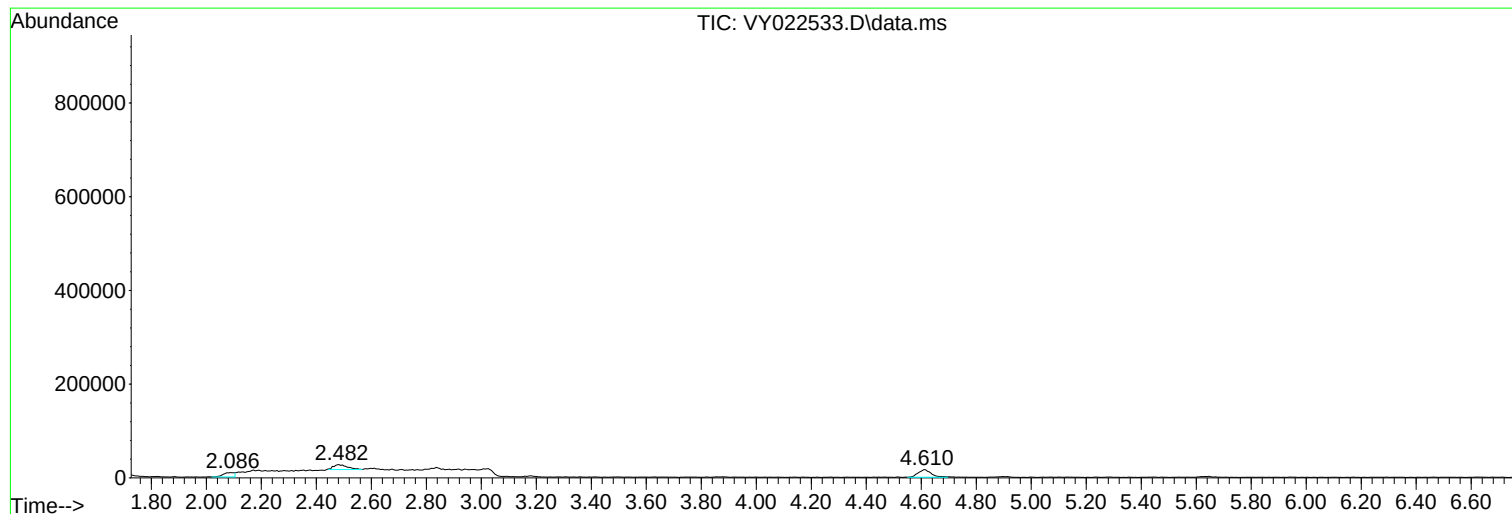
Sum of corrected areas: 7623505

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022533.D
Acq On : 03 Jun 2025 19:19
Operator : SY/MD
Sample : Q2176-08
Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022533.D
Acq On : 03 Jun 2025 19:19
Operator : SY/MD
Sample : Q2176-08
Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022533.D
Acq On : 03 Jun 2025 19:19
Operator : SY/MD
Sample : Q2176-08
Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-65

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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



CALIBRATION SUMMARY



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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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.: Q2176 SAS No.: Q2176 SDG No.: Q2176
 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

Client Sample Id :

VSTDIC005

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 06/03/2025

Supervised By : Mahesh Dadoda 06/03/2025

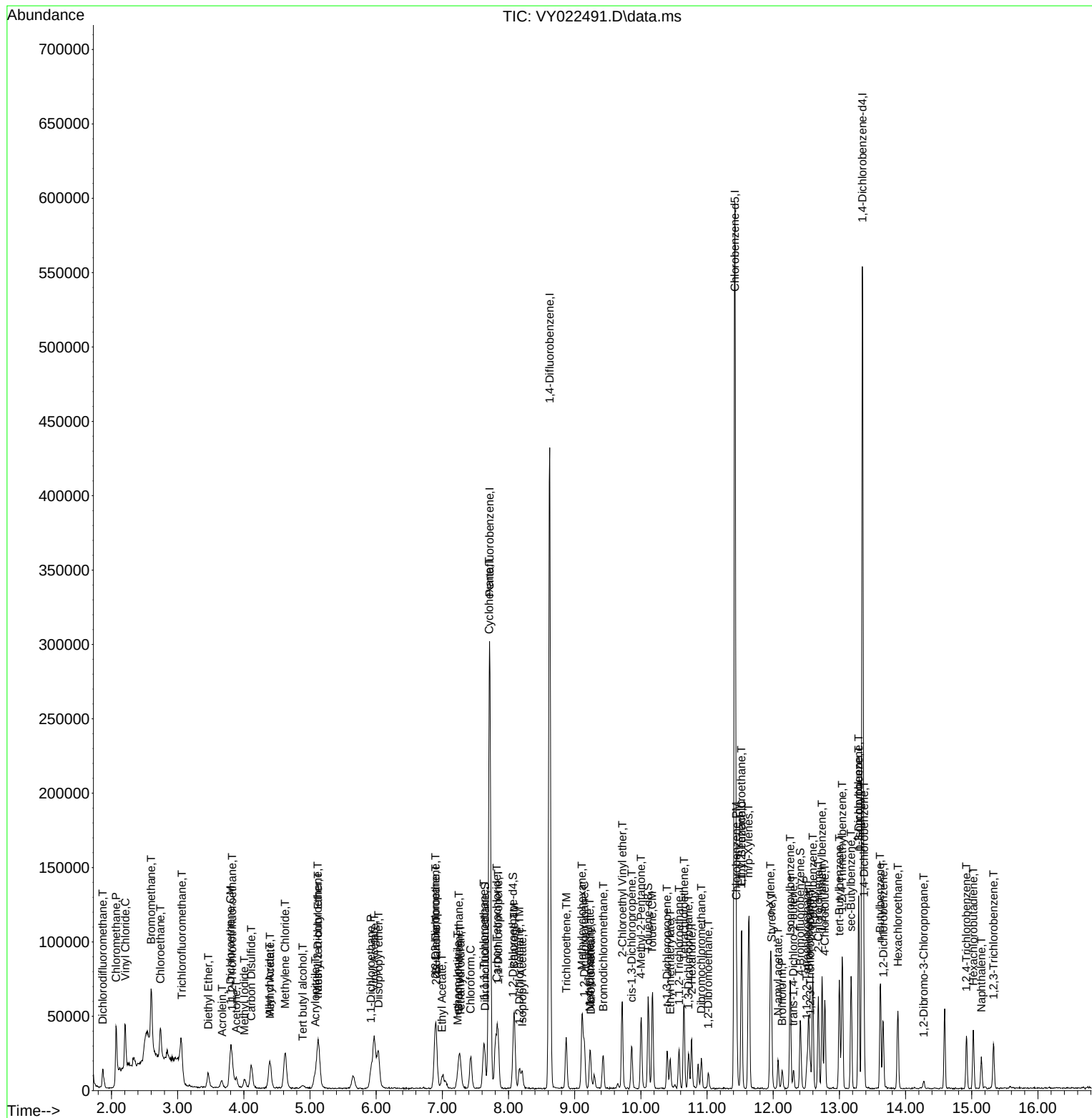
Quant Time: Jun 03 02:52:53 2025

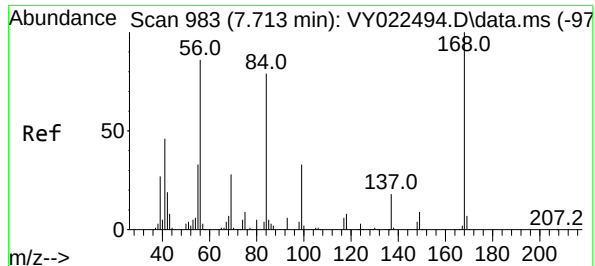
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M

Quant Title : SW846 8260

QLast Update : Tue Jun 03 02:50:07 2025

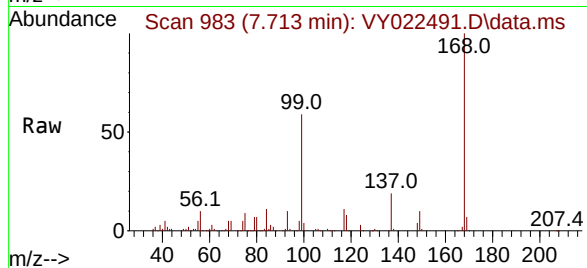
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

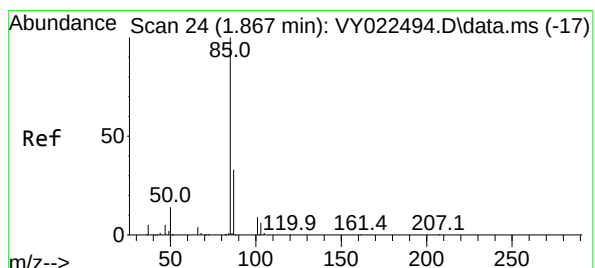
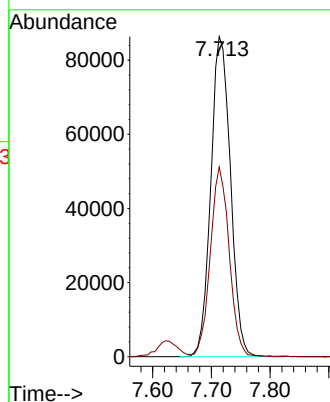
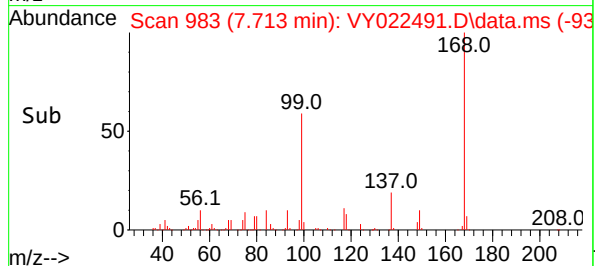
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:168 Resp: 201089
Ion Ratio Lower Upper
168 100
99 59.3 44.3 66.5

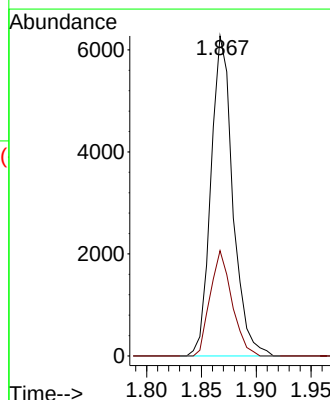
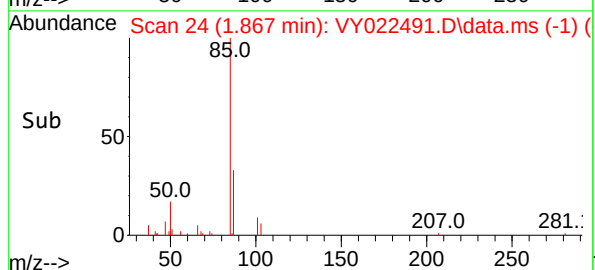
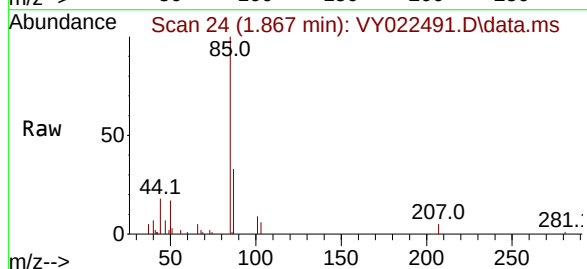
Manual Integrations
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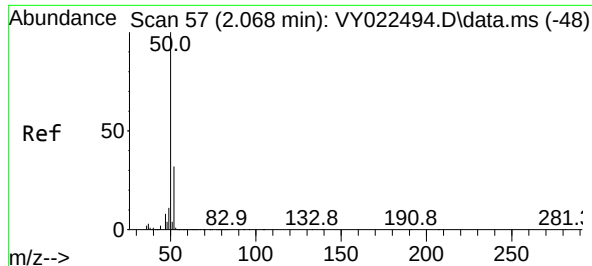
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#2
Dichlorodifluoromethane
Concen: 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

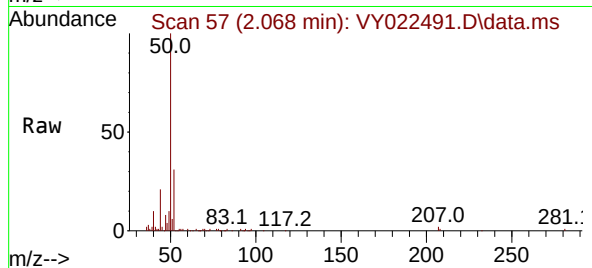
Tgt Ion: 85 Resp: 8717
Ion Ratio Lower Upper
85 100
87 32.9 16.7 50.0





#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

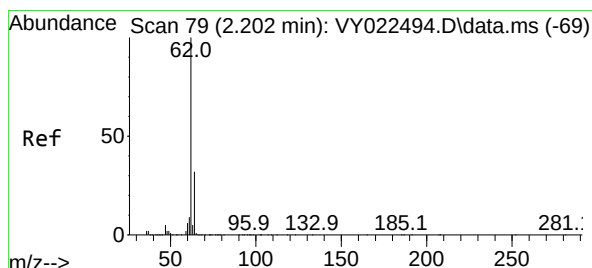
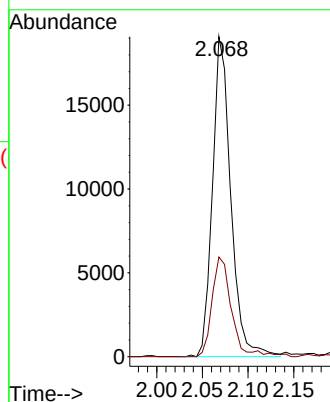
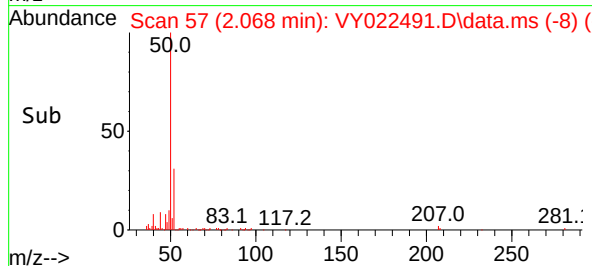
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 50 Resp: 2653
Ion Ratio Lower Upper
50 100
52 31.1 26.0 39.0

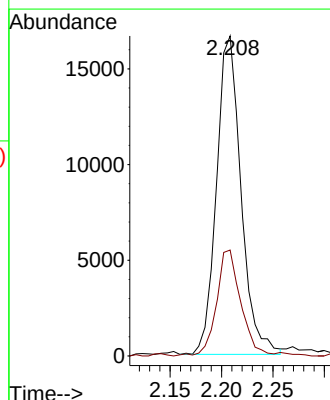
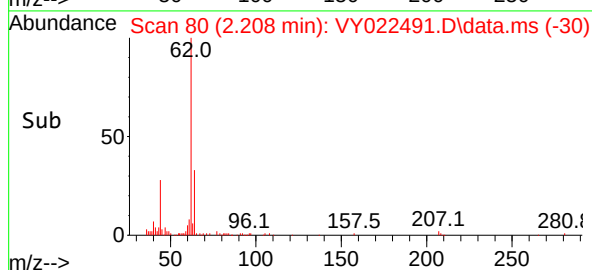
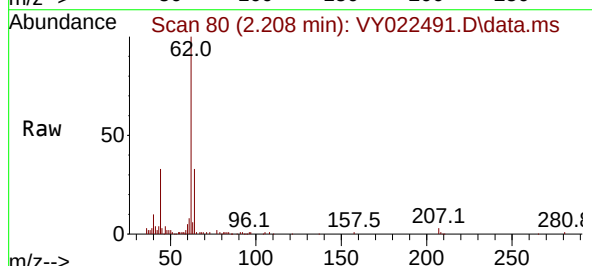
Manual Integrations
APPROVED

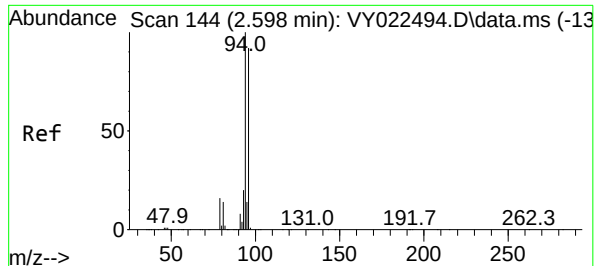
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





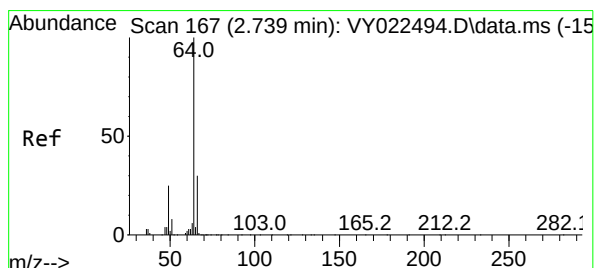
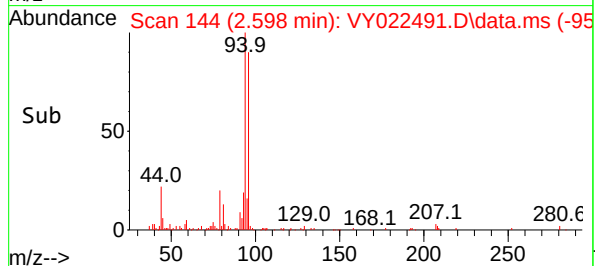
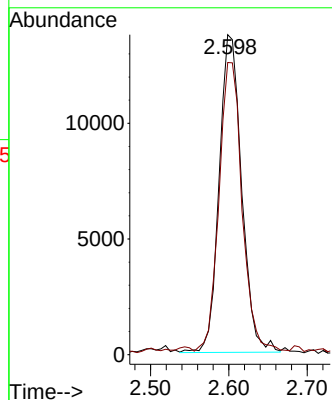
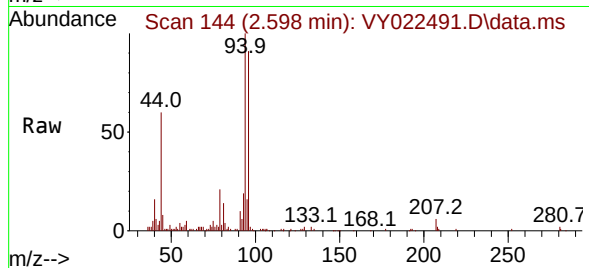
#5
Bromomethane
Concen: 4.784 ug/l
RT: 2.598 min Scan# 144
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 94 Resp: 2745
Ion Ratio Lower Upper
94 100
96 90.5 74.0 111.0

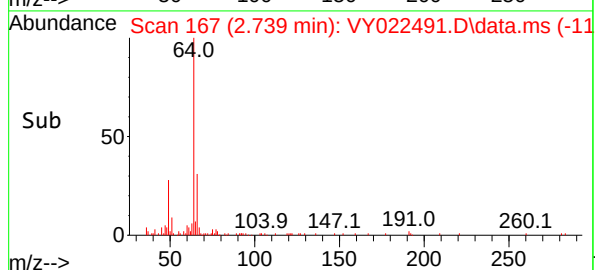
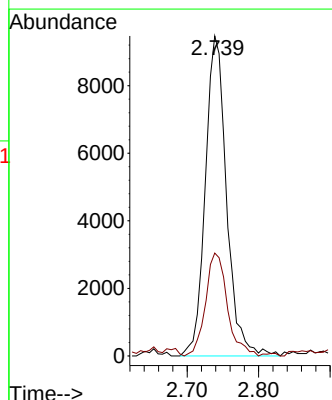
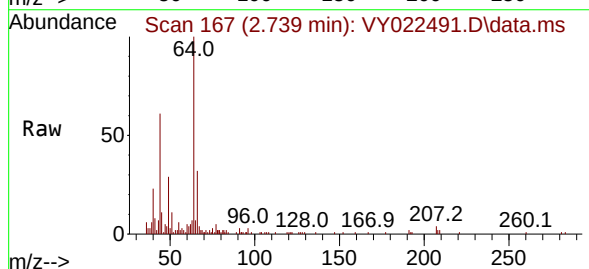
Manual Integrations
APPROVED

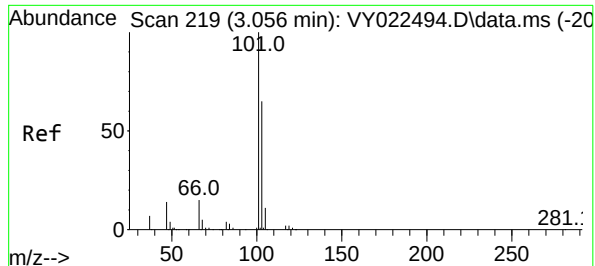
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

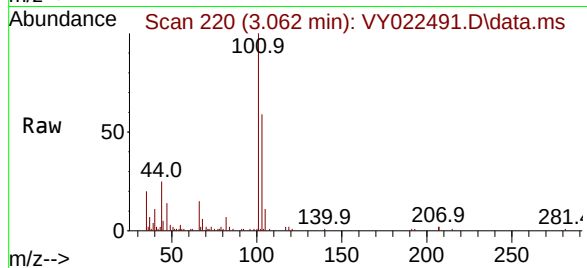
Tgt Ion: 64 Resp: 19566
Ion Ratio Lower Upper
64 100
66 32.1 23.8 35.6





#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

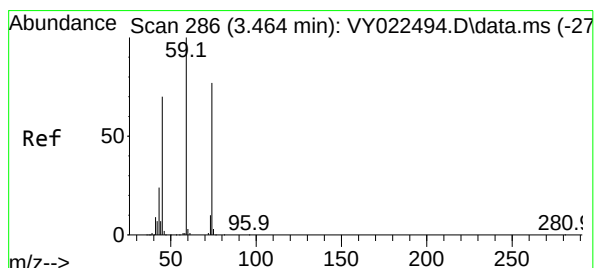
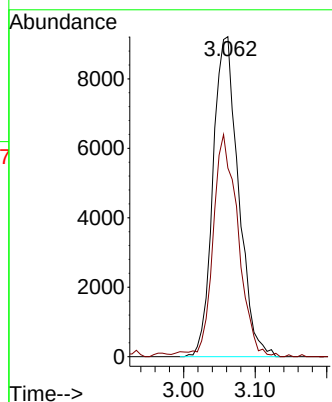
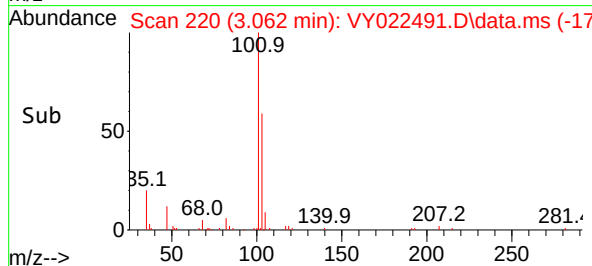
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



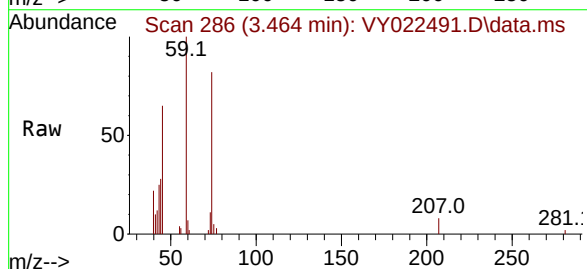
Tgt Ion: 101 Resp: 2282
Ion Ratio Lower Upper
101 100
103 59.0 52.2 78.2

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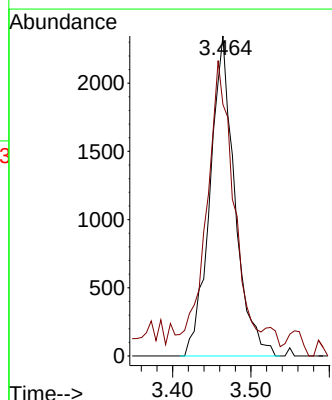
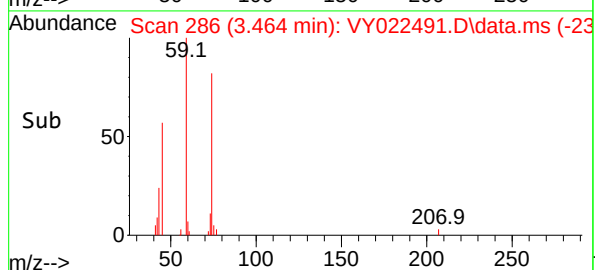
Reviewed By : Semsettin Yesilyurt 06/03/2025
Supervised By : Mahesh Dadoda 06/03/2025

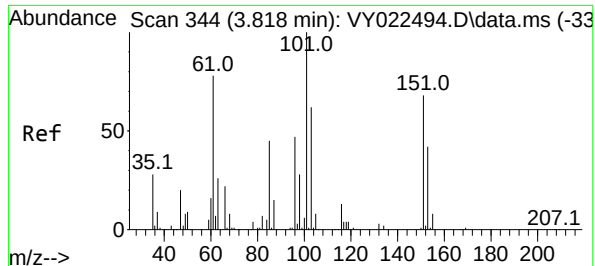


#8
Diethyl Ether
Concen: 4.553 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46



Tgt Ion: 74 Resp: 5184
Ion Ratio Lower Upper
74 100
45 98.9 45.9 137.6





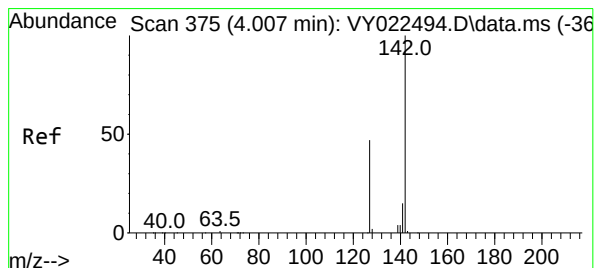
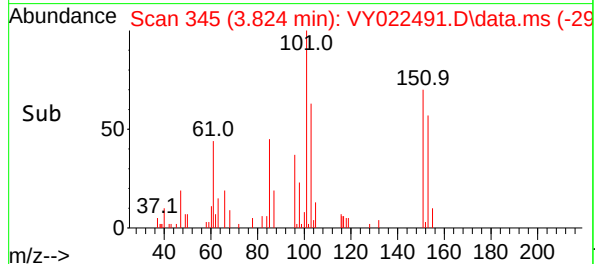
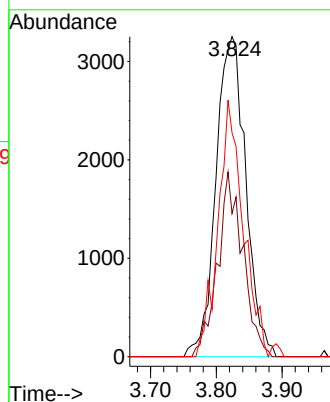
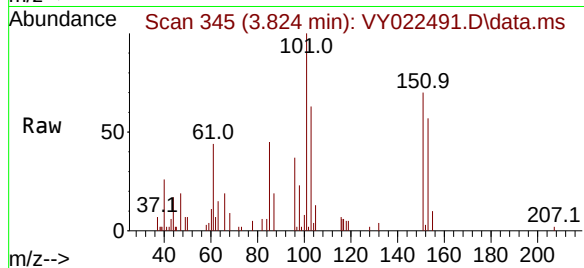
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.744 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

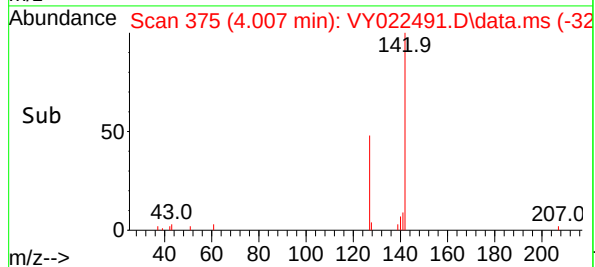
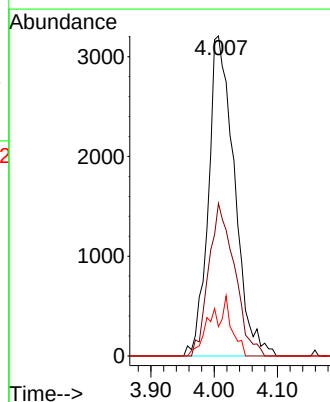
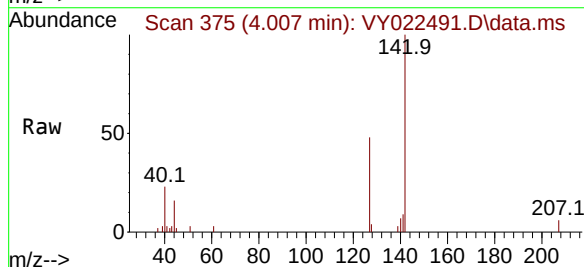
Manual Integrations
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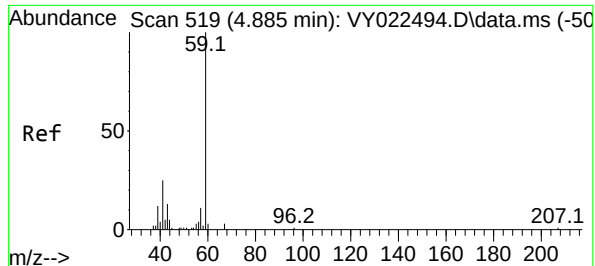
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

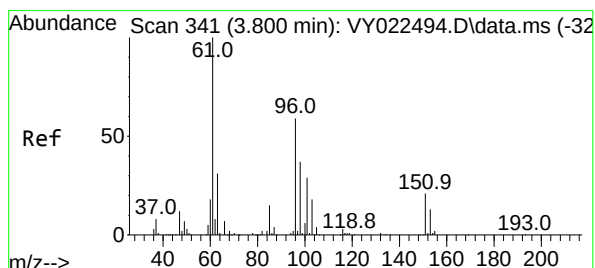
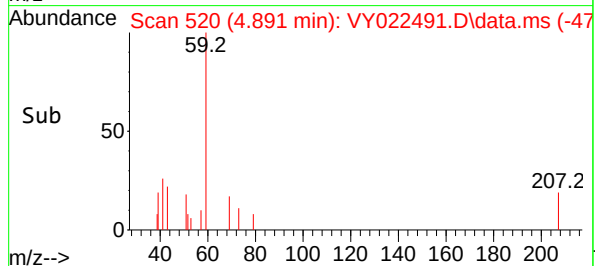
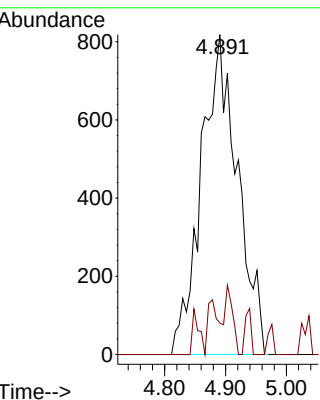
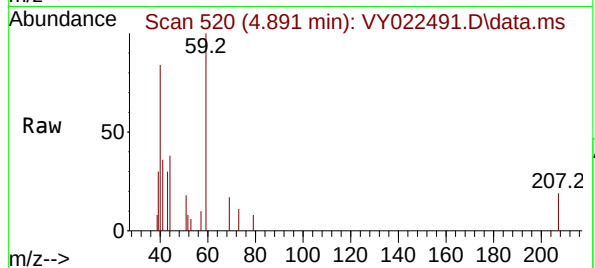
57 5.6 8.0 12.0

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

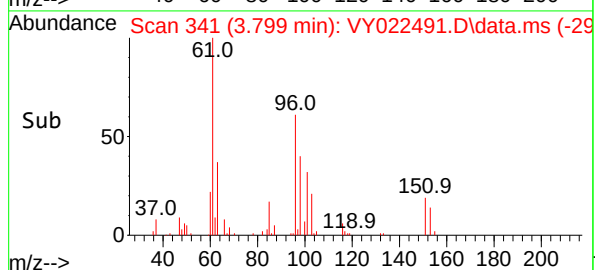
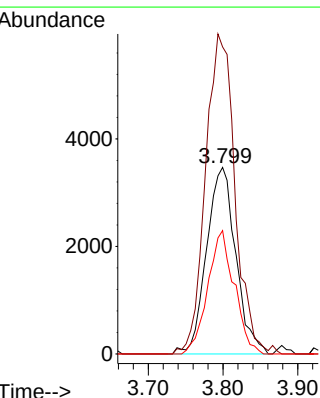
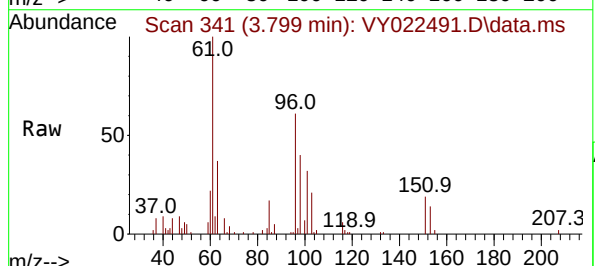
Tgt Ion: 96 Resp: 9440

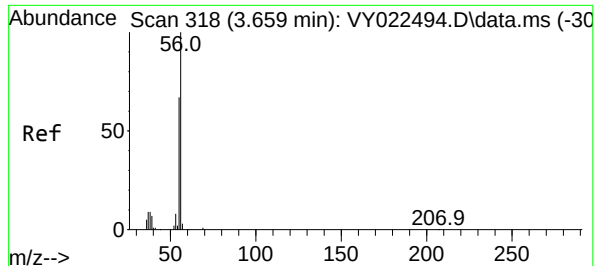
Ion Ratio Lower Upper

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 :

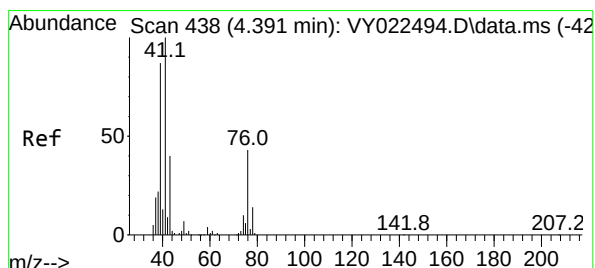
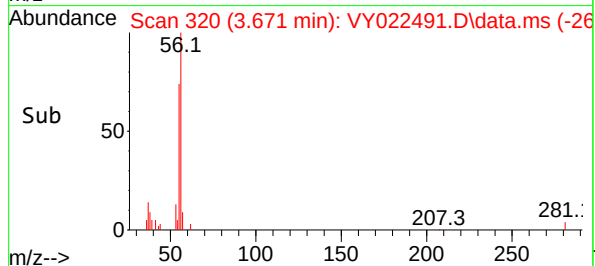
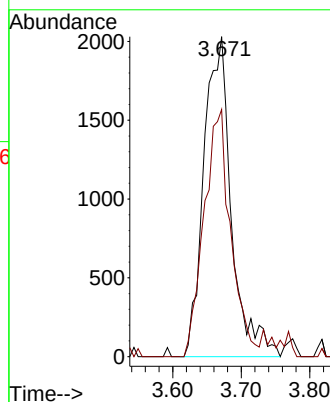
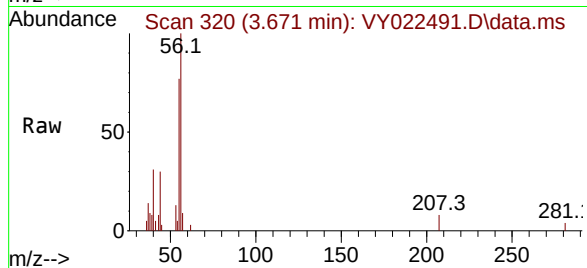
VSTDICC005

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

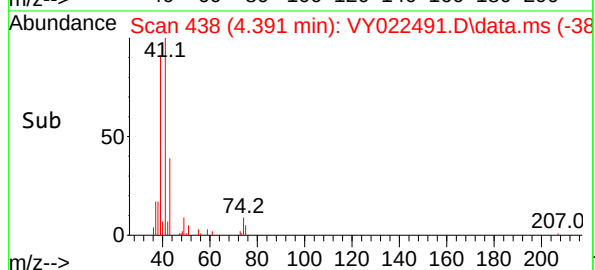
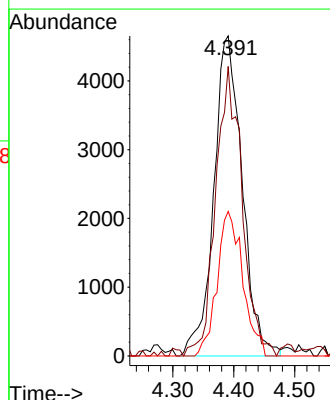
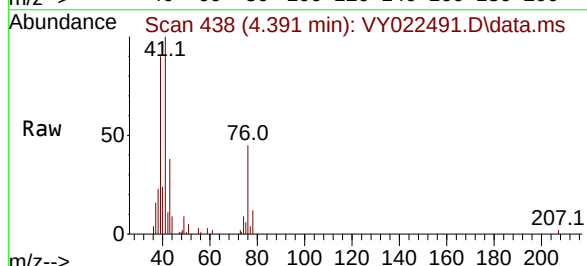
Tgt Ion: 41 Resp: 15096

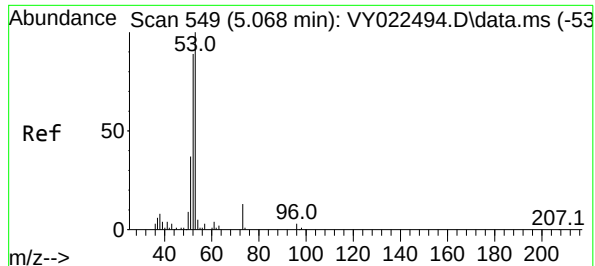
Ion Ratio Lower Upper

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 :

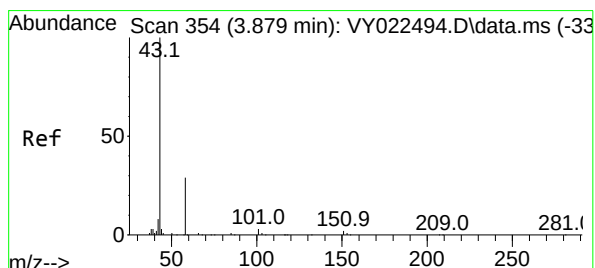
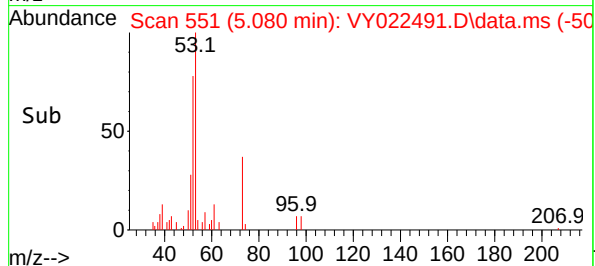
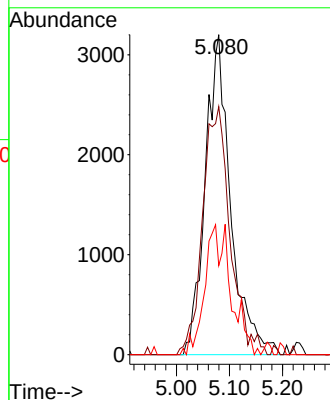
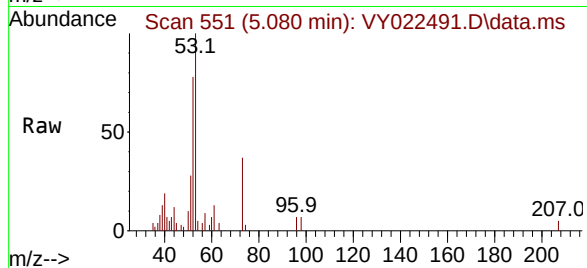
VSTDICC005

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

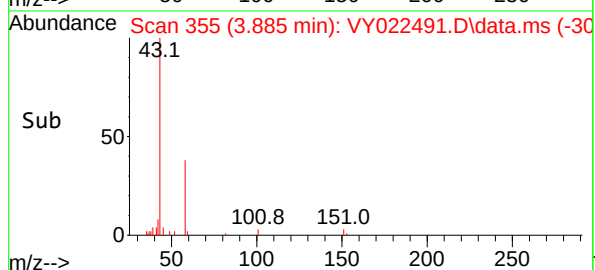
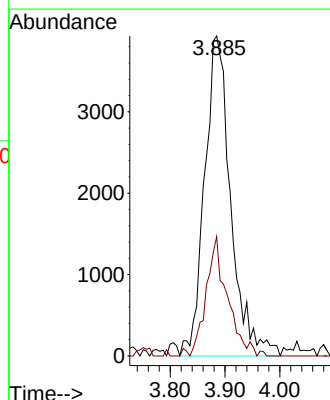
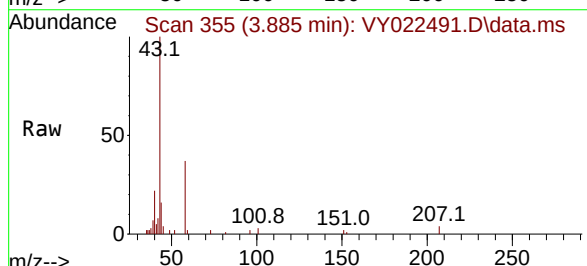
RT: 3.885 min Scan# 355

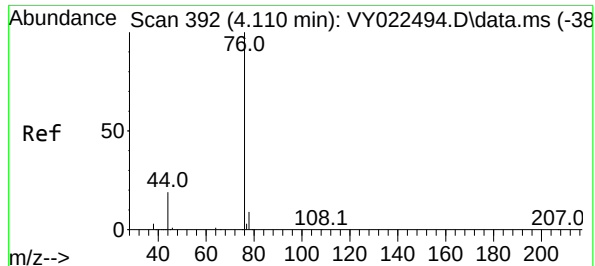
Delta R.T. 0.006 min

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

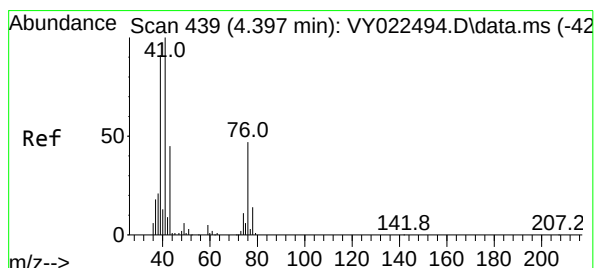
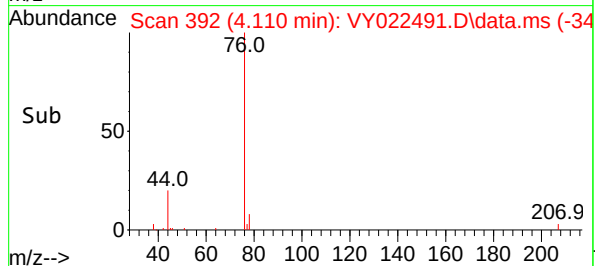
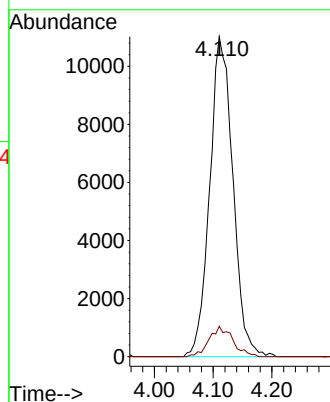
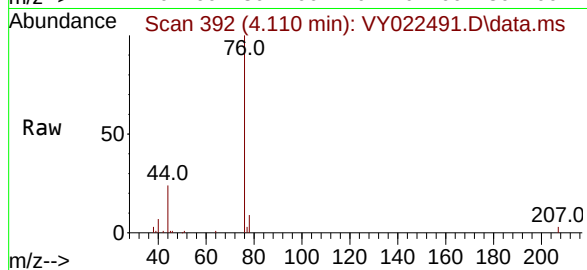
78 9.5 7.4 11.2

Manual Integrations

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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

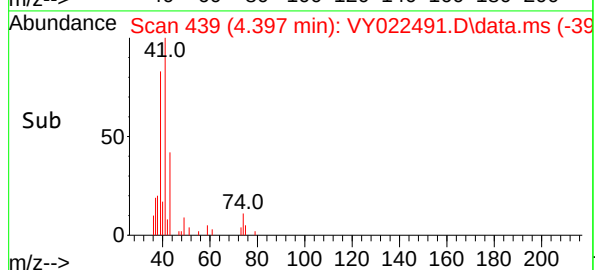
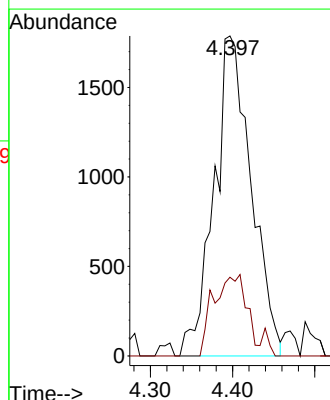
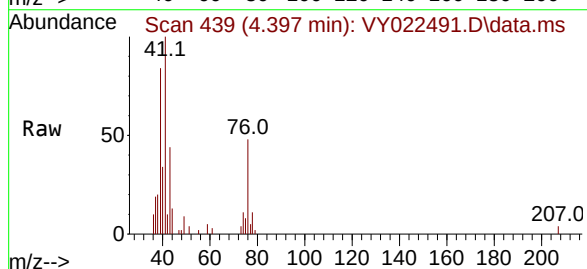
Acq: 02 Jun 2025 11:46

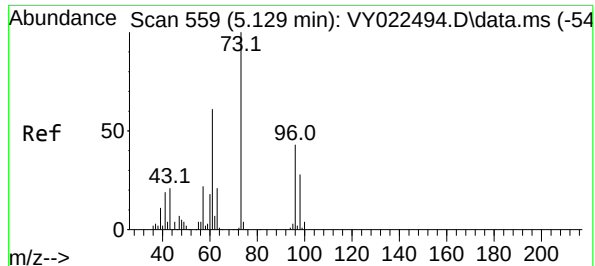
Tgt Ion: 43 Resp: 5630

Ion Ratio Lower Upper

43 100

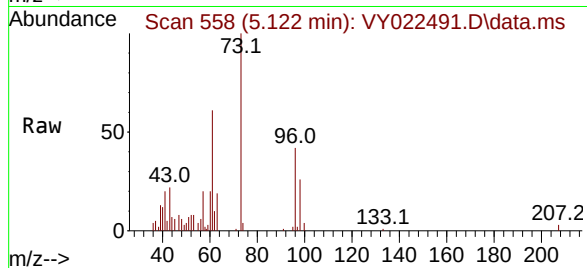
74 22.8 19.8 29.6





#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

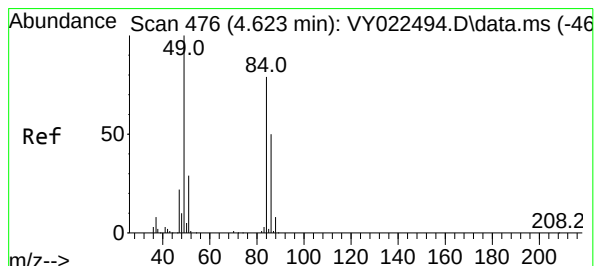
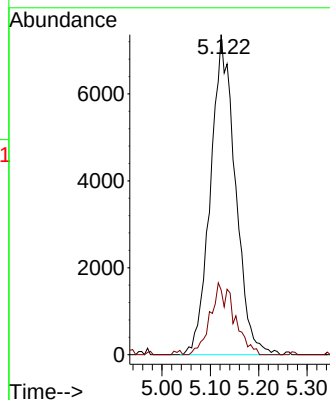
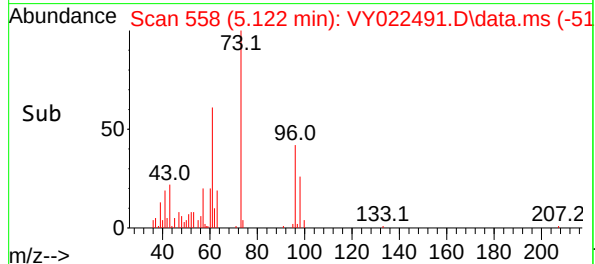
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 73 Resp: 26270
Ion Ratio Lower Upper
73 100
57 20.2 17.4 26.0

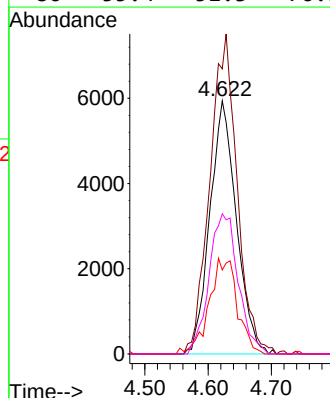
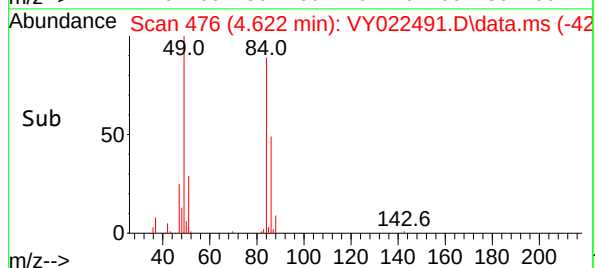
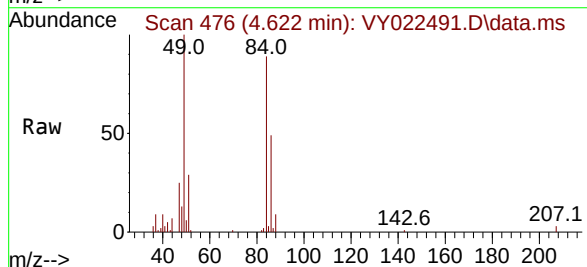
Manual Integrations
APPROVED

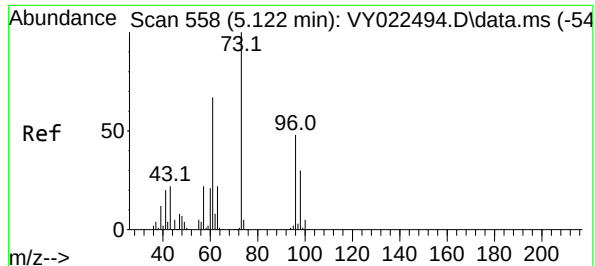
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

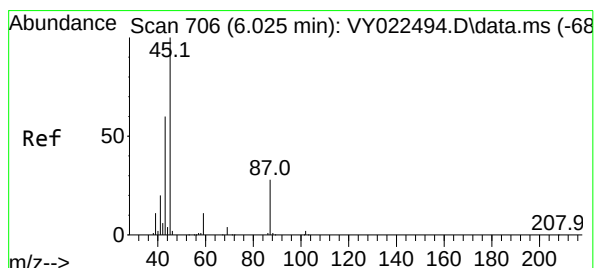
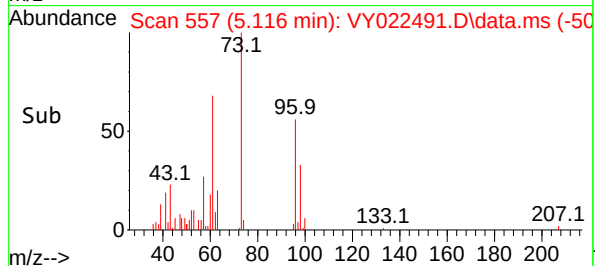
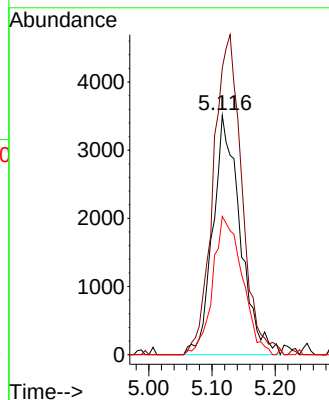
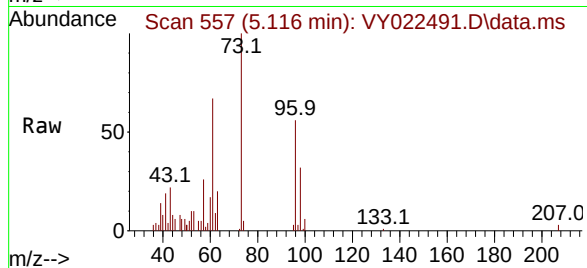
98 57.7 50.6 75.8

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

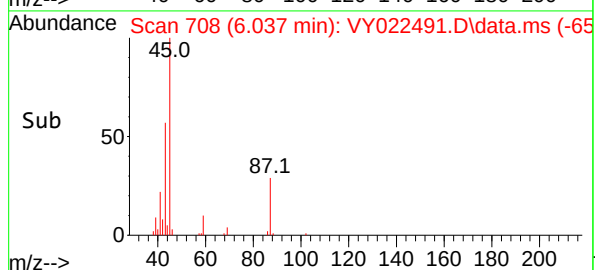
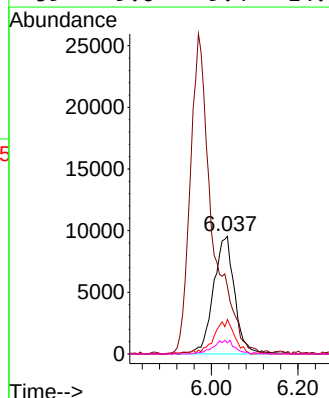
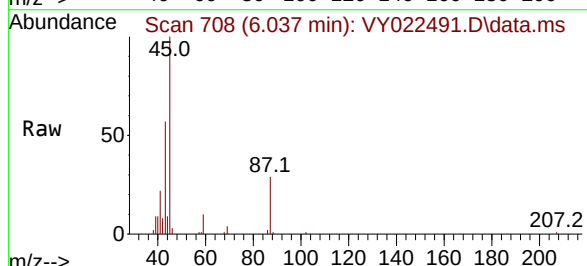
Ion Ratio Lower Upper

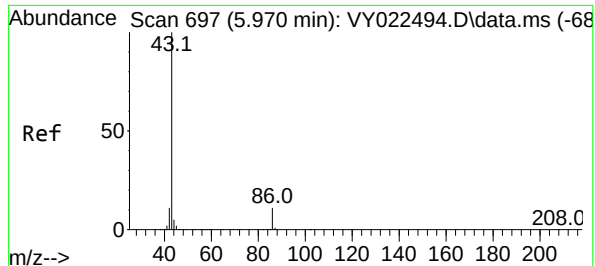
45 100

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

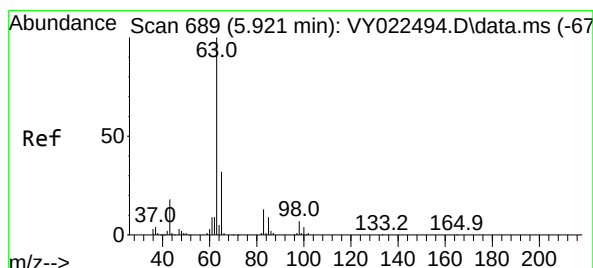
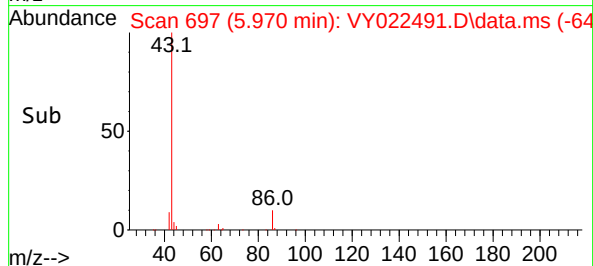
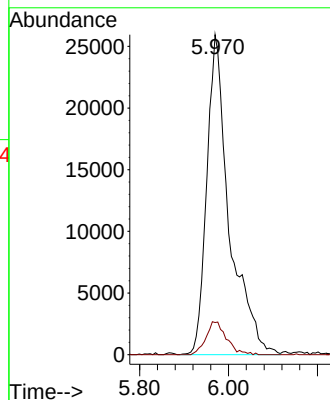
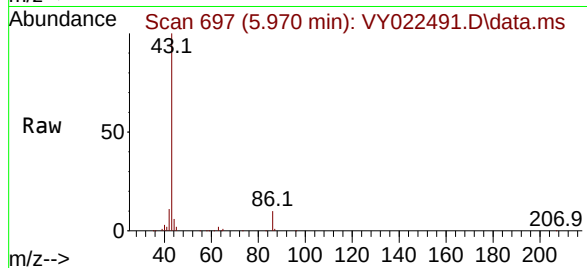
86 10.1 8.6 12.8

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

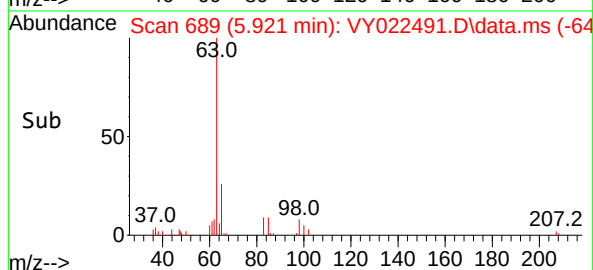
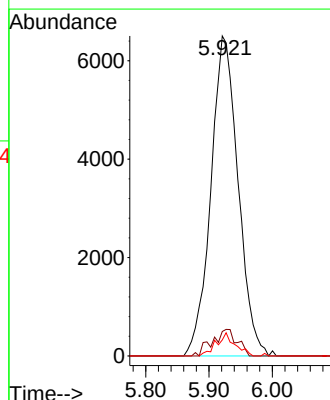
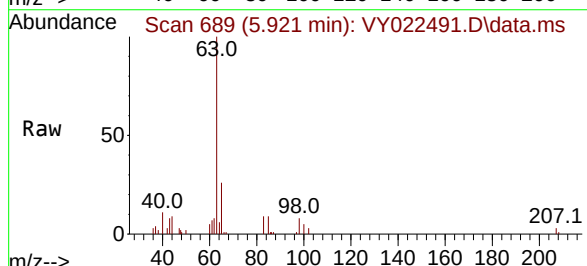
Tgt Ion: 63 Resp: 19460

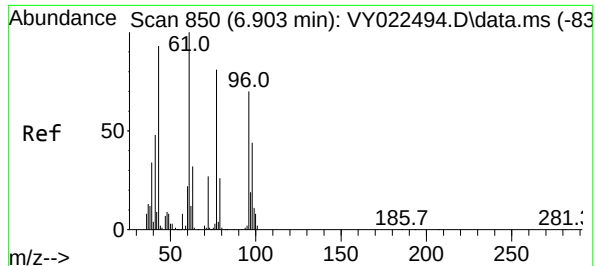
Ion Ratio Lower Upper

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

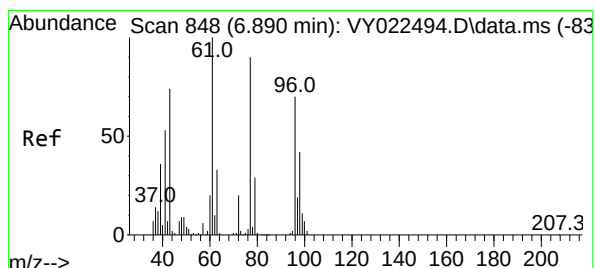
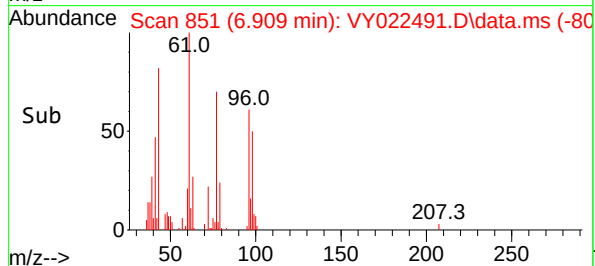
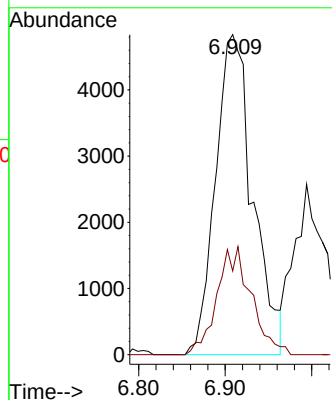
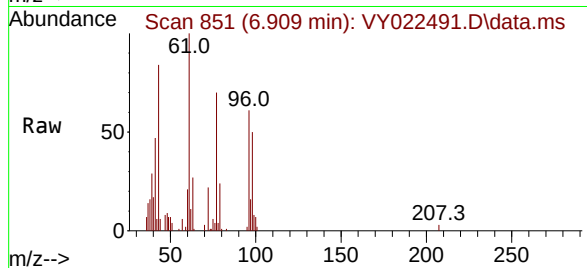
72 26.2 22.9 34.3

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

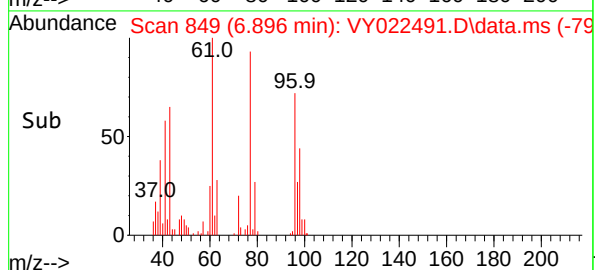
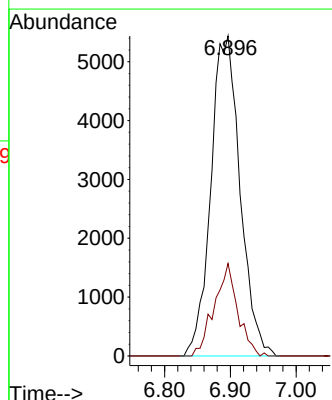
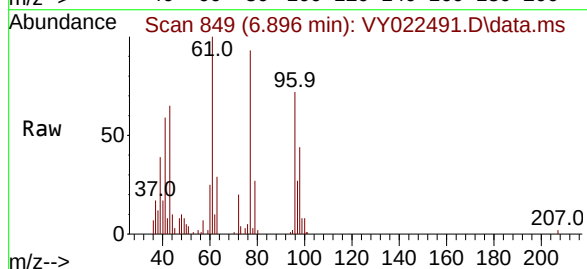
Acq: 02 Jun 2025 11:46

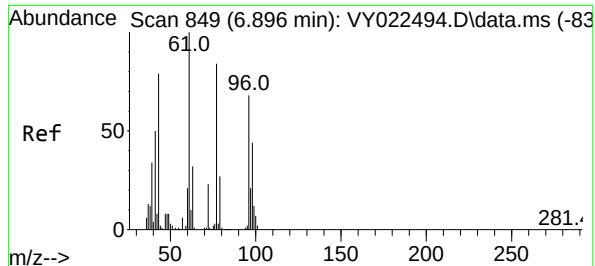
Tgt Ion: 77 Resp: 16805

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 :

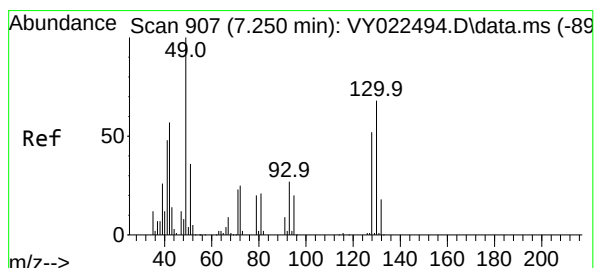
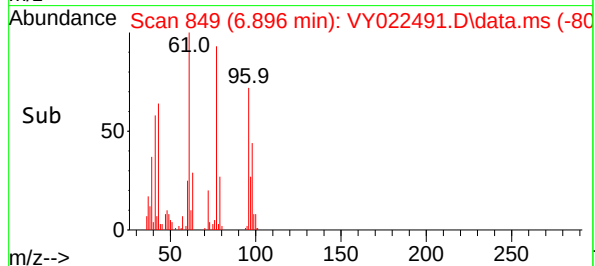
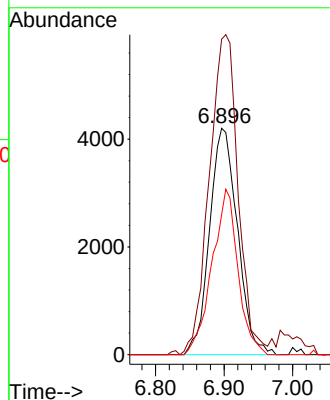
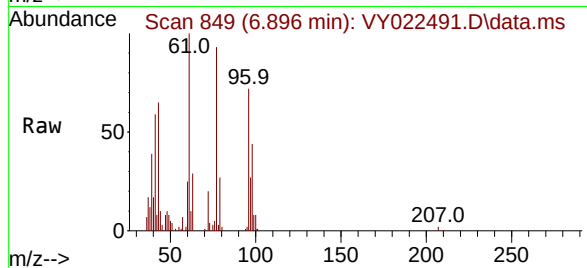
VSTDIC005

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

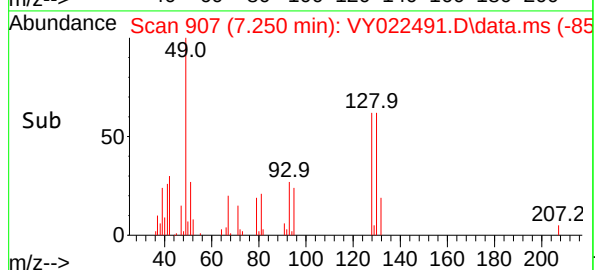
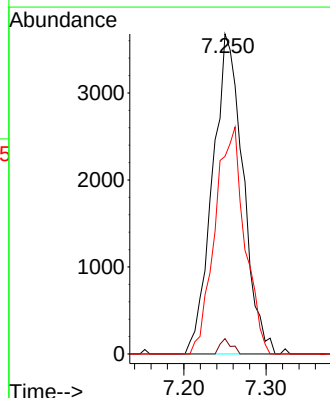
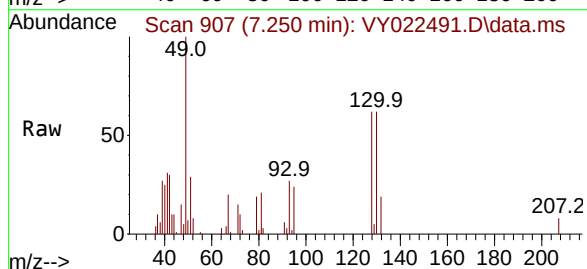
RT: 7.250 min Scan# 907

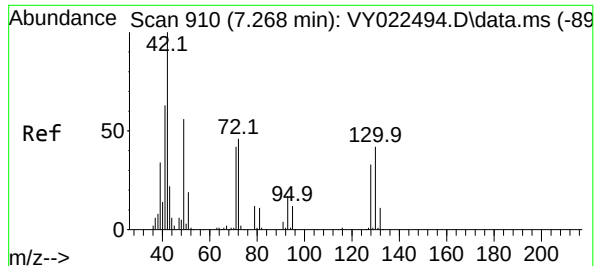
Delta R.T. -0.000 min

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 :

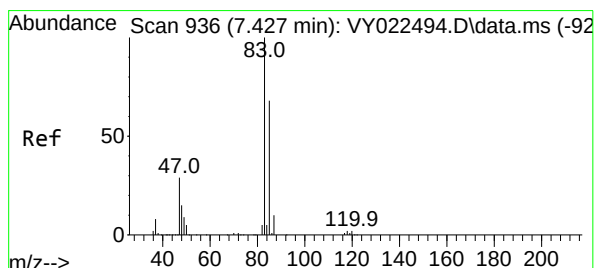
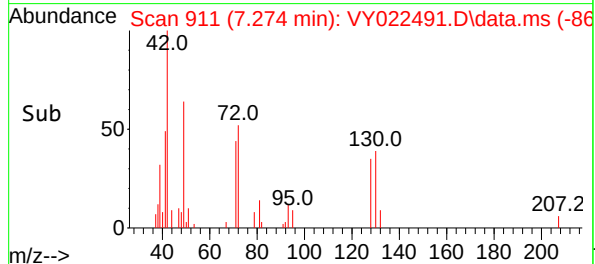
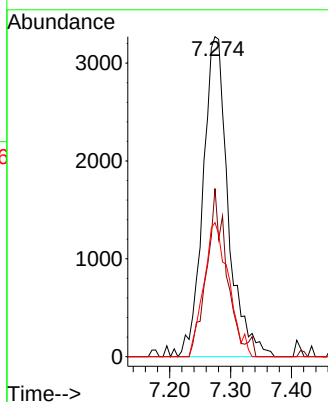
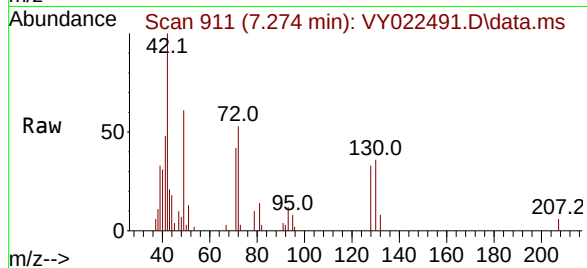
VSTDICC005

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

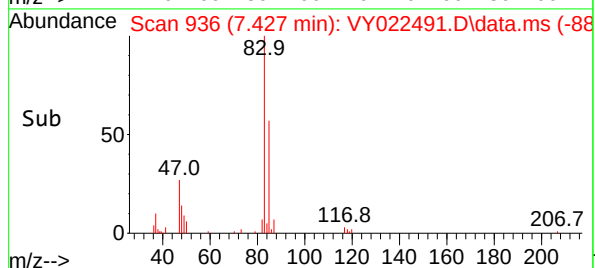
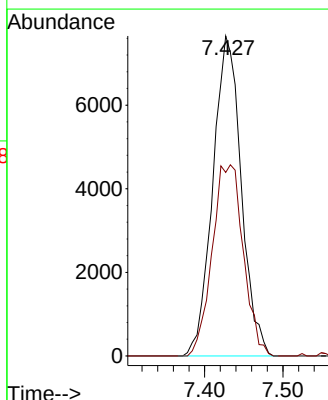
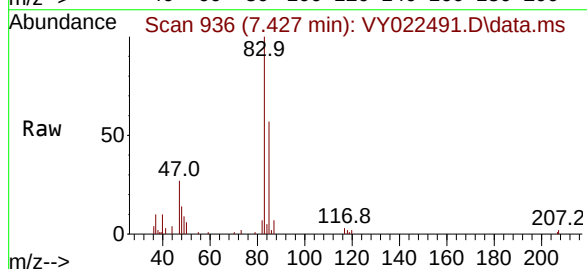
RT: 7.427 min Scan# 936

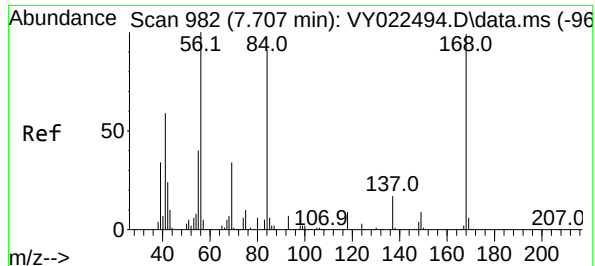
Delta R.T. -0.000 min

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

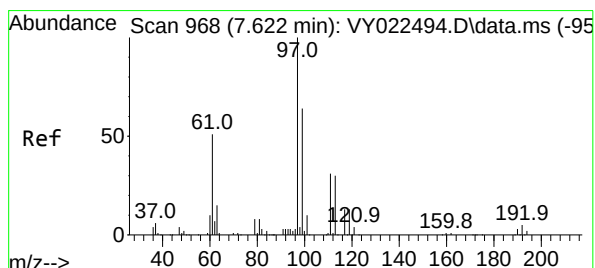
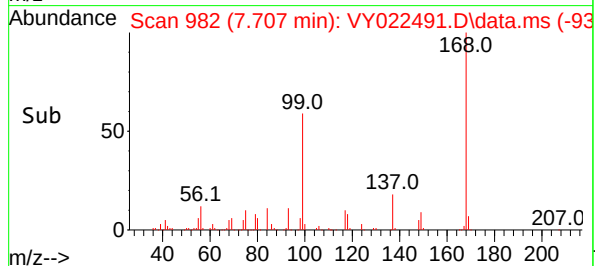
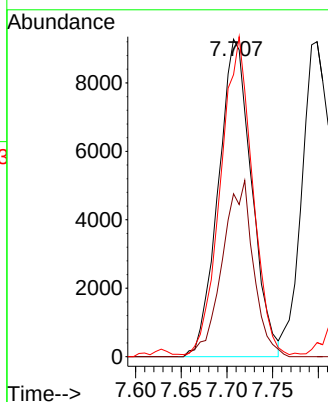
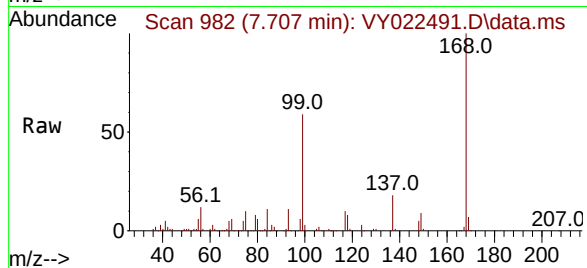
84 88.1 72.6 109.0

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

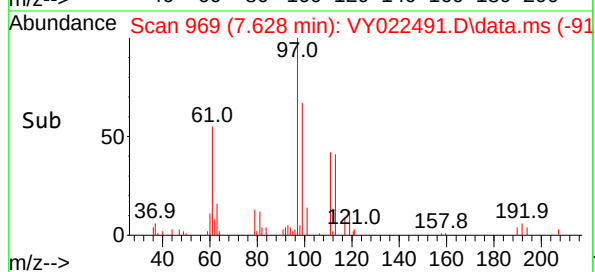
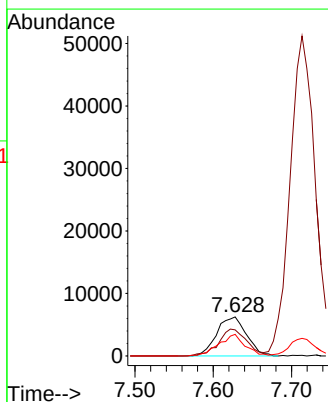
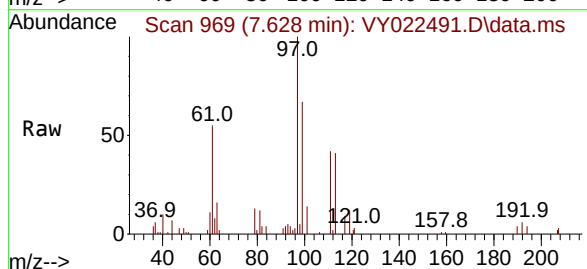
Tgt Ion: 97 Resp: 16476

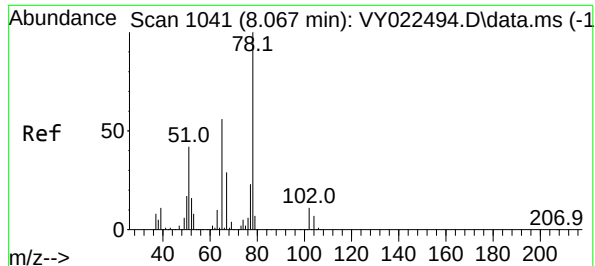
Ion Ratio Lower Upper

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

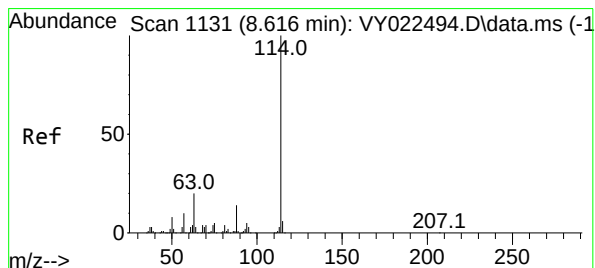
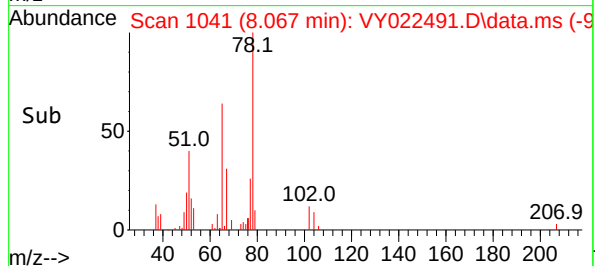
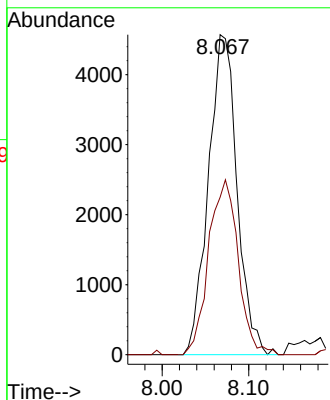
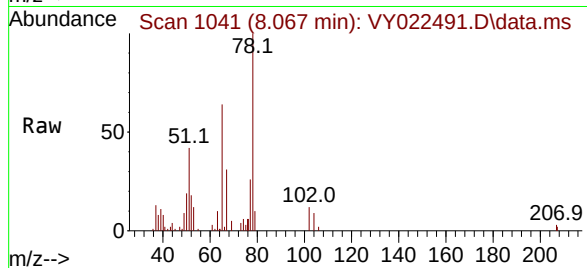
67 56.3 0.0 103.4

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

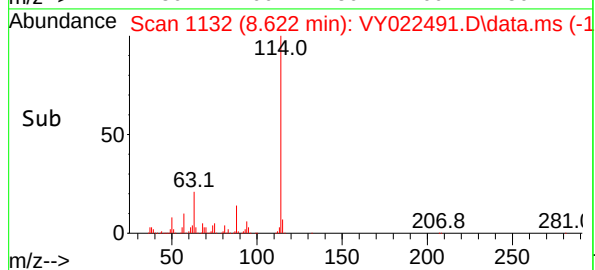
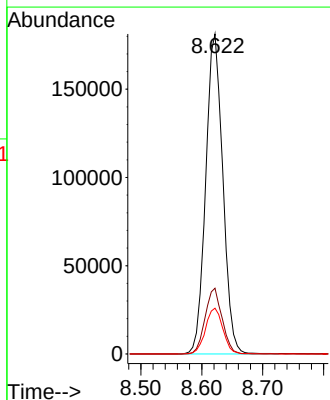
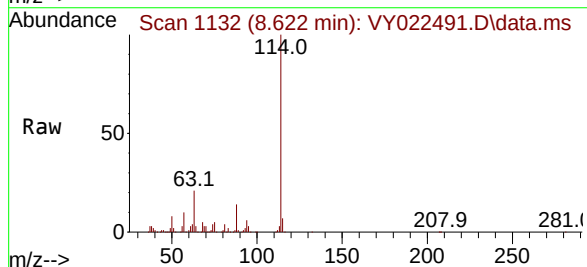
Tgt Ion:114 Resp: 353755

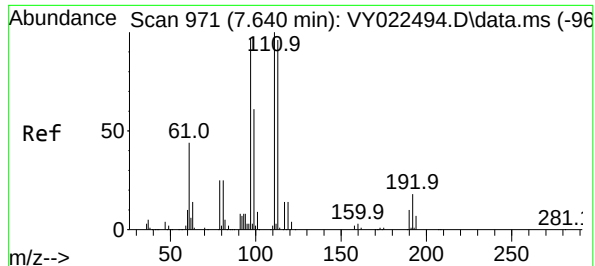
Ion Ratio Lower Upper

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

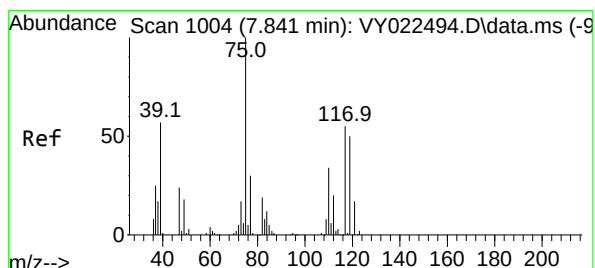
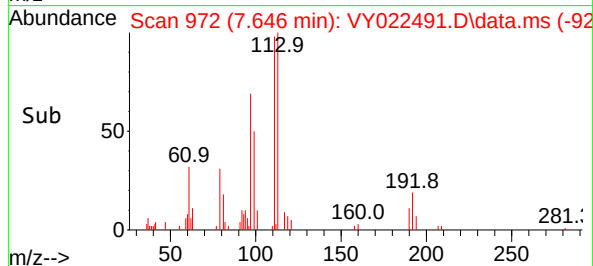
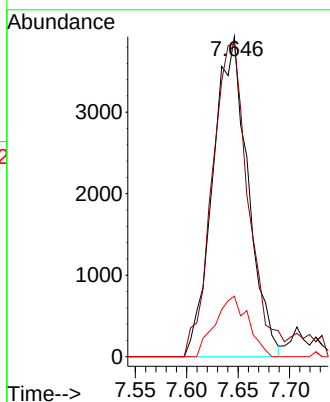
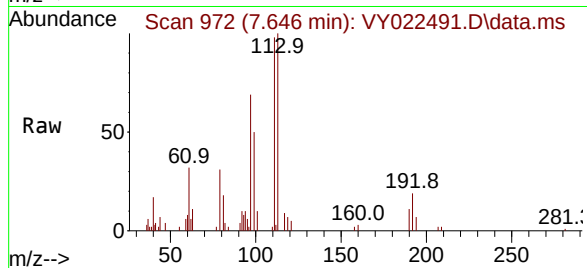
192 17.8 14.2 21.2

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

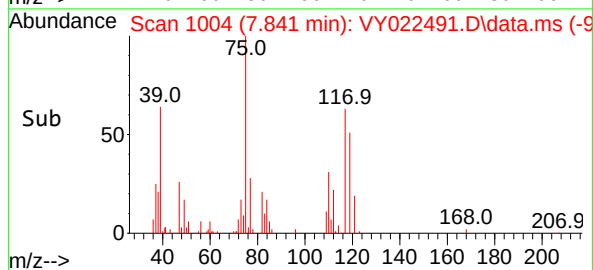
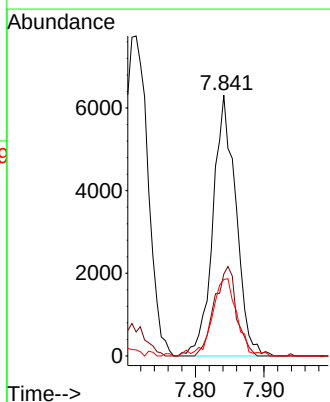
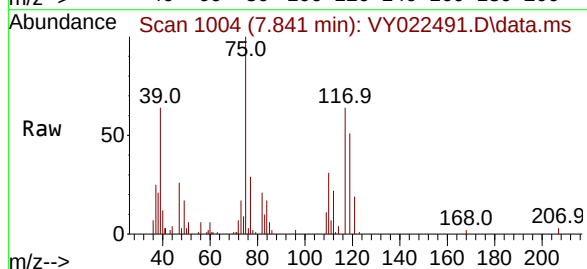
Tgt Ion: 75 Resp: 14700

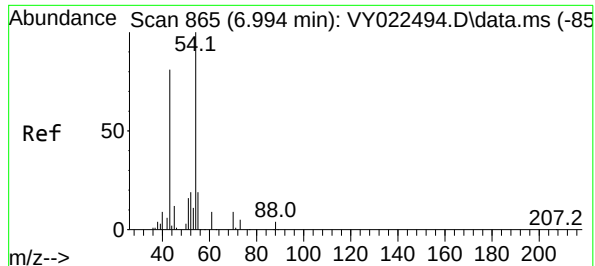
Ion Ratio Lower Upper

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 :

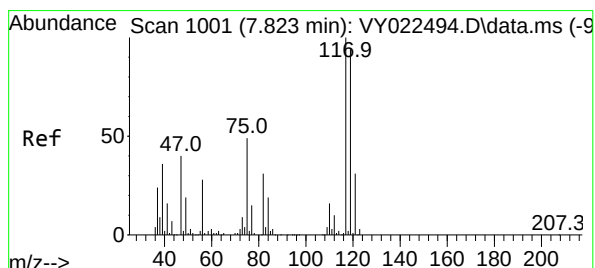
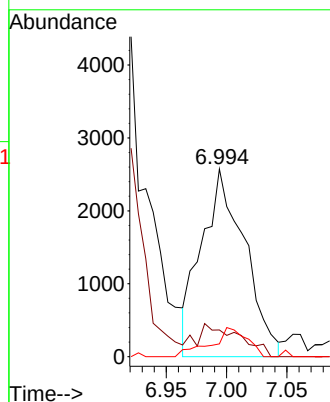
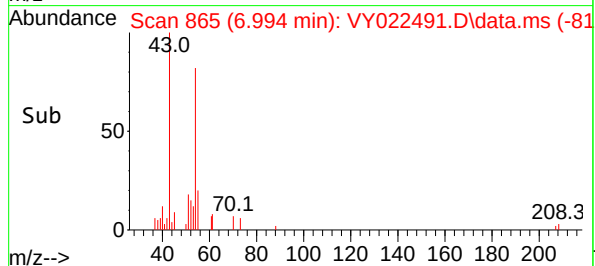
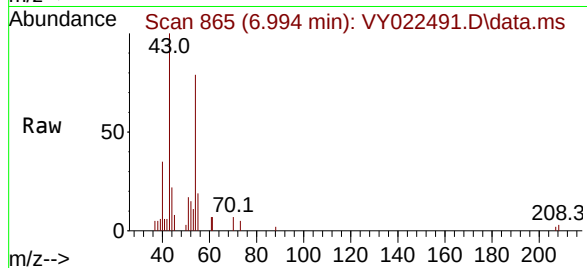
VSTDICC005

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

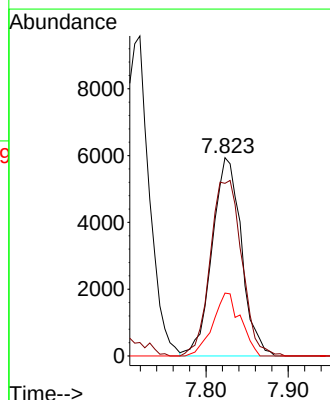
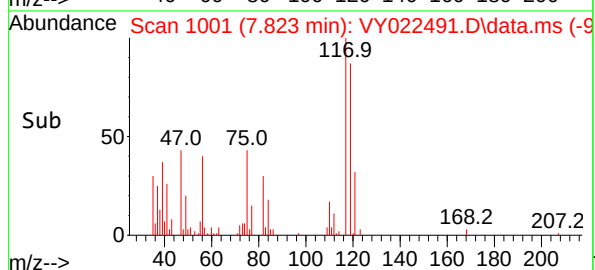
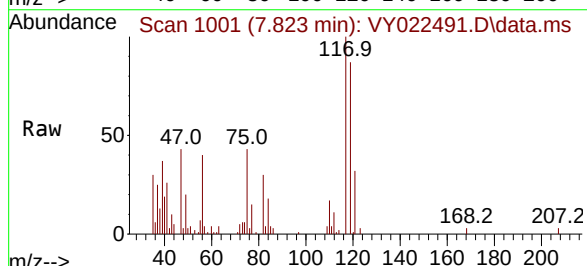
RT: 7.823 min Scan# 1001

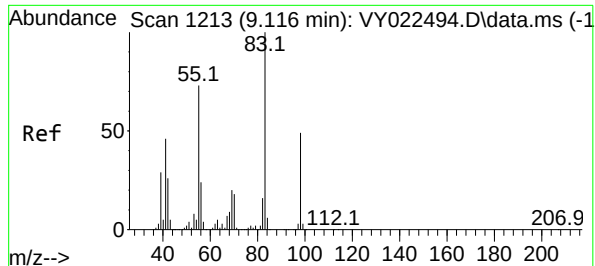
Delta R.T. -0.000 min

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 :

VSTDIC005

Tgt Ion: 83 Resp: 20070

Ion Ratio Lower Upper

83 100

55 76.4 58.1 87.1

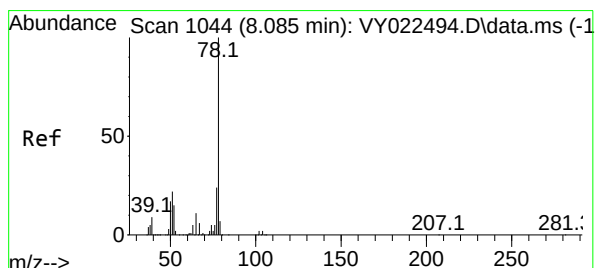
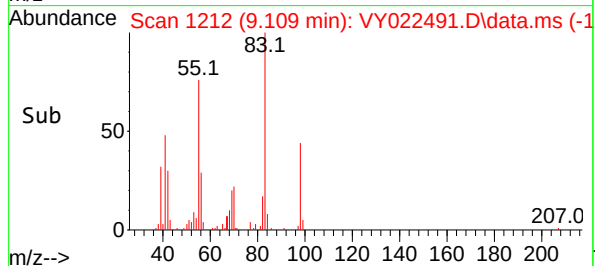
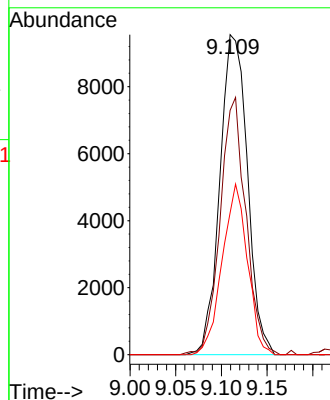
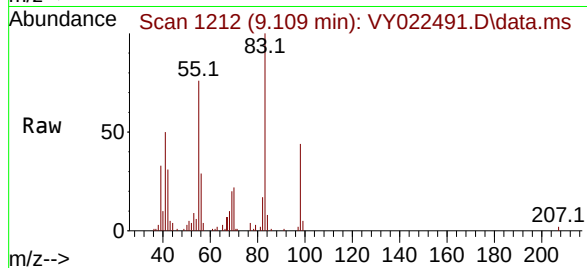
98 44.4 39.0 58.6

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

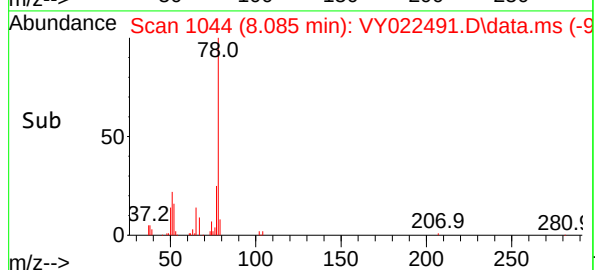
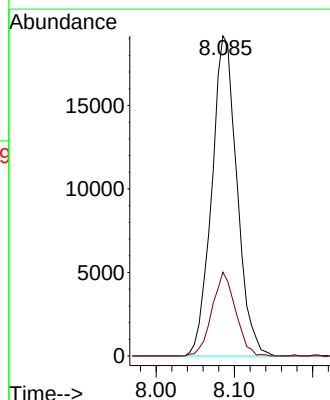
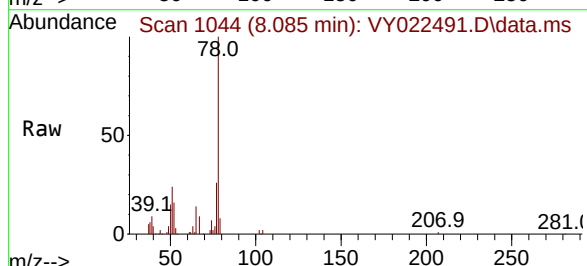
Acq: 02 Jun 2025 11:46

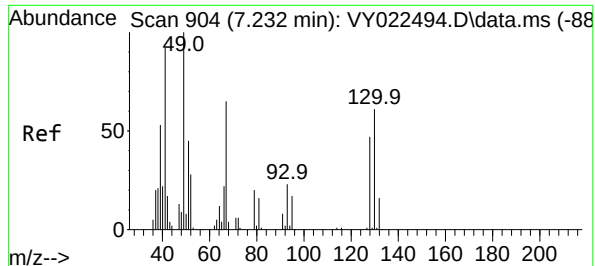
Tgt Ion: 78 Resp: 42926

Ion Ratio Lower Upper

78 100

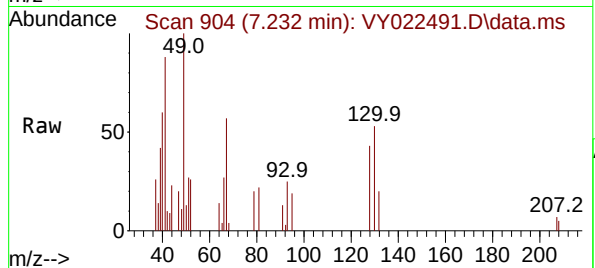
77 26.2 19.3 28.9





#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

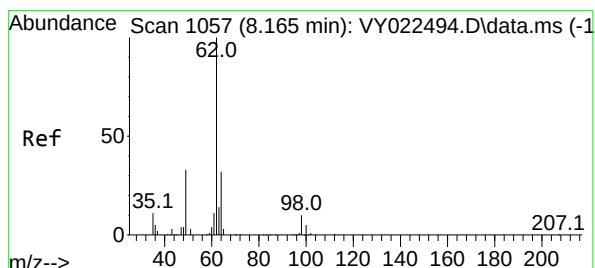
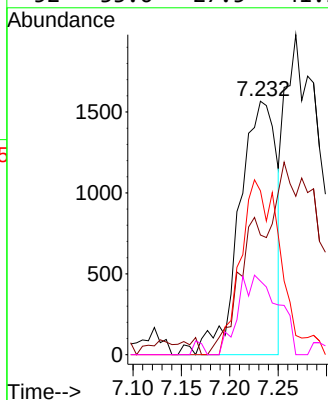
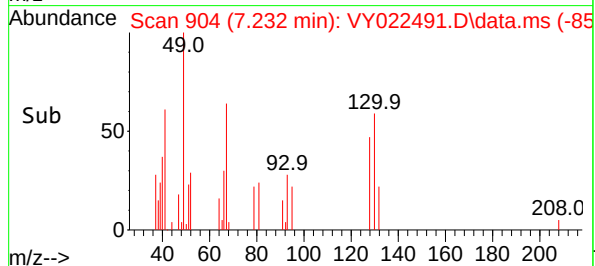
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



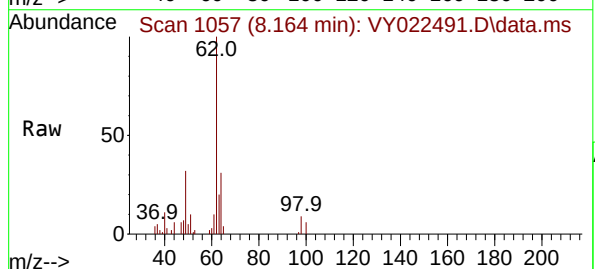
Tgt Ion: 41 Resp: 4192
Ion Ratio Lower Upper
41 100
39 40.1 46.6 69.8
67 74.0 63.3 94.9
52 33.6 27.5 41.3

Manual Integrations
APPROVED

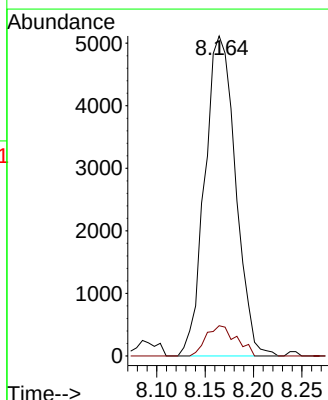
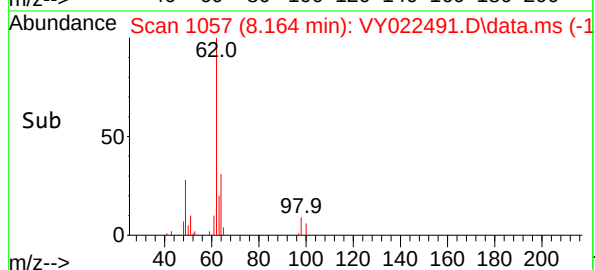
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

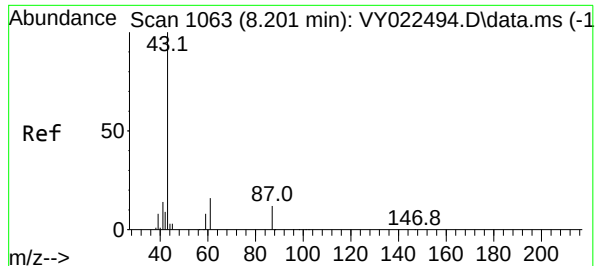


#42
1,2-Dichloroethane
Concen: 4.198 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46



Tgt Ion: 62 Resp: 11332
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.2





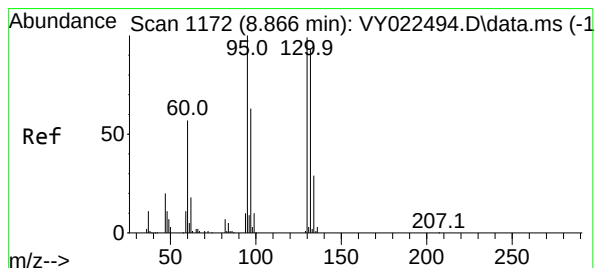
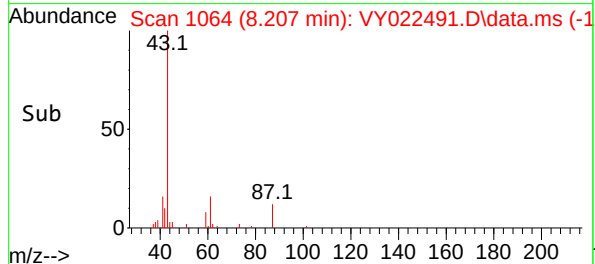
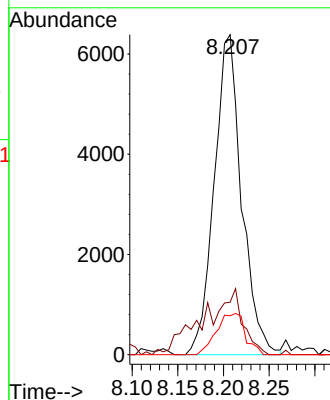
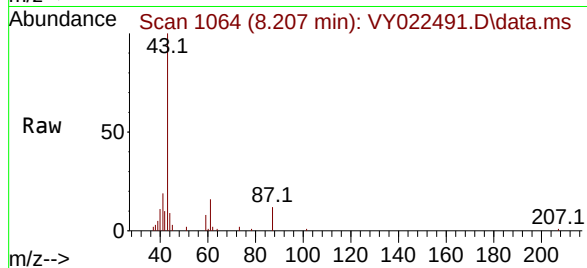
#43
Isopropyl Acetate
Concen: 4.117 ug/l
RT: 8.207 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

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

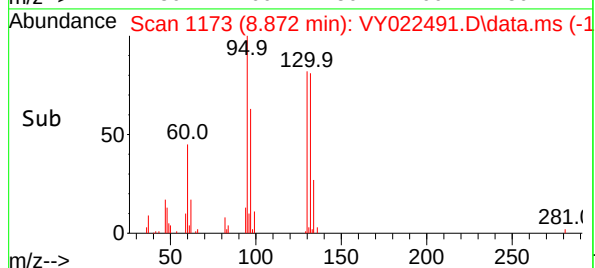
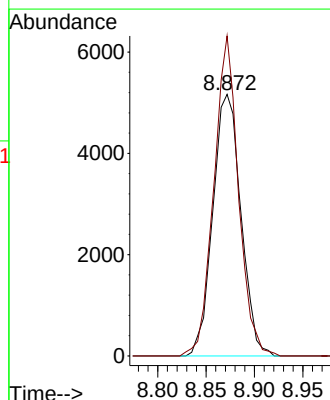
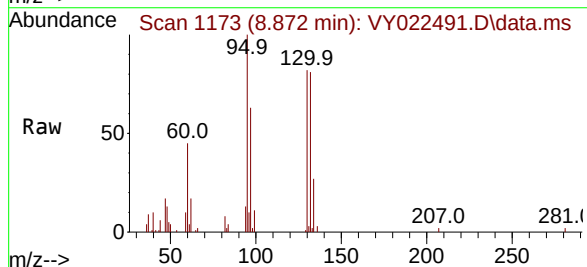
Manual Integrations
APPROVED

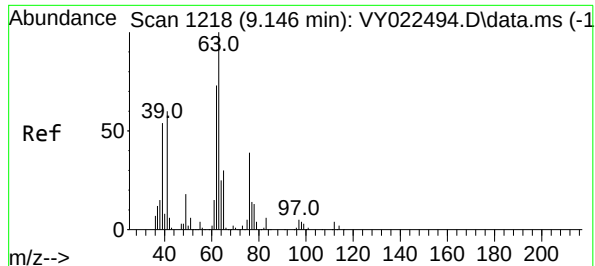
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

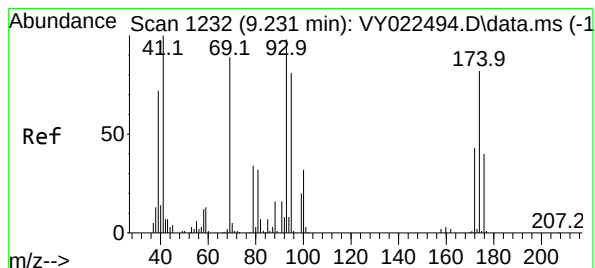
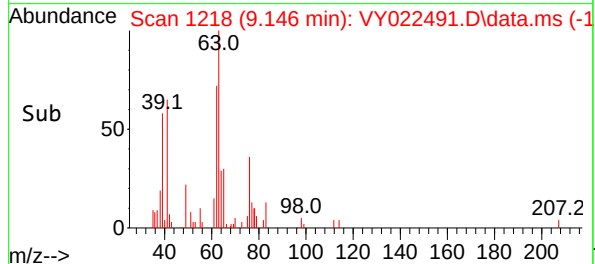
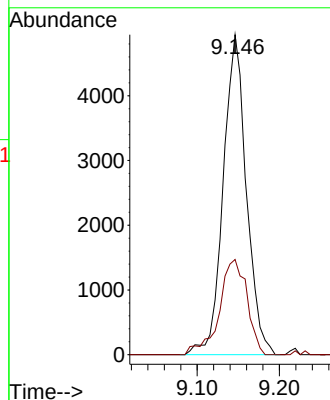
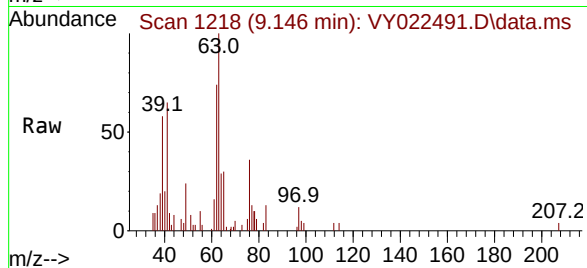
65 29.7 24.0 36.0

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

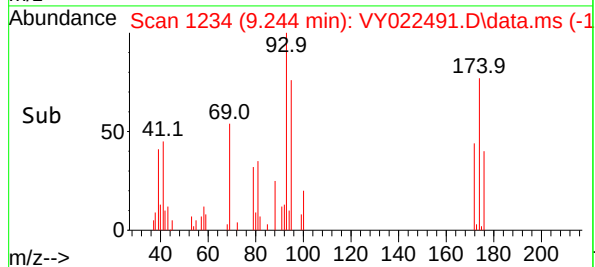
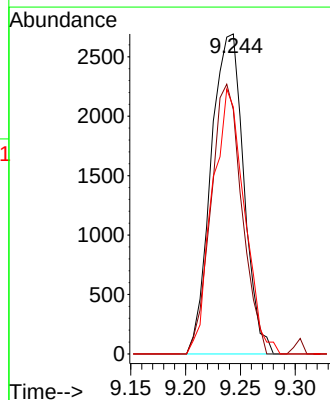
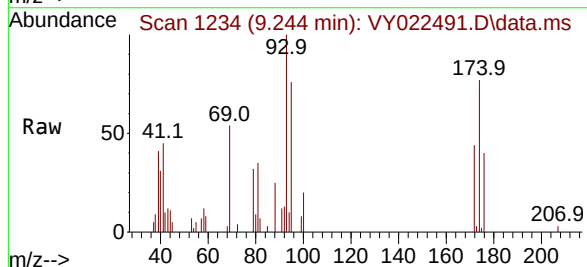
Tgt Ion: 93 Resp: 5596

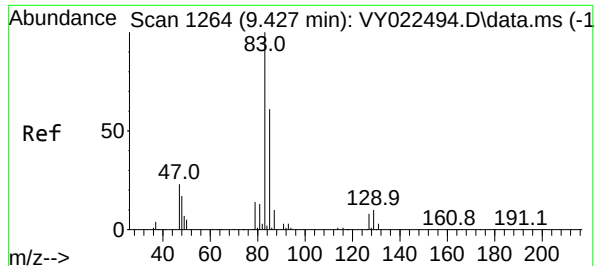
Ion Ratio Lower Upper

93 100

95 79.9 65.6 98.4

174 81.3 70.4 105.6





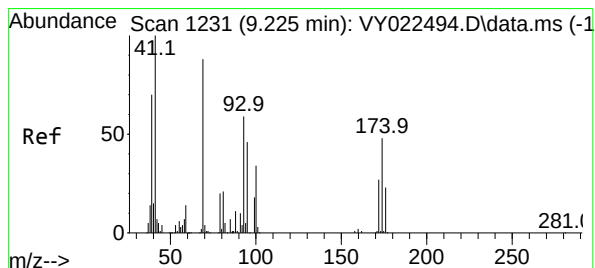
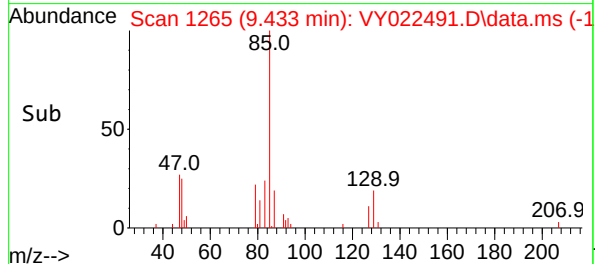
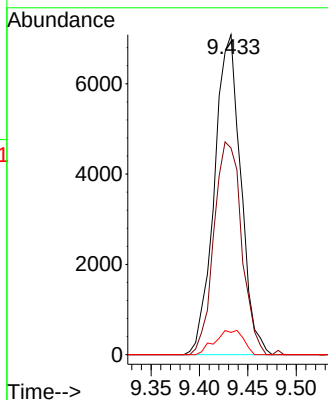
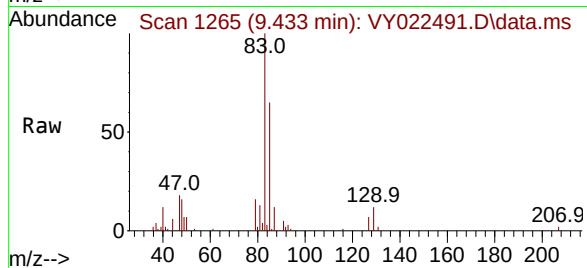
#47
Bromodichloromethane
Concen: 3.999 ug/l
RT: 9.433 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

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

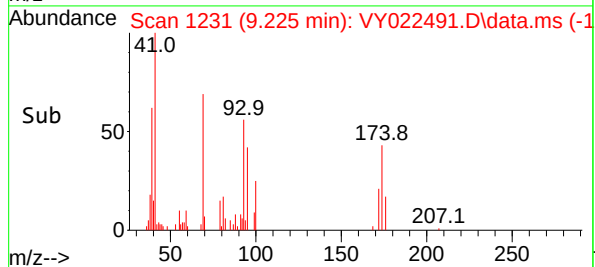
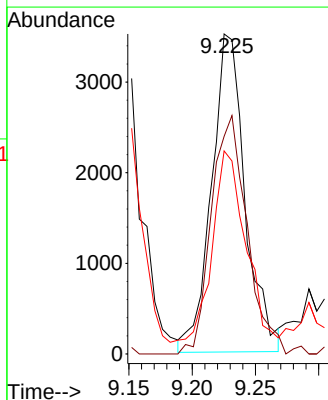
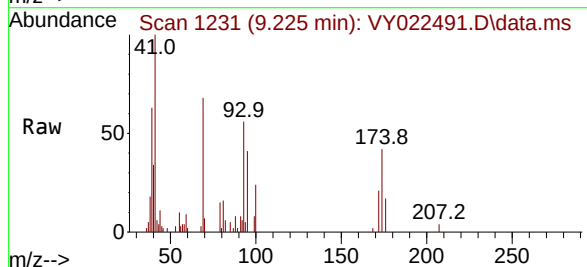
Manual Integrations
APPROVED

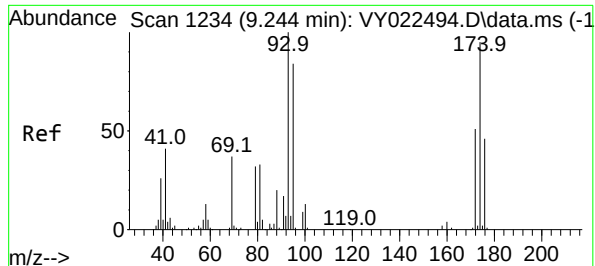
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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# 1232

Delta R.T. -0.012 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

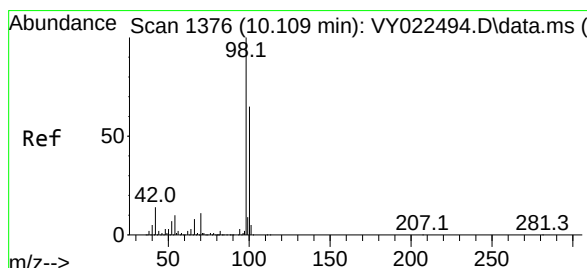
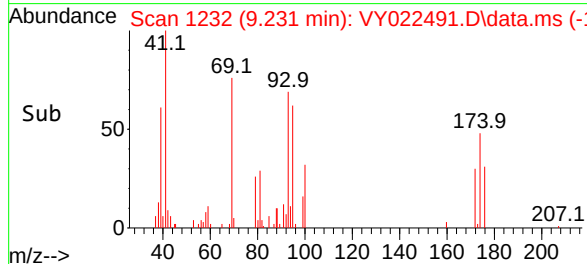
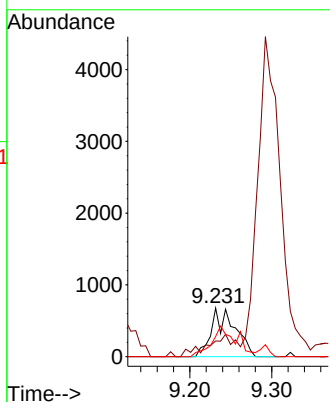
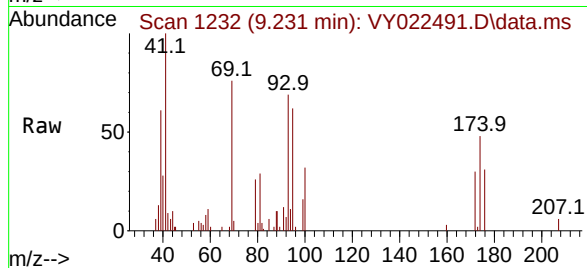
VSTDIC005

Tgt Ion	88	Resp	135
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

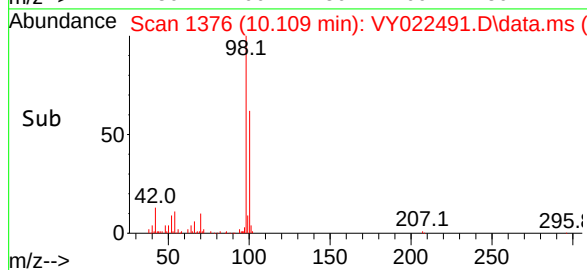
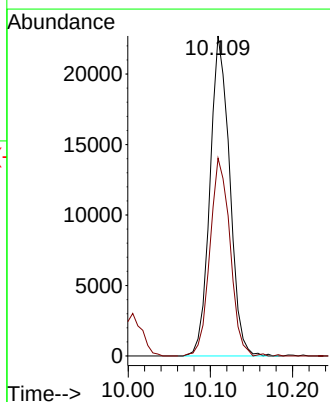
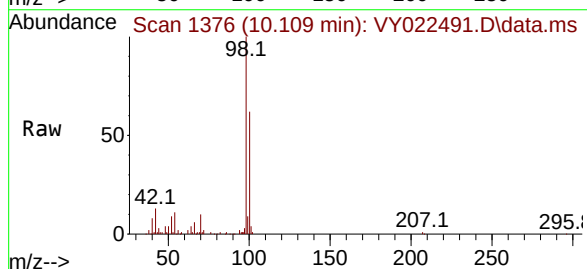
RT: 10.109 min Scan# 1376

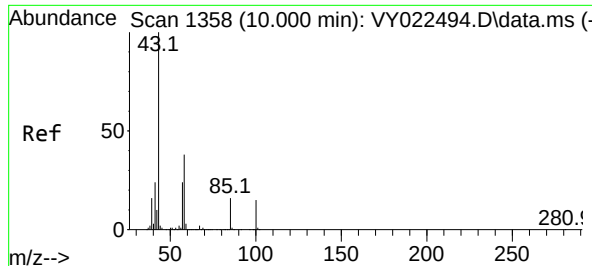
Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

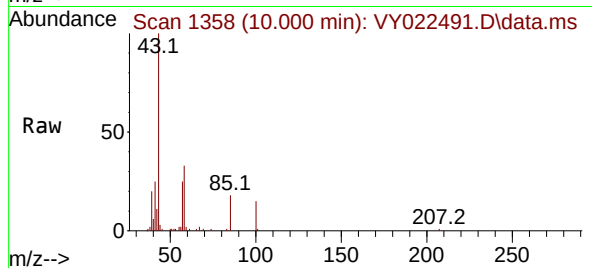
Tgt Ion	98	Resp	37729
Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.4	77.0





#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

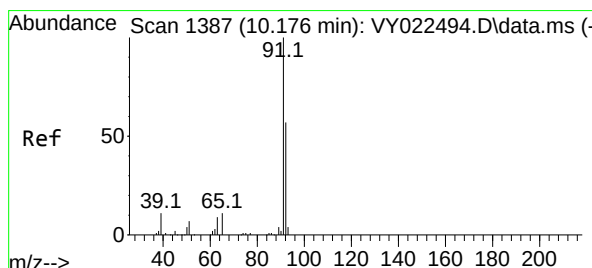
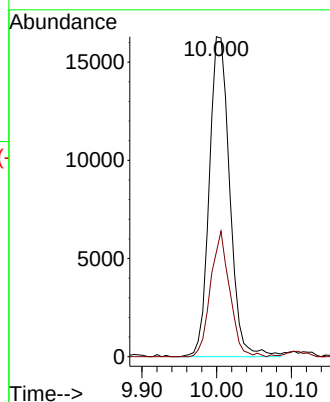
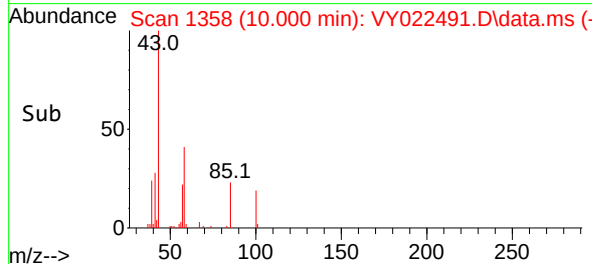
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 30969
Ion Ratio Lower Upper
43 100
58 36.7 30.4 45.6

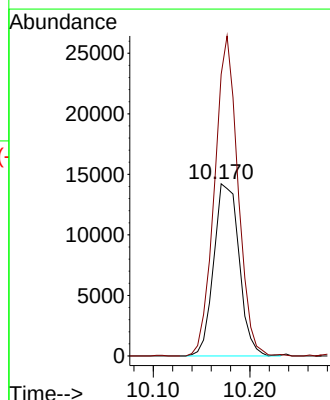
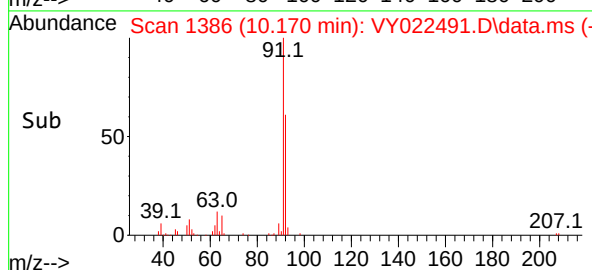
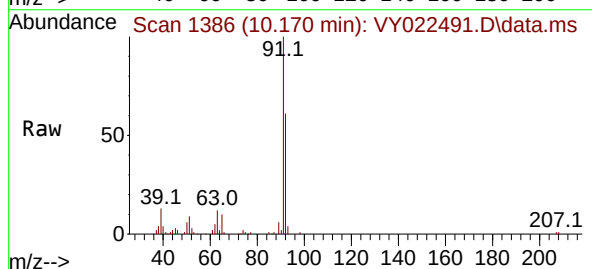
Manual Integrations
APPROVED

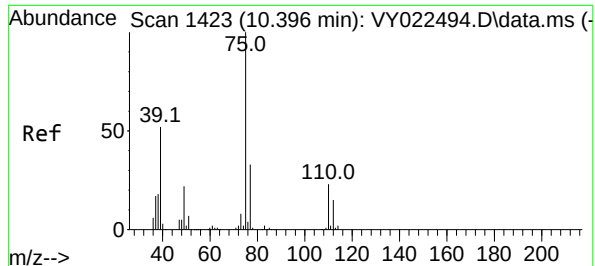
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

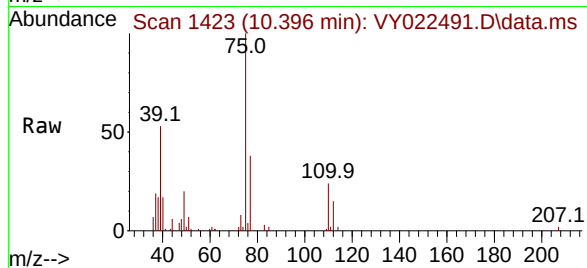
Tgt Ion: 92 Resp: 25893
Ion Ratio Lower Upper
92 100
91 171.8 139.0 208.4





#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

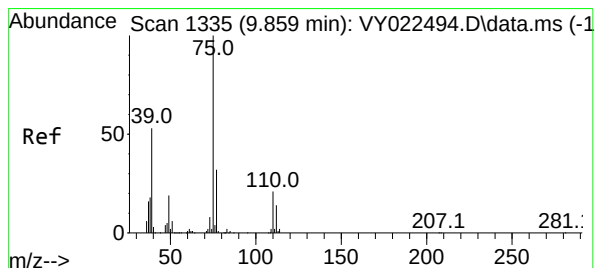
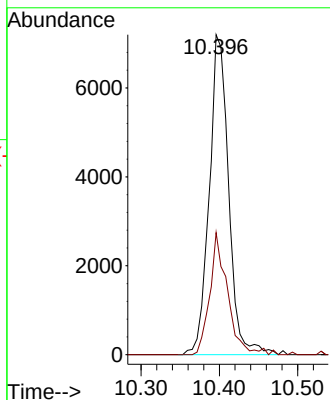
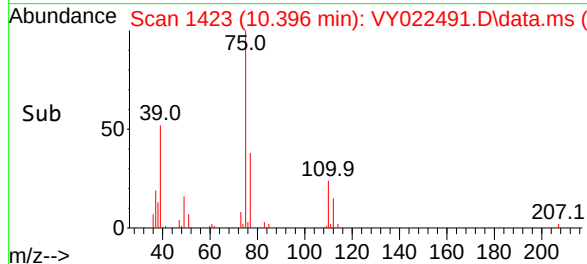
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 1238
Ion Ratio Lower Upper
75 100
77 38.1 26.5 39.7

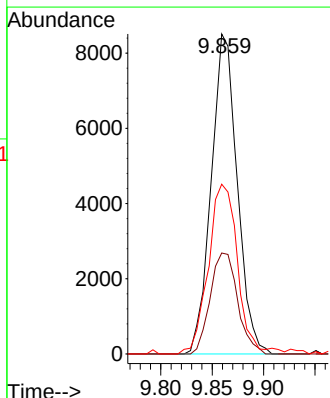
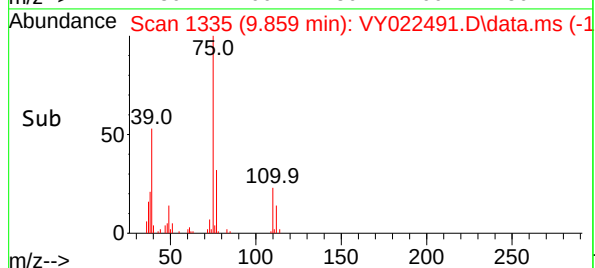
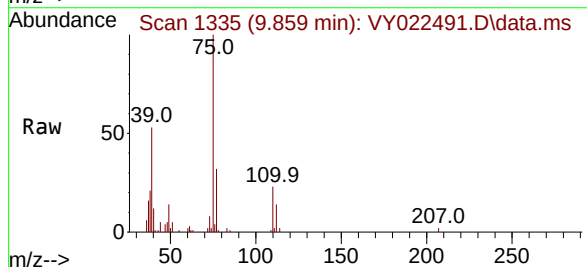
Manual Integrations
APPROVED

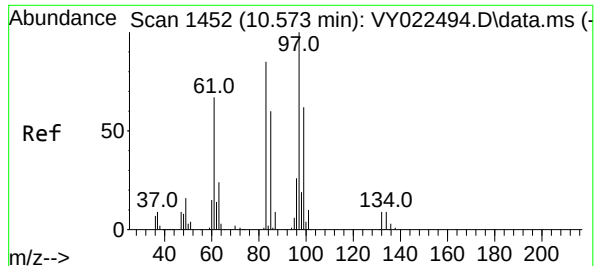
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

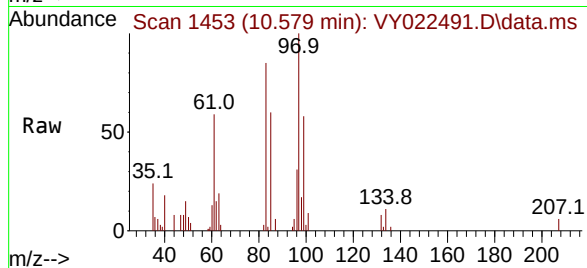
Tgt Ion: 75 Resp: 14966
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9
39 53.0 42.7 64.1





#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

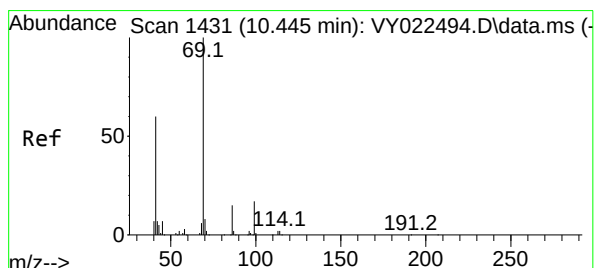
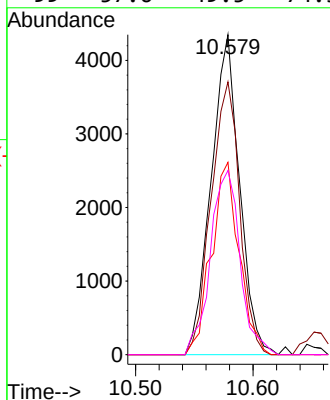
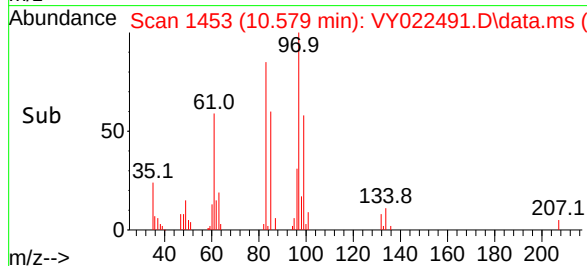
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

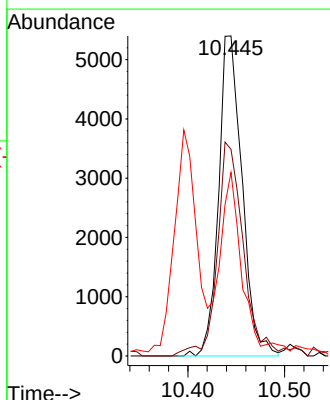
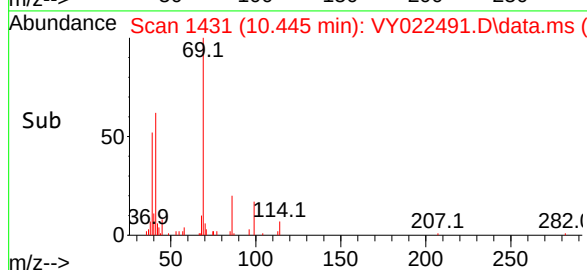
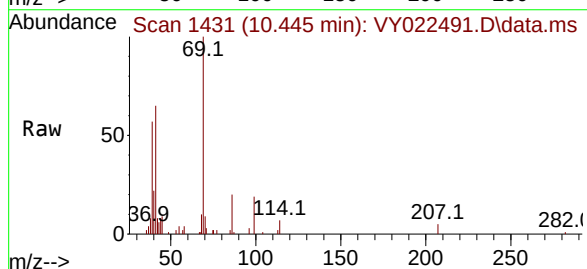
Manual Integrations
APPROVED

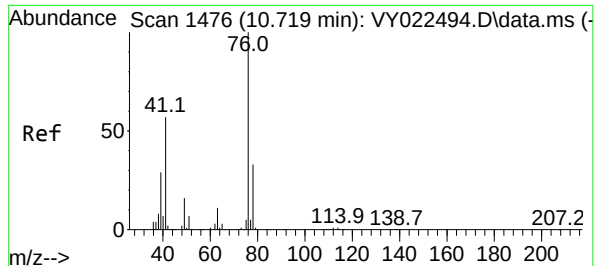
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

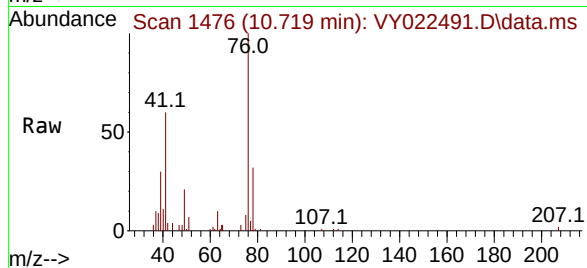
Tgt Ion: 69 Resp: 9092
Ion Ratio Lower Upper
69 100
41 73.4 52.2 78.2
39 46.3 36.7 55.1





#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

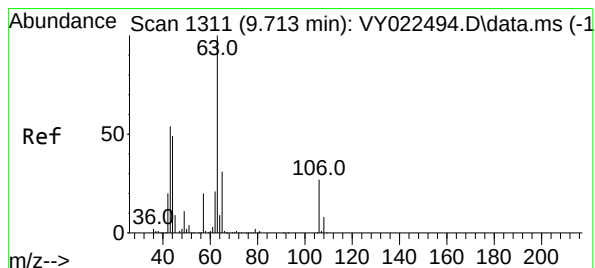
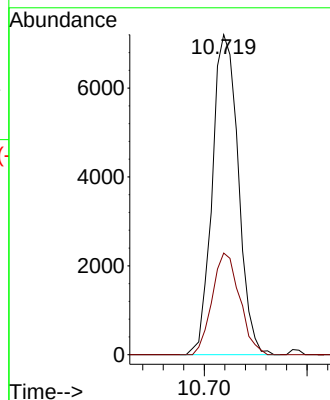
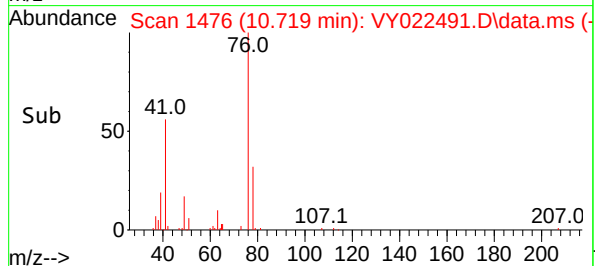
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 76 Resp: 12648
Ion Ratio Lower Upper
76 100
78 33.6 25.8 38.8

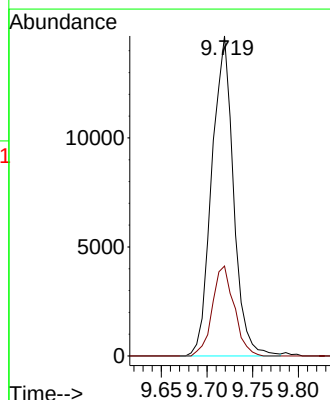
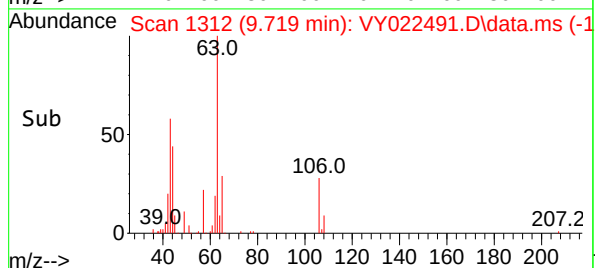
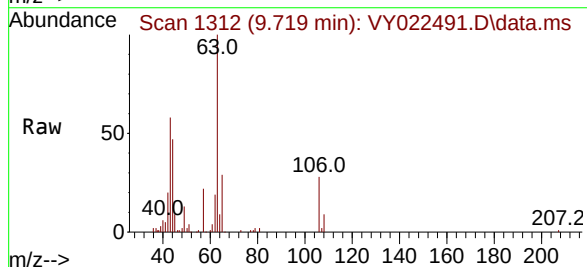
Manual Integrations
APPROVED

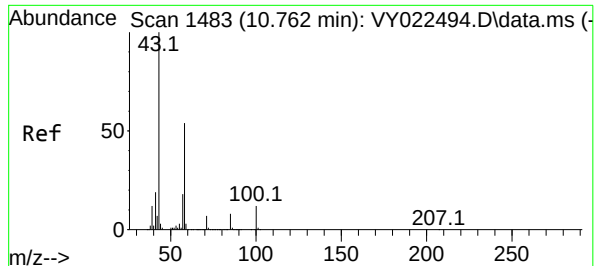
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

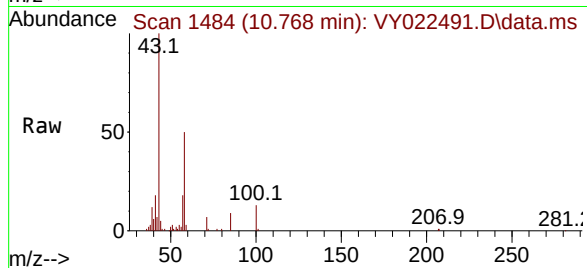
Tgt Ion: 63 Resp: 24214
Ion Ratio Lower Upper
63 100
106 28.3 21.6 32.4





#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

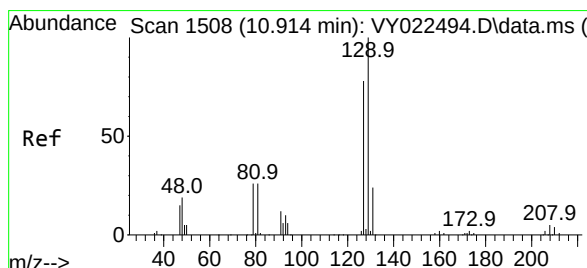
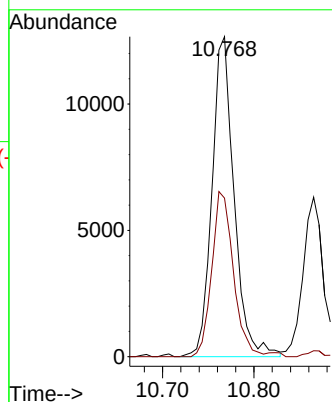
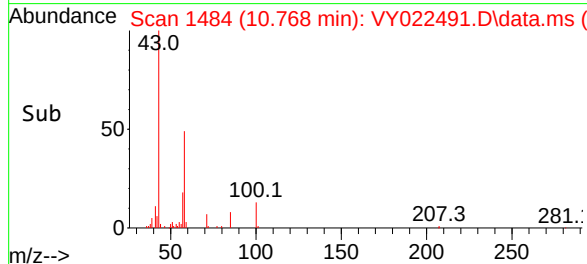
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 2124
Ion Ratio Lower Upper
43 100
58 50.4 27.3 81.8

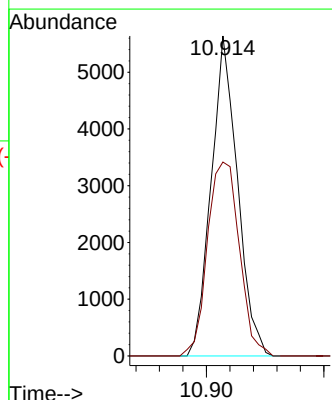
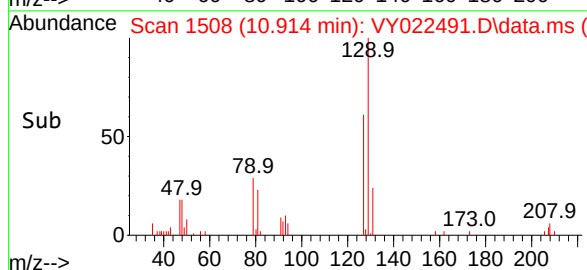
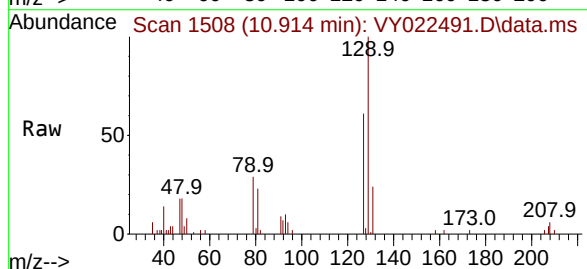
Manual Integrations
APPROVED

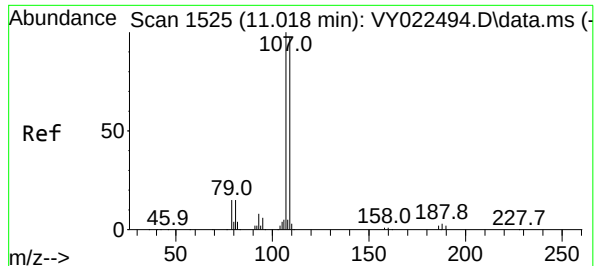
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

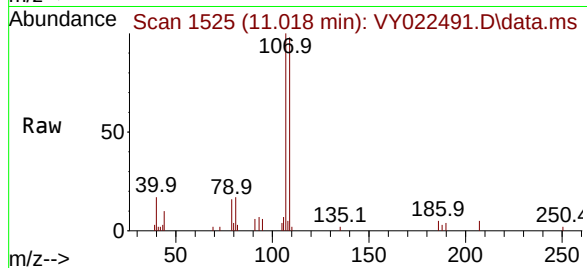
Tgt Ion:129 Resp: 8781
Ion Ratio Lower Upper
129 100
127 73.3 39.1 117.2





#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

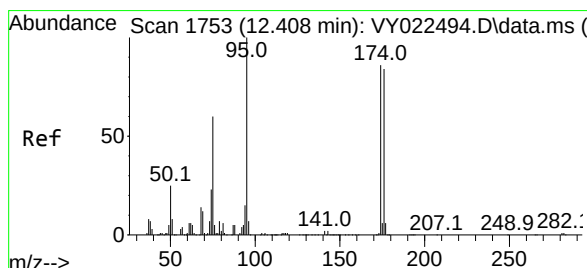
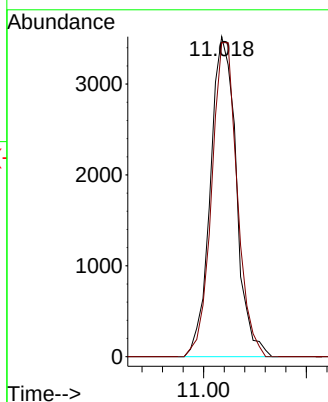
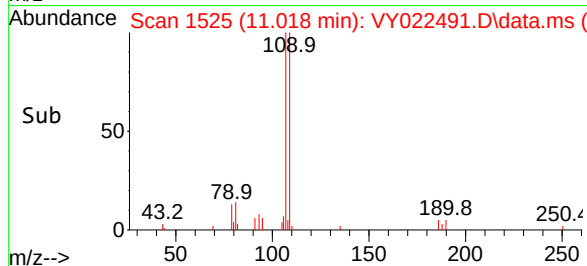
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:107 Resp: 6140
Ion Ratio Lower Upper
107 100
109 96.8 77.7 116.5

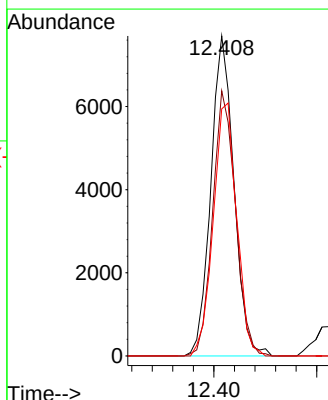
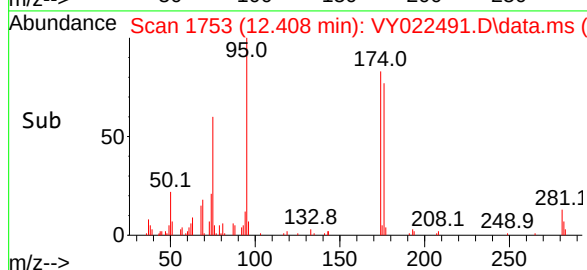
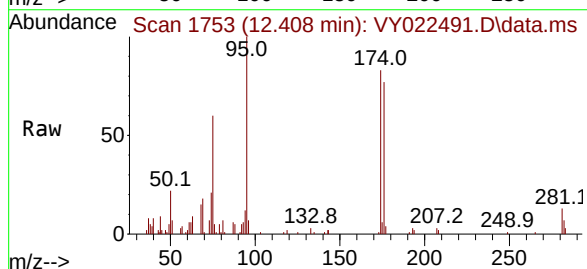
Manual Integrations
APPROVED

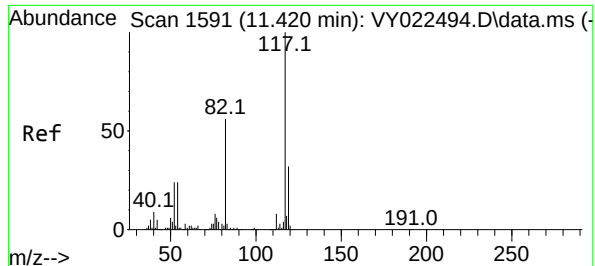
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

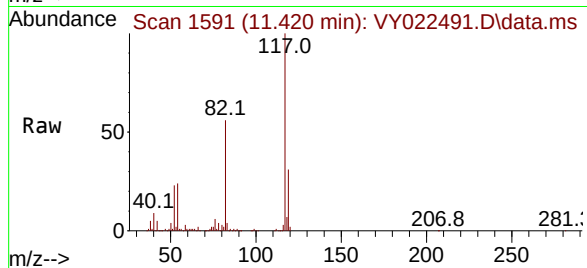
Tgt Ion: 95 Resp: 11988
Ion Ratio Lower Upper
95 100
174 81.7 0.0 170.0
176 80.2 0.0 166.2





#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

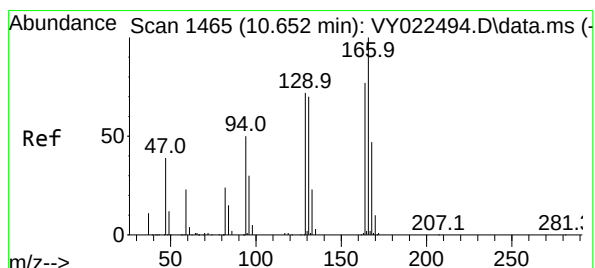
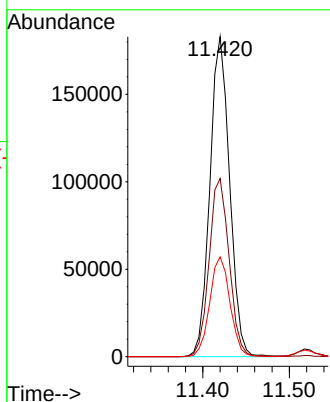
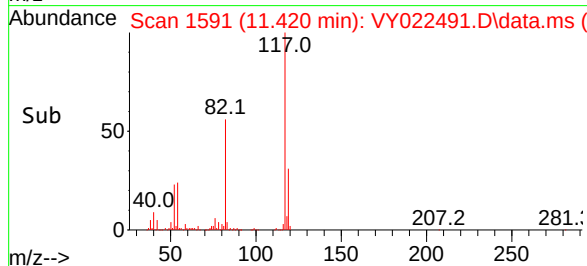
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



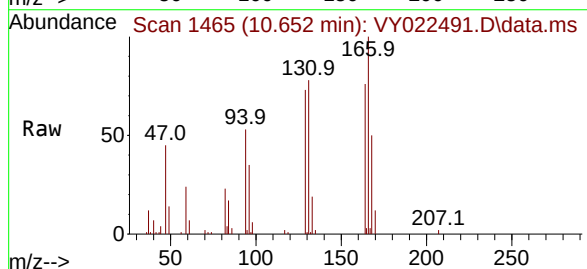
Tgt Ion:117 Resp: 289394
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 31.2 25.4 38.0

Manual Integrations
APPROVED

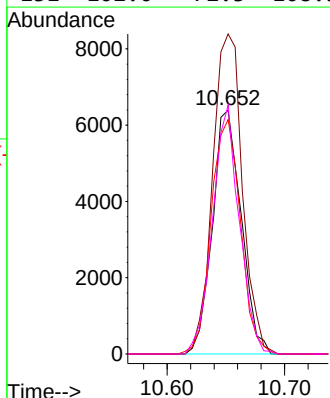
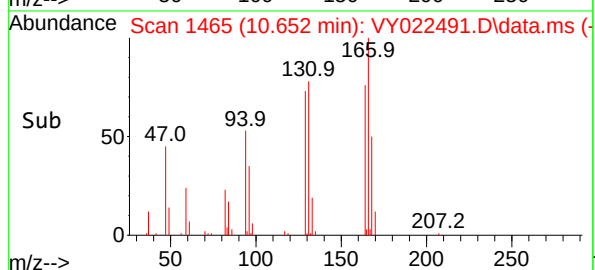
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

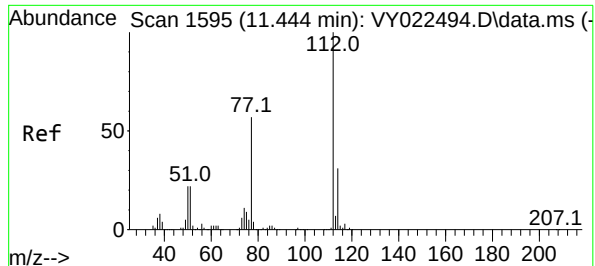


#64
Tetrachloroethene
Concen: 4.417 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46



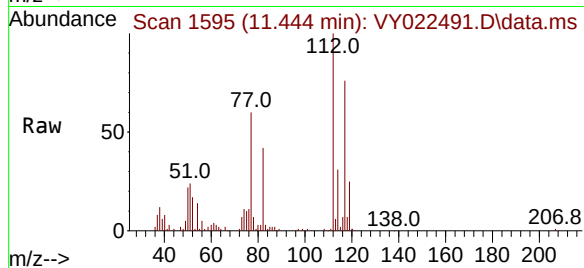
Tgt Ion:164 Resp: 10863
Ion Ratio Lower Upper
164 100
166 131.2 104.0 156.0
129 96.1 74.5 111.7
131 102.0 72.3 108.5





#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

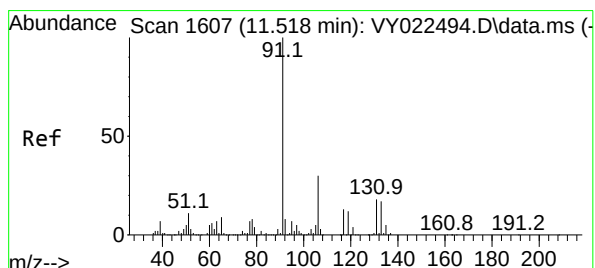
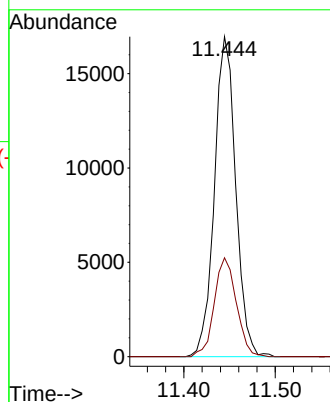
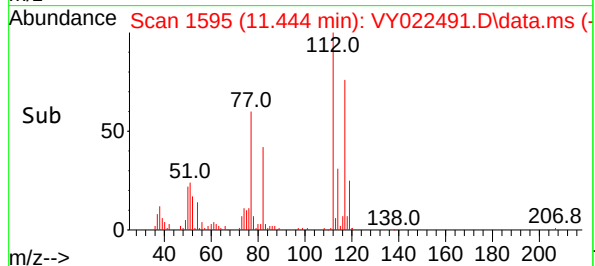
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:112 Resp: 2746
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6

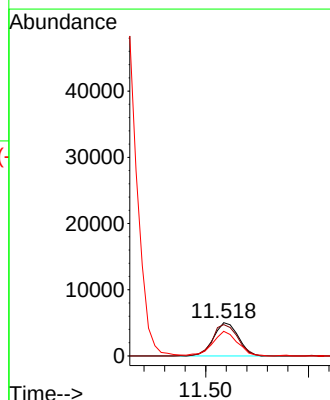
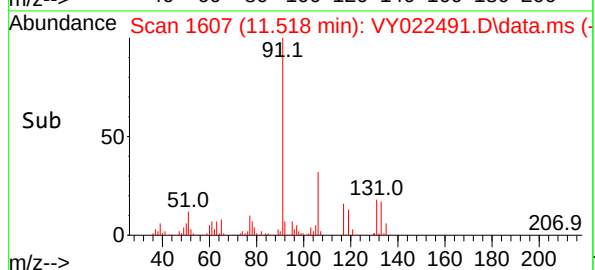
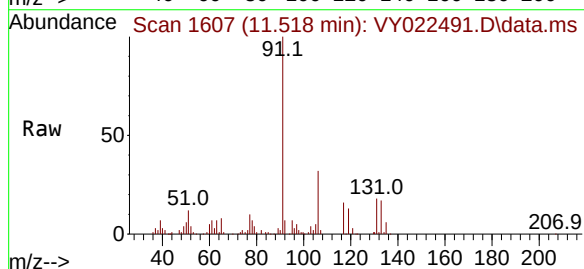
Manual Integrations
APPROVED

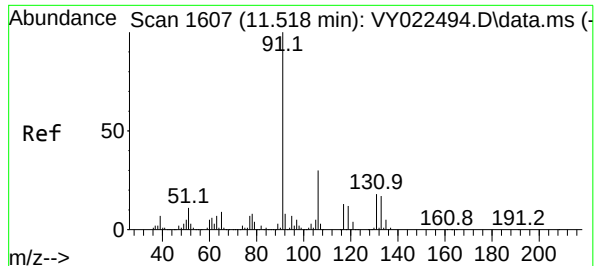
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

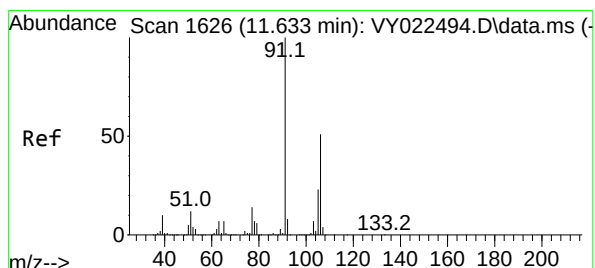
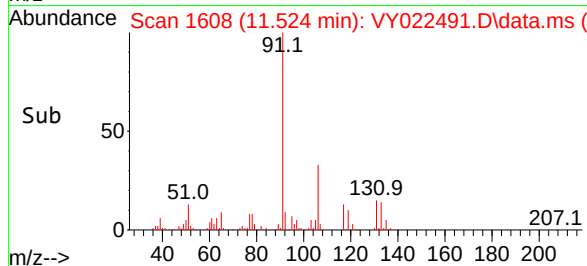
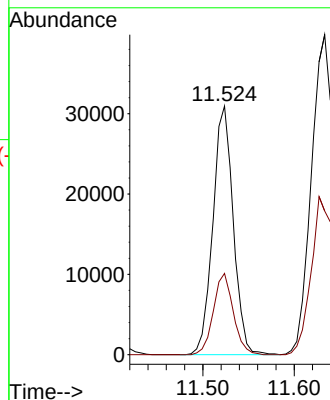
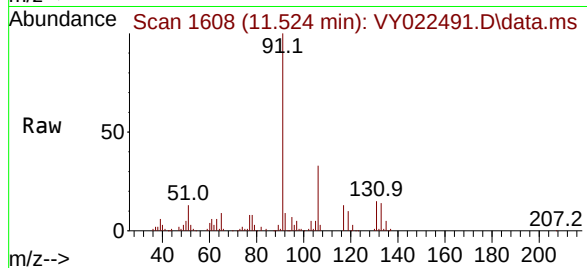
106 32.7 24.2 36.4

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

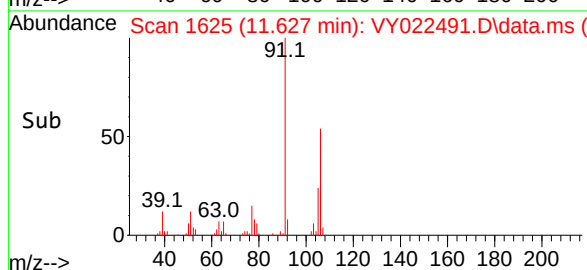
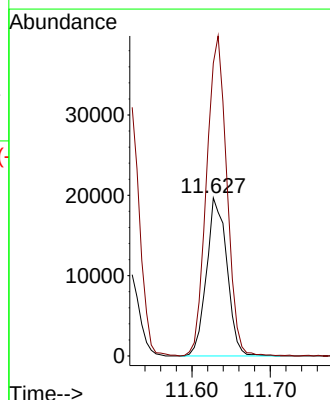
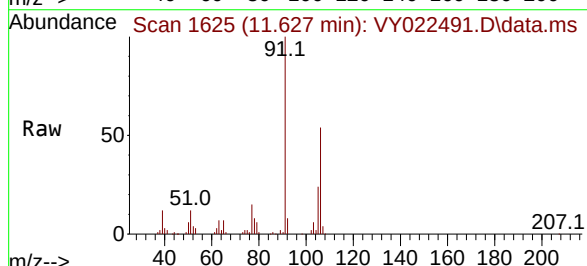
Acq: 02 Jun 2025 11:46

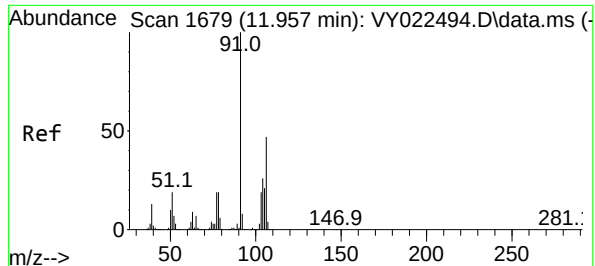
Tgt Ion:106 Resp: 35645

Ion Ratio Lower Upper

106 100

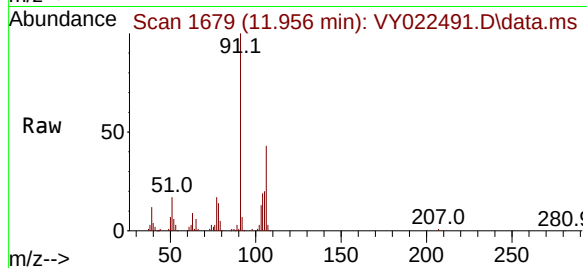
91 200.7 159.4 239.0





#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

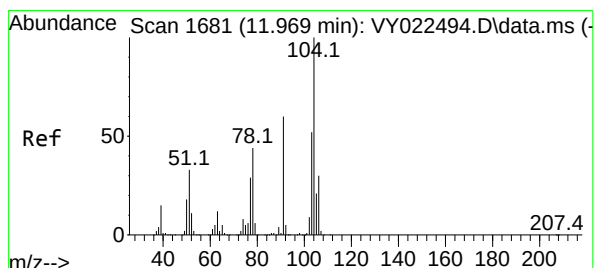
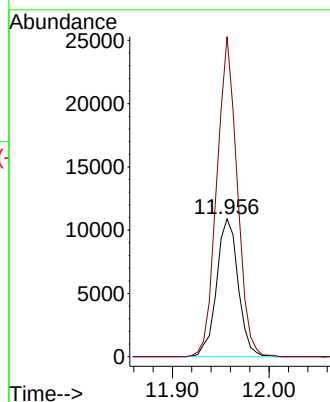
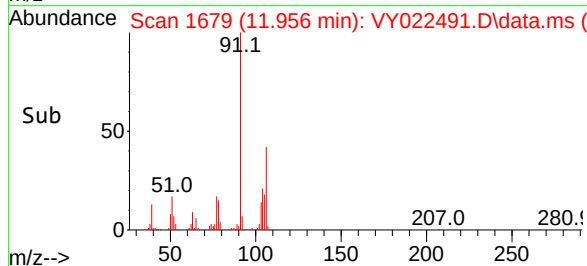
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:106 Resp: 1686
Ion Ratio Lower Upper
106 100
91 219.4 105.8 317.3

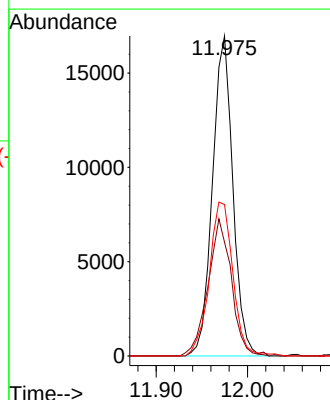
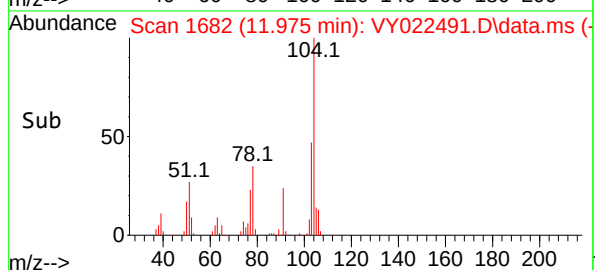
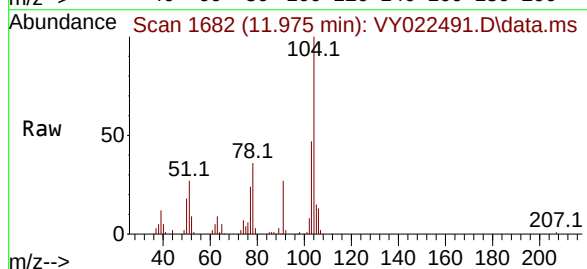
Manual Integrations
APPROVED

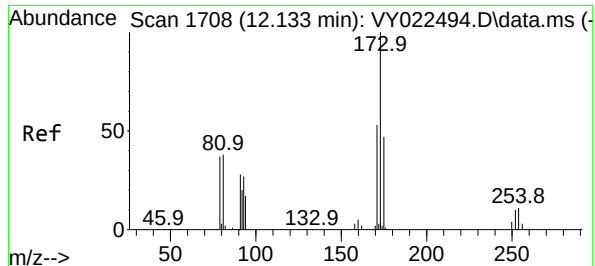
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

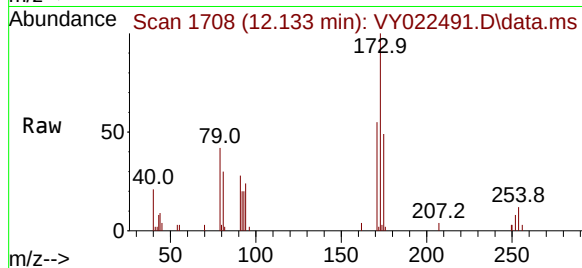
Tgt Ion:104 Resp: 26313
Ion Ratio Lower Upper
104 100
78 48.8 39.5 59.3
103 55.8 44.1 66.1





#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

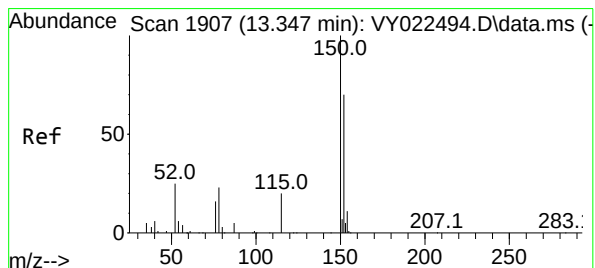
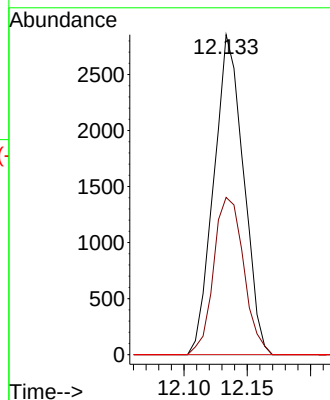
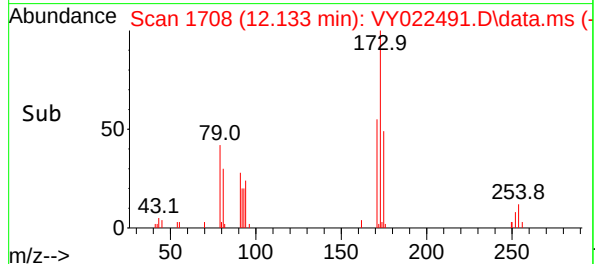
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



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

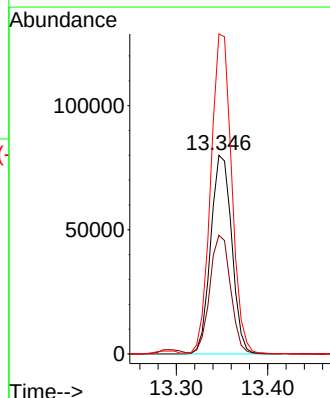
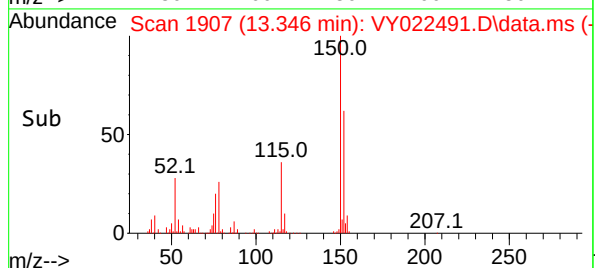
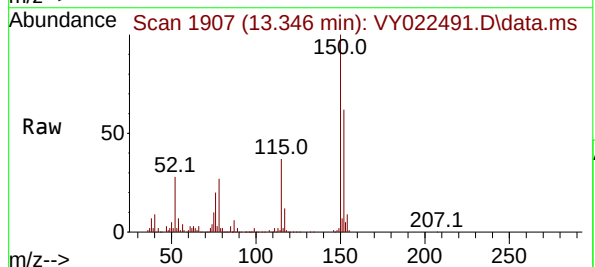
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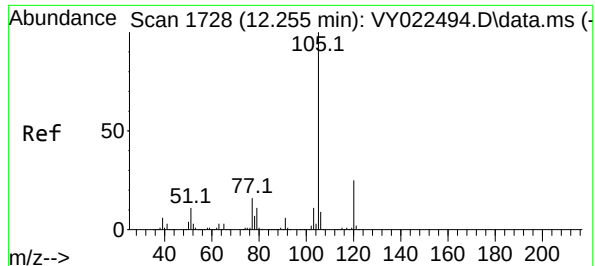
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: 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





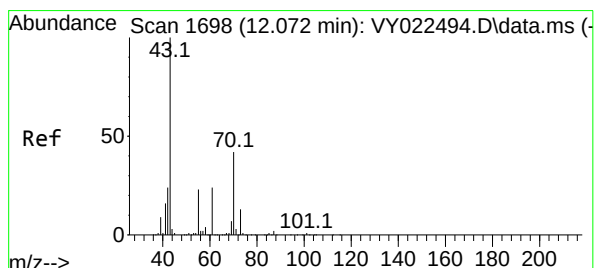
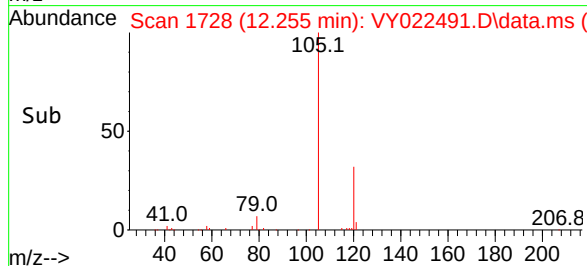
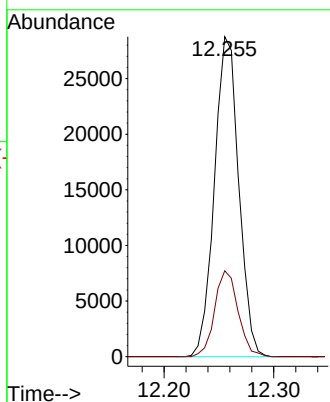
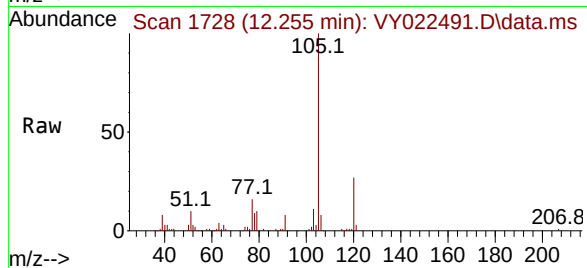
#73
Isopropylbenzene
Concen: 4.307 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 44350
Ion Ratio Lower Upper
105 100
120 25.8 13.0 38.9

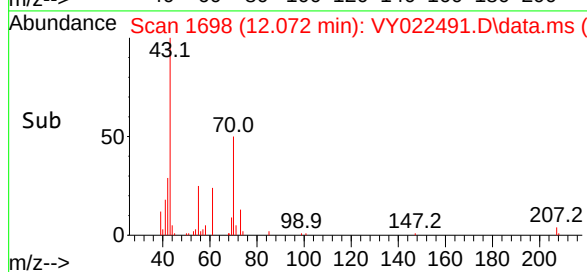
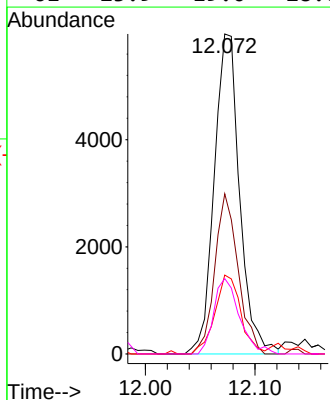
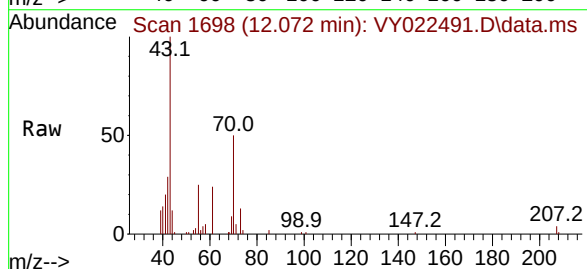
Manual Integrations
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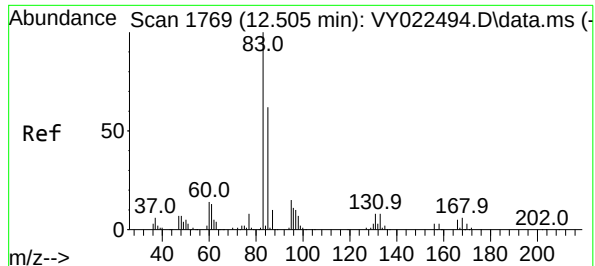
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

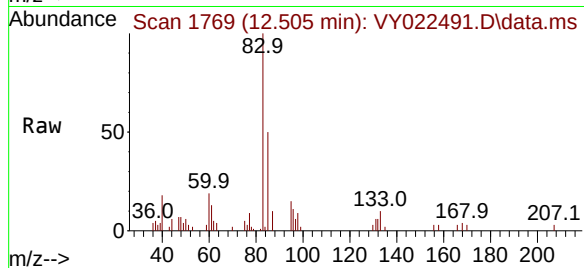
Tgt Ion: 43 Resp: 9632
Ion Ratio Lower Upper
43 100
70 45.9 34.2 51.2
55 25.1 18.2 27.4
61 23.9 19.0 28.6





#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

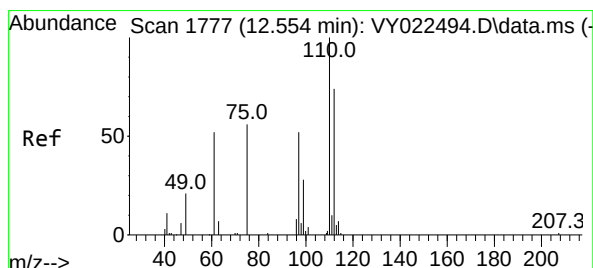
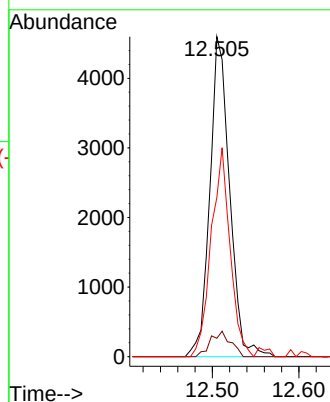
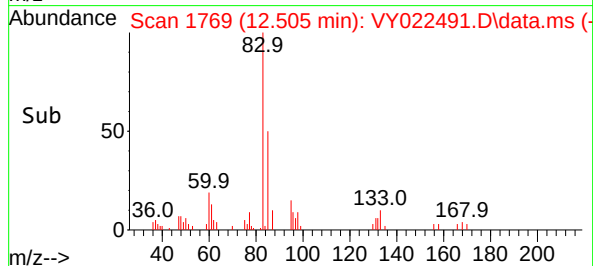
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

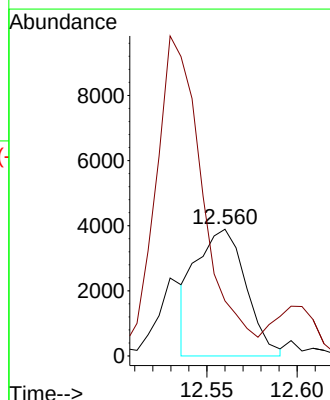
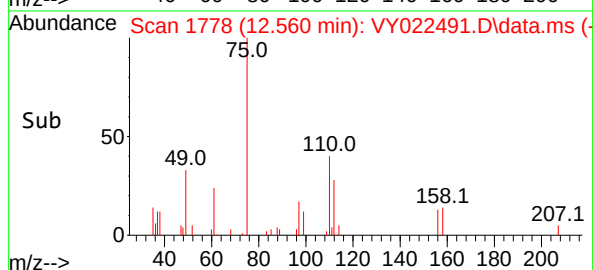
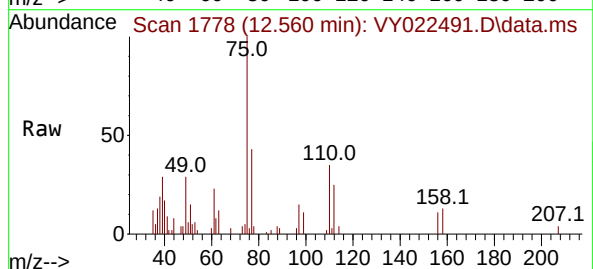
Manual Integrations
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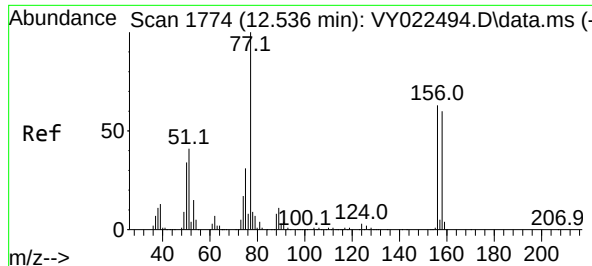
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

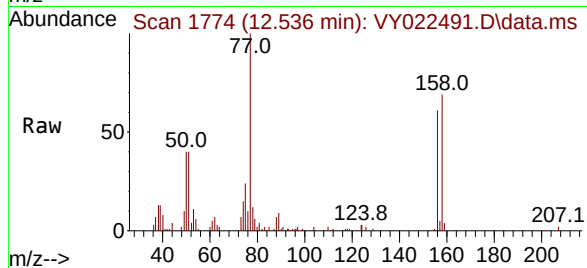
Tgt Ion: 75 Resp: 7478
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#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

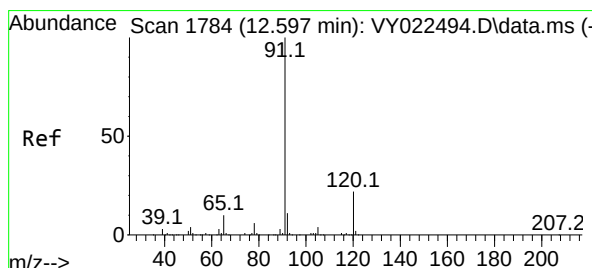
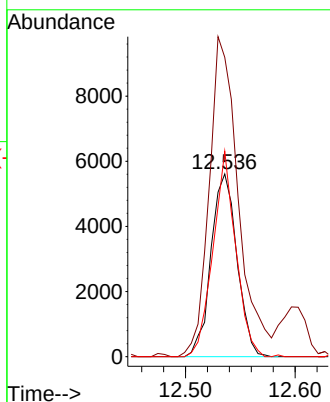
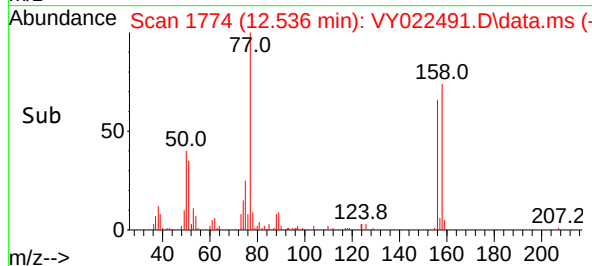
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion	Ratio	Lower	Upper
156	100		
77	196.5	94.0	282.1
158	98.9	48.2	144.6

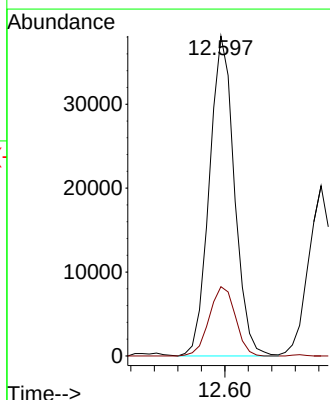
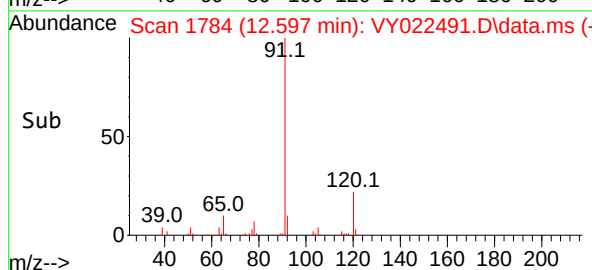
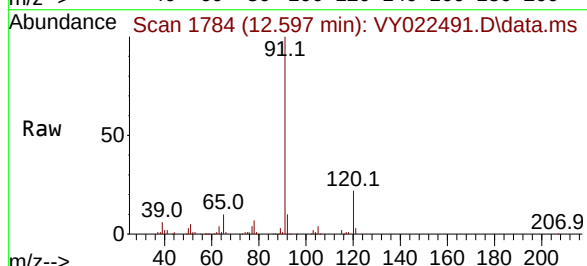
Manual Integrations
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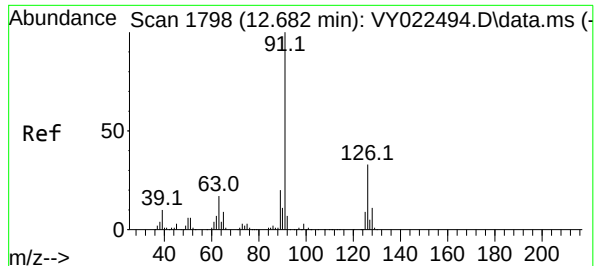
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

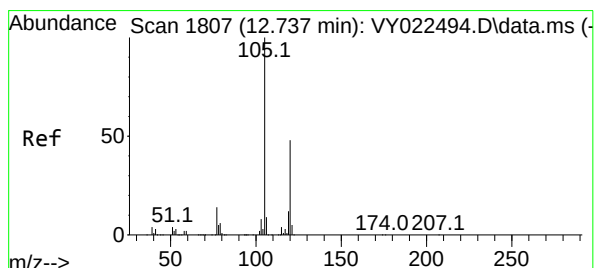
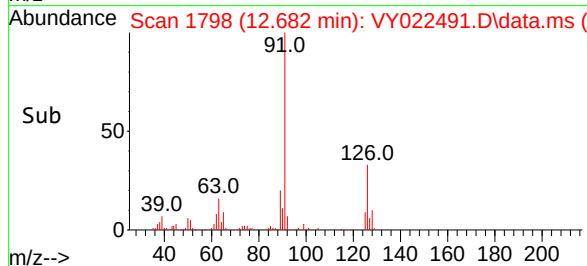
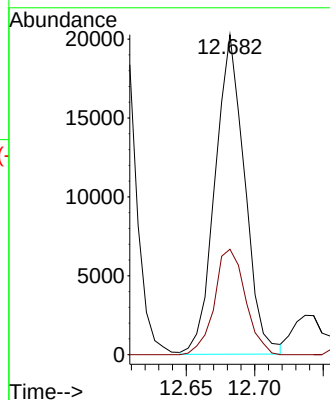
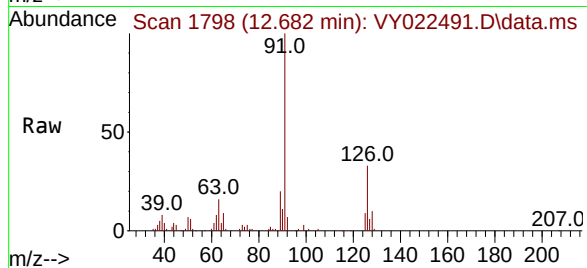
126 34.6 17.0 51.0

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

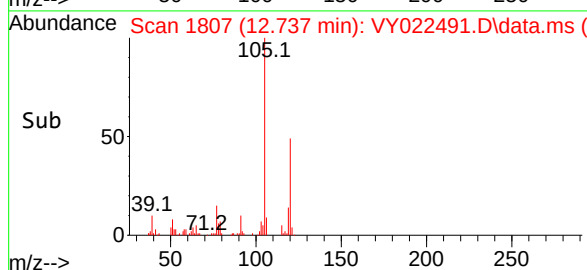
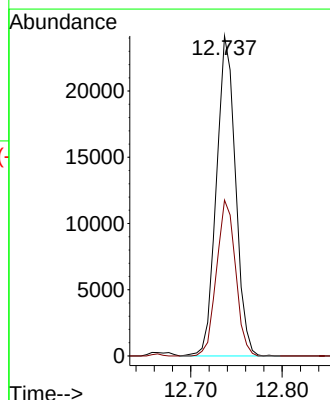
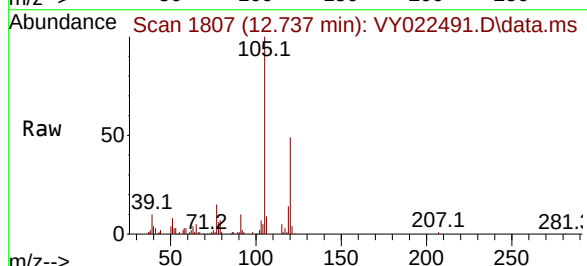
Acq: 02 Jun 2025 11:46

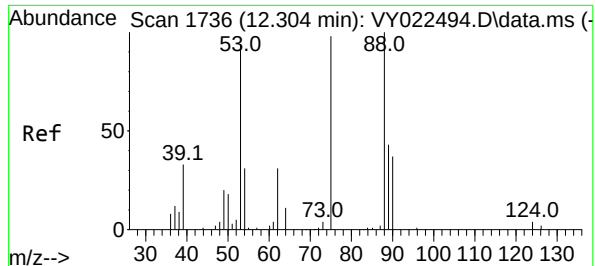
Tgt Ion:105 Resp: 35122

Ion Ratio Lower Upper

105 100

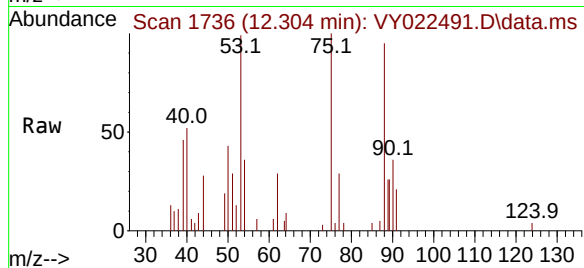
120 48.3 24.1 72.4





#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

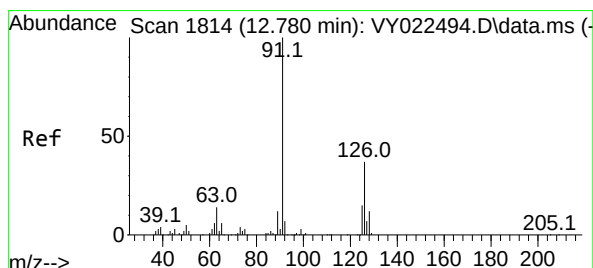
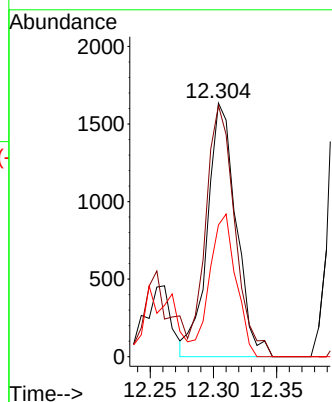
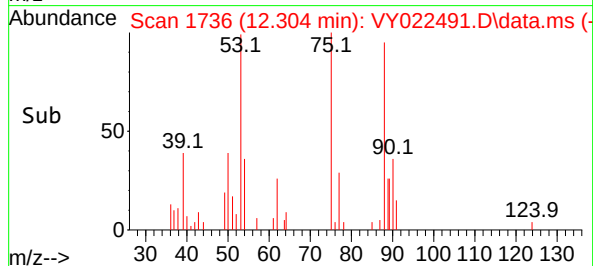
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

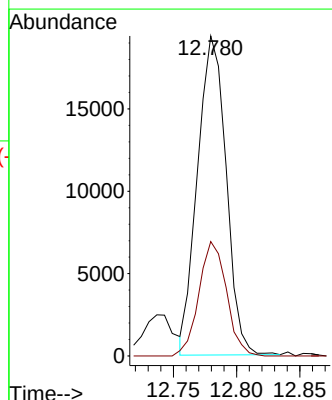
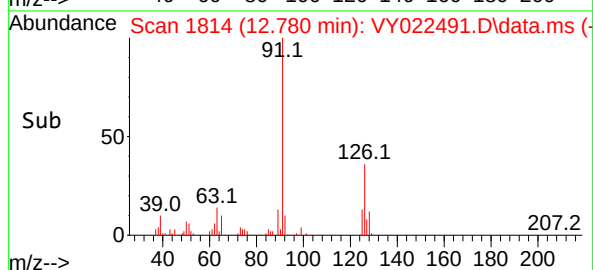
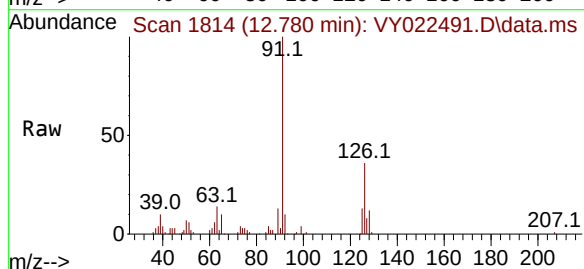
Manual Integrations
APPROVED

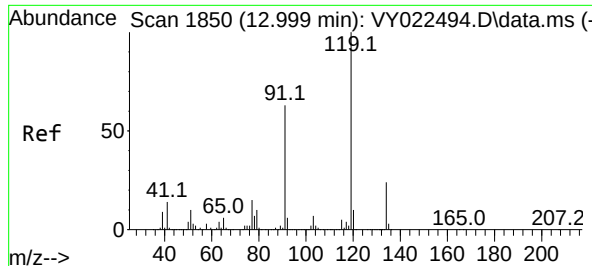
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





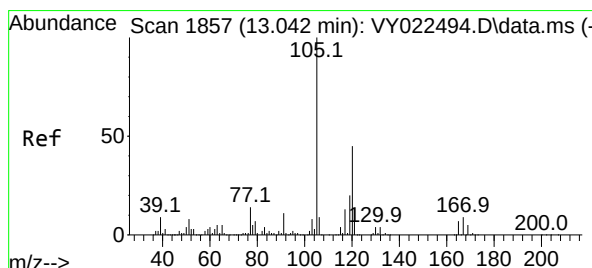
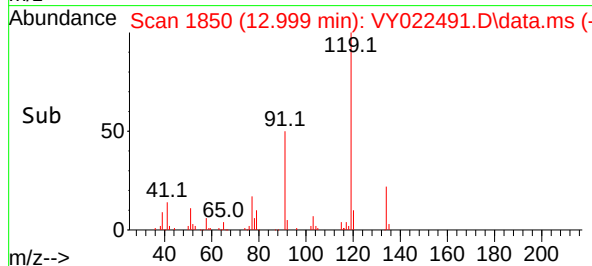
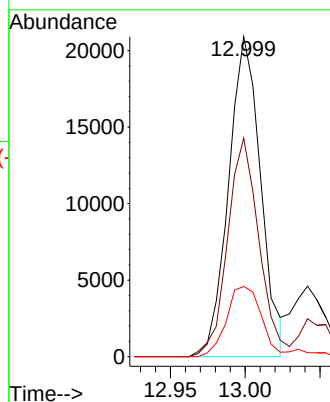
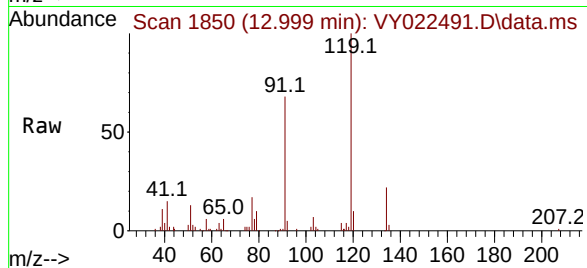
#83
tert-Butylbenzene
Concen: 4.252 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.1	96.3
134	23.9	13.0	38.9

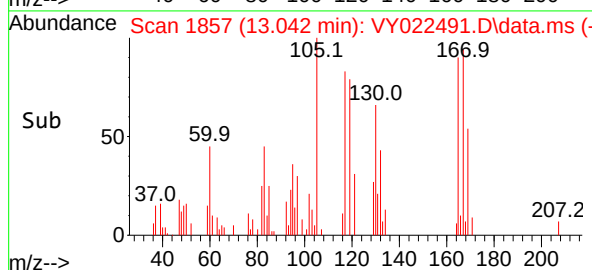
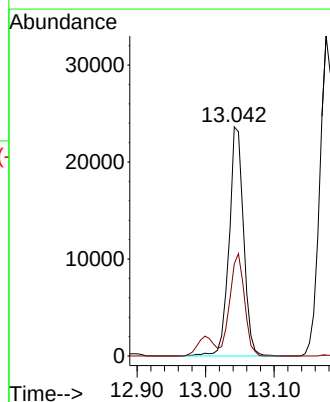
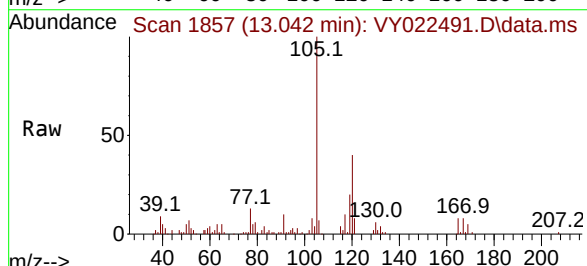
Manual Integrations
APPROVED

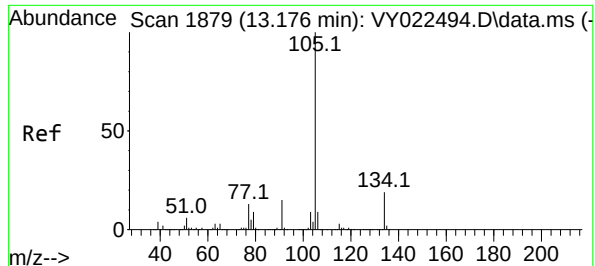
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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	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 :

VSTDIC005

Tgt Ion:105 Resp: 49540

Ion Ratio Lower Upper

105 100

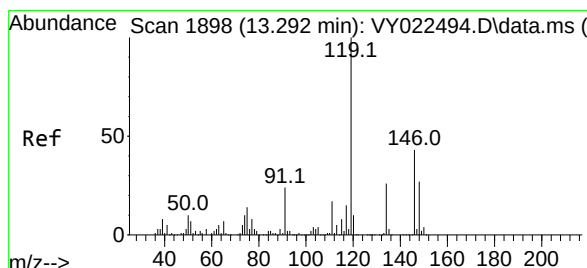
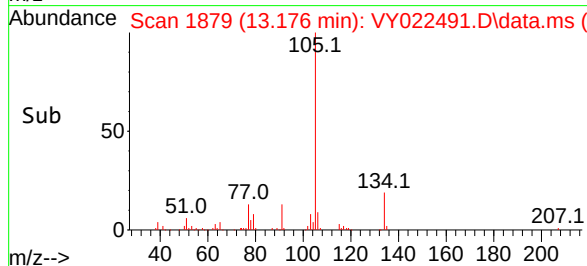
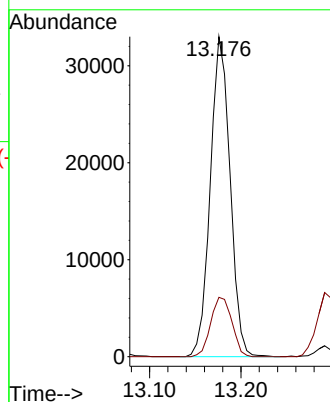
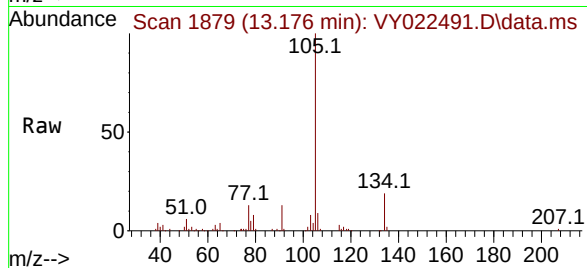
134 19.9 9.7 28.9

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

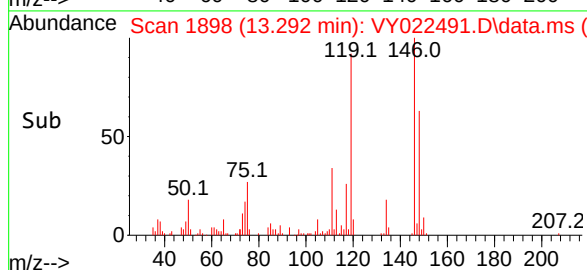
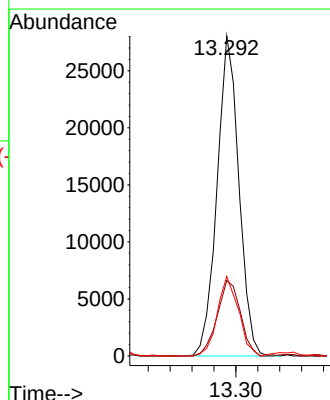
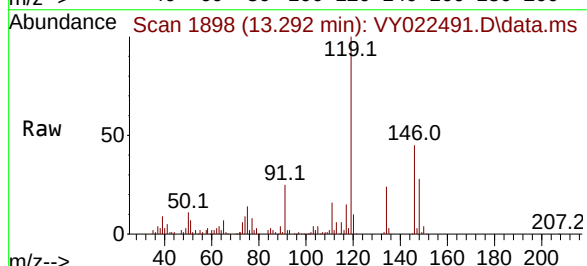
Tgt Ion:119 Resp: 38822

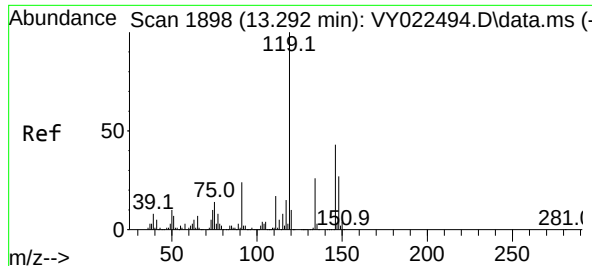
Ion Ratio Lower Upper

119 100

134 25.0 13.1 39.1

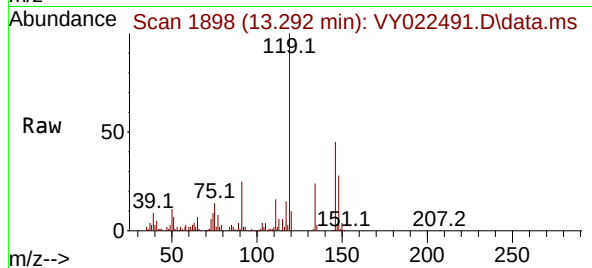
91 24.2 11.6 34.8





#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

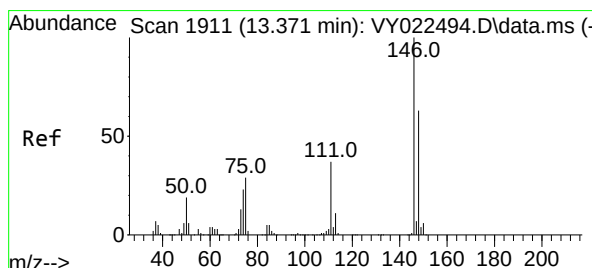
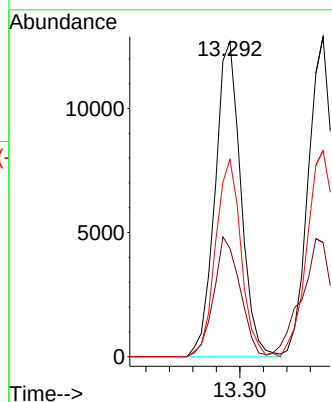
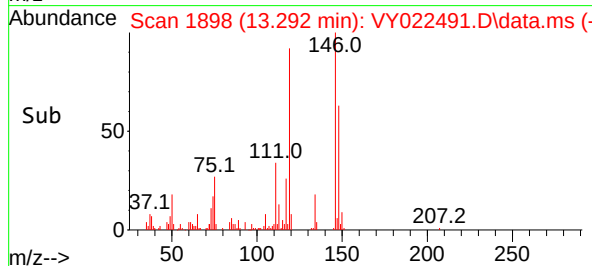
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

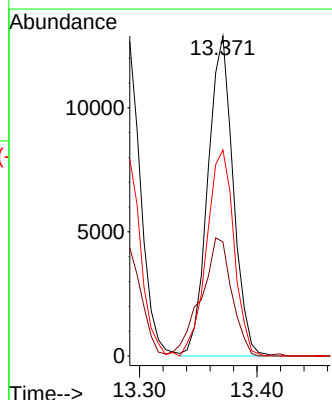
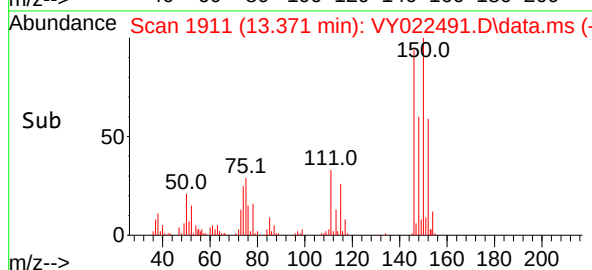
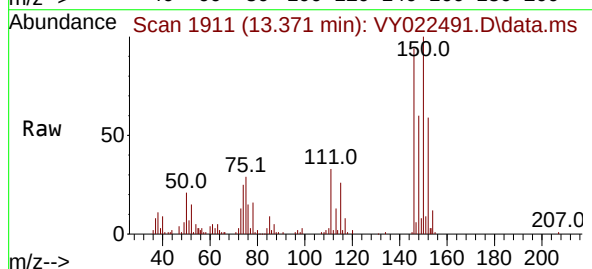
Manual Integrations
APPROVED

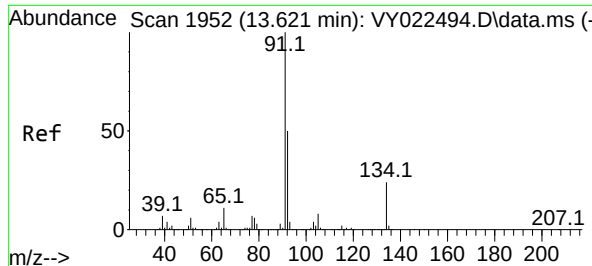
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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 :

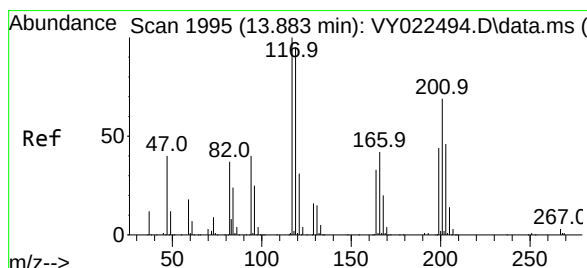
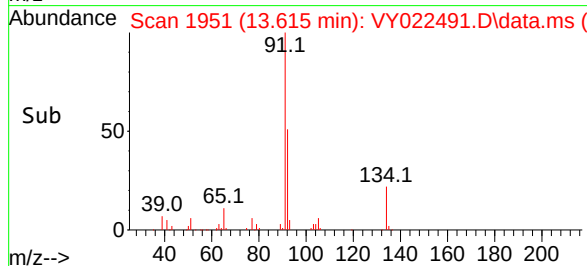
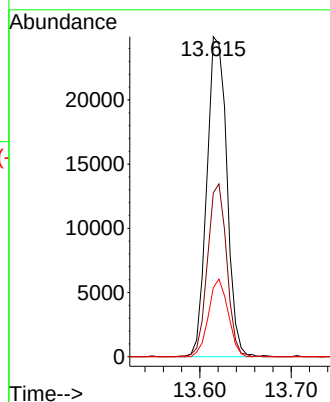
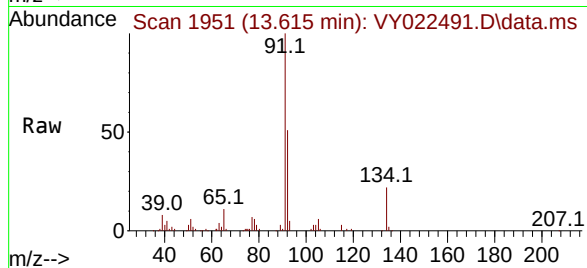
VSTDIC005

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

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Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#90

Hexachloroethane

Concen: 4.506 ug/l

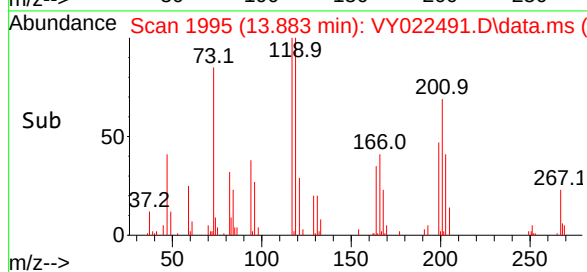
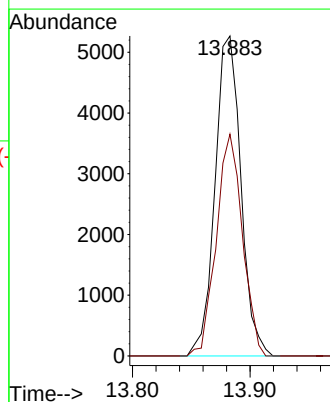
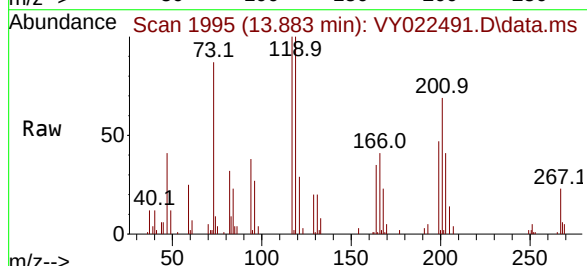
RT: 13.883 min Scan# 1995

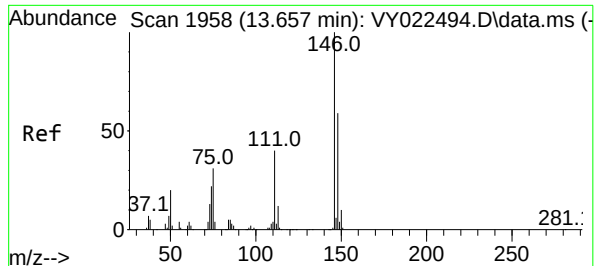
Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46

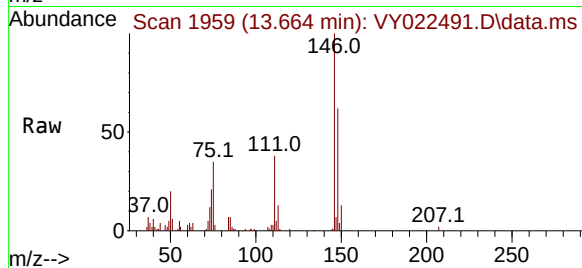
Tgt Ion:117	Resp: 8072
Ion Ratio	Lower Upper
117 100	
201 69.9	34.0 102.0





#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

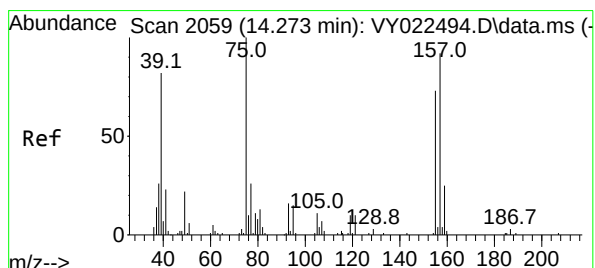
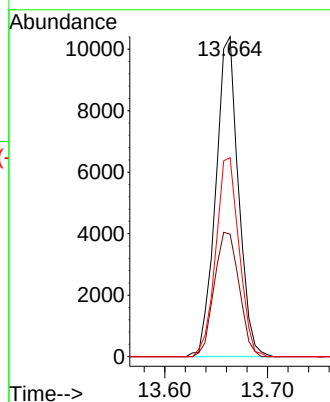
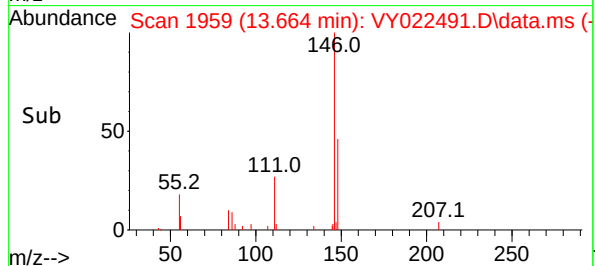
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



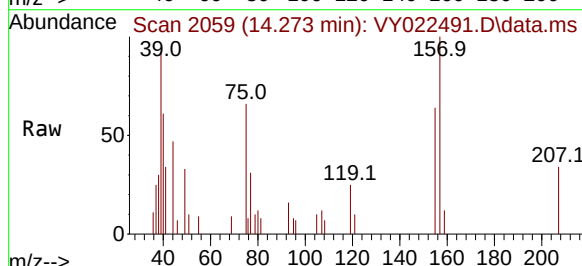
Tgt Ion:146 Resp: 1592
Ion Ratio Lower Upper
146 100
111 42.6 20.2 60.6
148 64.0 31.4 94.0

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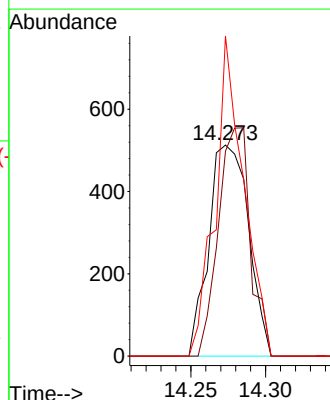
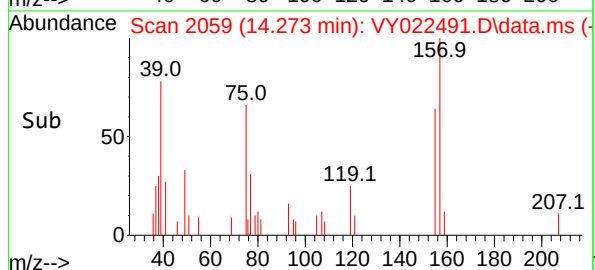
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

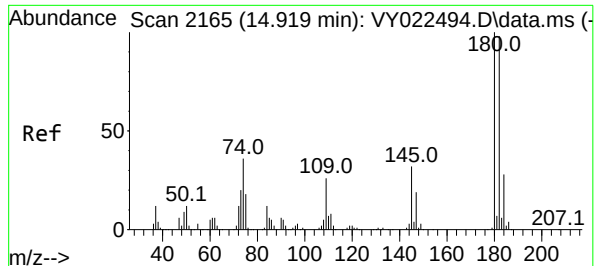


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.754 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46



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

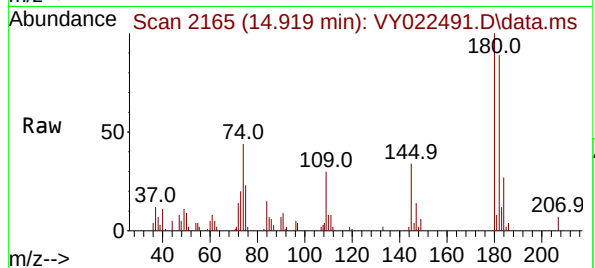
Acq: 02 Jun 2025 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005



Tgt Ion:180 Resp: 8529

Ion Ratio Lower Upper

180 100

182 101.9 48.4 145.3

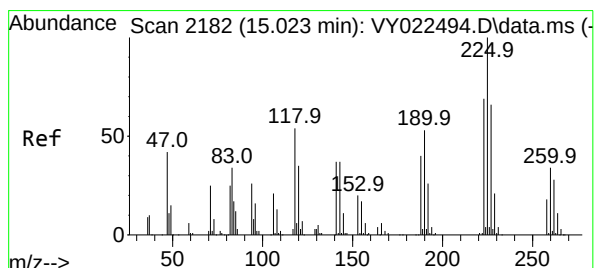
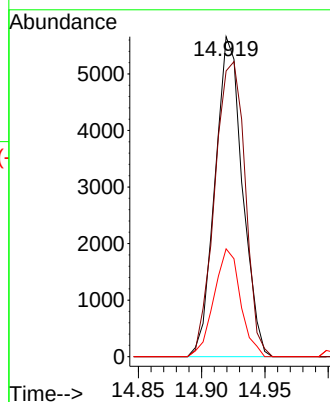
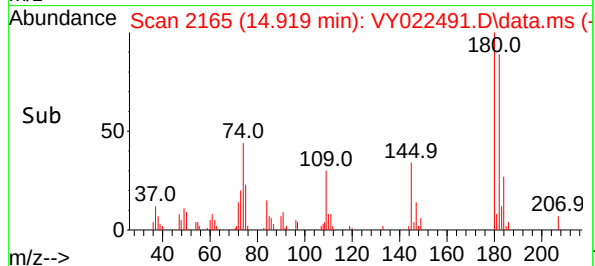
145 32.6 15.5 46.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#94

Hexachlorobutadiene

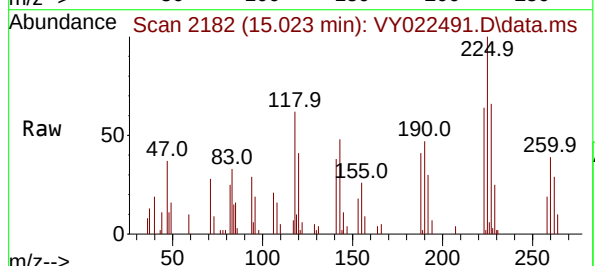
Concen: 5.024 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022491.D

Acq: 02 Jun 2025 11:46



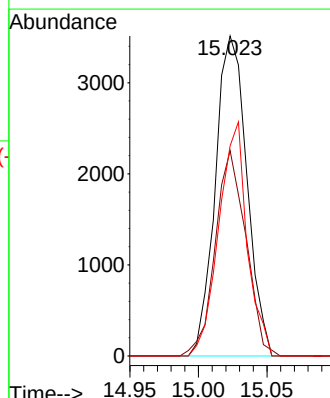
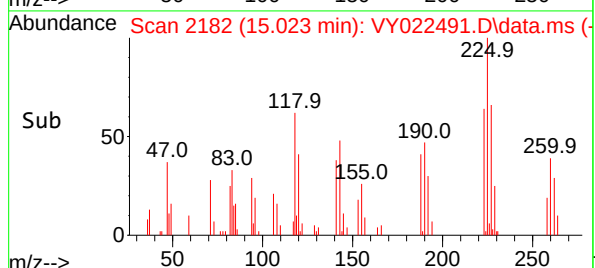
Tgt Ion:225 Resp: 5627

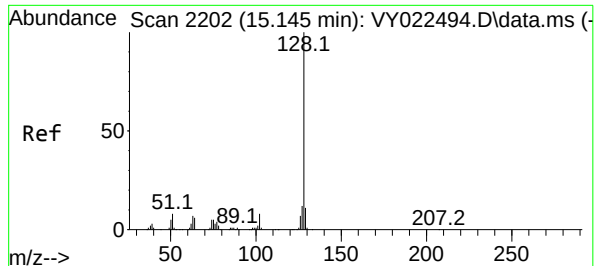
Ion Ratio Lower Upper

225 100

223 62.4 32.5 97.4

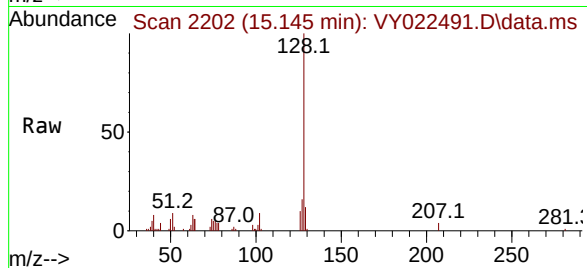
227 65.6 32.3 96.9





#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

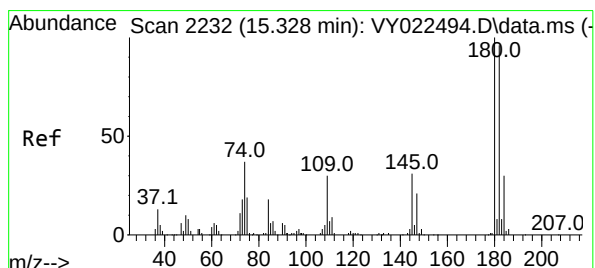
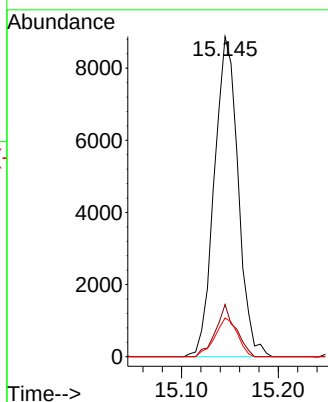
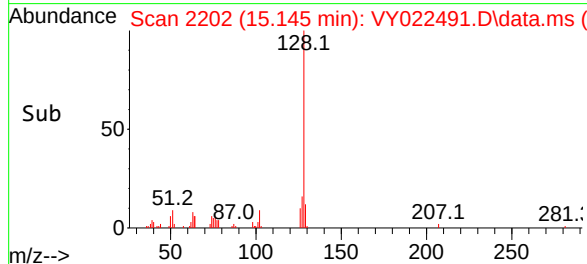
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



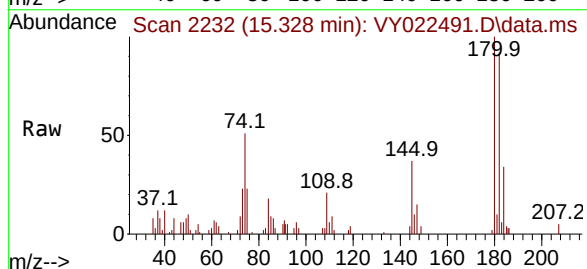
Tgt Ion:128 Resp: 1516
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 11.4 8.9 13.3

Manual Integrations
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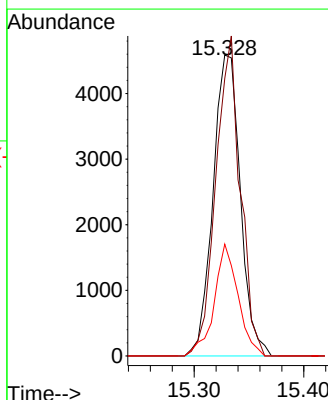
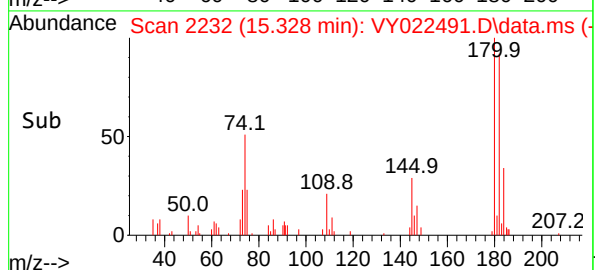
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

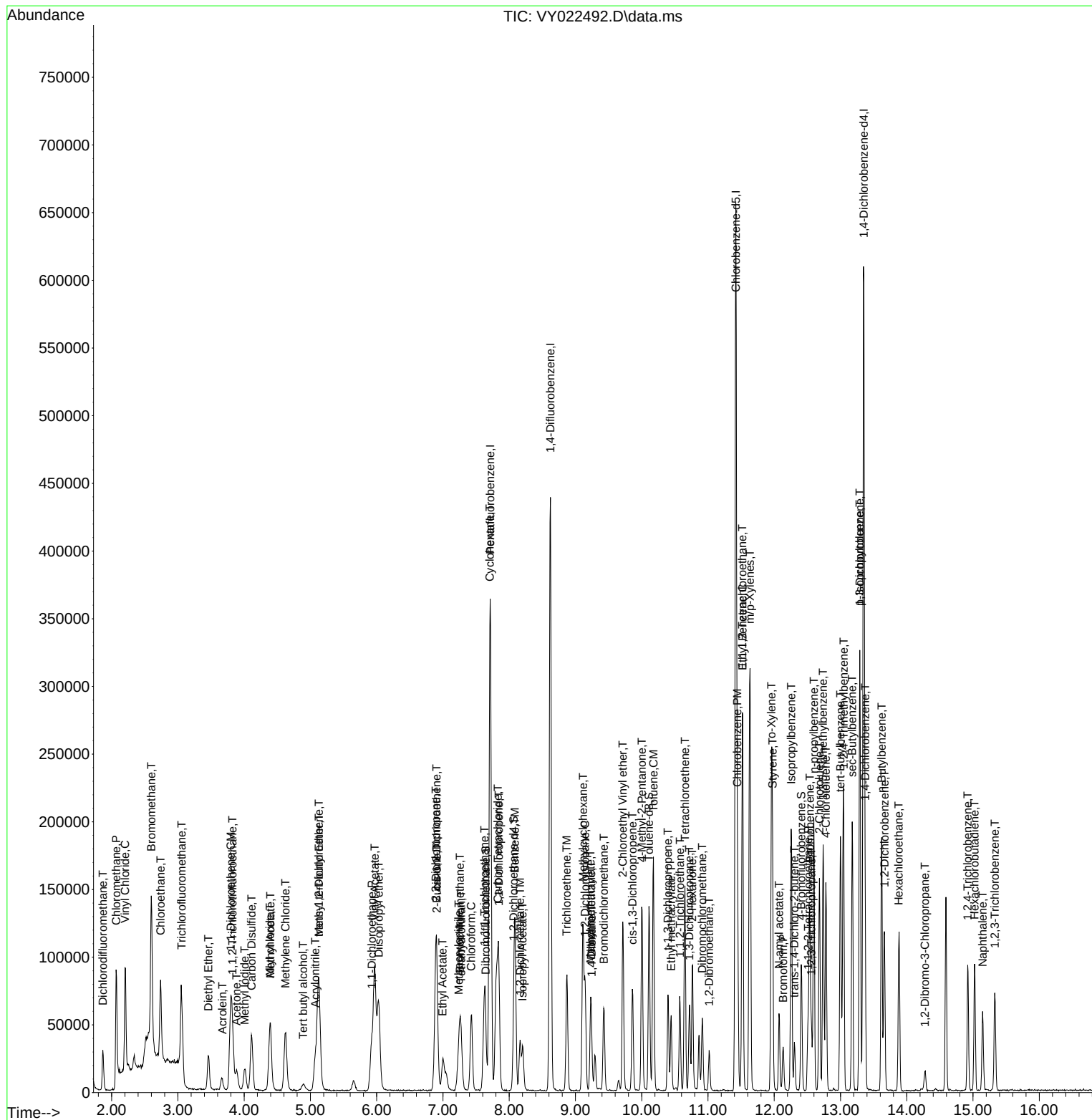
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

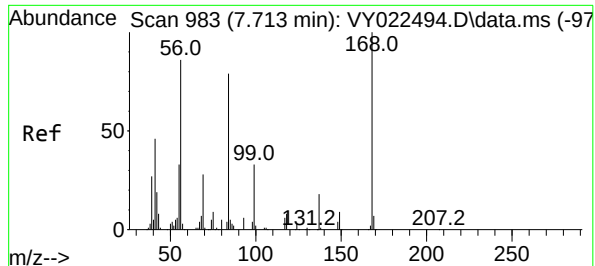
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

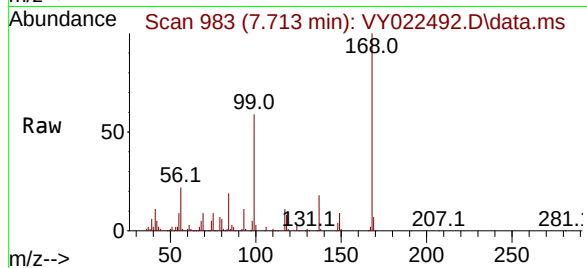
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

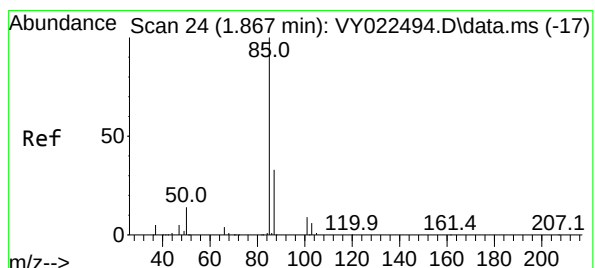
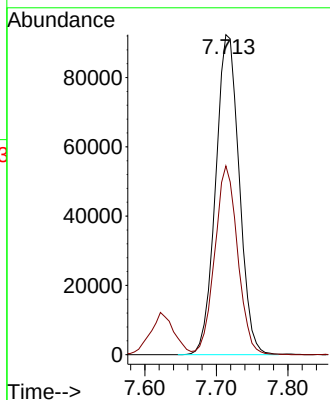
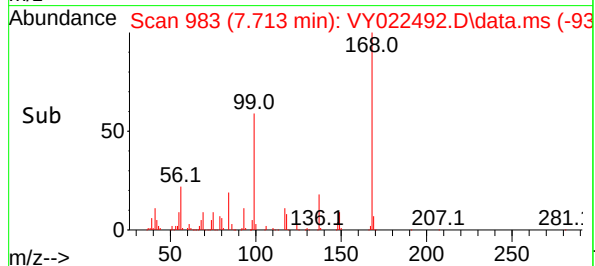
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:168 Resp: 211235
Ion Ratio Lower Upper
168 100
99 58.9 44.3 66.5

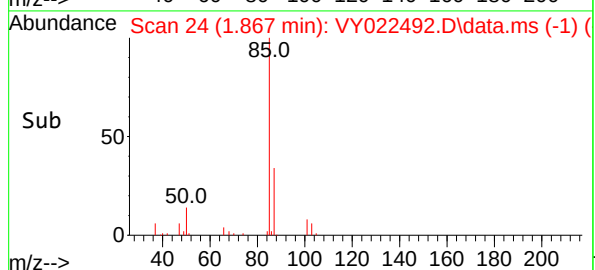
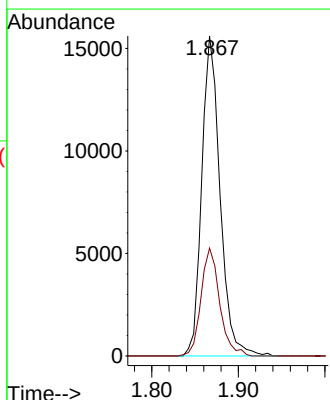
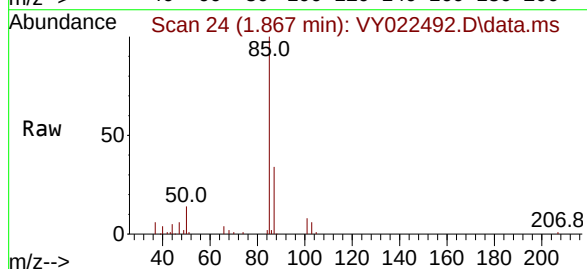
Manual Integrations
APPROVED

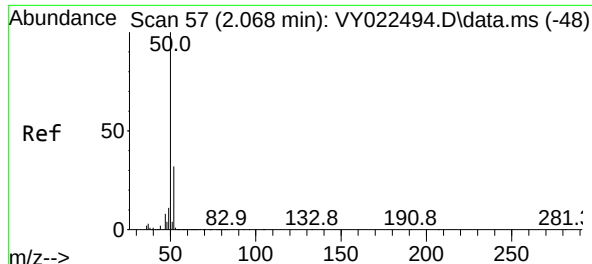
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

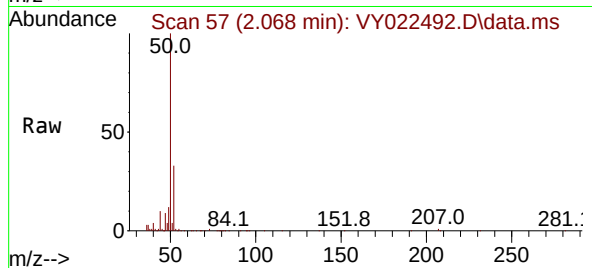
Tgt Ion: 85 Resp: 22911
Ion Ratio Lower Upper
85 100
87 33.7 16.7 50.0





#3
Chloromethane
Concen: 12.339 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

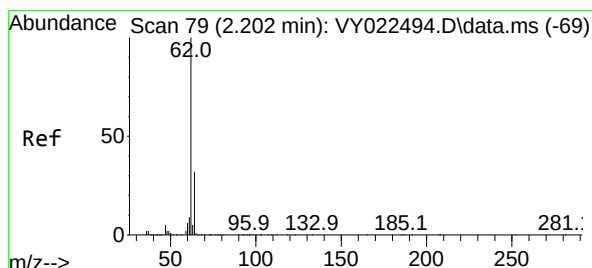
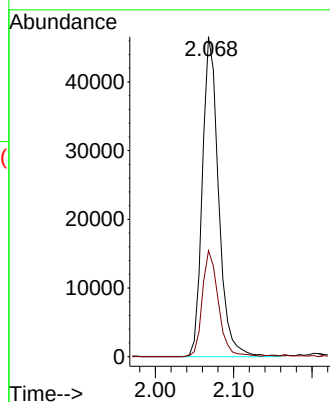
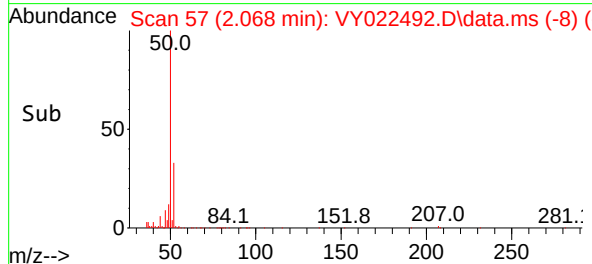
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 50 Resp: 6719
Ion Ratio Lower Upper
50 100
52 33.1 26.0 39.0

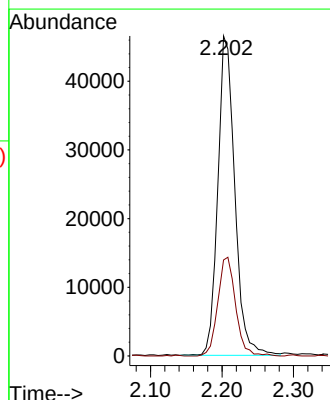
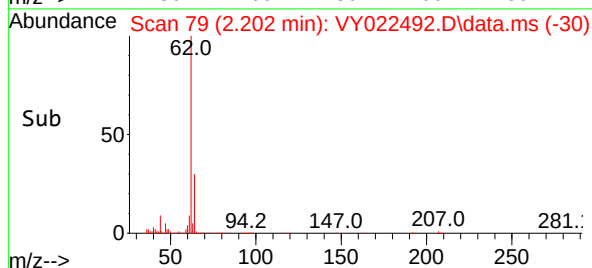
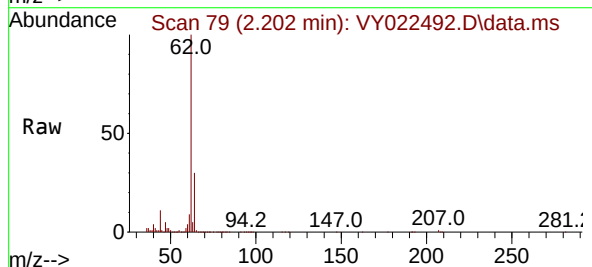
Manual Integrations
APPROVED

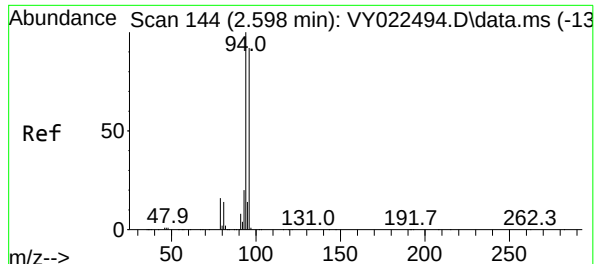
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

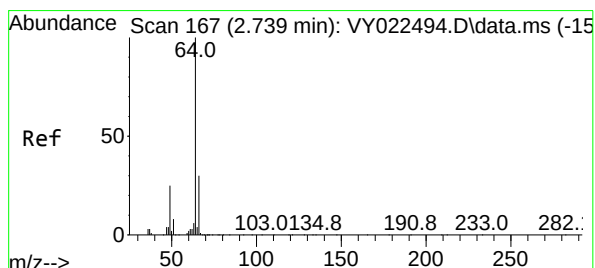
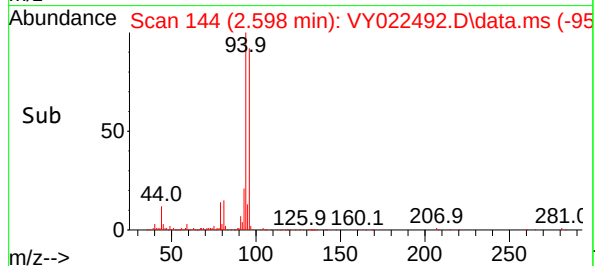
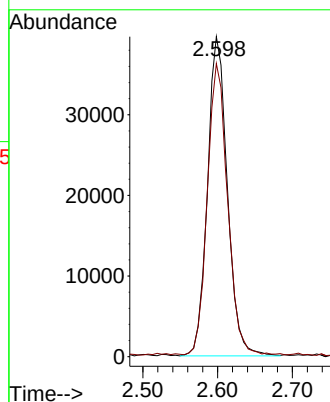
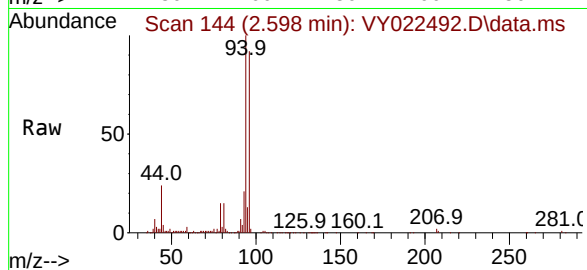
96 91.1 74.0 111.0

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

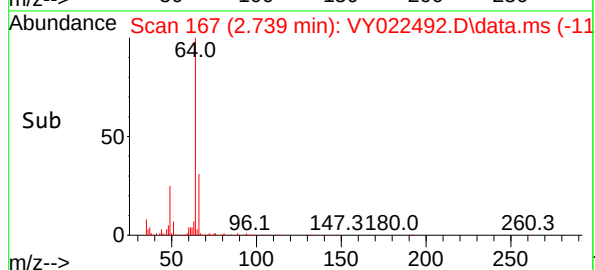
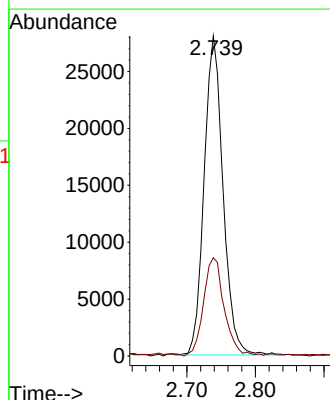
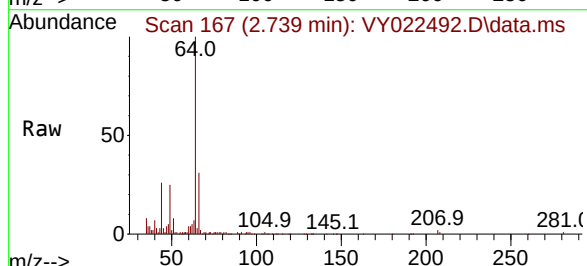
Acq: 02 Jun 2025 12:09

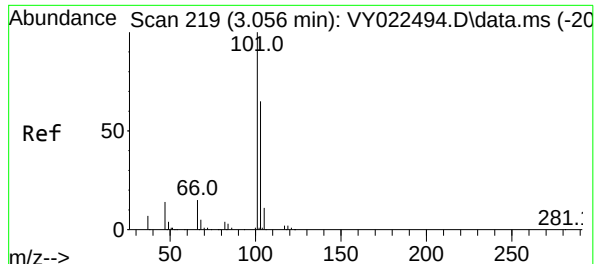
Tgt Ion: 64 Resp: 53992

Ion Ratio Lower Upper

64 100

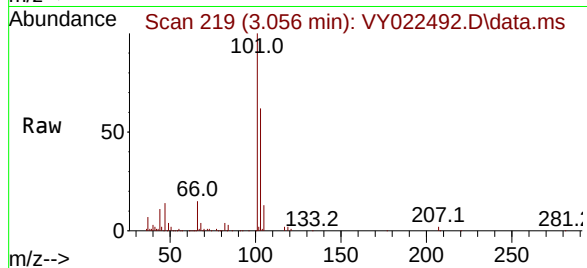
66 30.3 23.8 35.6





#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

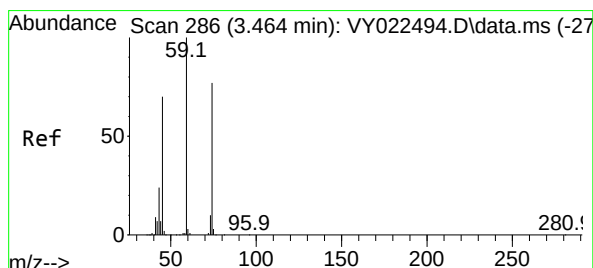
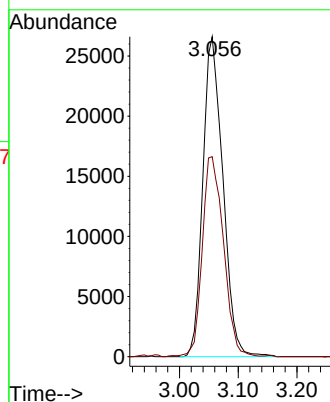
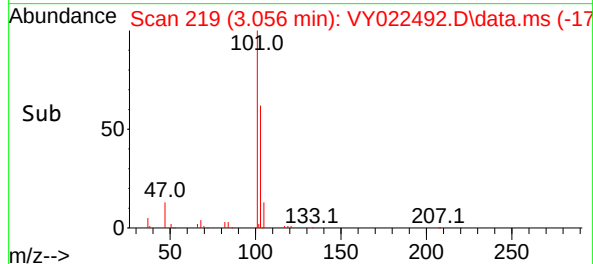
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



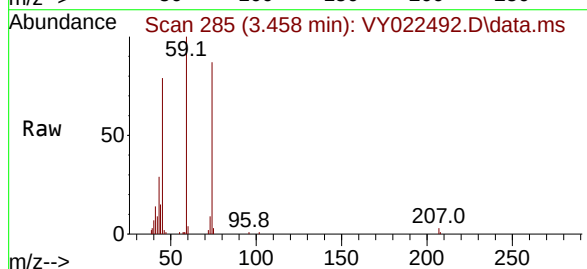
Tgt Ion:101 Resp: 63044
Ion Ratio Lower Upper
101 100
103 62.5 52.2 78.2

Manual Integrations
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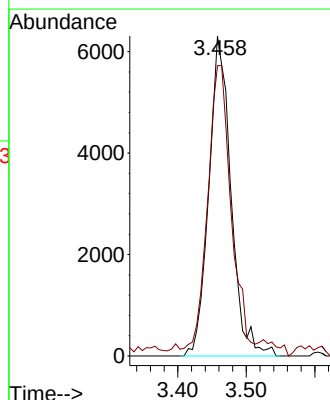
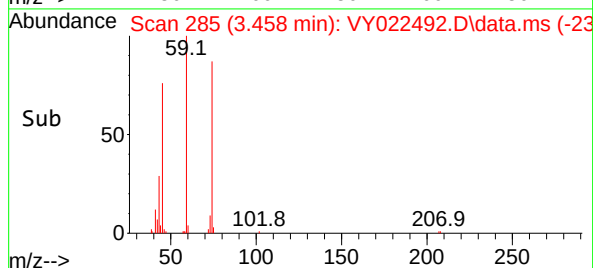
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

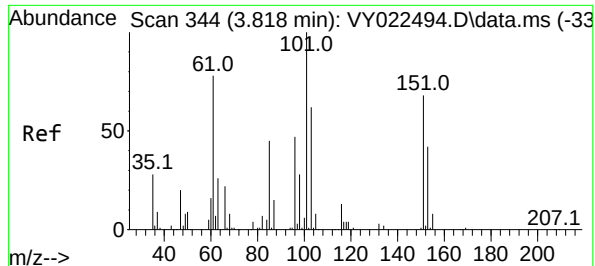


#8
Diethyl Ether
Concen: 11.826 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



Tgt Ion: 74 Resp: 14144
Ion Ratio Lower Upper
74 100
45 91.9 45.9 137.6





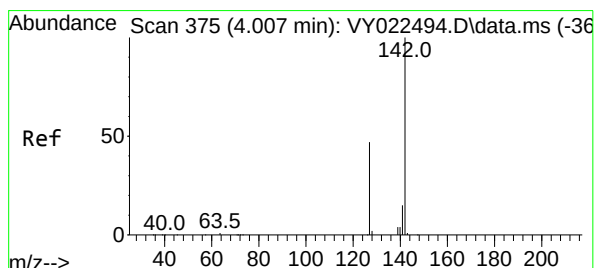
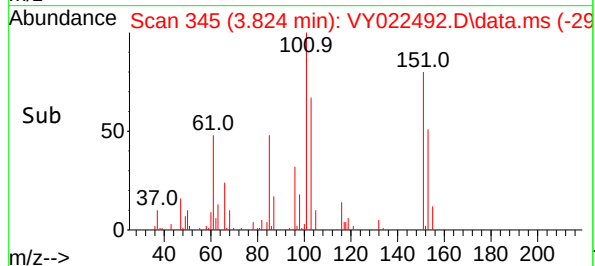
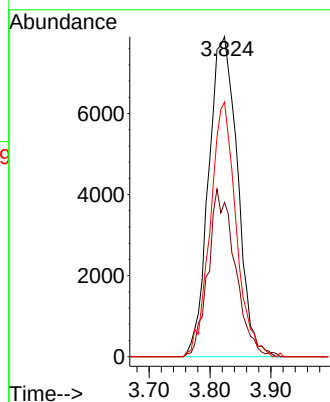
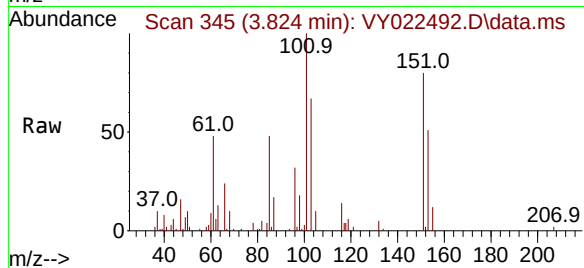
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.445 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

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

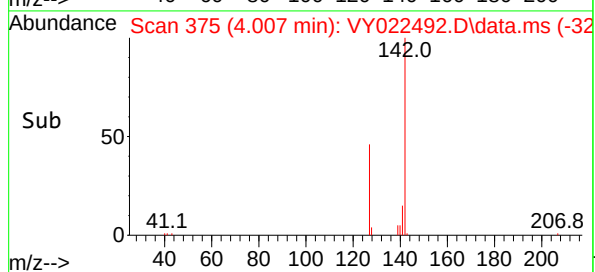
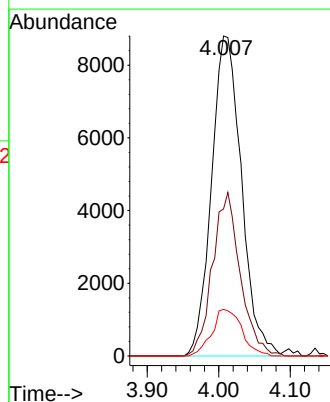
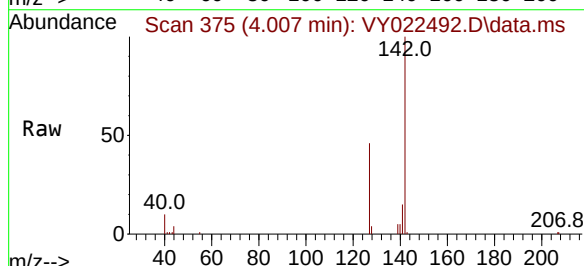
Manual Integrations
APPROVED

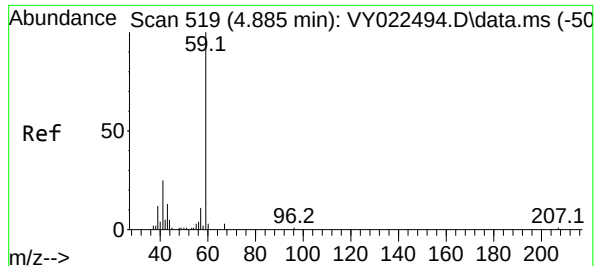
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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: 973

Ion Ratio Lower Upper

59 100

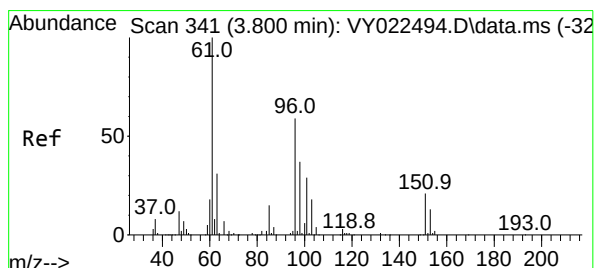
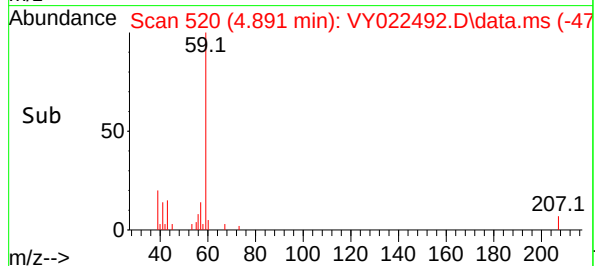
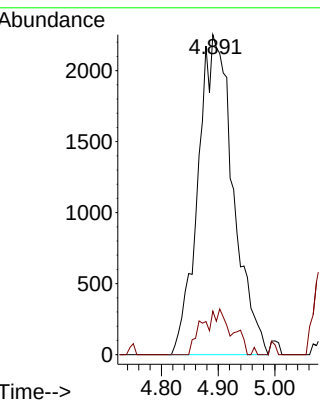
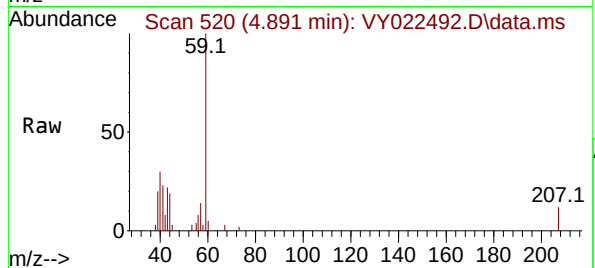
57 0.0 8.0 12.0

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

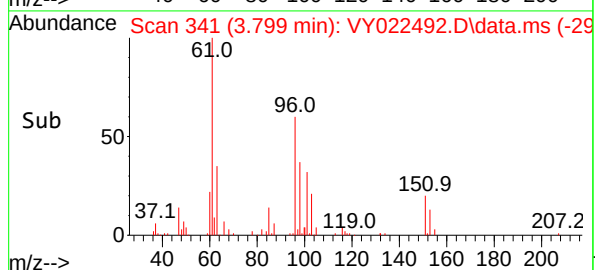
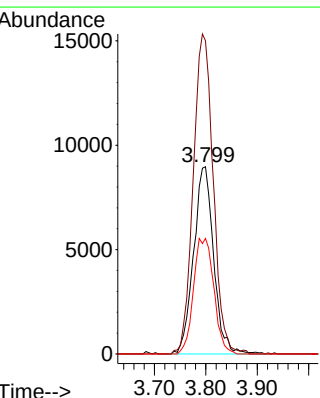
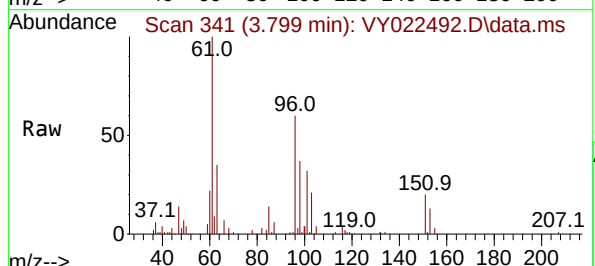
Tgt Ion: 96 Resp: 24370

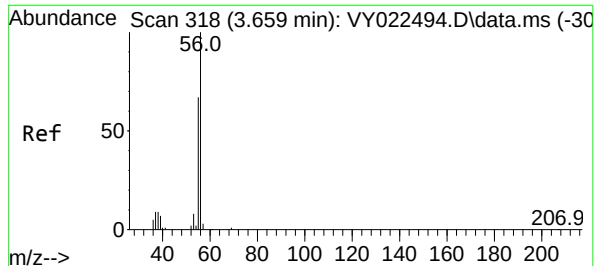
Ion Ratio Lower Upper

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

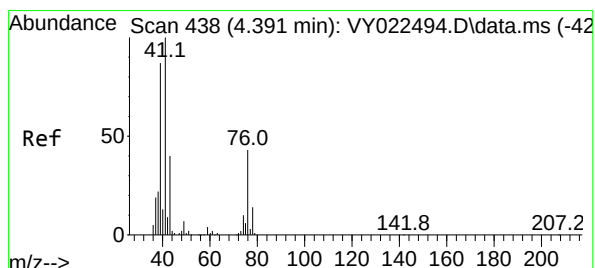
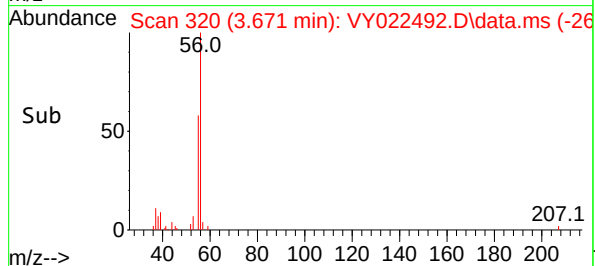
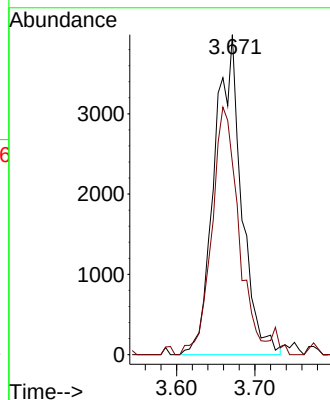
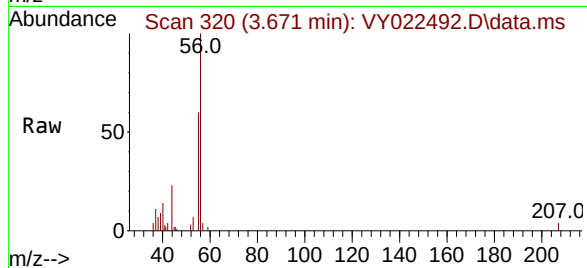
55 76.0 57.0 85.6

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

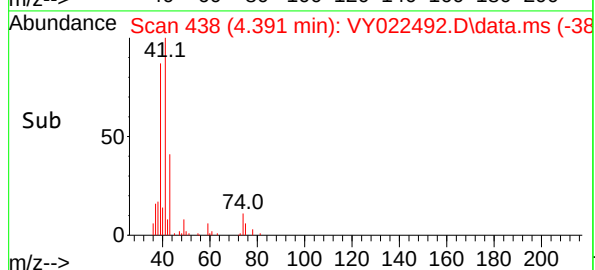
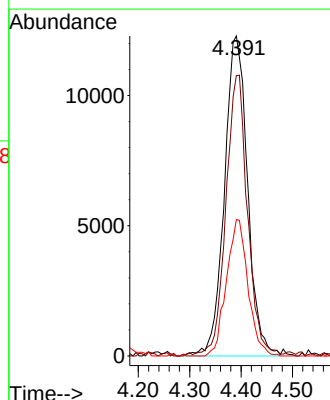
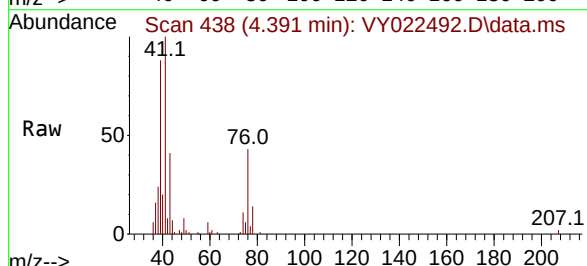
Tgt Ion: 41 Resp: 38482

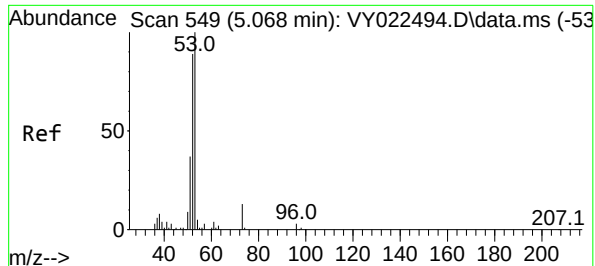
Ion Ratio Lower Upper

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 :

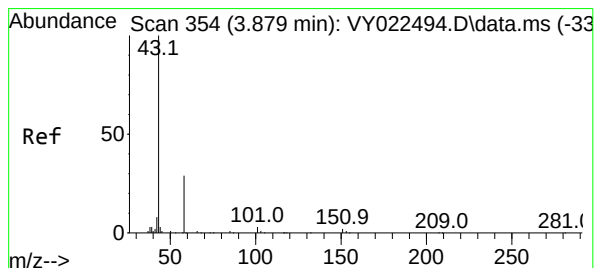
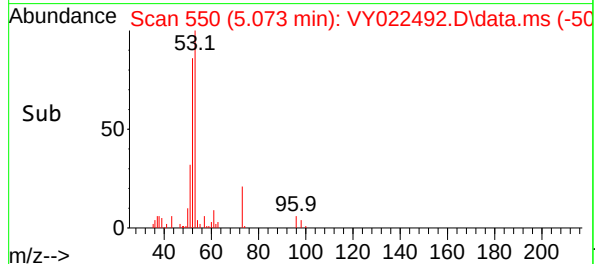
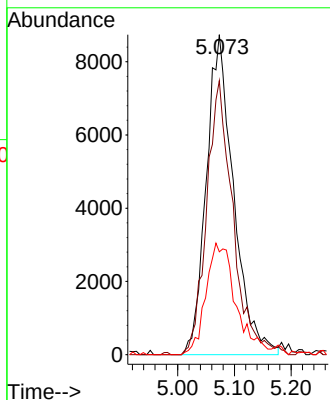
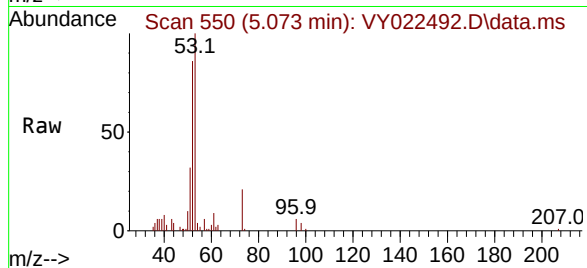
VSTDIC010

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

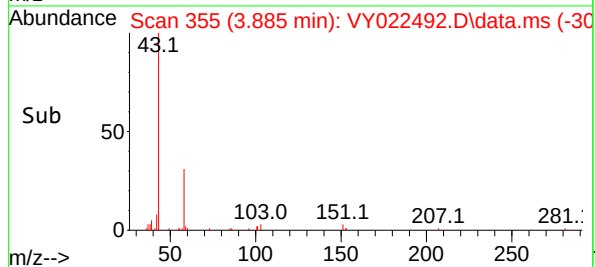
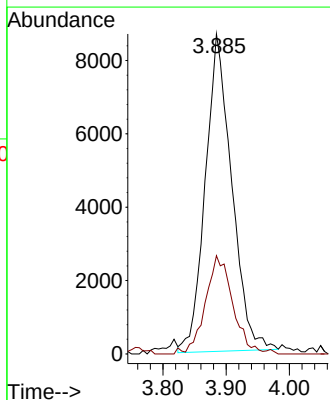
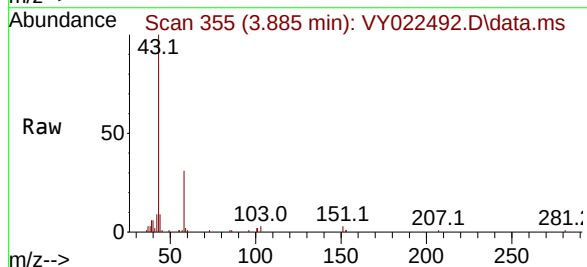
RT: 3.885 min Scan# 355

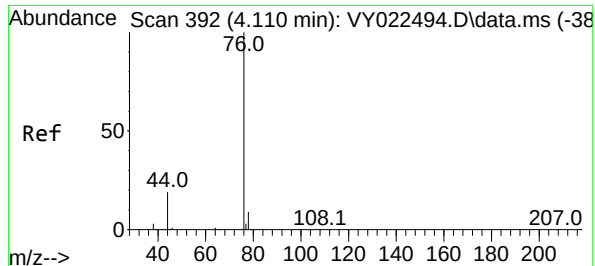
Delta R.T. 0.006 min

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

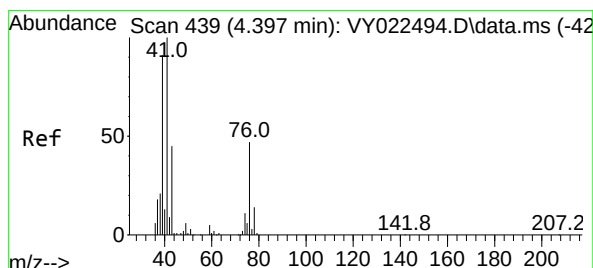
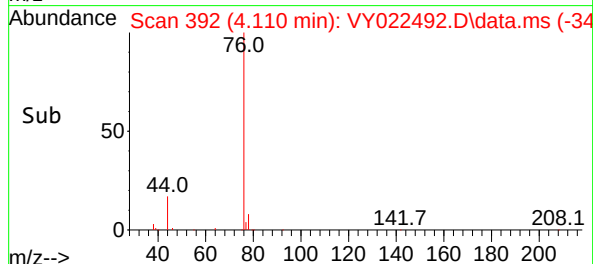
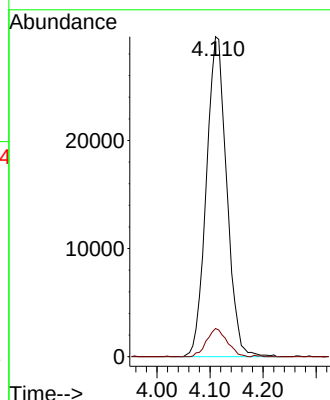
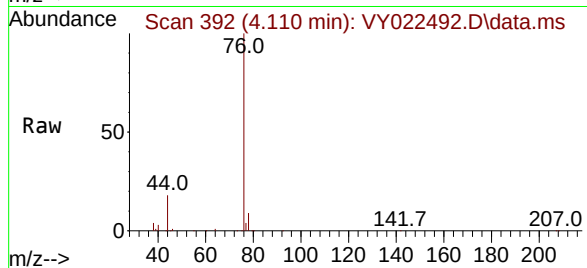
78 8.8 7.4 11.2

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

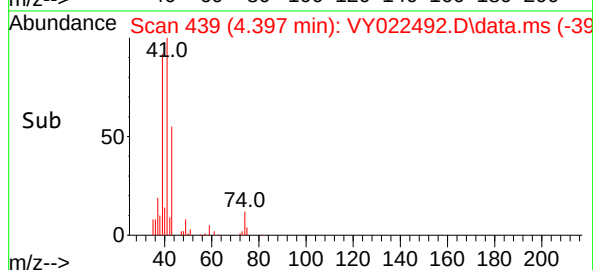
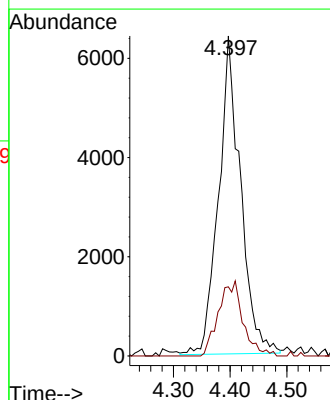
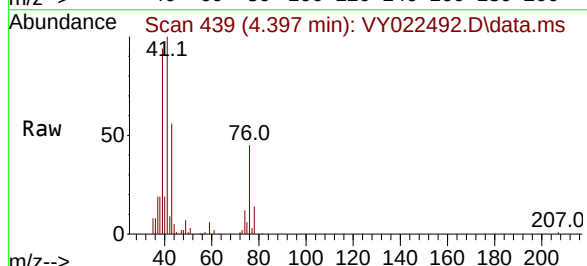
Acq: 02 Jun 2025 12:09

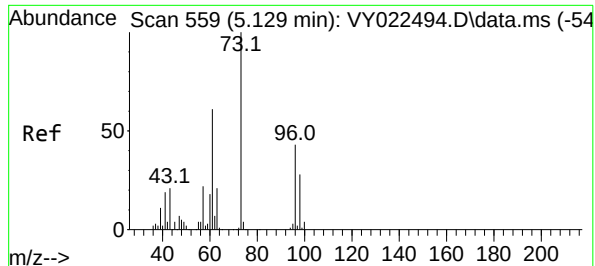
Tgt Ion: 43 Resp: 17228

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

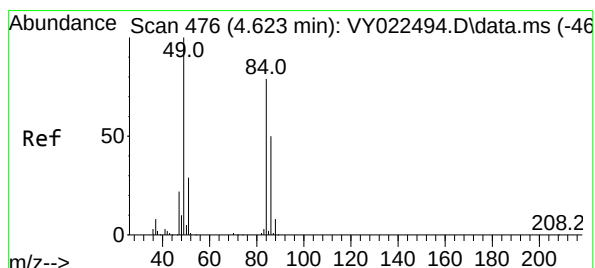
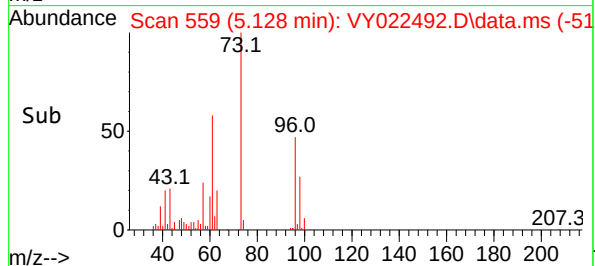
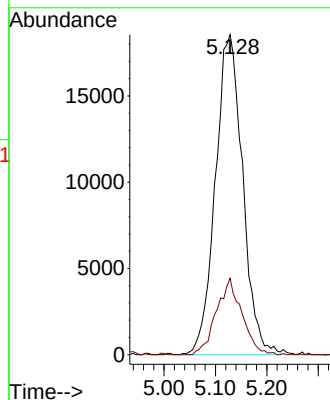
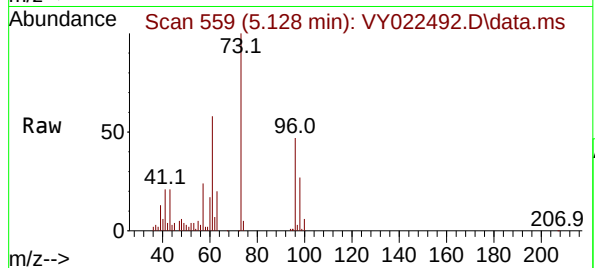
57 23.9 17.4 26.0

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

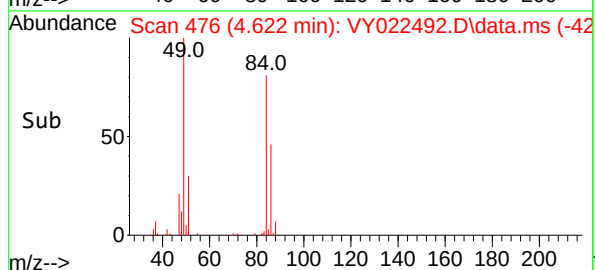
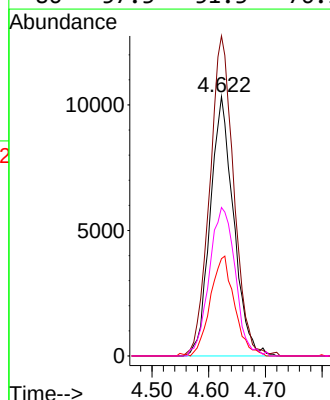
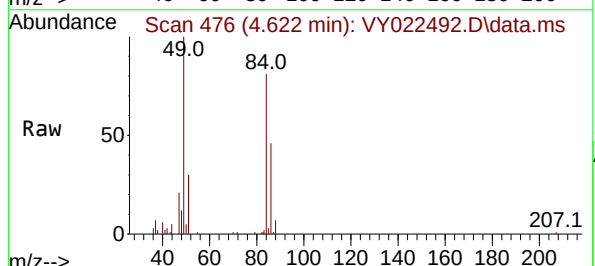
Ion Ratio Lower Upper

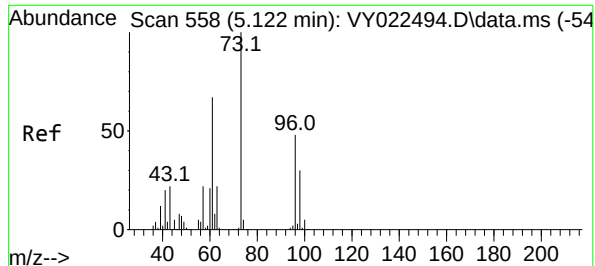
84 100

49 123.4 101.9 152.9

51 37.5 29.8 44.8

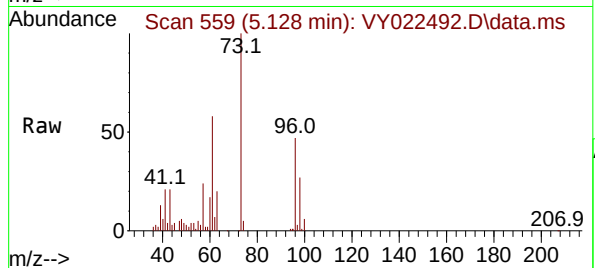
86 57.3 51.3 76.9





#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

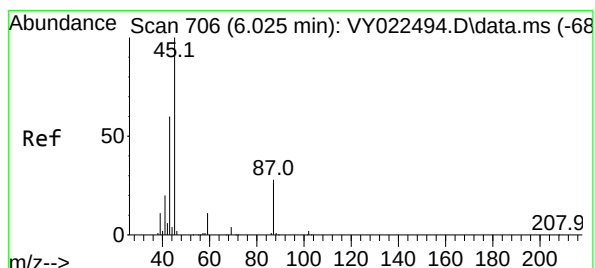
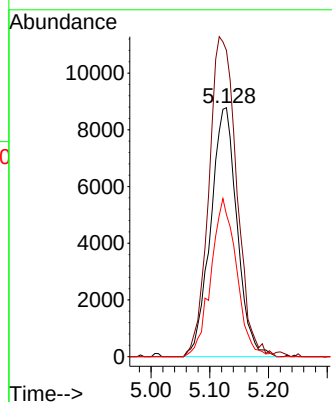
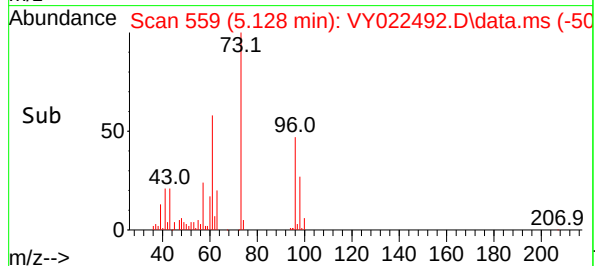
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



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

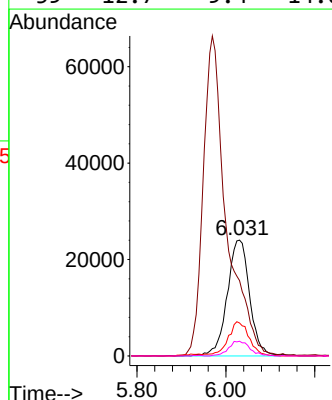
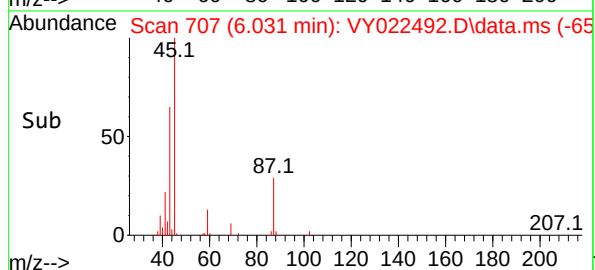
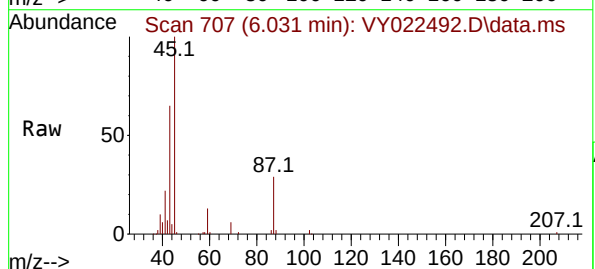
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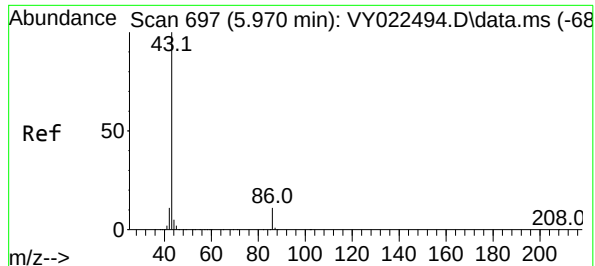
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





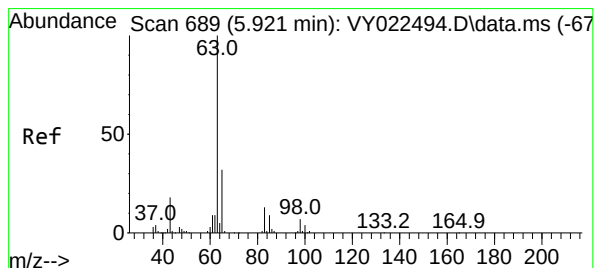
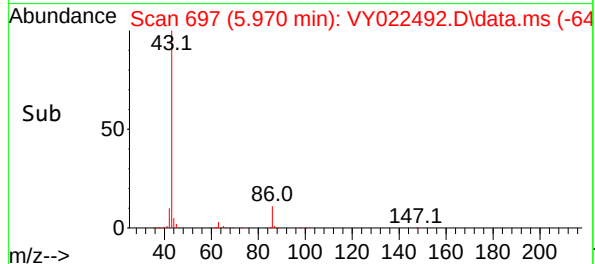
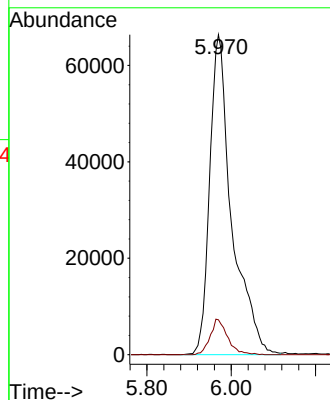
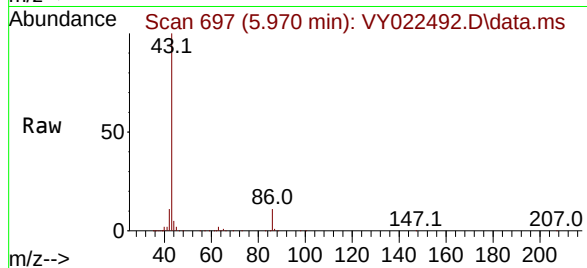
#23
Vinyl Acetate
Concen: 54.152 ug/l
RT: 5.970 min Scan# 697
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 241364
Ion Ratio Lower Upper
43 100
86 10.9 8.6 12.8

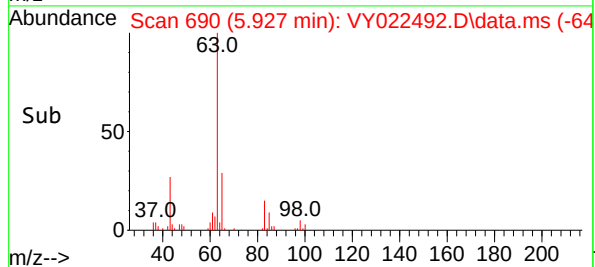
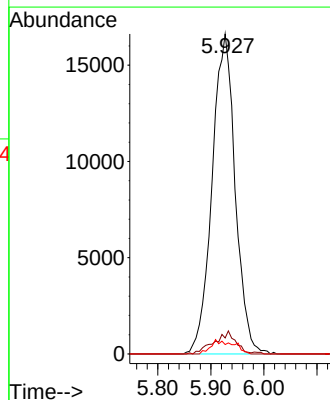
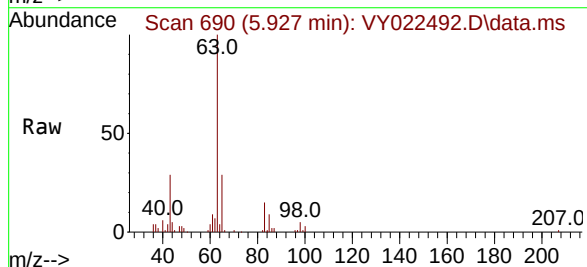
Manual Integrations
APPROVED

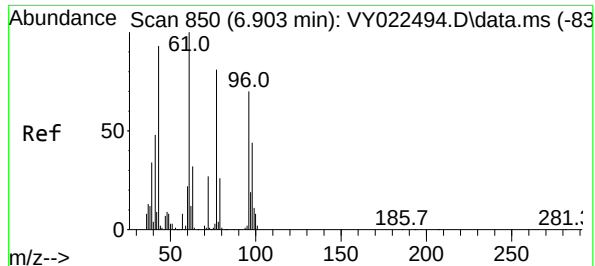
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

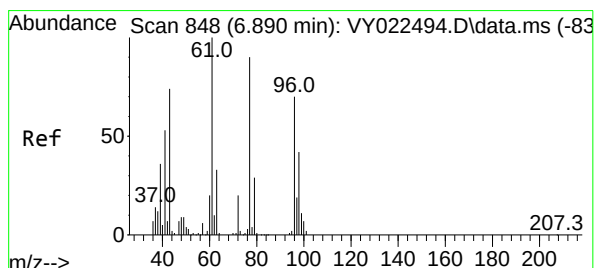
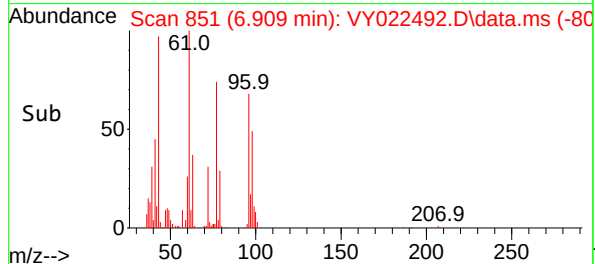
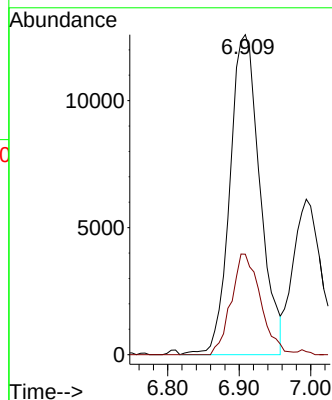
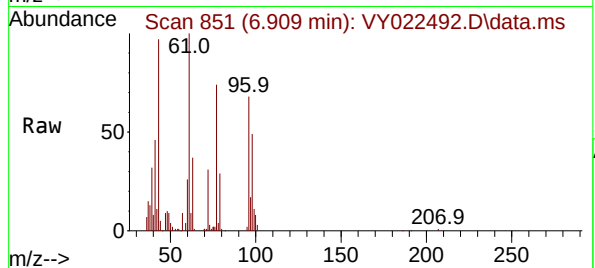
72 31.4 22.9 34.3

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

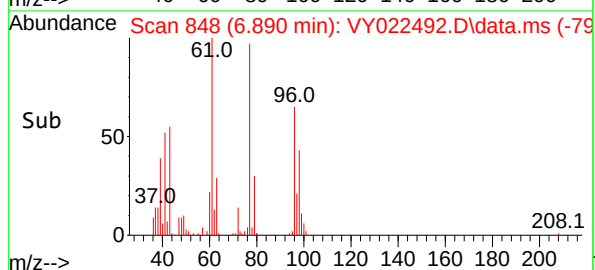
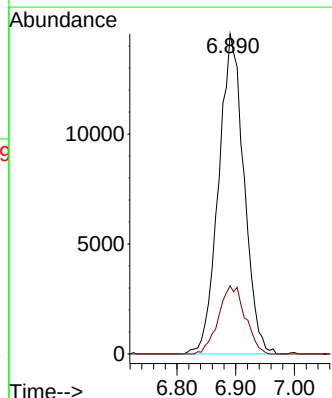
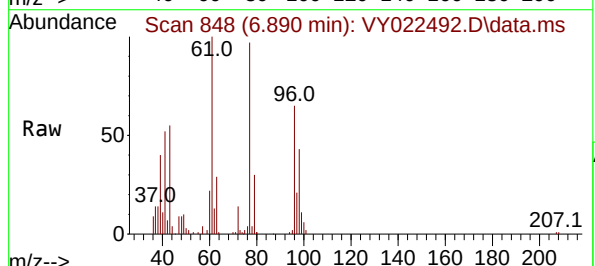
Acq: 02 Jun 2025 12:09

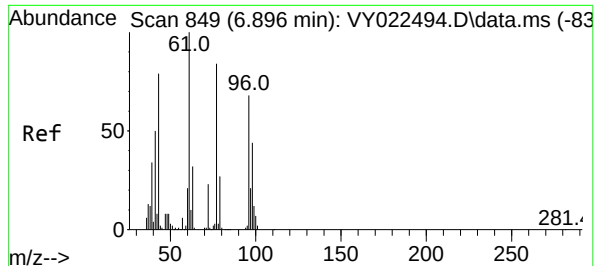
Tgt Ion: 77 Resp: 43605

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 :

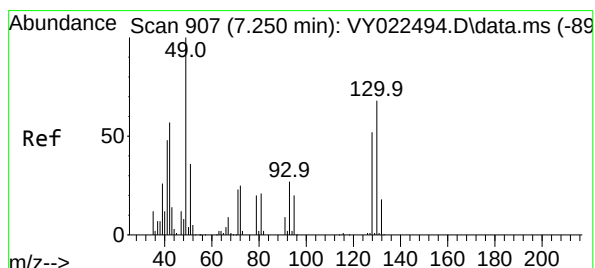
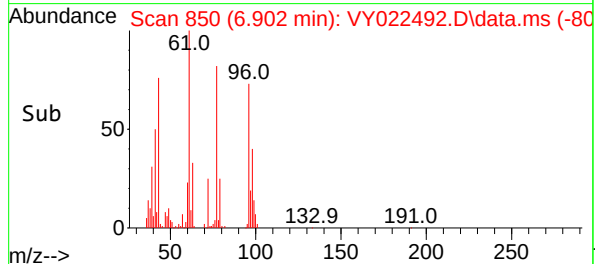
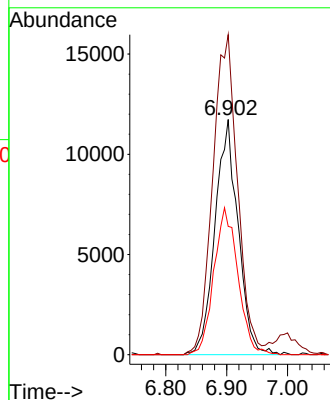
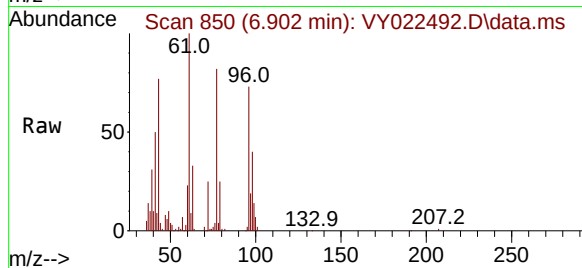
VSTDICC010

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

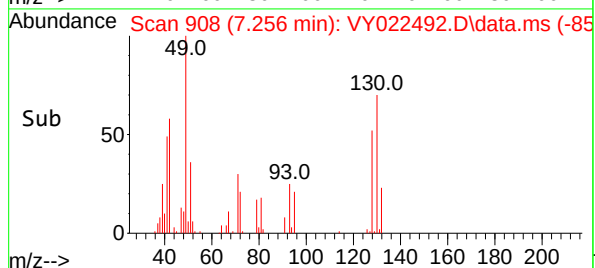
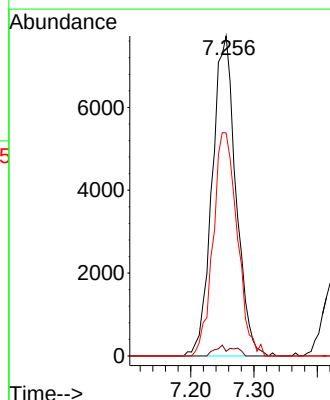
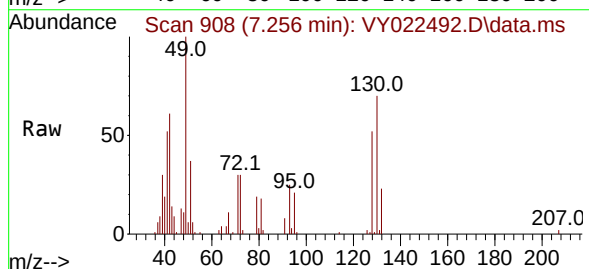
RT: 7.256 min Scan# 908

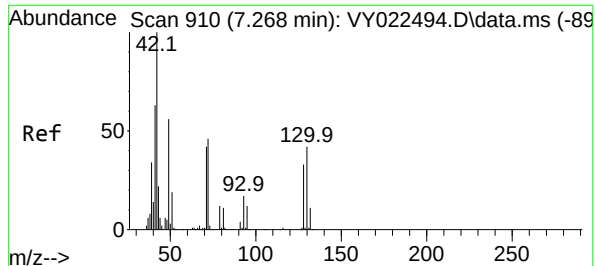
Delta R.T. 0.006 min

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 :

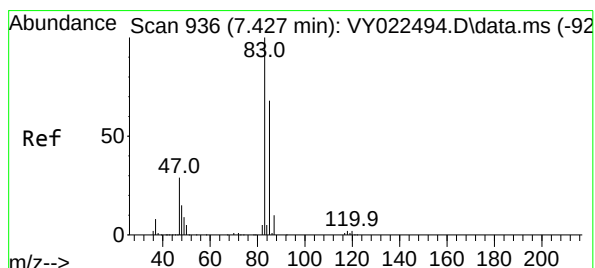
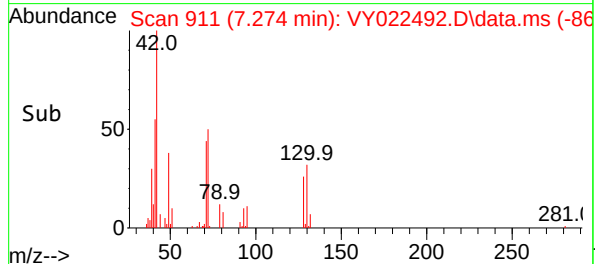
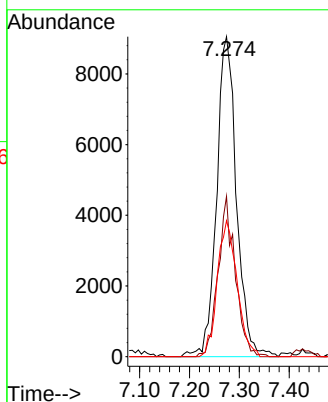
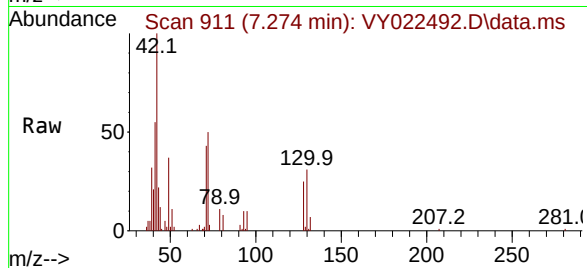
VSTDICC010

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

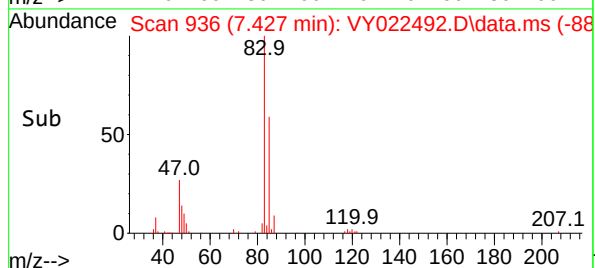
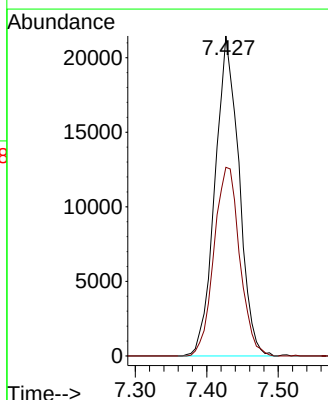
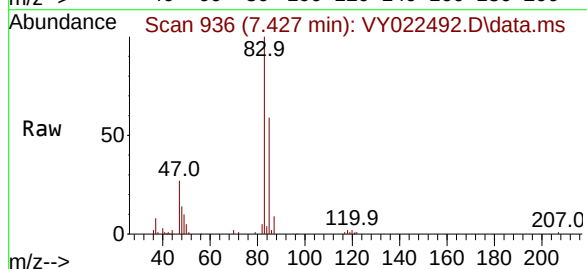
RT: 7.427 min Scan# 936

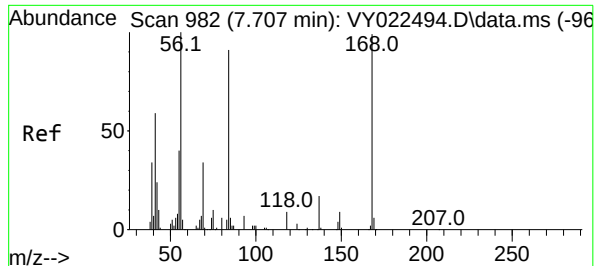
Delta R.T. -0.000 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

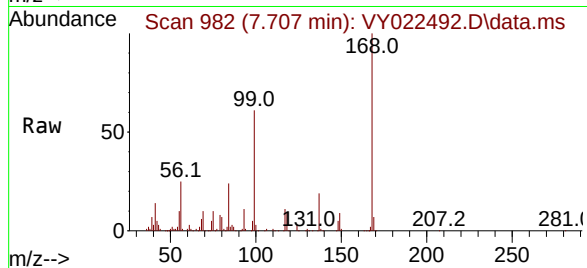
Tgt Ion:	83	Resp:	49990
Ion	Ratio	Lower	Upper
83	100		
85	59.0	54.2	81.4





#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

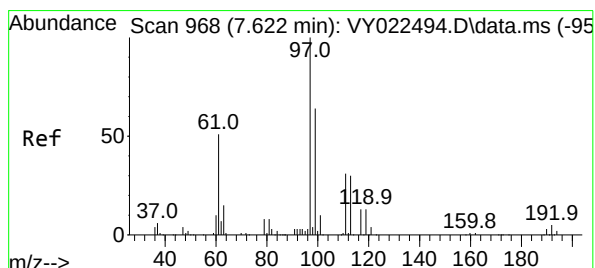
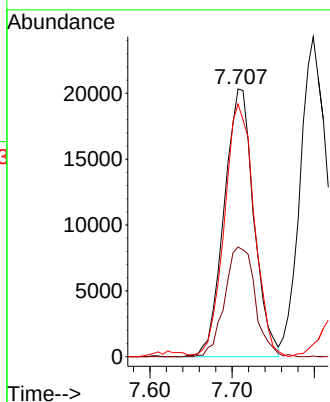
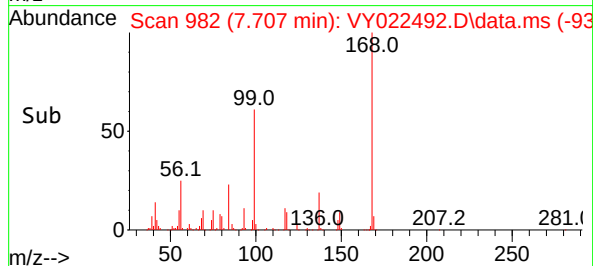
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



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

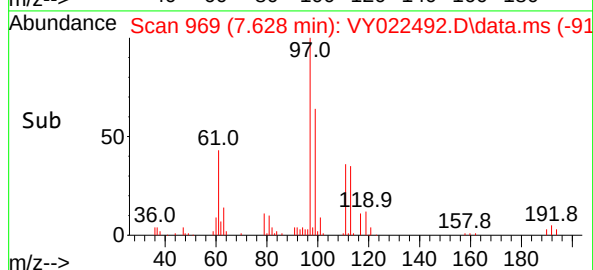
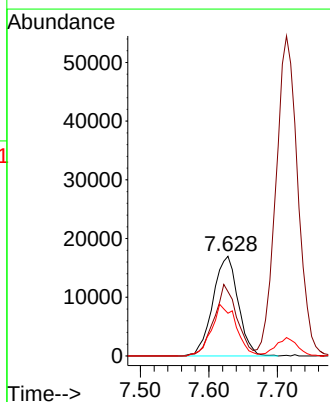
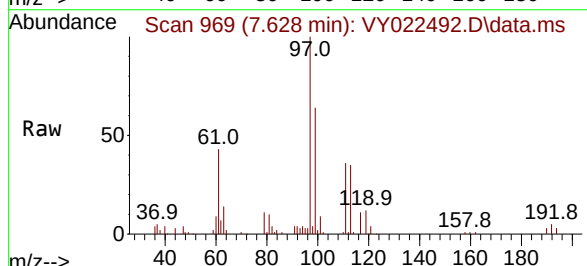
Manual Integrations
APPROVED

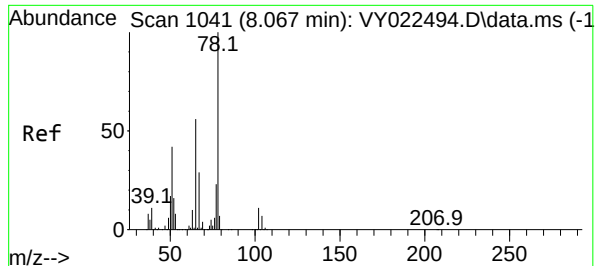
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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 :

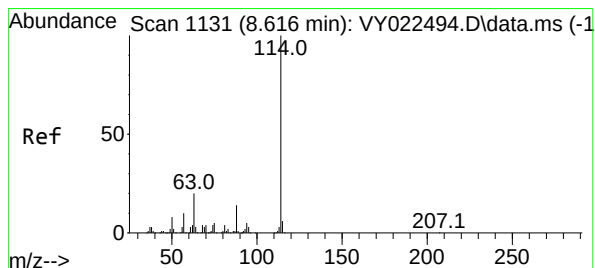
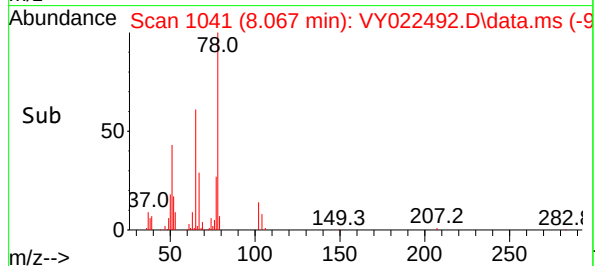
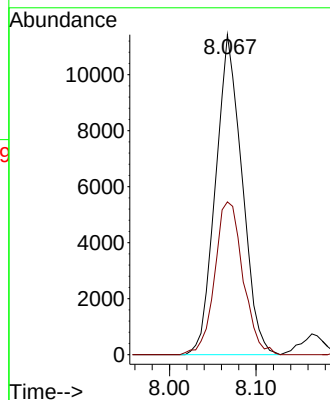
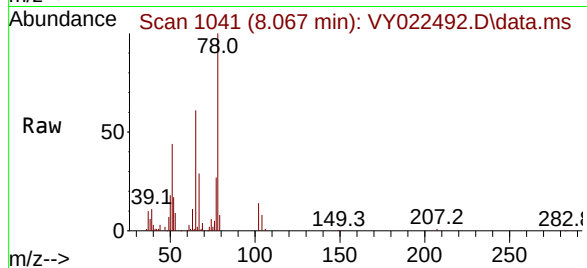
VSTDICC010

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

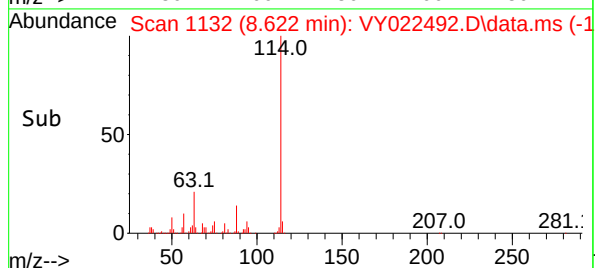
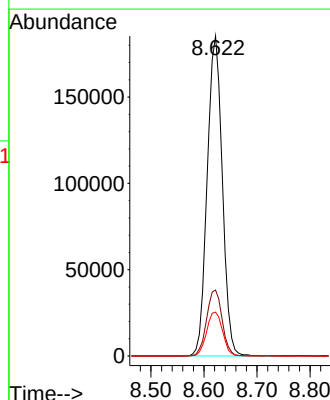
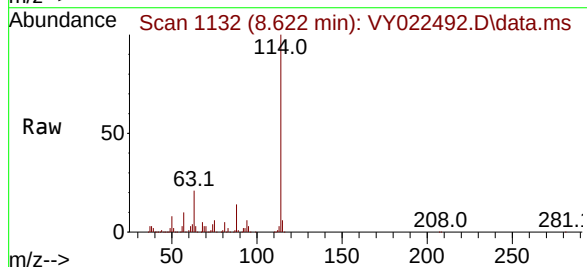
Tgt Ion:114 Resp: 366386

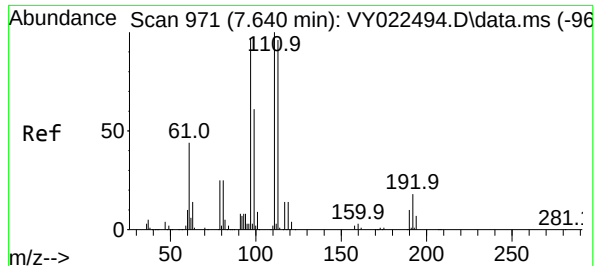
Ion Ratio Lower Upper

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

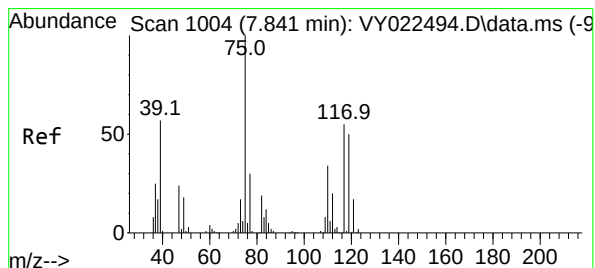
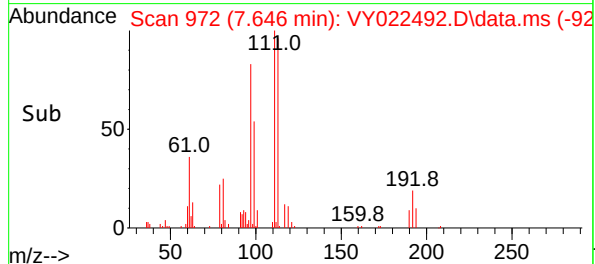
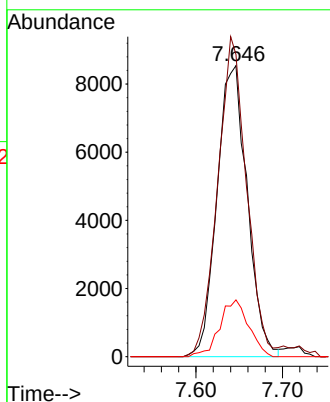
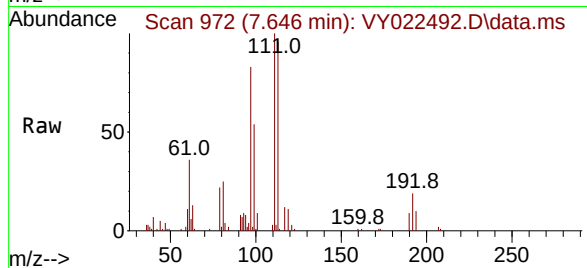
192 18.7 14.2 21.2

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

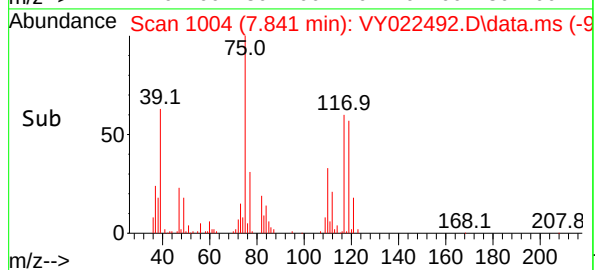
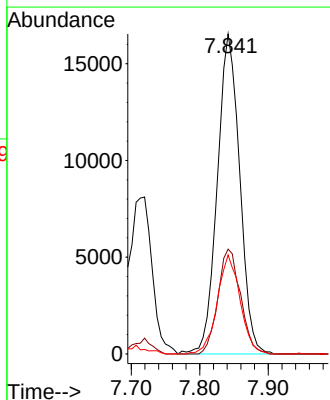
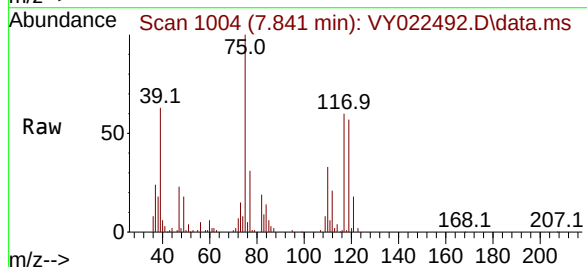
Tgt Ion: 75 Resp: 37532

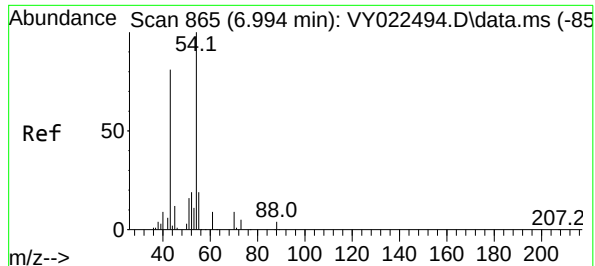
Ion Ratio Lower Upper

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 :

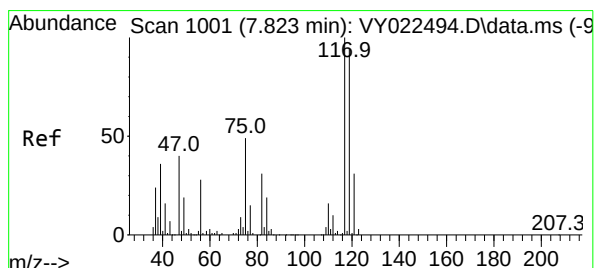
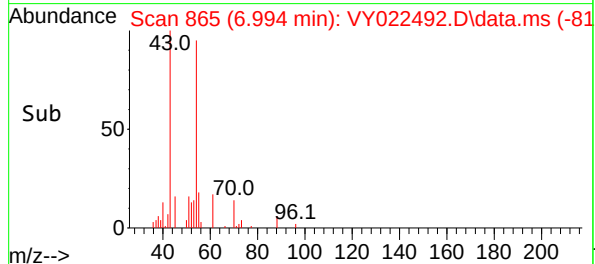
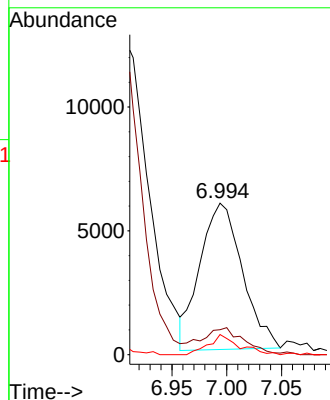
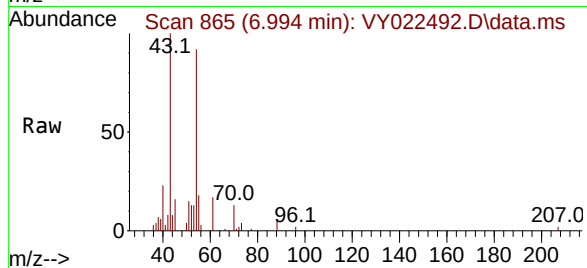
VSTDICC010

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

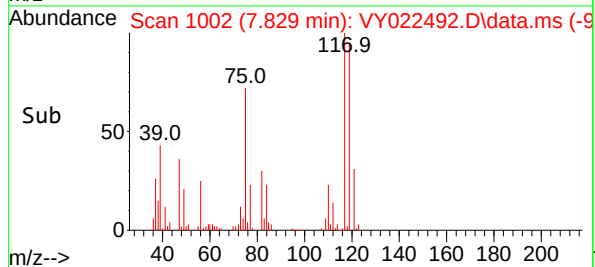
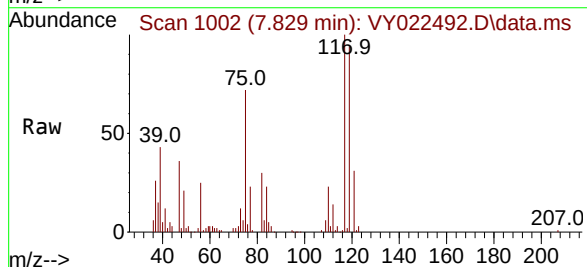
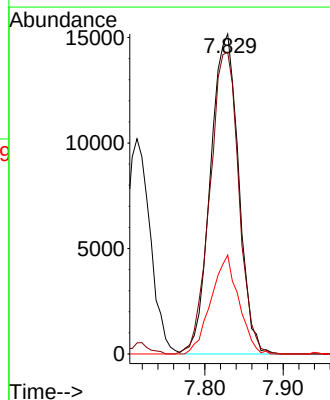
RT: 7.829 min Scan# 1002

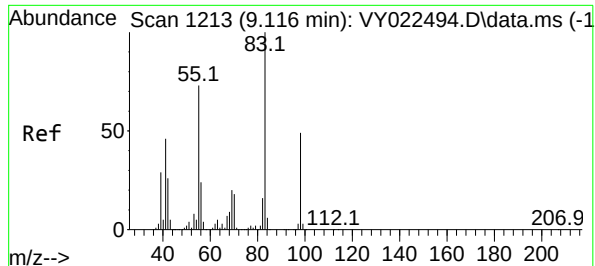
Delta R.T. 0.006 min

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# 1

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

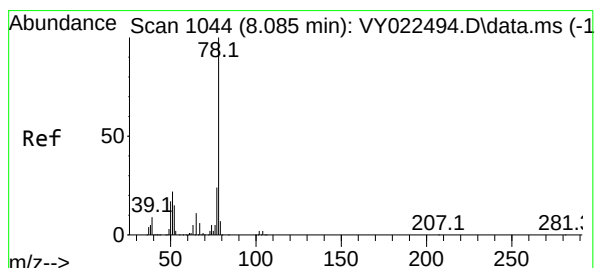
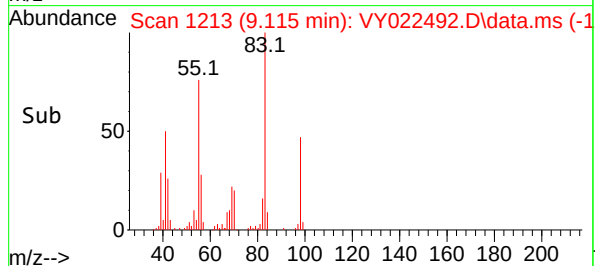
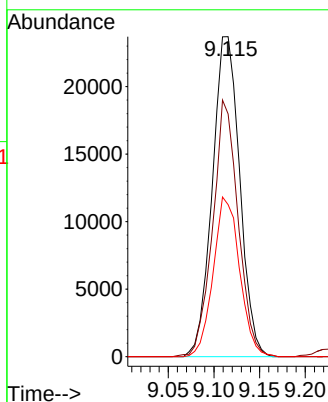
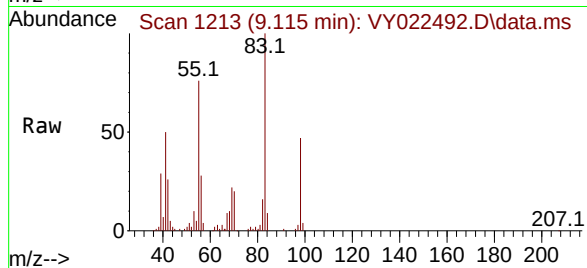
98 47.5 39.0 58.6

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

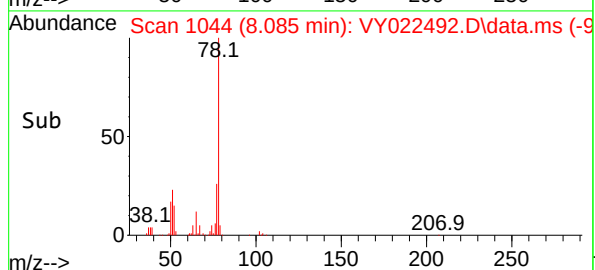
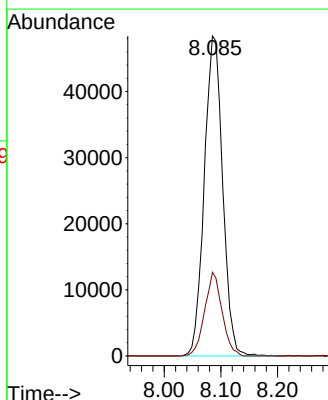
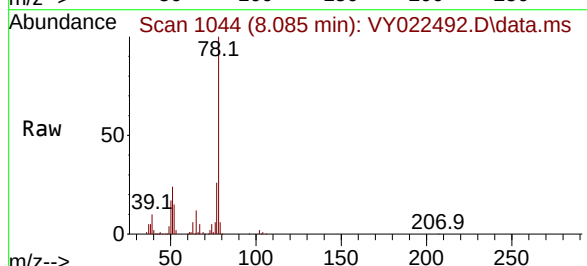
Acq: 02 Jun 2025 12:09

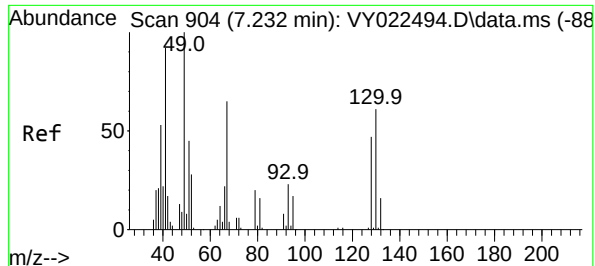
Tgt Ion: 78 Resp: 108934

Ion Ratio Lower Upper

78 100

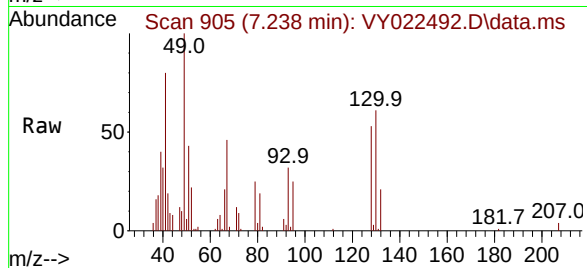
77 26.2 19.3 28.9





#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

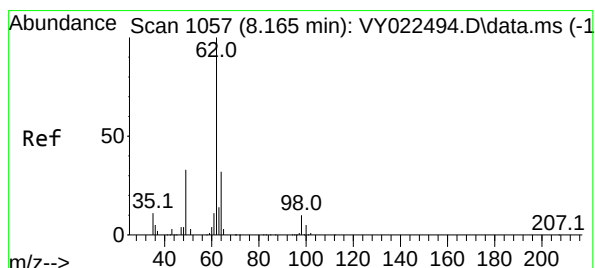
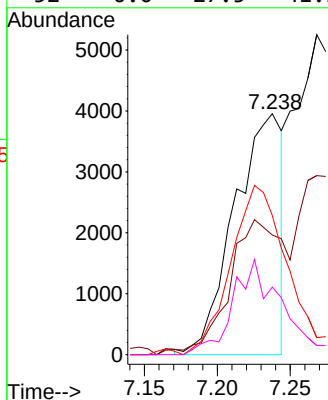
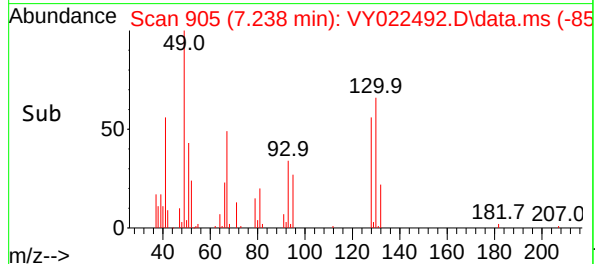
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

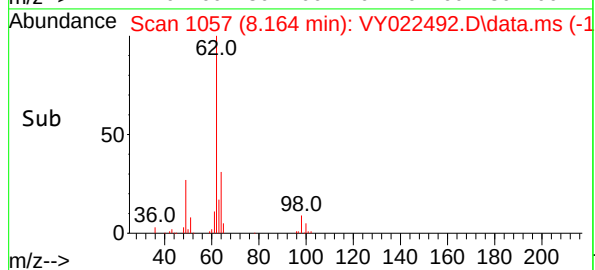
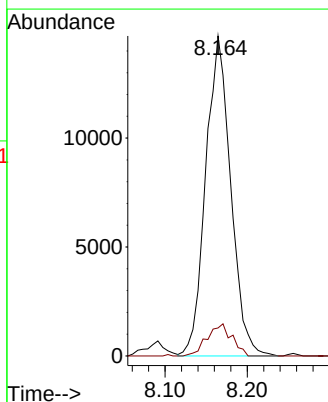
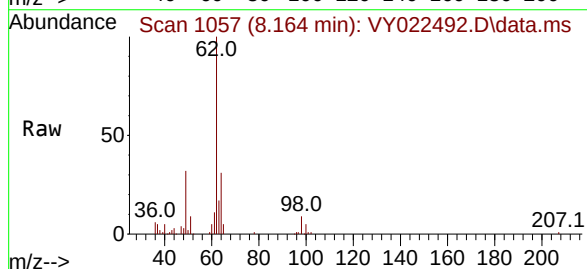
Manual Integrations
APPROVED

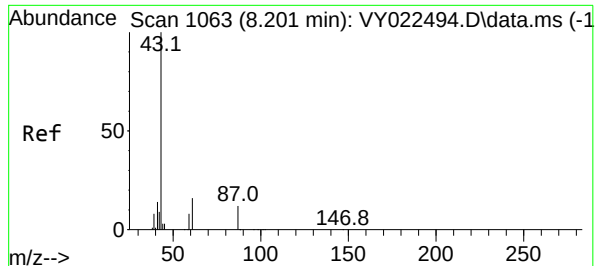
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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 :

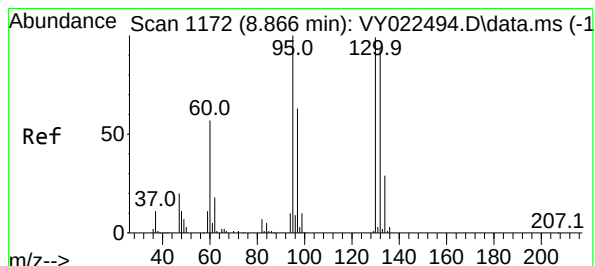
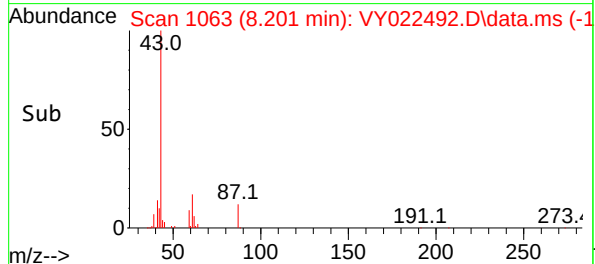
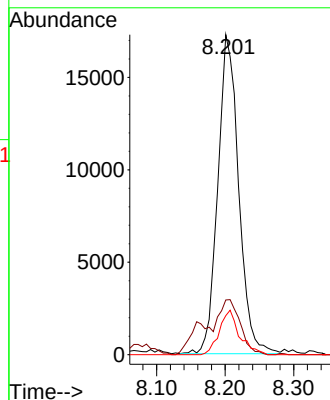
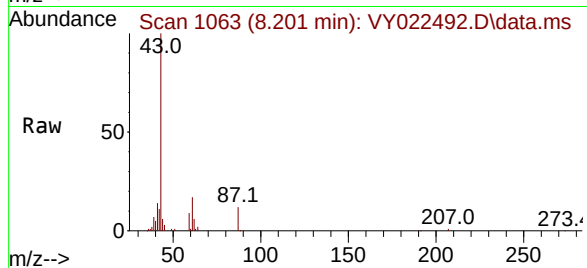
VSTDIC010

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

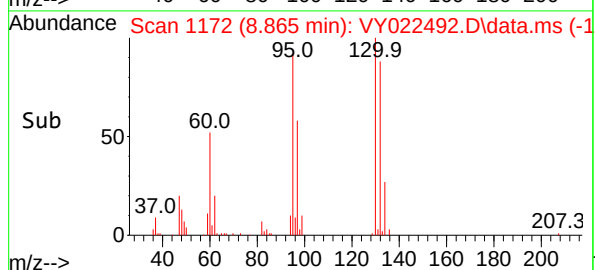
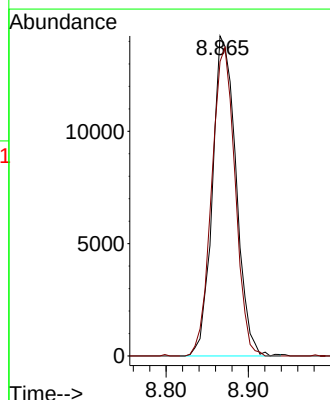
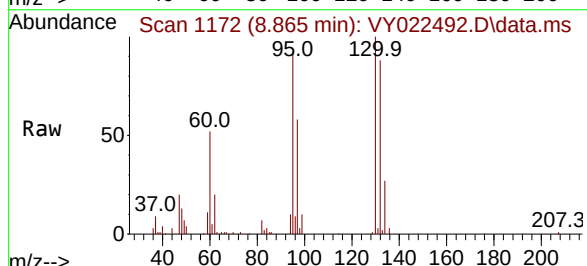
RT: 8.865 min Scan# 1172

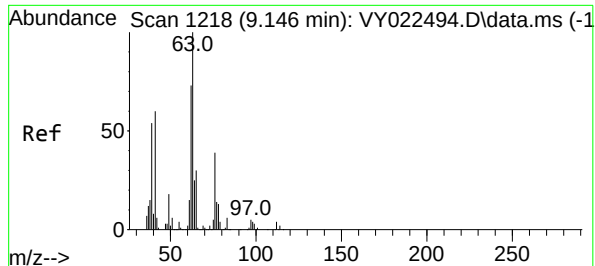
Delta R.T. -0.000 min

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

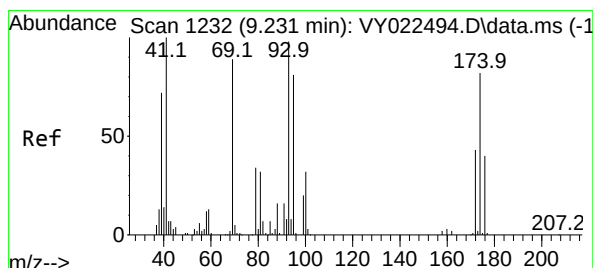
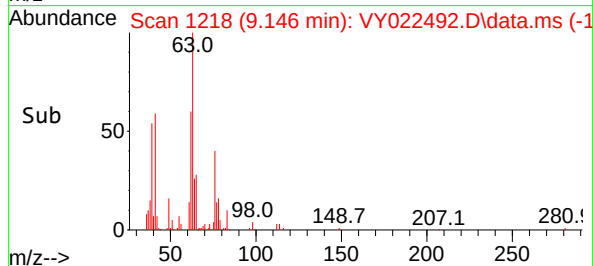
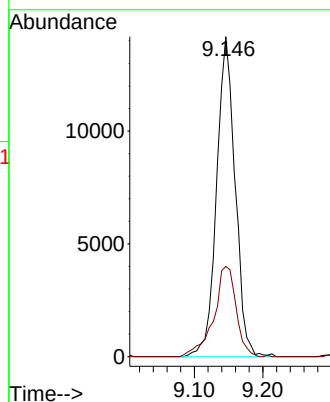
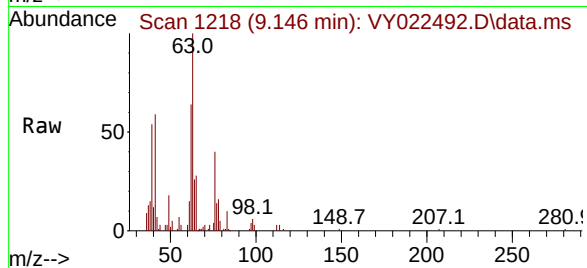
65 28.2 24.0 36.0

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

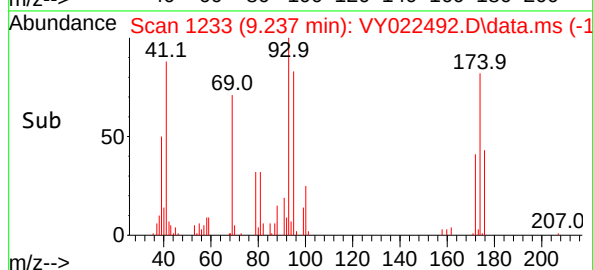
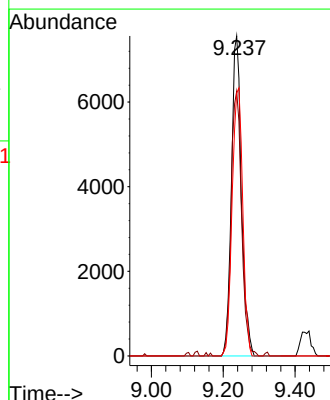
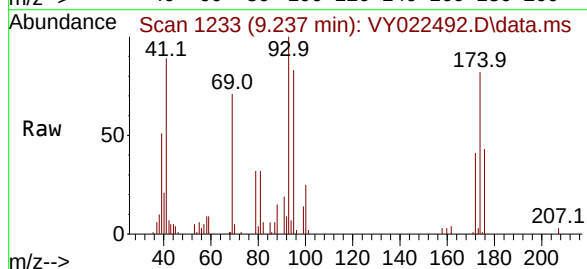
Tgt Ion: 93 Resp: 14601

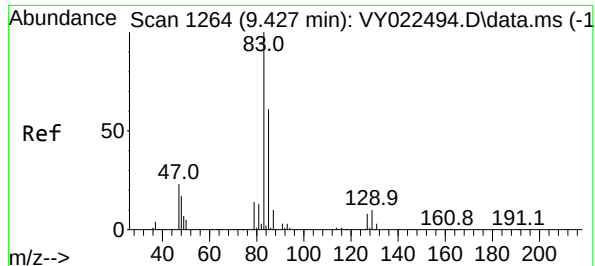
Ion Ratio Lower Upper

93 100

95 0.0 65.6 98.4#

174 0.0 70.4 105.6#





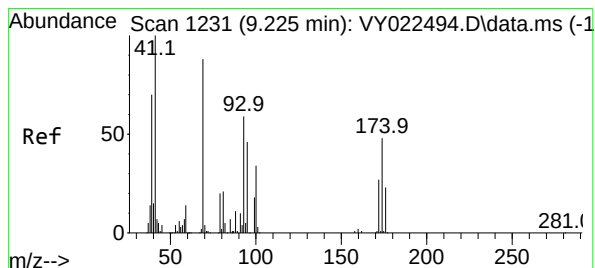
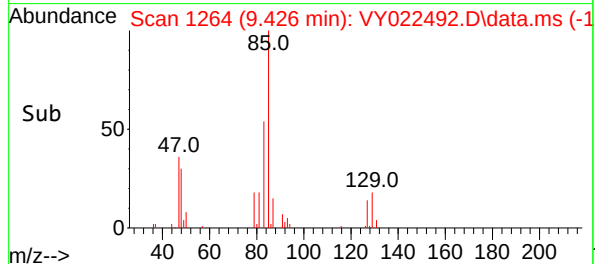
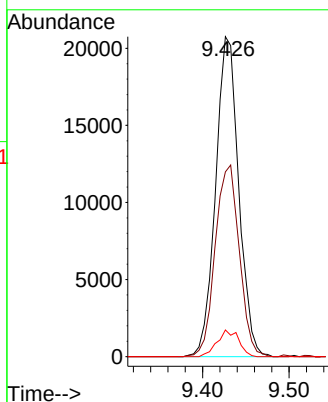
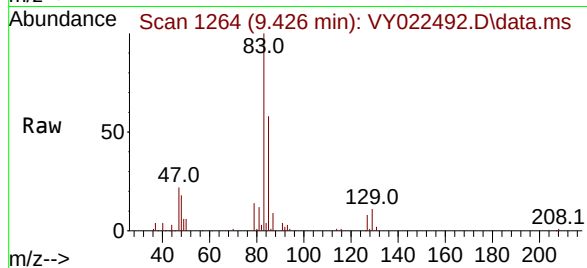
#47
Bromodichloromethane
Concen: 11.048 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

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

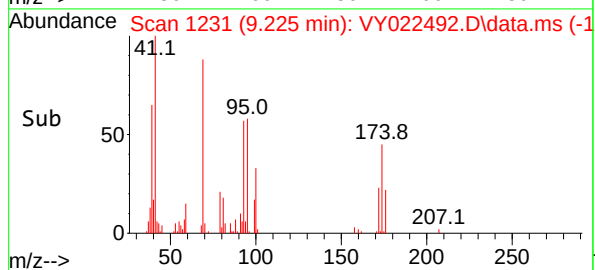
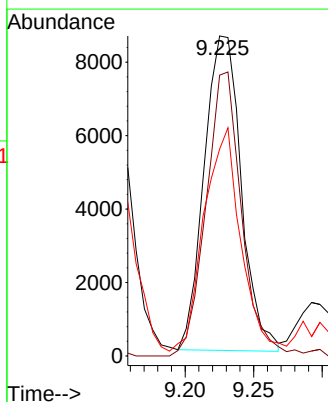
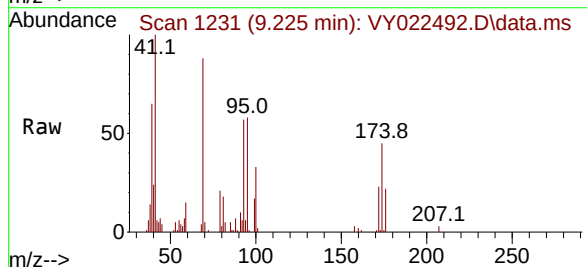
Manual Integrations
APPROVED

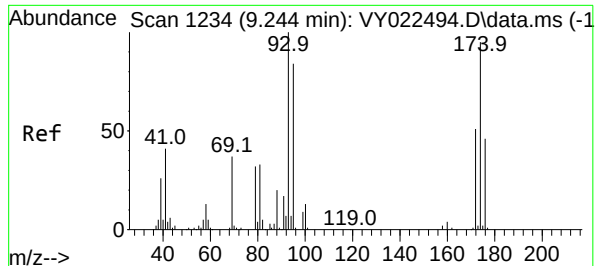
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

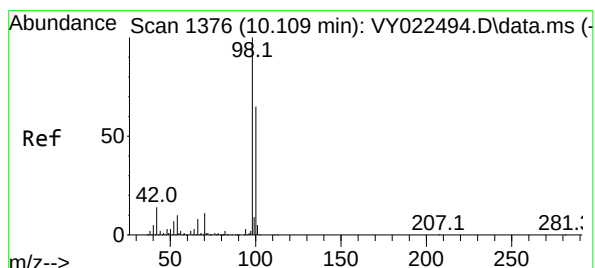
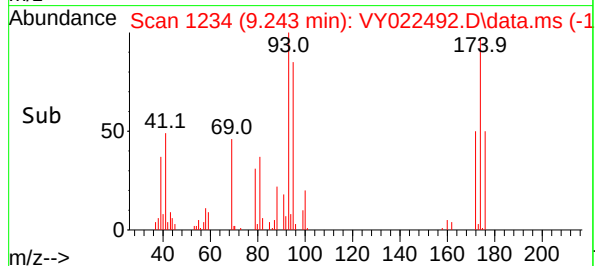
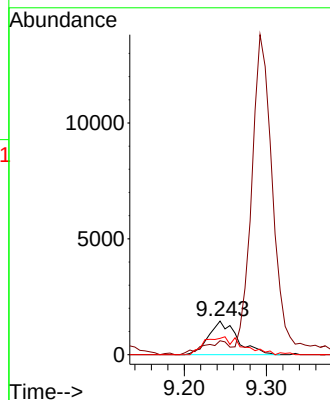
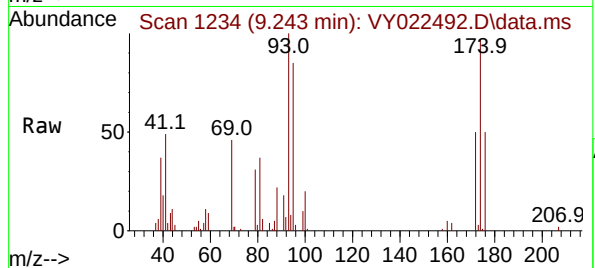
58 69.8 54.9 82.3

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

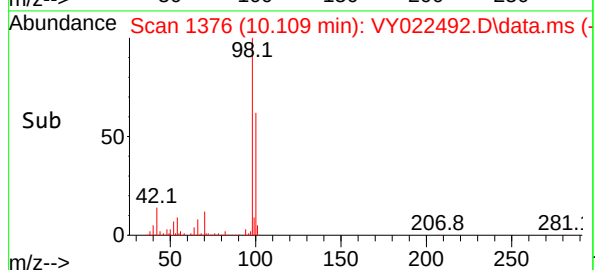
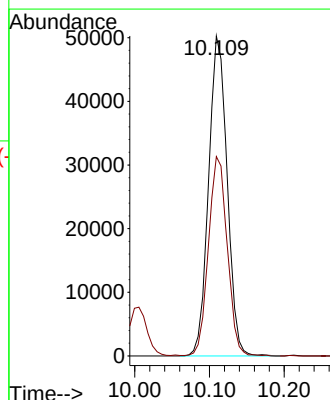
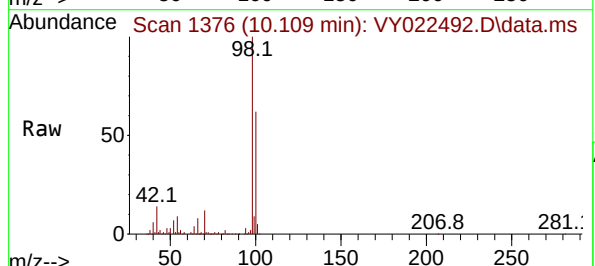
Acq: 02 Jun 2025 12:09

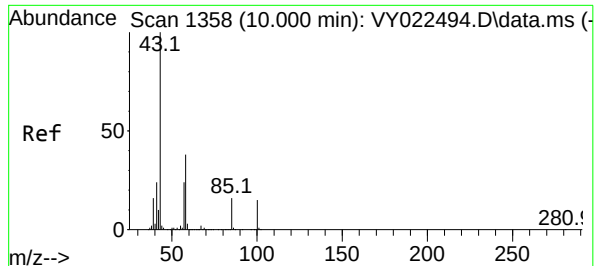
Tgt Ion: 98 Resp: 86561

Ion Ratio Lower Upper

98 100

100 63.2 51.4 77.0





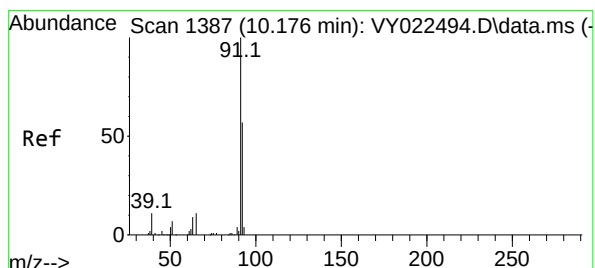
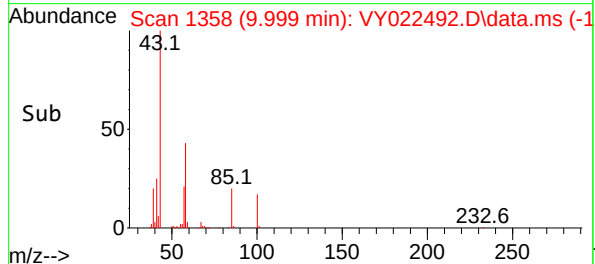
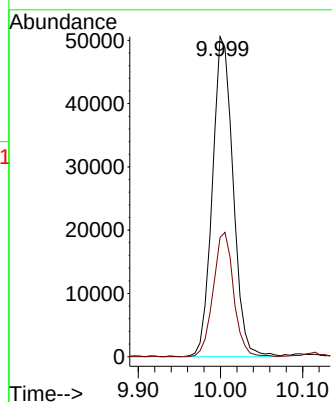
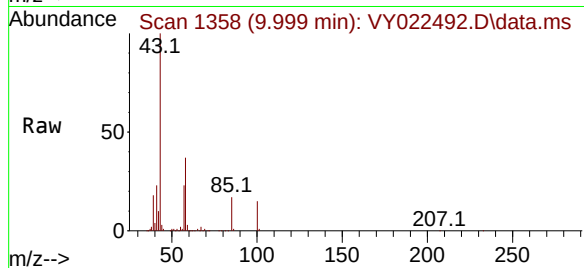
#51
4-Methyl-2-Pentanone
Concen: 53.259 ug/l
RT: 9.999 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 88634
Ion Ratio Lower Upper
43 100
58 38.3 30.4 45.6

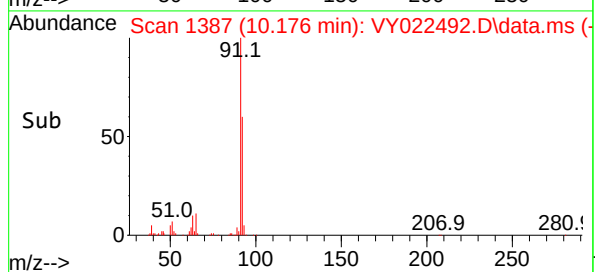
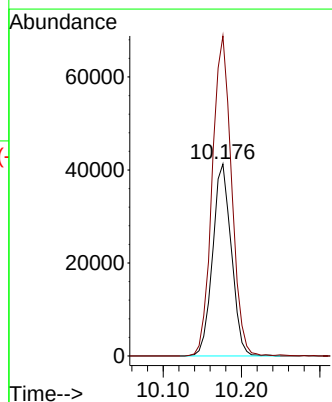
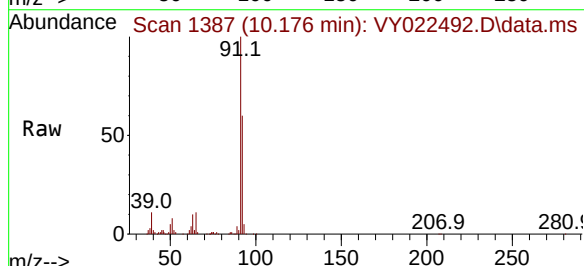
Manual Integrations
APPROVED

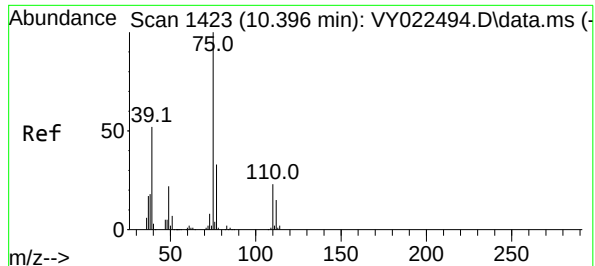
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





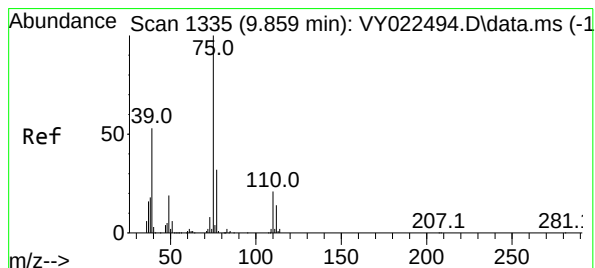
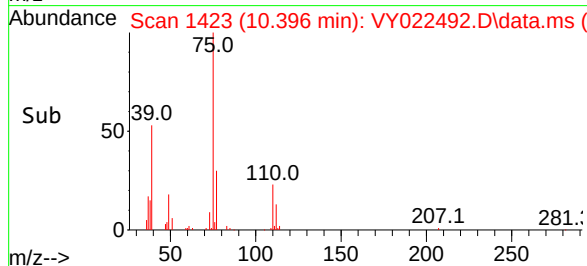
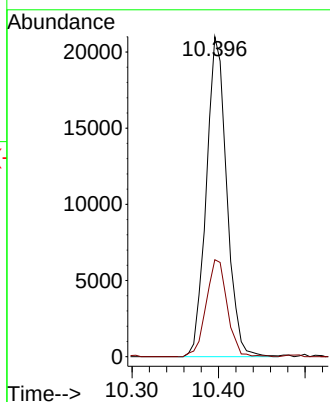
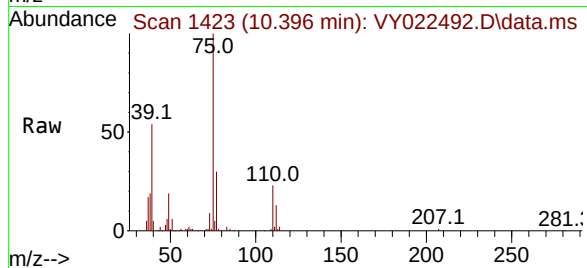
#53
t-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 3430
Ion Ratio Lower Upper
75 100
77 30.3 26.5 39.7

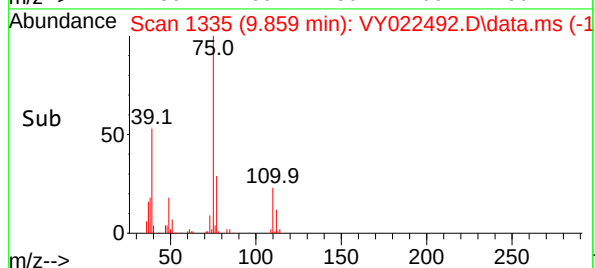
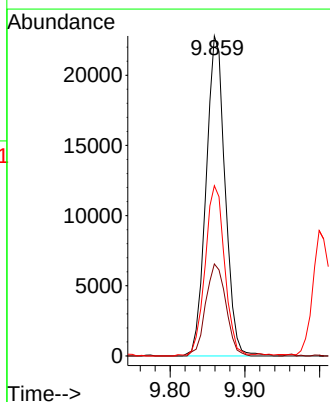
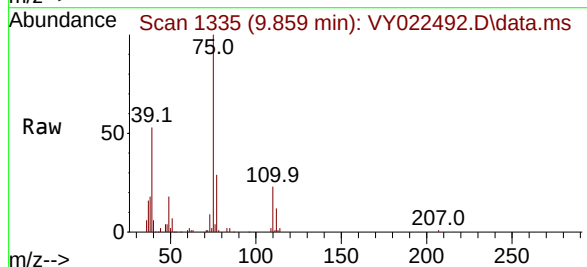
Manual Integrations
APPROVED

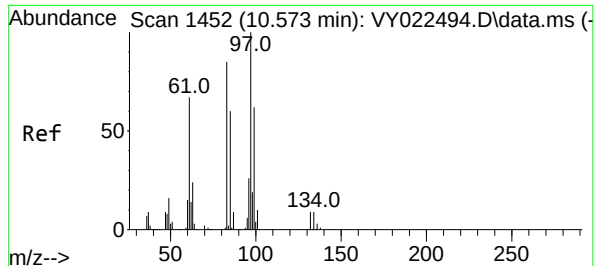
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

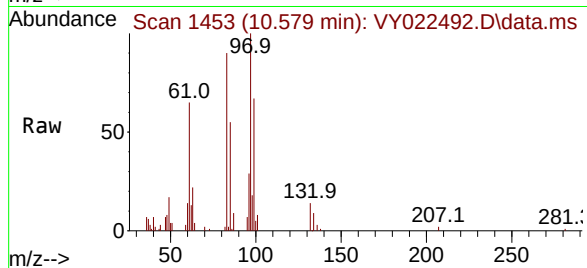
Tgt Ion: 75 Resp: 40229
Ion Ratio Lower Upper
75 100
77 28.7 25.3 37.9
39 52.8 42.7 64.1





#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

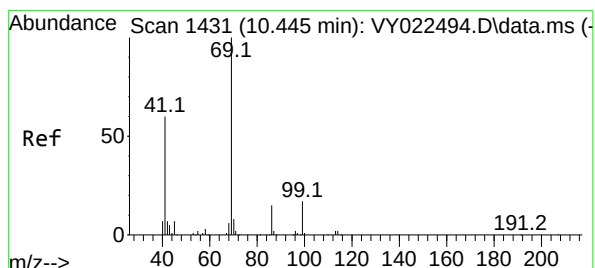
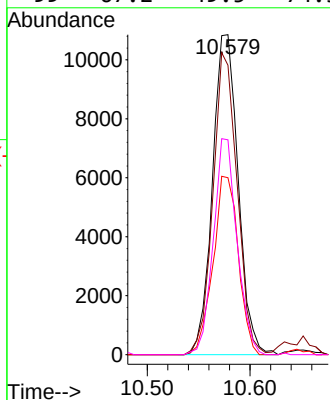
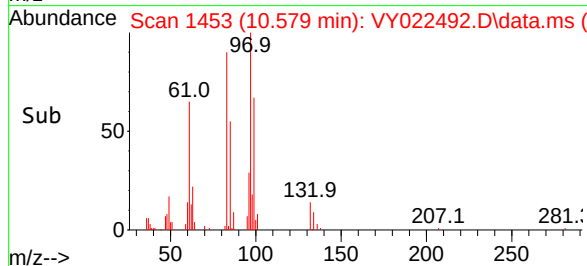
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



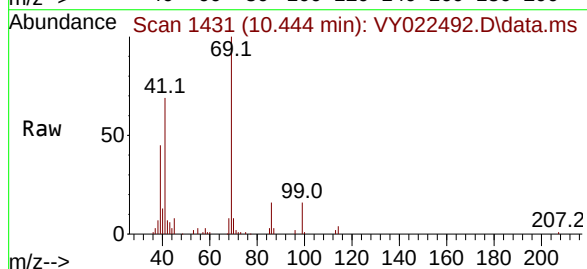
Tgt Ion: 97 Resp: 1884
Ion Ratio Lower Upper
97 100
83 90.5 68.1 102.1
85 55.3 48.2 72.2
99 67.2 49.5 74.3

Manual Integrations
APPROVED

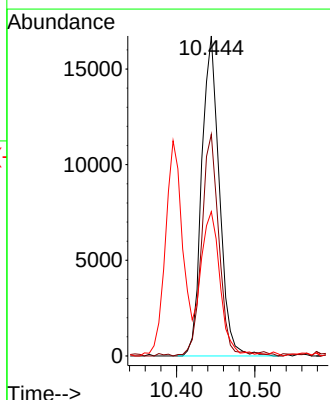
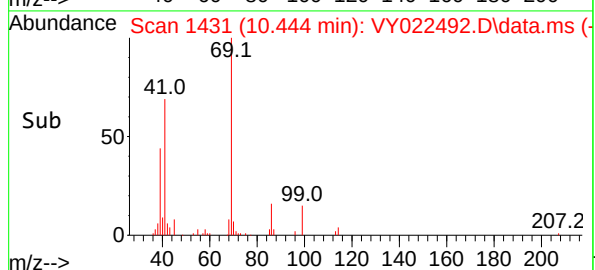
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

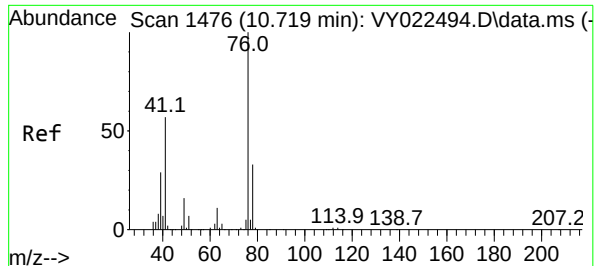


#56
Ethyl methacrylate
Concen: 10.426 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



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





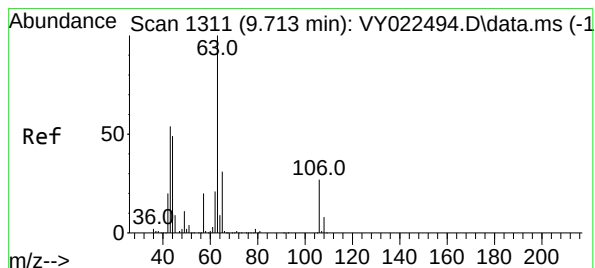
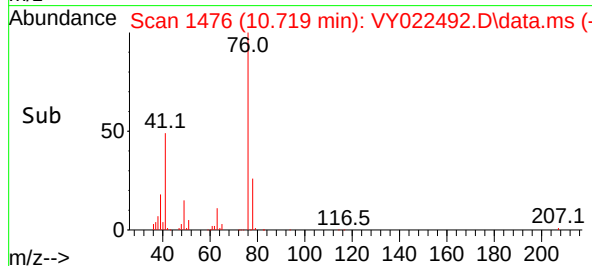
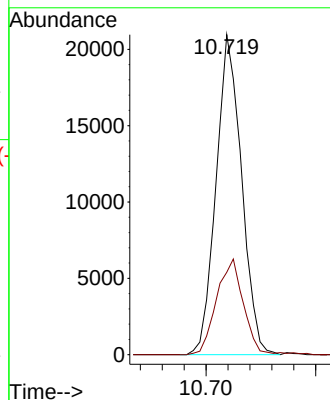
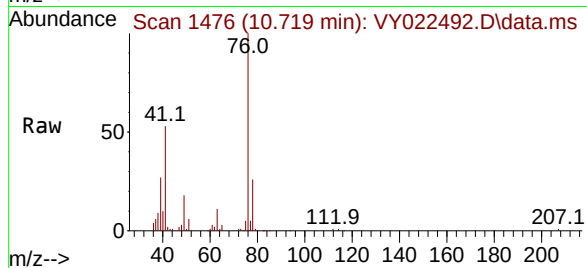
#57
1,3-Dichloropropane
Concen: 10.991 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 33830
Ion Ratio Lower Upper
76 100
78 31.8 25.8 38.8

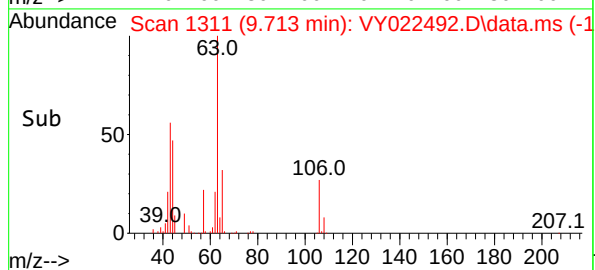
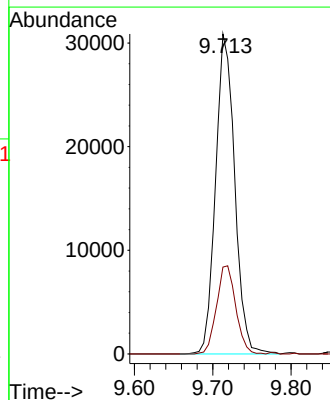
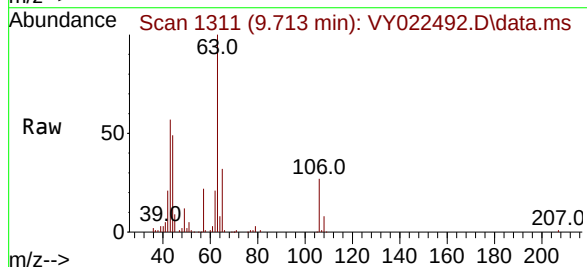
Manual Integrations
APPROVED

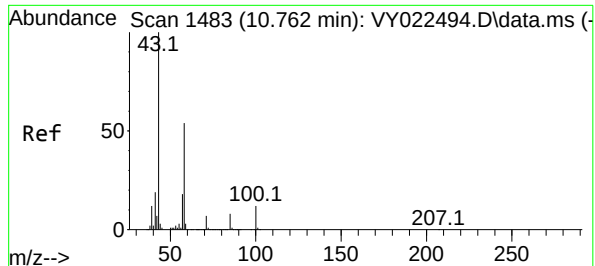
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

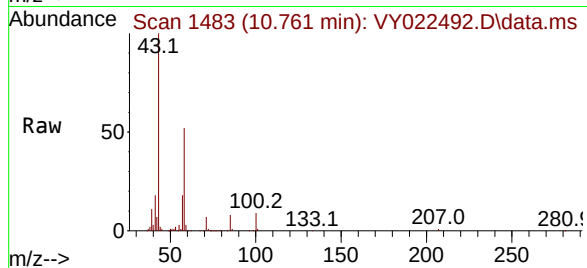
Tgt Ion: 63 Resp: 52396
Ion Ratio Lower Upper
63 100
106 27.7 21.6 32.4





#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

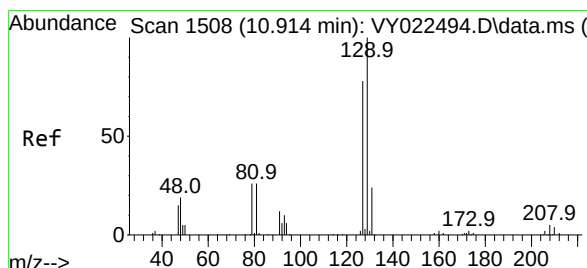
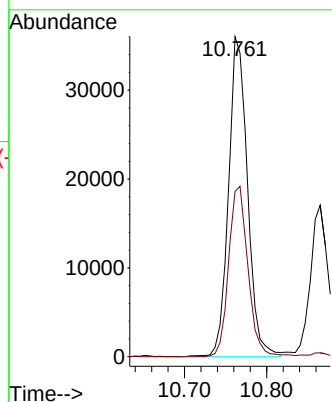
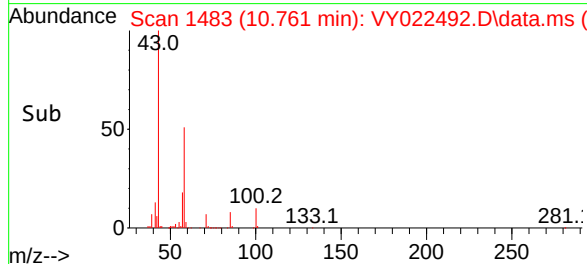
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 57738
Ion Ratio Lower Upper
43 100
58 54.3 27.3 81.8

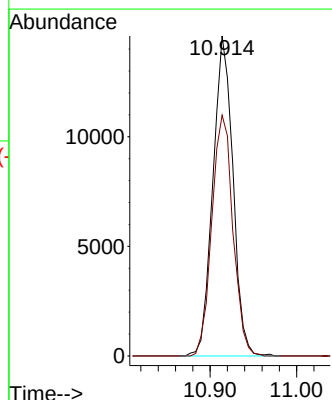
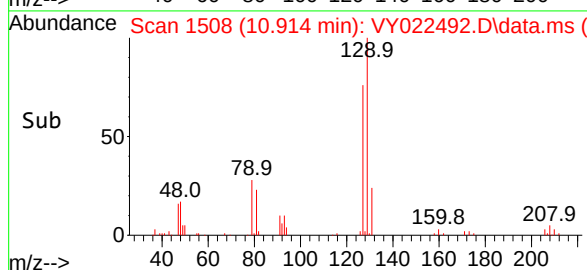
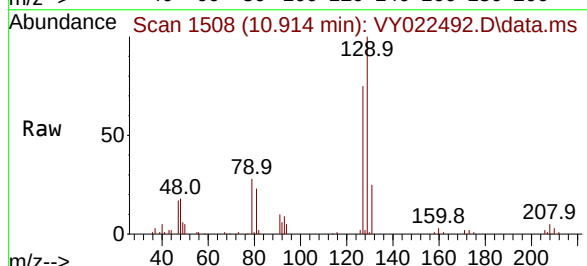
Manual Integrations
APPROVED

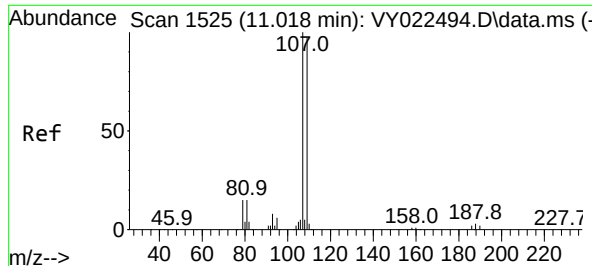
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





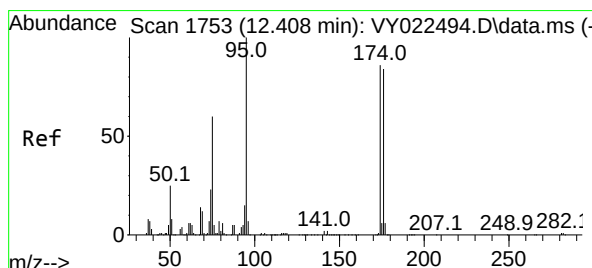
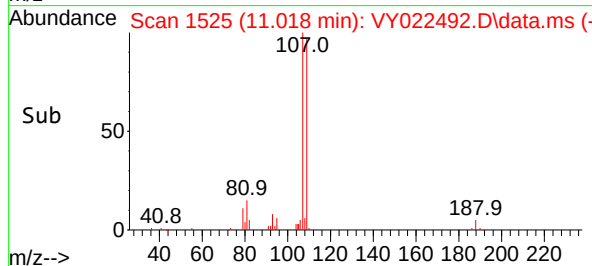
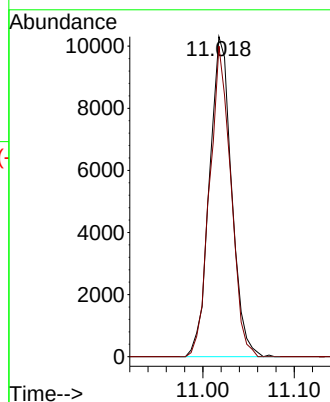
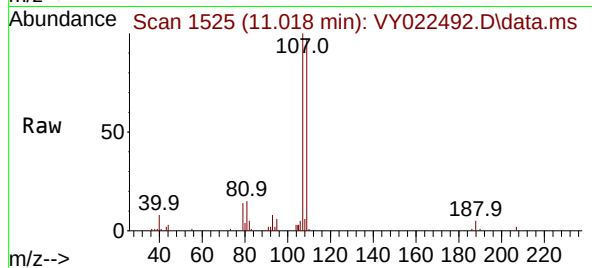
#61
1,2-Dibromoethane
Concen: 10.847 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:107 Resp: 1730
Ion Ratio Lower Upper
107 100
109 93.0 77.7 116.5

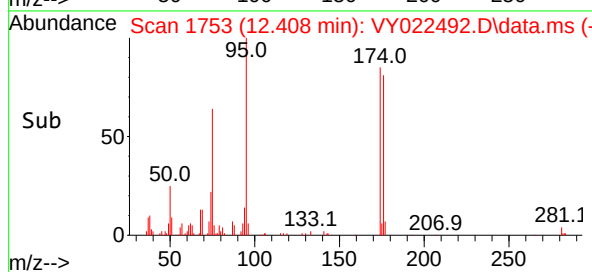
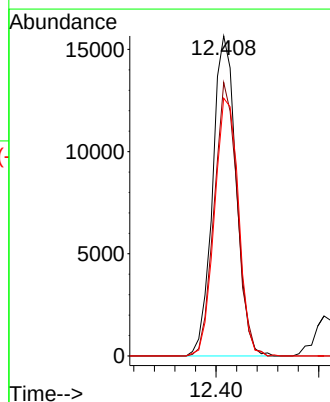
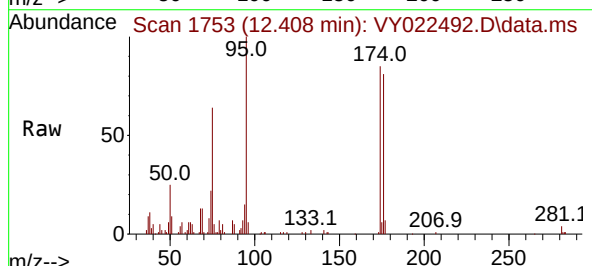
Manual Integrations
APPROVED

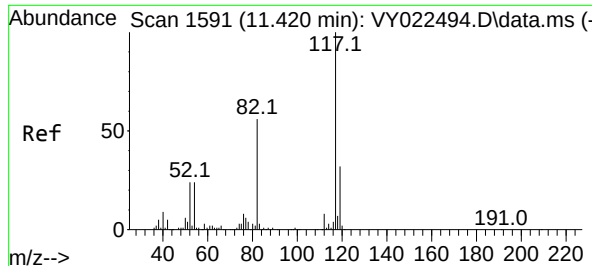
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

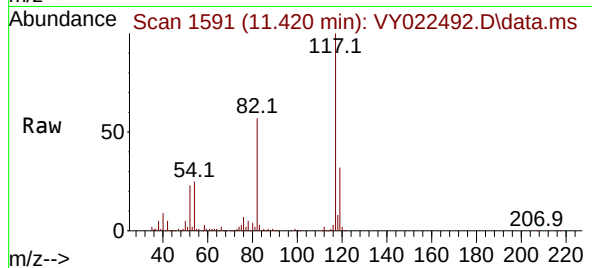
Tgt Ion: 95 Resp: 24870
Ion Ratio Lower Upper
95 100
174 83.4 0.0 170.0
176 82.2 0.0 166.2





#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

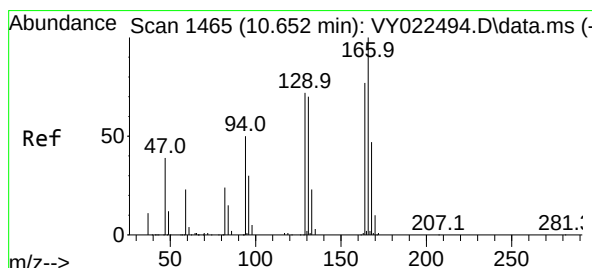
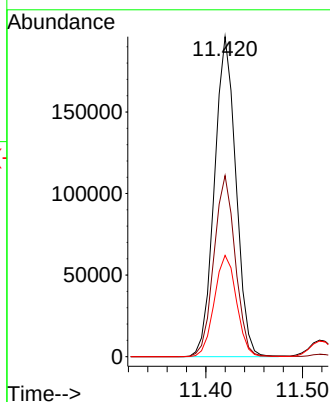
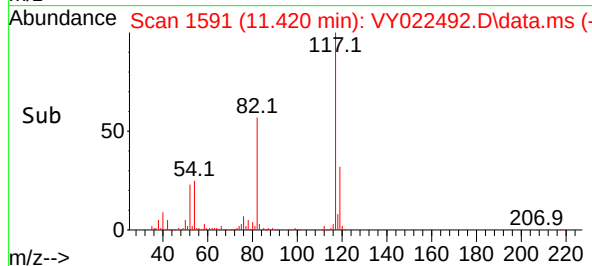
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



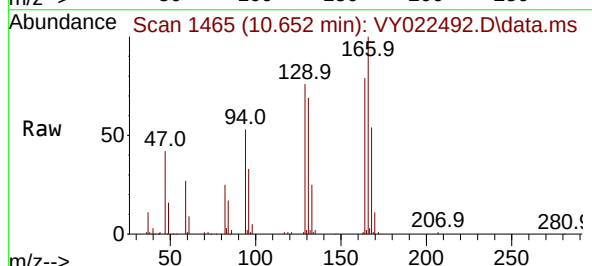
Tgt Ion:117 Resp: 302825
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 31.7 25.4 38.0

Manual Integrations
APPROVED

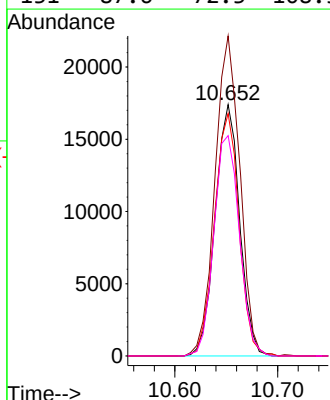
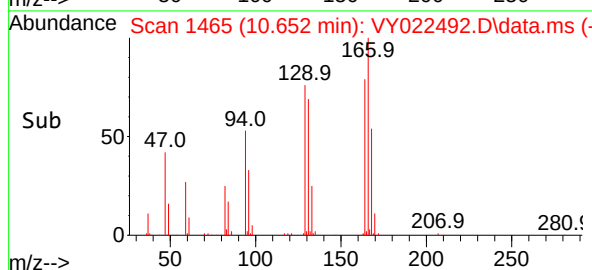
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

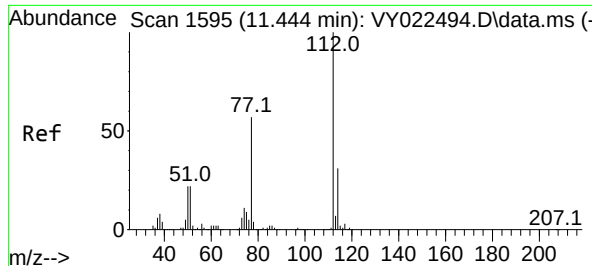


#64
Tetrachloroethene
Concen: 11.144 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



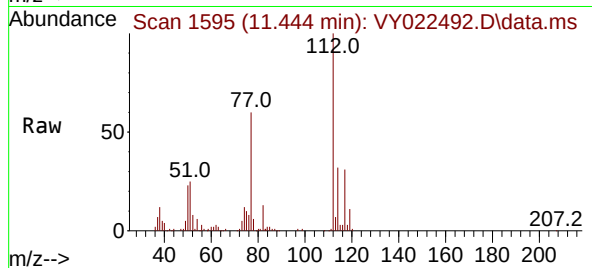
Tgt Ion:164 Resp: 28680
Ion Ratio Lower Upper
164 100
166 127.3 104.0 156.0
129 96.5 74.5 111.7
131 87.6 72.3 108.5





#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

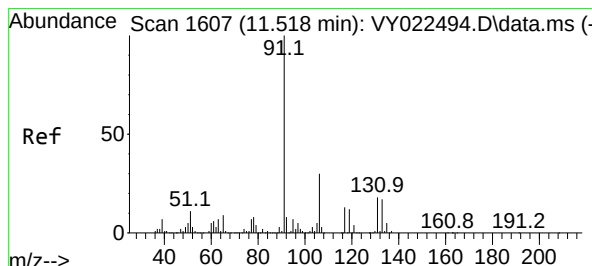
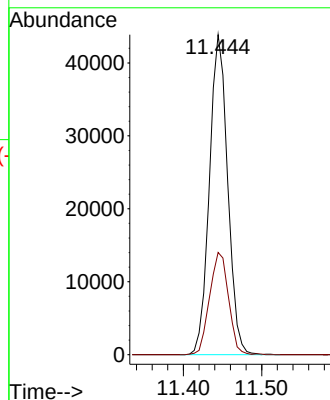
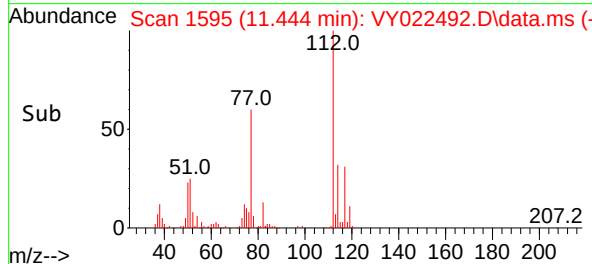
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:112 Resp: 70849
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6

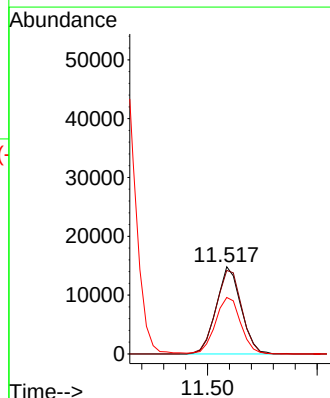
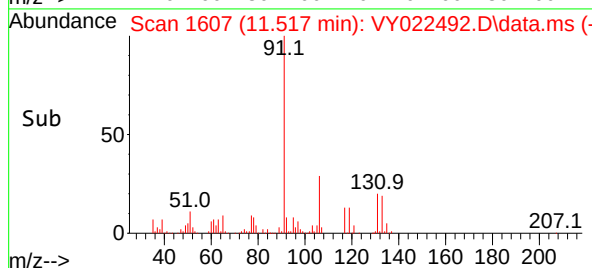
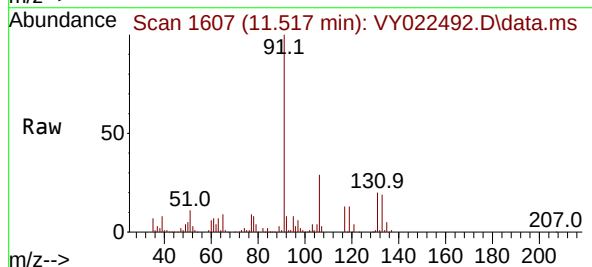
Manual Integrations
APPROVED

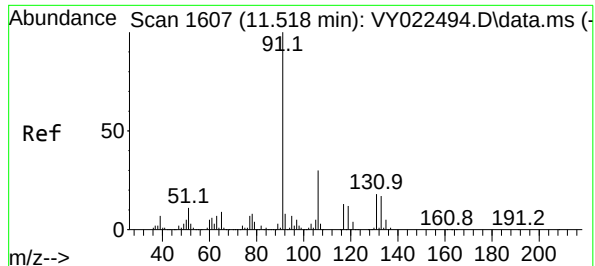
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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 :

VSTDICC010

Tgt Ion: 91 Resp: 126550

Ion Ratio Lower Upper

91 100

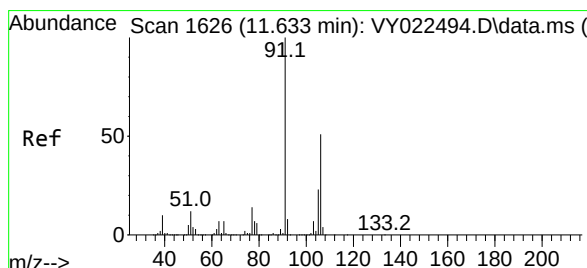
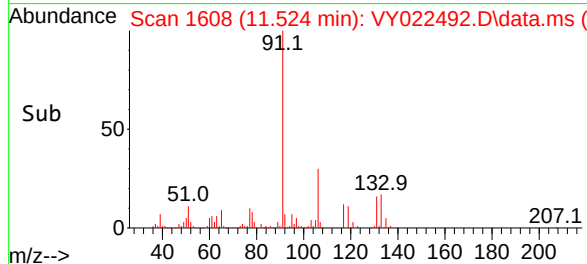
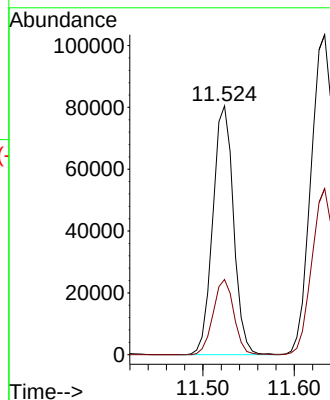
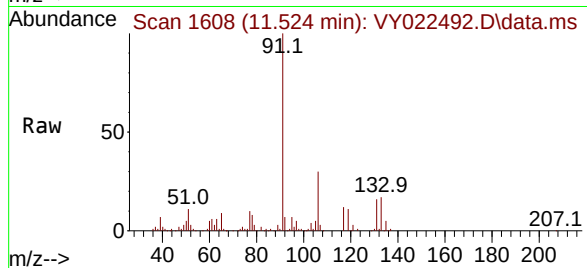
106 30.3 24.2 36.4

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

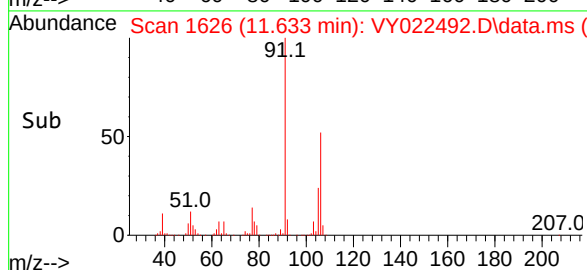
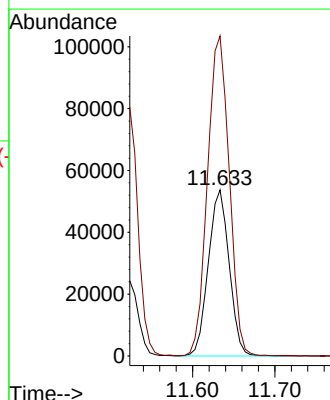
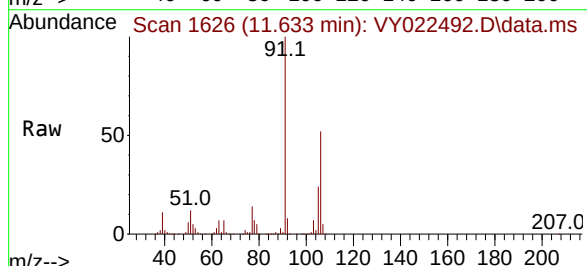
Acq: 02 Jun 2025 12:09

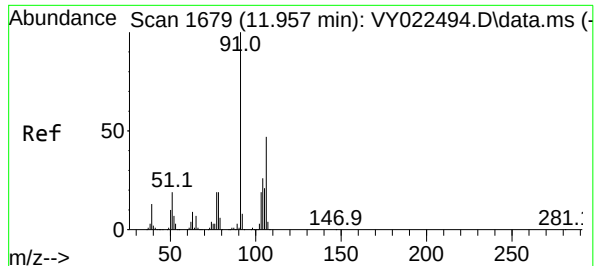
Tgt Ion:106 Resp: 94535

Ion Ratio Lower Upper

106 100

91 200.7 159.4 239.0





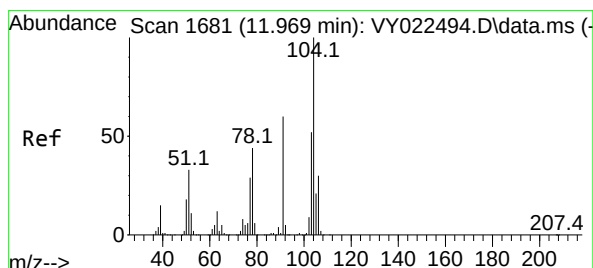
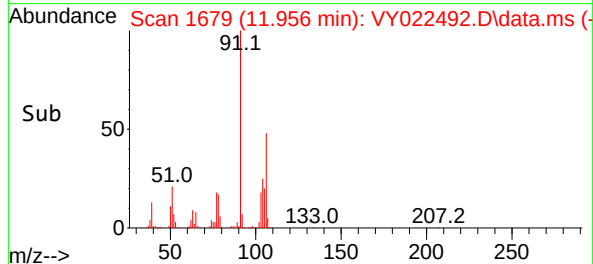
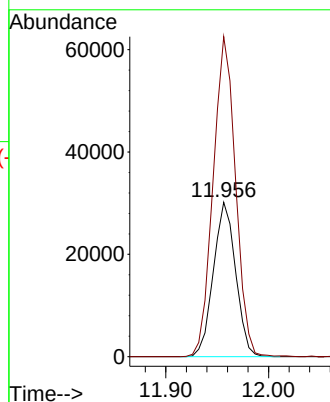
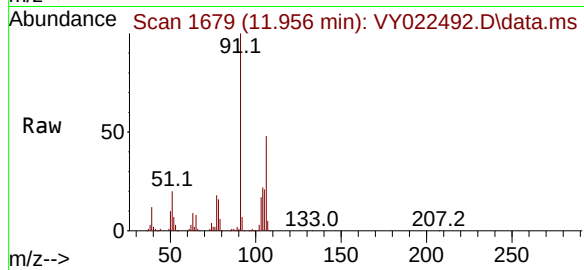
#69
o-Xylene
Concen: 10.476 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 45374
Ion Ratio Lower Upper
106 100
91 209.3 105.8 317.3

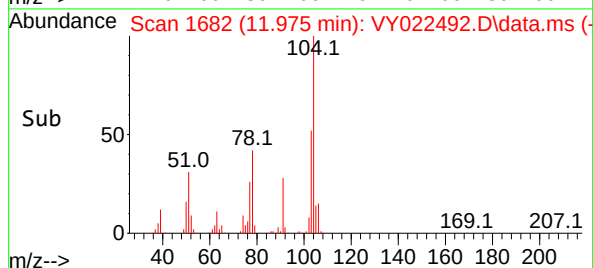
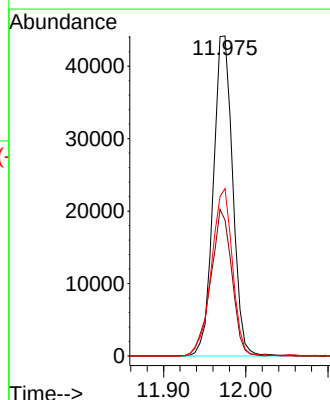
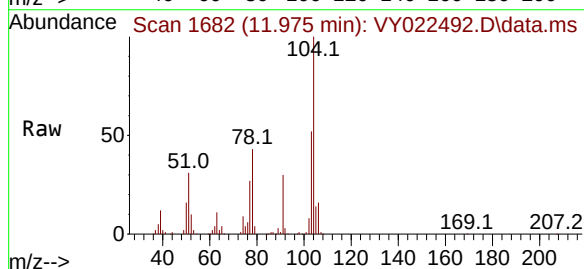
Manual Integrations
APPROVED

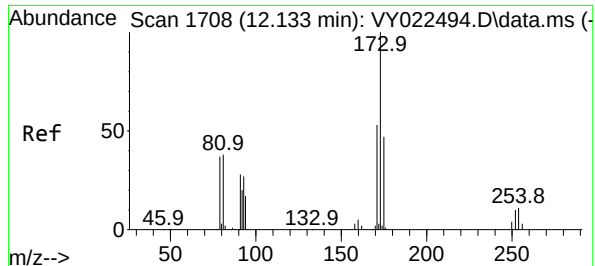
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

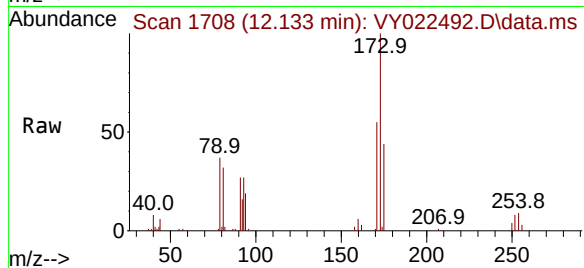
Tgt Ion:104 Resp: 72373
Ion Ratio Lower Upper
104 100
78 49.8 39.5 59.3
103 56.9 44.1 66.1





#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

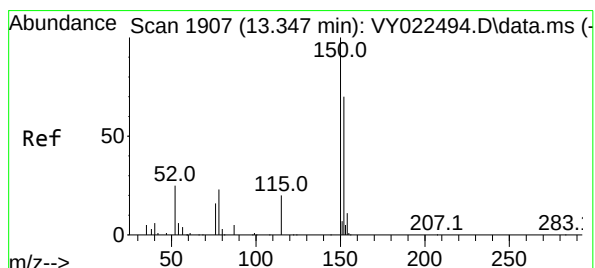
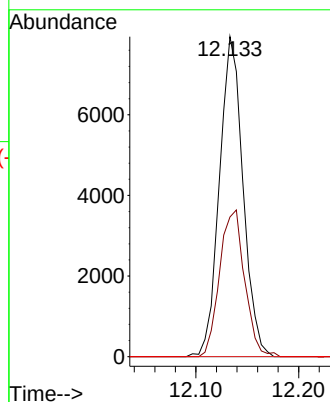
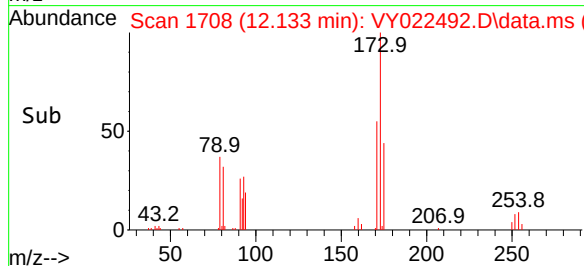
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



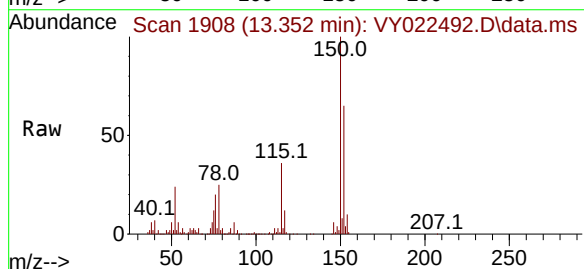
Tgt Ion:173 Resp: 1263
Ion Ratio Lower Upper
173 100
175 48.6 23.8 71.5
254 0.0 0.0 0.0

Manual Integrations
APPROVED

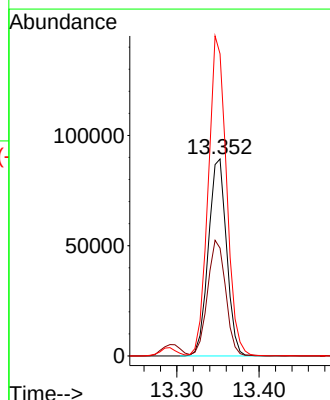
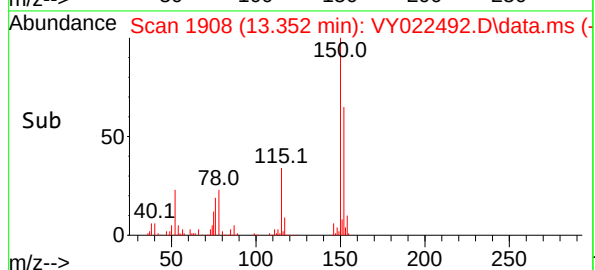
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

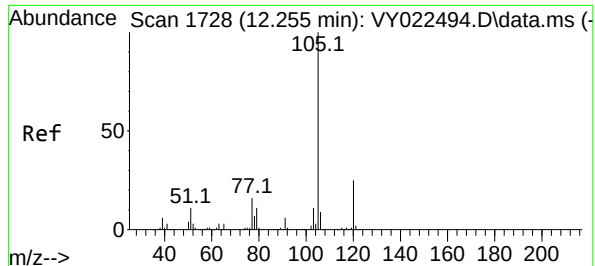


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



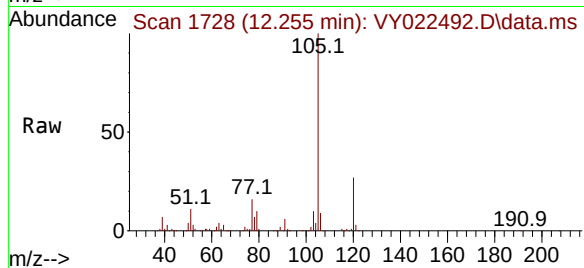
Tgt Ion:152 Resp: 137338
Ion Ratio Lower Upper
152 100
115 58.4 28.9 86.7
150 162.7 0.0 349.6





#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

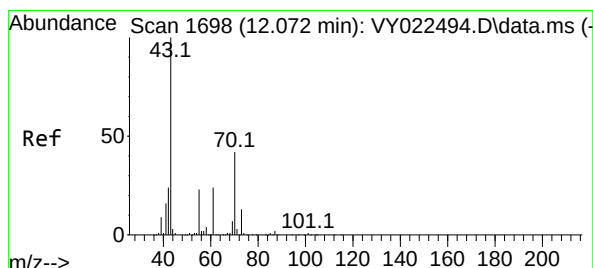
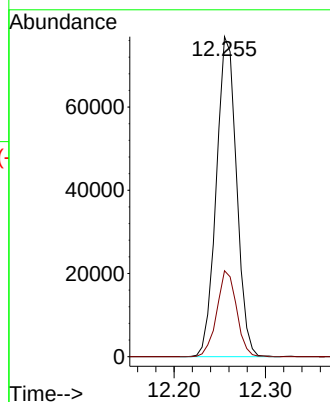
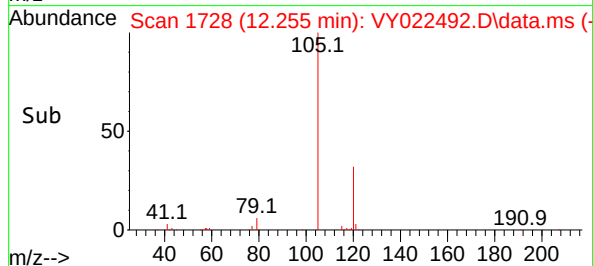
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 11834
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9

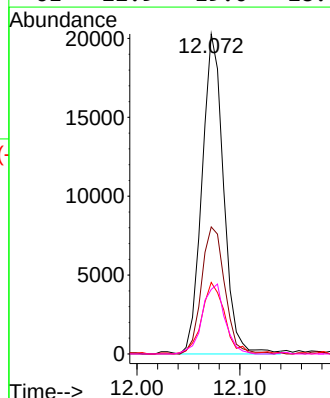
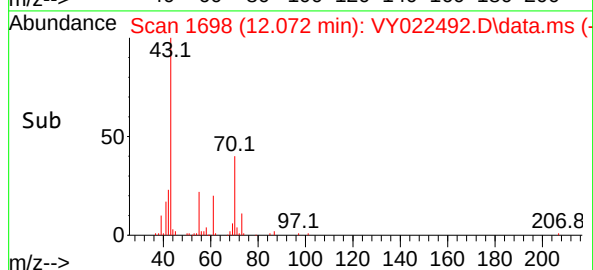
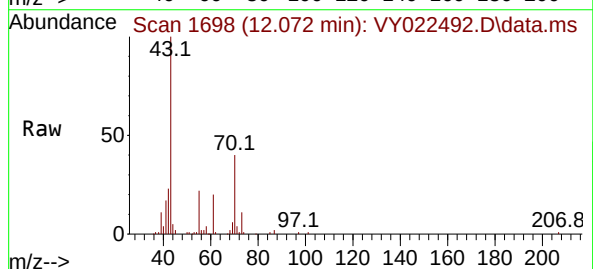
Manual Integrations
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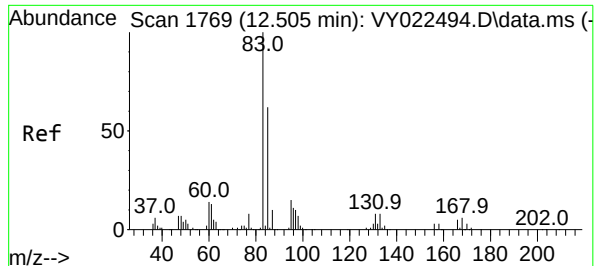
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

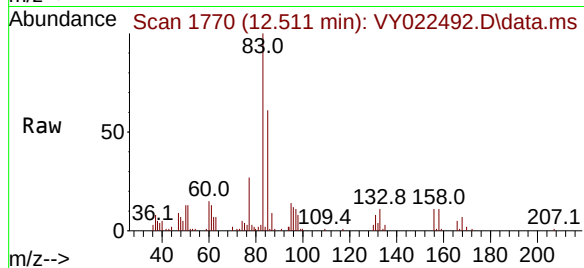
Tgt Ion: 43 Resp: 29609
Ion Ratio Lower Upper
43 100
70 42.8 34.2 51.2
55 23.8 18.2 27.4
61 22.9 19.0 28.6





#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

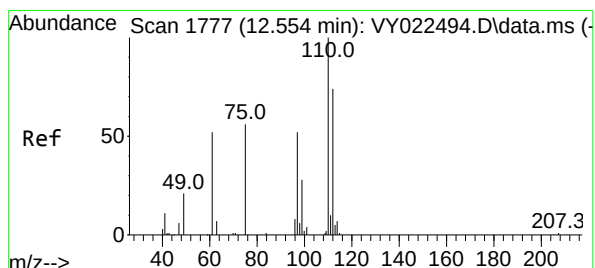
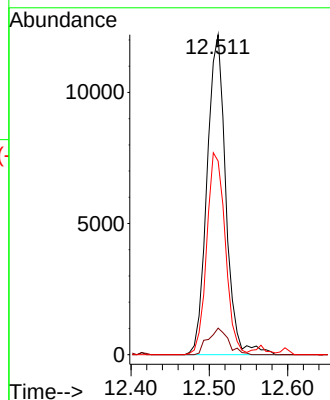
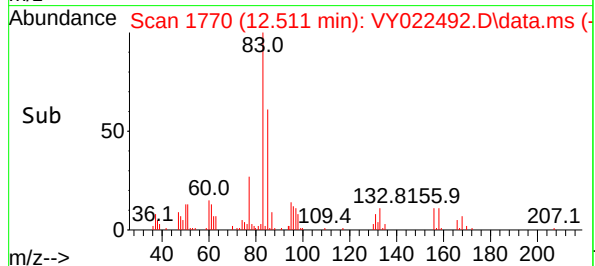
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 83 Resp: 20264
Ion Ratio Lower Upper
83 100
131 9.0 4.9 14.7
85 62.2 32.6 97.8

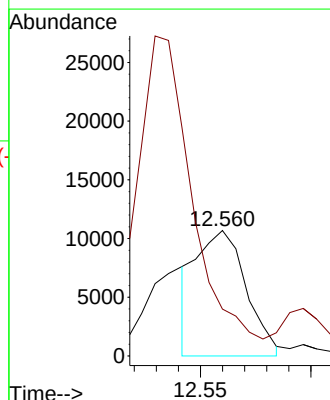
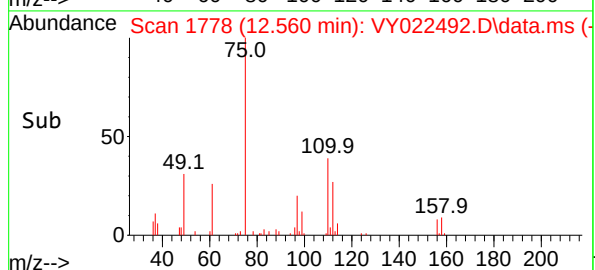
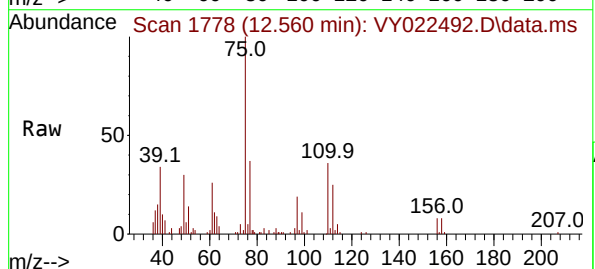
Manual Integrations
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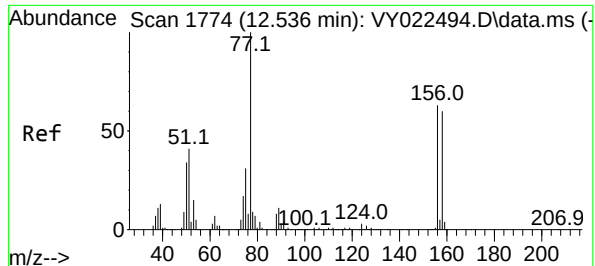
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

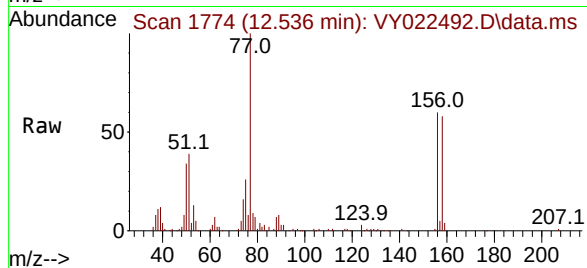
Tgt Ion: 75 Resp: 16751
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#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

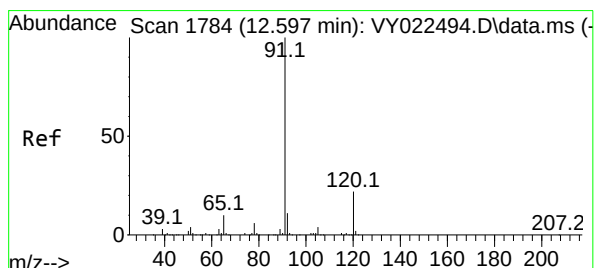
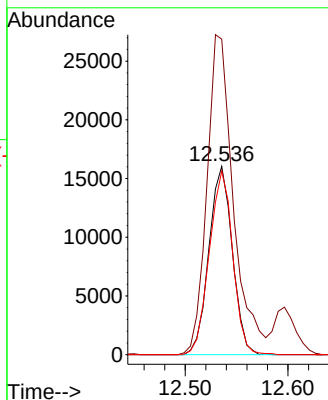
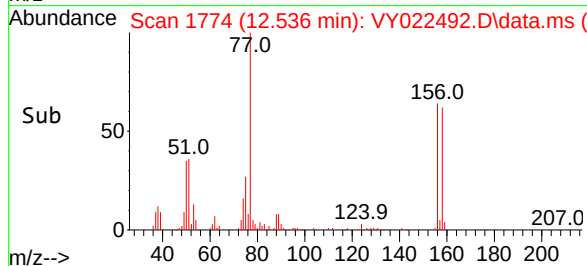
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



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

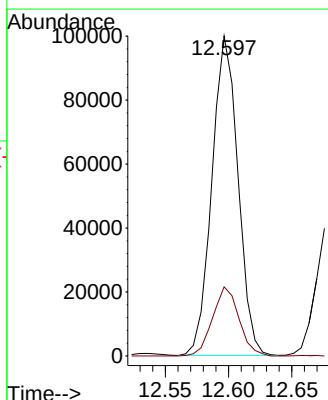
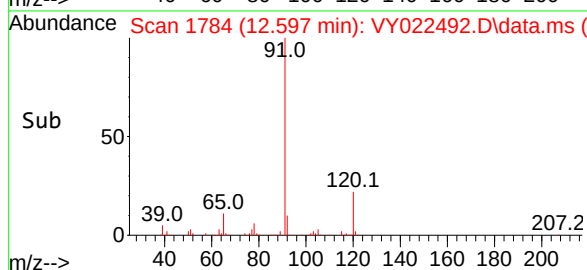
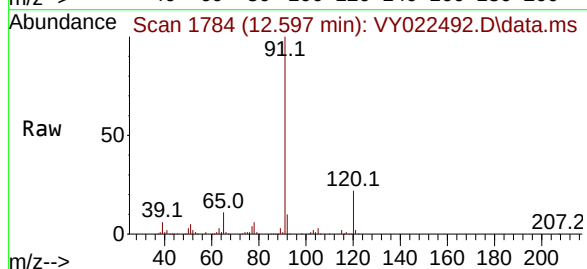
Manual Integrations
APPROVED

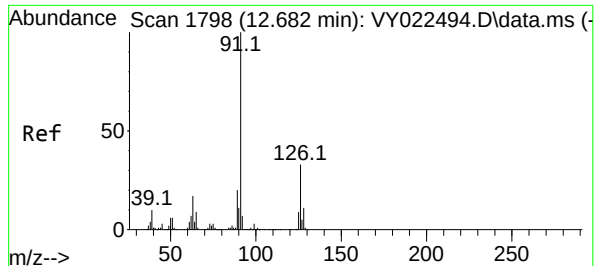
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

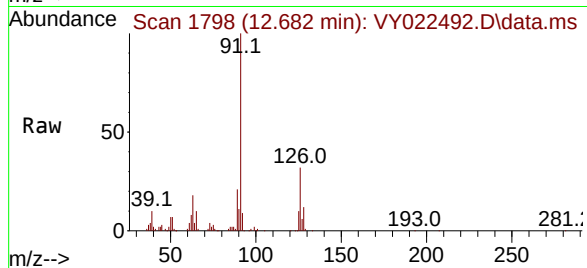
Tgt Ion: 91 Resp: 143414
Ion Ratio Lower Upper
91 100
120 21.8 10.8 32.4





#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

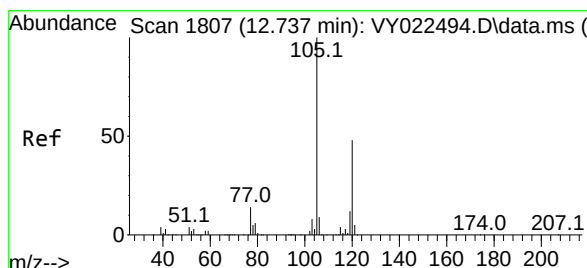
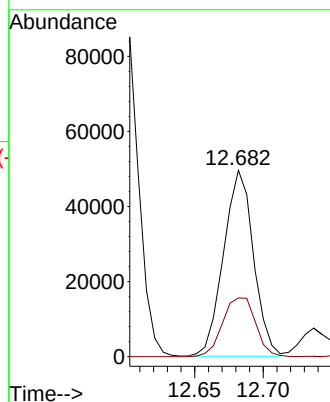
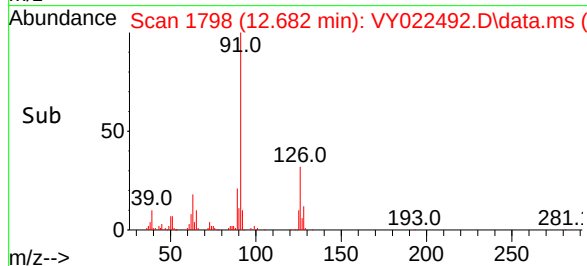
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



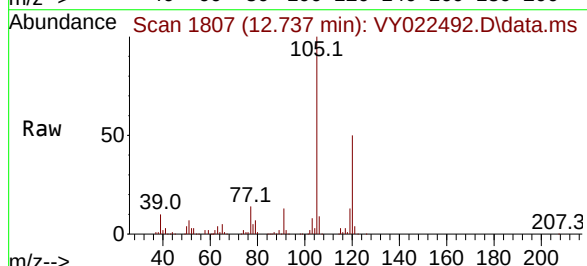
Tgt Ion: 91 Resp: 75329
Ion Ratio Lower Upper
91 100
126 35.0 17.0 51.0

Manual Integrations
APPROVED

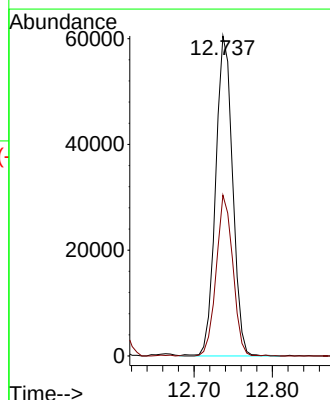
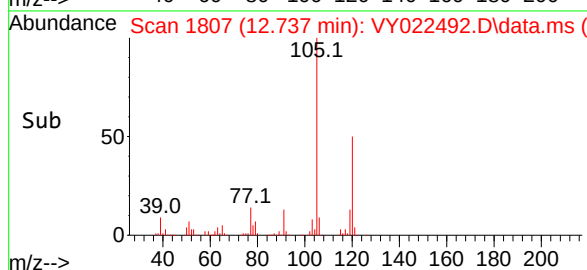
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

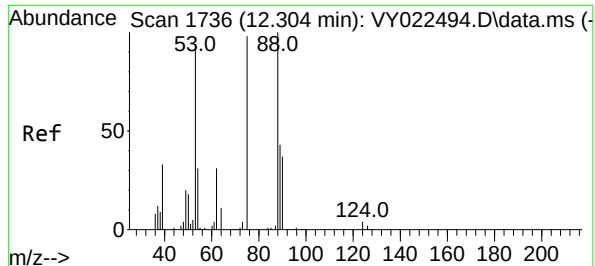


#80
1,3,5-Trimethylbenzene
Concen: 10.532 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09



Tgt Ion:105 Resp: 91121
Ion Ratio Lower Upper
105 100
120 49.2 24.1 72.4





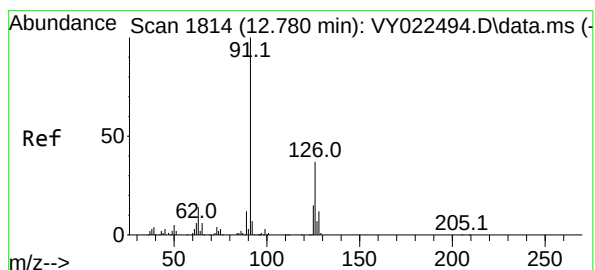
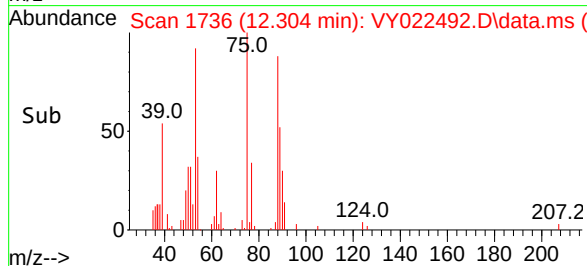
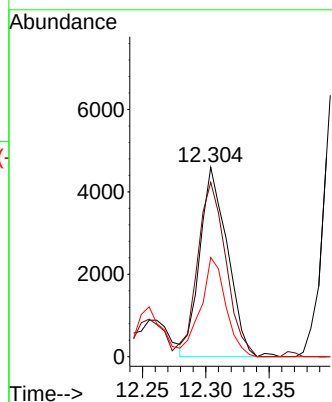
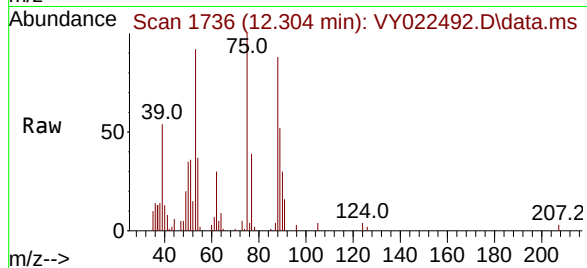
#81
trans-1,4-Dichloro-2-butene
Concen: 11.084 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

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

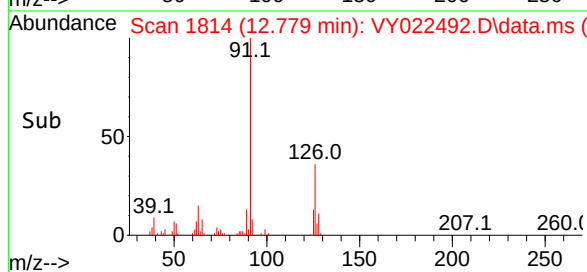
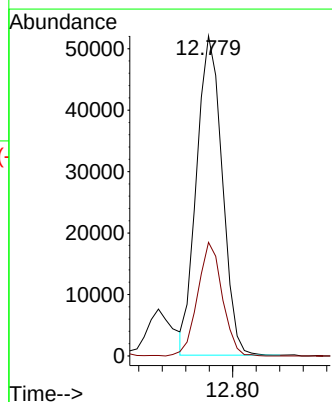
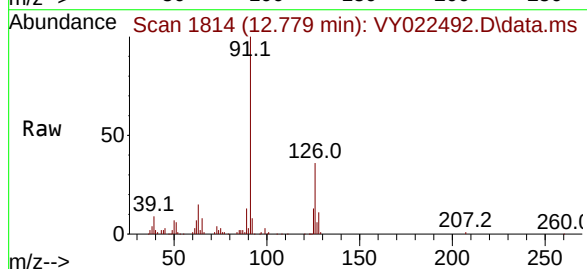
Manual Integrations
APPROVED

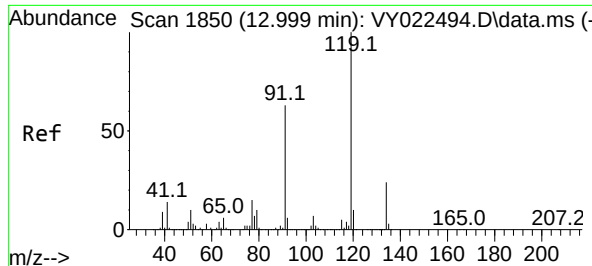
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

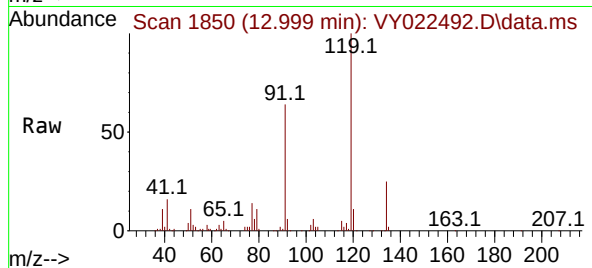
Tgt Ion: 91 Resp: 78689
Ion Ratio Lower Upper
91 100
126 34.2 17.0 50.9





#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

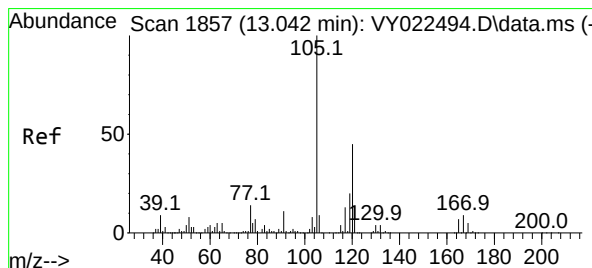
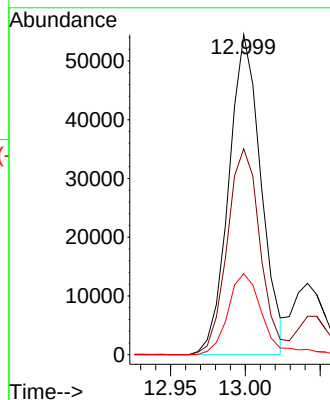
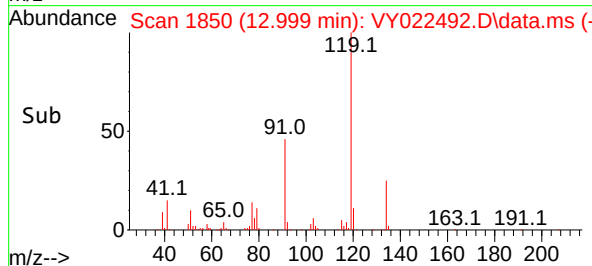
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:119 Resp: 8182
Ion Ratio Lower Upper
119 100
91 66.3 32.1 96.3
134 27.2 13.0 38.9

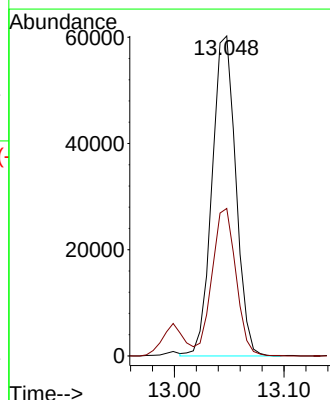
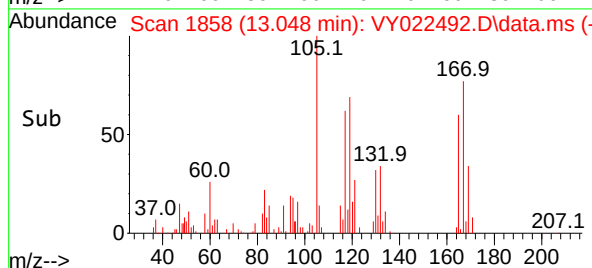
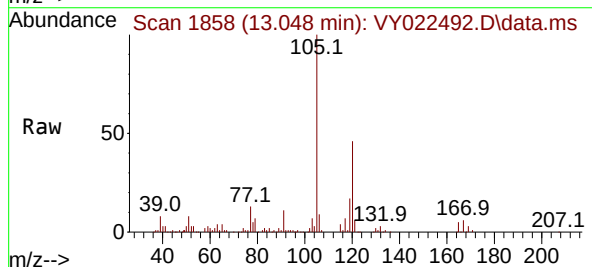
Manual Integrations
APPROVED

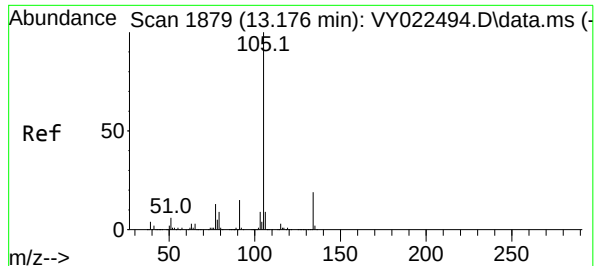
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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:105 Resp: 90848
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

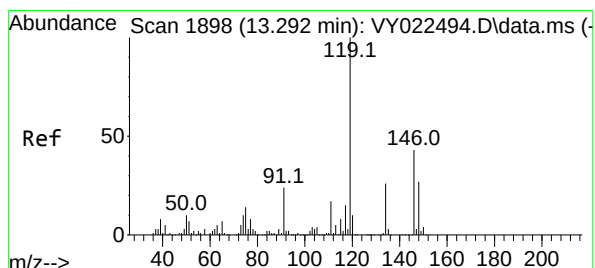
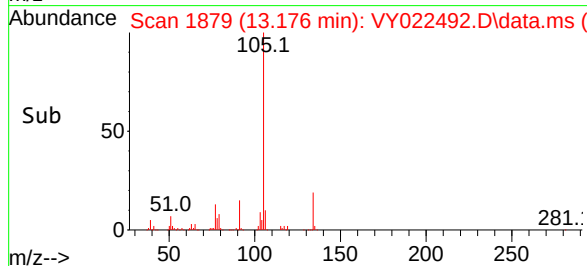
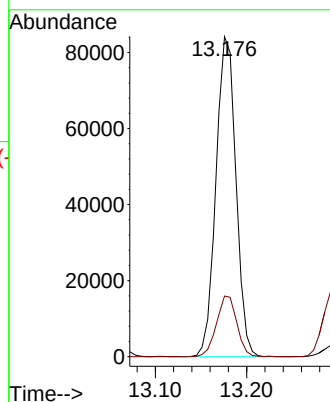
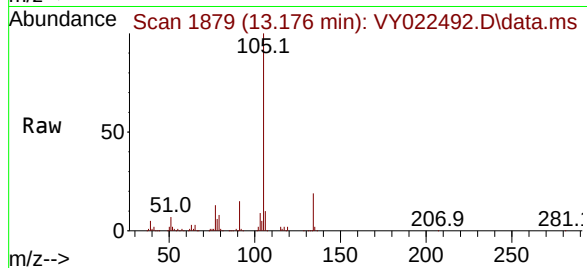
134 19.3 9.7 28.9

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

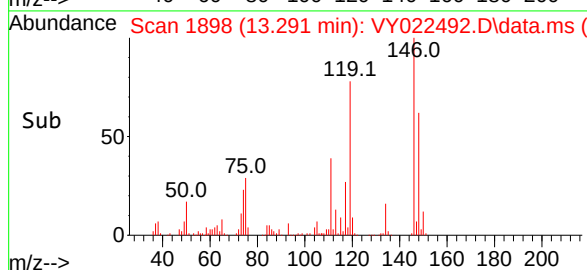
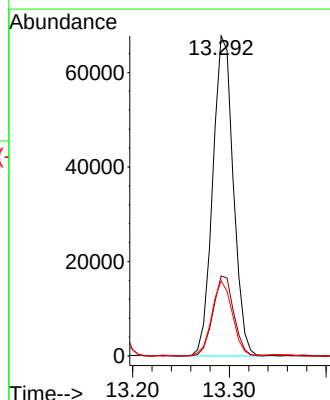
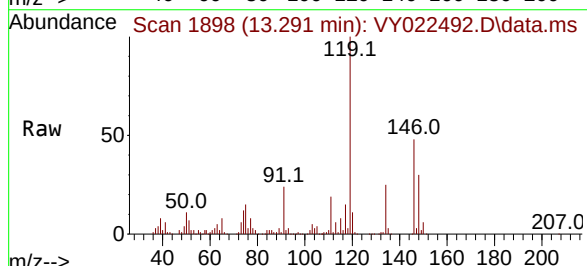
Tgt Ion:119 Resp: 99940

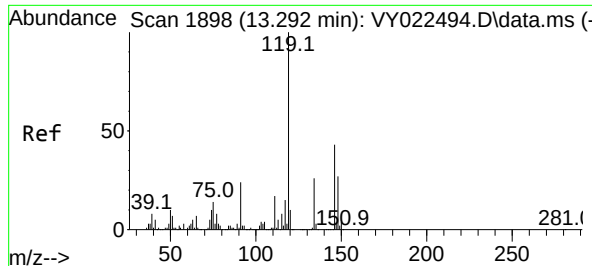
Ion Ratio Lower Upper

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 :

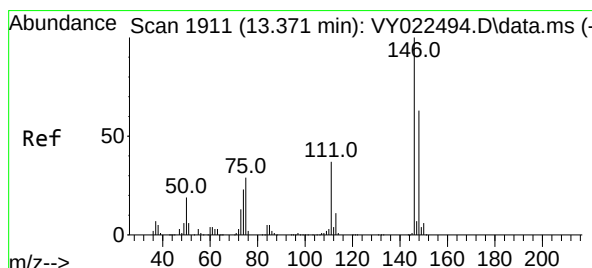
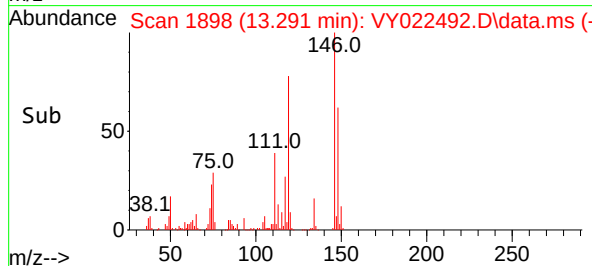
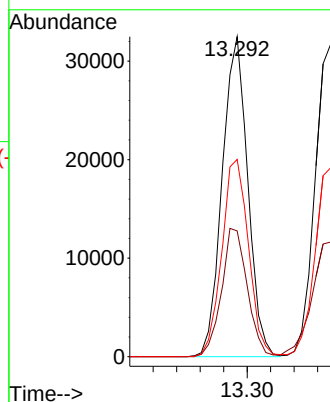
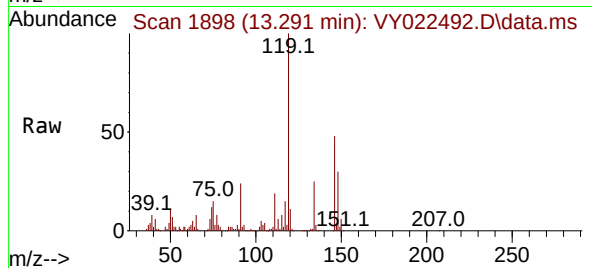
VSTDIC010

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

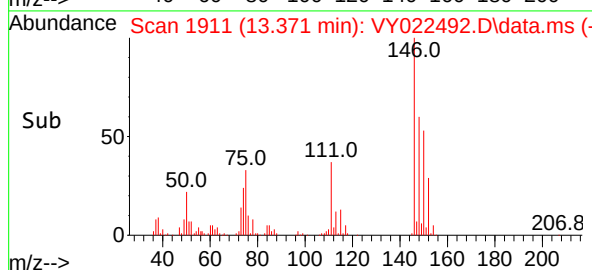
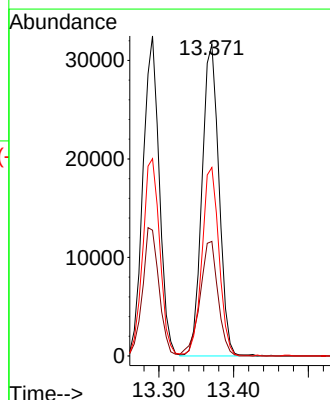
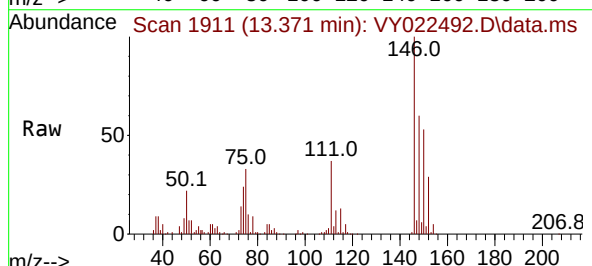
RT: 13.371 min Scan# 1911

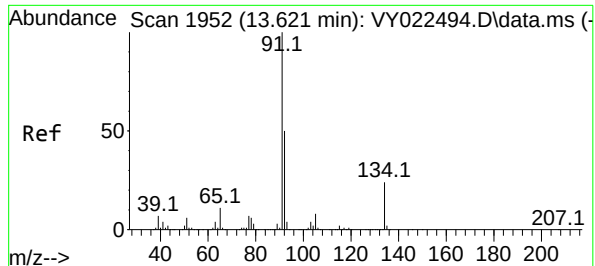
Delta R.T. -0.000 min

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 :

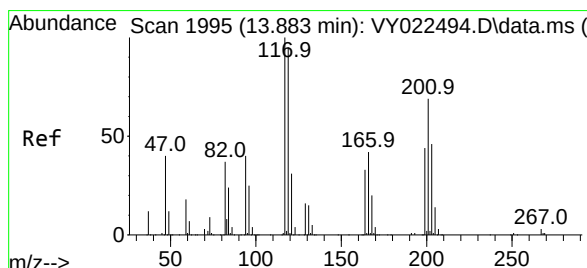
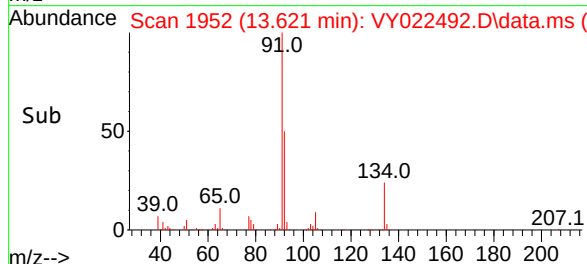
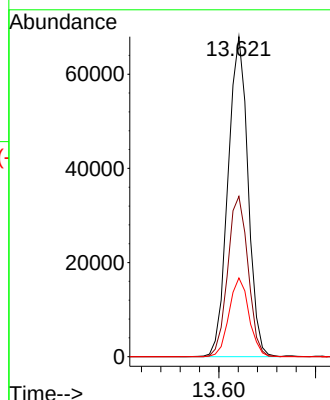
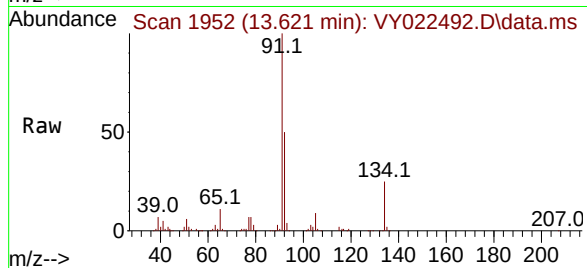
VSTDIC010

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

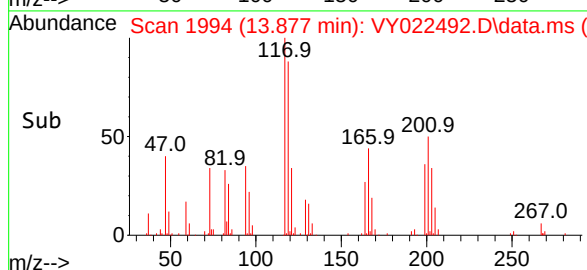
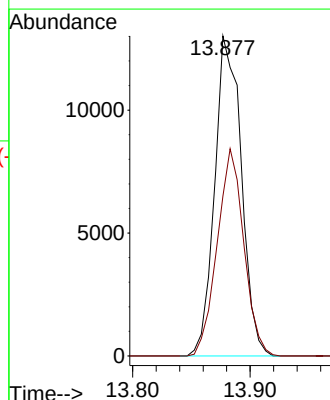
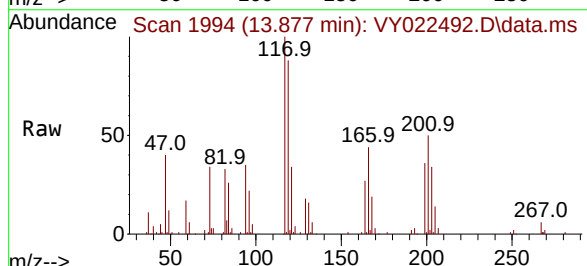
RT: 13.877 min Scan# 1994

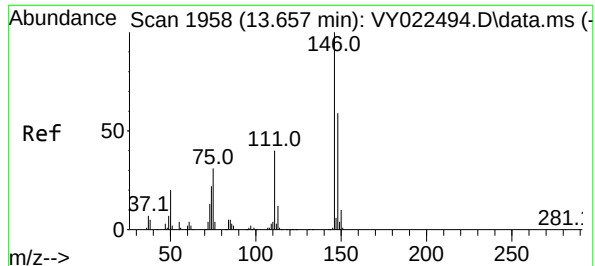
Delta R.T. -0.006 min

Lab File: VY022492.D

Acq: 02 Jun 2025 12:09

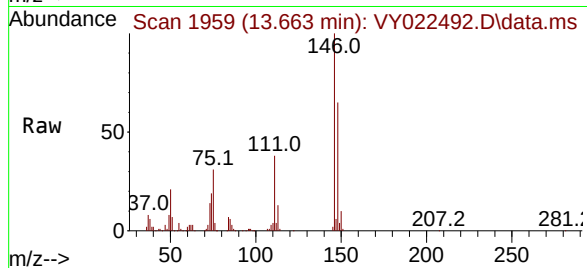
Tgt Ion:	117	Resp:	20466
Ion	Ratio	Lower	Upper
117	100		
201	64.9	34.0	102.0





#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

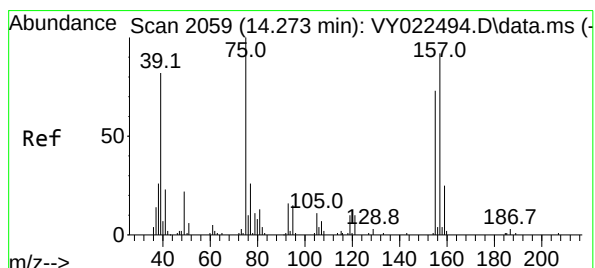
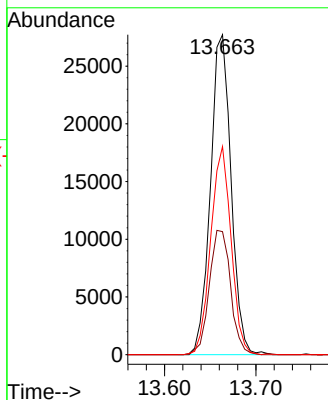
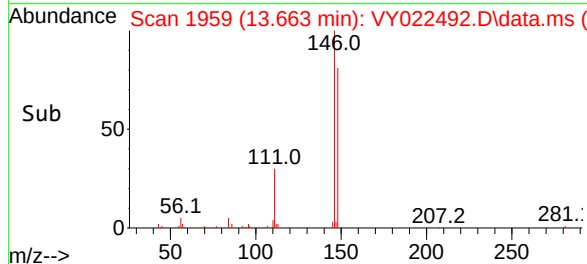
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



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

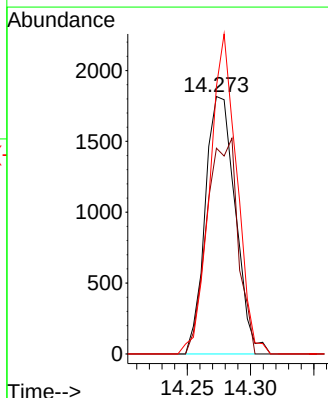
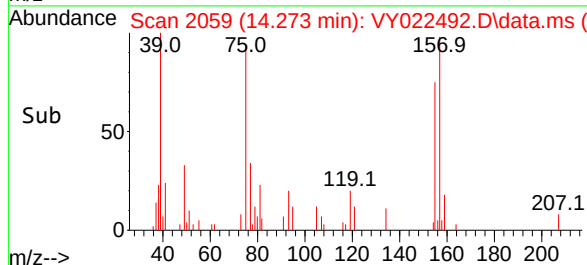
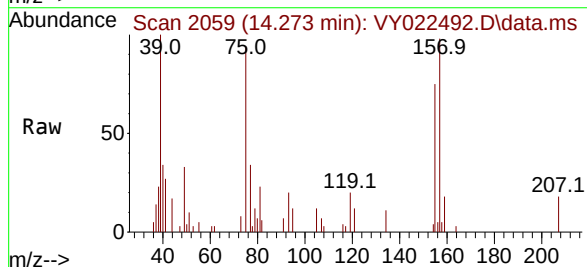
Manual Integrations
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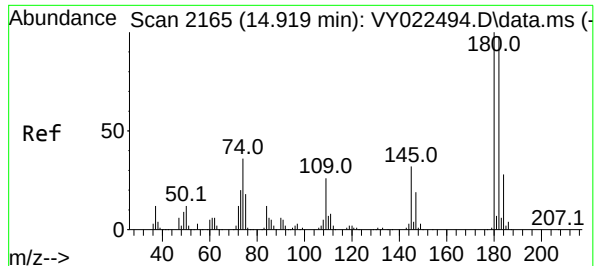
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 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

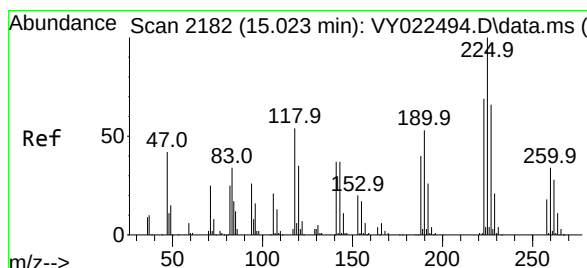
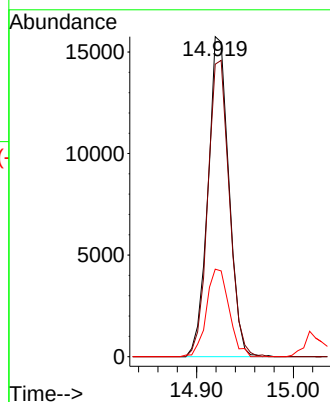
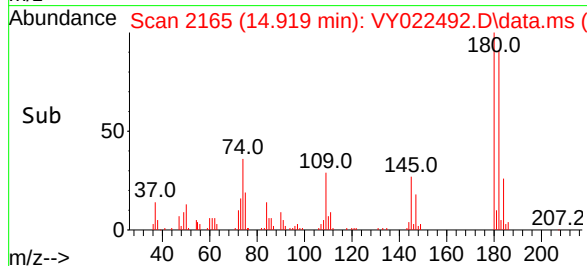
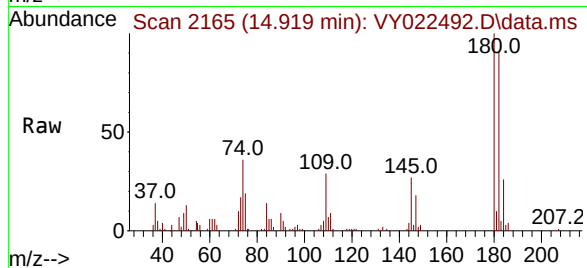
145 29.5 15.5 46.5

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

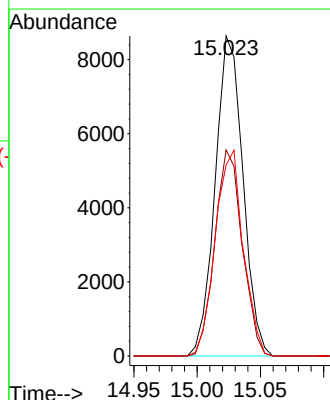
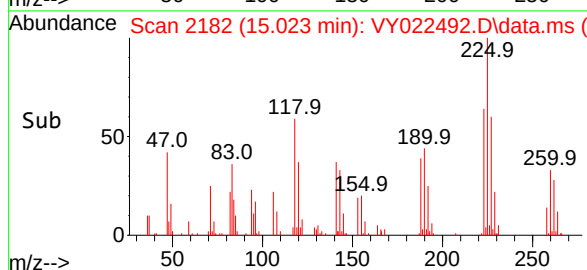
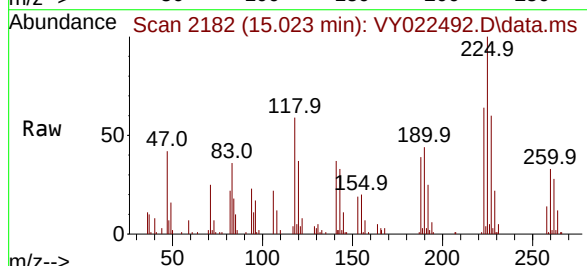
Tgt Ion:225 Resp: 13179

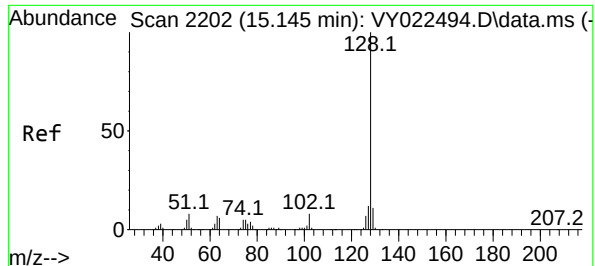
Ion Ratio Lower Upper

225 100

223 63.6 32.5 97.4

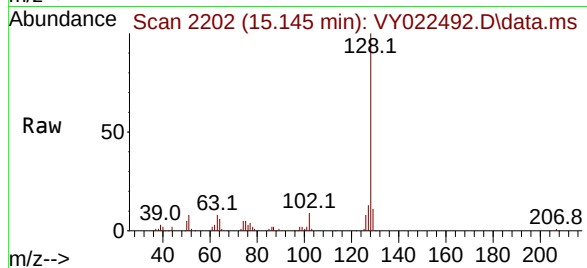
227 64.7 32.3 96.9





#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

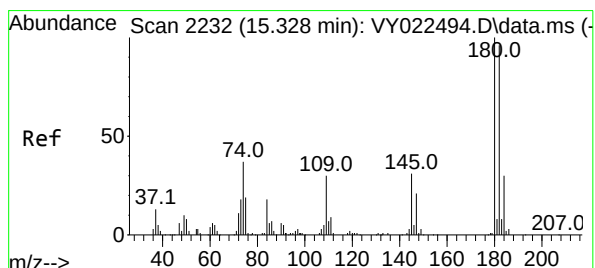
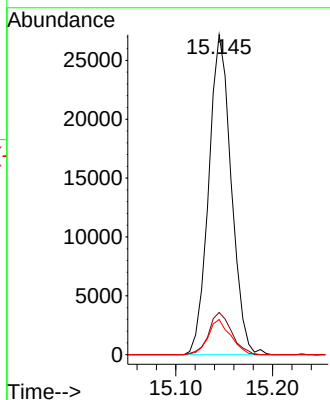
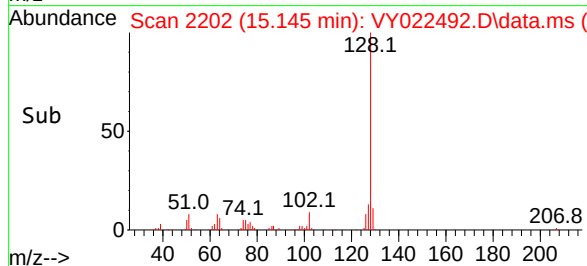
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



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

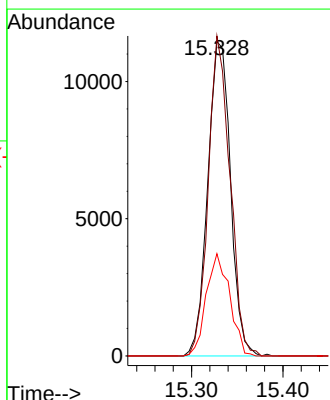
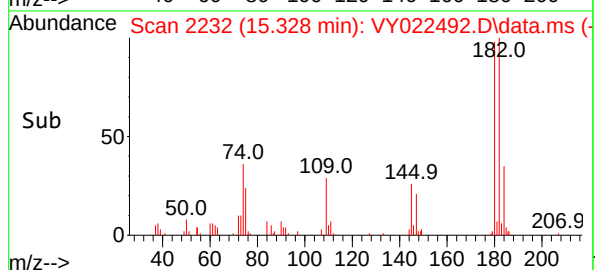
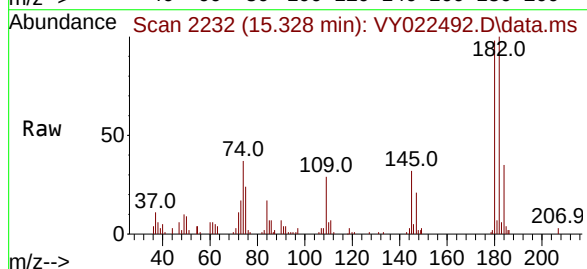
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

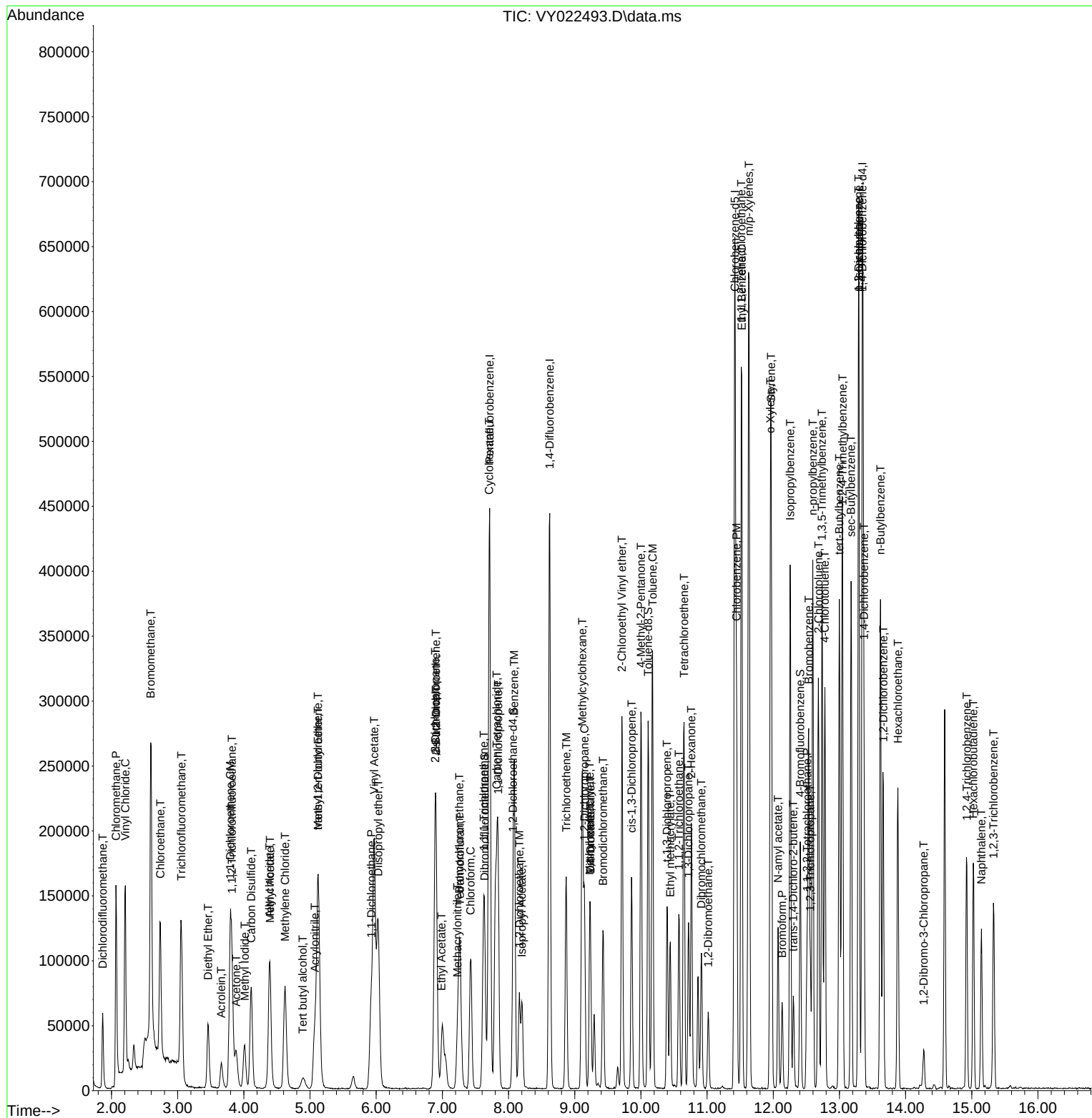
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Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

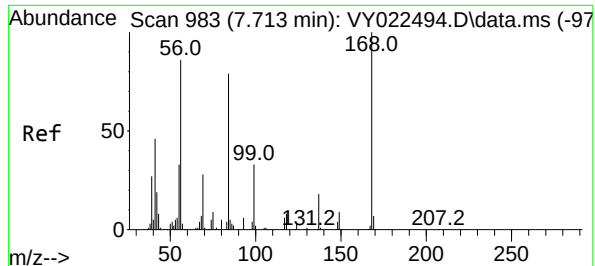
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

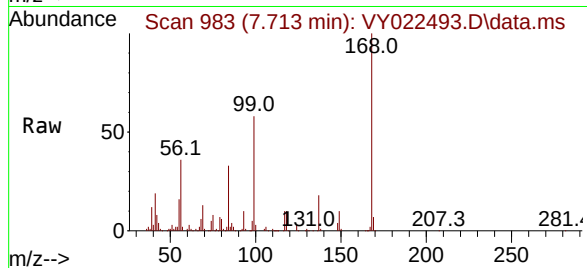
Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration





#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

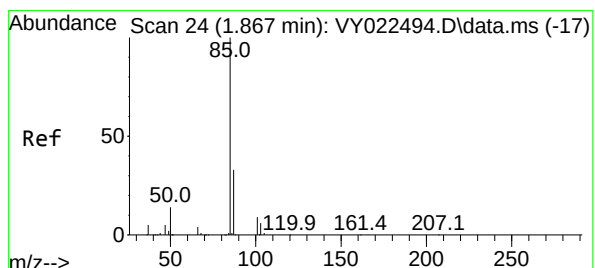
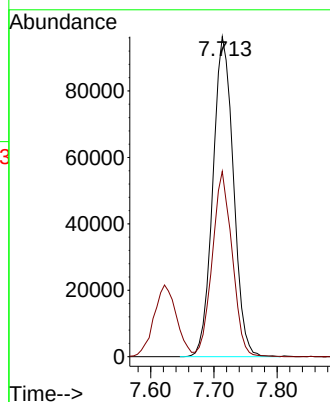
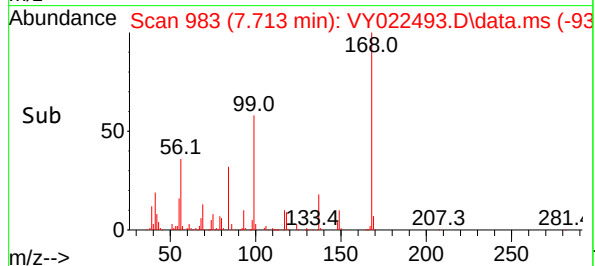
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 217359
Ion Ratio Lower Upper
168 100
99 57.8 44.3 66.5

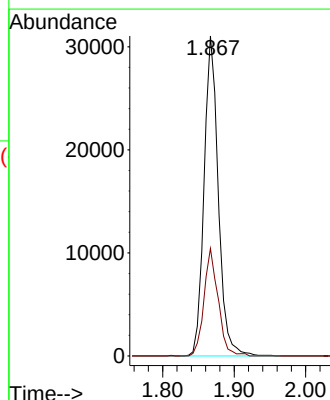
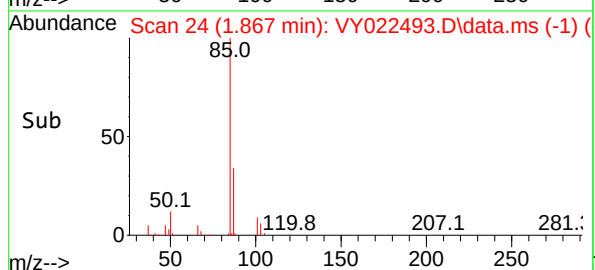
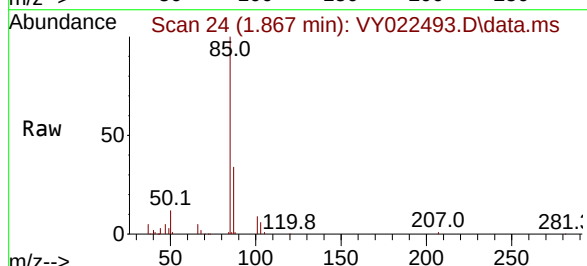
Manual Integrations
APPROVED

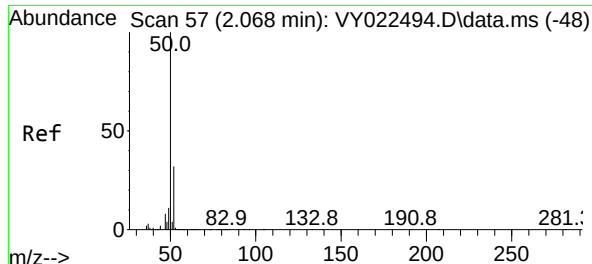
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

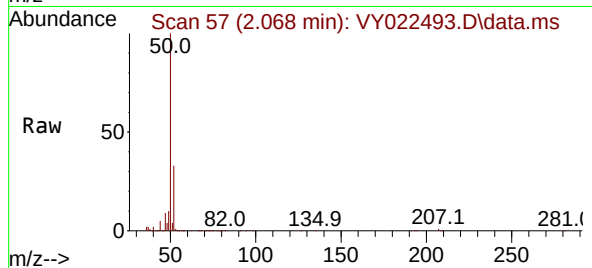
Tgt Ion: 85 Resp: 43056
Ion Ratio Lower Upper
85 100
87 33.6 16.7 50.0





#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

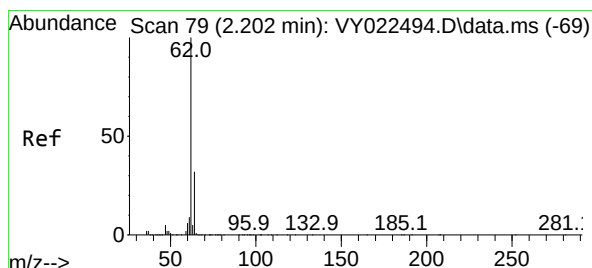
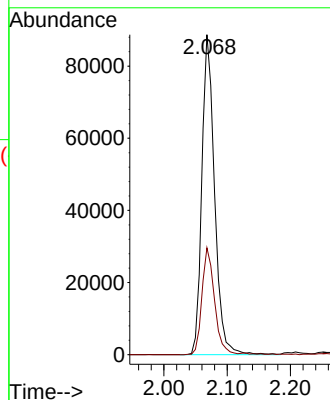
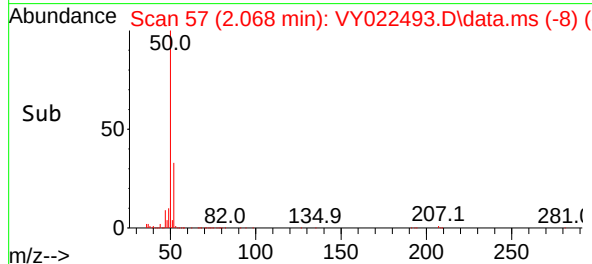
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 50 Resp: 12444
Ion Ratio Lower Upper
50 100
52 33.4 26.0 39.0

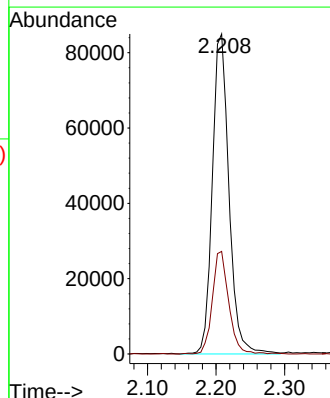
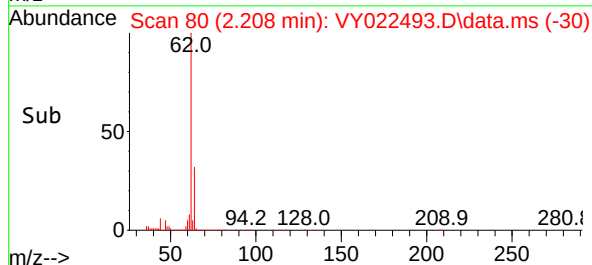
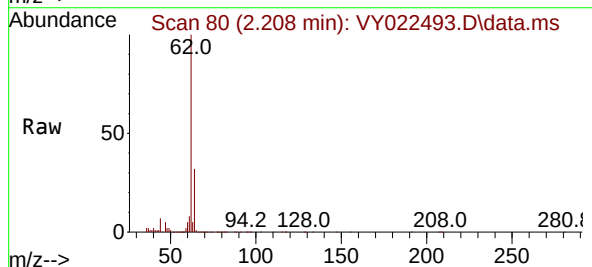
Manual Integrations
APPROVED

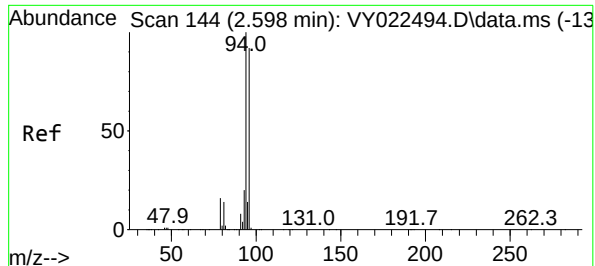
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

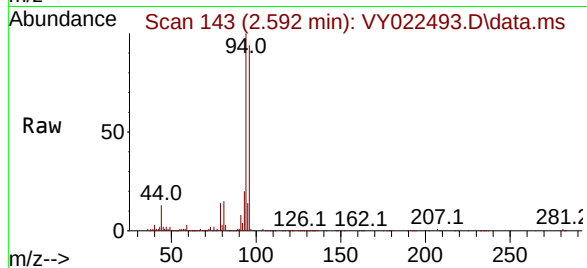
Tgt Ion: 62 Resp: 143182
Ion Ratio Lower Upper
62 100
64 32.0 25.3 37.9





#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

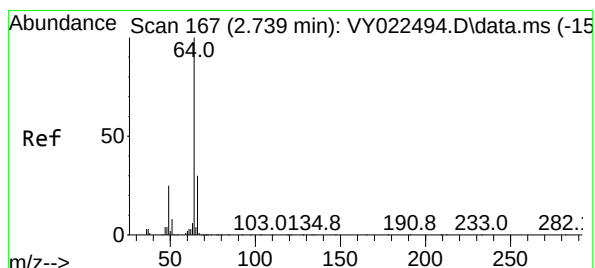
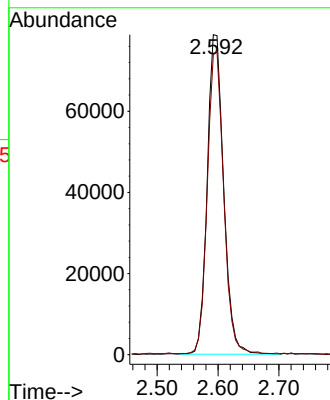
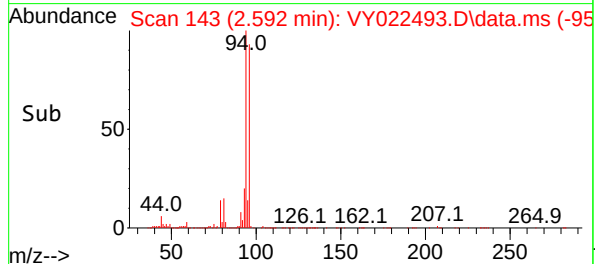
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 94 Resp: 14820
Ion Ratio Lower Upper
94 100
96 93.5 74.0 111.0

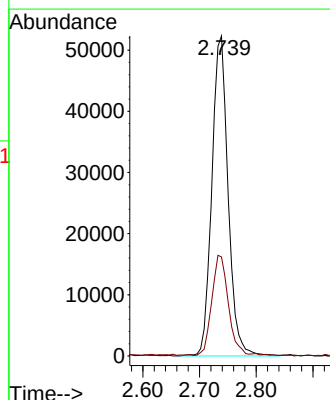
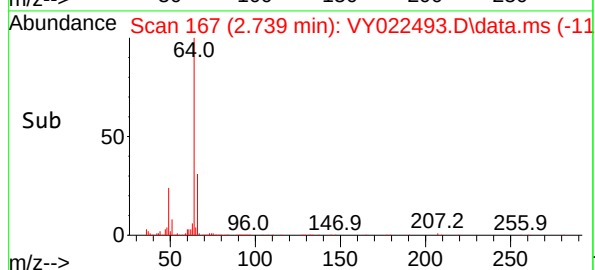
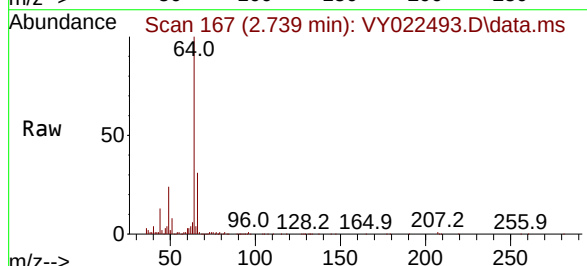
Manual Integrations
APPROVED

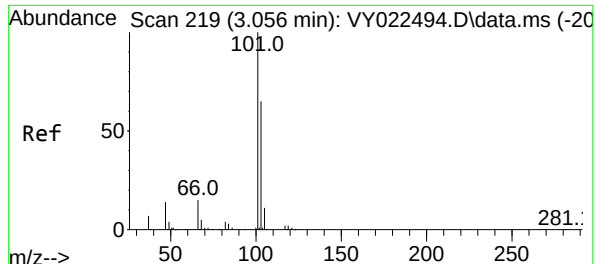
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#6
Chloroethane
Concen: 23.188 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

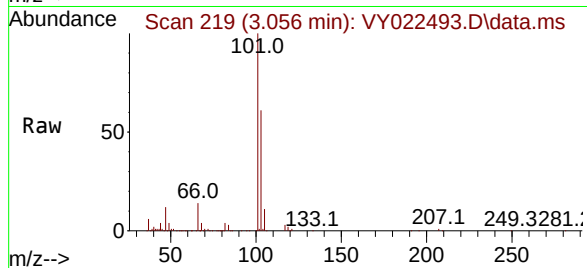
Tgt Ion: 64 Resp: 104116
Ion Ratio Lower Upper
64 100
66 30.8 23.8 35.6





#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

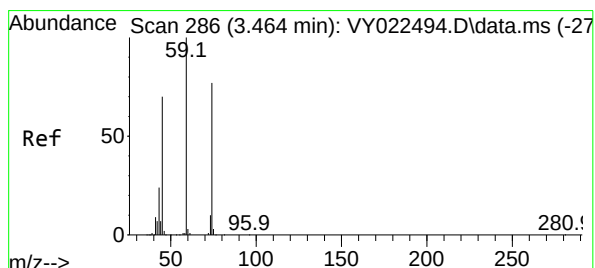
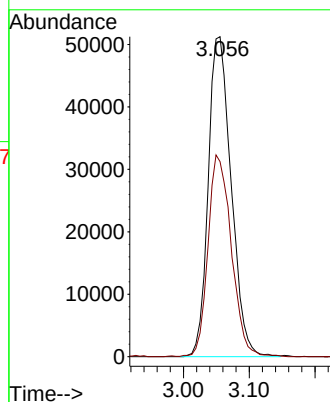
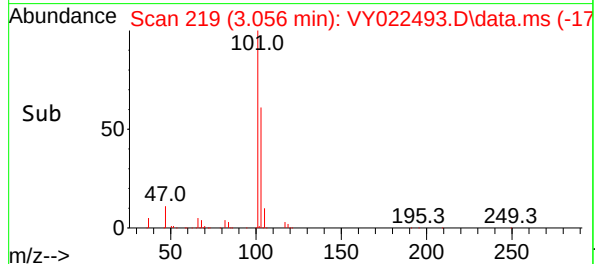
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



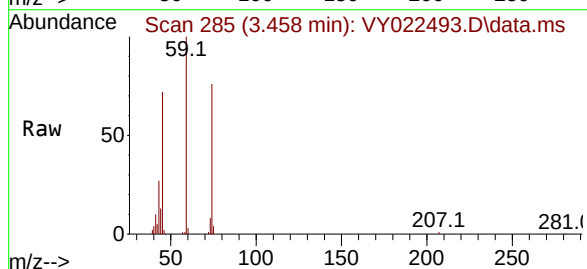
Tgt Ion:101 Resp: 124370
Ion Ratio Lower Upper
101 100
103 60.8 52.2 78.2

Manual Integrations
APPROVED

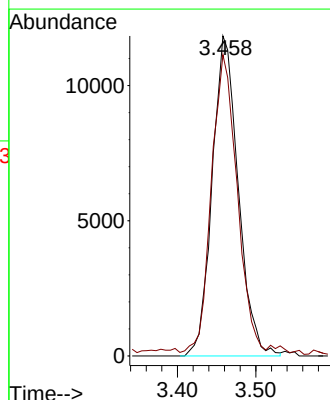
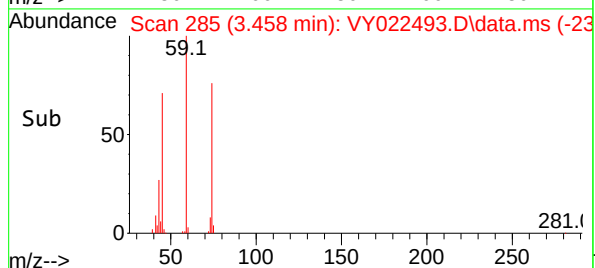
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

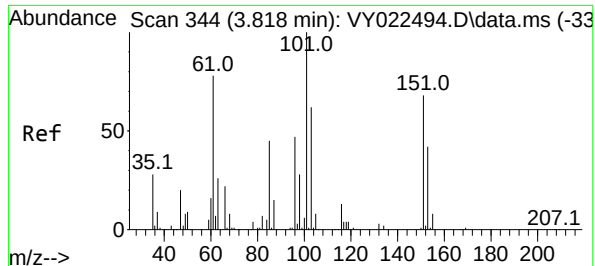


#8
Diethyl Ether
Concen: 22.230 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32



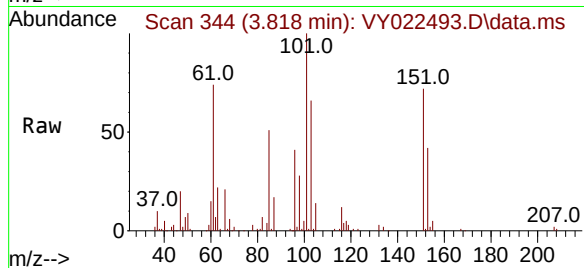
Tgt Ion: 74 Resp: 27359
Ion Ratio Lower Upper
74 100
45 91.2 45.9 137.6





#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

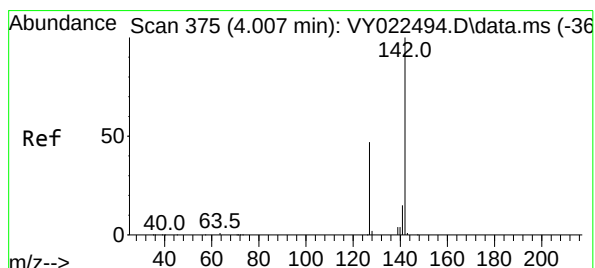
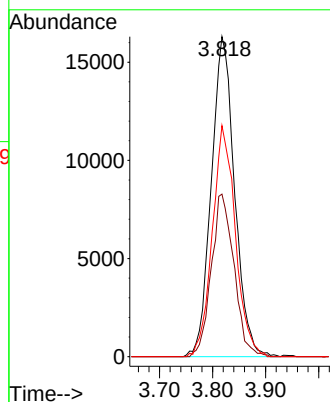
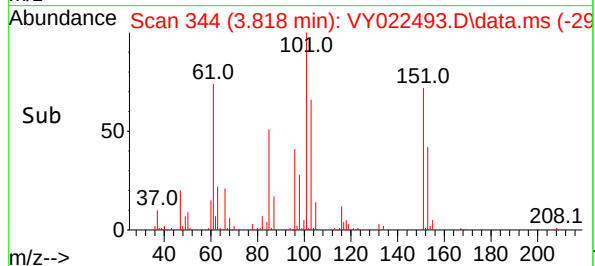
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

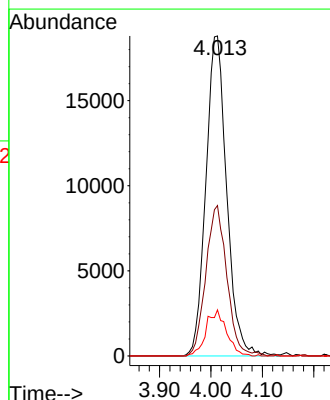
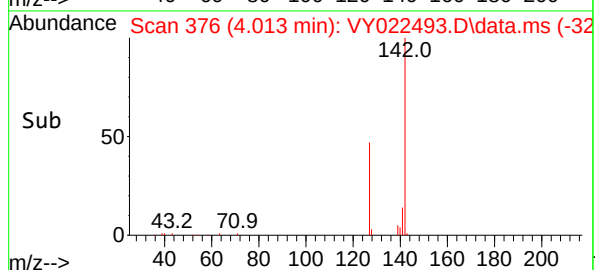
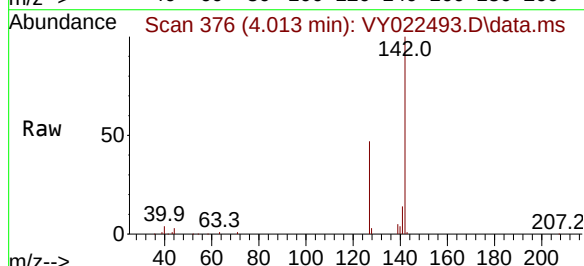
Manual Integrations
APPROVED

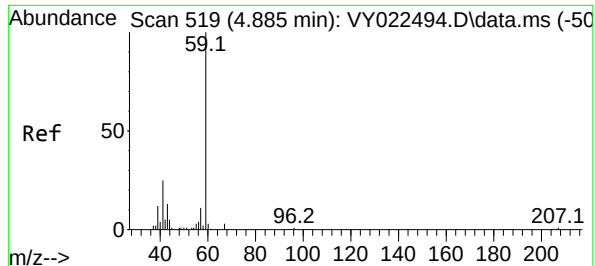
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

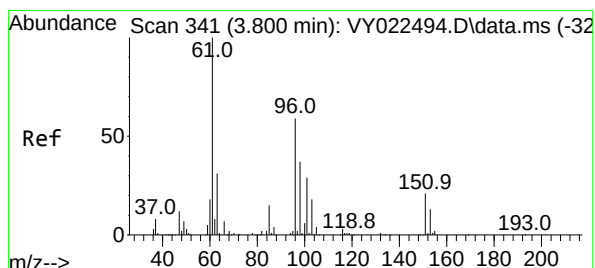
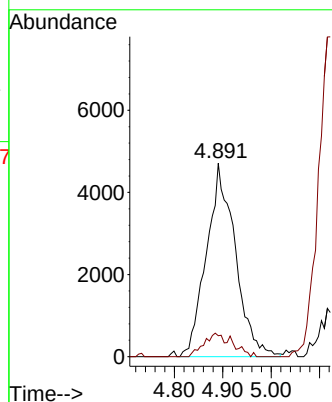
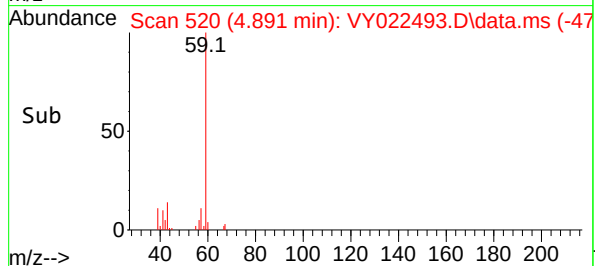
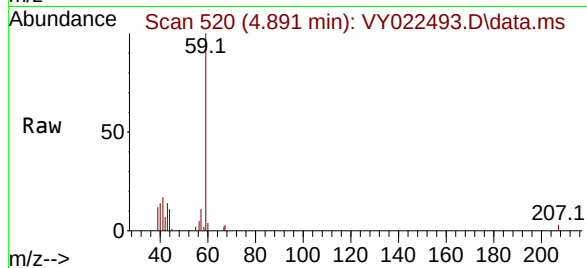
57 8.6 8.0 12.0

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

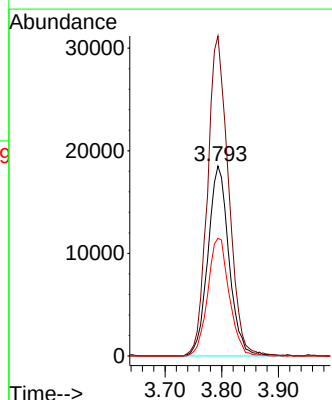
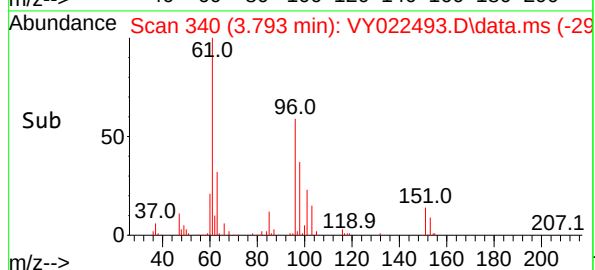
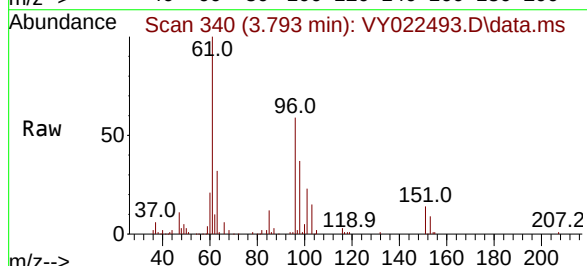
Tgt Ion: 96 Resp: 47770

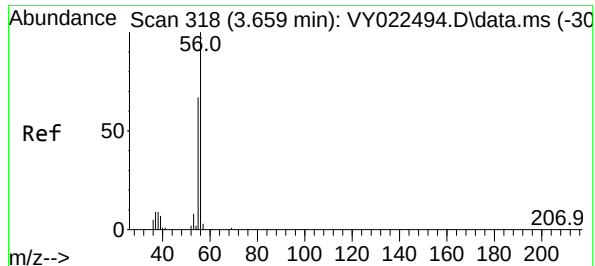
Ion Ratio Lower Upper

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

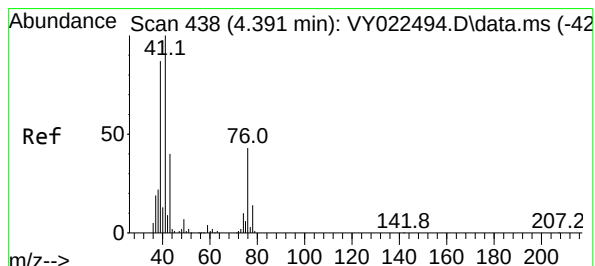
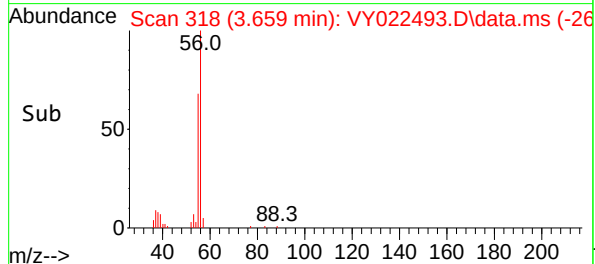
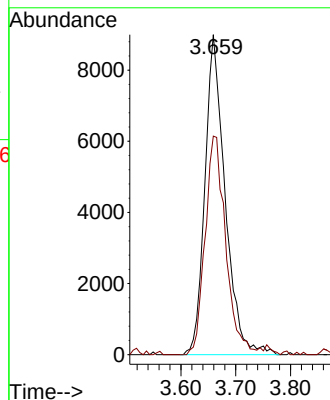
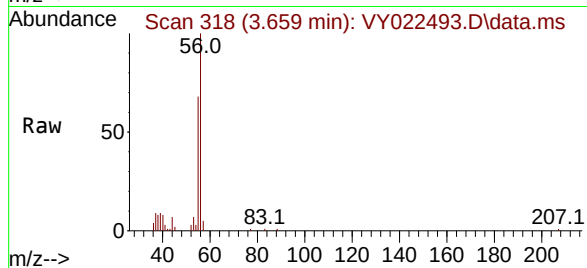
55 69.8 57.0 85.6

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

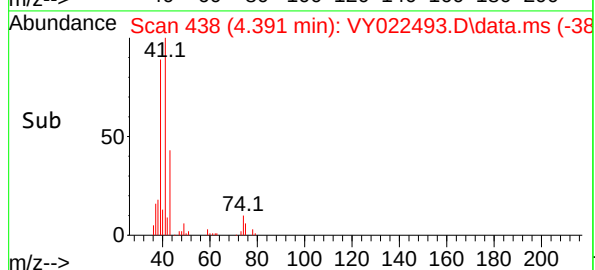
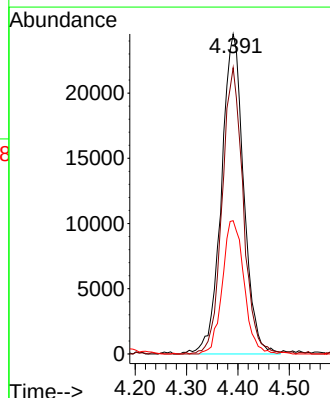
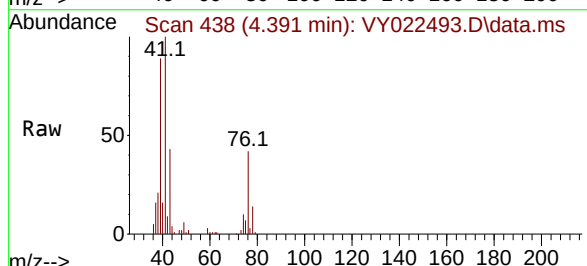
Tgt Ion: 41 Resp: 73926

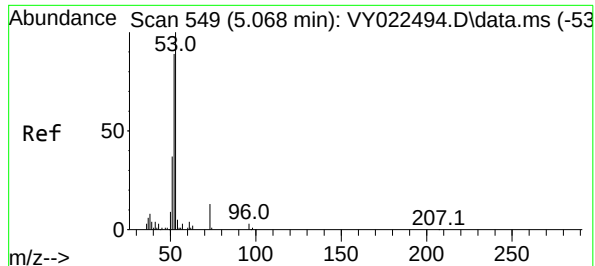
Ion Ratio Lower Upper

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 :

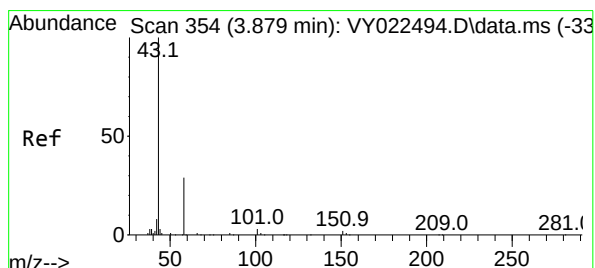
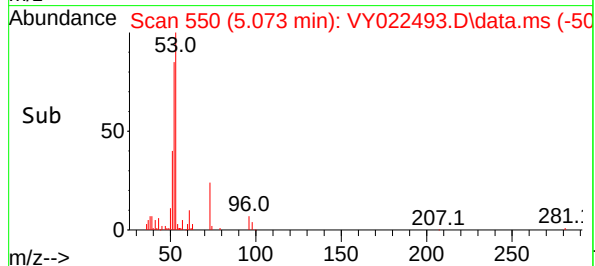
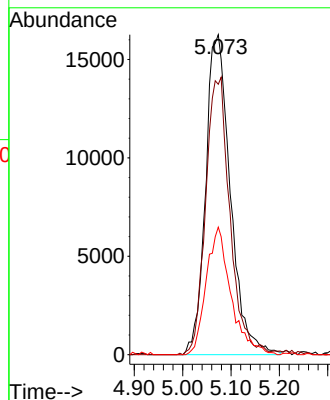
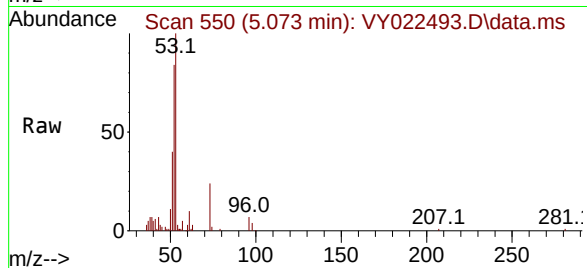
VSTDICC020

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

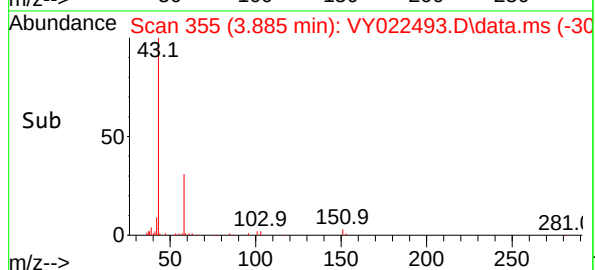
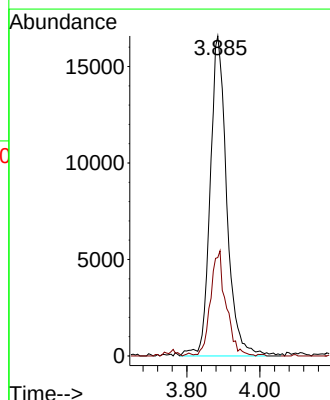
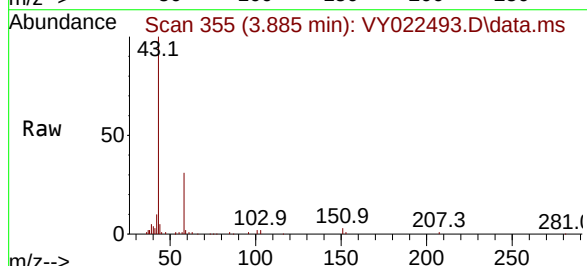
RT: 3.885 min Scan# 355

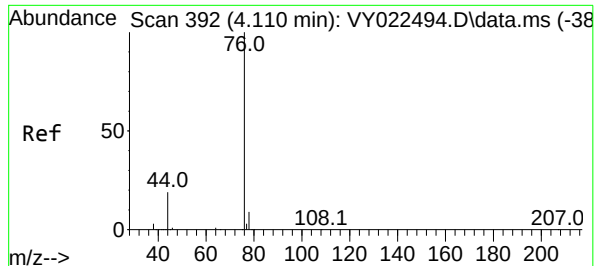
Delta R.T. 0.006 min

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

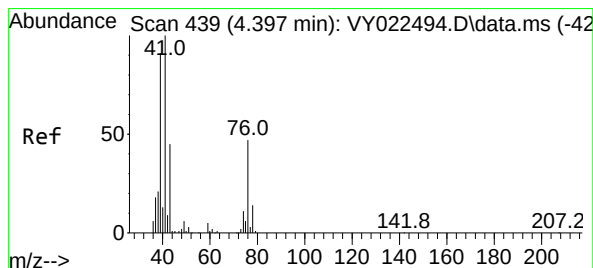
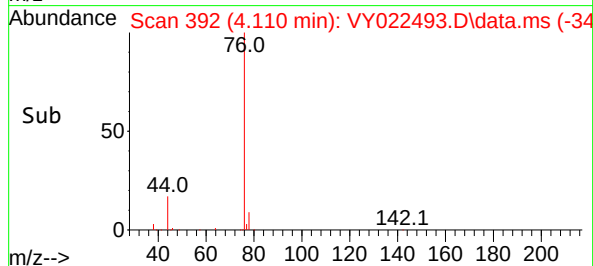
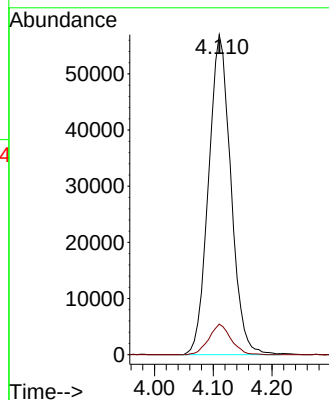
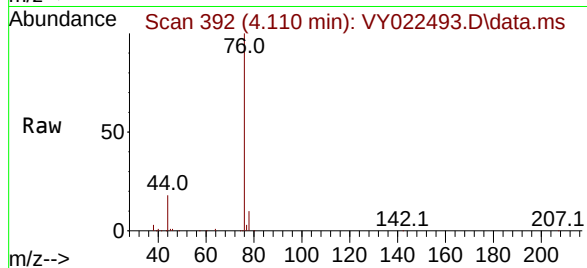
78 9.5 7.4 11.2

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

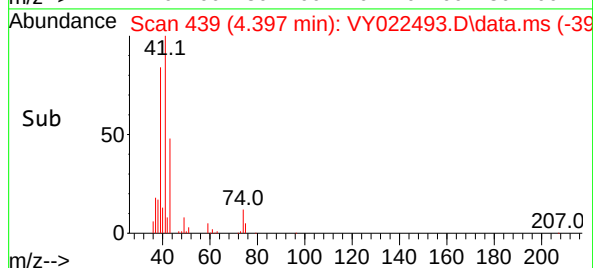
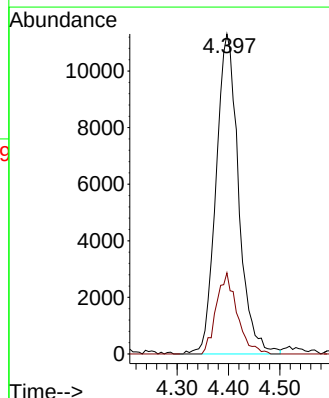
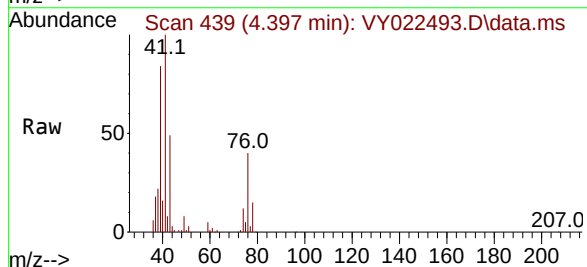
Acq: 02 Jun 2025 12:32

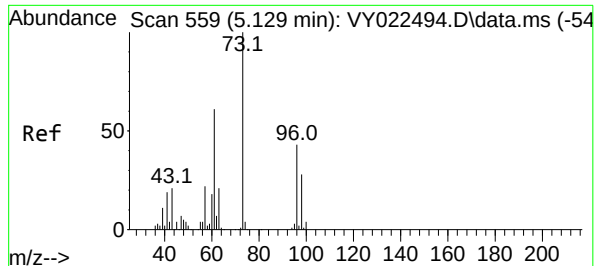
Tgt Ion: 43 Resp: 34419

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

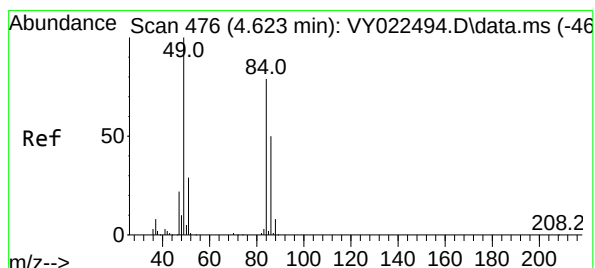
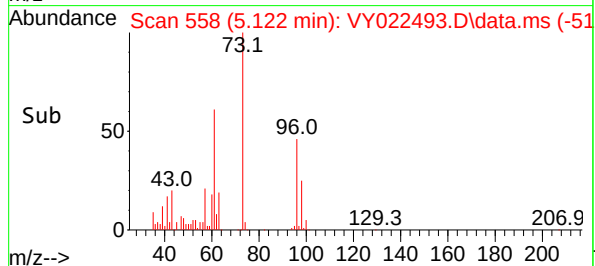
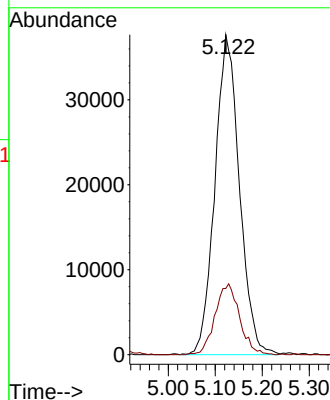
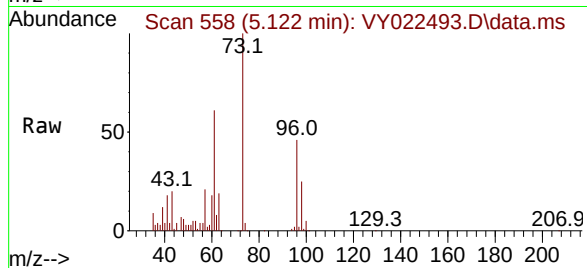
57 20.7 17.4 26.0

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

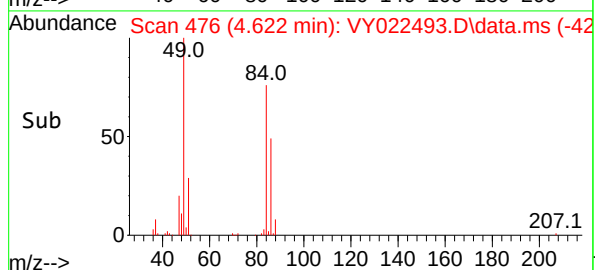
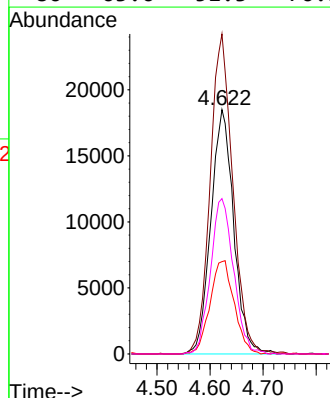
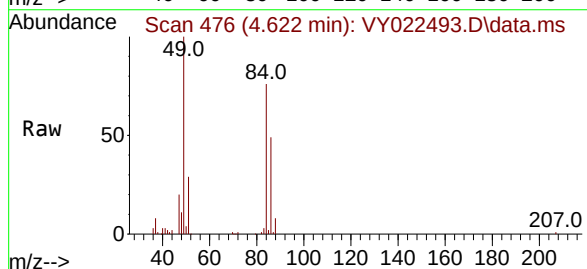
Ion Ratio Lower Upper

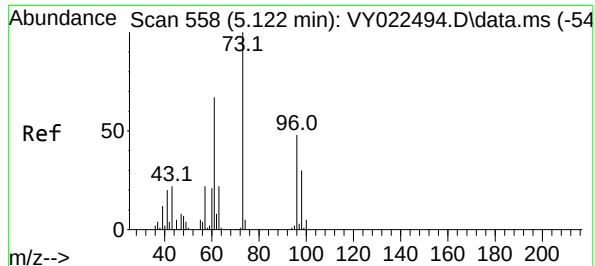
84 100

49 131.0 101.9 152.9

51 37.8 29.8 44.8

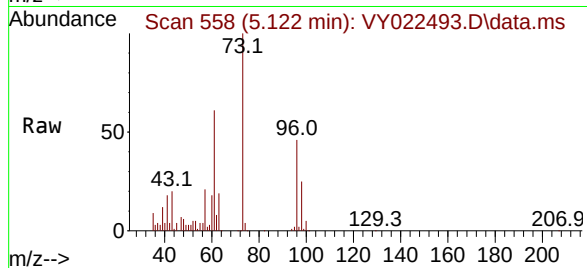
86 63.6 51.3 76.9





#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

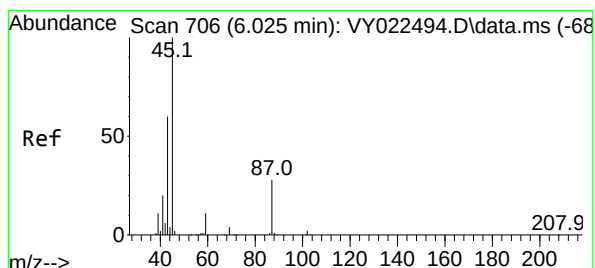
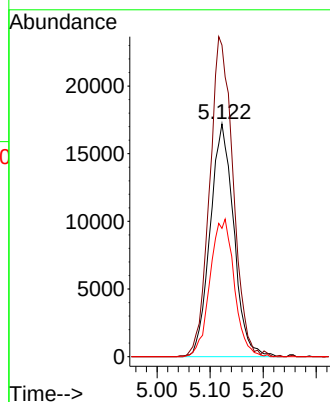
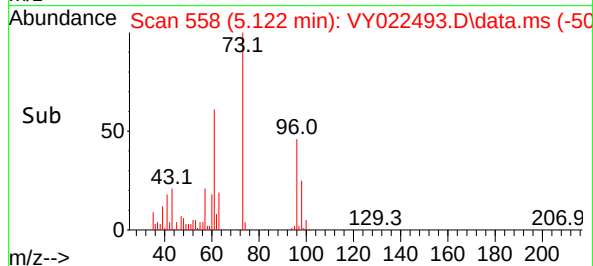
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

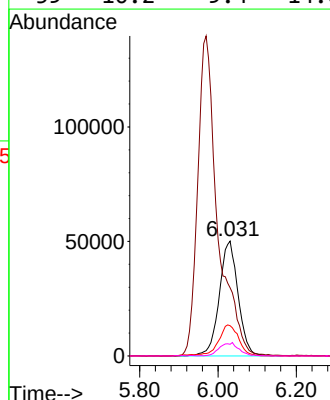
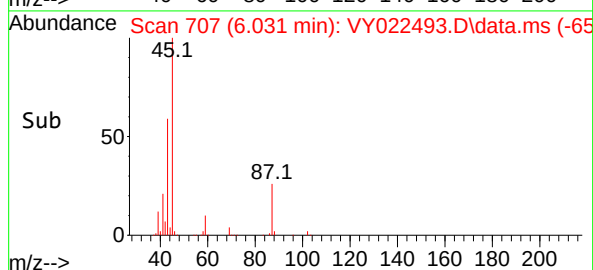
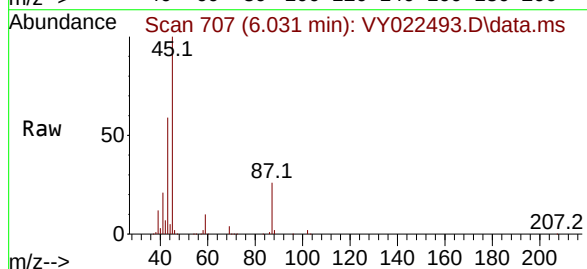
Manual Integrations
APPROVED

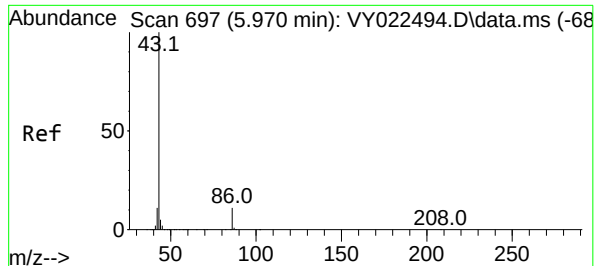
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





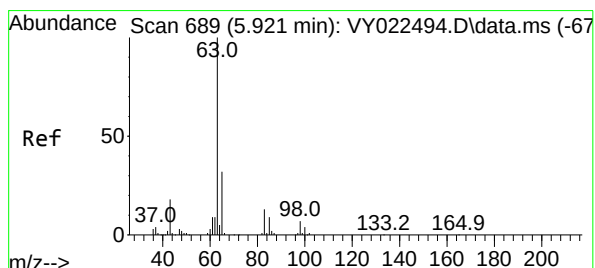
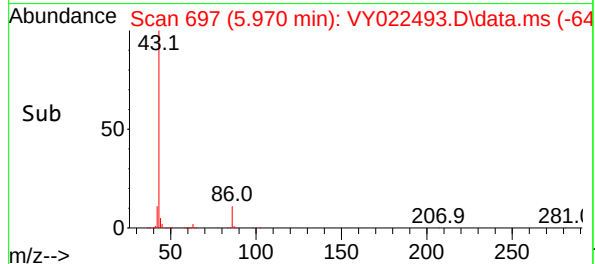
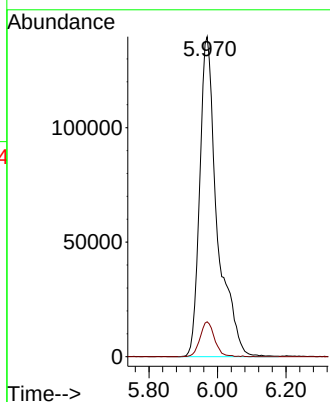
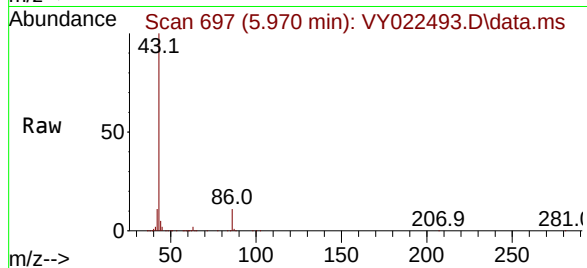
#23
Vinyl Acetate
Concen: 108.569 ug/l
RT: 5.970 min Scan# 697
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 49793
Ion Ratio Lower Upper
43 100
86 10.9 8.6 12.8

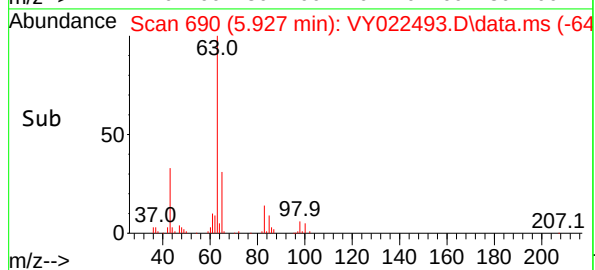
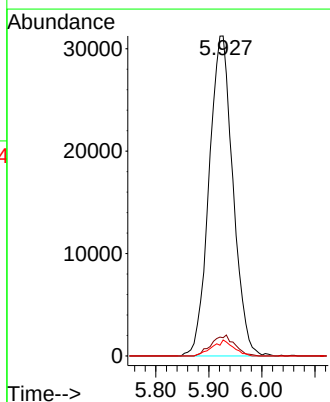
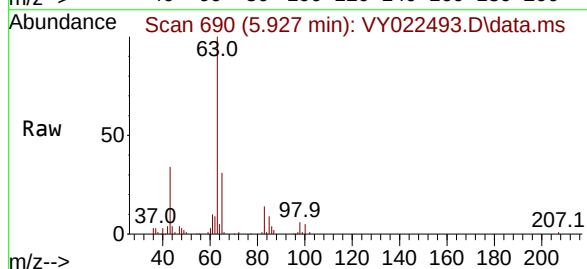
Manual Integrations
APPROVED

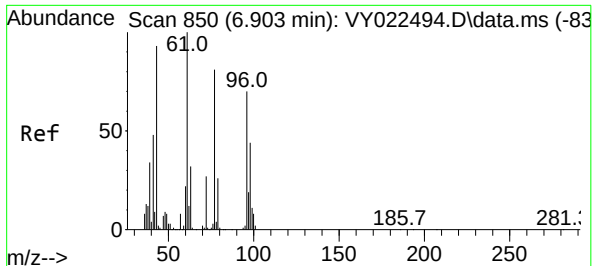
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

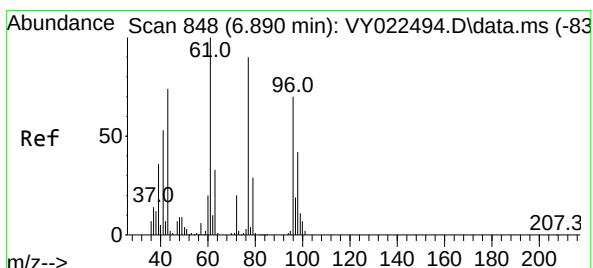
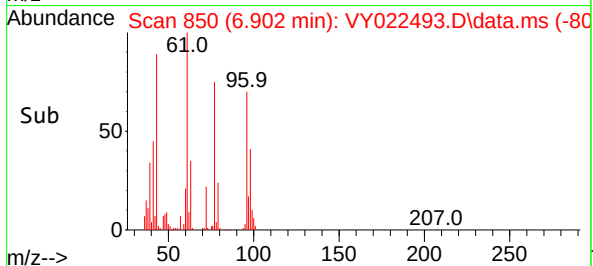
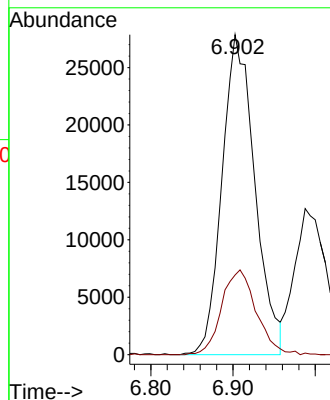
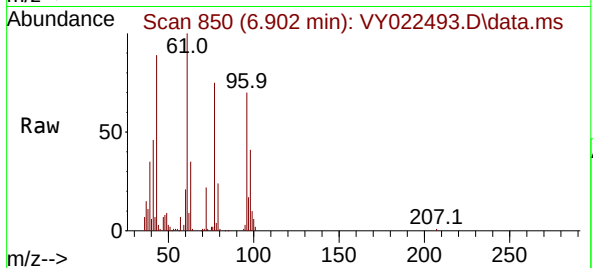
72 24.9 22.9 34.3

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

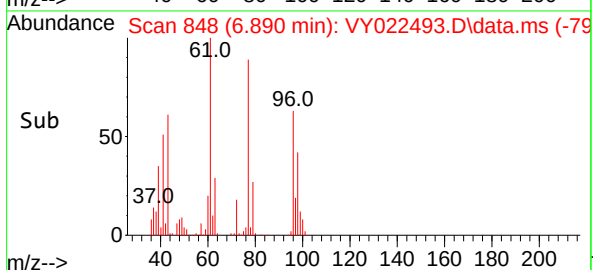
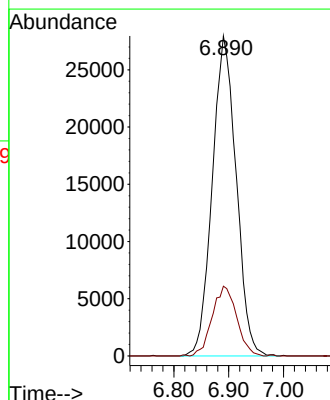
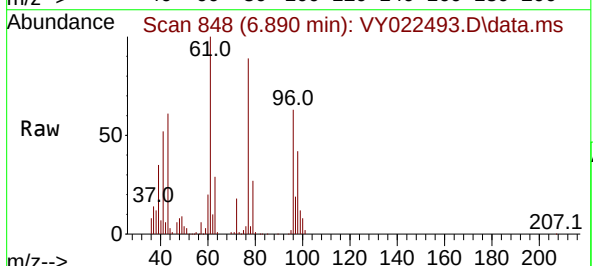
Acq: 02 Jun 2025 12:32

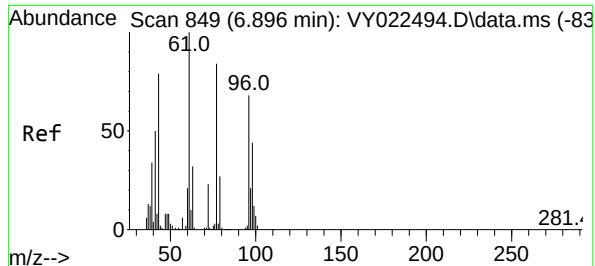
Tgt Ion: 77 Resp: 84543

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

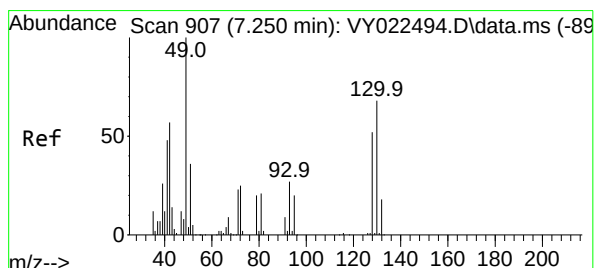
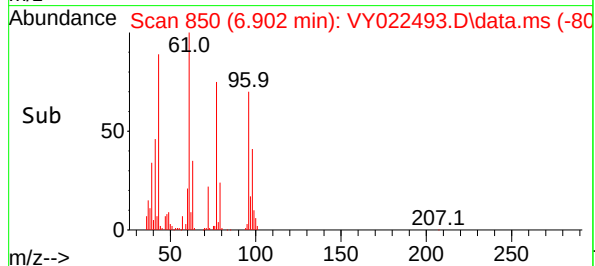
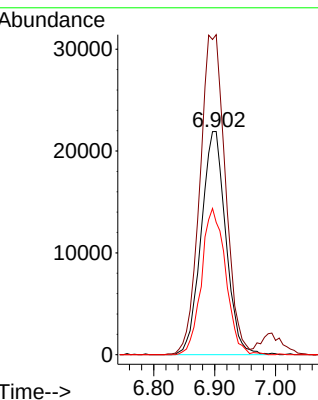
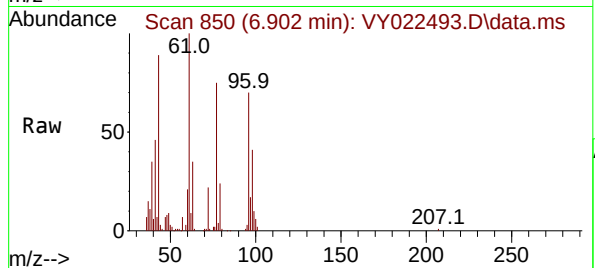
98 64.4 0.0 128.4

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

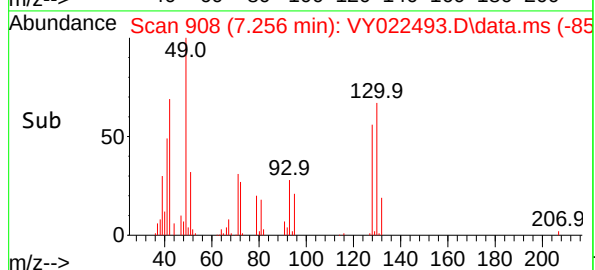
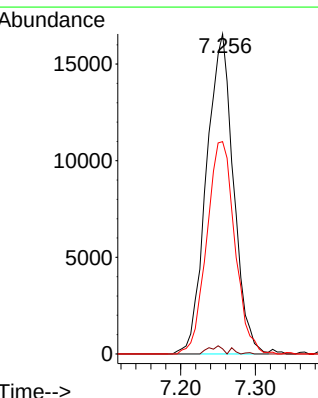
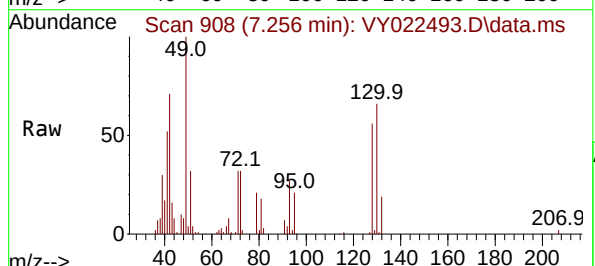
Tgt Ion: 49 Resp: 41634

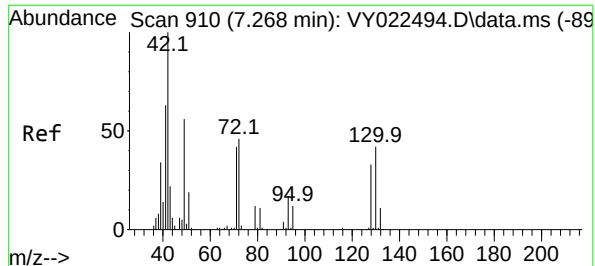
Ion Ratio Lower Upper

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 :

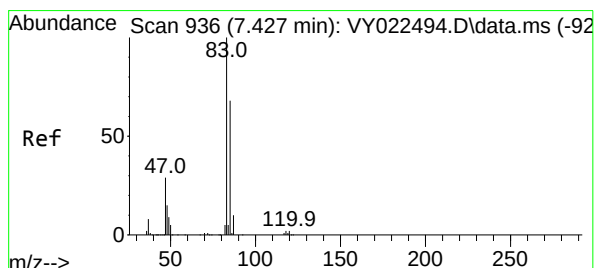
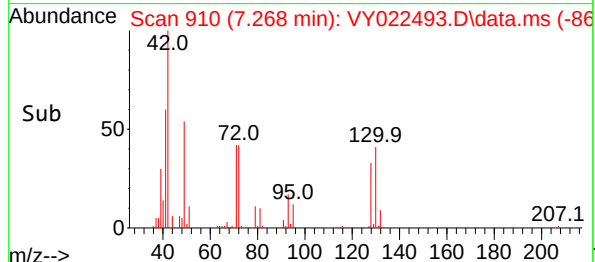
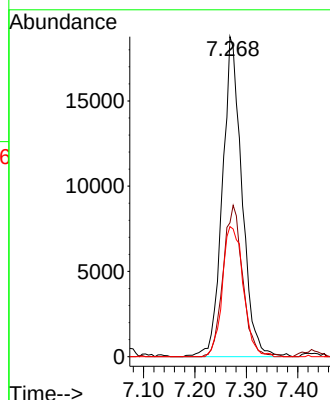
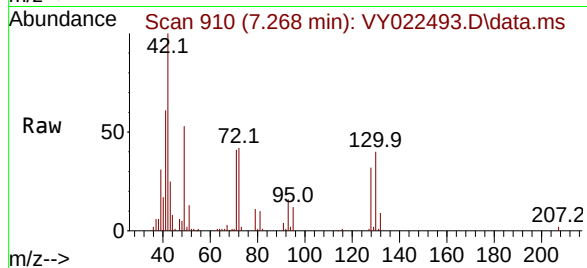
VSTDIC020

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

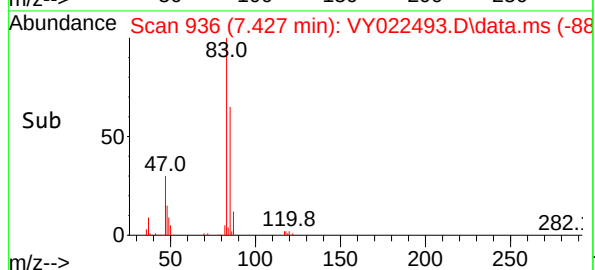
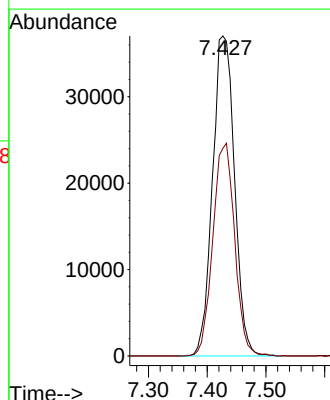
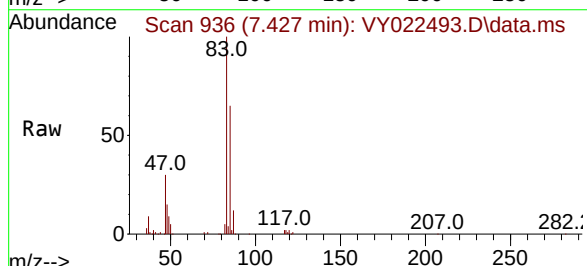
RT: 7.427 min Scan# 936

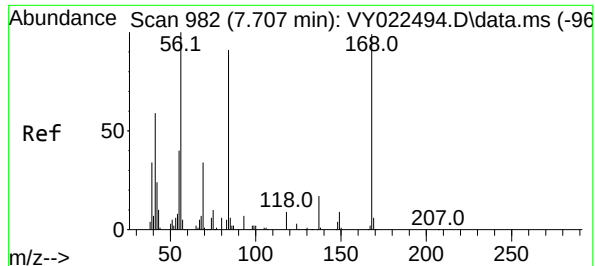
Delta R.T. -0.000 min

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

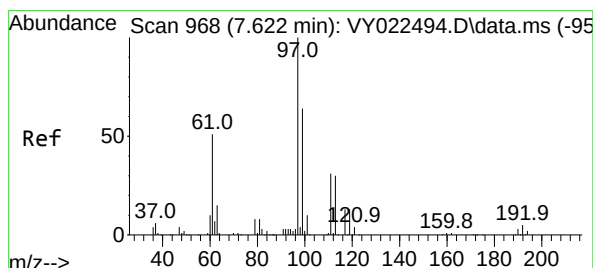
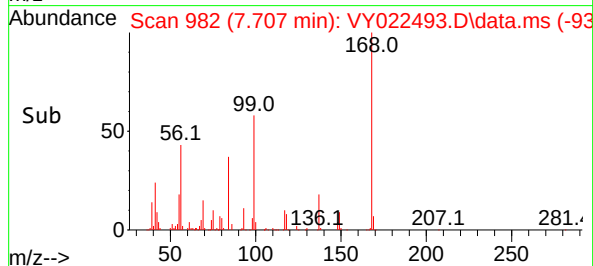
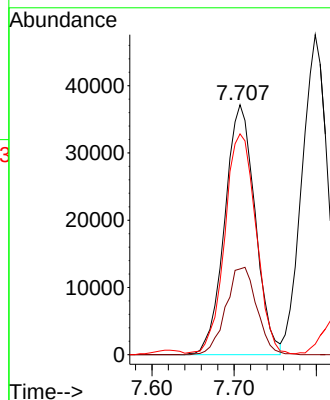
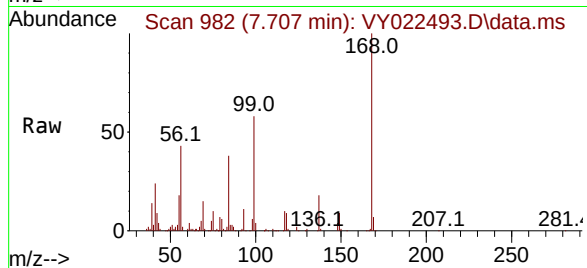
84 87.0 72.6 109.0

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

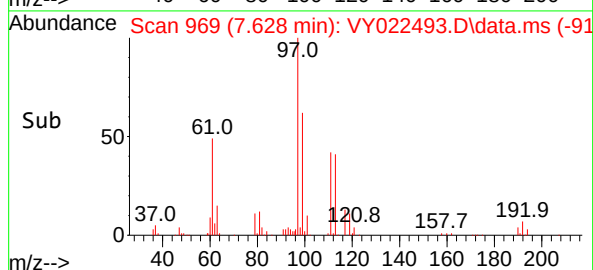
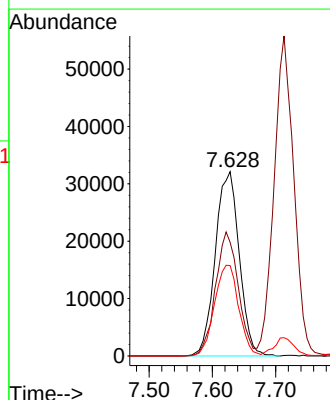
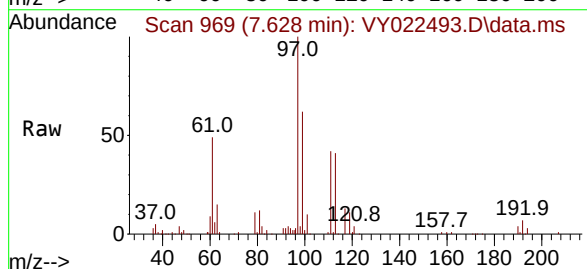
Tgt Ion: 97 Resp: 84365

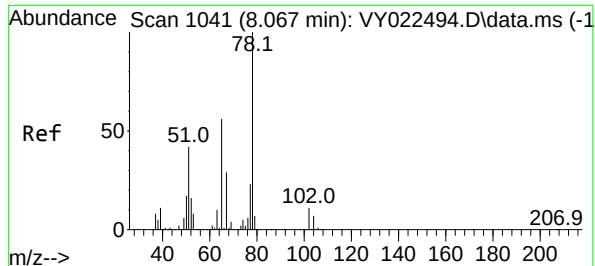
Ion Ratio Lower Upper

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

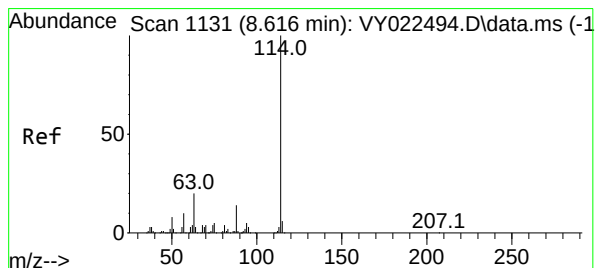
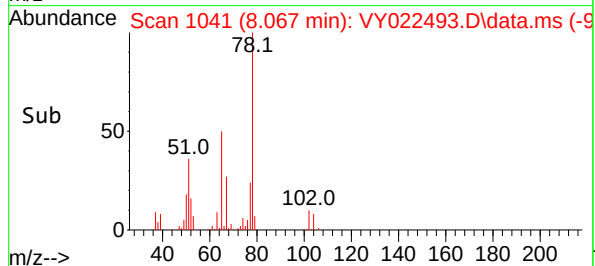
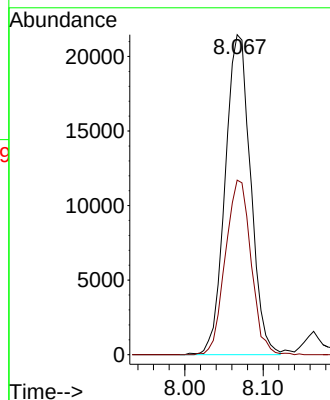
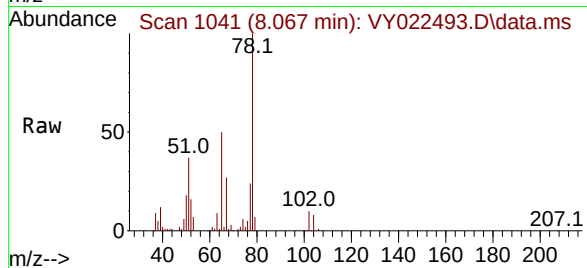
67 55.1 0.0 103.4

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

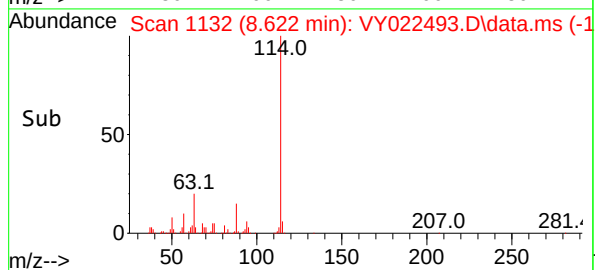
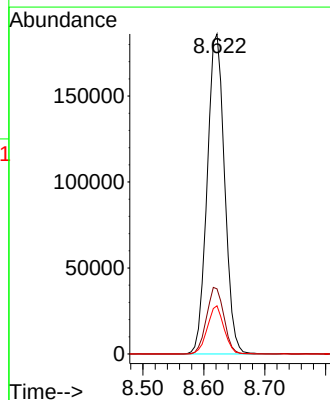
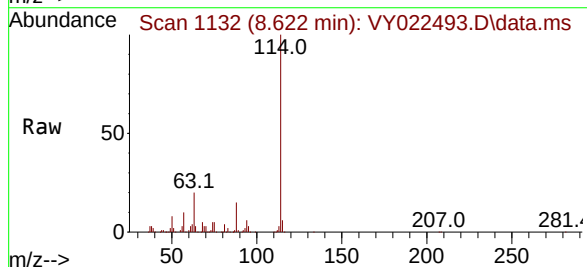
Tgt Ion:114 Resp: 369398

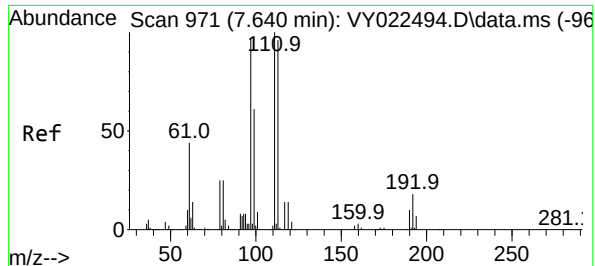
Ion Ratio Lower Upper

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

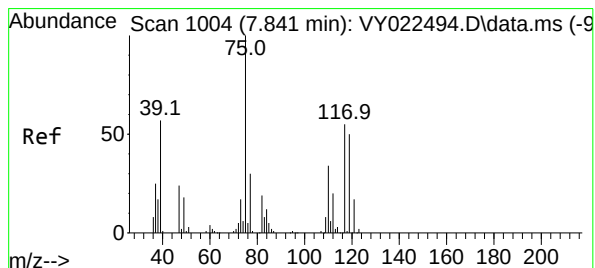
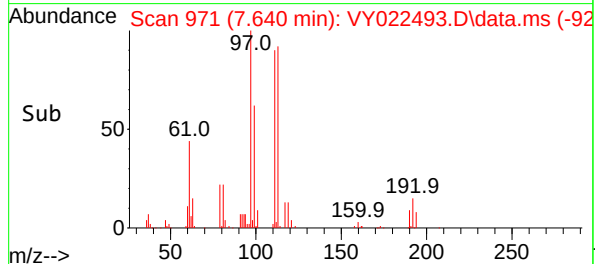
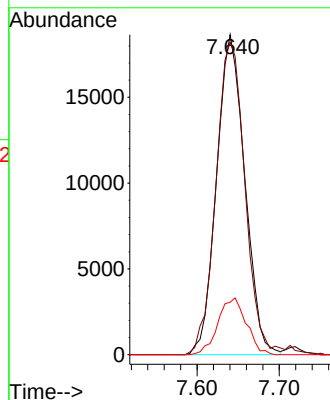
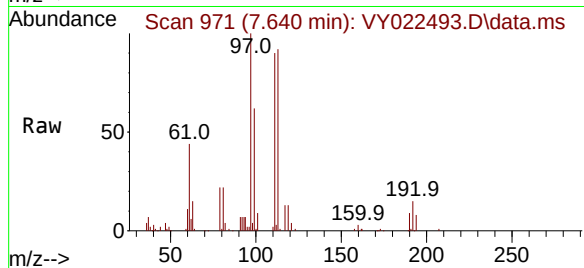
192 17.8 14.2 21.2

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

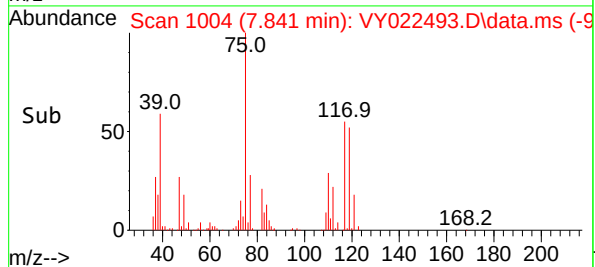
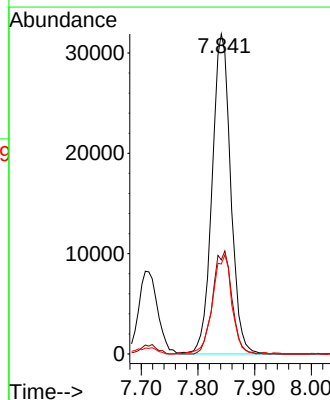
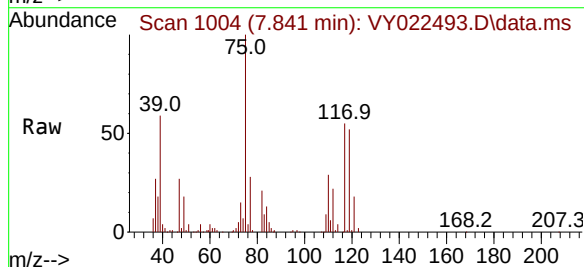
Tgt Ion: 75 Resp: 72658

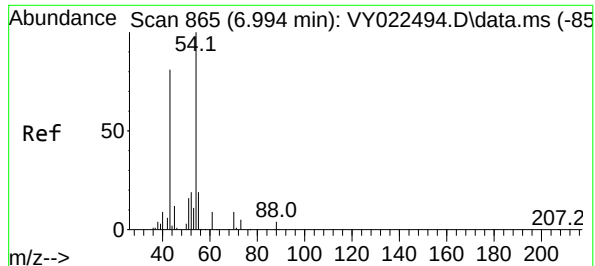
Ion Ratio Lower Upper

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 :

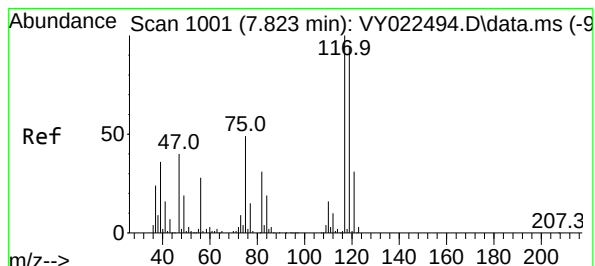
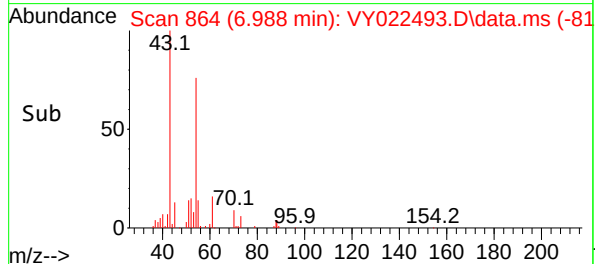
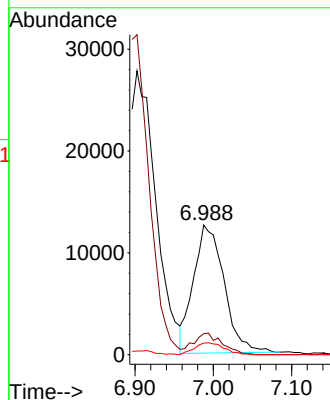
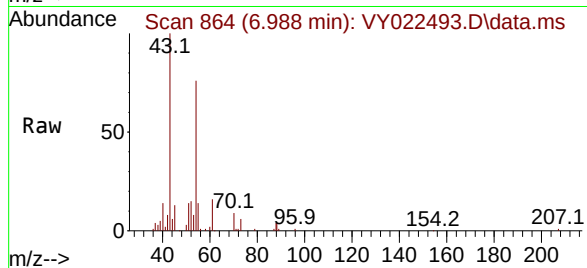
VSTDICC020

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

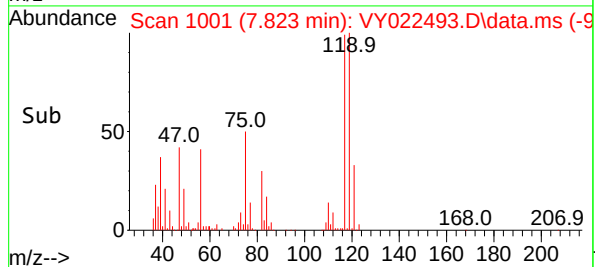
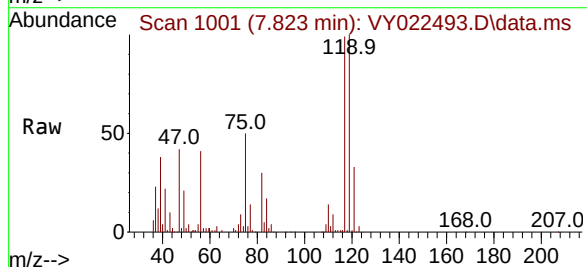
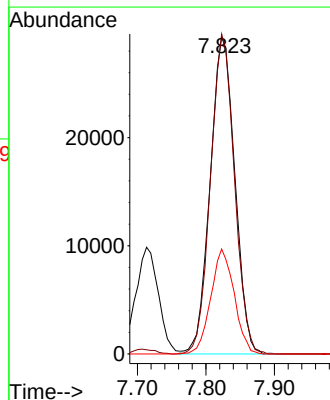
RT: 7.823 min Scan# 1001

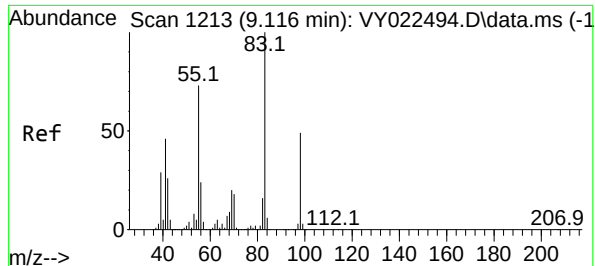
Delta R.T. -0.000 min

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# 11

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

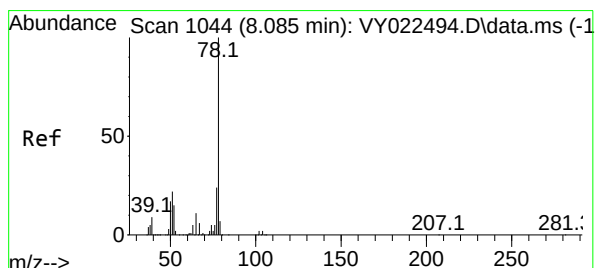
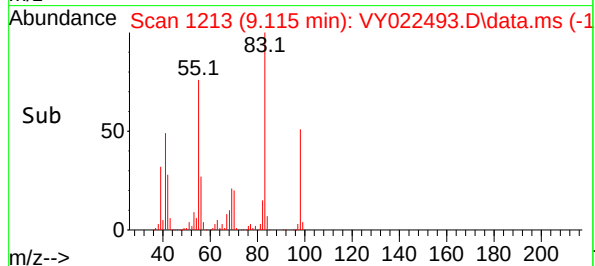
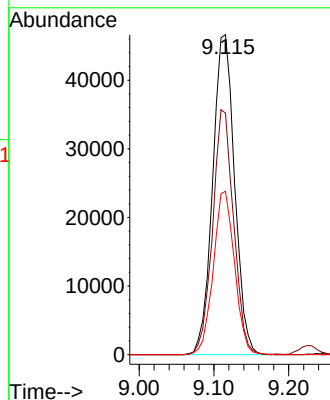
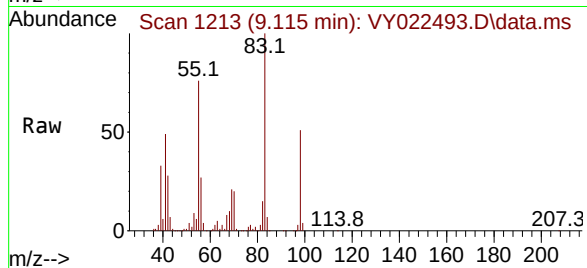
98 51.1 39.0 58.6

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

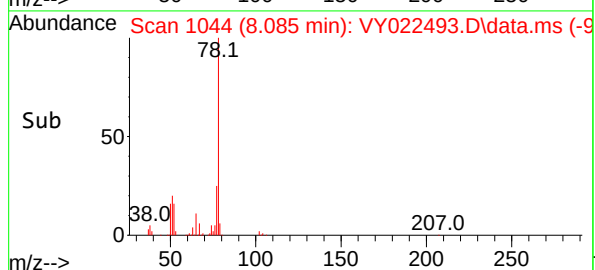
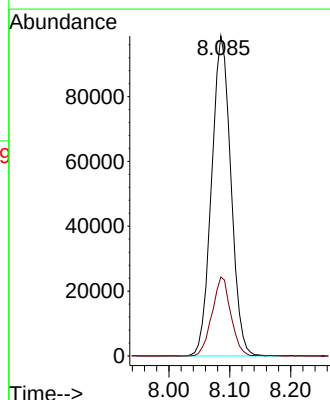
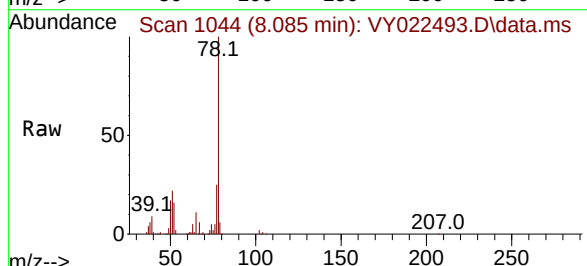
Acq: 02 Jun 2025 12:32

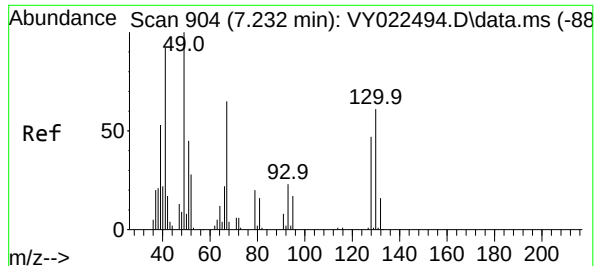
Tgt Ion: 78 Resp: 217595

Ion Ratio Lower Upper

78 100

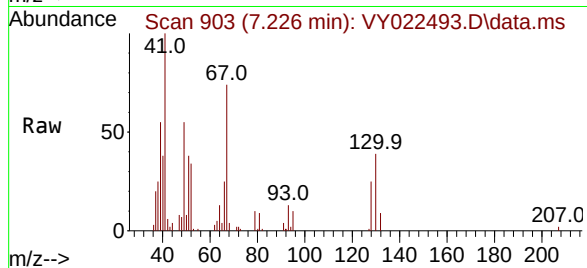
77 24.7 19.3 28.9





#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

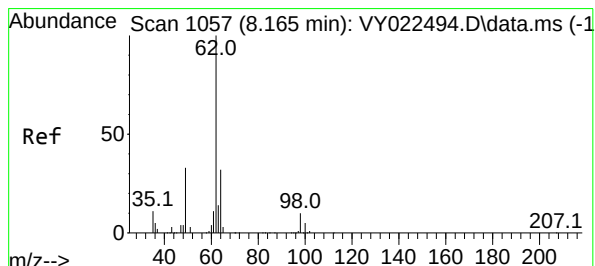
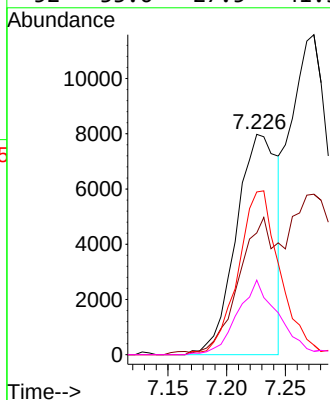
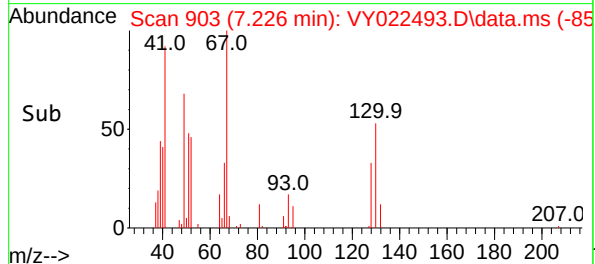
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

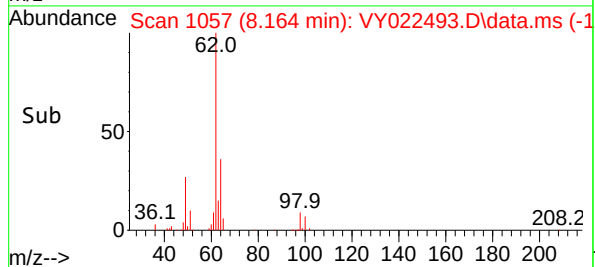
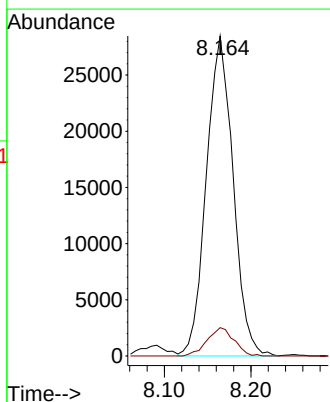
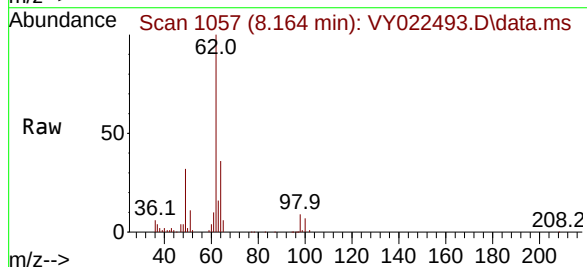
Manual Integrations
APPROVED

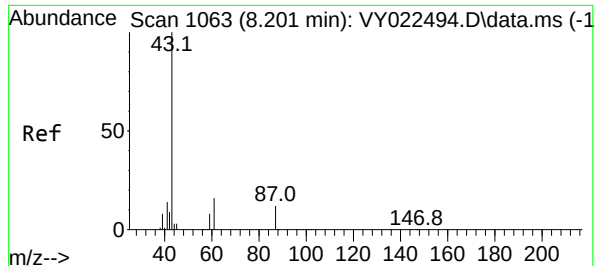
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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 :

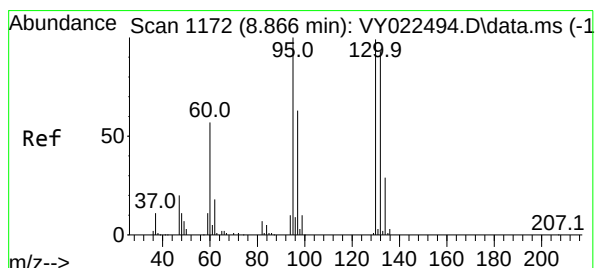
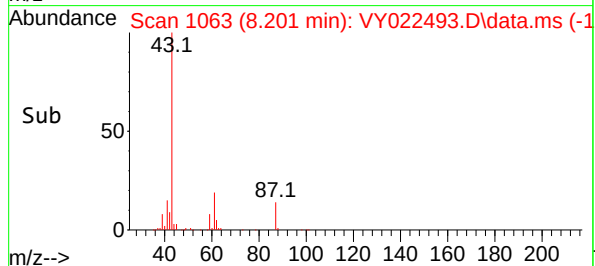
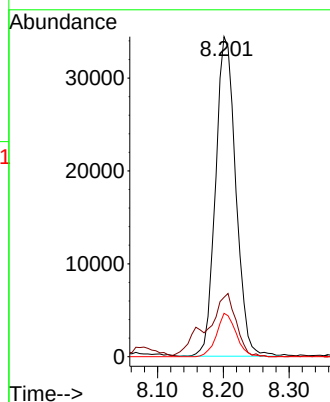
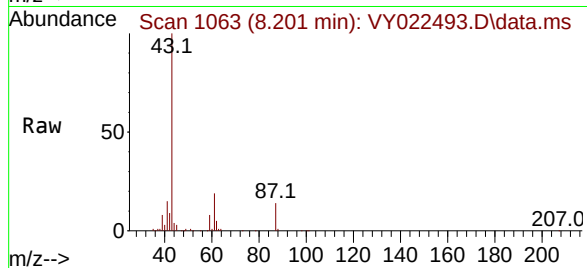
VSTDICC020

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

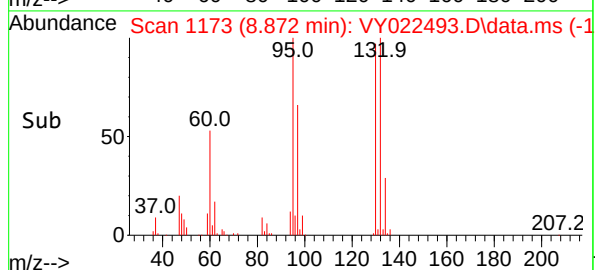
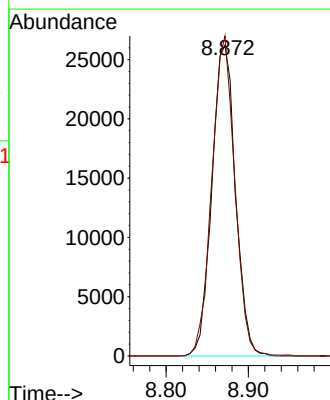
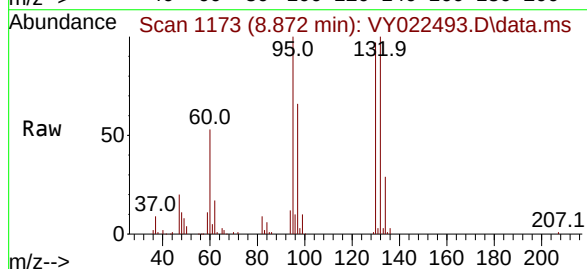
RT: 8.872 min Scan# 1173

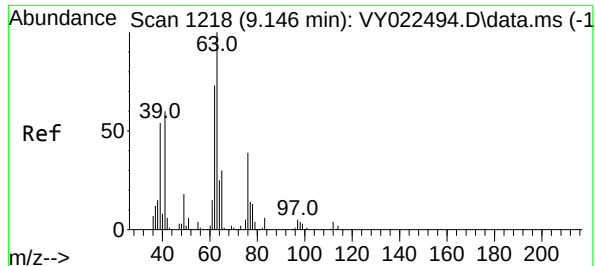
Delta R.T. 0.006 min

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

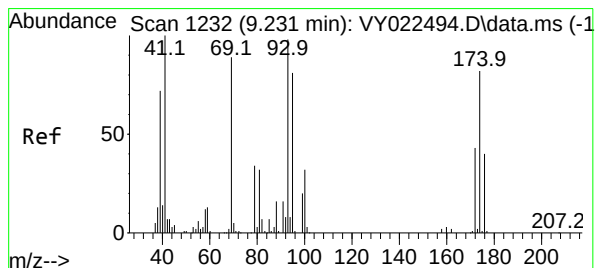
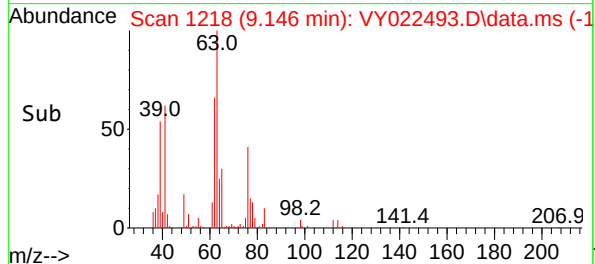
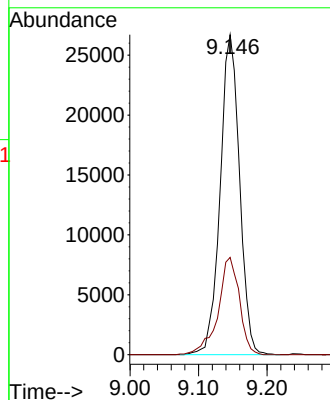
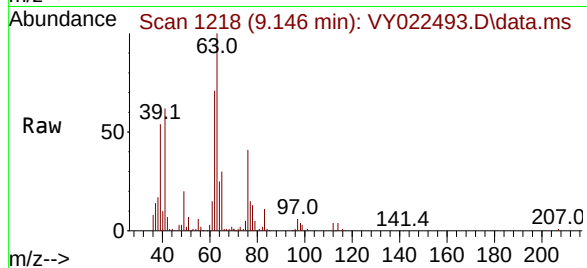
65 30.4 24.0 36.0

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

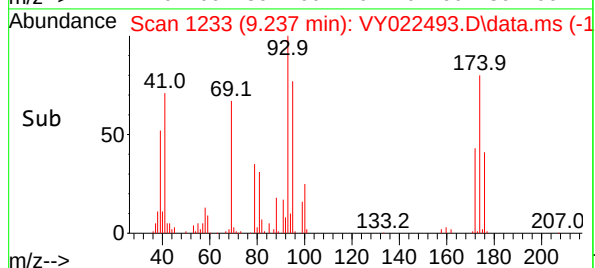
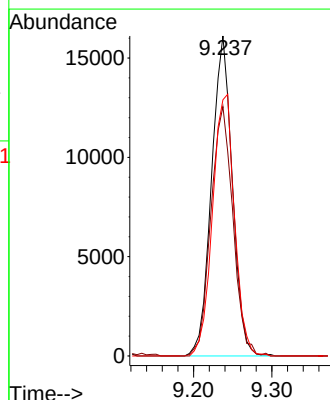
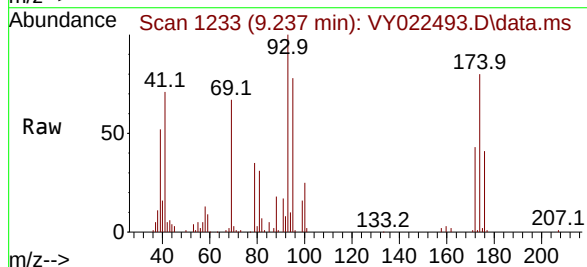
Tgt Ion: 93 Resp: 29741

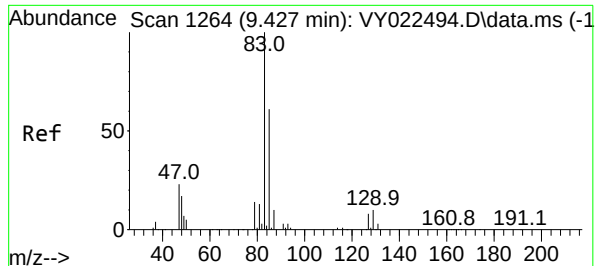
Ion Ratio Lower Upper

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 :

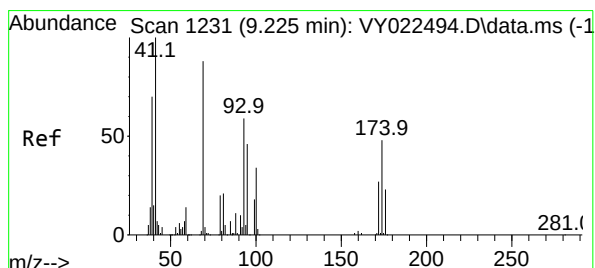
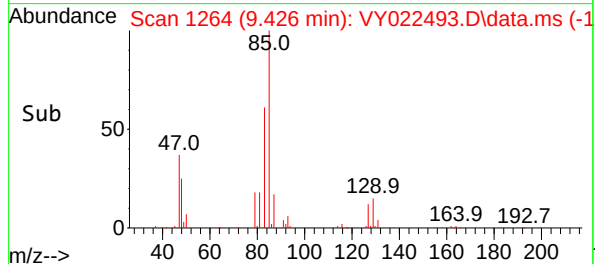
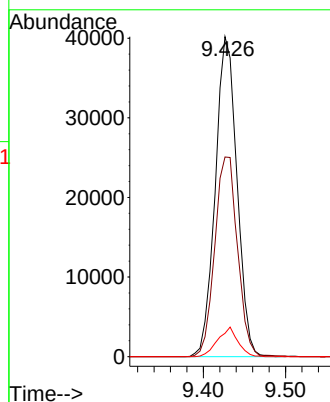
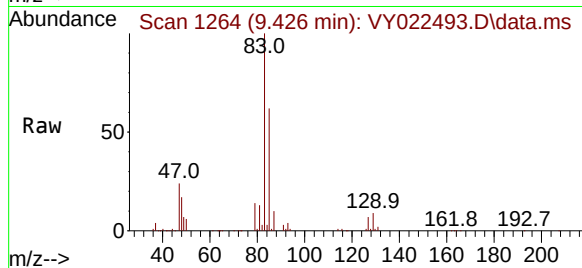
VSTDIC020

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

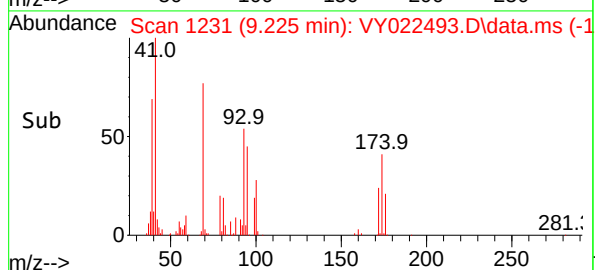
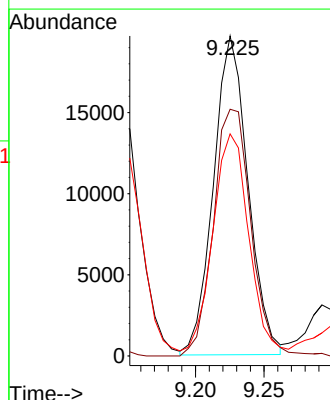
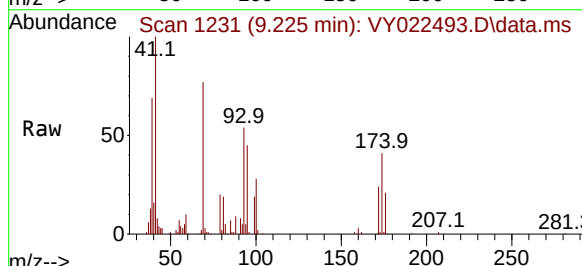
RT: 9.225 min Scan# 1231

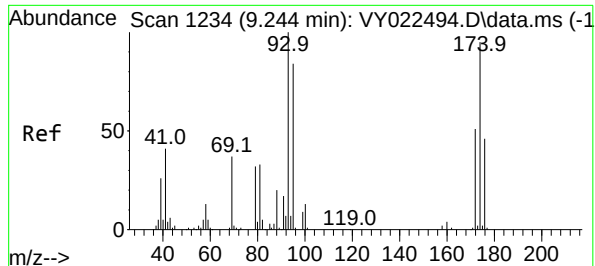
Delta R.T. -0.000 min

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 :

VSTDICC020

Tgt Ion: 88 Resp: 744

Ion Ratio Lower Upper

88 100

43 31.1 25.4 38.2

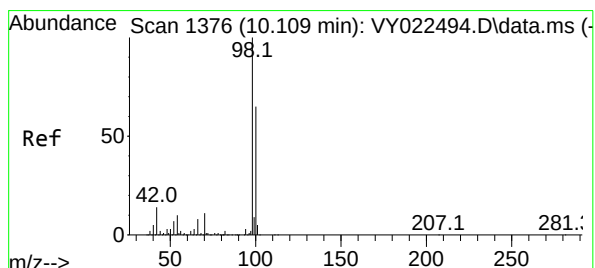
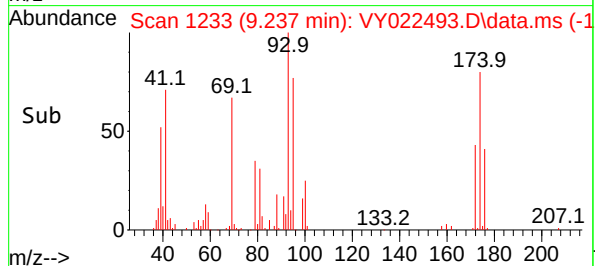
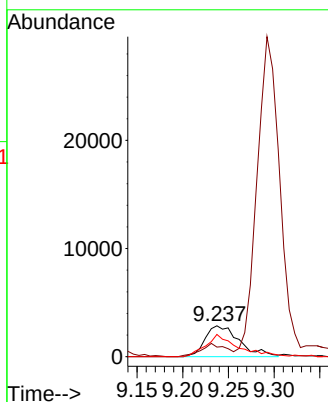
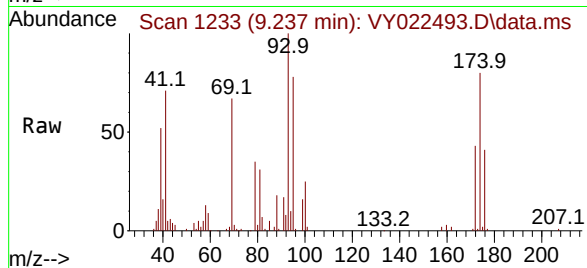
58 67.3 54.9 82.3

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

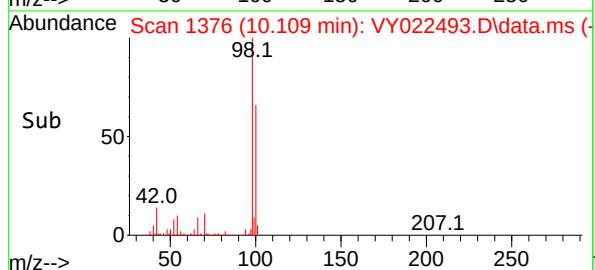
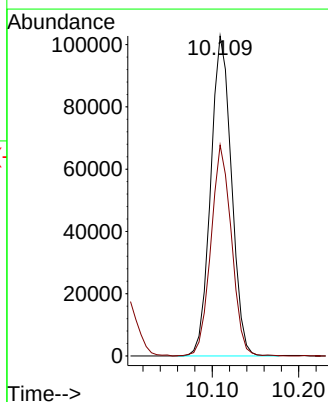
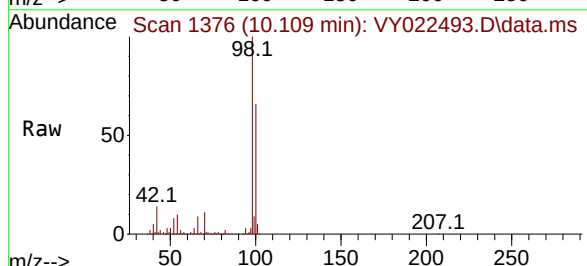
Acq: 02 Jun 2025 12:32

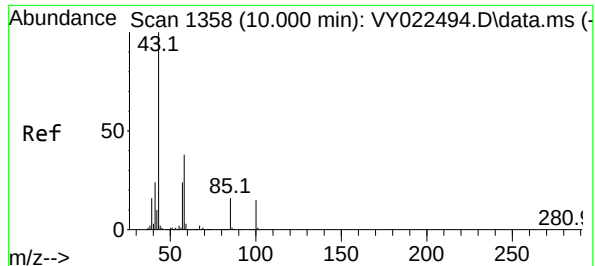
Tgt Ion: 98 Resp: 171165

Ion Ratio Lower Upper

98 100

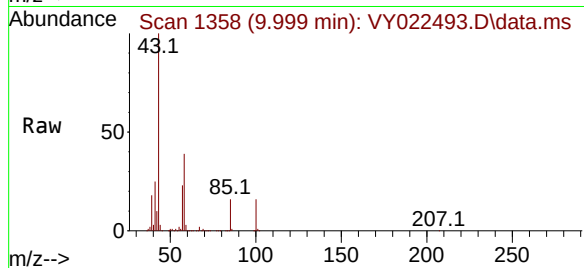
100 65.2 51.4 77.0





#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

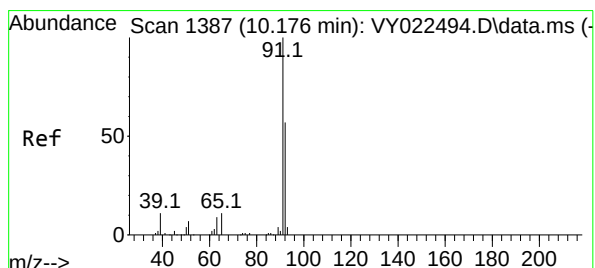
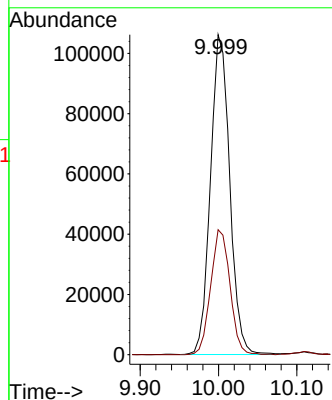
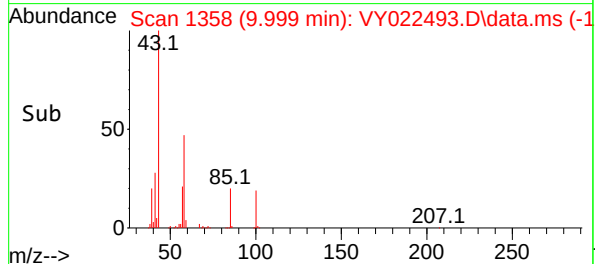
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 181463
Ion Ratio Lower Upper
43 100
58 39.2 30.4 45.6

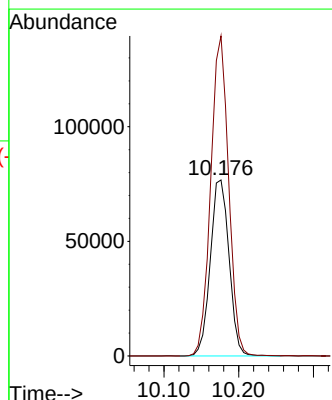
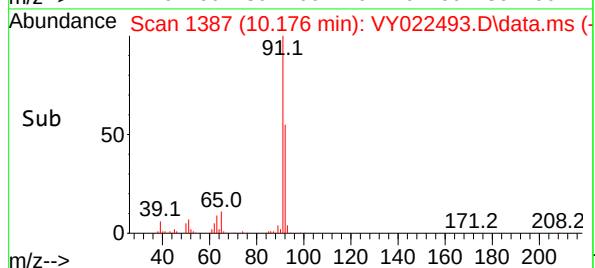
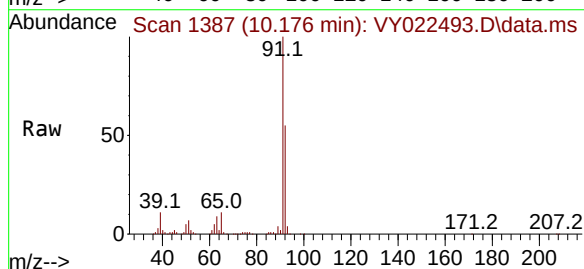
Manual Integrations
APPROVED

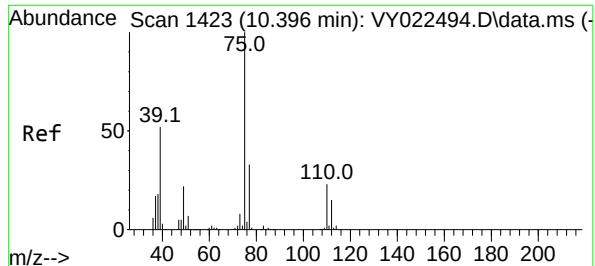
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#52
Toluene
Concen: 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





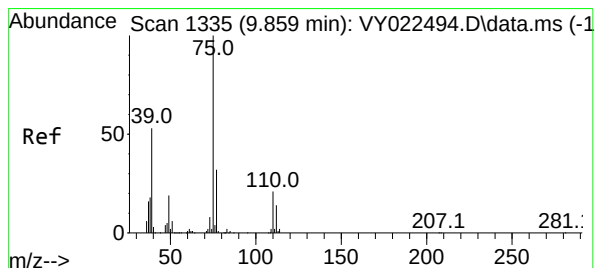
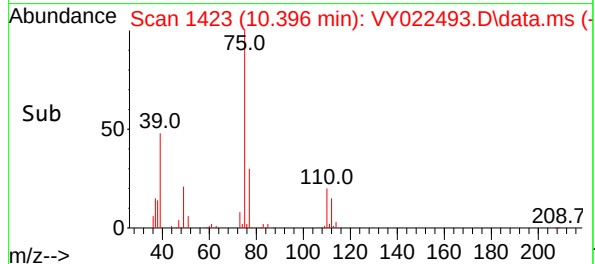
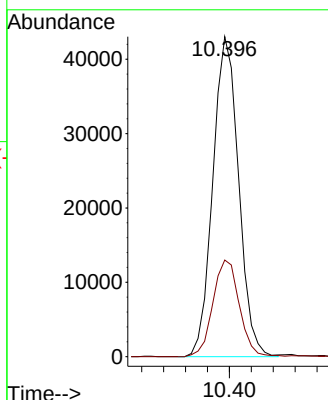
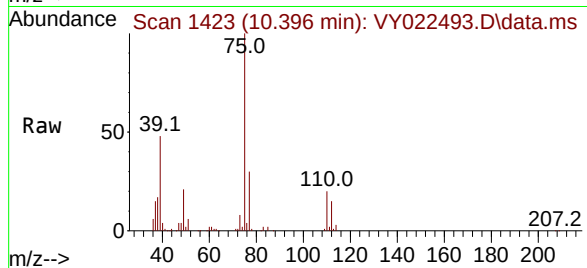
#53
t-1,3-Dichloropropene
Concen: 21.660 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 70358
Ion Ratio Lower Upper
75 100
77 30.2 26.5 39.7

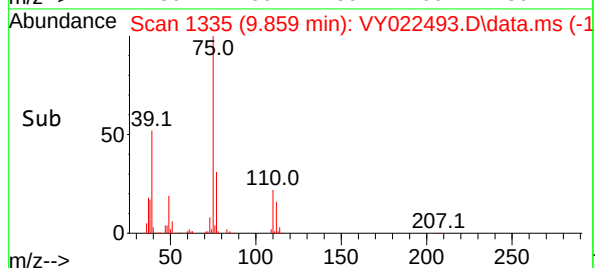
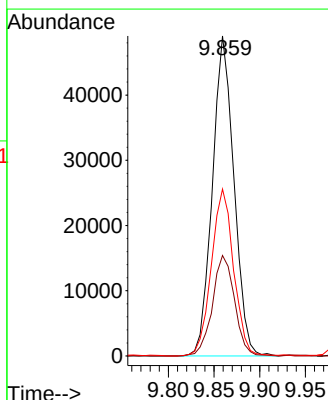
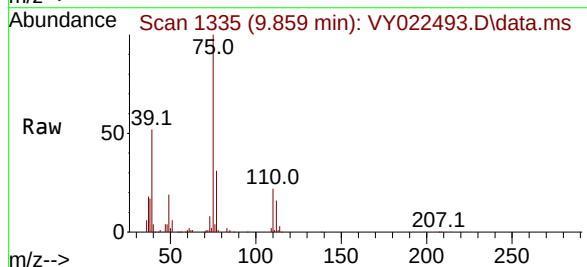
Manual Integrations
APPROVED

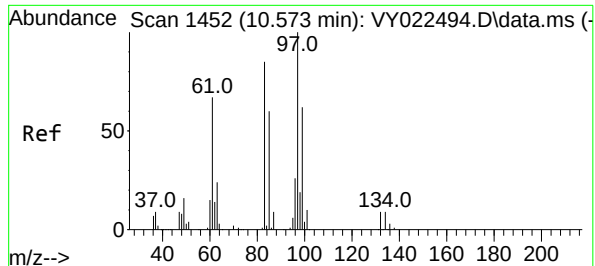
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

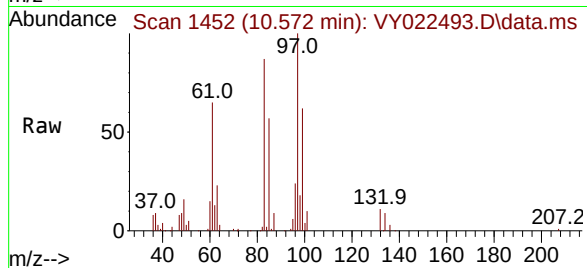
Tgt Ion: 75 Resp: 80524
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
39 52.1 42.7 64.1





#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

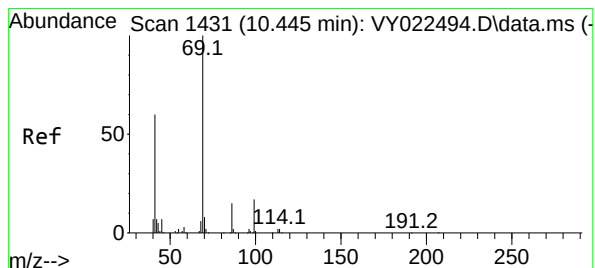
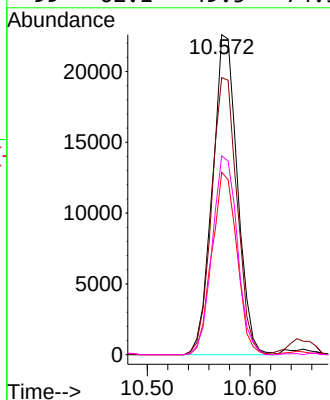
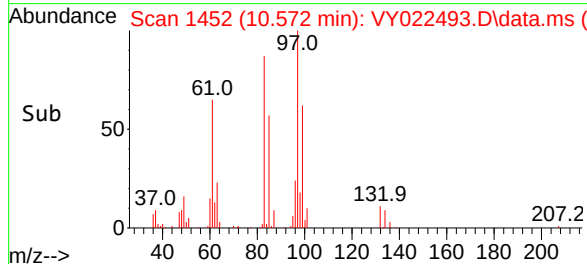
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

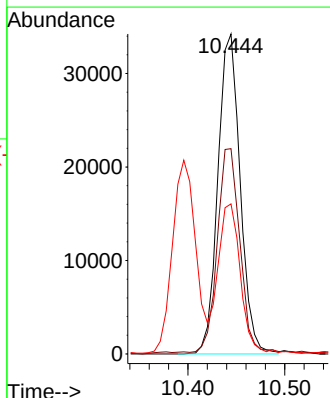
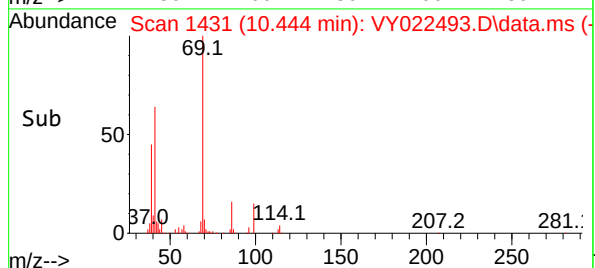
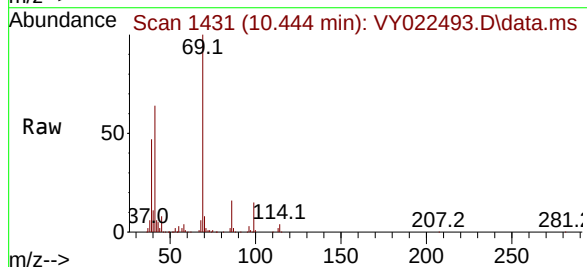
Manual Integrations
APPROVED

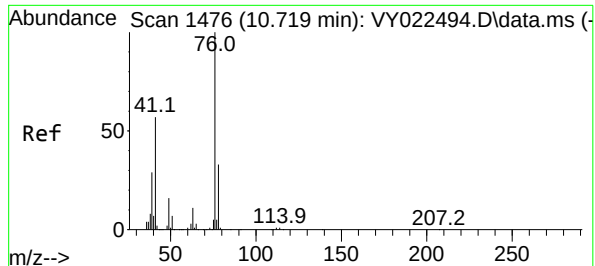
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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 :

VSTDIC020

Tgt Ion: 76 Resp: 66163

Ion Ratio Lower Upper

76 100

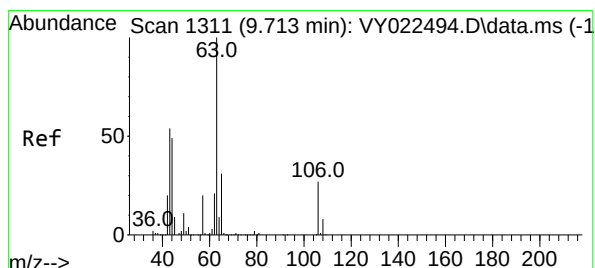
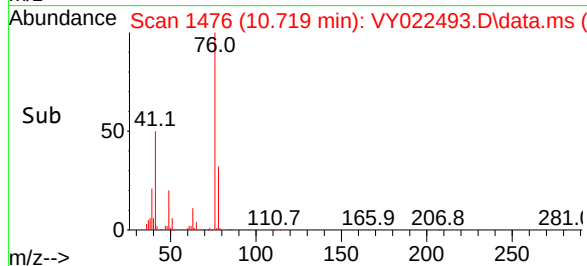
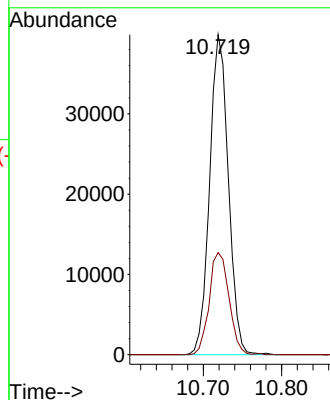
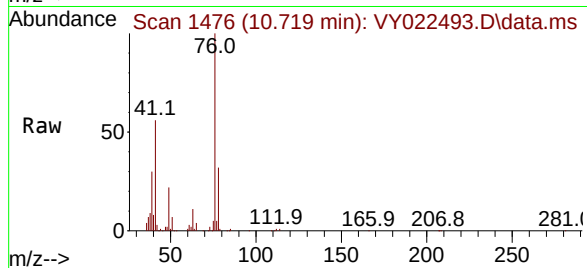
78 33.8 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025

Supervised By :Mahesh Dadoda 06/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 104.797 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY022493.D

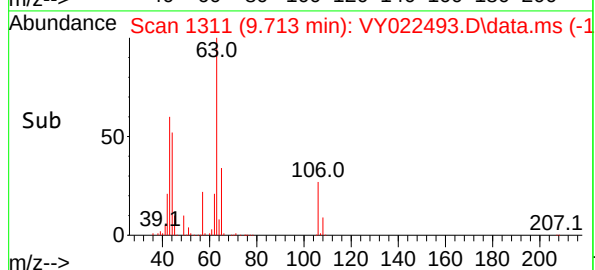
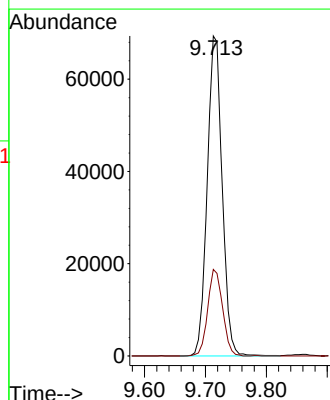
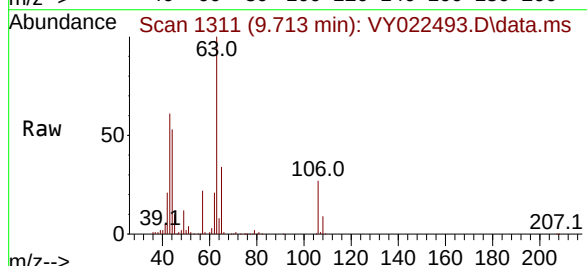
Acq: 02 Jun 2025 12:32

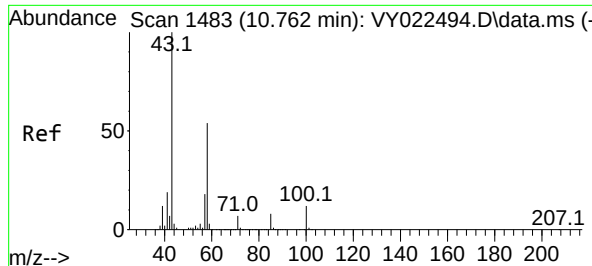
Tgt Ion: 63 Resp: 118244

Ion Ratio Lower Upper

63 100

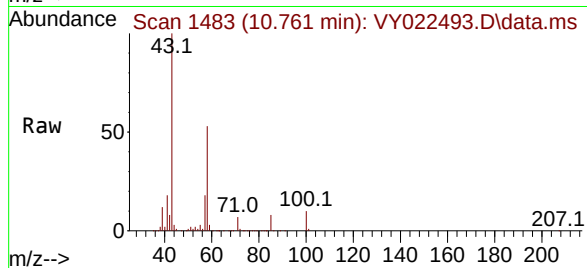
106 26.8 21.6 32.4





#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

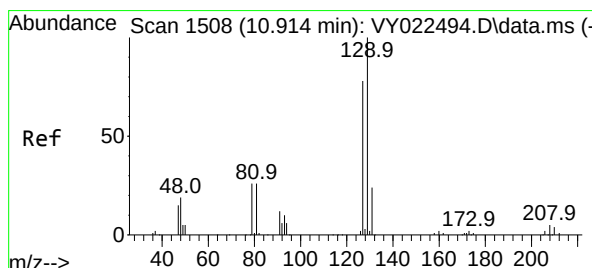
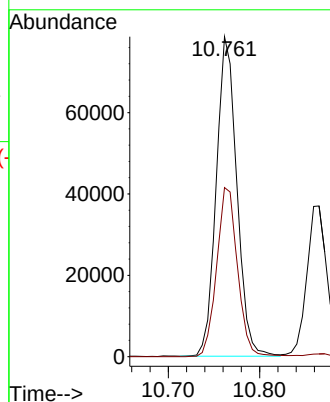
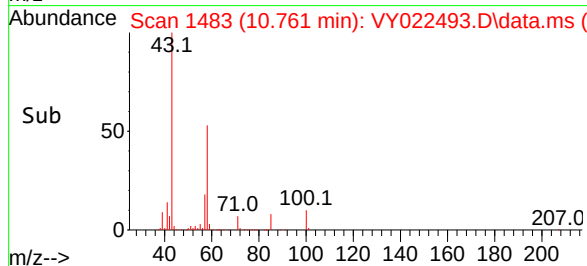
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 12281
Ion Ratio Lower Upper
43 100
58 53.8 27.3 81.8

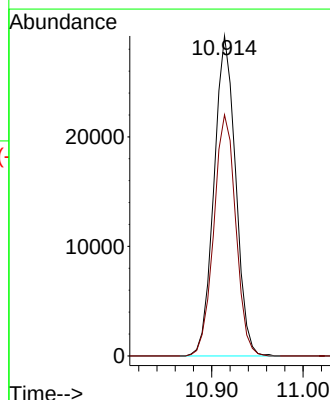
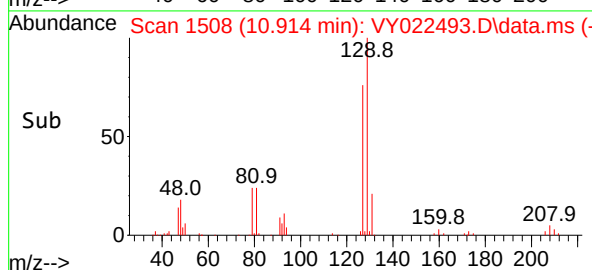
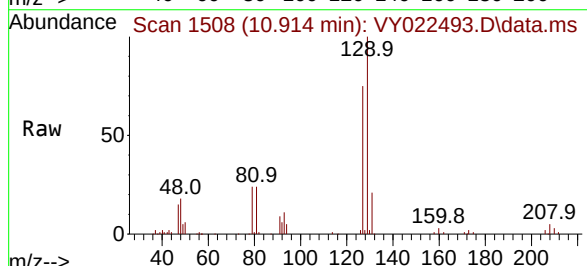
Manual Integrations
APPROVED

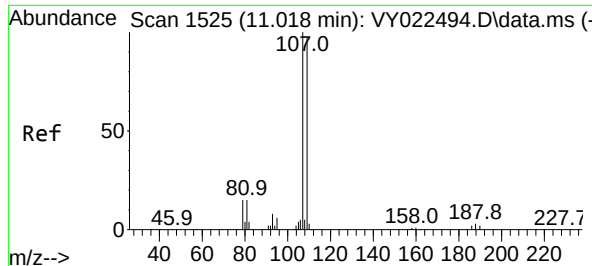
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

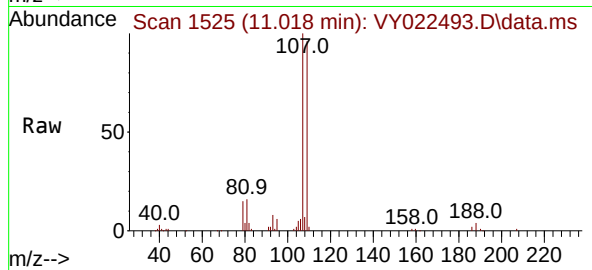
Tgt Ion:129 Resp: 47952
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2





#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

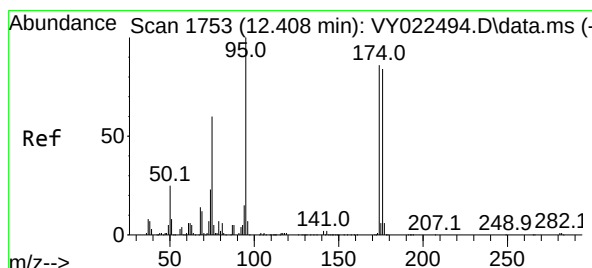
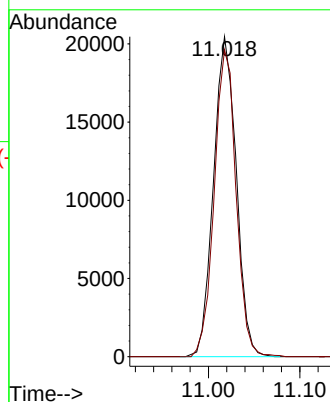
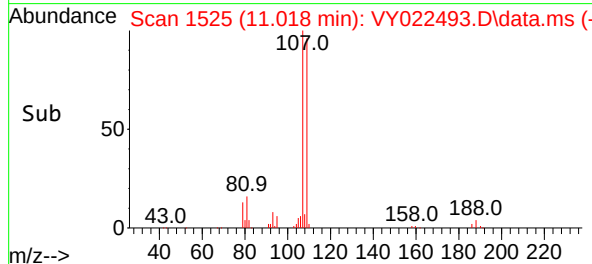
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 107 Resp: 35324
Ion Ratio Lower Upper
107 100
109 92.4 77.7 116.5

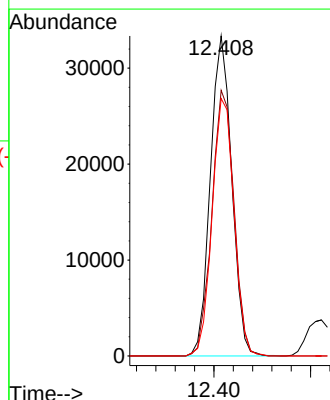
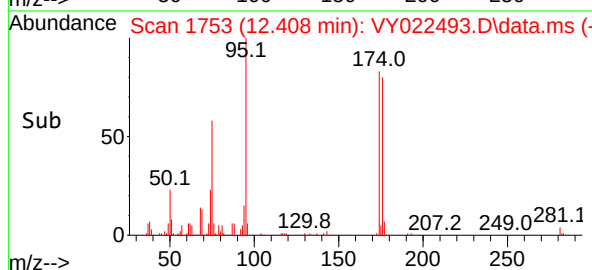
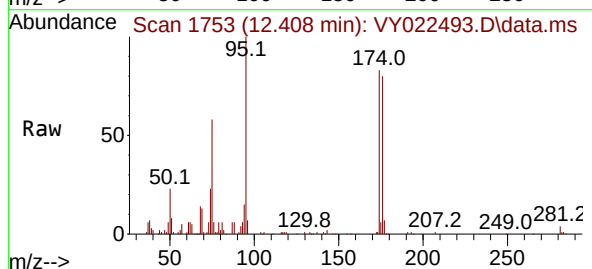
Manual Integrations
APPROVED

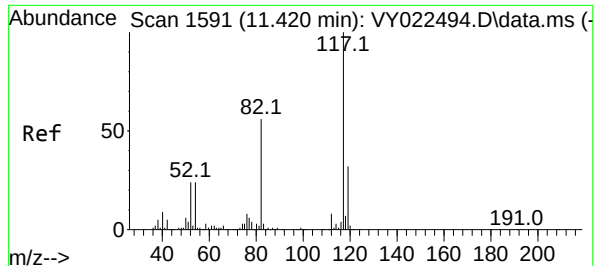
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

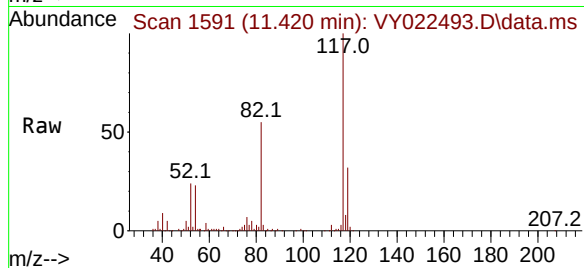
Tgt Ion: 95 Resp: 51231
Ion Ratio Lower Upper
95 100
174 85.7 0.0 170.0
176 82.3 0.0 166.2





#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

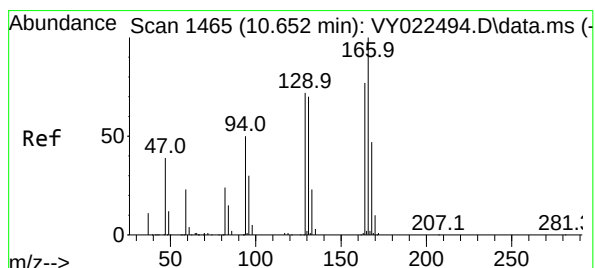
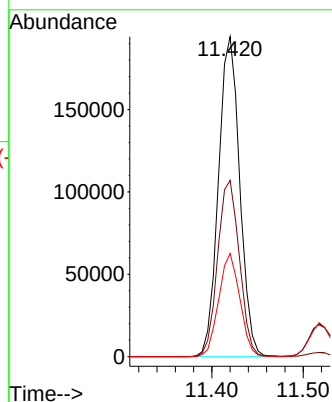
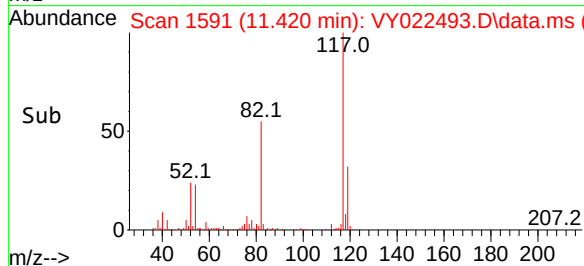
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

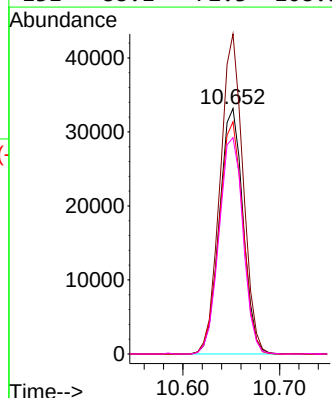
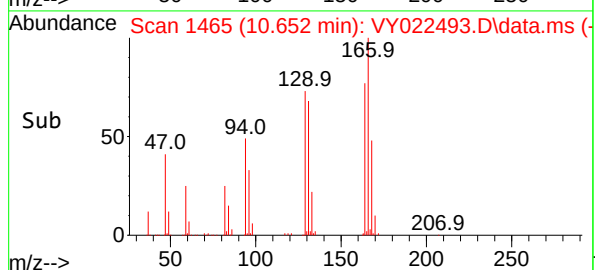
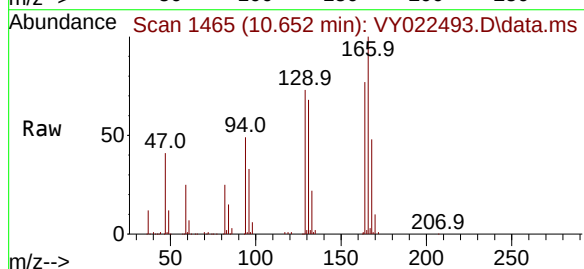
Manual Integrations
APPROVED

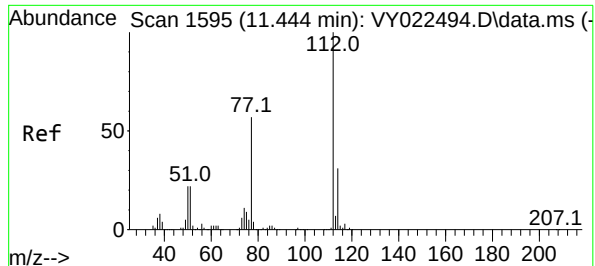
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

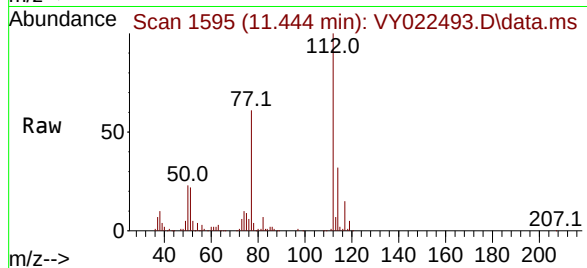
Tgt Ion:164 Resp: 56256
Ion Ratio Lower Upper
164 100
166 130.3 104.0 156.0
129 94.6 74.5 111.7
131 88.1 72.3 108.5





#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

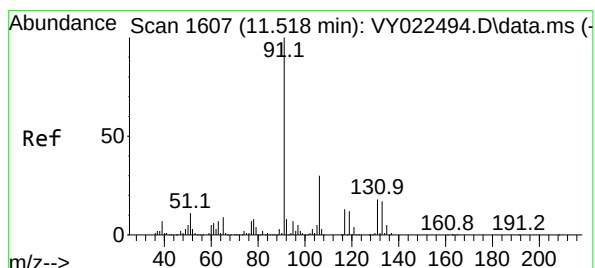
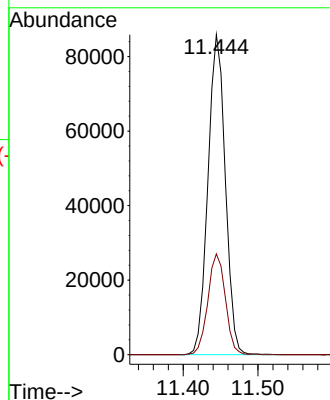
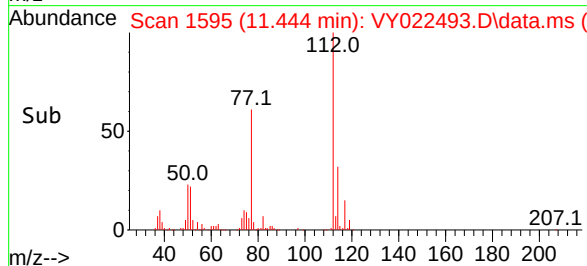
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:112 Resp: 13858
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6

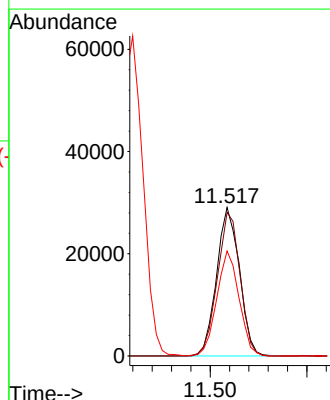
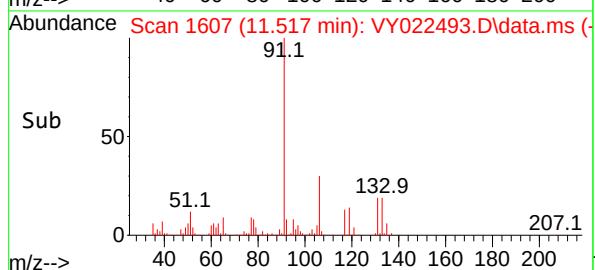
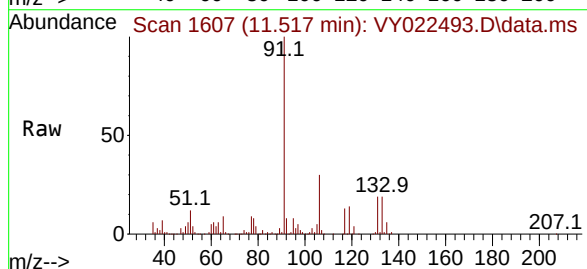
Manual Integrations
APPROVED

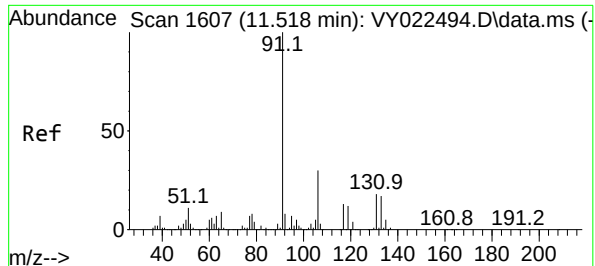
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





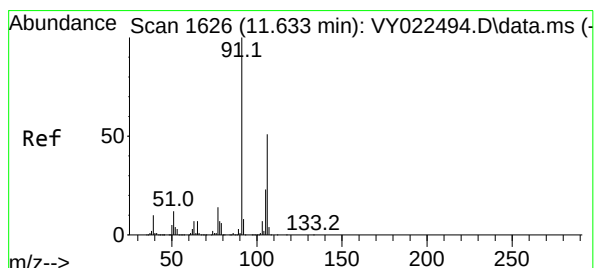
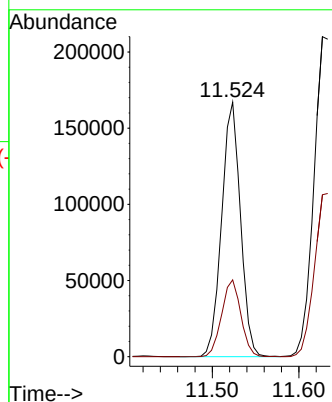
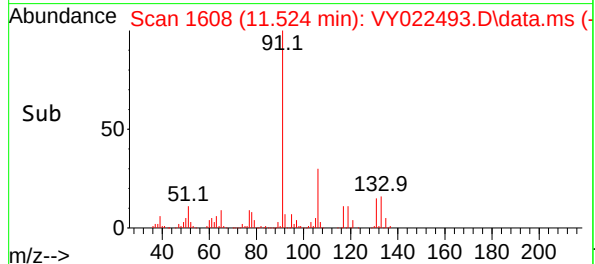
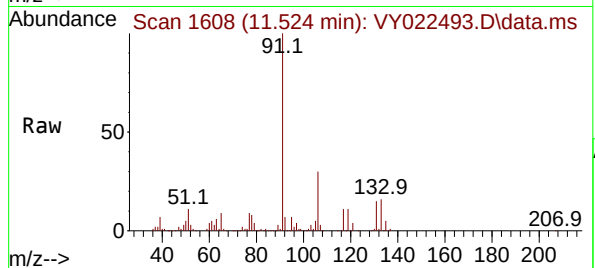
#67
Ethyl Benzene
Concen: 19.871 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 252180
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.4

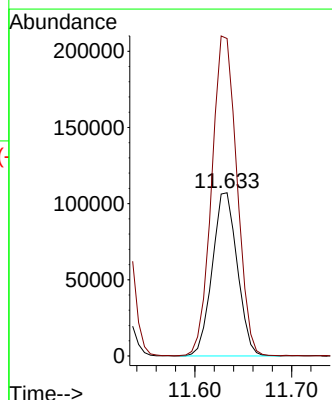
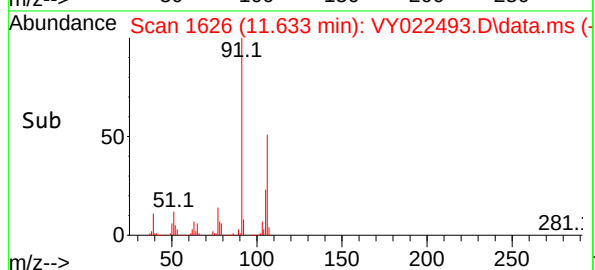
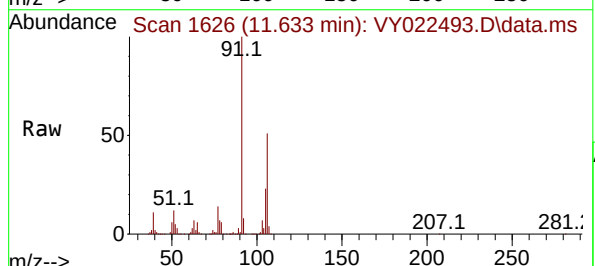
Manual Integrations
APPROVED

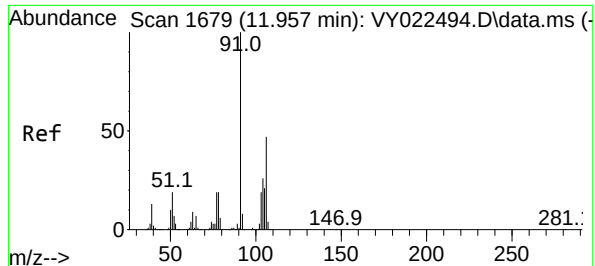
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

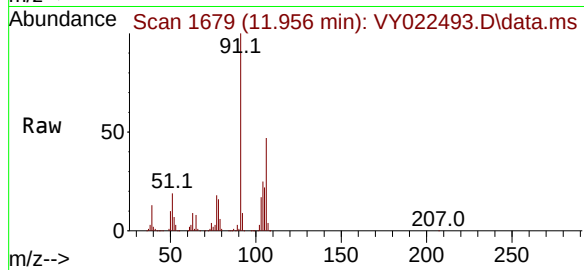
Tgt Ion:106 Resp: 192372
Ion Ratio Lower Upper
106 100
91 197.2 159.4 239.0





#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

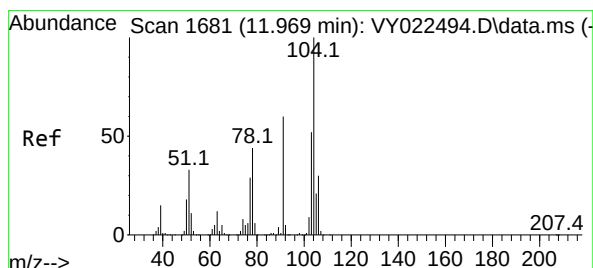
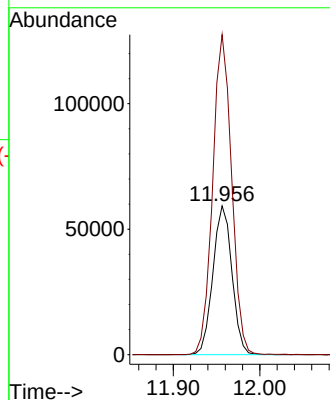
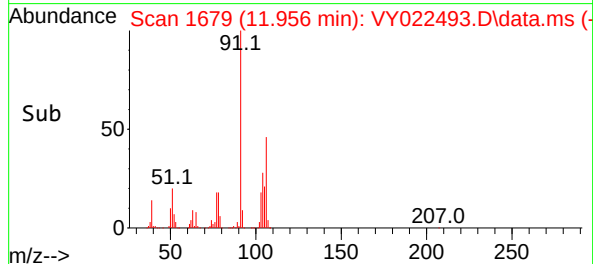
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:106 Resp: 90598
Ion Ratio Lower Upper
106 100
91 214.1 105.8 317.3

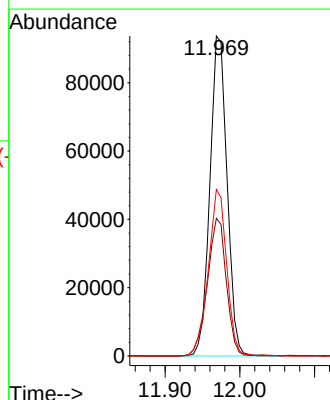
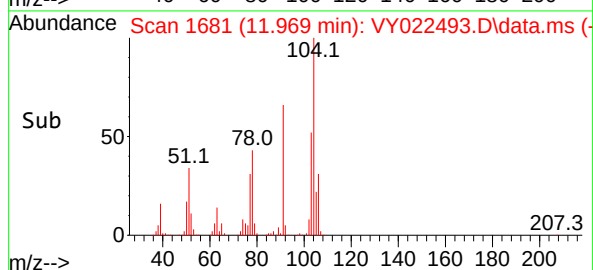
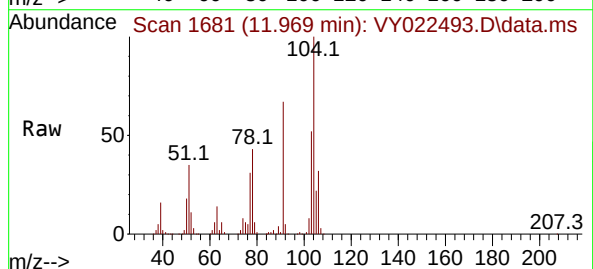
Manual Integrations
APPROVED

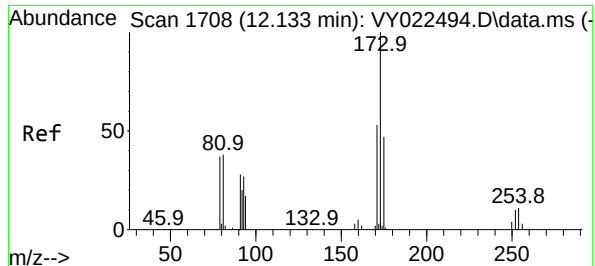
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

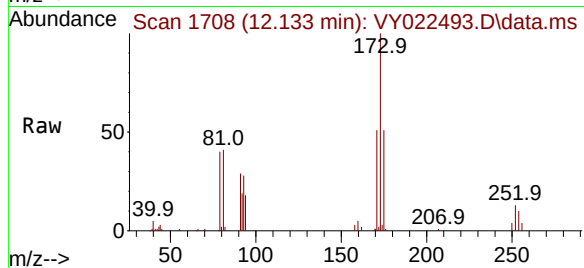
Tgt Ion:104 Resp: 149486
Ion Ratio Lower Upper
104 100
78 47.5 39.5 59.3
103 55.4 44.1 66.1





#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

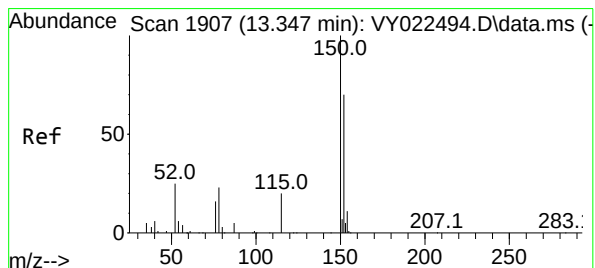
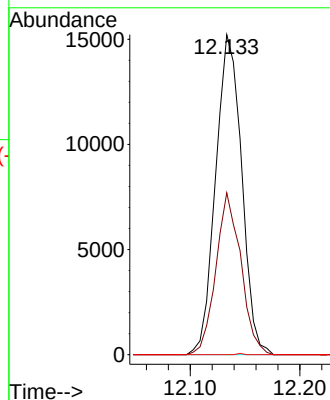
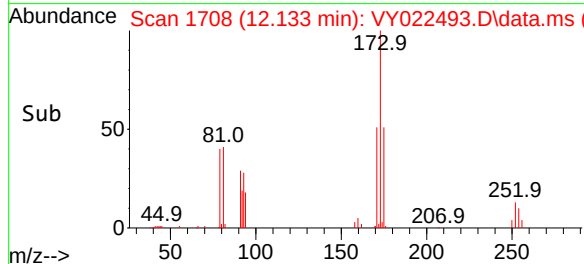
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

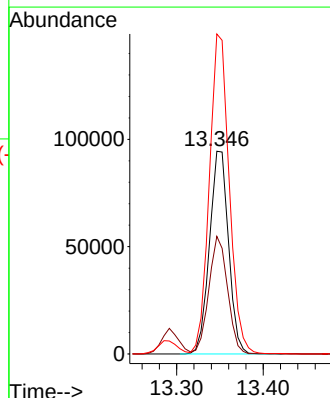
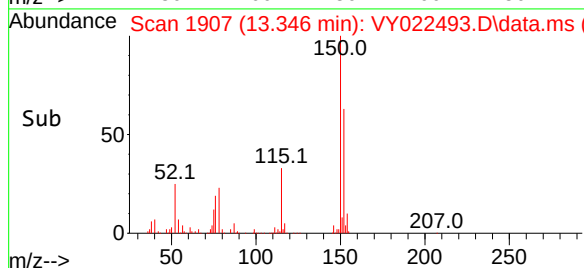
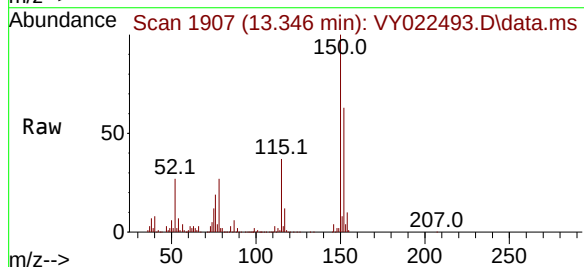
Manual Integrations
APPROVED

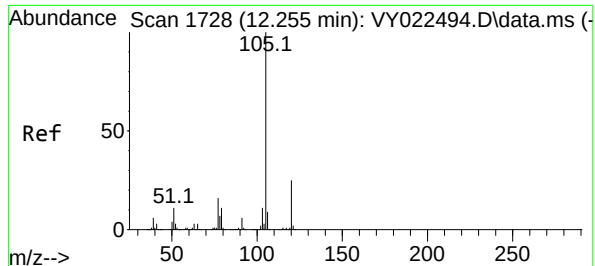
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

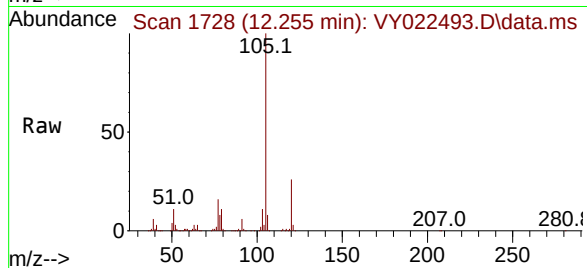
Tgt Ion:152 Resp: 144385
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.7
150 164.8 0.0 349.6





#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

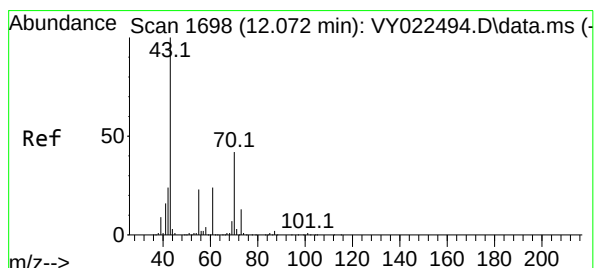
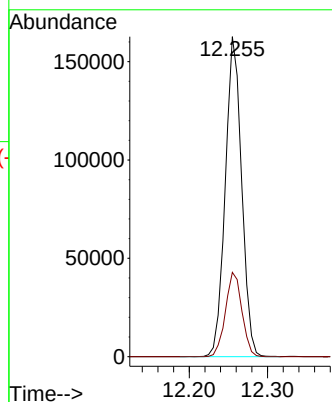
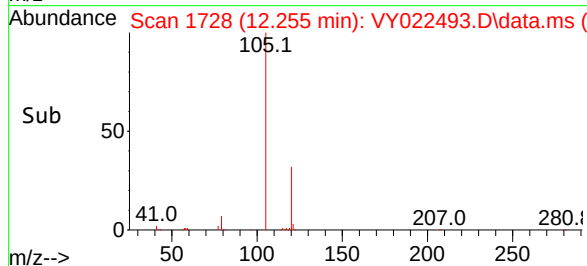
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 236185
Ion Ratio Lower Upper
105 100
120 26.5 13.0 38.9

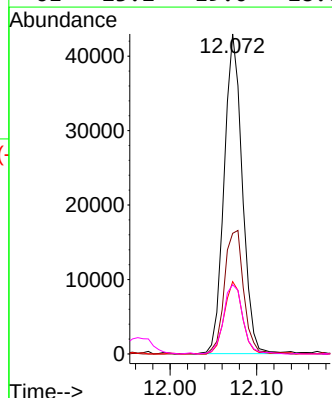
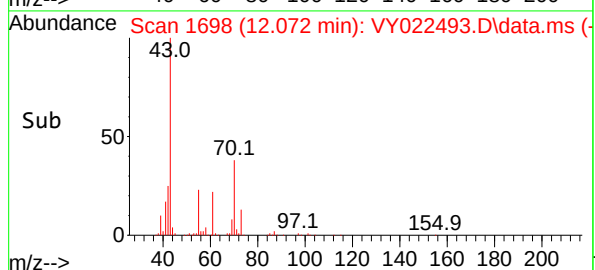
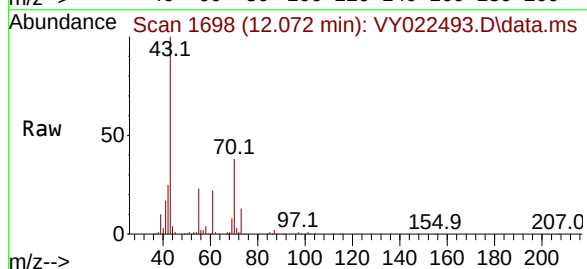
Manual Integrations
APPROVED

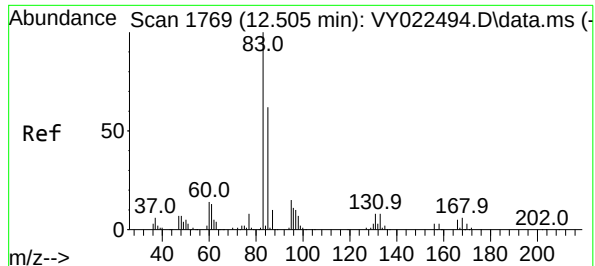
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





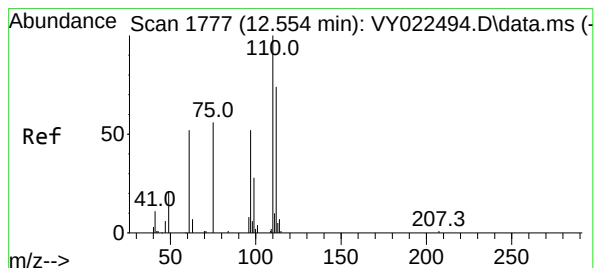
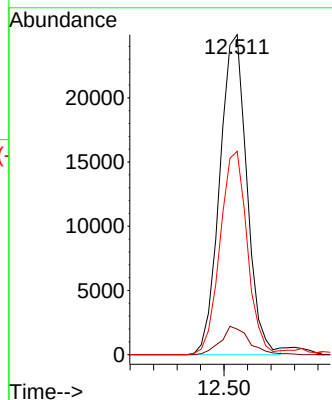
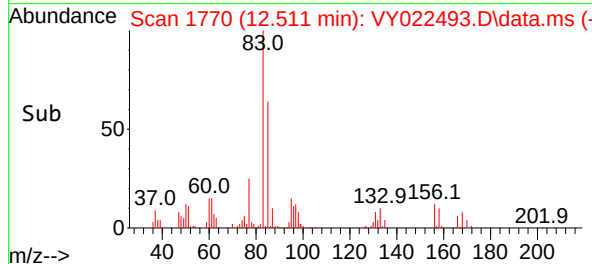
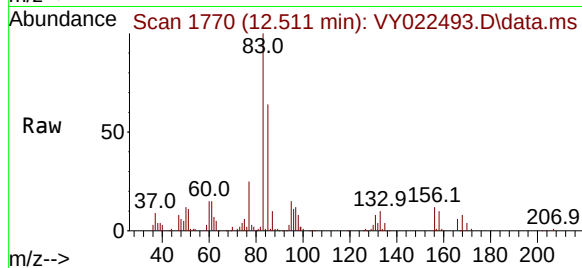
#75
1,1,2,2-Tetrachloroethane
Concen: 21.165 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

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

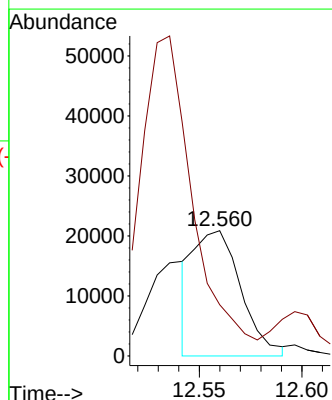
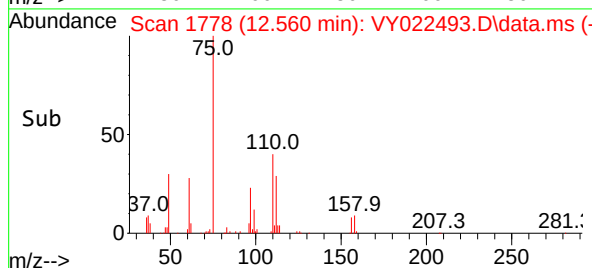
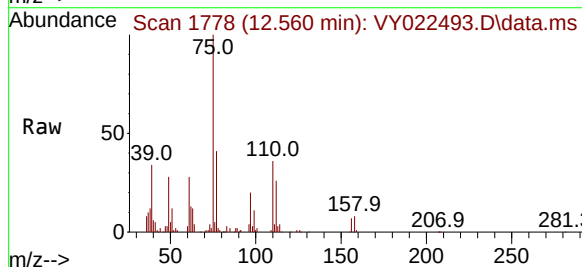
Manual Integrations
APPROVED

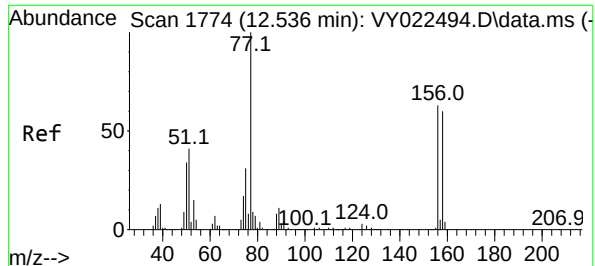
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

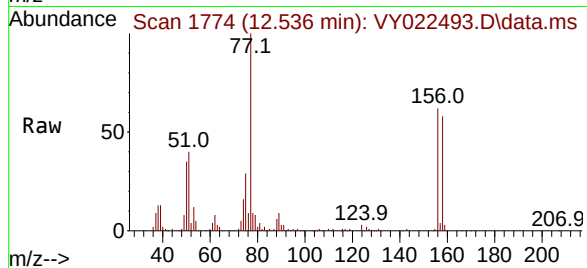
Tgt Ion: 75 Resp: 33589
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#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

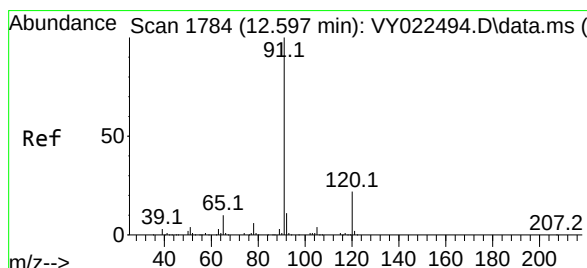
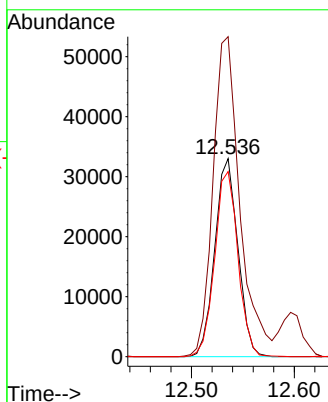
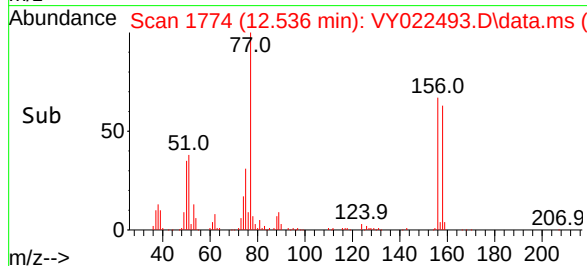
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

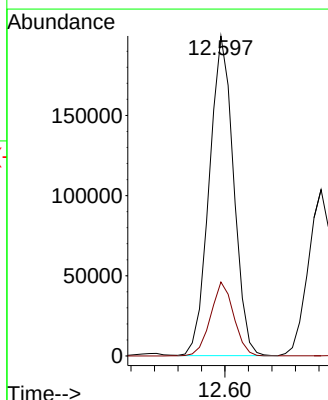
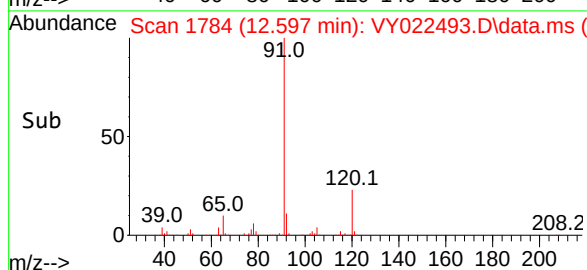
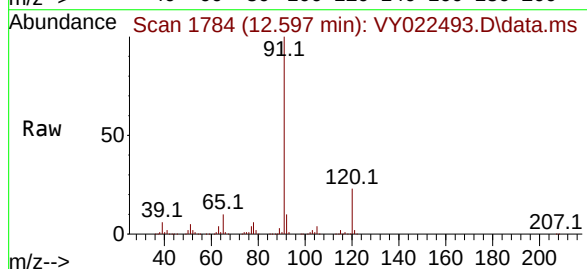
Manual Integrations
APPROVED

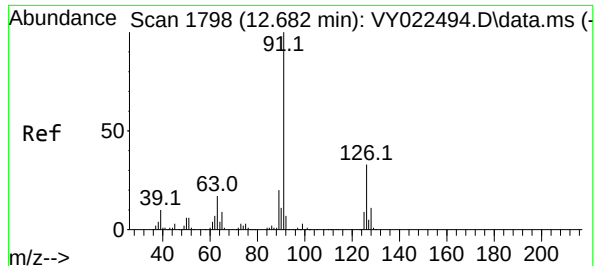
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





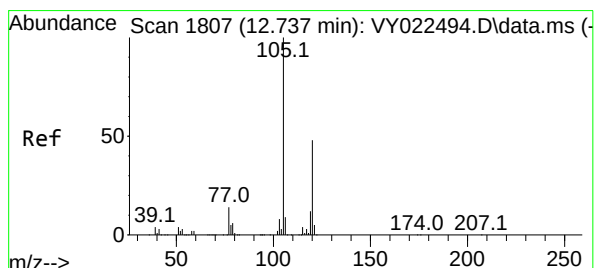
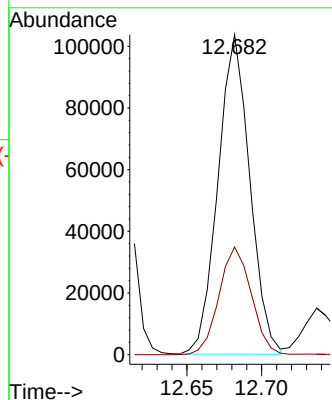
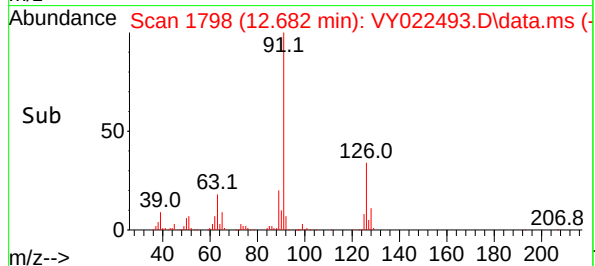
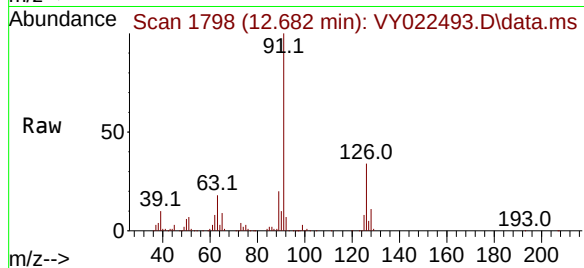
#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 153250
Ion Ratio Lower Upper
91 100
126 34.2 17.0 51.0

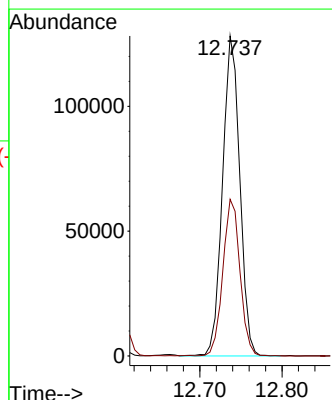
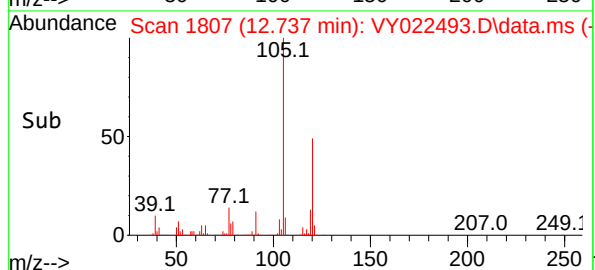
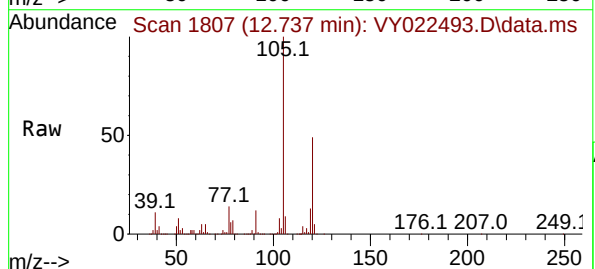
Manual Integrations
APPROVED

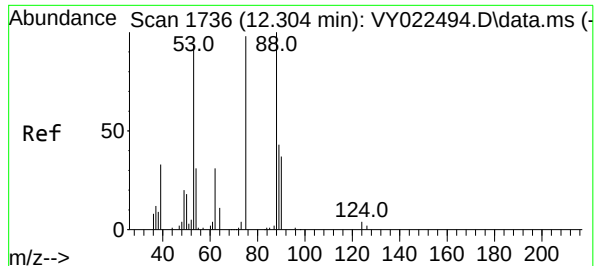
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

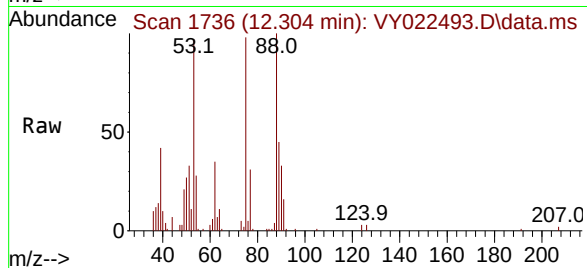
Tgt Ion:105 Resp: 187101
Ion Ratio Lower Upper
105 100
120 48.7 24.1 72.4





#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

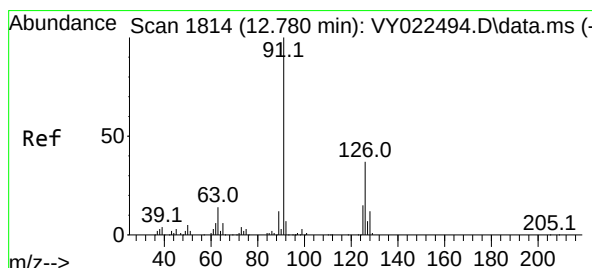
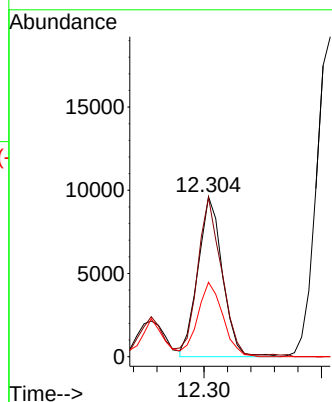
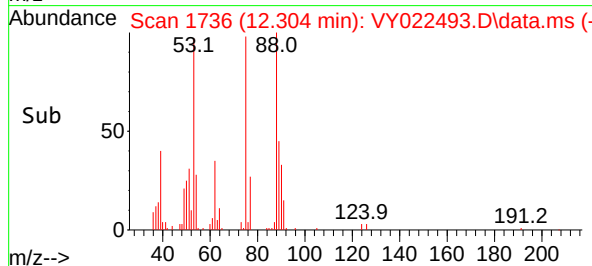
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

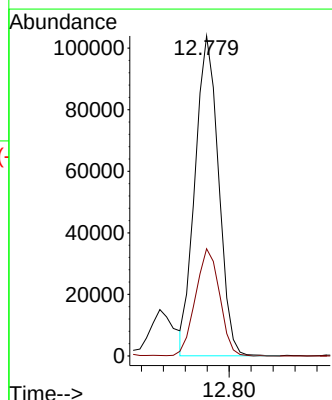
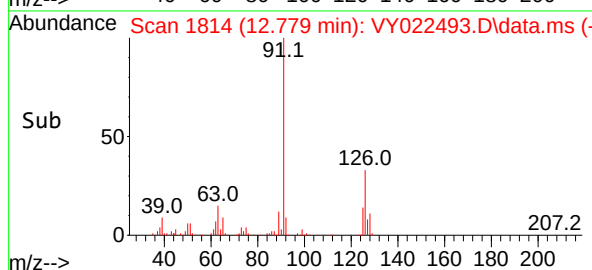
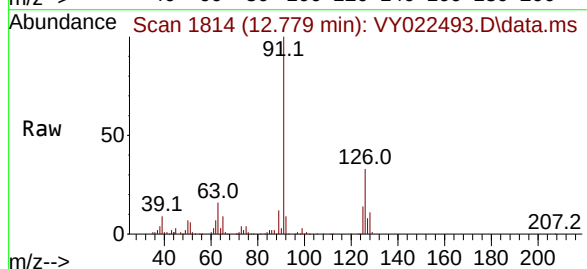
Manual Integrations
APPROVED

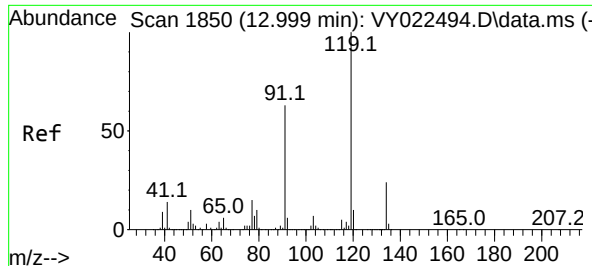
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





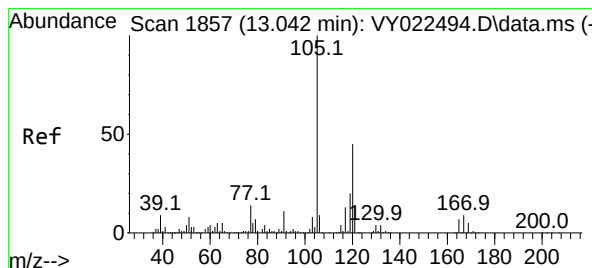
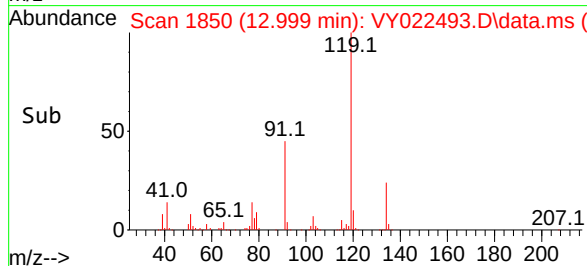
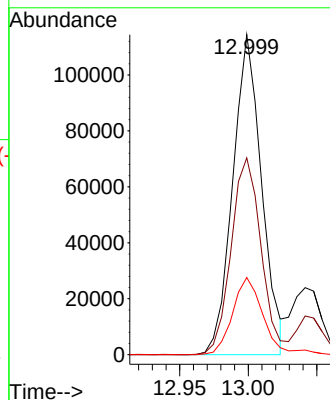
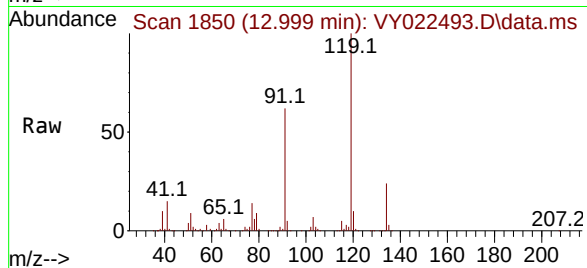
#83
tert-Butylbenzene
Concen: 20.188 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

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

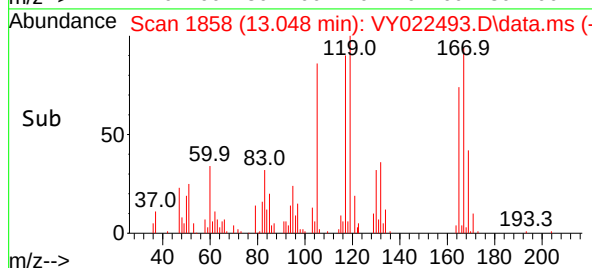
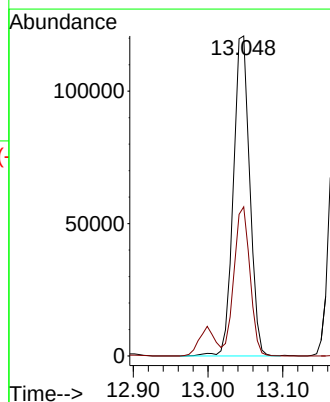
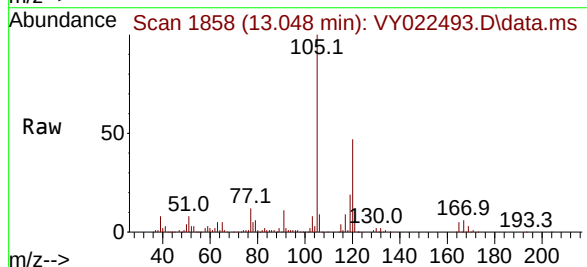
Manual Integrations
APPROVED

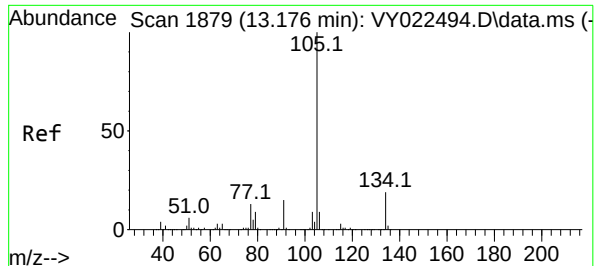
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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 :

VSTDIC020

Tgt Ion:105 Resp: 251350

Ion Ratio Lower Upper

105 100

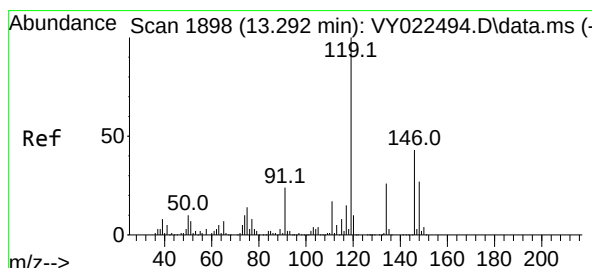
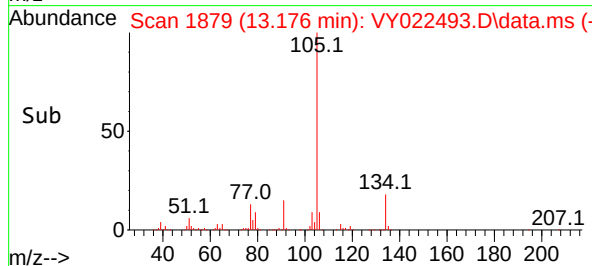
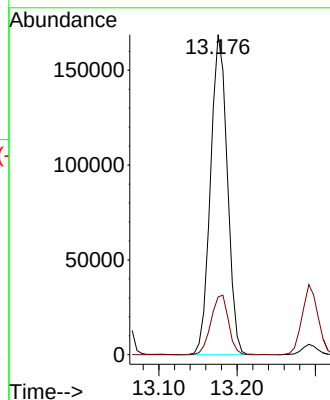
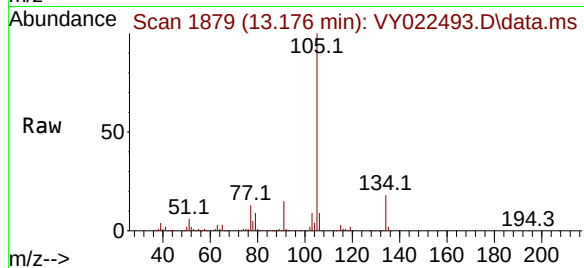
134 19.3 9.7 28.9

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

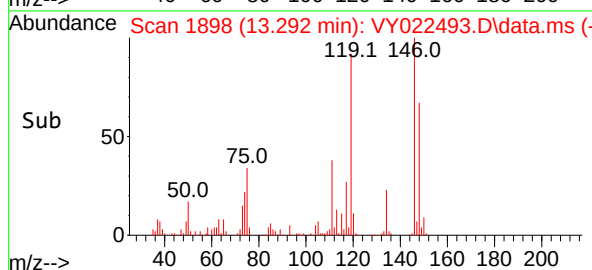
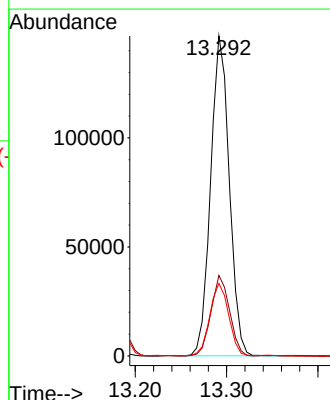
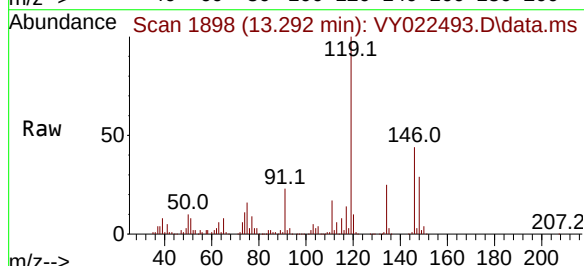
Tgt Ion:119 Resp: 207417

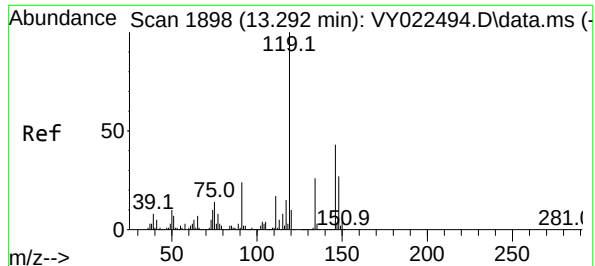
Ion Ratio Lower Upper

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 :

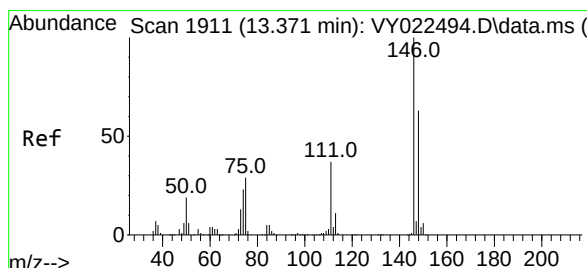
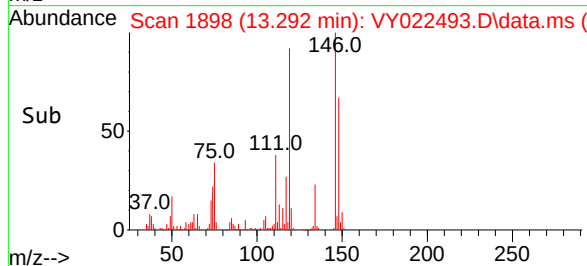
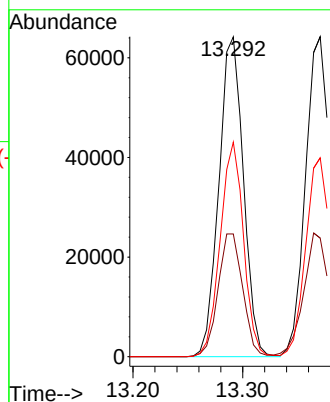
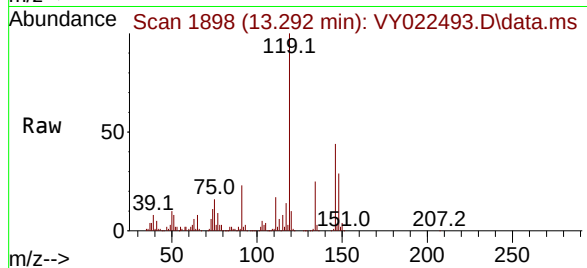
VSTDIC020

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

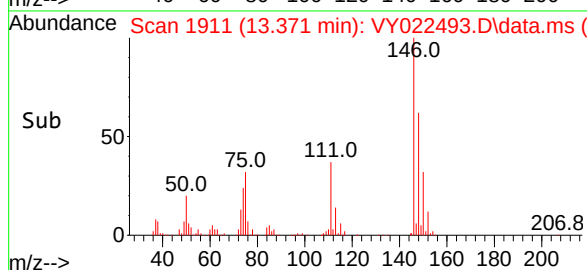
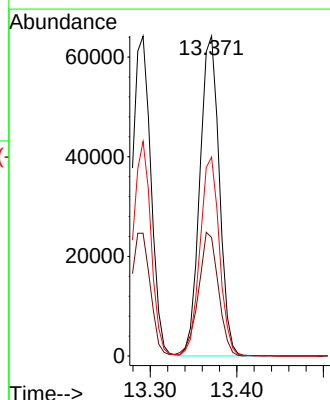
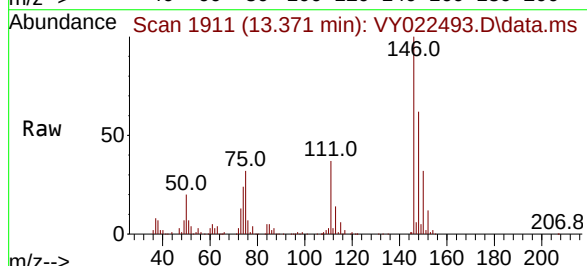
RT: 13.371 min Scan# 1911

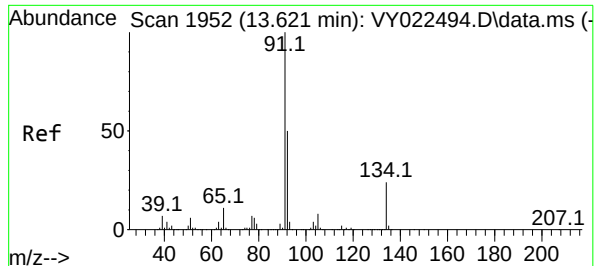
Delta R.T. -0.000 min

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 :

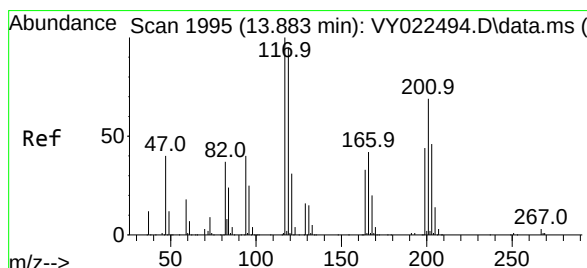
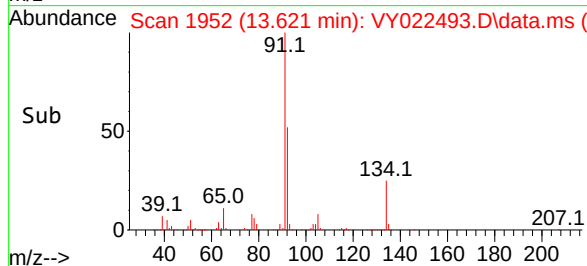
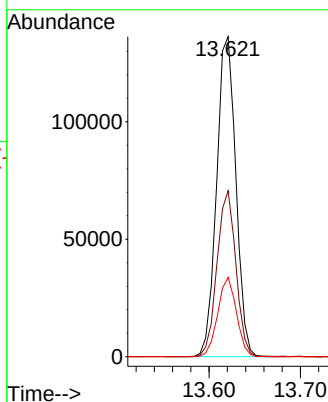
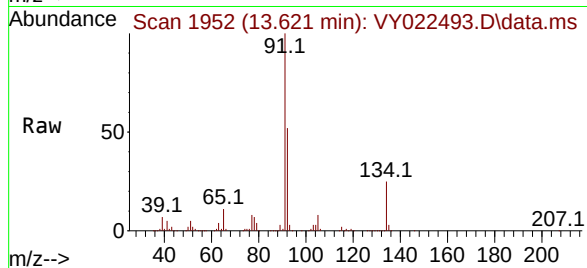
VSTDICC020

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

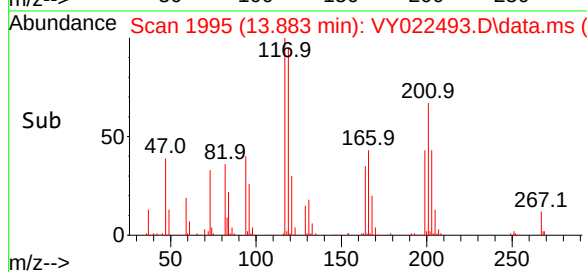
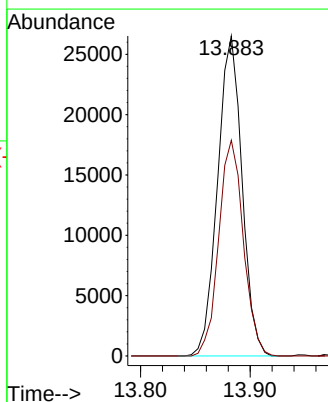
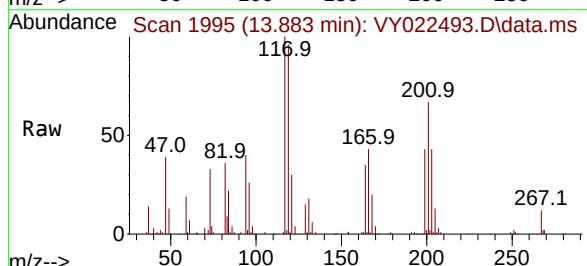
RT: 13.883 min Scan# 1995

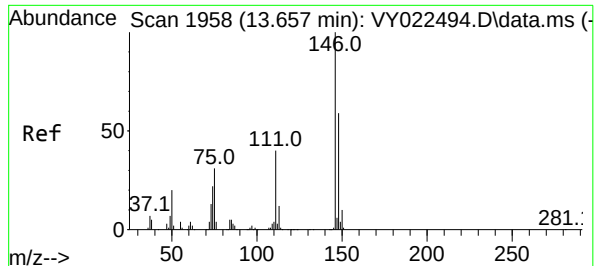
Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

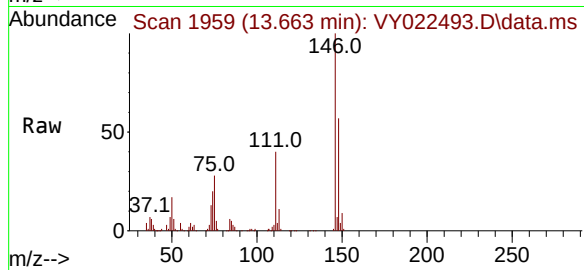
Tgt Ion:	117	Resp:	41119
Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.0	102.0





#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

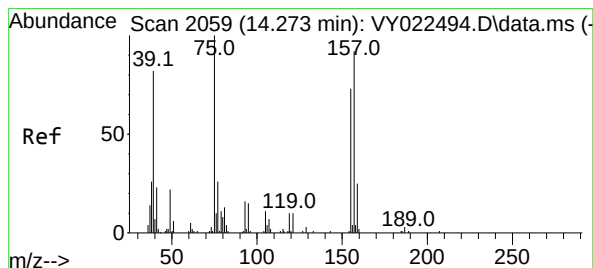
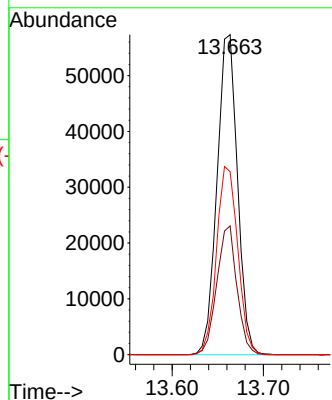
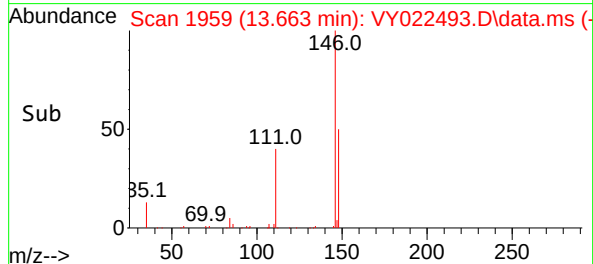
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

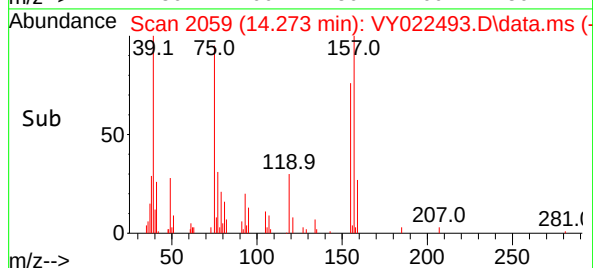
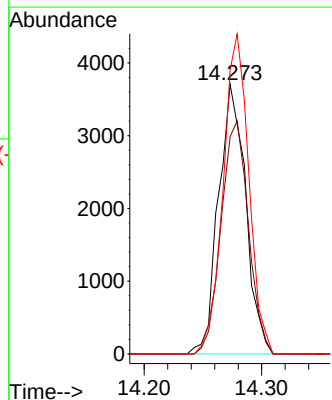
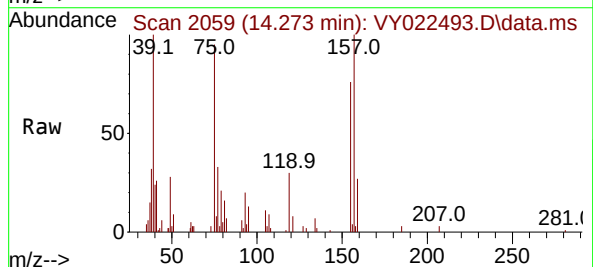
Manual Integrations
APPROVED

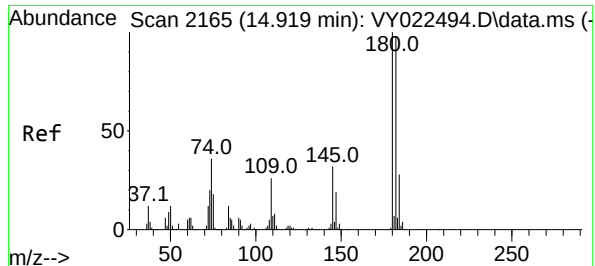
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

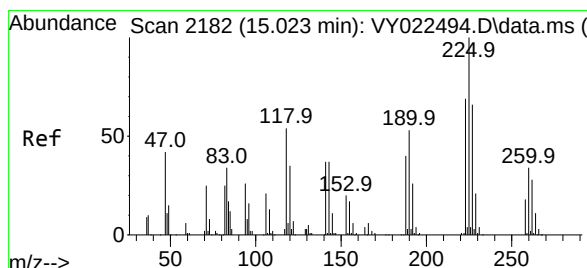
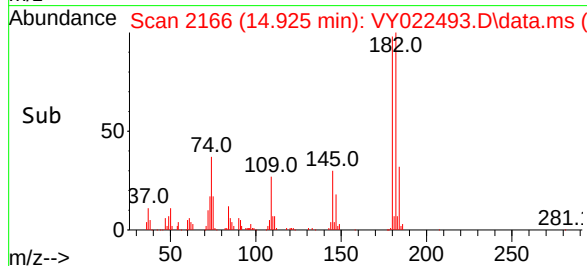
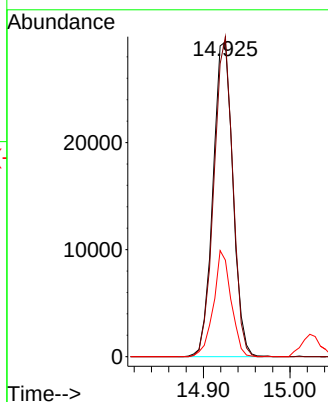
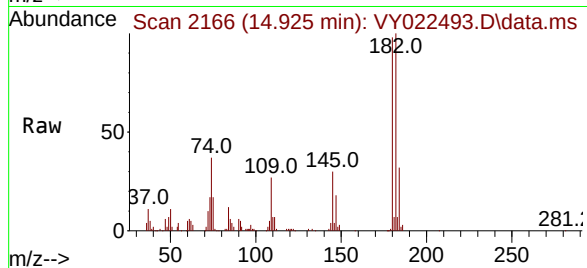
145 29.8 15.5 46.5

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

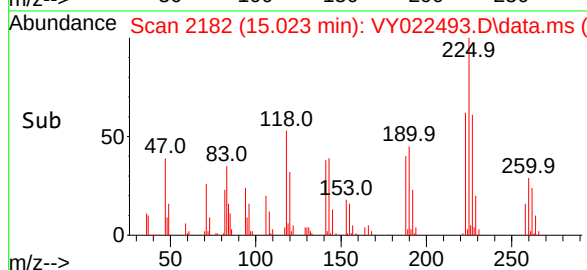
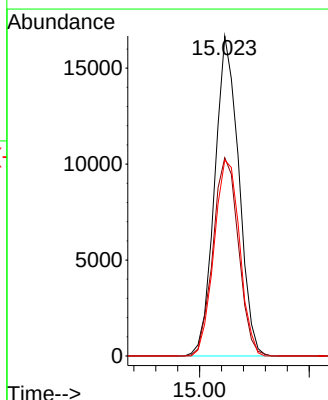
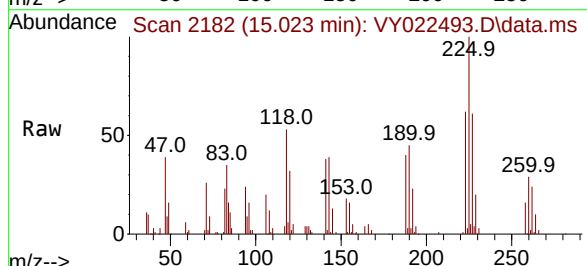
Tgt Ion:225 Resp: 25462

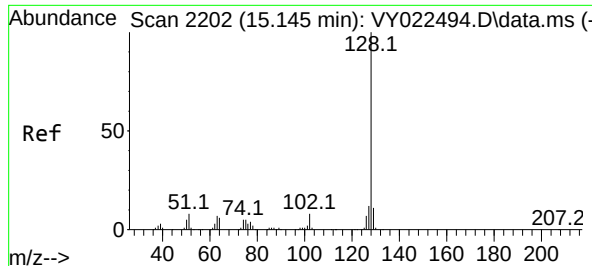
Ion Ratio Lower Upper

225 100

223 65.4 32.5 97.4

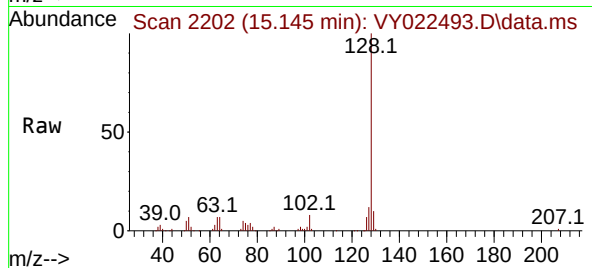
227 65.0 32.3 96.9





#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

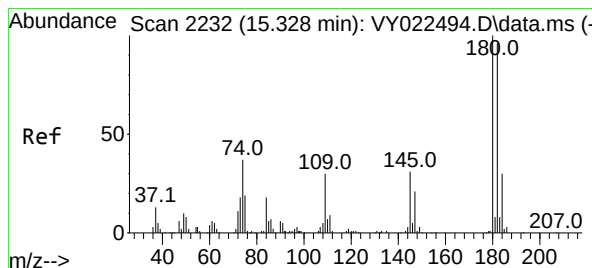
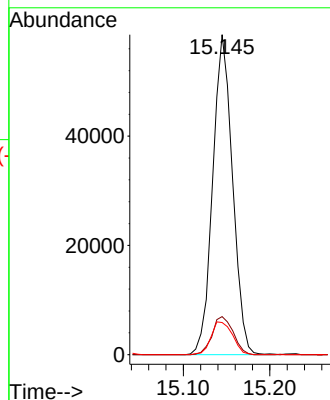
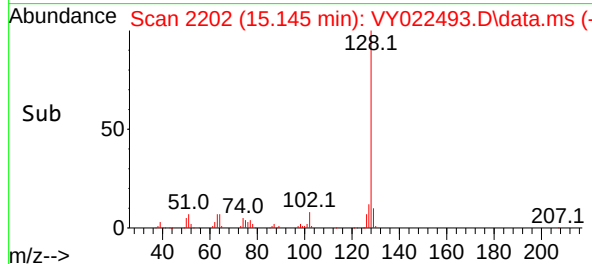
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

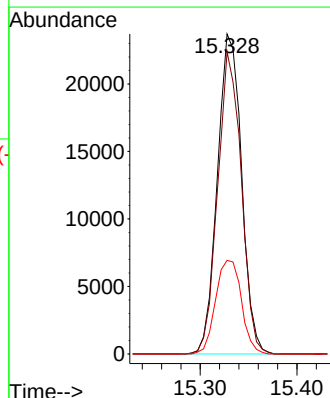
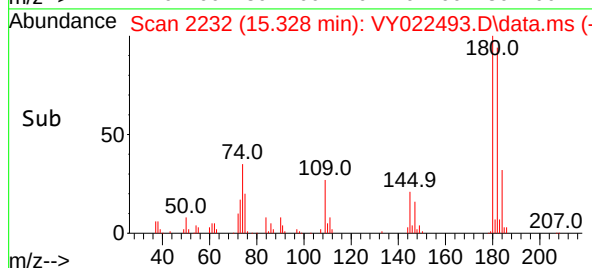
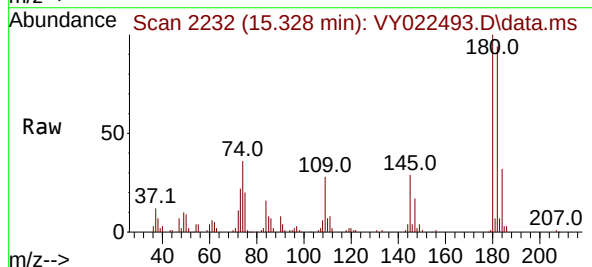
Manual Integrations
APPROVED

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

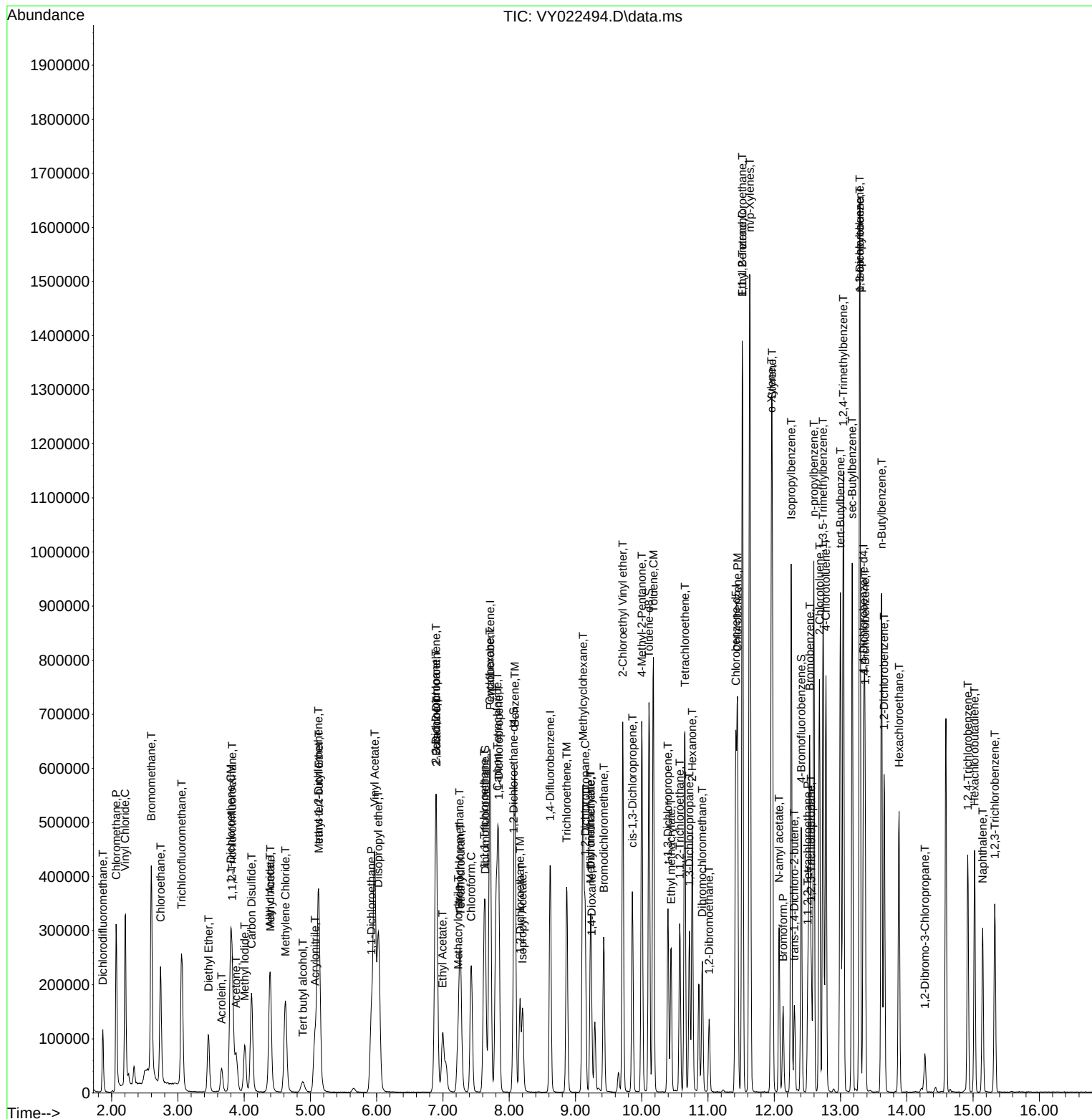
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Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

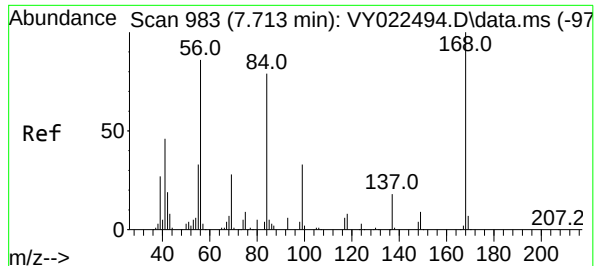
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

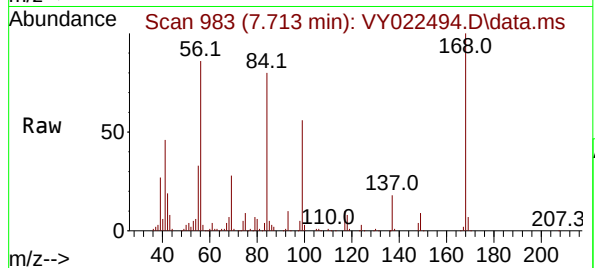
Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration





#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

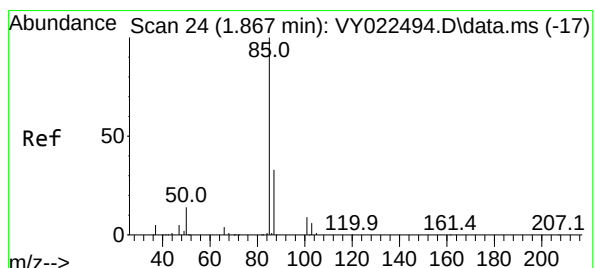
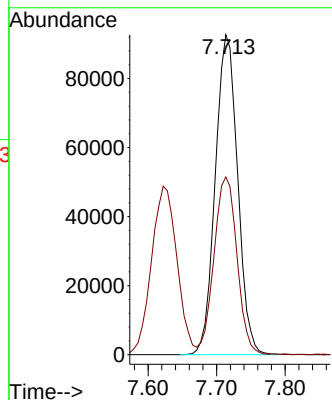
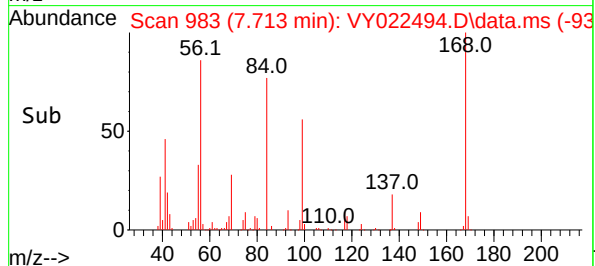
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 20996
Ion Ratio Lower Upper
168 100
99 55.4 44.3 66.5

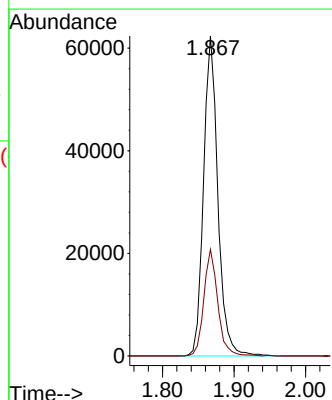
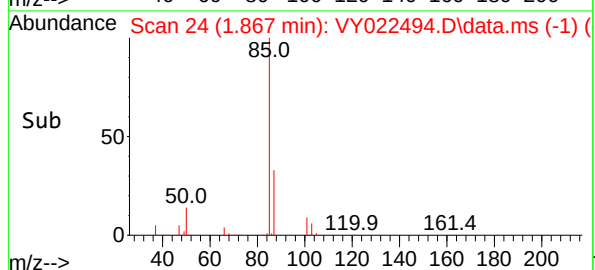
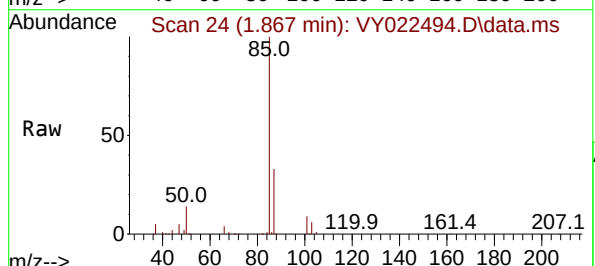
Manual Integrations
APPROVED

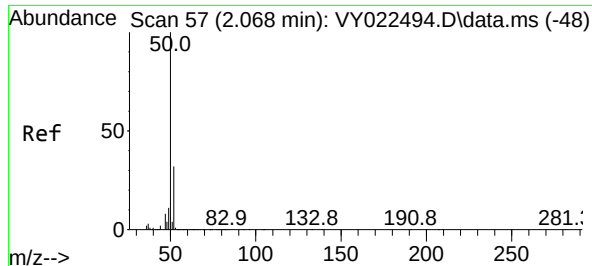
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

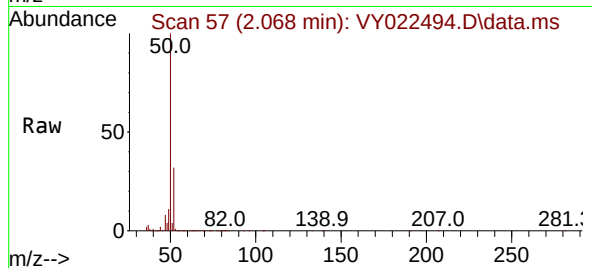
Tgt Ion: 85 Resp: 86654
Ion Ratio Lower Upper
85 100
87 33.3 16.7 50.0





#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

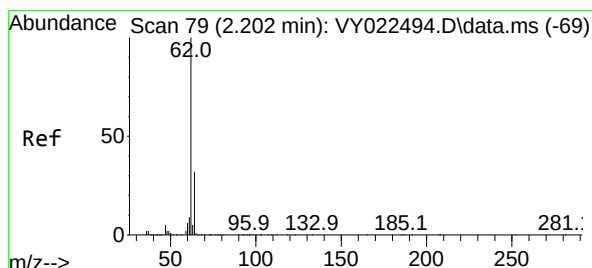
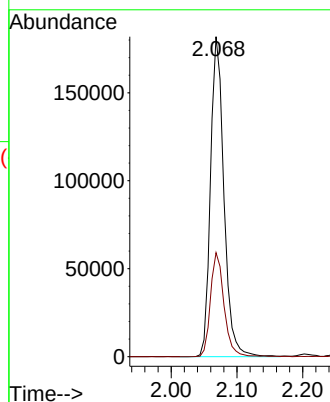
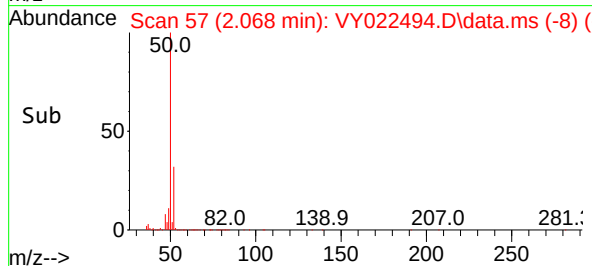
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



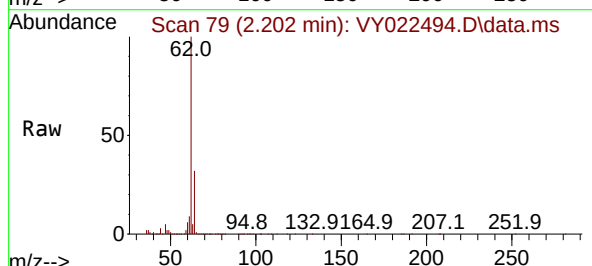
Tgt Ion: 50 Resp: 258324
Ion Ratio Lower Upper
50 100
52 32.5 26.0 39.0

Manual Integrations
APPROVED

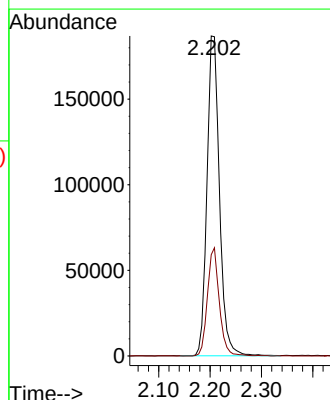
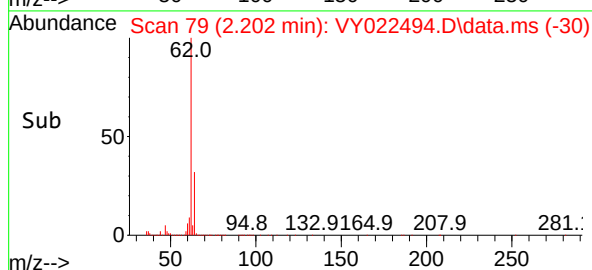
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

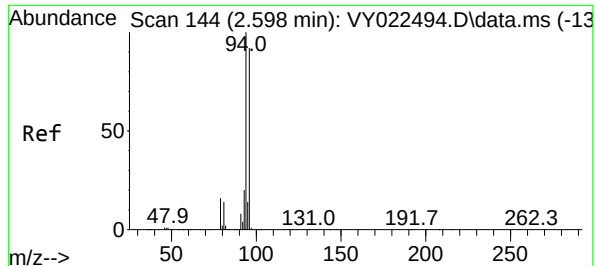


#4
Vinyl Chloride
Concen: 49.618 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



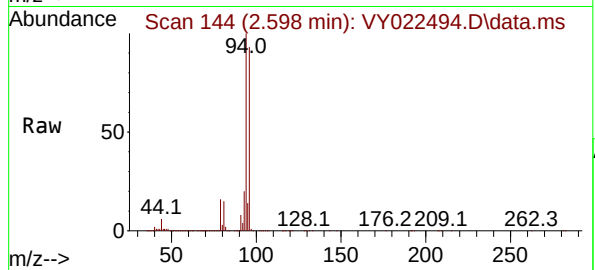
Tgt Ion: 62 Resp: 314332
Ion Ratio Lower Upper
62 100
64 31.6 25.3 37.9





#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

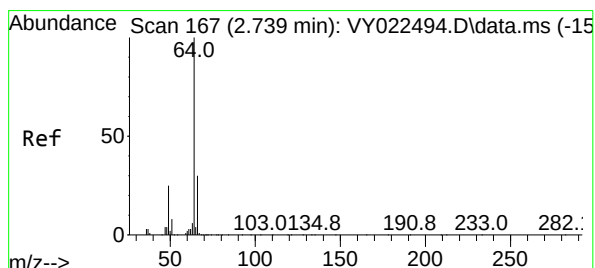
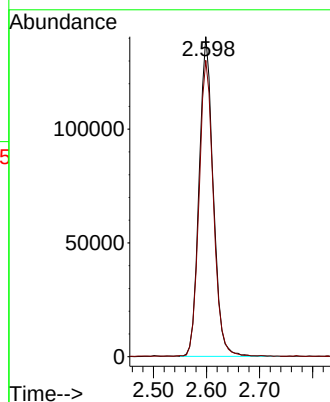
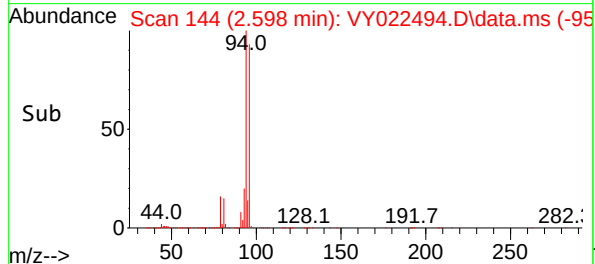
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 94 Resp: 260442
Ion Ratio Lower Upper
94 100
96 92.5 74.0 111.0

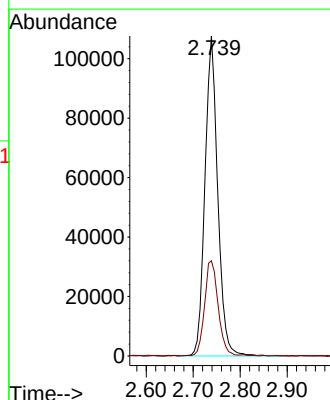
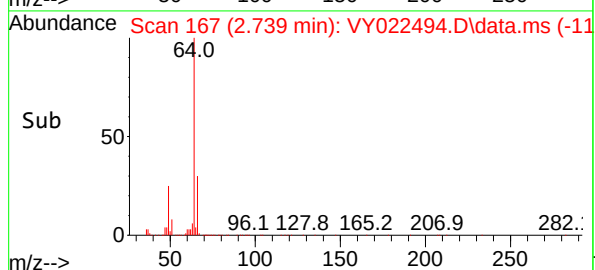
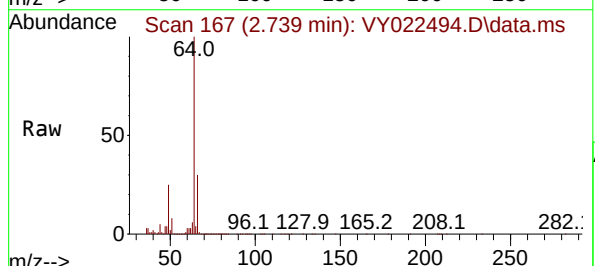
Manual Integrations
APPROVED

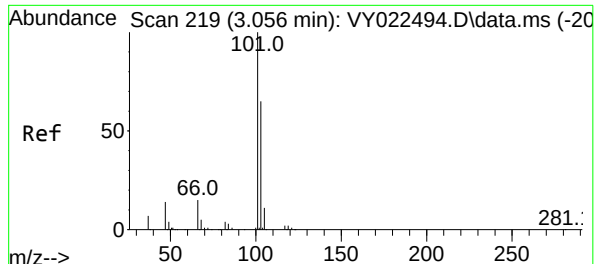
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

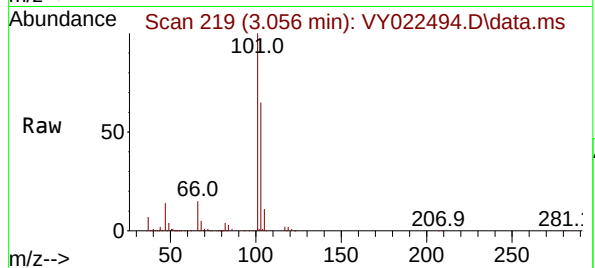
Tgt Ion: 64 Resp: 202595
Ion Ratio Lower Upper
64 100
66 29.7 23.8 35.6





#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

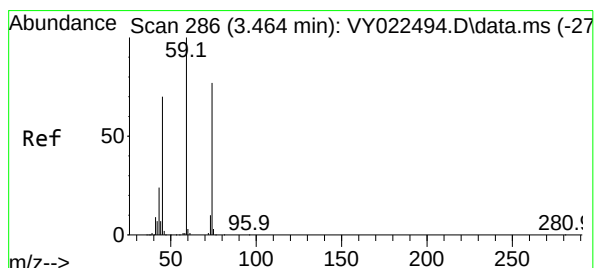
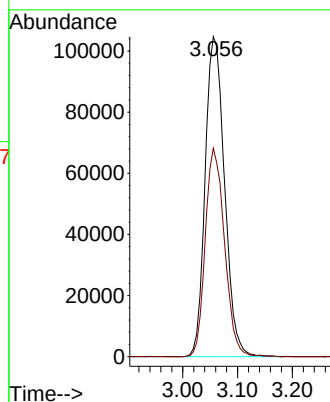
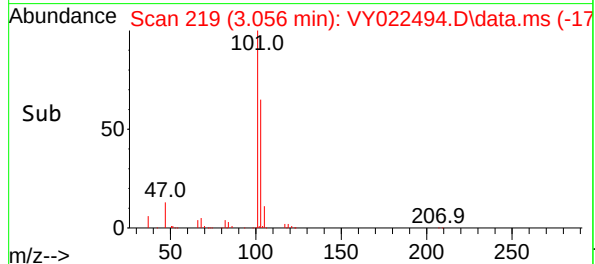
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



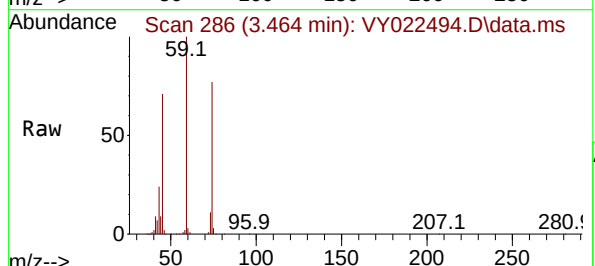
Tgt Ion:101 Resp: 257000
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.2

Manual Integrations
APPROVED

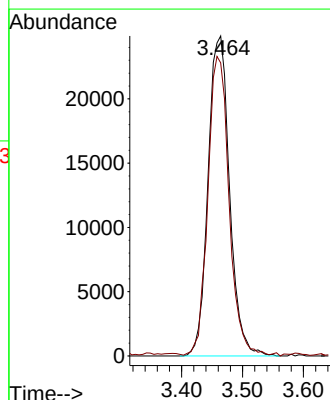
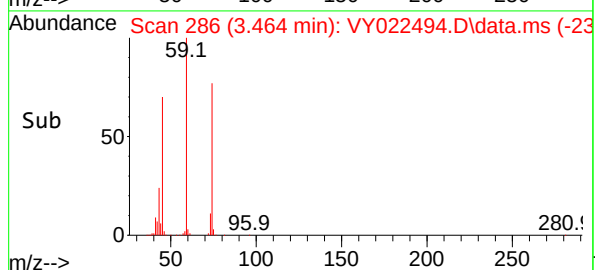
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

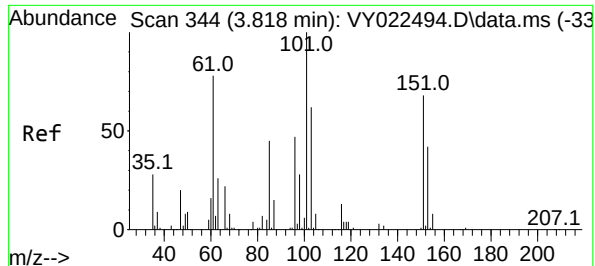


#8
Diethyl Ether
Concen: 51.349 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



Tgt Ion: 74 Resp: 61045
Ion Ratio Lower Upper
74 100
45 91.7 45.9 137.6





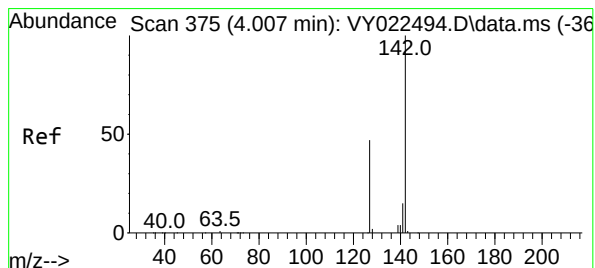
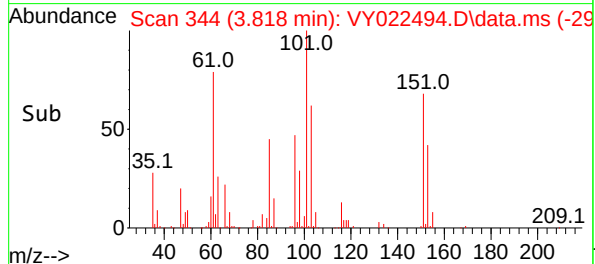
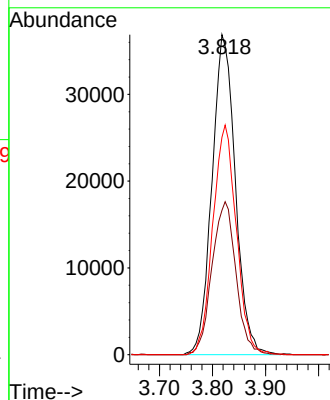
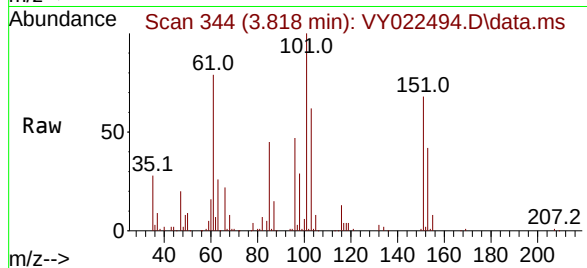
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.009 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

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

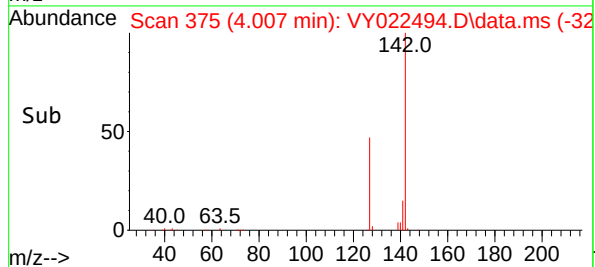
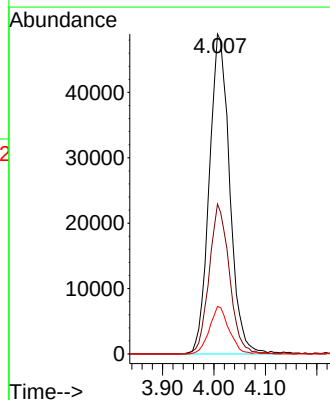
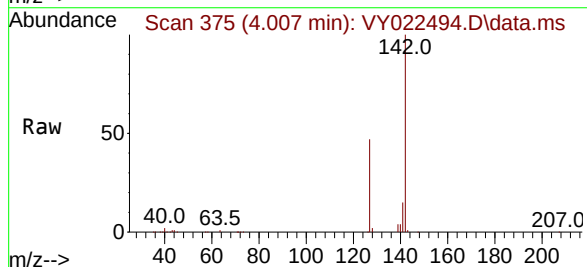
Manual Integrations
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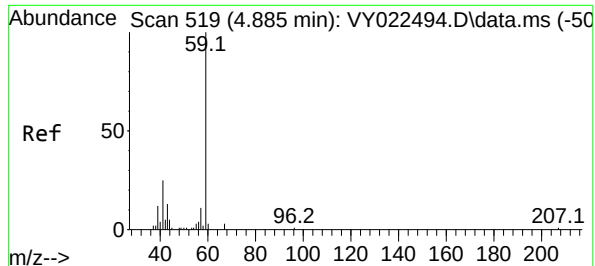
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

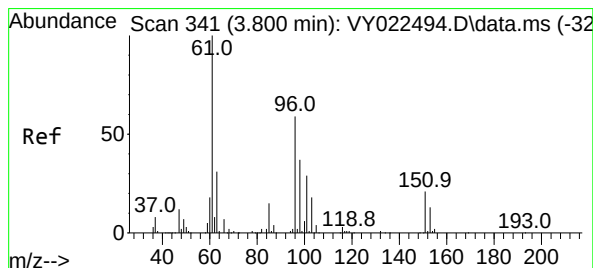
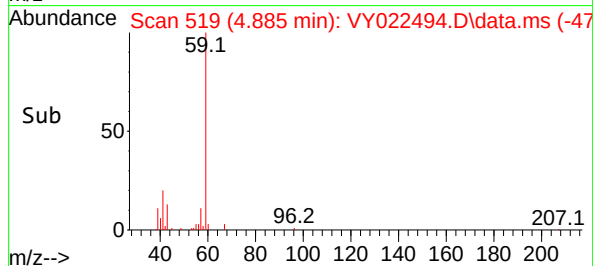
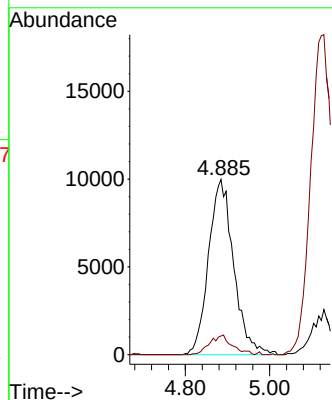
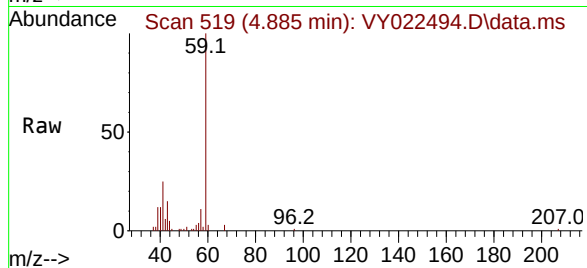
57 10.0 8.0 12.0

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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

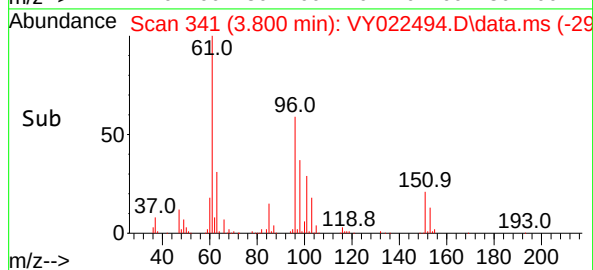
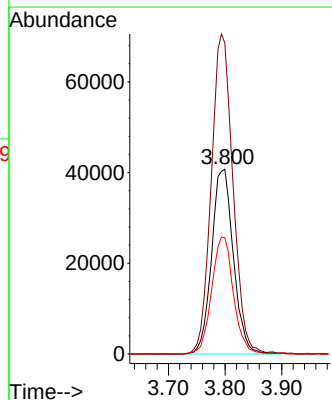
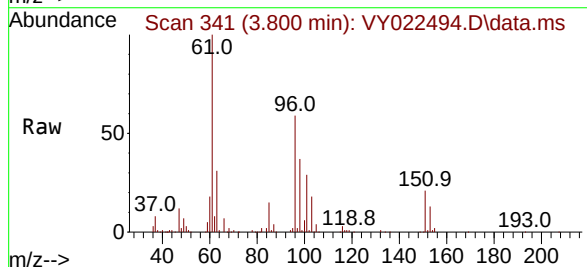
Tgt Ion: 96 Resp: 108756

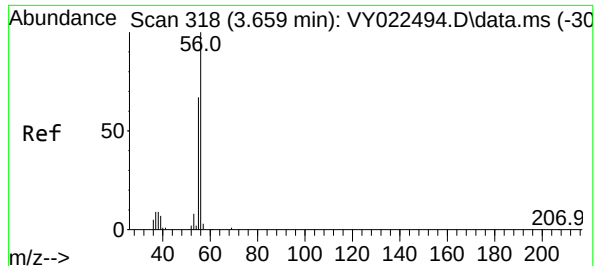
Ion Ratio Lower Upper

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

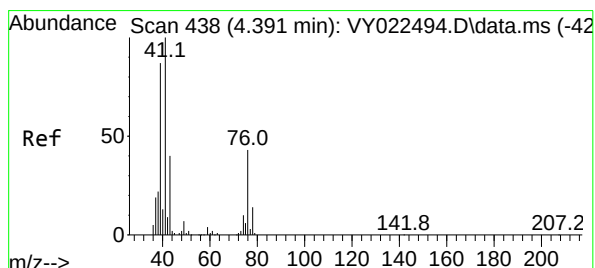
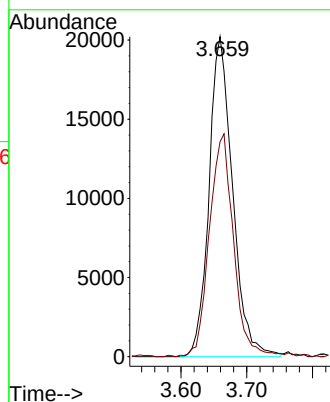
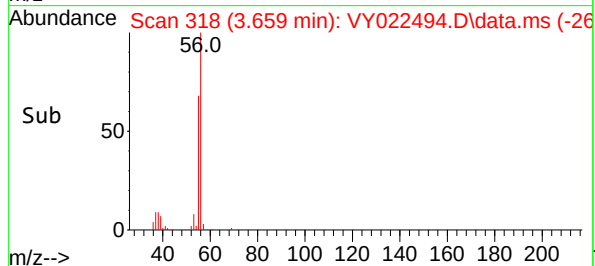
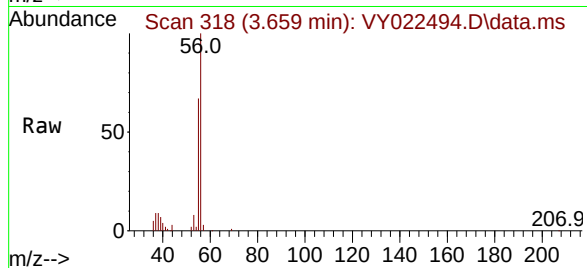
56 100

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

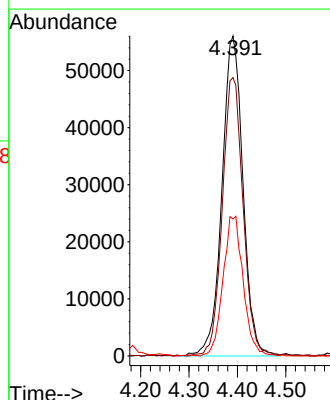
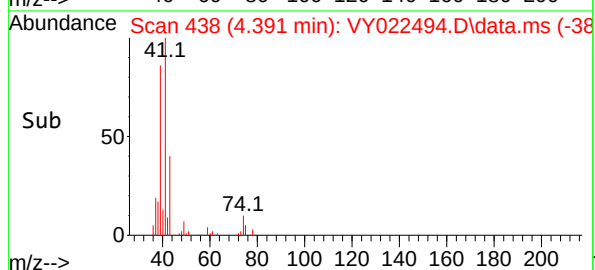
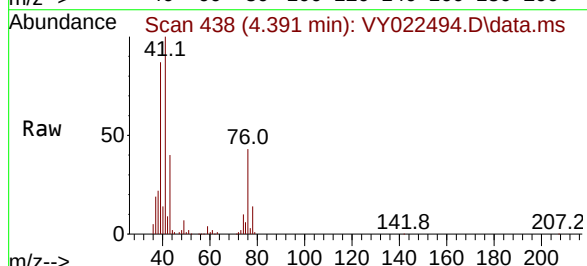
Tgt Ion: 41 Resp: 169258

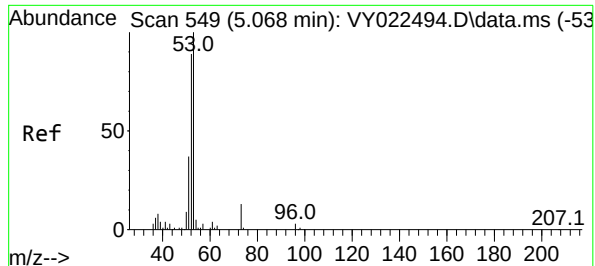
Ion Ratio Lower Upper

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

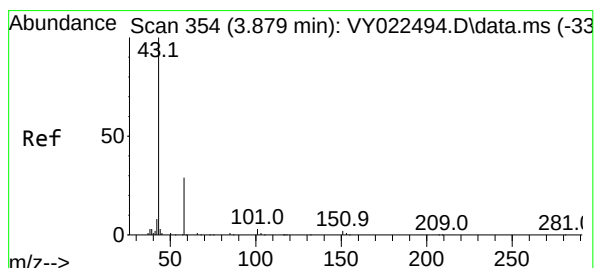
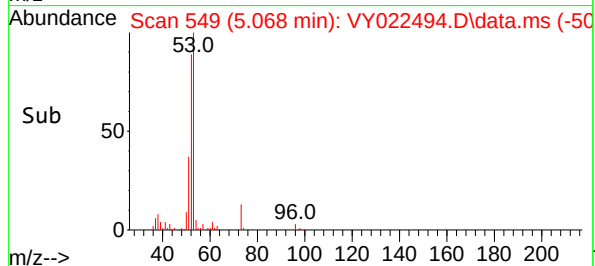
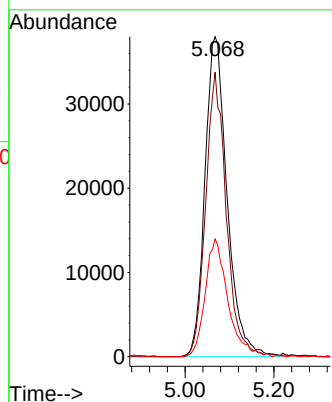
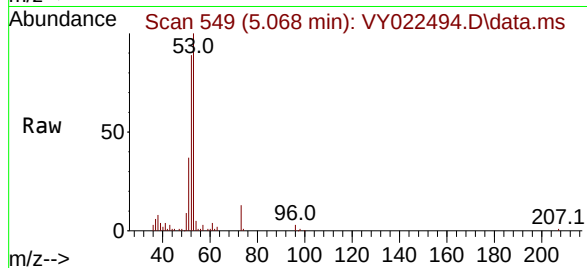
51 37.6 30.1 45.1

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

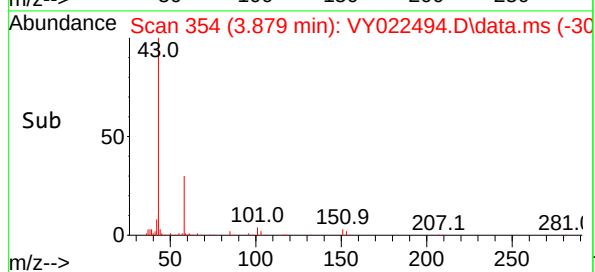
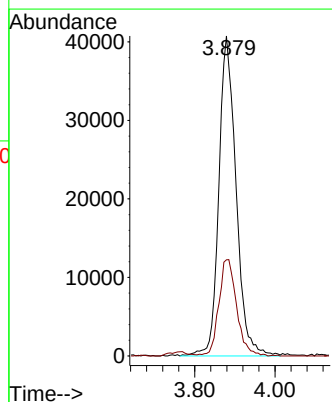
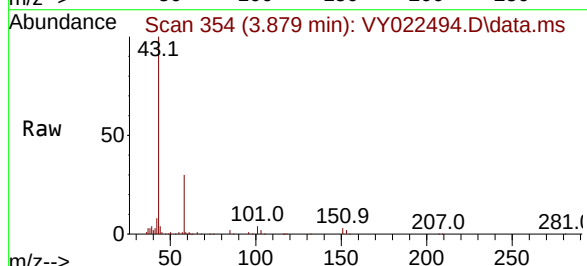
Acq: 02 Jun 2025 12:54

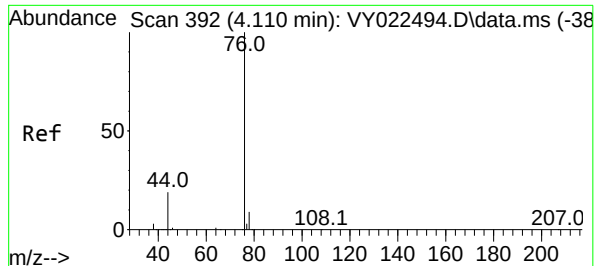
Tgt Ion: 43 Resp: 121507

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

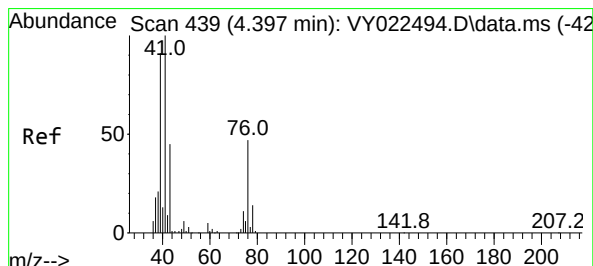
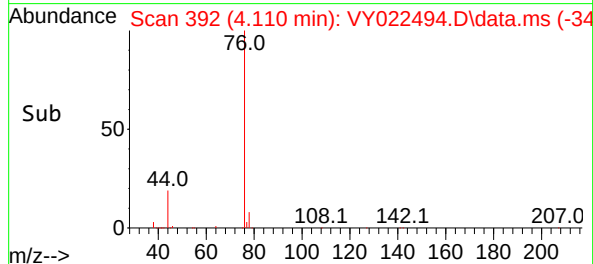
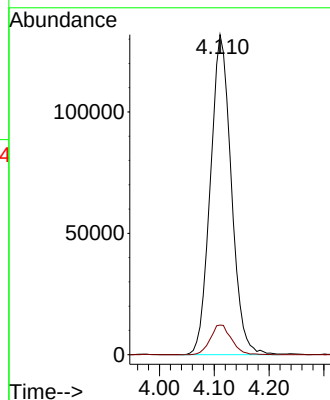
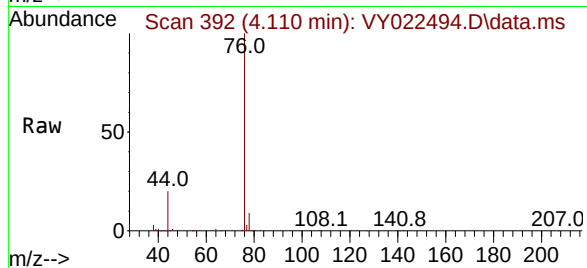
78 9.3 7.4 11.2

Manual Integrations

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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

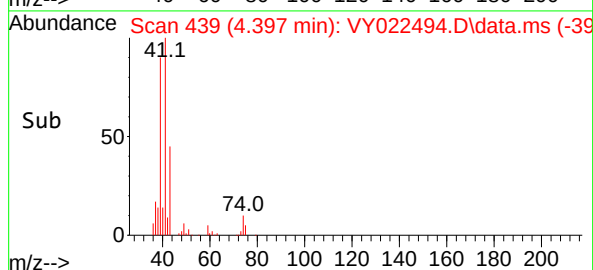
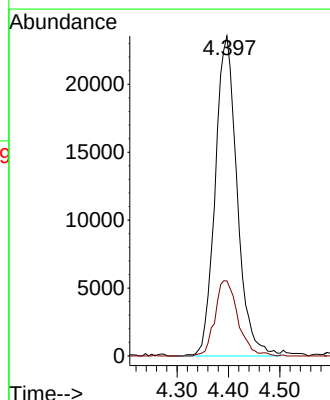
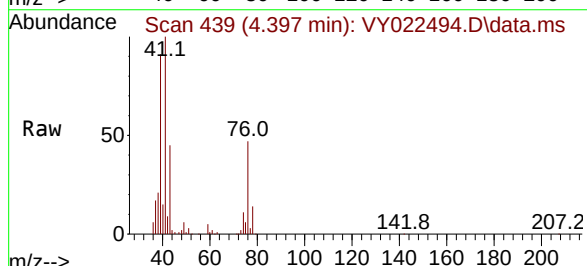
Acq: 02 Jun 2025 12:54

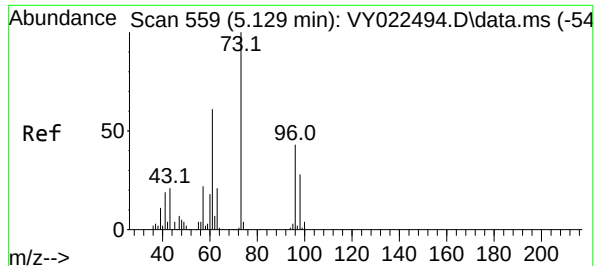
Tgt Ion: 43 Resp: 69815

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

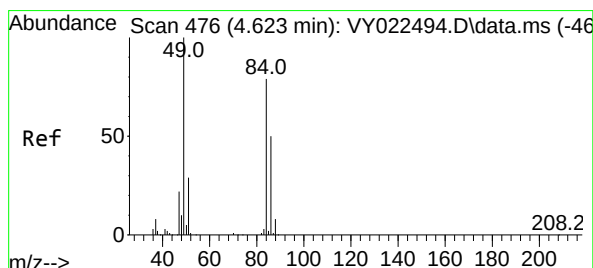
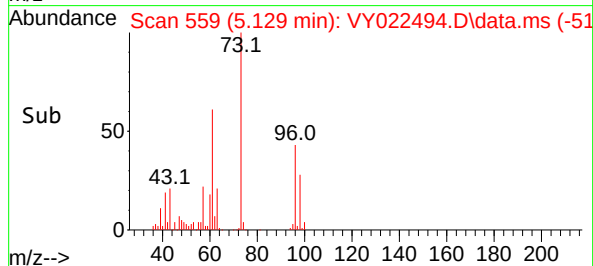
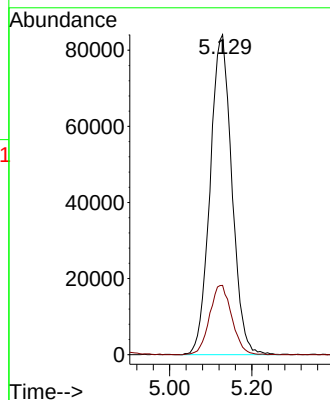
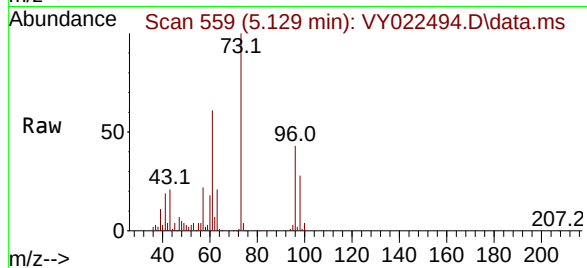
57 21.7 17.4 26.0

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

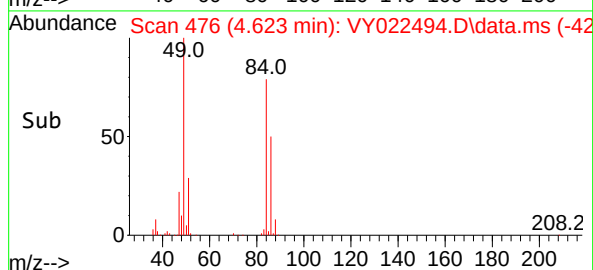
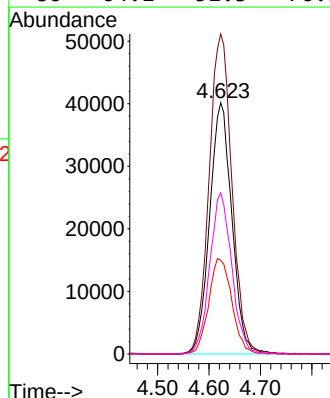
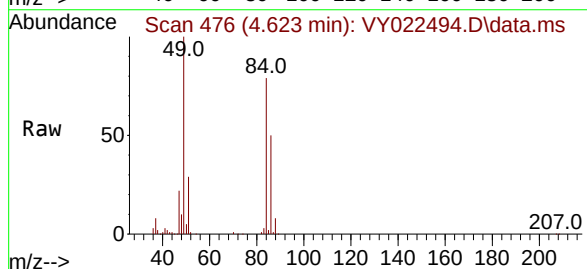
Ion Ratio Lower Upper

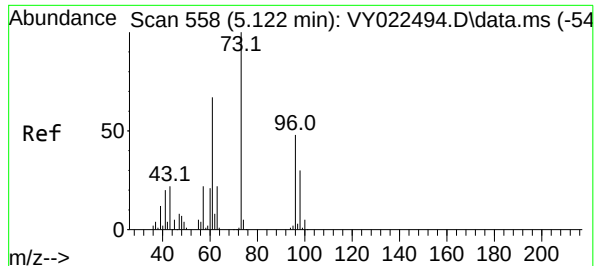
84 100

49 127.4 101.9 152.9

51 37.3 29.8 44.8

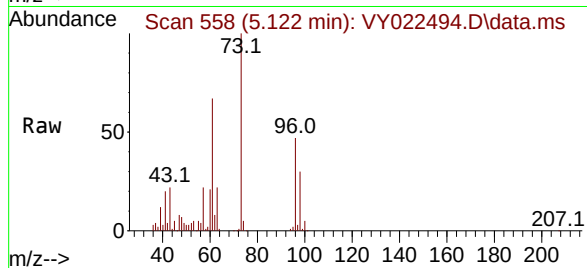
86 64.1 51.3 76.9





#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

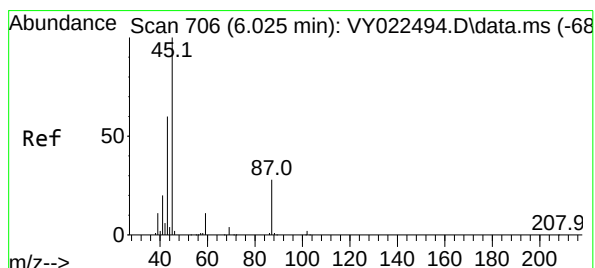
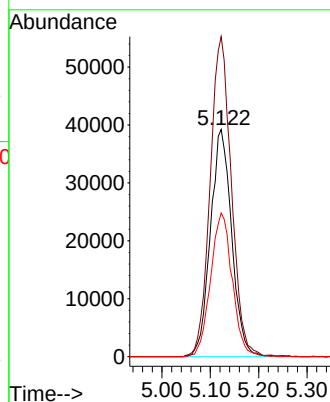
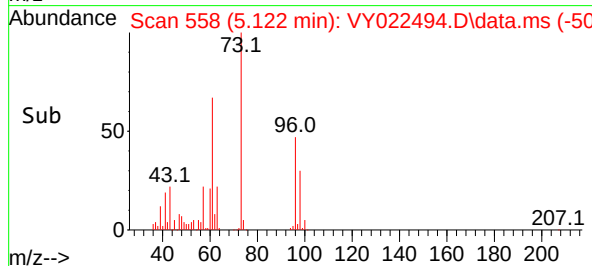
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

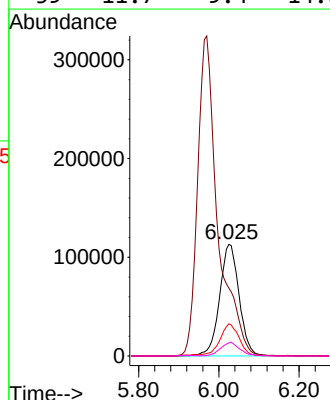
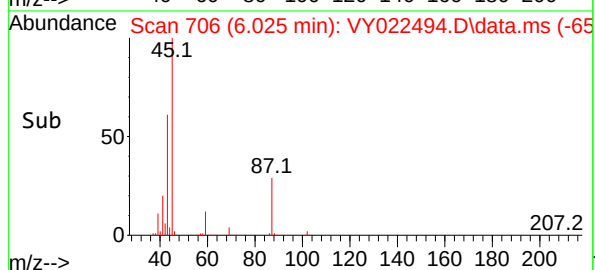
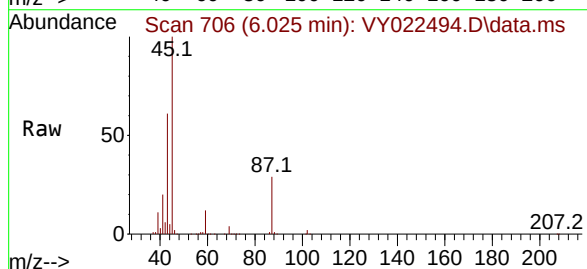
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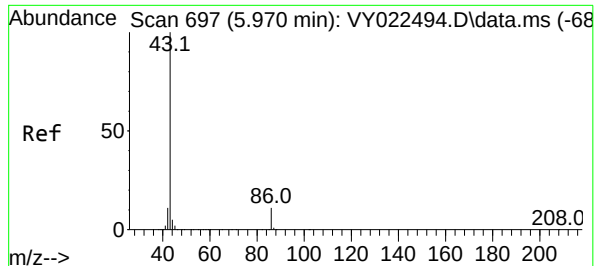
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

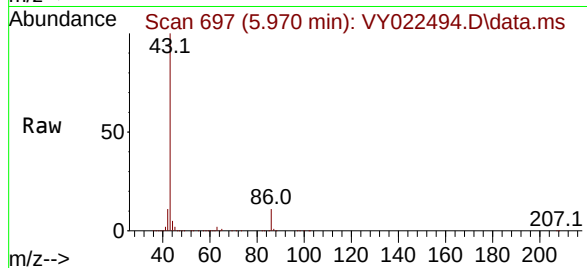
Tgt Ion: 45 Resp: 381760
Ion Ratio Lower Upper
45 100
43 60.4 48.3 72.5
87 28.8 23.0 34.6
59 11.7 9.4 14.0





#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

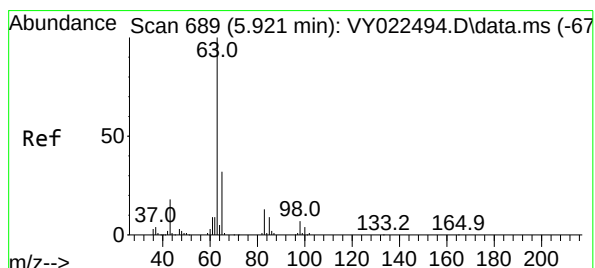
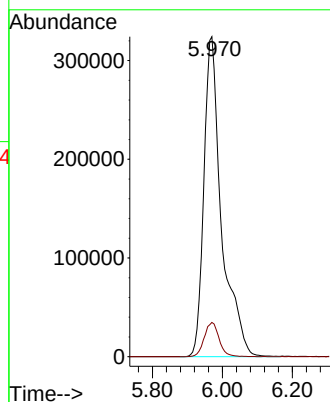
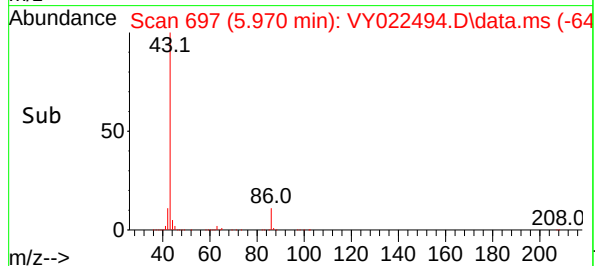
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 113741
Ion Ratio Lower Upper
43 100
86 10.7 8.6 12.8

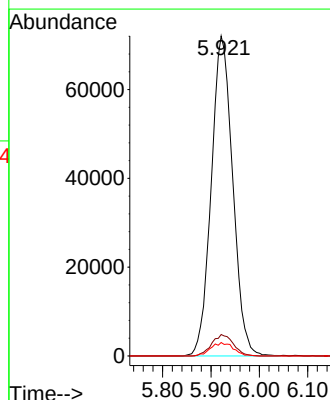
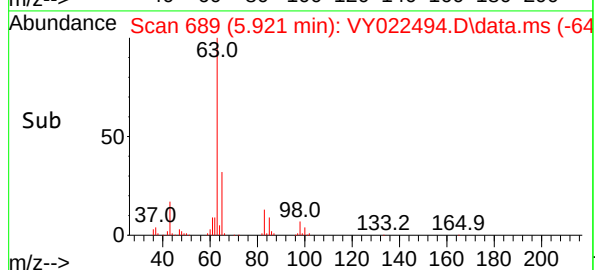
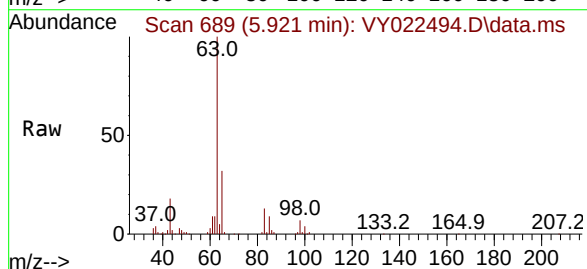
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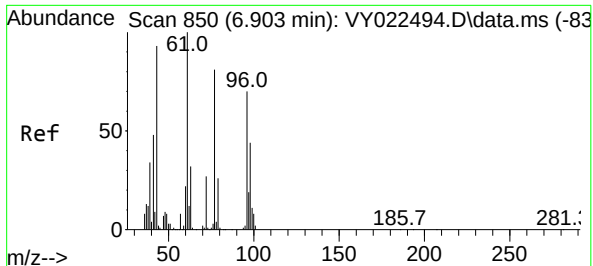
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

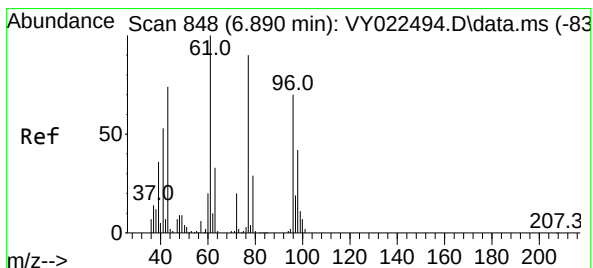
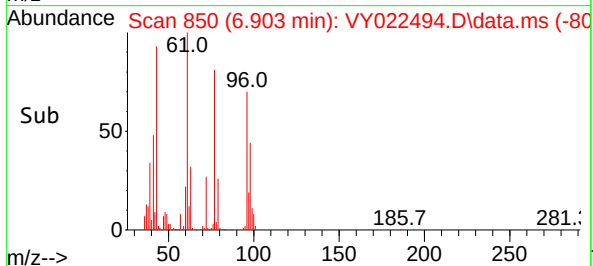
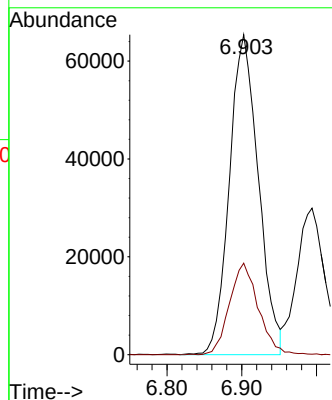
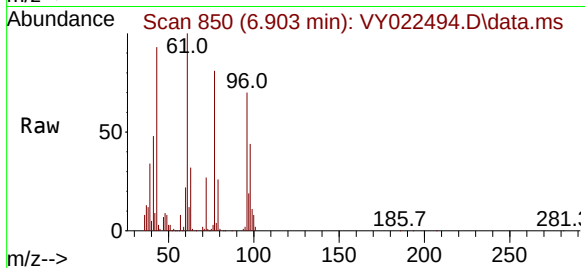
72 28.6 22.9 34.3

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

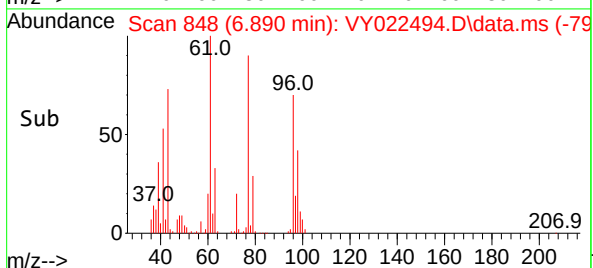
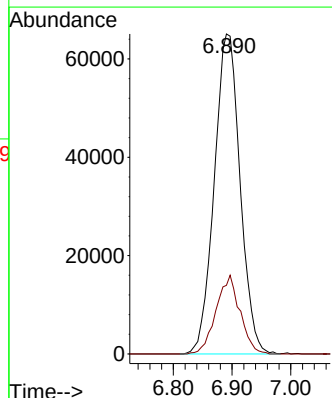
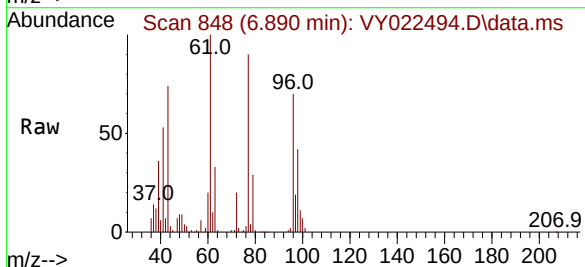
Acq: 02 Jun 2025 12:54

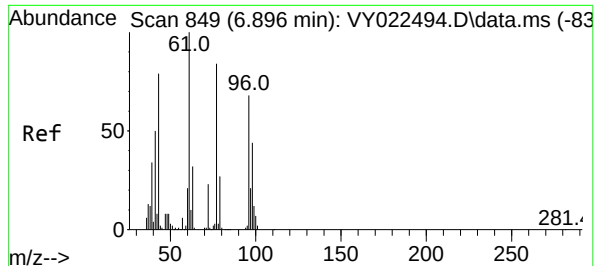
Tgt Ion: 77 Resp: 198763

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

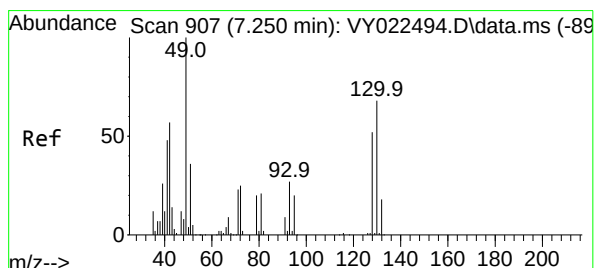
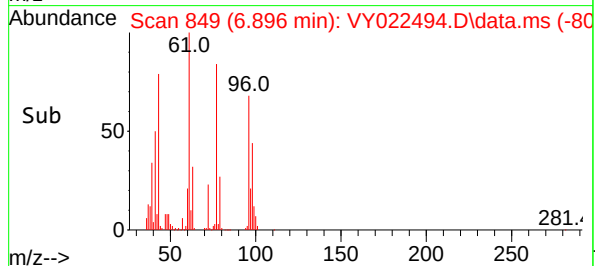
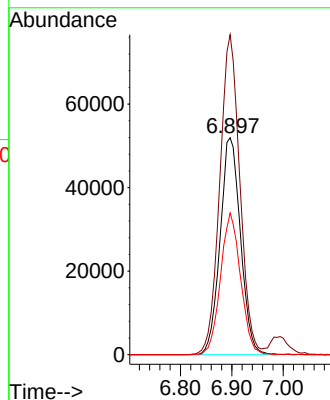
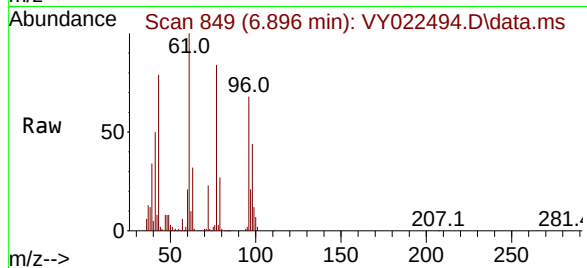
98 64.2 0.0 128.4

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

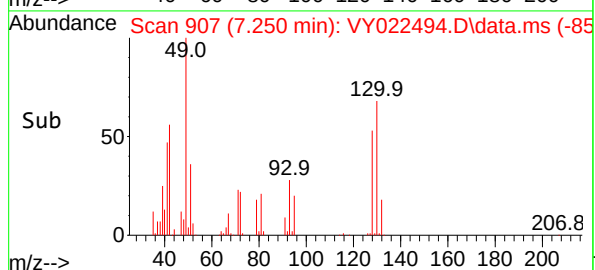
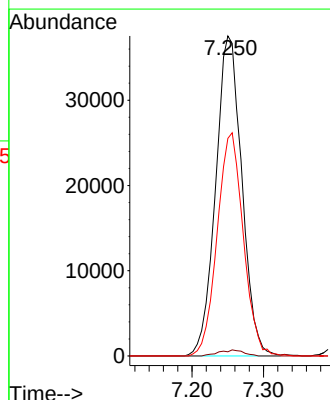
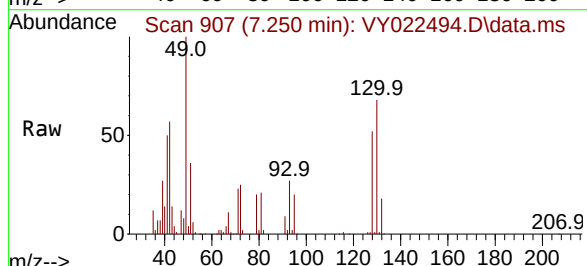
Tgt Ion: 49 Resp: 95397

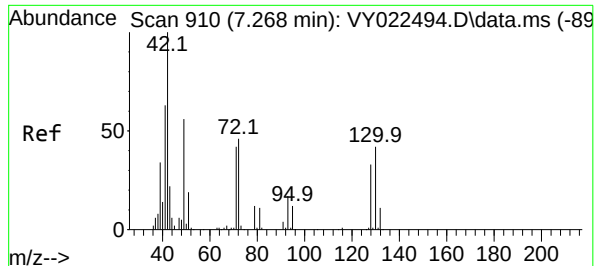
Ion Ratio Lower Upper

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

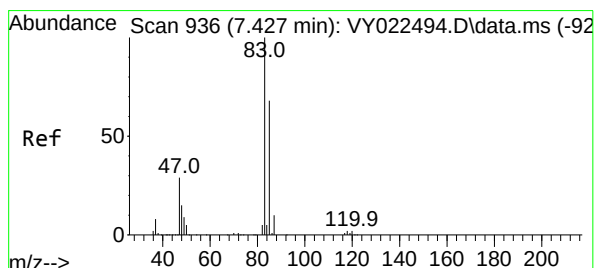
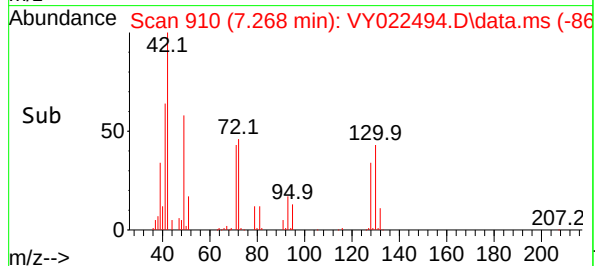
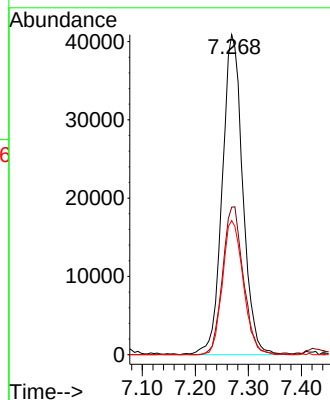
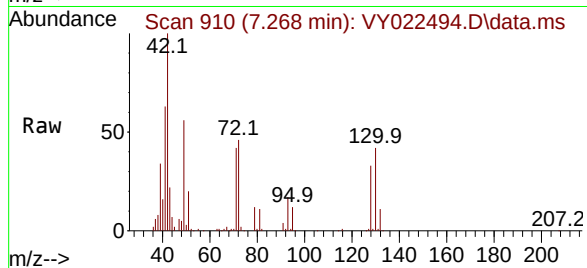
71 42.7 34.2 51.2

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

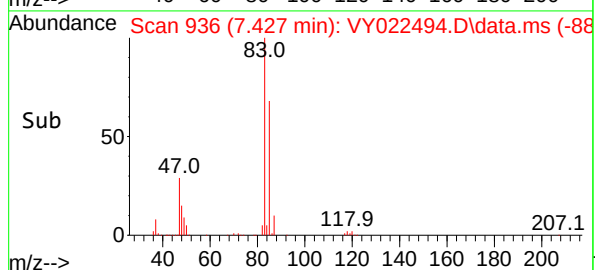
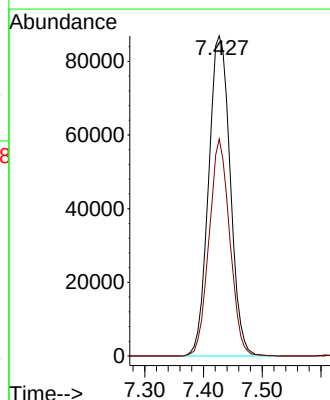
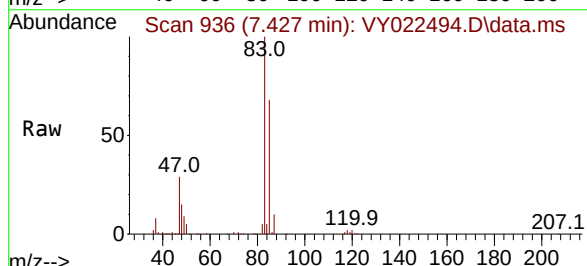
Acq: 02 Jun 2025 12:54

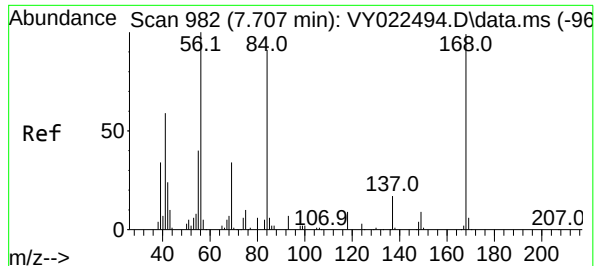
Tgt Ion: 83 Resp: 222226

Ion Ratio Lower Upper

83 100

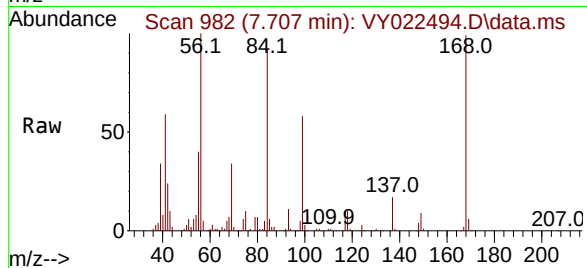
85 67.8 54.2 81.4





#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

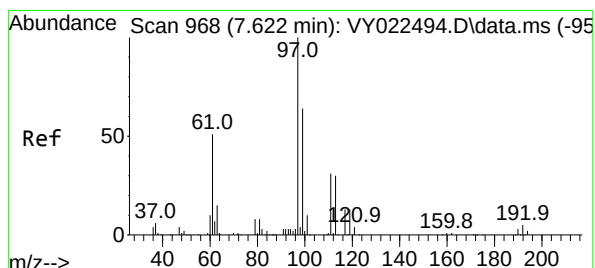
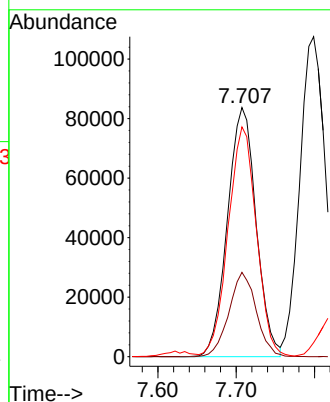
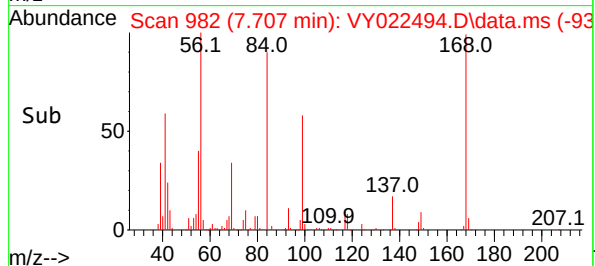
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

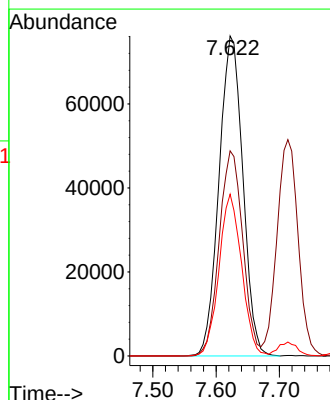
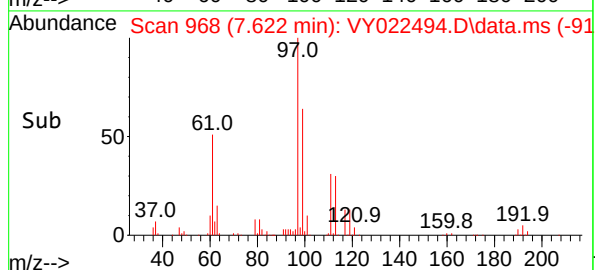
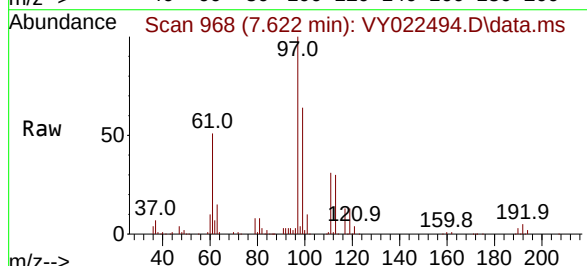
Manual Integrations
APPROVED

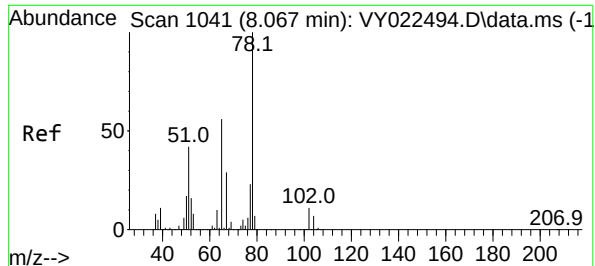
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

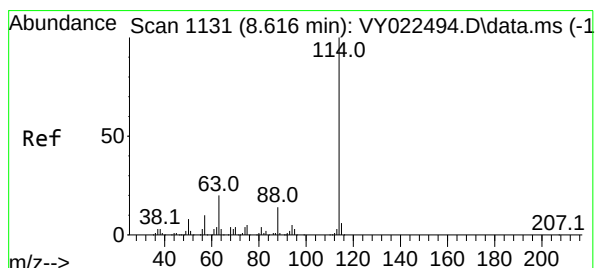
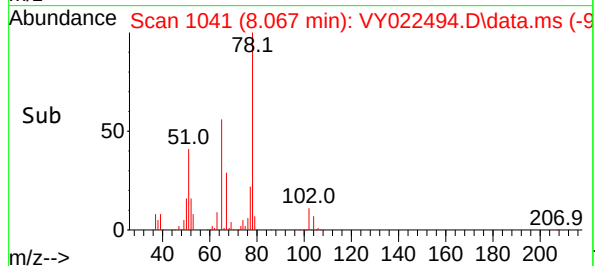
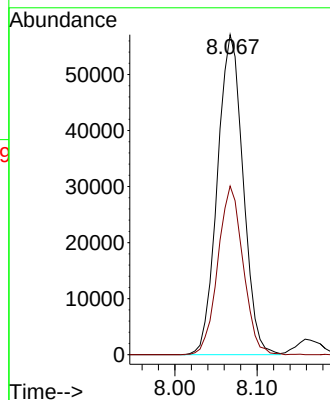
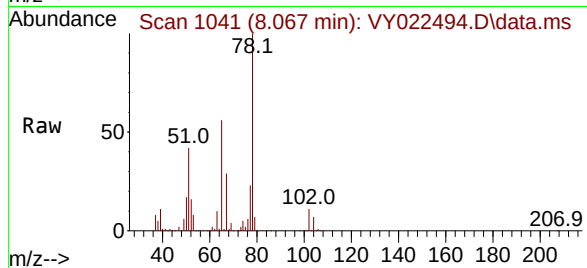
67 51.7 0.0 103.4

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

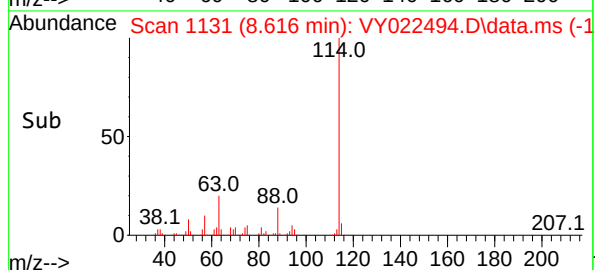
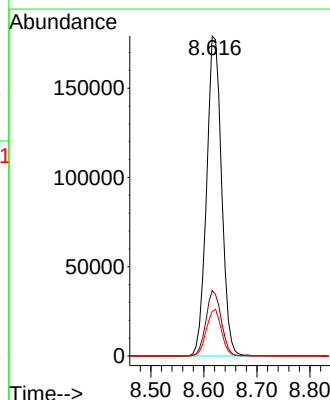
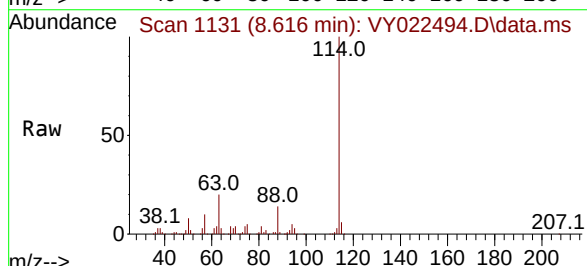
Tgt Ion:114 Resp: 350947

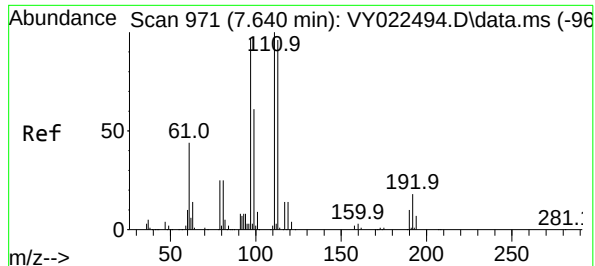
Ion Ratio Lower Upper

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

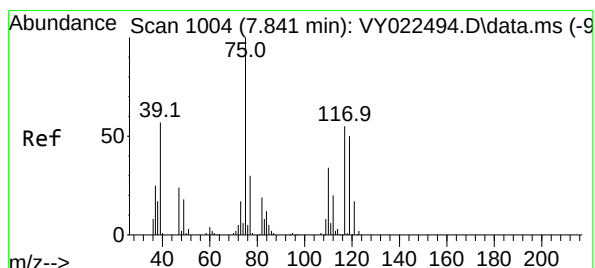
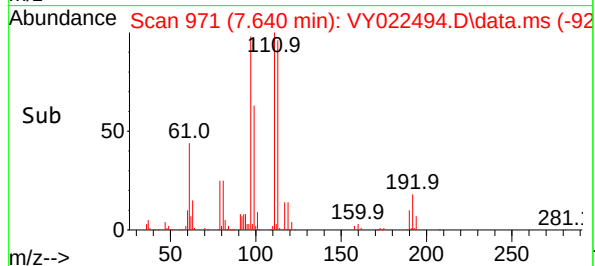
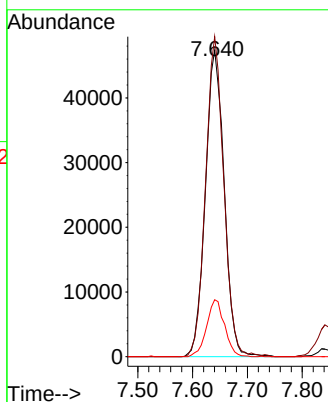
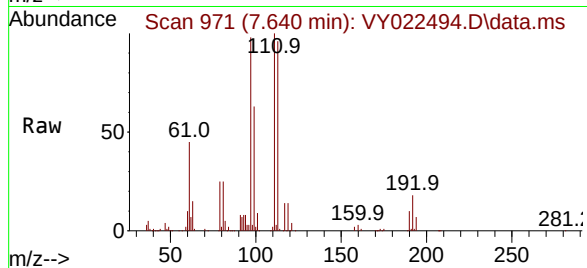
192 17.7 14.2 21.2

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

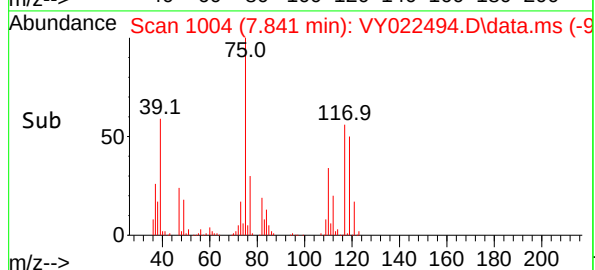
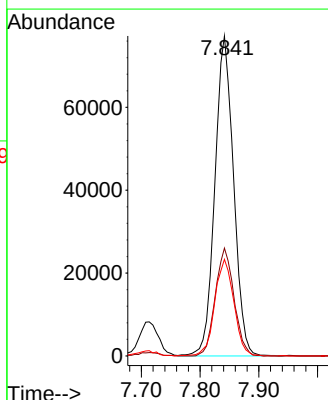
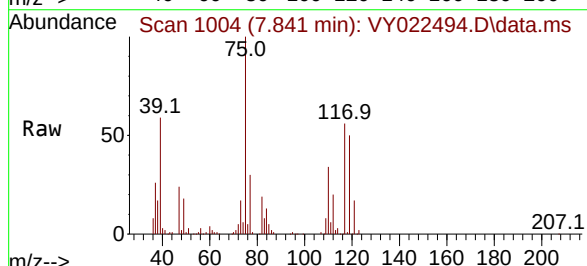
Tgt Ion: 75 Resp: 170708

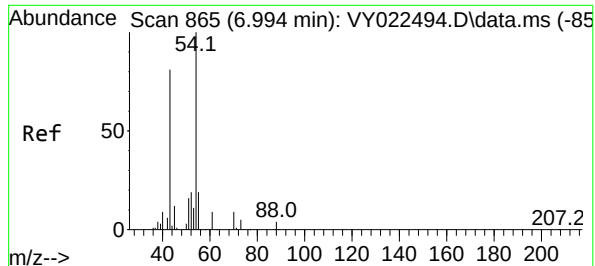
Ion Ratio Lower Upper

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 :

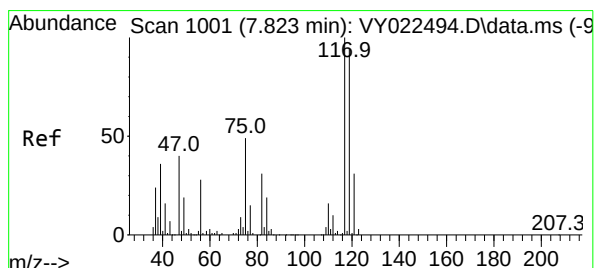
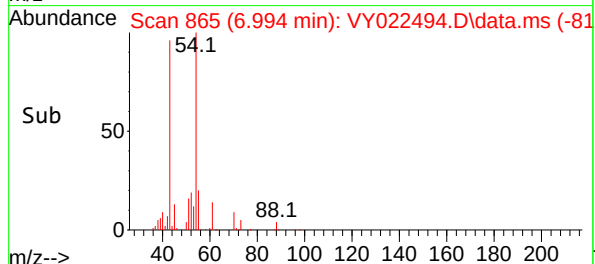
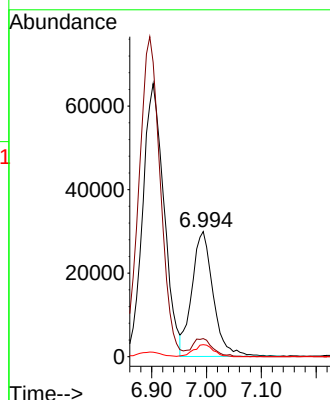
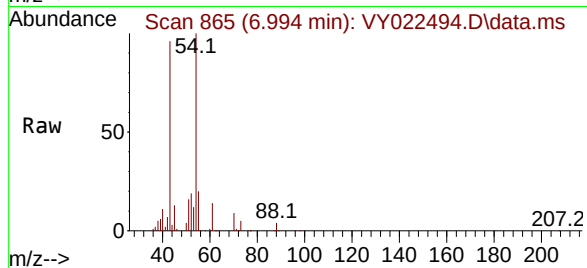
VSTDICCC050

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

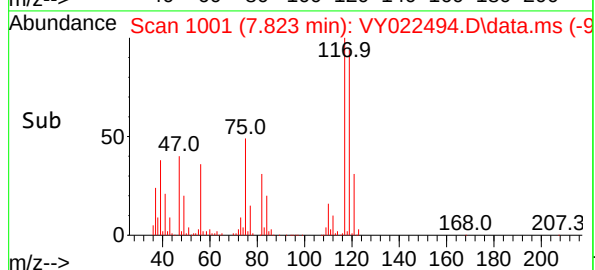
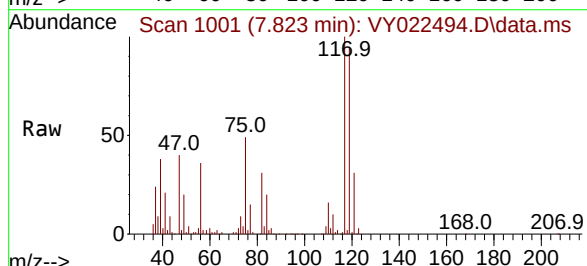
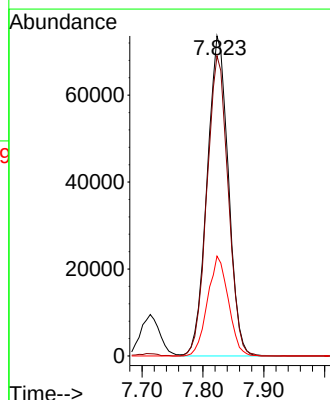
RT: 7.823 min Scan# 1001

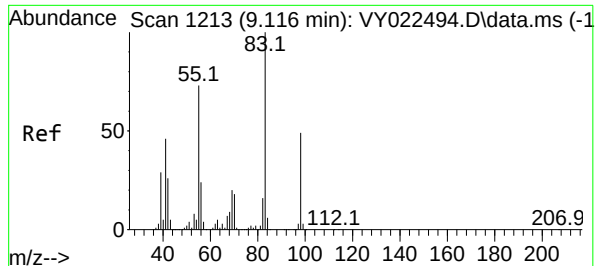
Delta R.T. 0.000 min

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

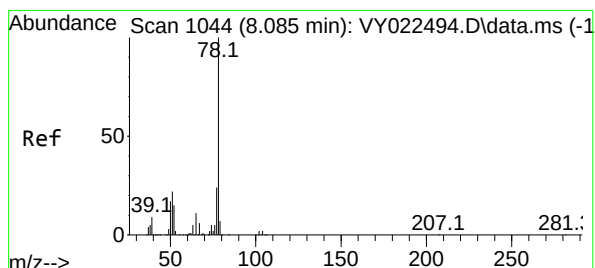
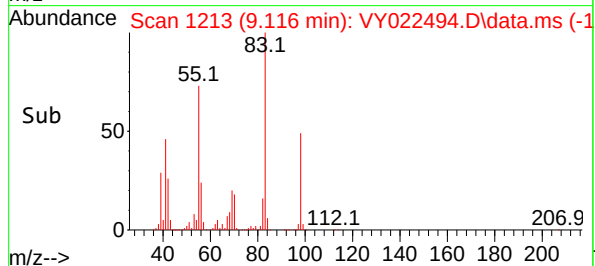
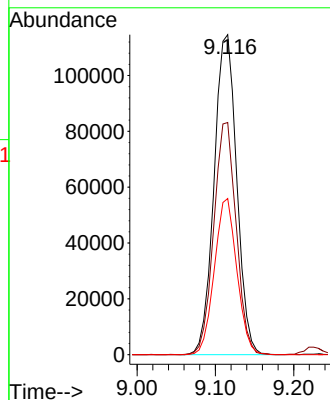
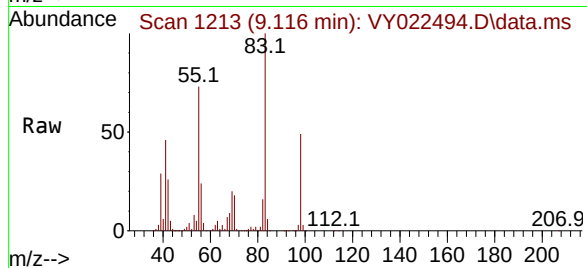
98 48.8 39.0 58.6

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

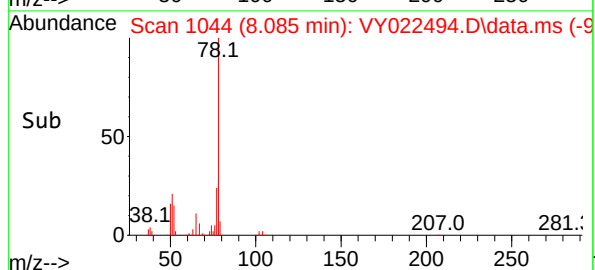
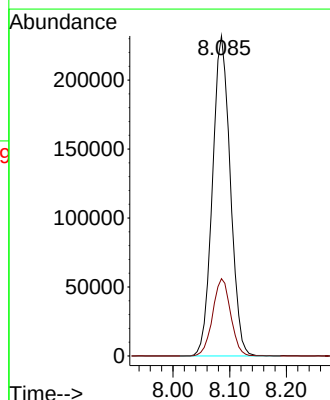
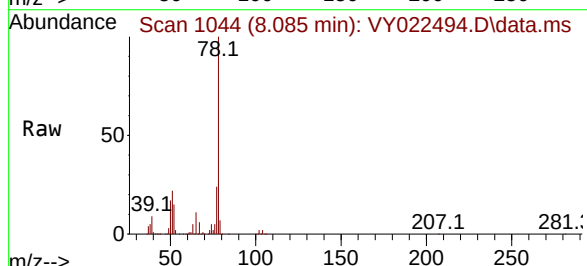
Acq: 02 Jun 2025 12:54

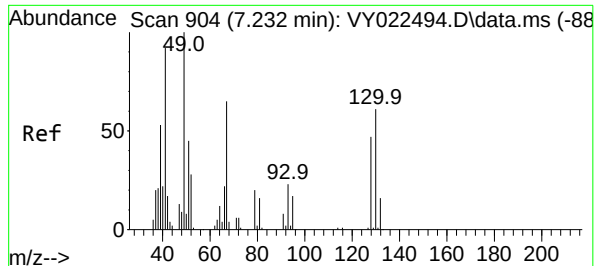
Tgt Ion: 78 Resp: 505749

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9





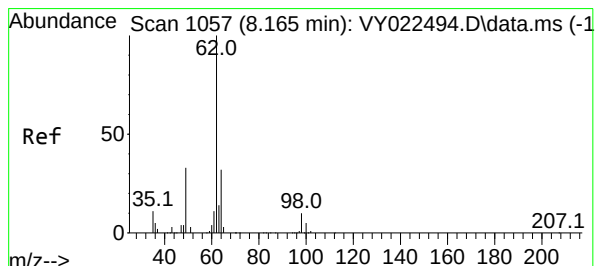
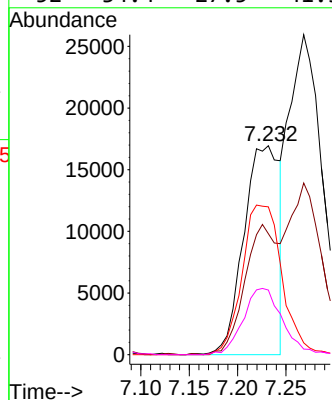
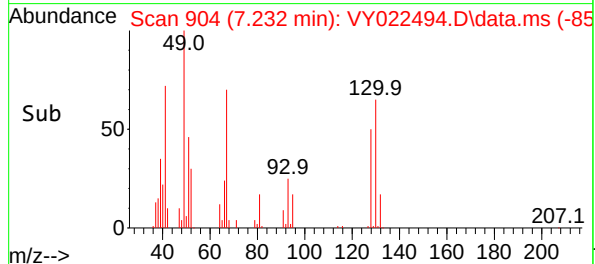
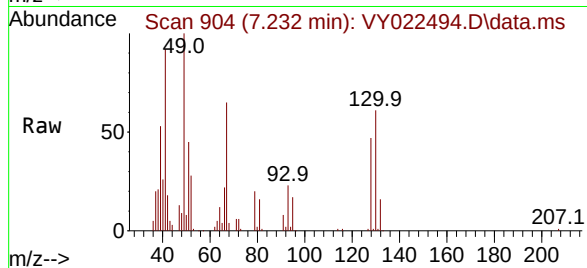
#41
Methacrylonitrile
Concen: 46.342 ug/l
RT: 7.232 min Scan# 904
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

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

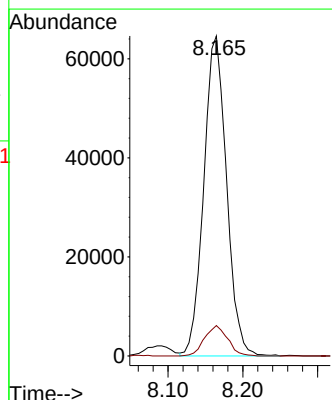
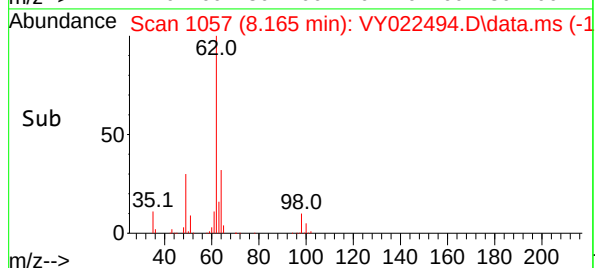
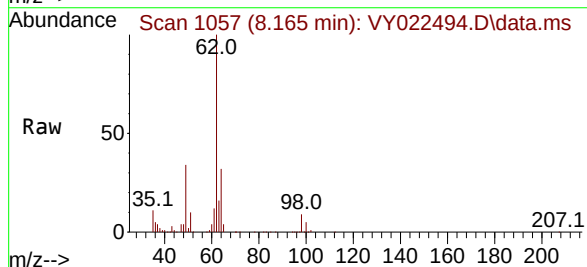
Manual Integrations
APPROVED

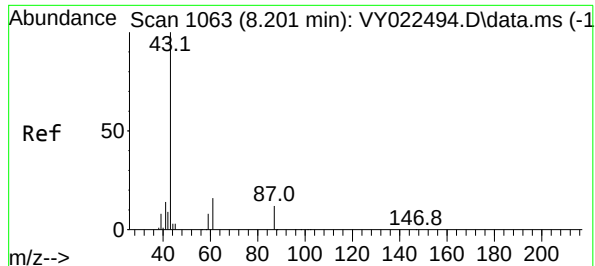
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

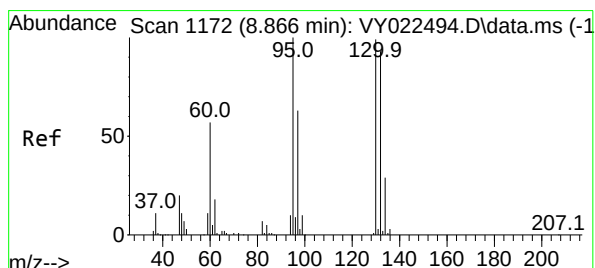
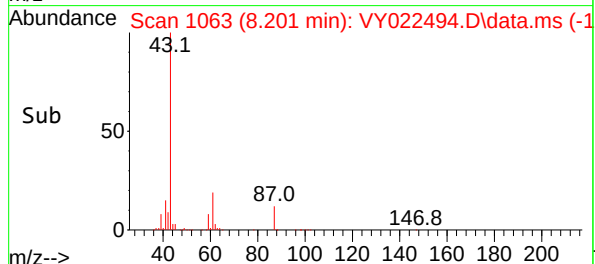
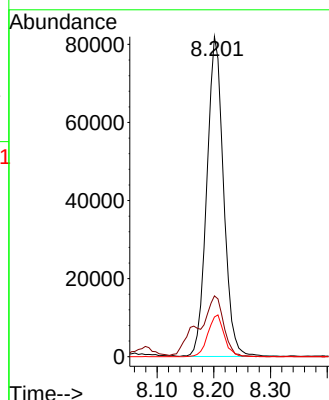
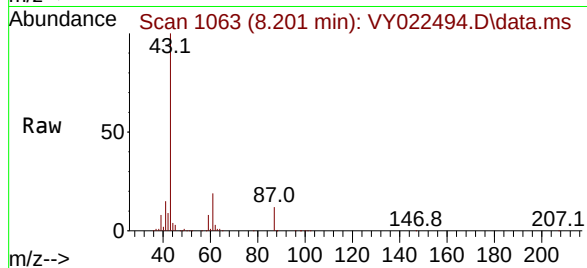
87 12.8 10.2 15.4

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

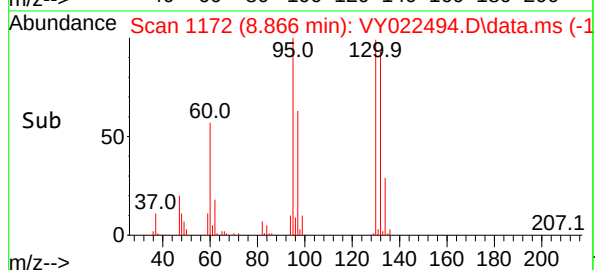
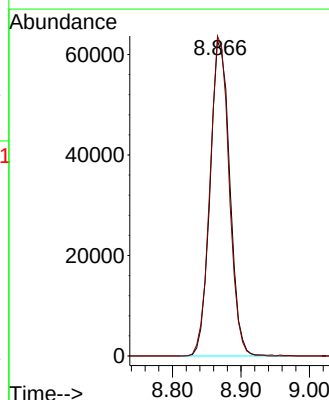
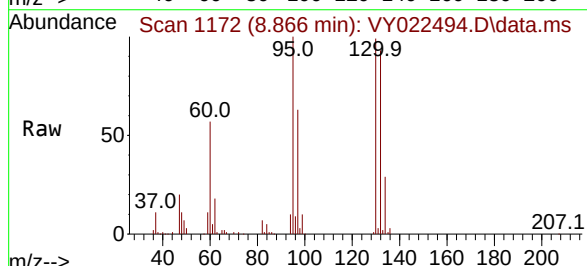
Acq: 02 Jun 2025 12:54

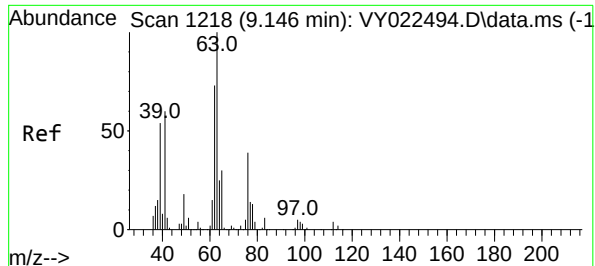
Tgt Ion:130 Resp: 124670

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

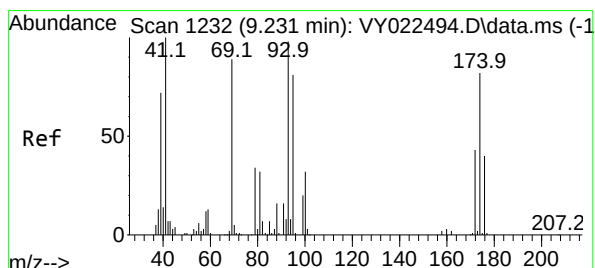
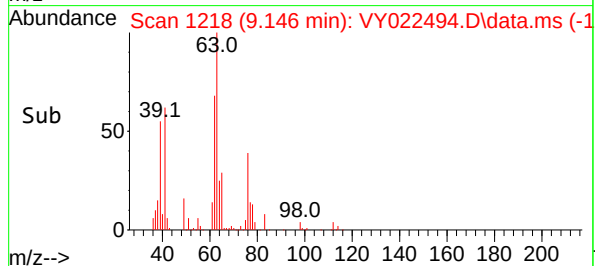
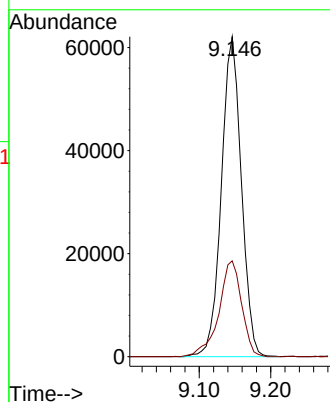
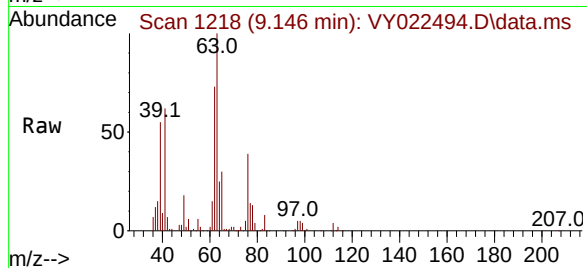
65 30.0 24.0 36.0

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

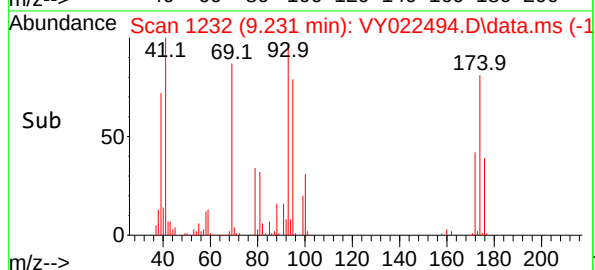
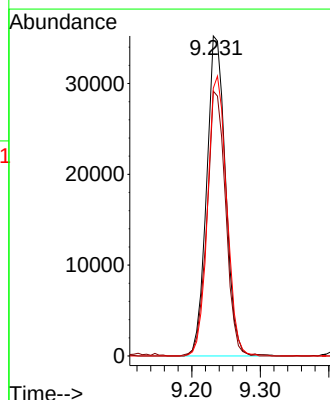
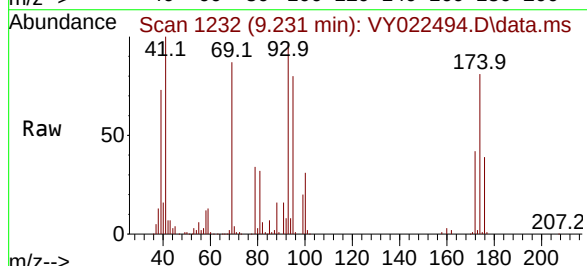
Tgt Ion: 93 Resp: 67690

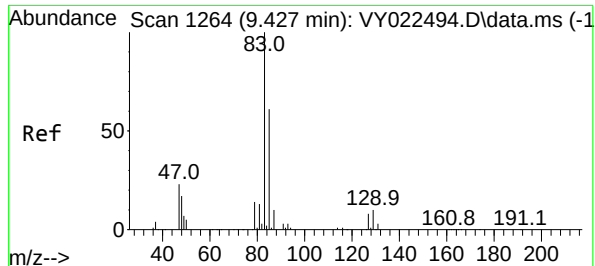
Ion Ratio Lower Upper

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

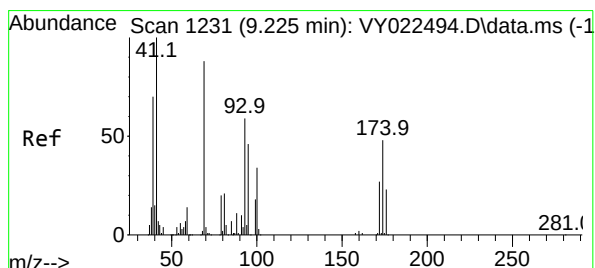
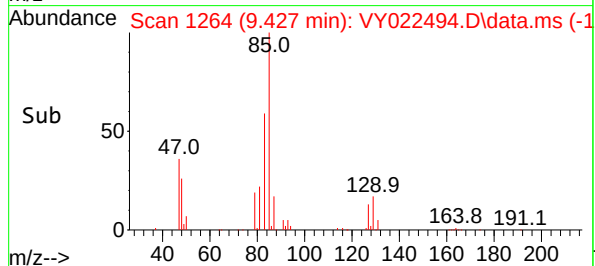
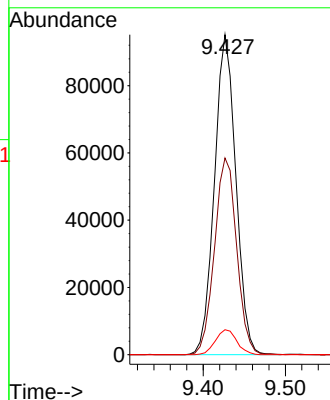
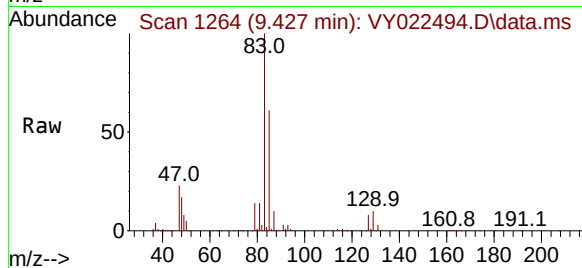
127 7.8 6.2 9.4

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

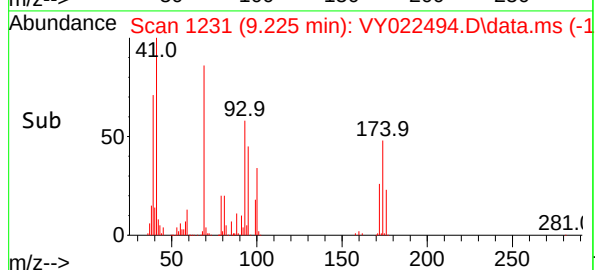
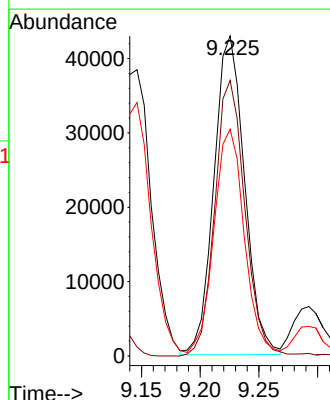
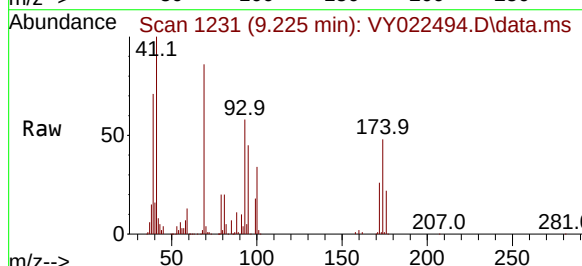
Tgt Ion: 41 Resp: 77885

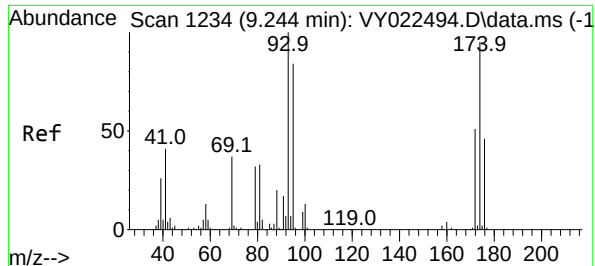
Ion Ratio Lower Upper

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 :

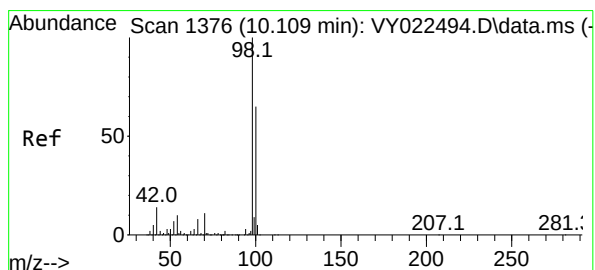
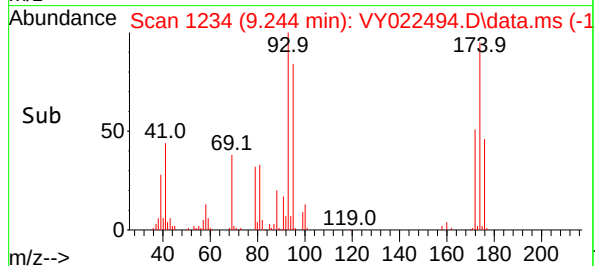
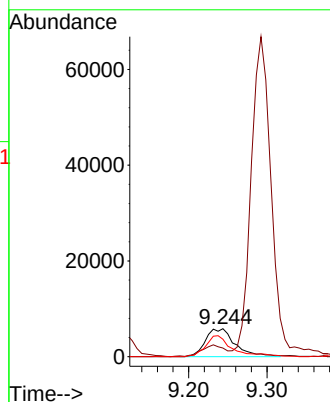
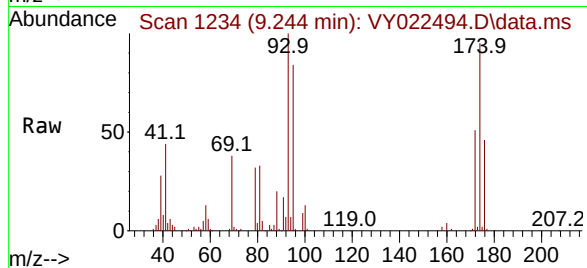
VSTDICCC050

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

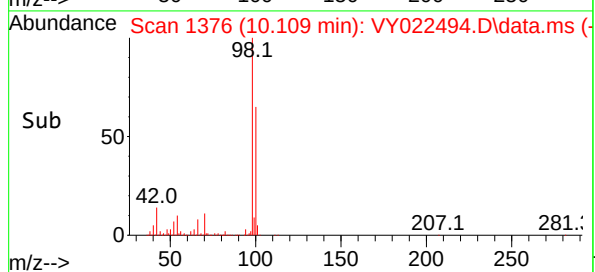
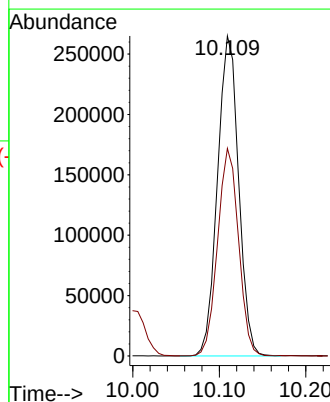
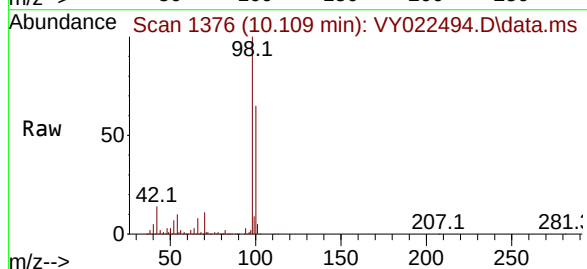
RT: 10.109 min Scan# 1376

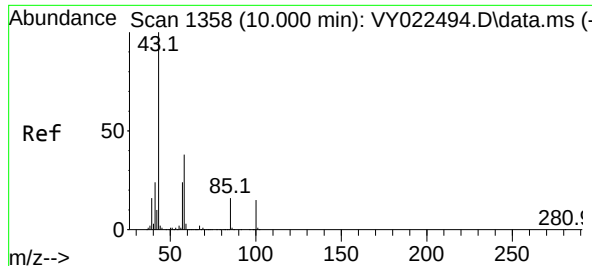
Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

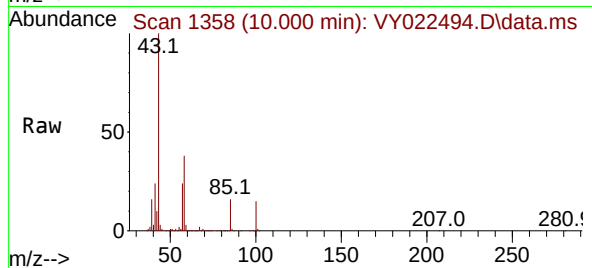
Tgt Ion:	98	Resp:	448690
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0





#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

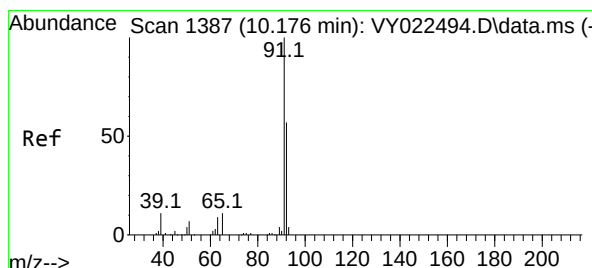
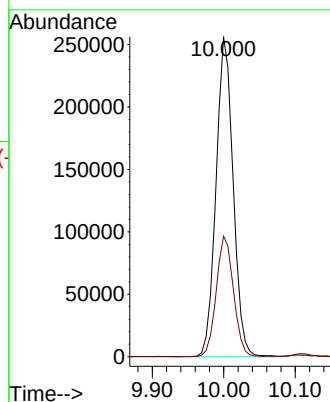
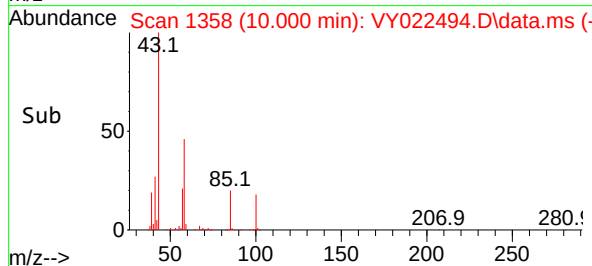
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 425868
Ion Ratio Lower Upper
43 100
58 38.0 30.4 45.6

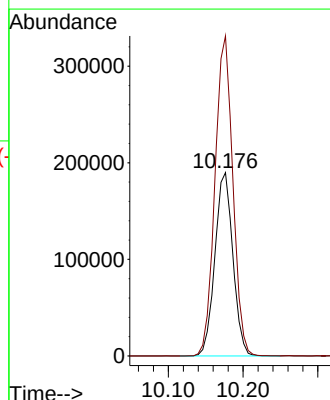
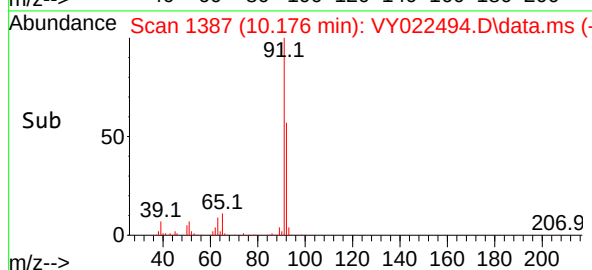
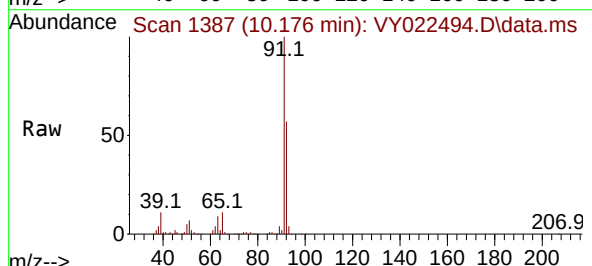
Manual Integrations
APPROVED

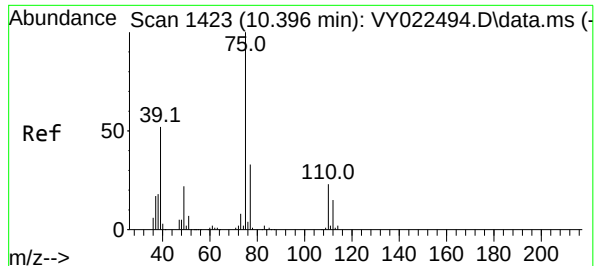
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

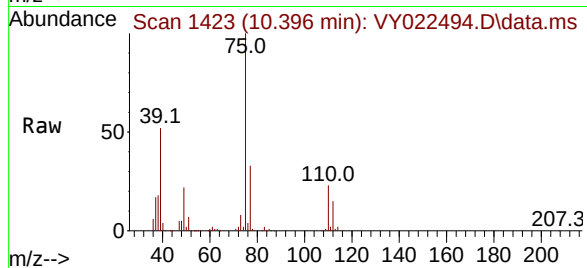
Tgt Ion: 92 Resp: 316972
Ion Ratio Lower Upper
92 100
91 173.7 139.0 208.4





#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

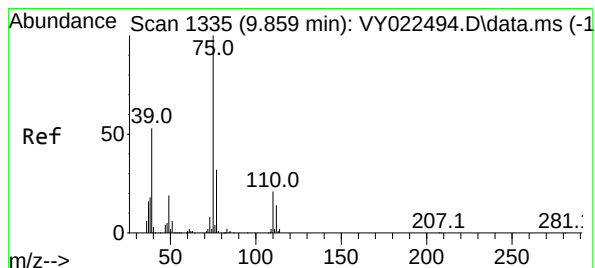
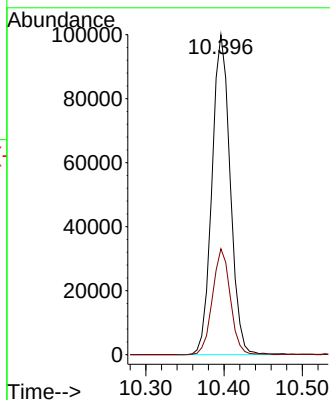
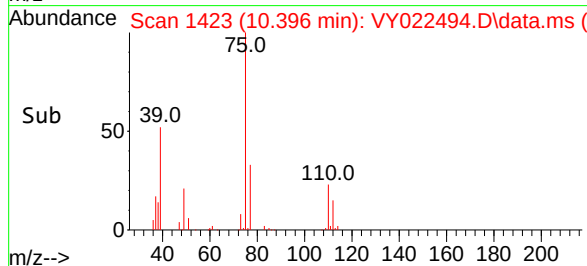
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 161859
Ion Ratio Lower Upper
75 100
77 33.1 26.5 39.7

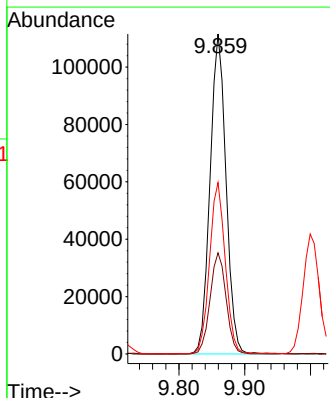
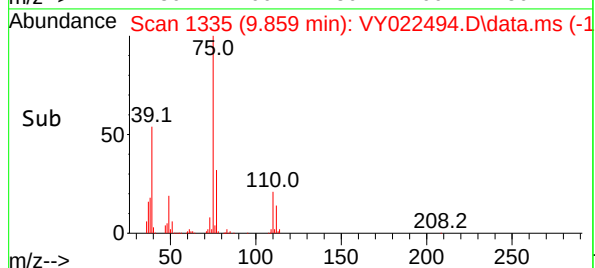
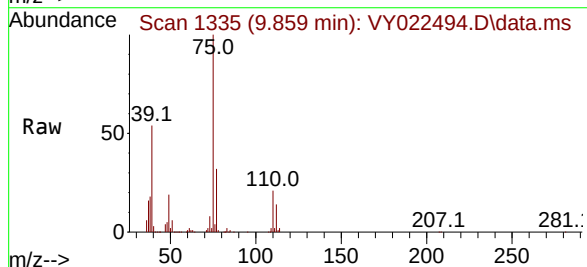
Manual Integrations
APPROVED

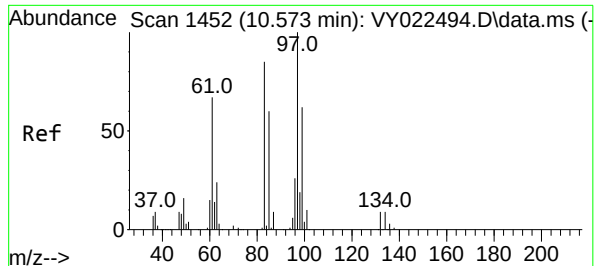
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

Tgt Ion: 97 Resp: 8478

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

Instrument :

MSVOA_Y

ClientSampleId :

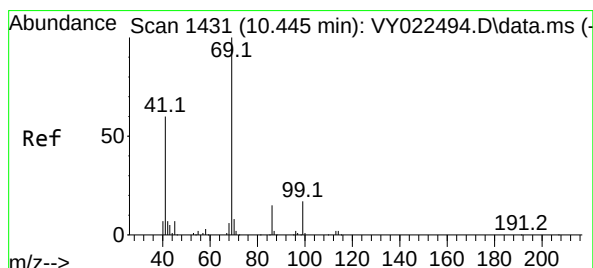
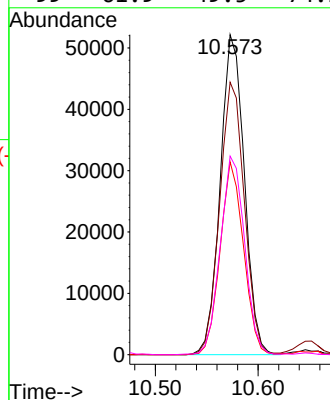
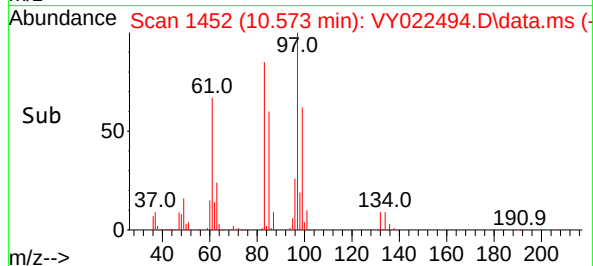
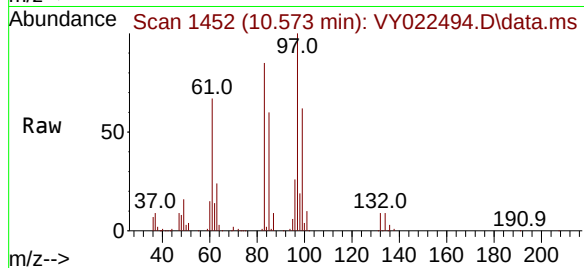
VSTDICCC050

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

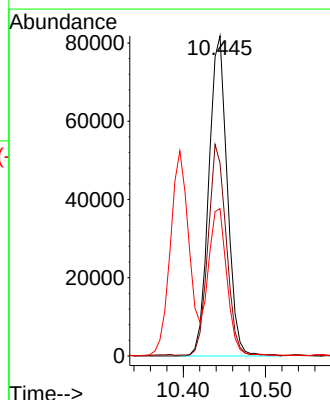
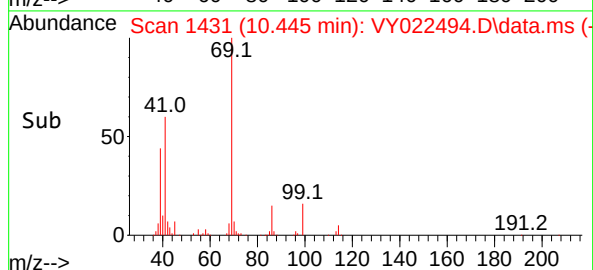
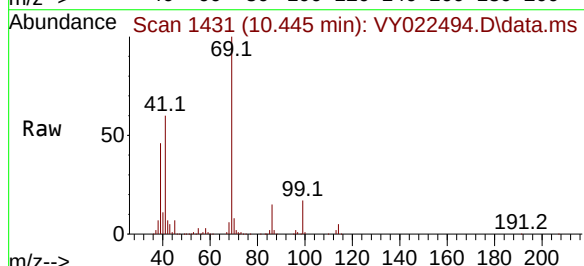
Tgt Ion: 69 Resp: 127271

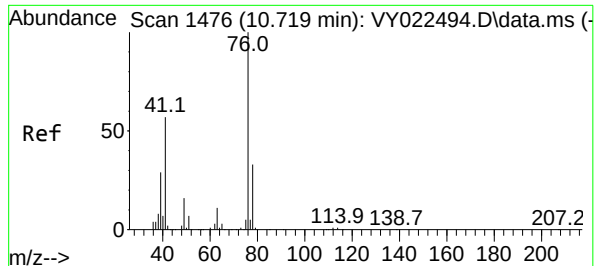
Ion Ratio Lower Upper

69 100

41 65.2 52.2 78.2

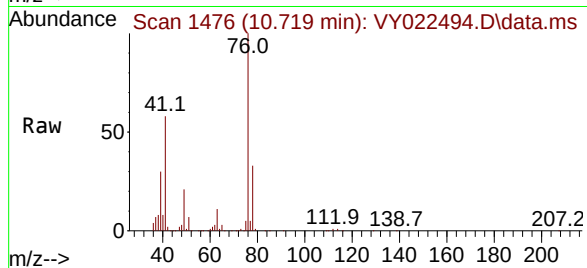
39 45.9 36.7 55.1





#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

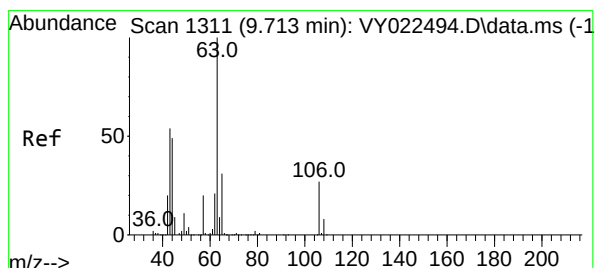
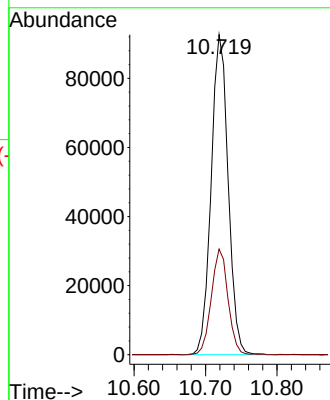
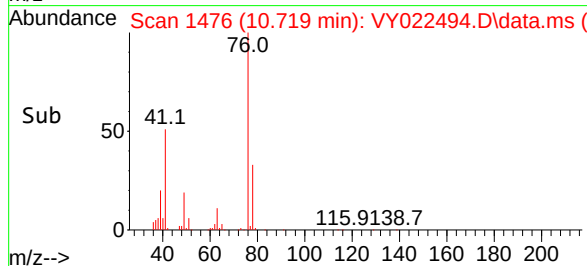
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 152809
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

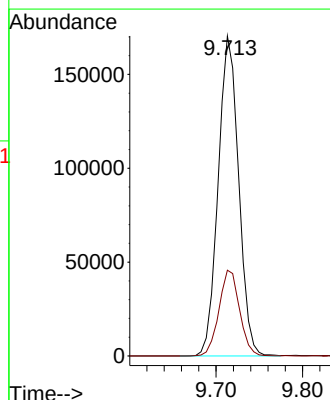
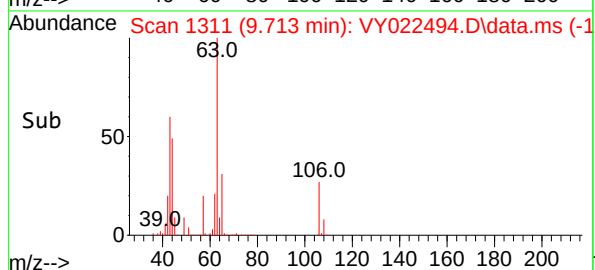
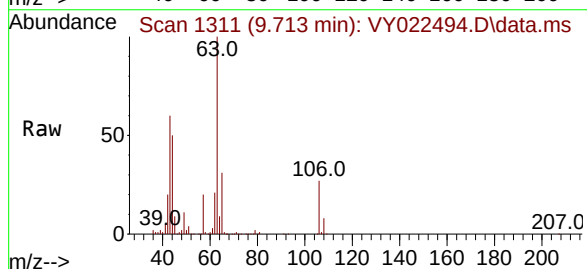
Manual Integrations
APPROVED

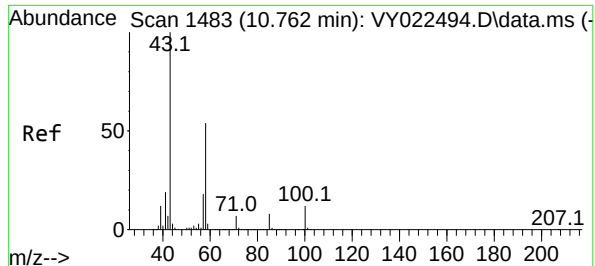
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

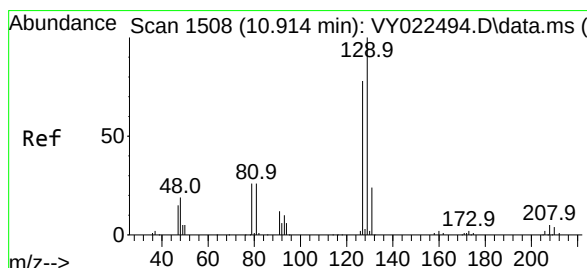
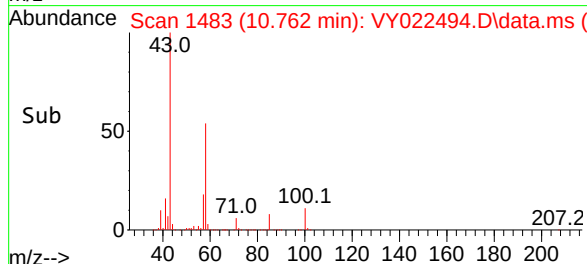
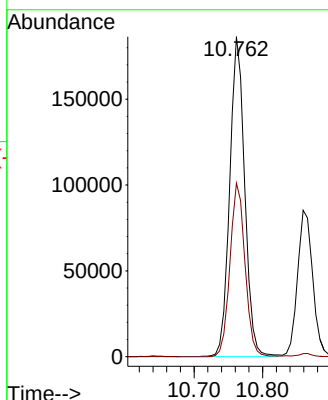
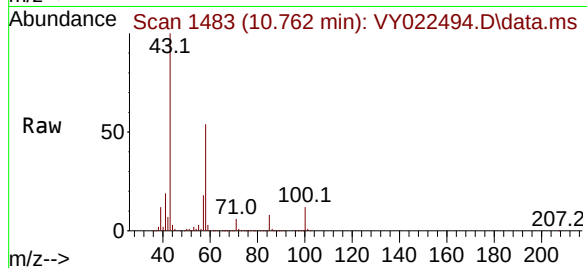
58 54.5 27.3 81.8

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

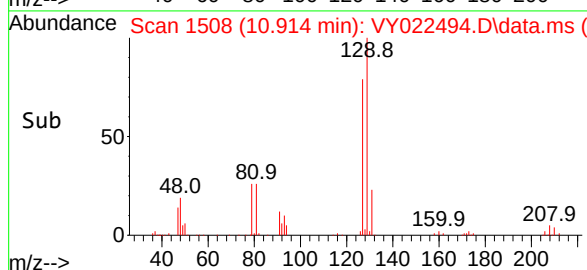
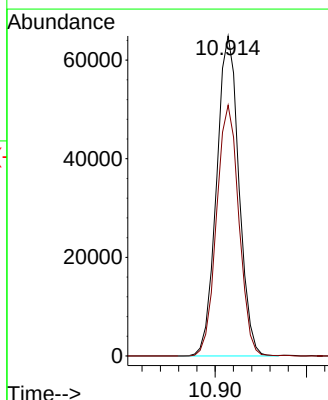
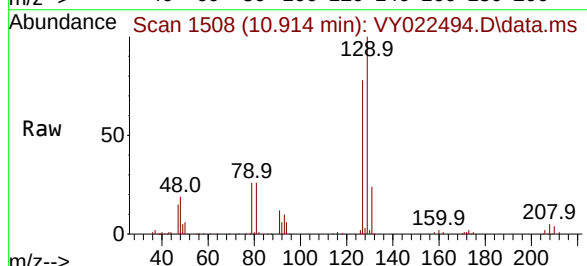
Acq: 02 Jun 2025 12:54

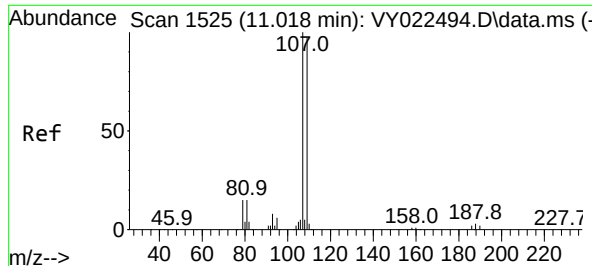
Tgt Ion:129 Resp: 110314

Ion Ratio Lower Upper

129 100

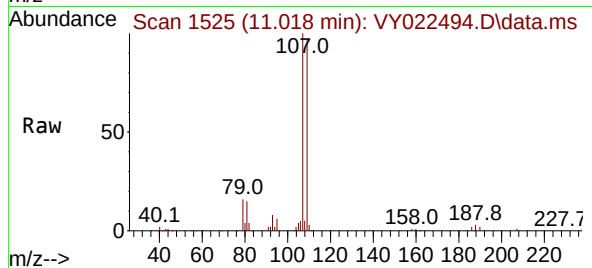
127 78.1 39.1 117.2





#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

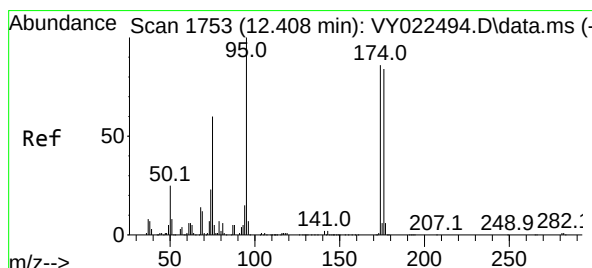
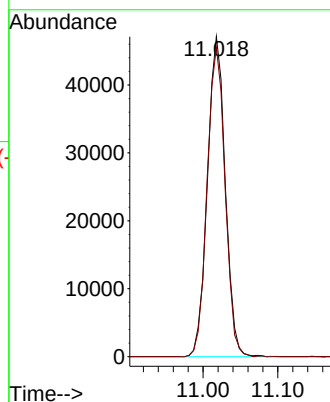
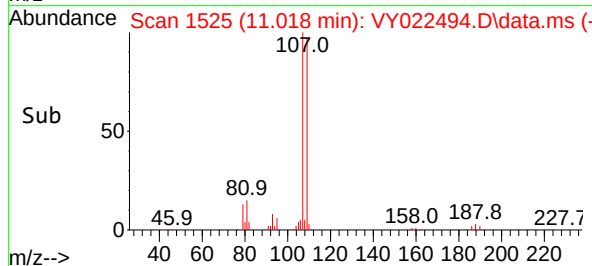
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 7815
Ion Ratio Lower Upper
107 100
109 97.1 77.7 116.5

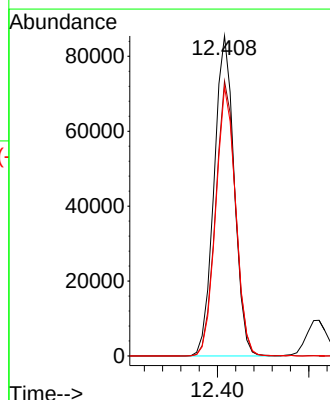
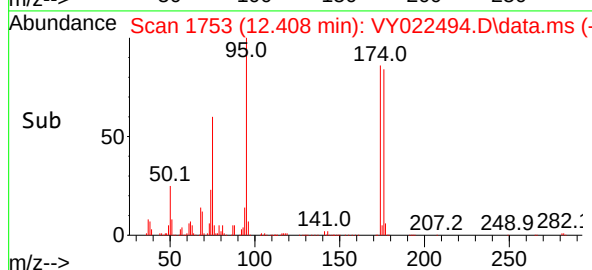
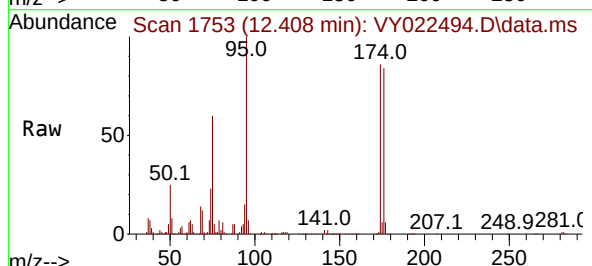
Manual Integrations
APPROVED

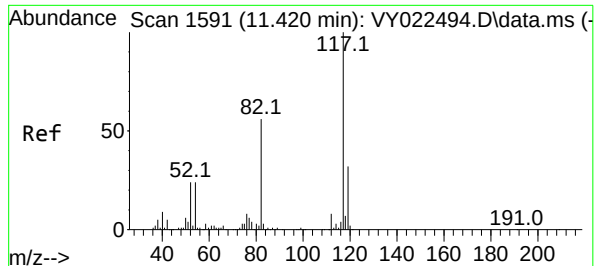
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

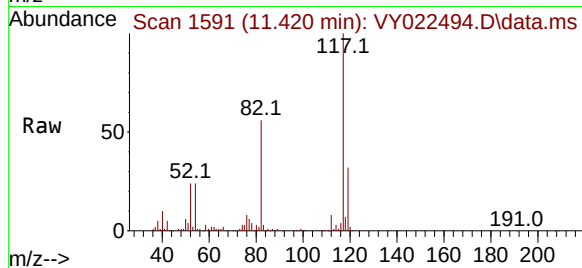
Tgt Ion: 95 Resp: 130393
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 83.1 0.0 166.2





#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

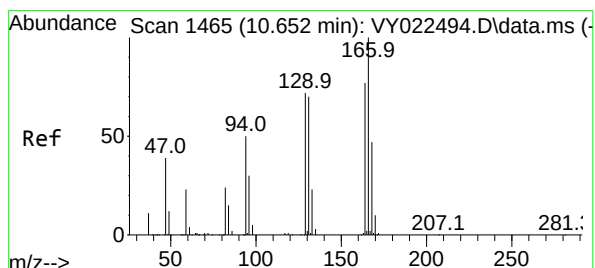
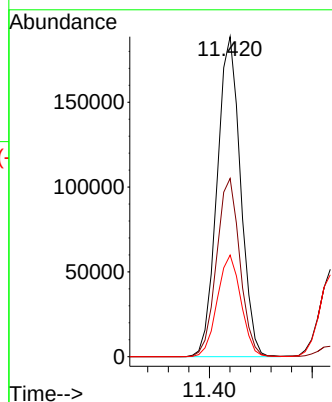
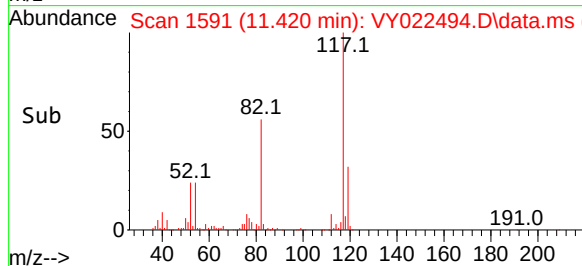
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



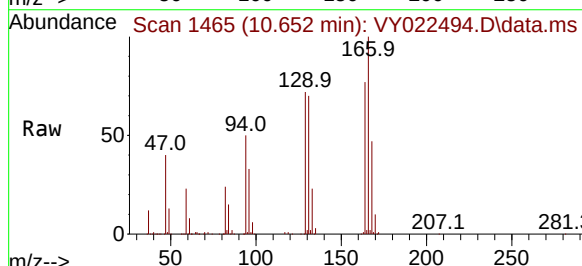
Tgt Ion:117 Resp: 29818
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 31.7 25.4 38.0

Manual Integrations
APPROVED

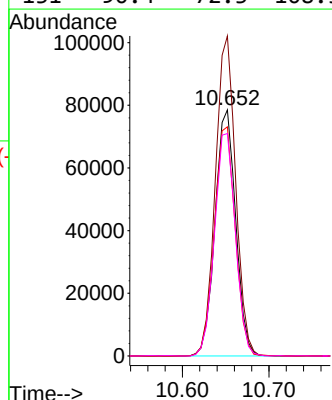
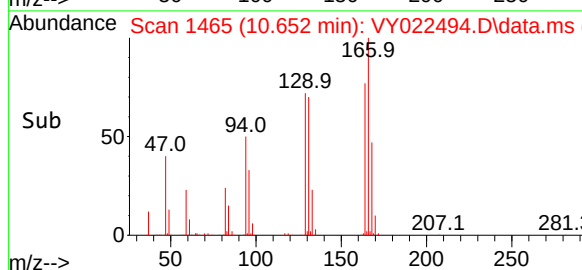
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

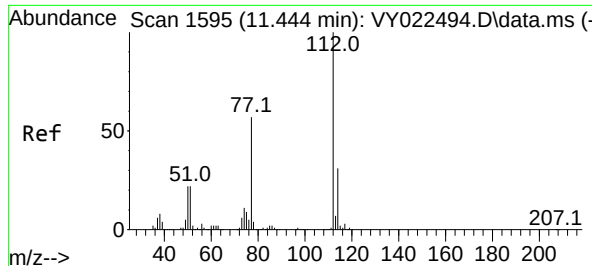


#64
Tetrachloroethene
Concen: 51.367 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



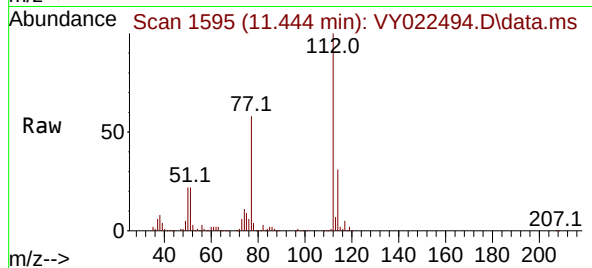
Tgt Ion:164 Resp: 130171
Ion Ratio Lower Upper
164 100
166 130.0 104.0 156.0
129 93.1 74.5 111.7
131 90.4 72.3 108.5





#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

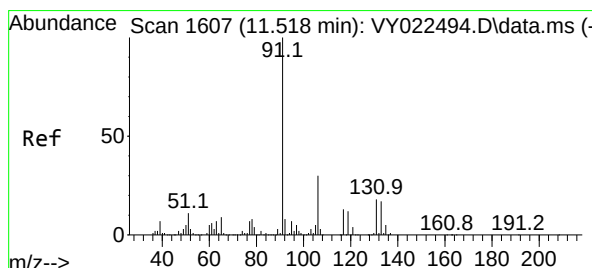
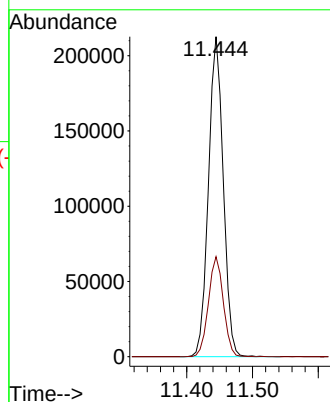
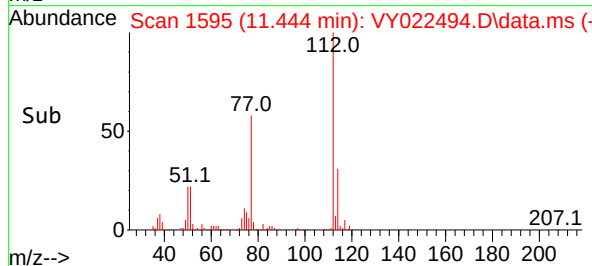
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 332649
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6

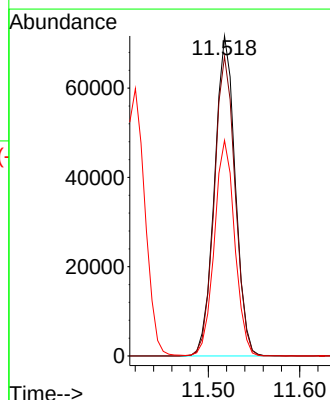
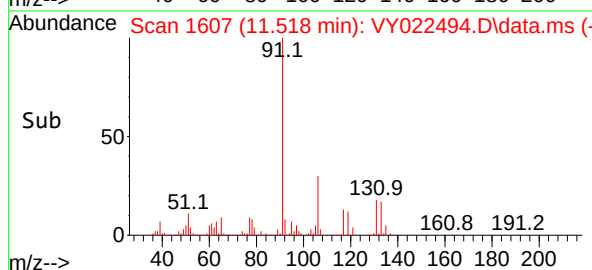
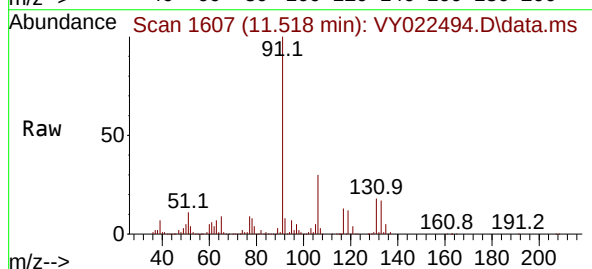
Manual Integrations
APPROVED

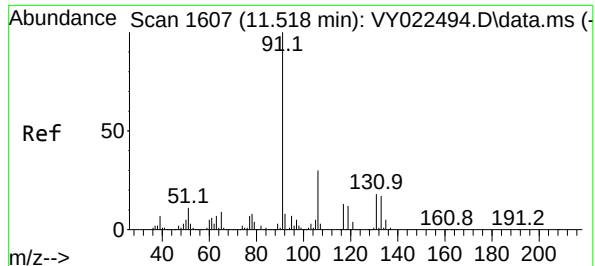
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

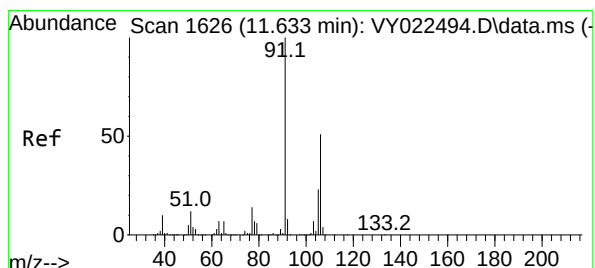
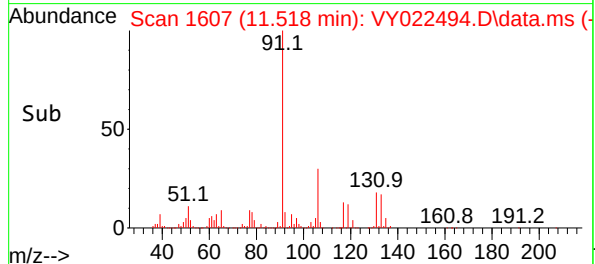
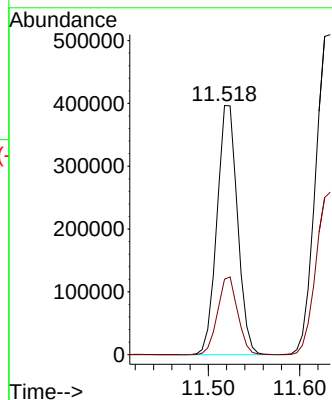
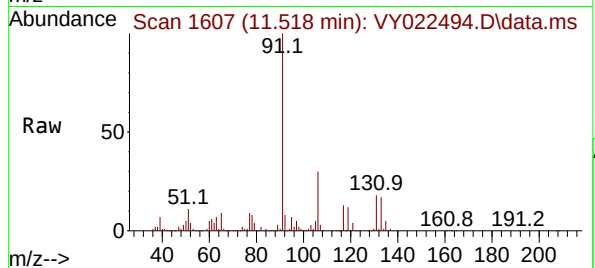
106 30.3 24.2 36.4

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

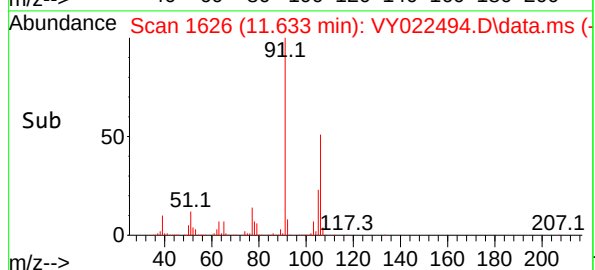
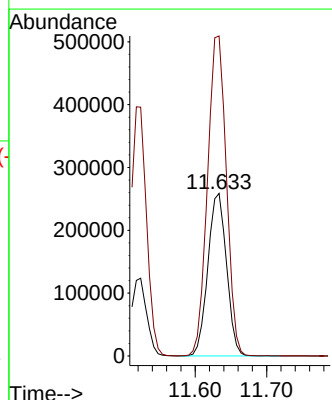
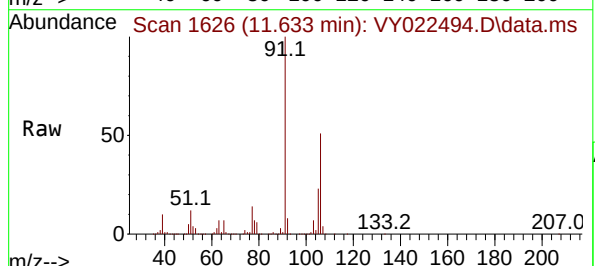
Acq: 02 Jun 2025 12:54

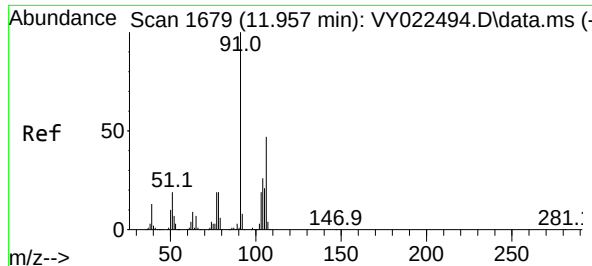
Tgt Ion:106 Resp: 468441

Ion Ratio Lower Upper

106 100

91 199.2 159.4 239.0





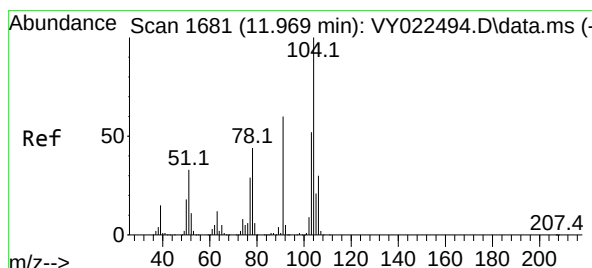
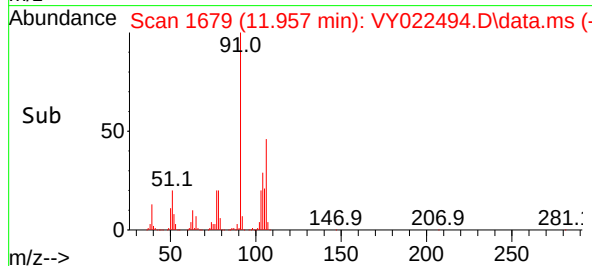
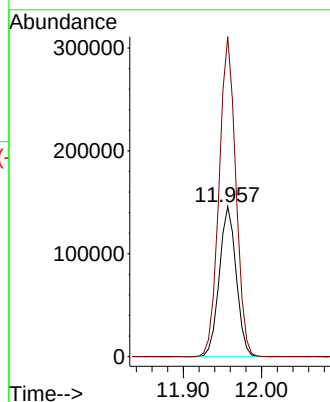
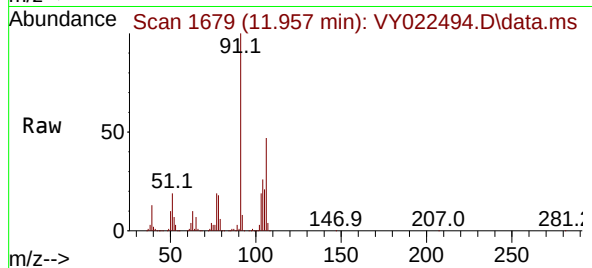
#69
o-Xylene
Concen: 51.293 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 218760
Ion Ratio Lower Upper
106 100
91 211.5 105.8 317.3

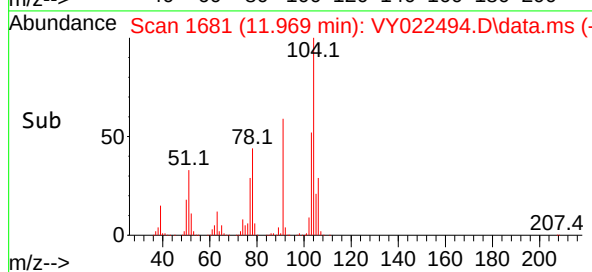
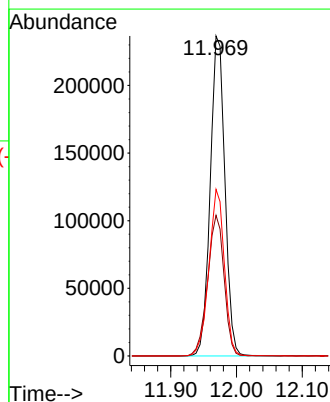
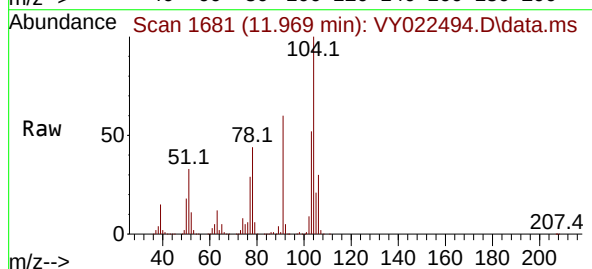
Manual Integrations
APPROVED

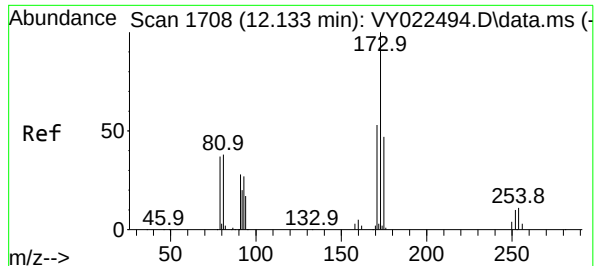
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

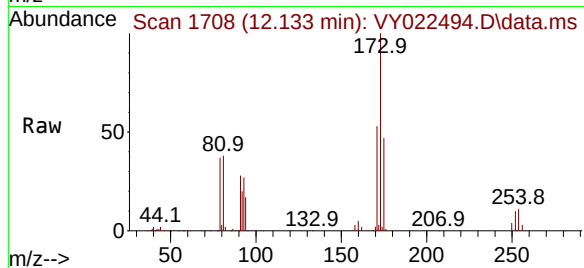
Tgt Ion:104 Resp: 367553
Ion Ratio Lower Upper
104 100
78 49.4 39.5 59.3
103 55.1 44.1 66.1





#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

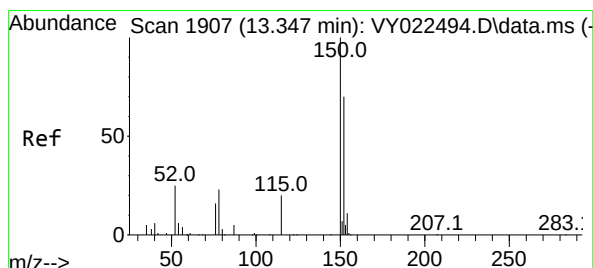
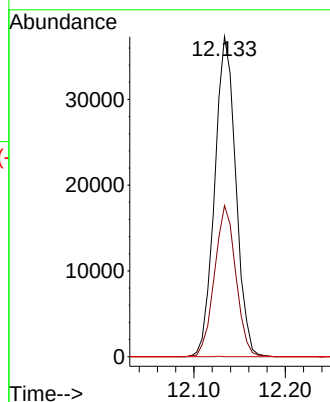
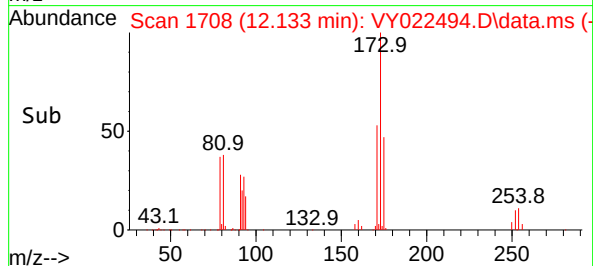
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



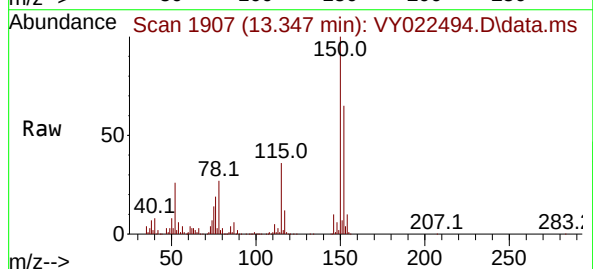
Tgt Ion:173 Resp: 5988
Ion Ratio Lower Upper
173 100
175 47.7 23.8 71.5
254 0.0 0.0 0.0

Manual Integrations
APPROVED

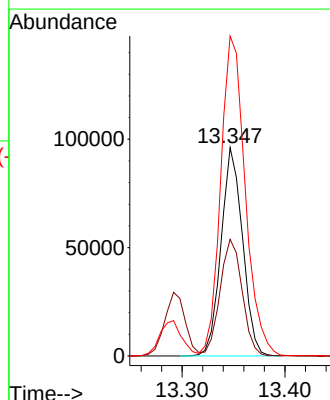
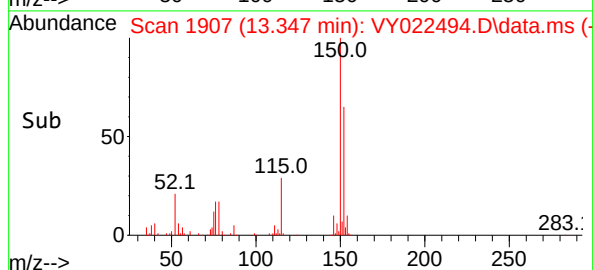
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

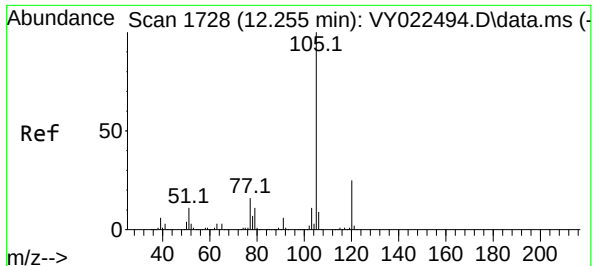


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



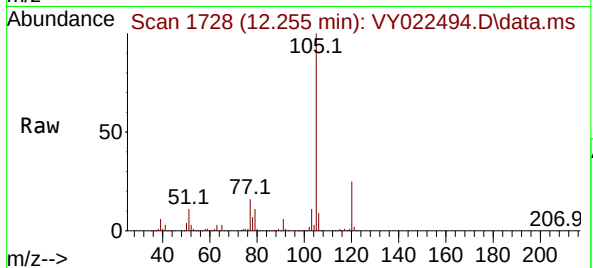
Tgt Ion:152 Resp: 139554
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.7
150 174.8 0.0 349.6





#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

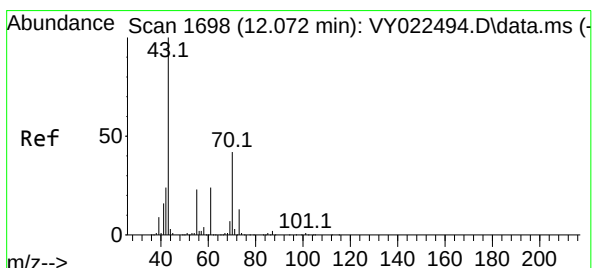
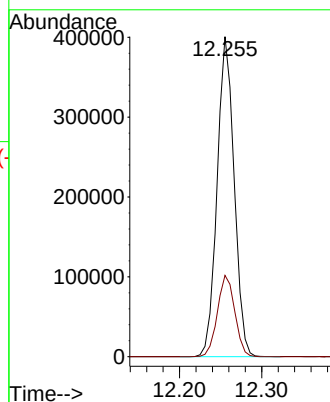
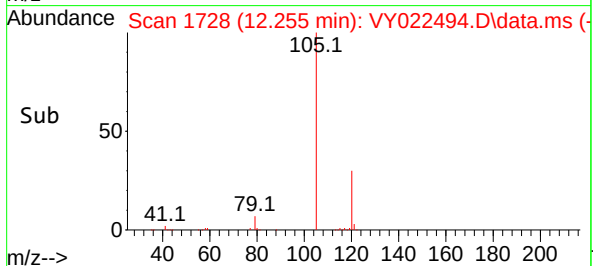
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 105 Resp: 57713
Ion Ratio Lower Upper
105 100
120 25.9 13.0 38.9

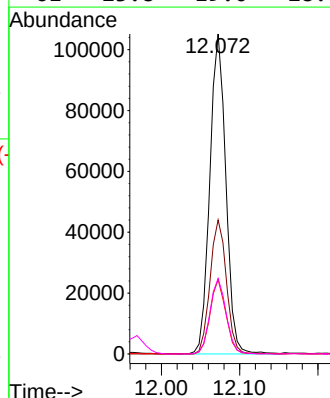
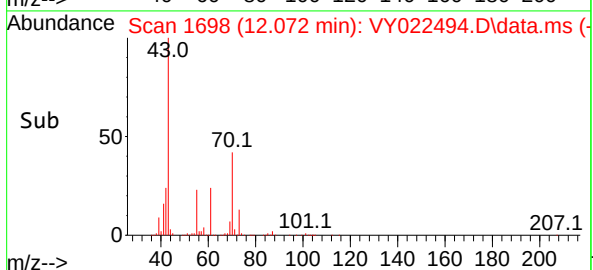
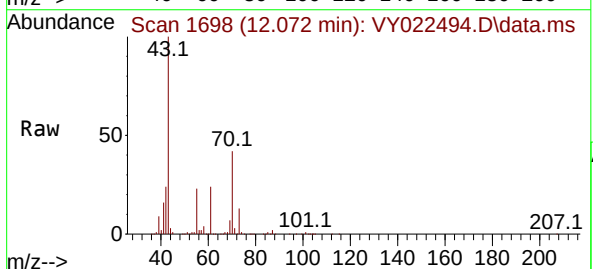
Manual Integrations
APPROVED

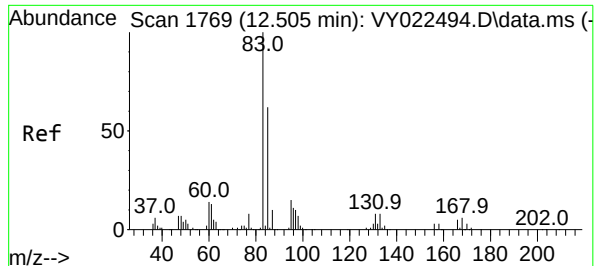
Reviewed By : Semsettin Yesilyurt 06/03/2025
Supervised By : Mahesh Dadoda 06/03/2025



#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 :

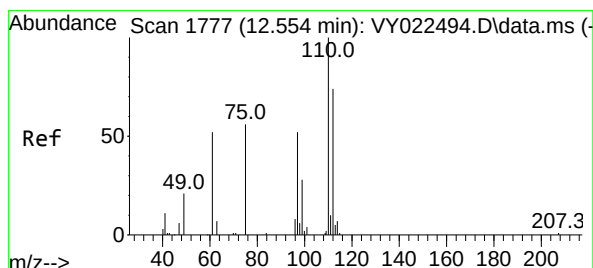
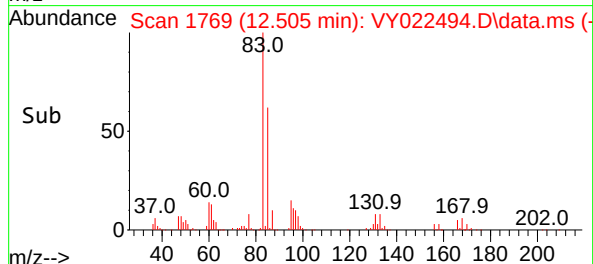
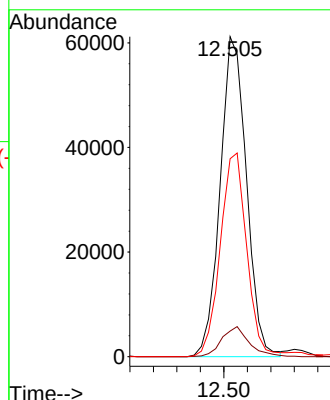
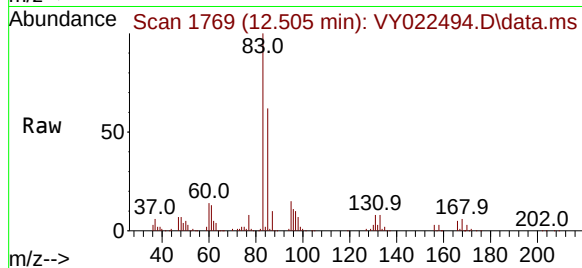
VSTDICCC050

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

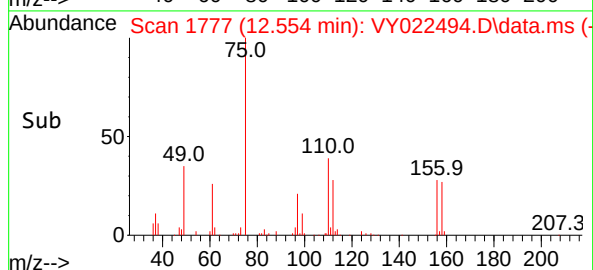
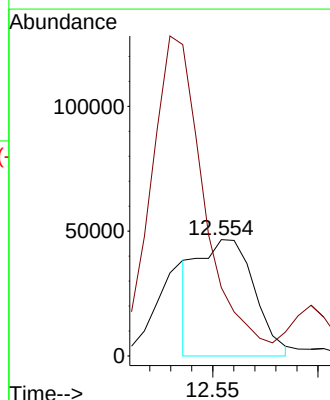
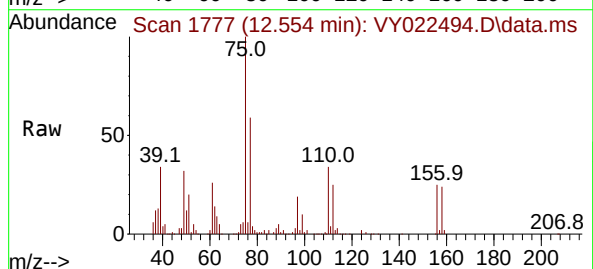
RT: 12.554 min Scan# 1777

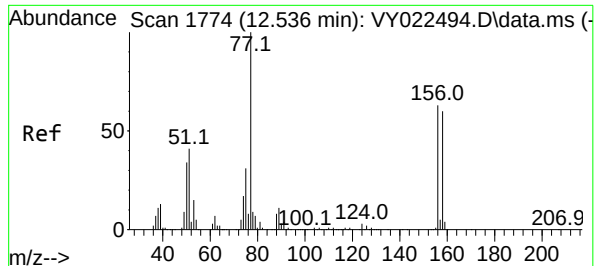
Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

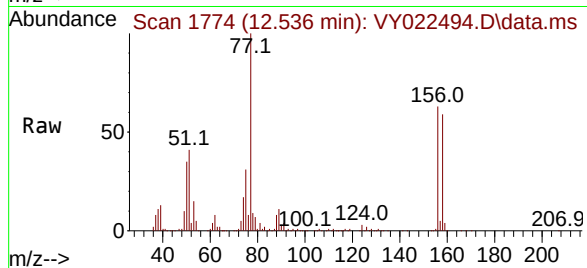
Tgt Ion:	75	Resp:	87965
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#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

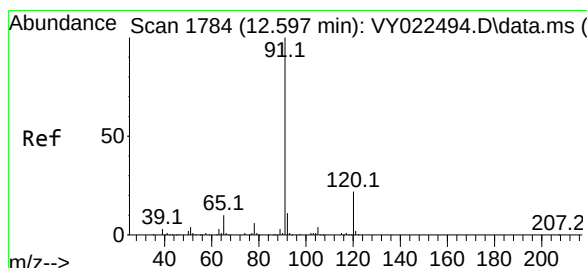
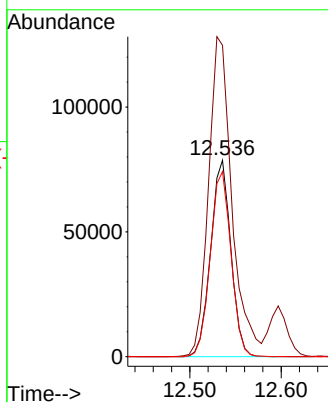
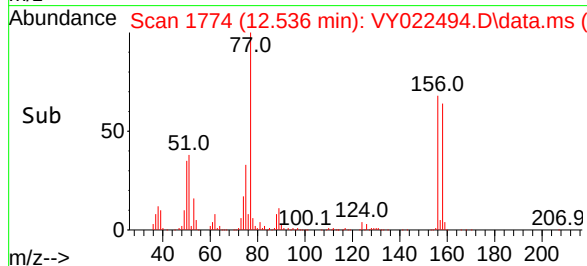
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

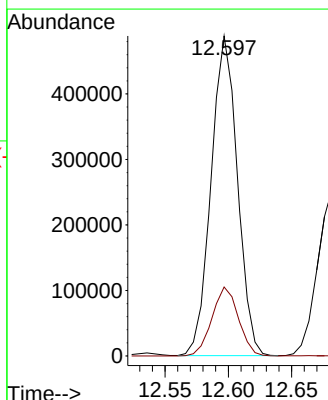
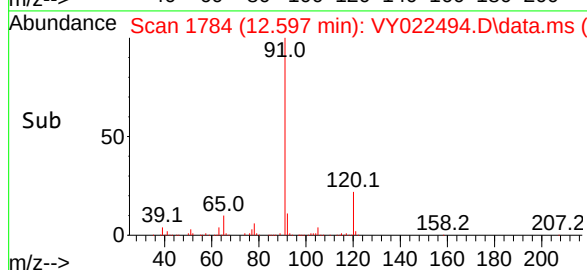
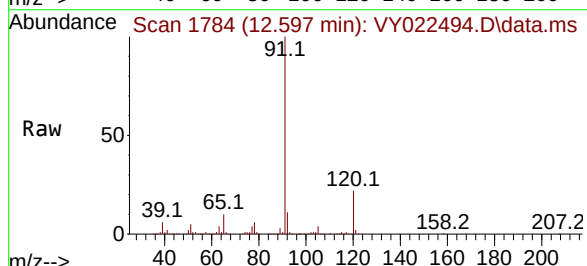
Manual Integrations
APPROVED

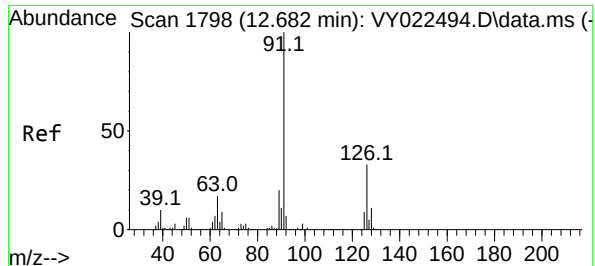
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





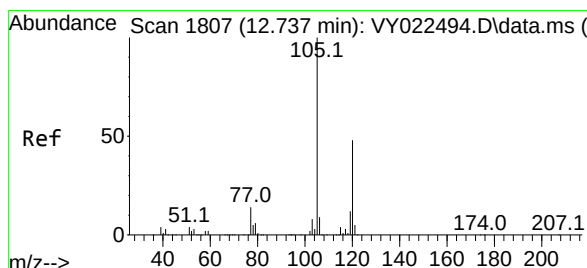
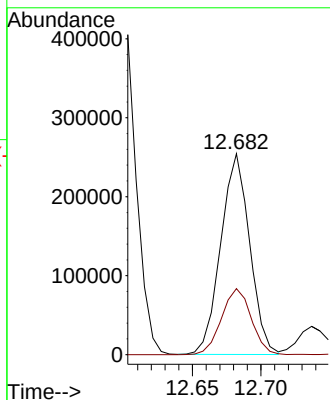
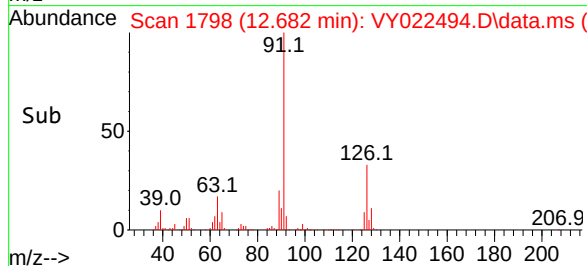
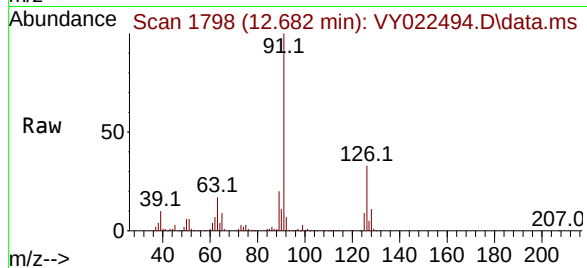
#79
2-Chlorotoluene
Concen: 51.670 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 373402
Ion Ratio Lower Upper
91 100
126 34.0 17.0 51.0

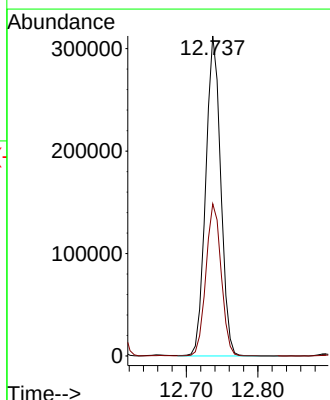
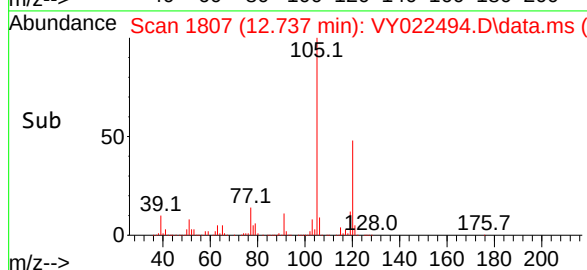
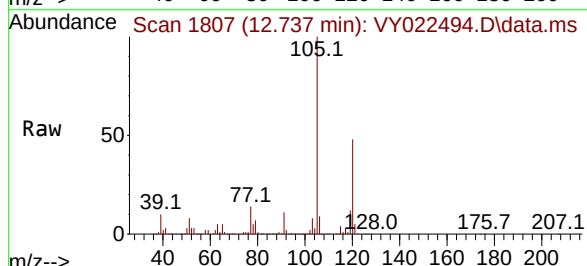
Manual Integrations
APPROVED

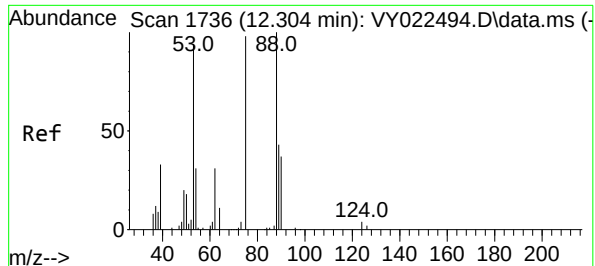
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

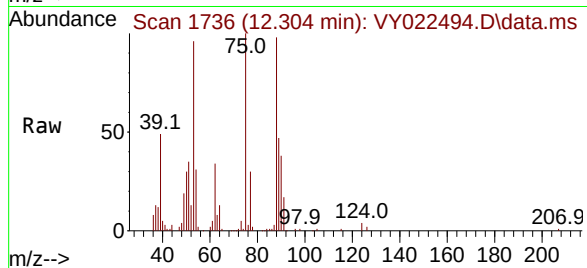
Tgt Ion:105 Resp: 455006
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.4





#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

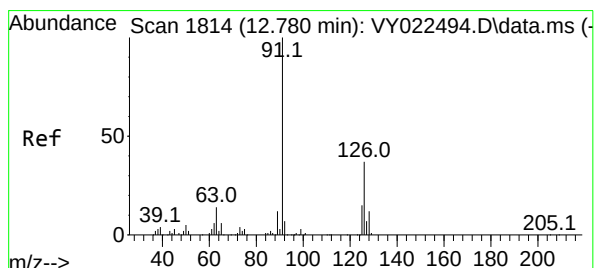
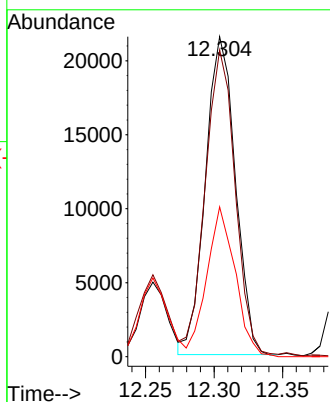
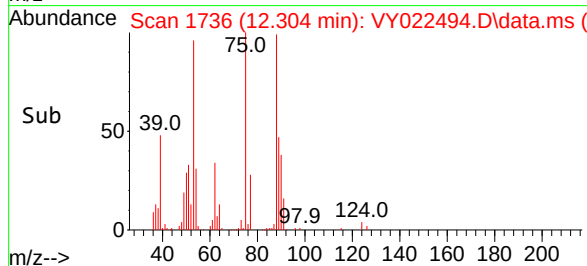
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

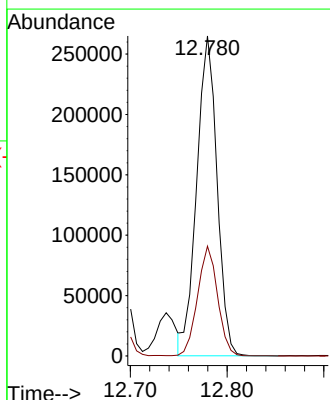
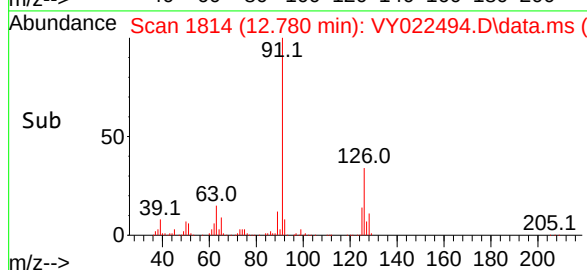
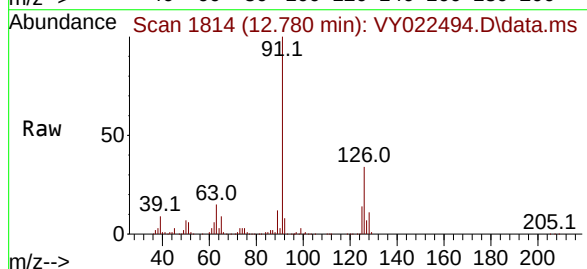
Manual Integrations
APPROVED

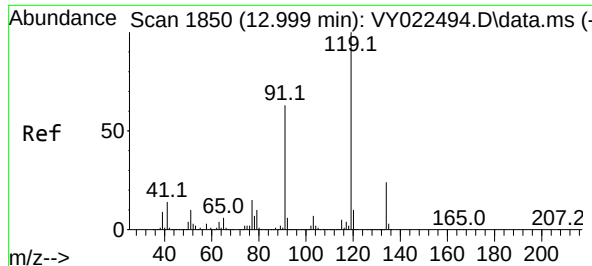
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

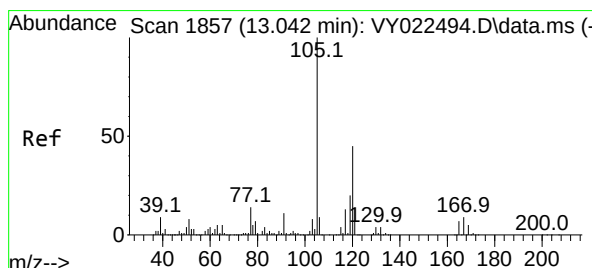
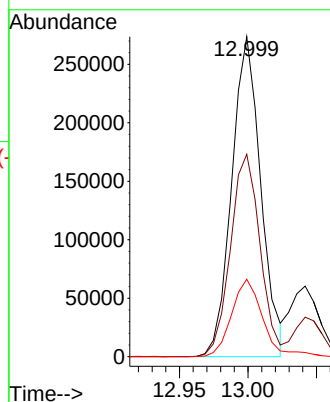
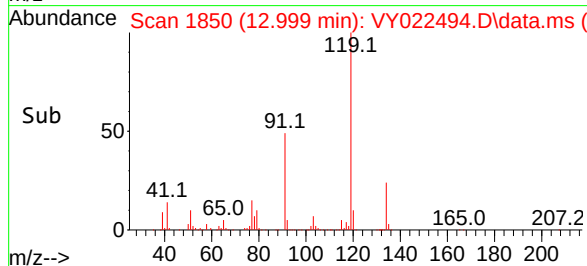
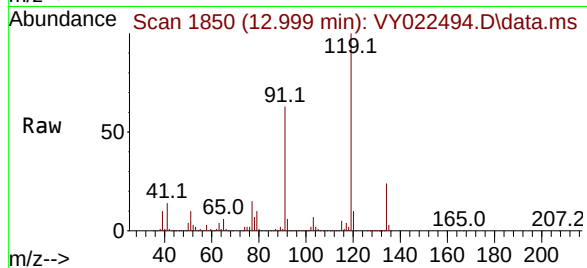
134 25.9 13.0 38.9

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

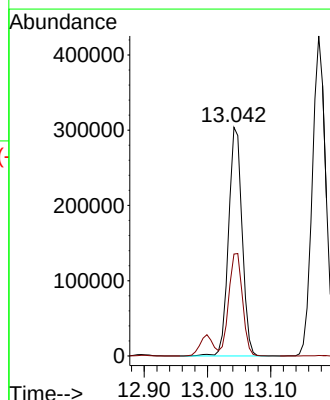
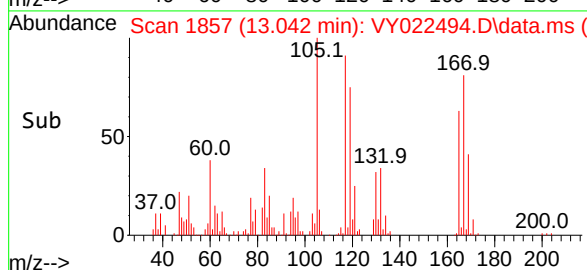
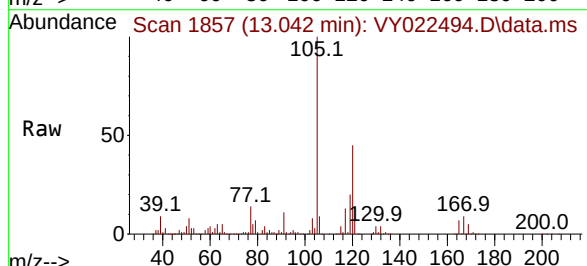
Acq: 02 Jun 2025 12:54

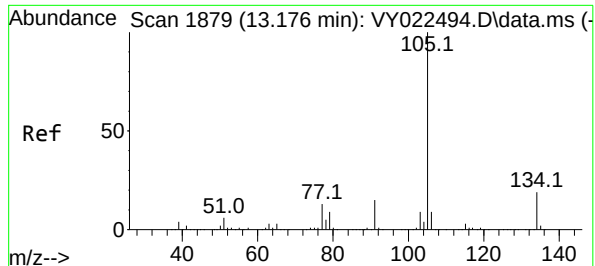
Tgt Ion:105 Resp: 449372

Ion Ratio Lower Upper

105 100

120 45.4 22.7 68.1





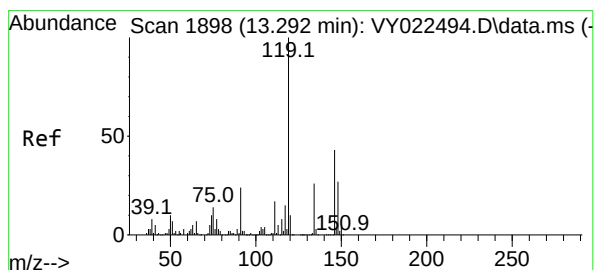
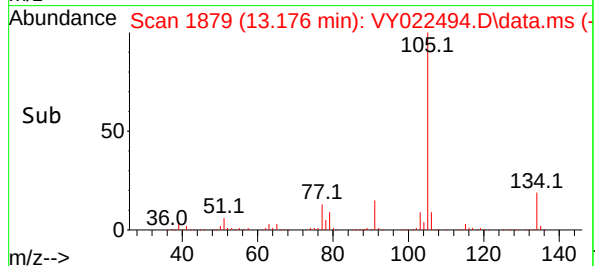
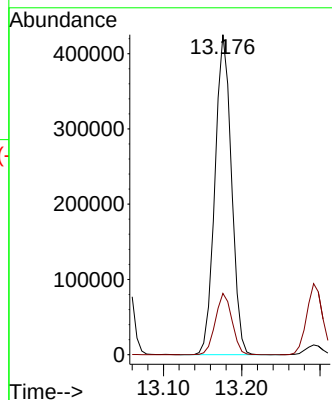
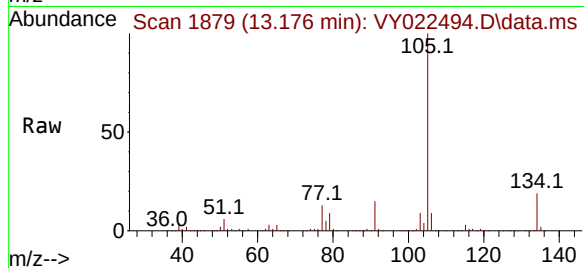
#85
sec-Butylbenzene
Concen: 51.250 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 62318
Ion Ratio Lower Upper
105 100
134 19.3 9.7 28.9

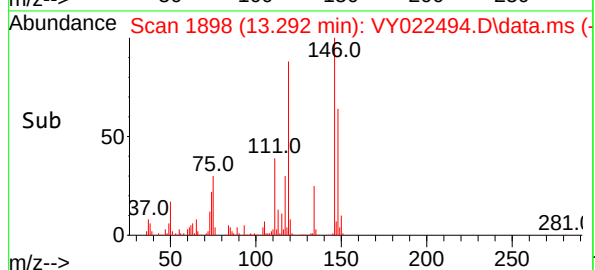
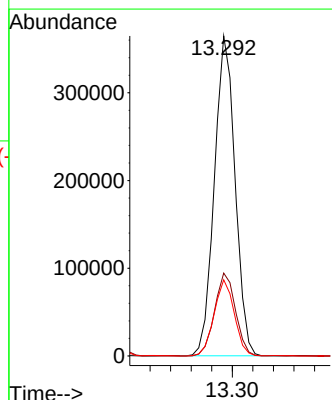
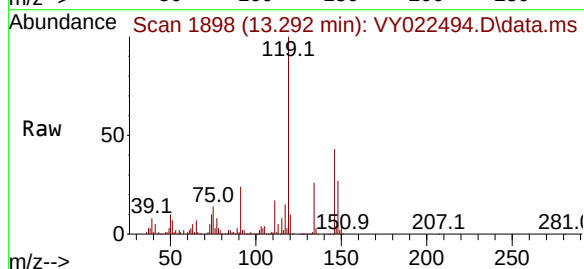
Manual Integrations
APPROVED

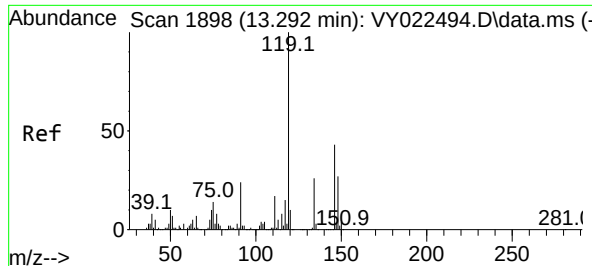
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

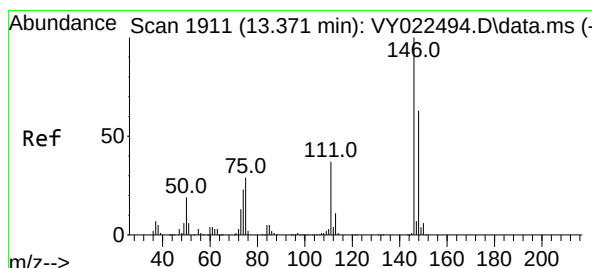
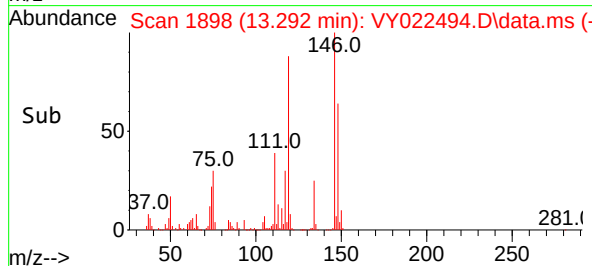
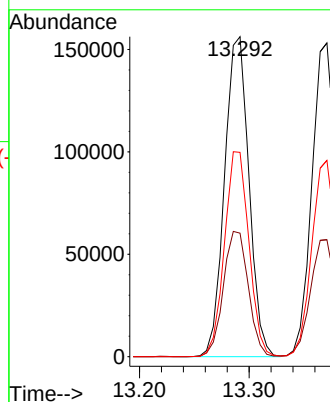
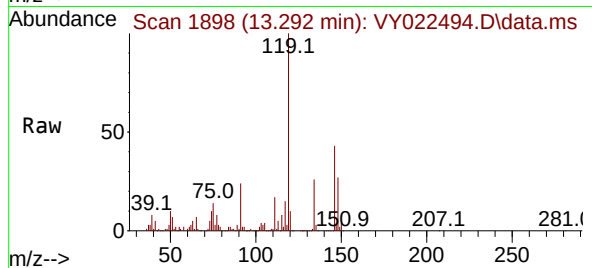
148 64.2 32.1 96.3

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

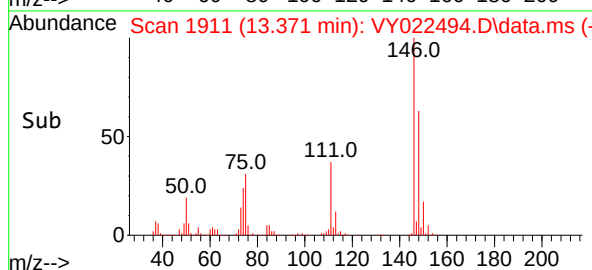
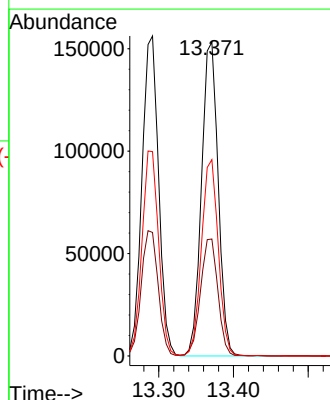
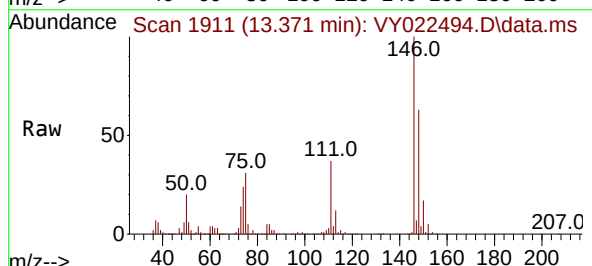
Tgt Ion:146 Resp: 237429

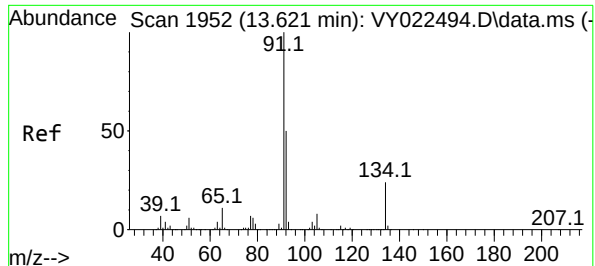
Ion Ratio Lower Upper

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 :

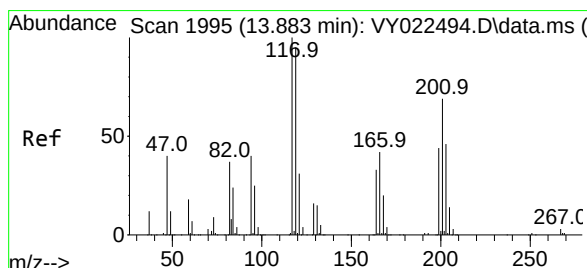
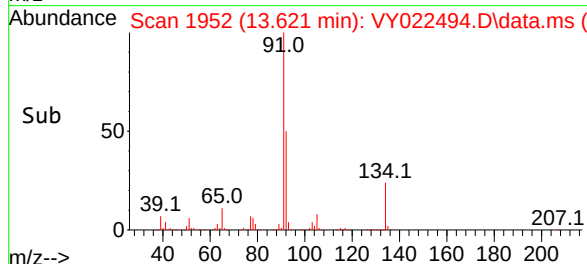
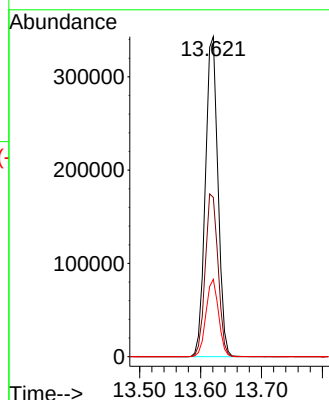
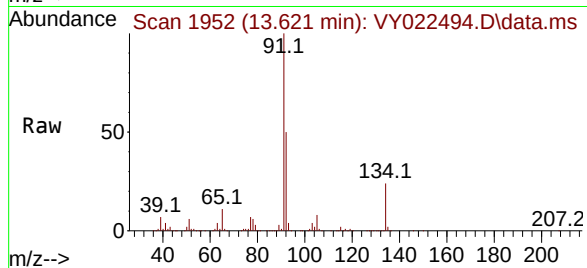
VSTDICCC050

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

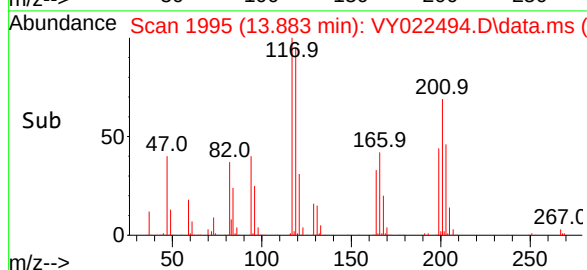
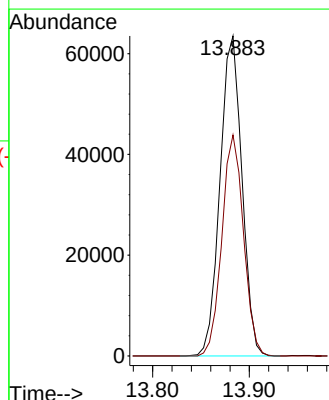
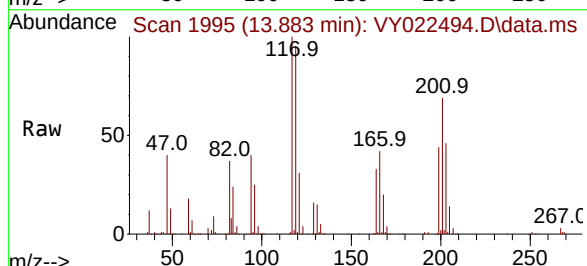
RT: 13.883 min Scan# 1995

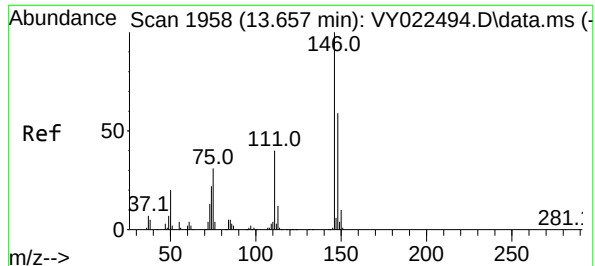
Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

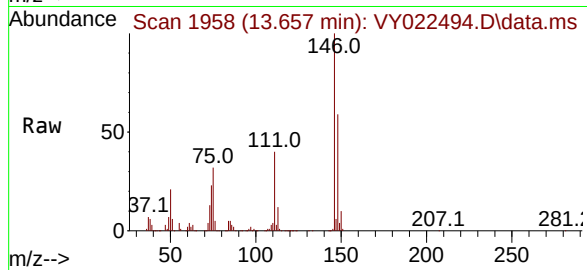
Tgt Ion:	117	Resp:	99901
Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.0	102.0





#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

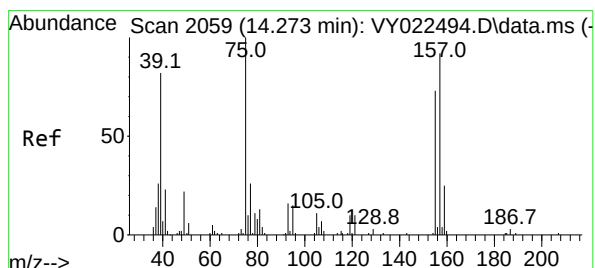
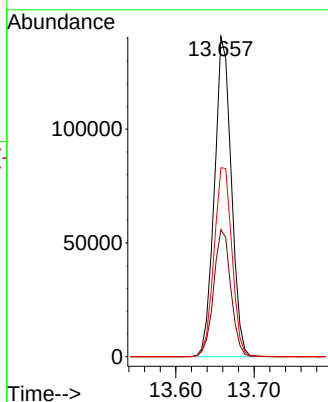
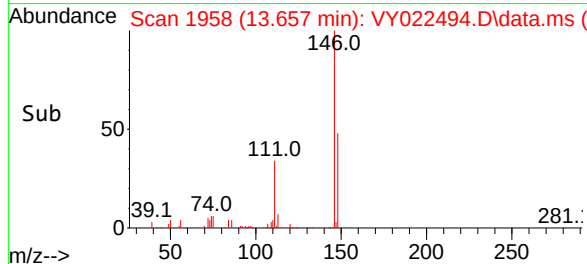
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



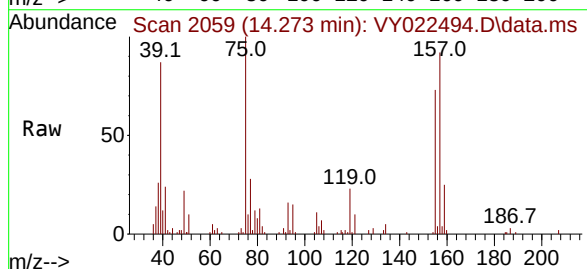
Tgt Ion:146 Resp: 211065
Ion Ratio Lower Upper
146 100
111 40.4 20.2 60.6
148 62.7 31.4 94.0

Manual Integrations
APPROVED

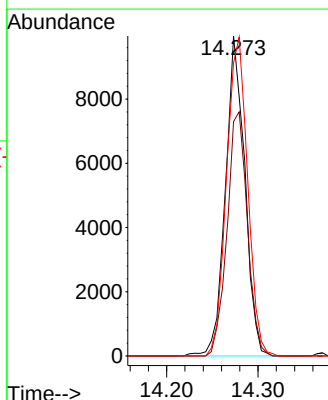
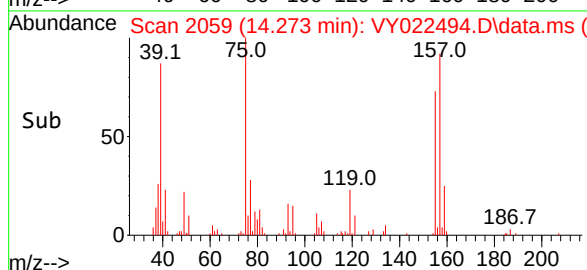
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

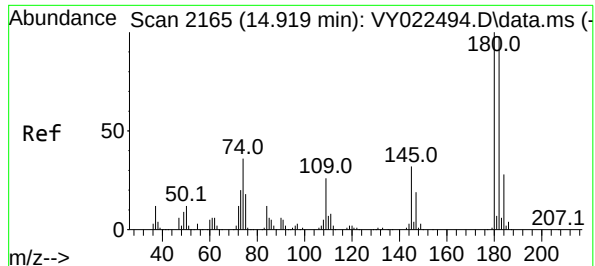


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.244 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54



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 :

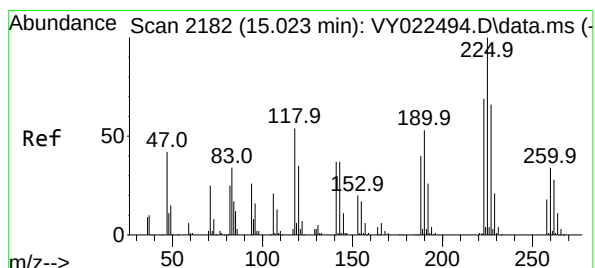
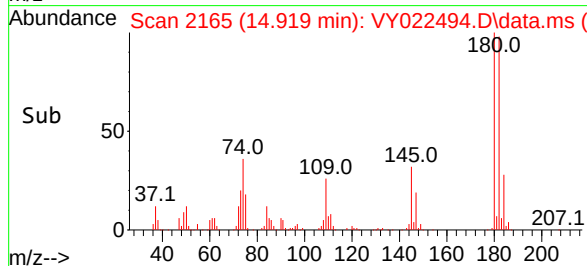
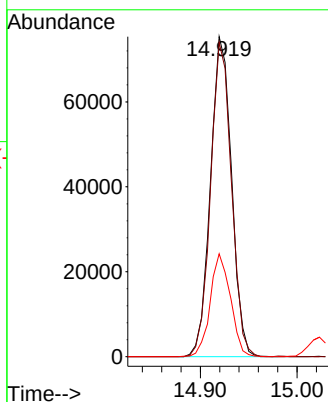
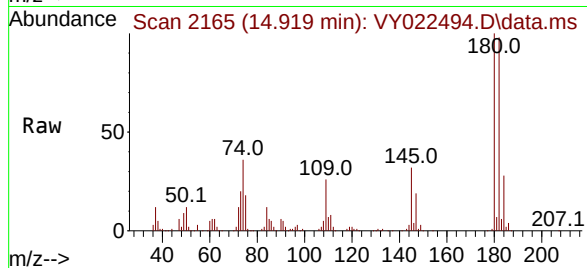
VSTDICCC050

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

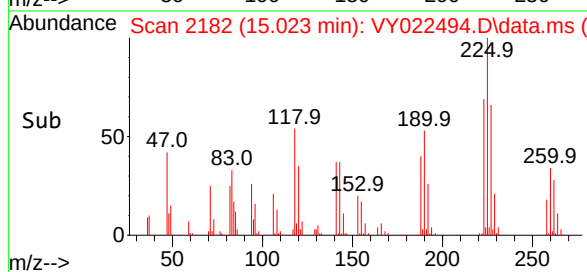
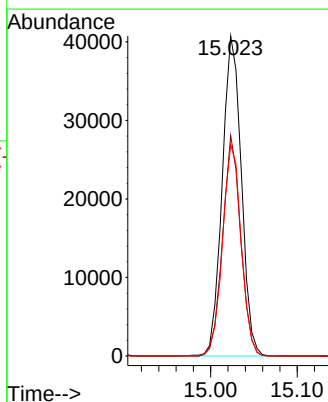
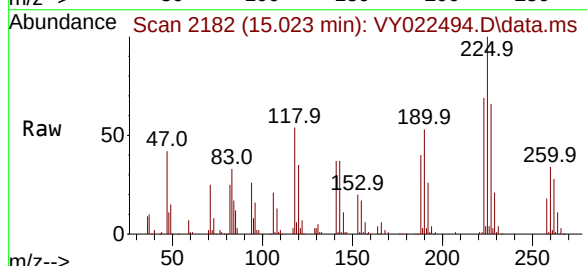
RT: 15.023 min Scan# 2182

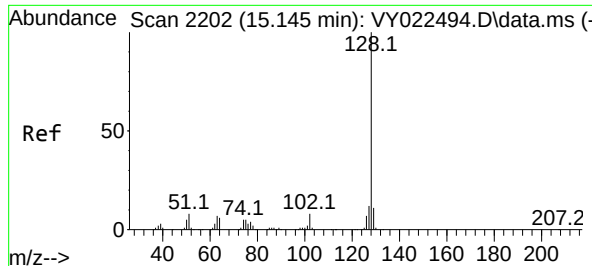
Delta R.T. 0.000 min

Lab File: VY022494.D

Acq: 02 Jun 2025 12:54

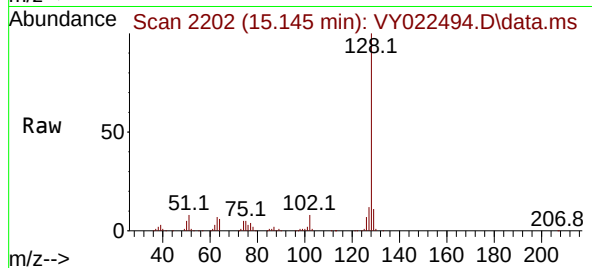
Tgt Ion:	225	Resp:	62434
Ion Ratio	Lower	Upper	
225	100		
223	64.9	32.5	97.4
227	64.6	32.3	96.9





#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

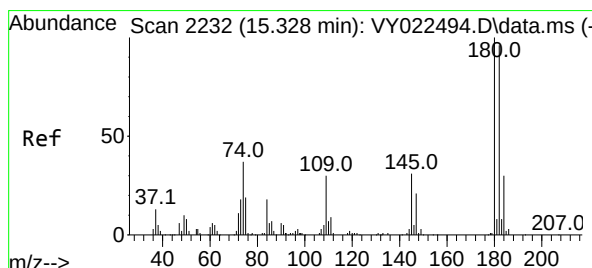
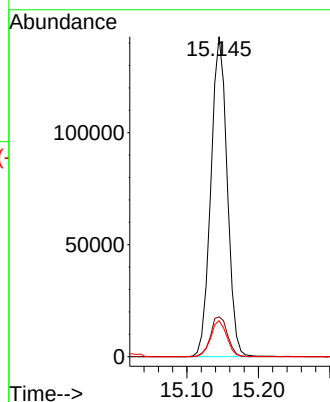
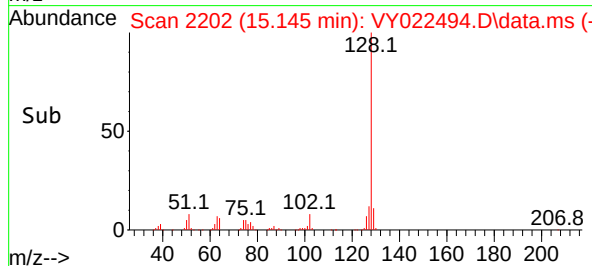
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 226073
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.1 8.9 13.3

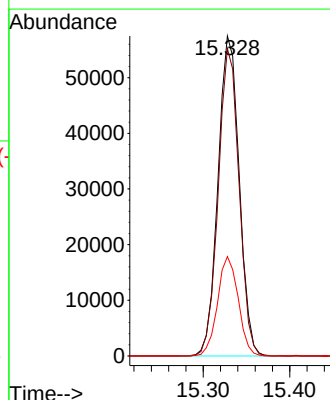
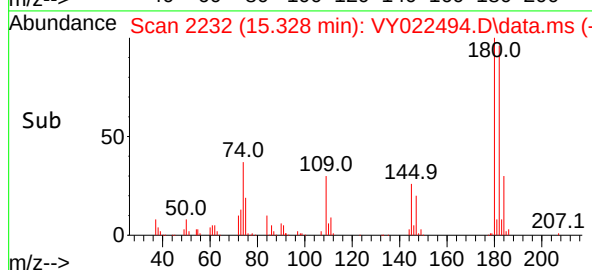
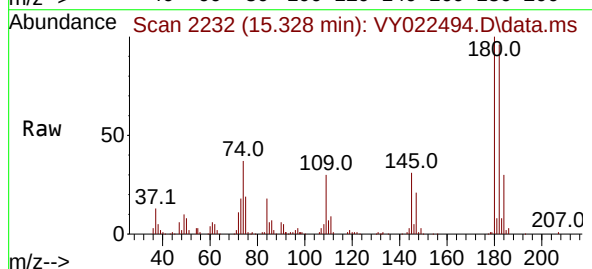
Manual Integrations
APPROVED

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

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

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

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

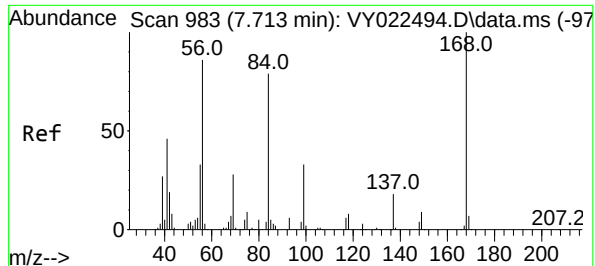
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations

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: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

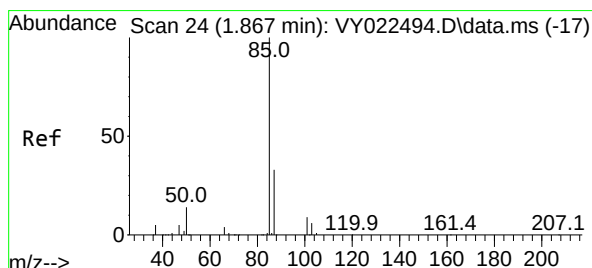
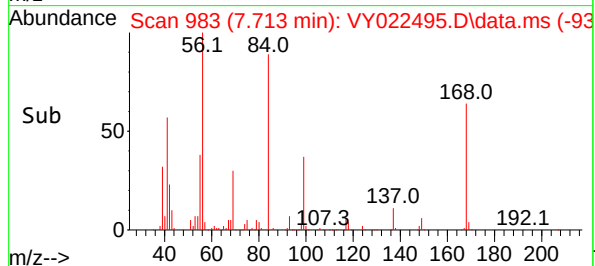
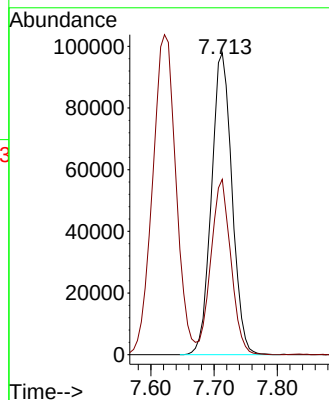
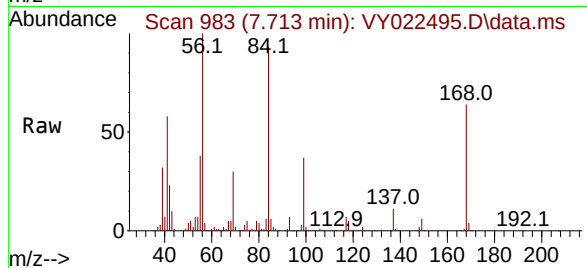
Tgt Ion:168 Resp: 220560
Ion Ratio Lower Upper
168 100
99 58.1 44.3 66.5

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

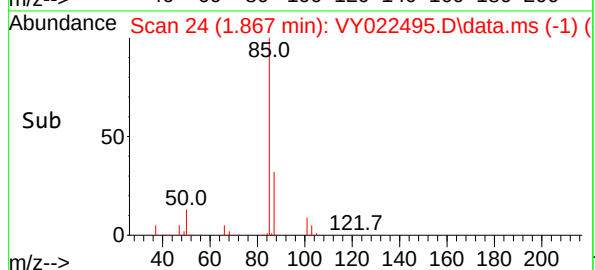
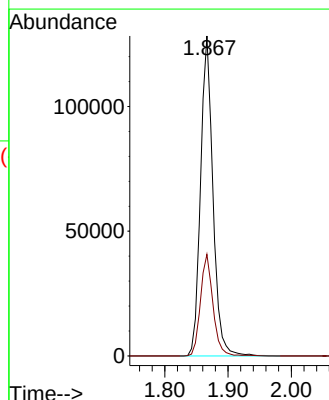
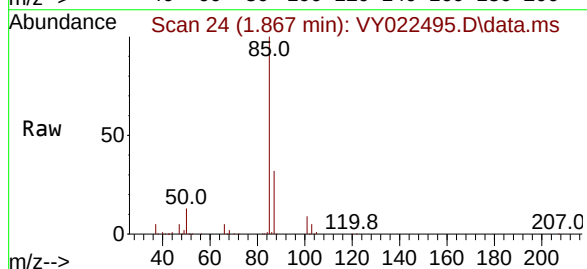
06/03/2025
Supervised By :Mahesh
Dadoda

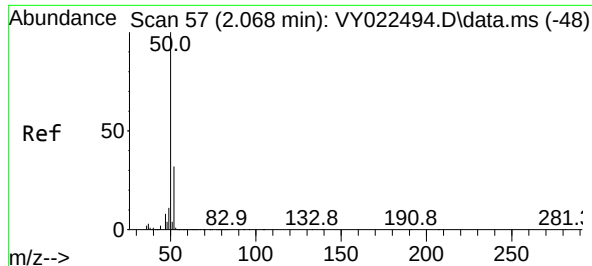
06/03/2025



#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

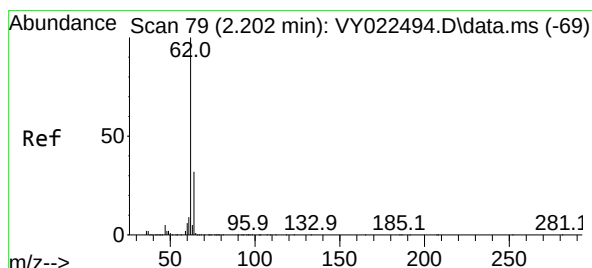
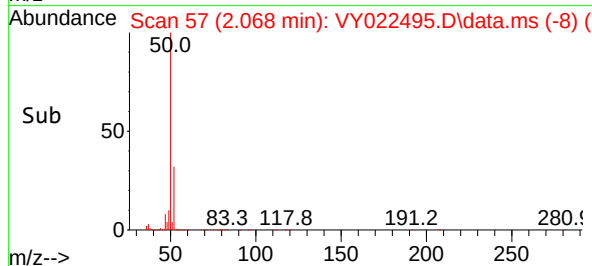
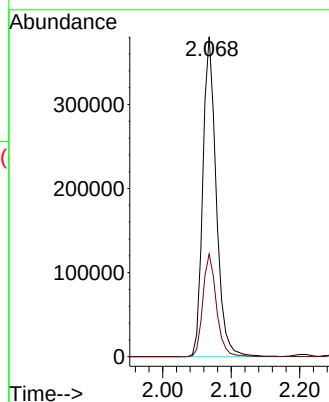
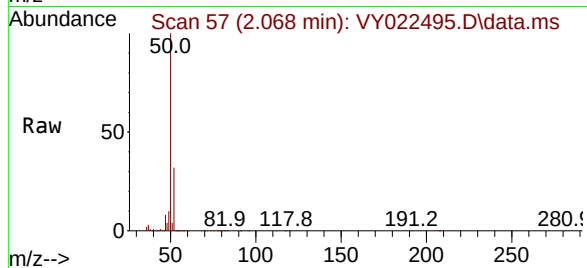
APPROVED

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

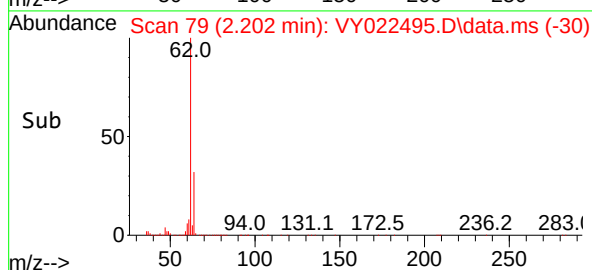
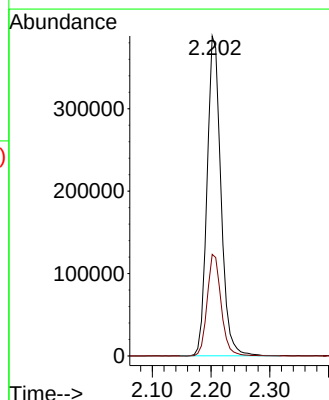
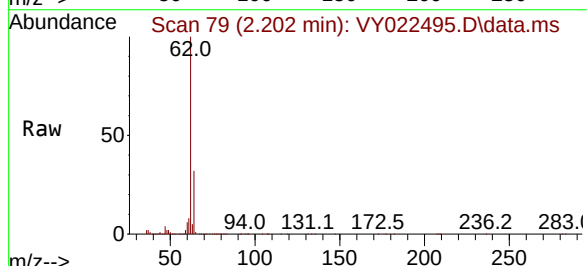
Acq: 02 Jun 2025 13:17

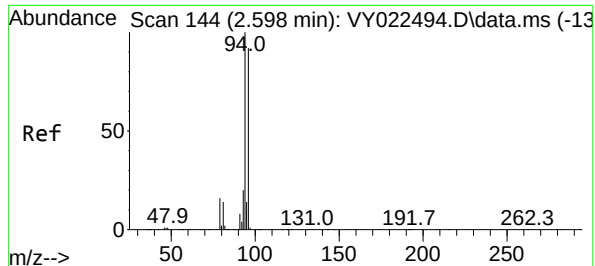
Tgt Ion: 62 Resp: 636843

Ion Ratio Lower Upper

62 100

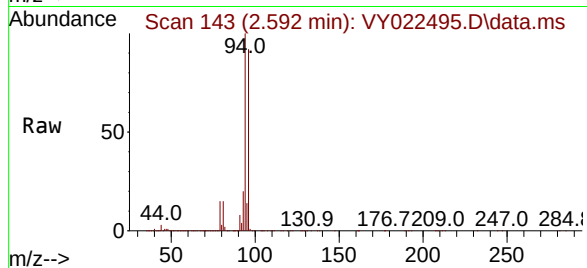
64 31.7 25.3 37.9





#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



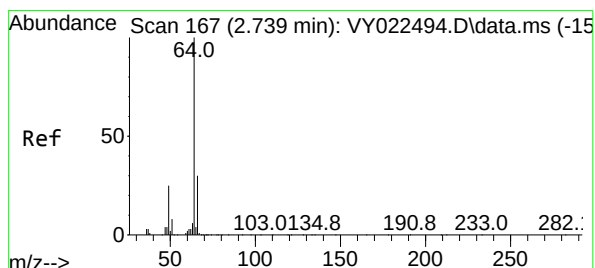
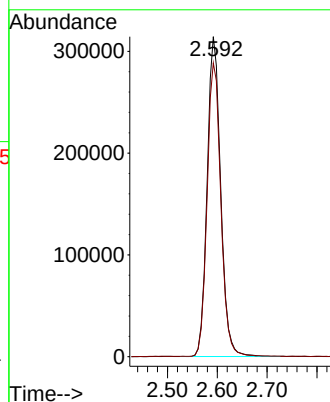
Tgt Ion: 94 Resp: 591589
Ion Ratio Lower Upper
94 100
96 91.7 74.0 111.0

Manual Integrations
APPROVED

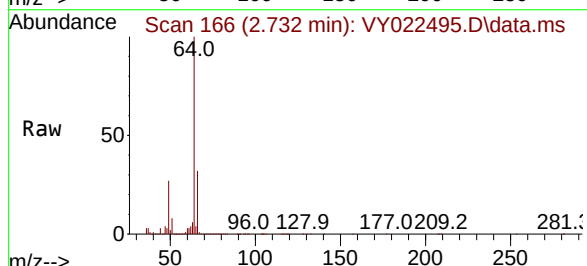
Reviewed By :Semsettin
Yesilyurt

06/03/2025
Supervised By :Mahesh
Dadoda

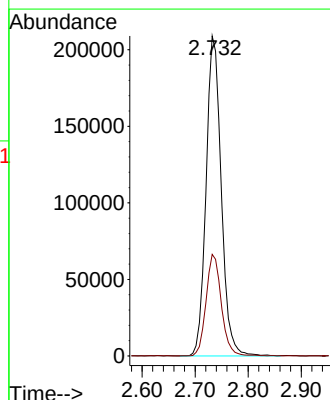
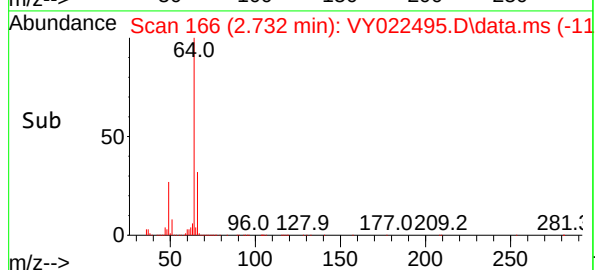
06/03/2025

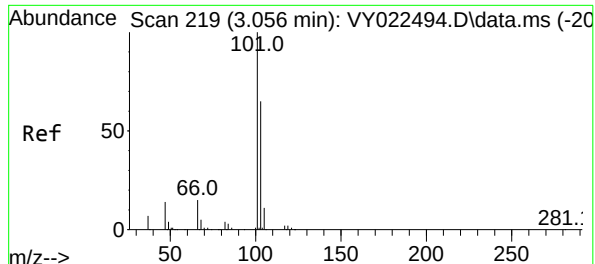


#6
Chloroethane
Concen: 91.070 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17



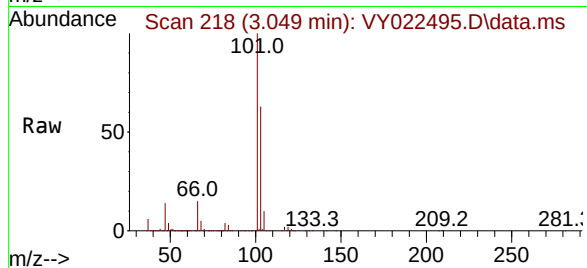
Tgt Ion: 64 Resp: 414935
Ion Ratio Lower Upper
64 100
66 31.7 23.8 35.6





#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



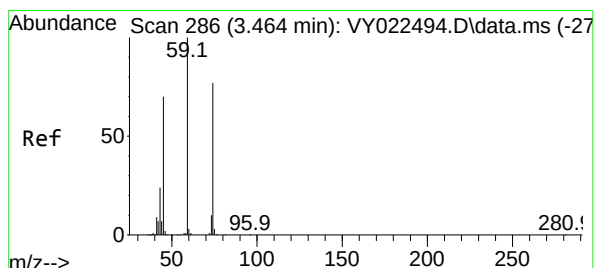
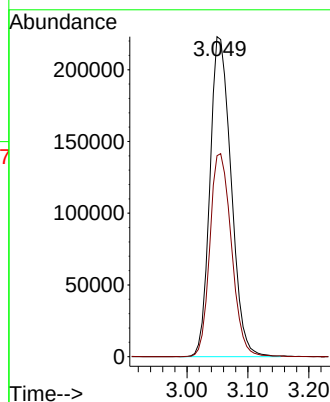
Tgt Ion:101 Resp: 53932
Ion Ratio Lower Upper
101 100
103 62.8 52.2 78.2

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

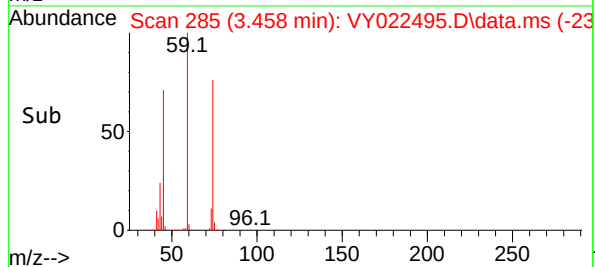
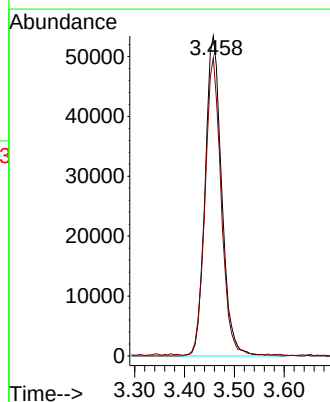
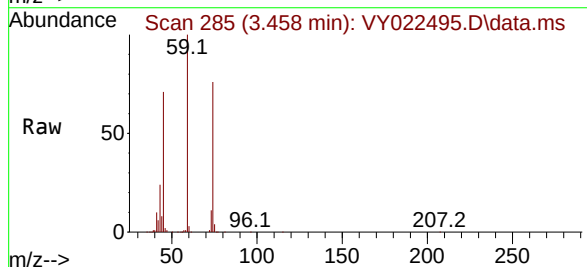
06/03/2025
Supervised By :Mahesh
Dadoda

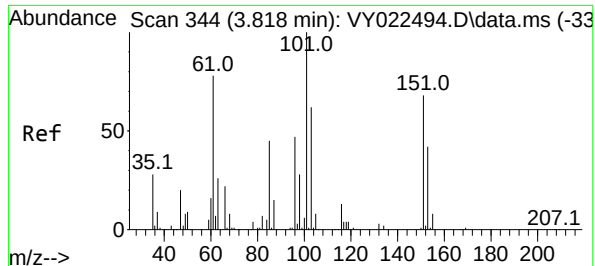
06/03/2025



#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

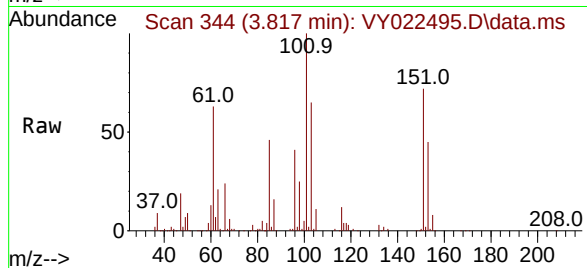
Tgt Ion: 74 Resp: 122923
Ion Ratio Lower Upper
74 100
45 90.6 45.9 137.6





#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



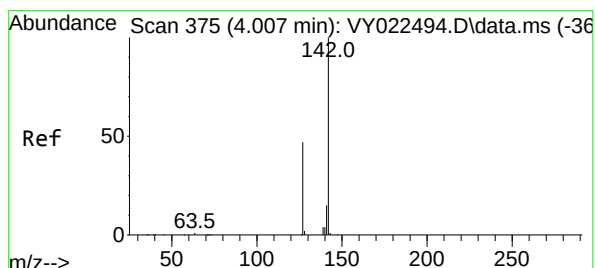
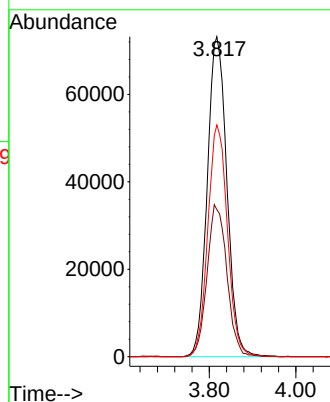
Tgt Ion:101 Resp: 230240
Ion Ratio Lower Upper
101 100
85 48.1 39.3 58.9
151 72.4 57.8 86.8

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

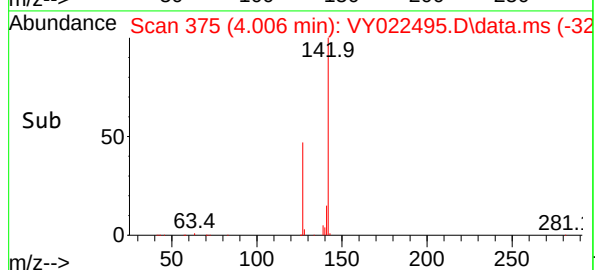
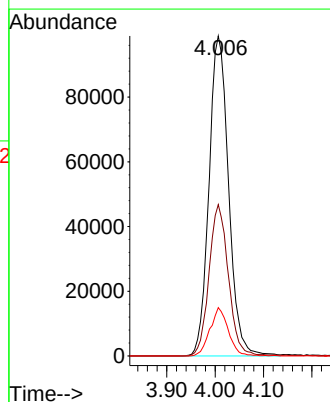
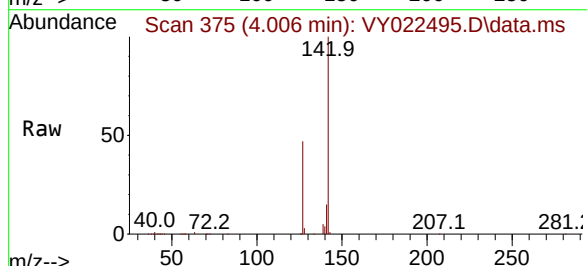
06/03/2025
Supervised By :Mahesh
Dadoda

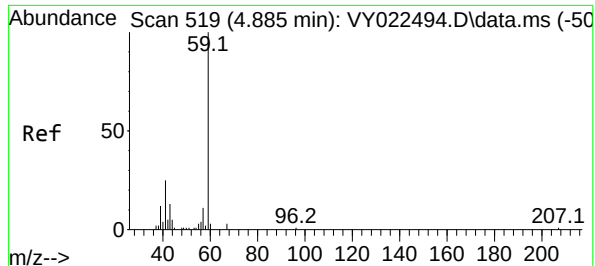
06/03/2025



#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 :

VSTDICC100

Tgt Ion: 59 Resp: 83900

Ion Ratio Lower Upper

59 100

57 5.4 8.0 12.0

Manual Integrations

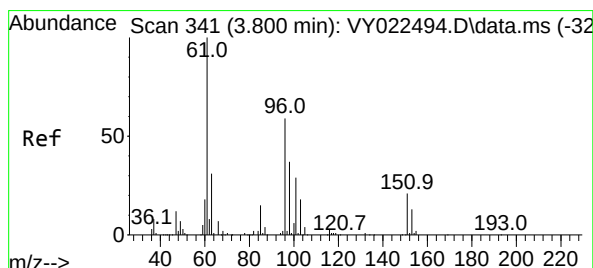
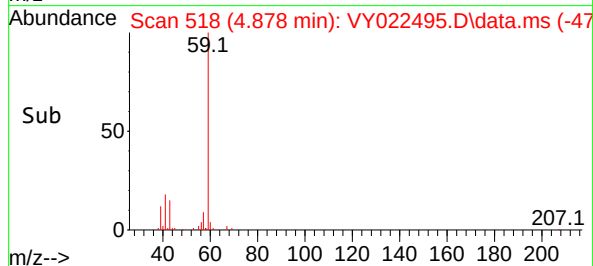
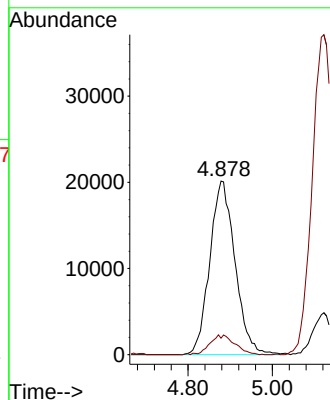
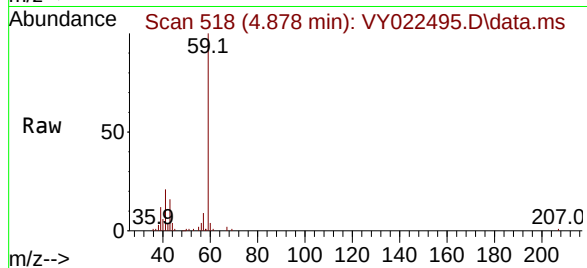
APPROVED

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

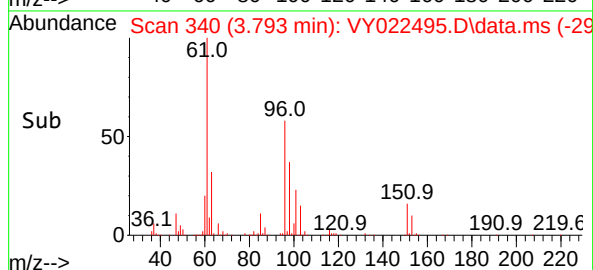
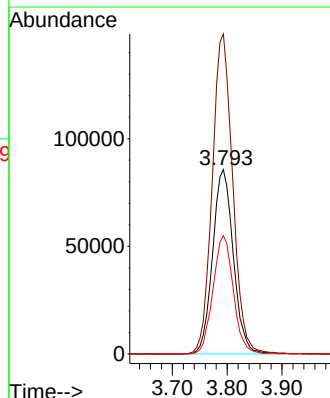
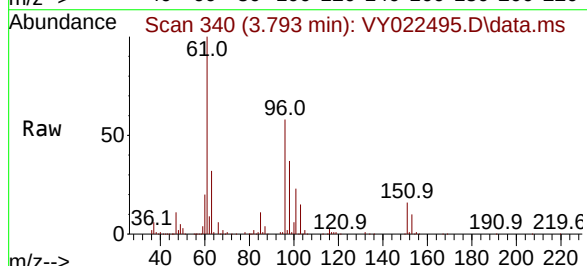
Tgt Ion: 96 Resp: 224855

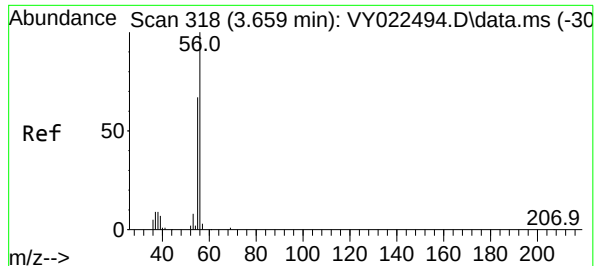
Ion Ratio Lower Upper

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

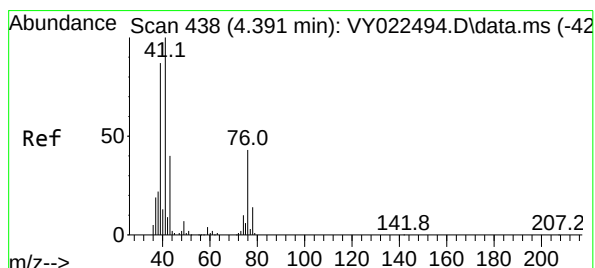
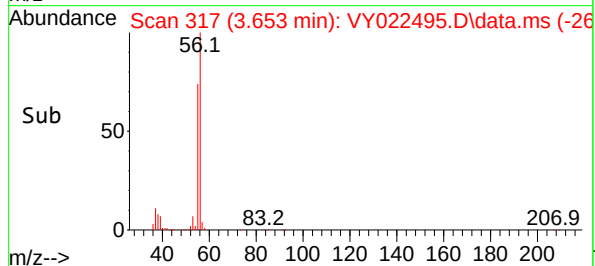
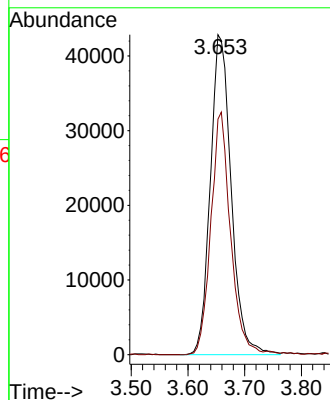
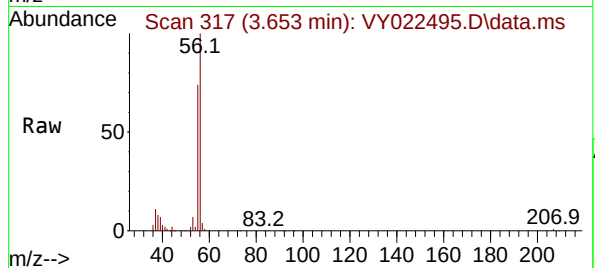
APPROVED

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

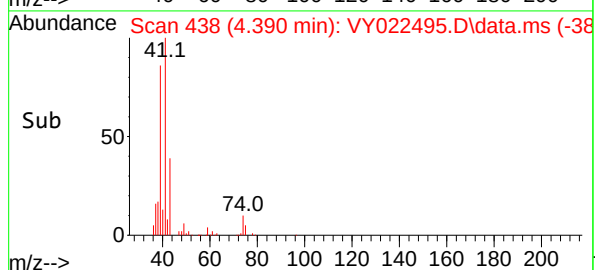
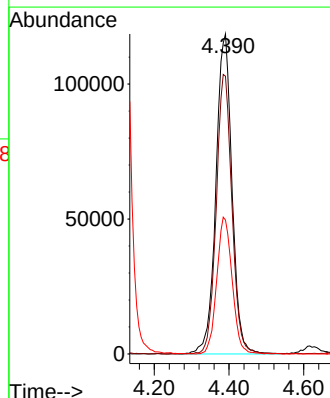
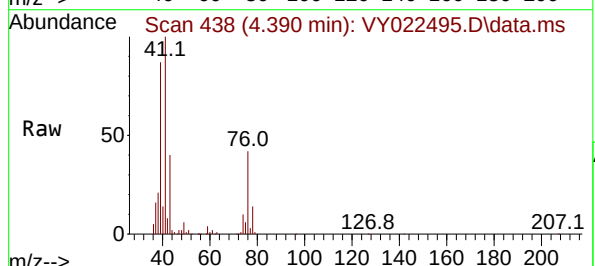
Tgt Ion: 41 Resp: 354774

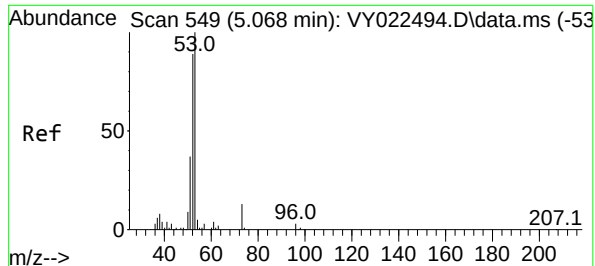
Ion Ratio Lower Upper

41 100

39 85.0 69.1 103.7

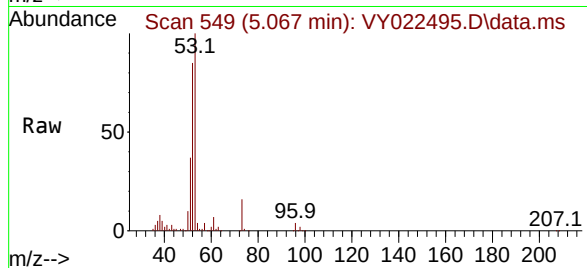
76 40.8 33.5 50.3





#15
Acrylonitrile
Concen: 507.168 ug/l
RT: 5.067 min Scan# 549
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



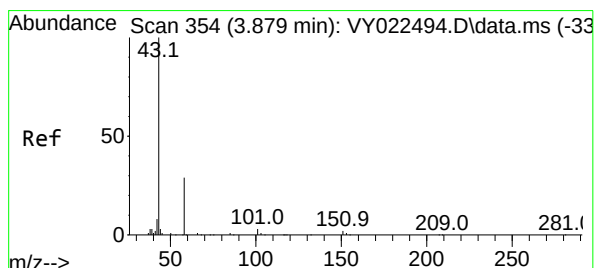
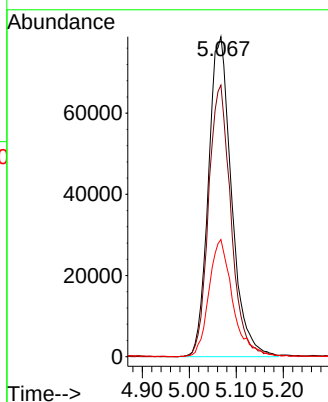
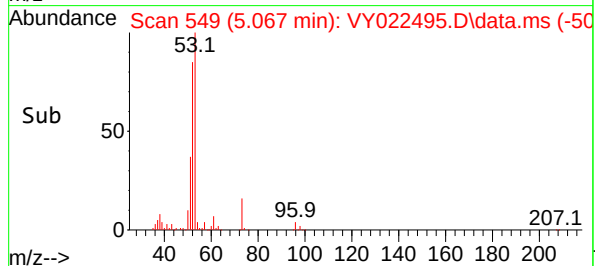
Tgt Ion: 53 Resp: 26941
Ion Ratio Lower Upper
53 100
52 82.3 65.7 98.5
51 37.8 30.1 45.1

Manual Integrations
APPROVED

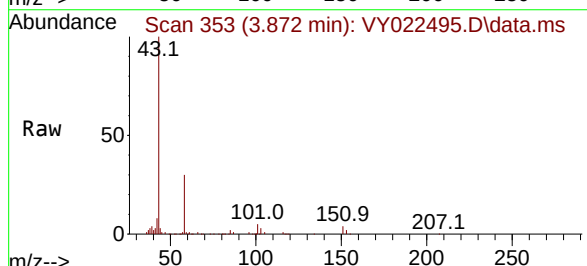
Reviewed By :Semsettin
Yesilyurt

06/03/2025
Supervised By :Mahesh
Dadoda

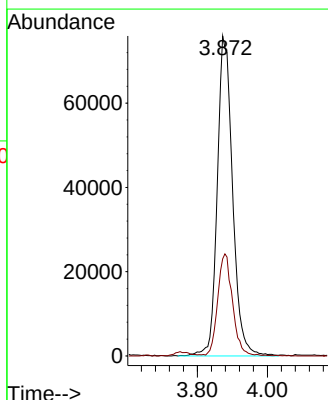
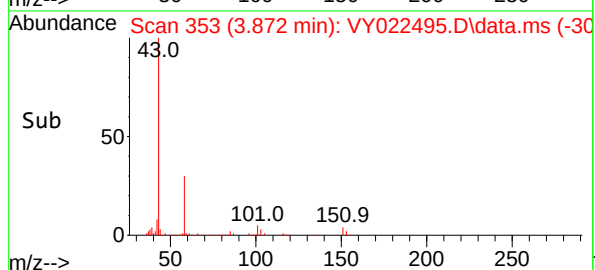
06/03/2025

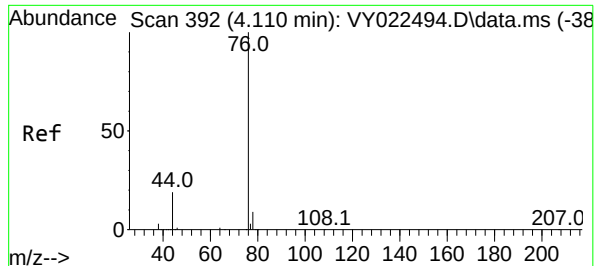


#16
Acetone
Concen: 487.310 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17



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 :

VSTDIC100

Tgt Ion: 76 Resp: 722508

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2

Manual Integrations

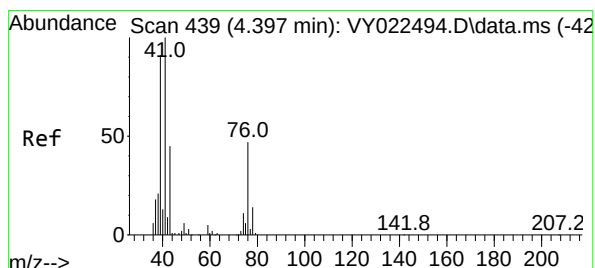
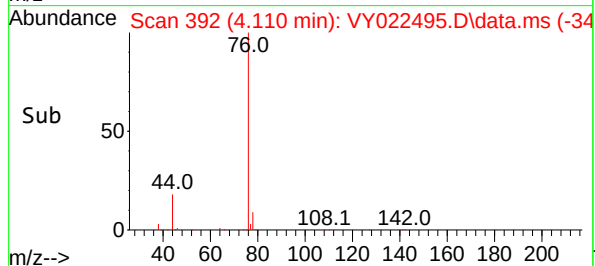
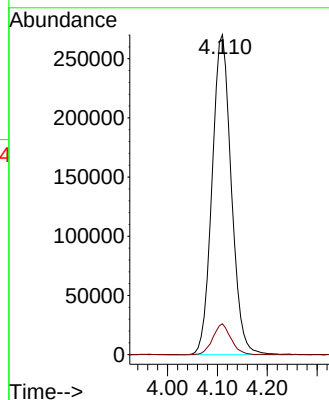
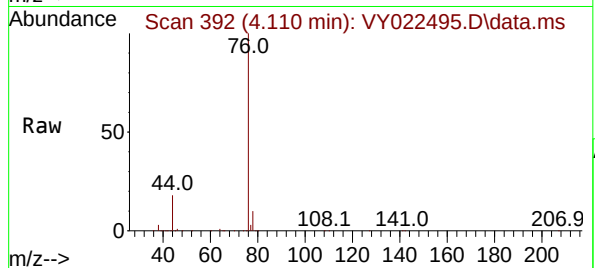
APPROVED

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

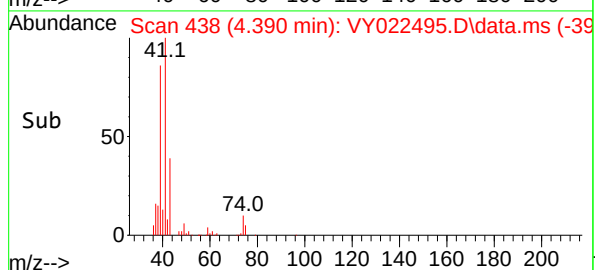
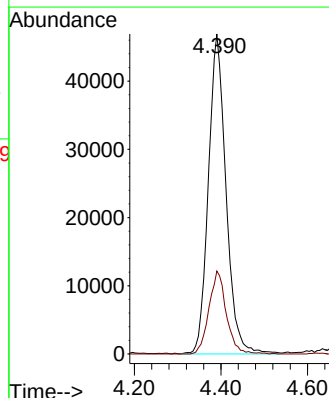
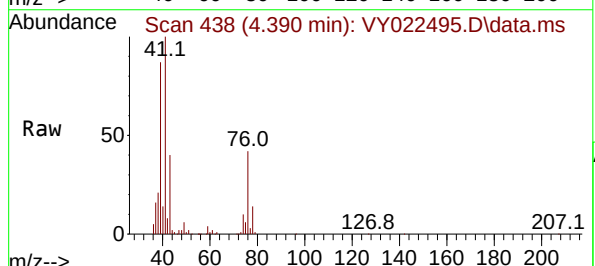
Acq: 02 Jun 2025 13:17

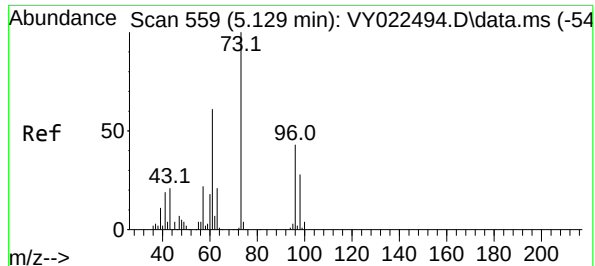
Tgt Ion: 43 Resp: 132608

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

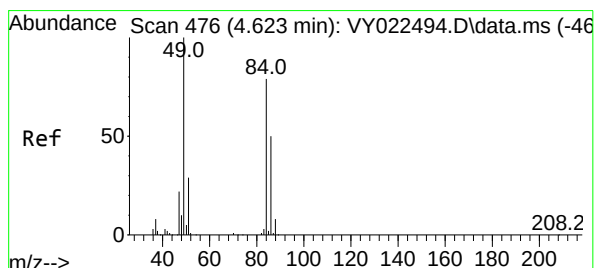
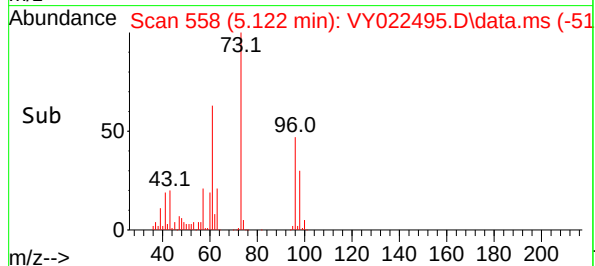
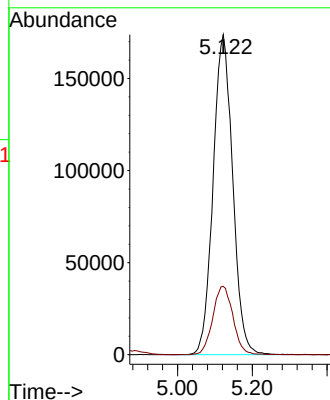
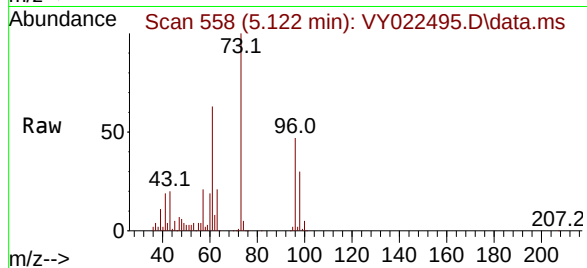
APPROVED

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

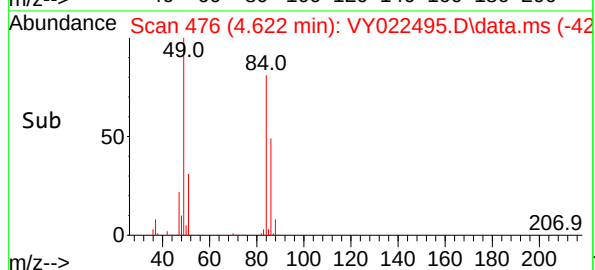
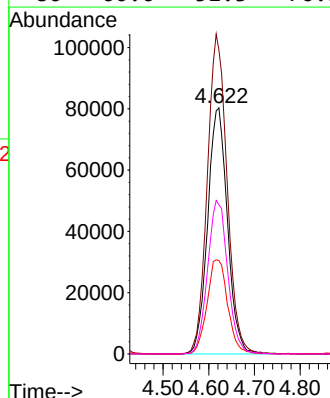
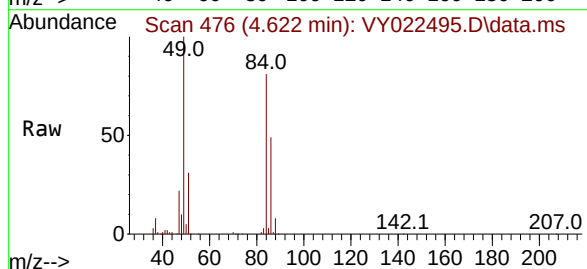
Ion Ratio Lower Upper

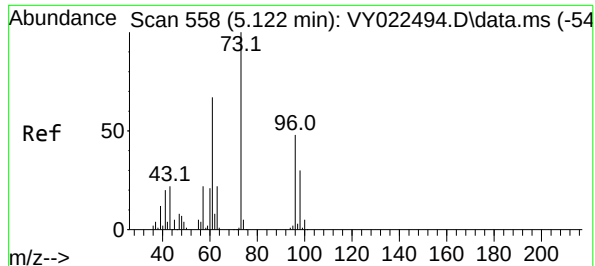
84 100

49 123.5 101.9 152.9

51 38.0 29.8 44.8

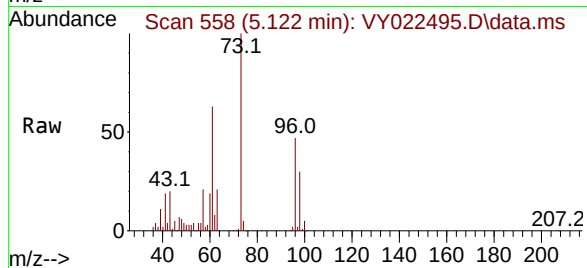
86 60.6 51.3 76.9





#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



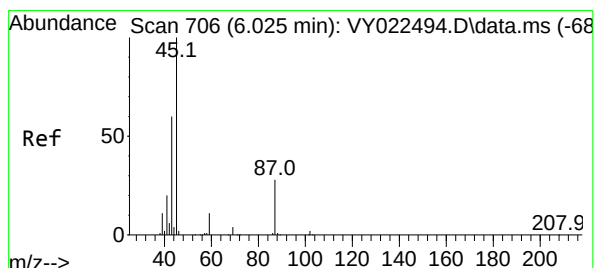
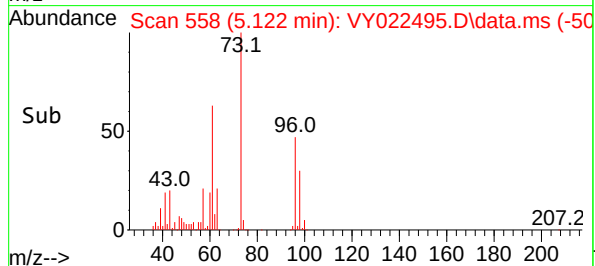
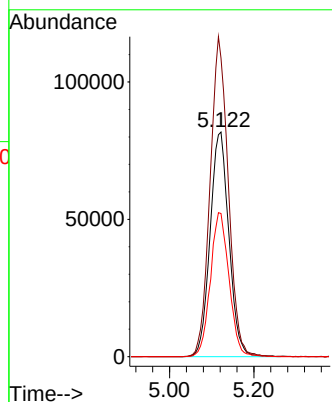
Tgt Ion: 96 Resp: 253184
Ion Ratio Lower Upper
96 100
61 132.9 112.6 169.0
98 63.7 50.6 75.8

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

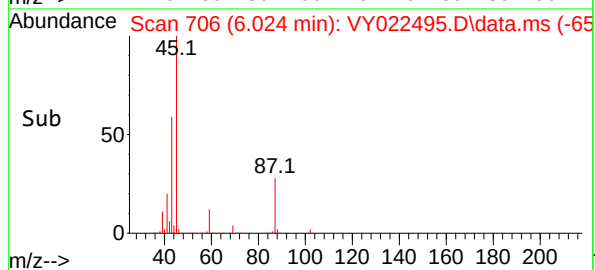
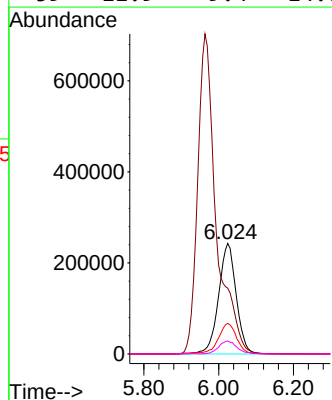
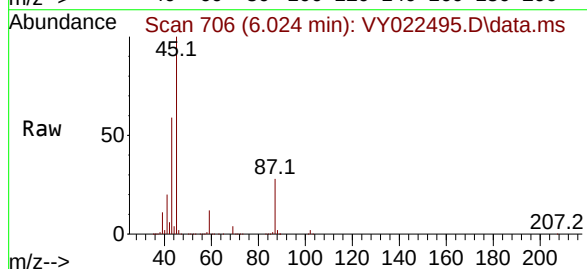
06/03/2025
Supervised By :Mahesh
Dadoda

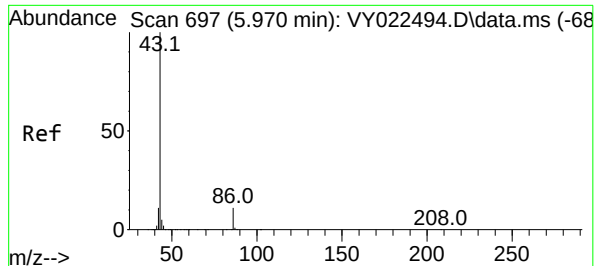
06/03/2025



#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

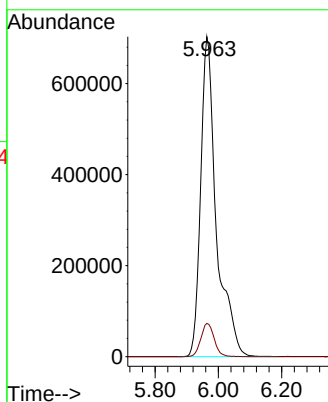
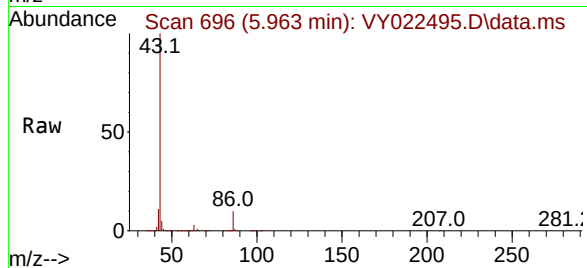
100

86

10.4

8.6

12.8



Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Manual Integrations

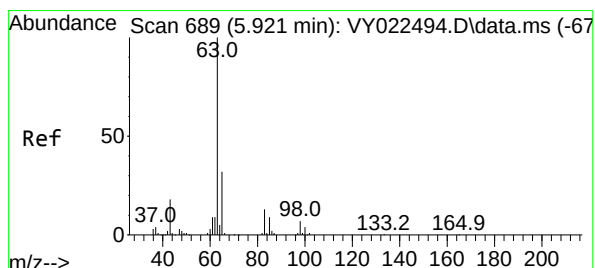
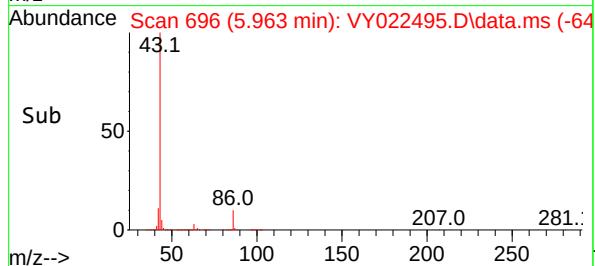
APPROVED

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

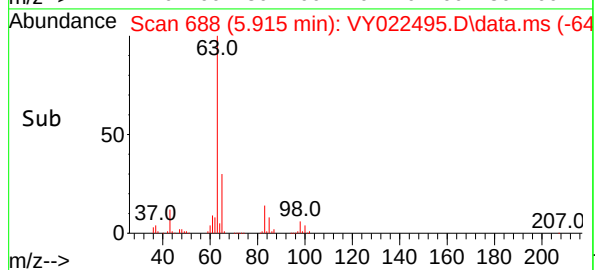
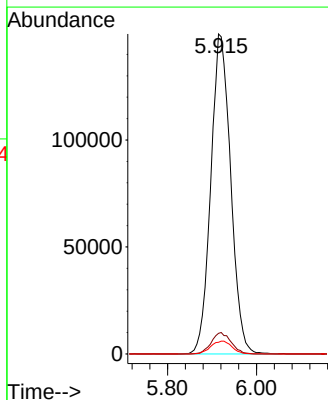
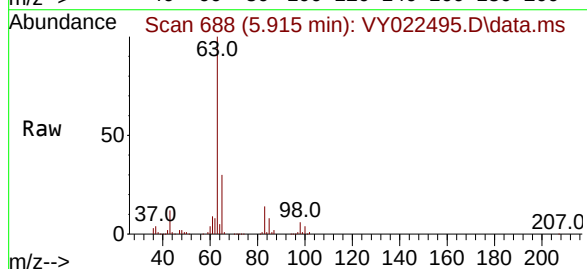
10.1

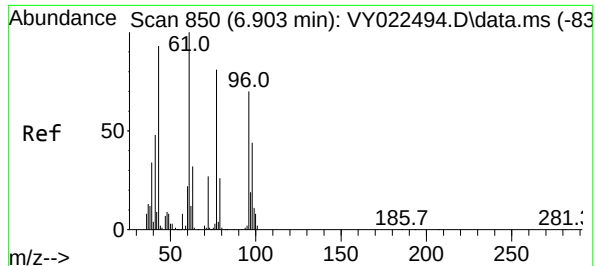
100

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 :

VSTDIC100

Tgt Ion: 43 Resp: 35888

Ion Ratio Lower Upper

43 100

72 28.3 22.9 34.3

Manual Integrations

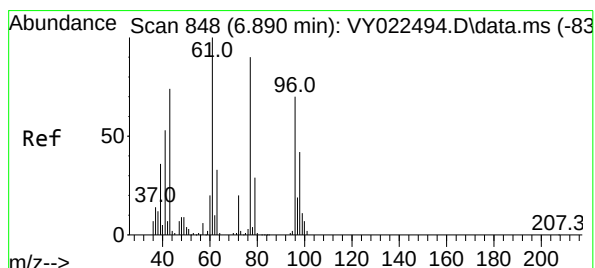
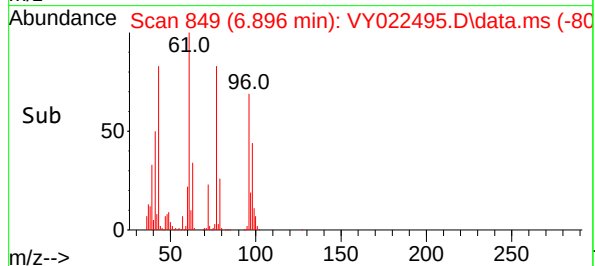
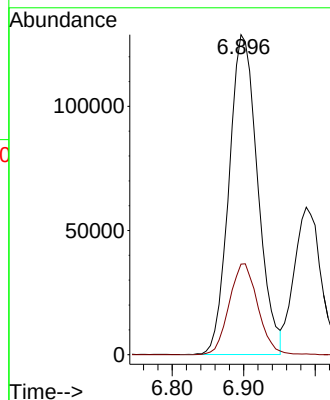
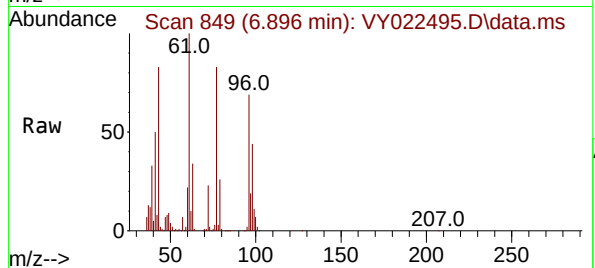
APPROVED

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

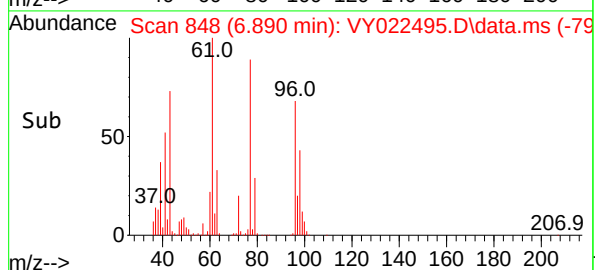
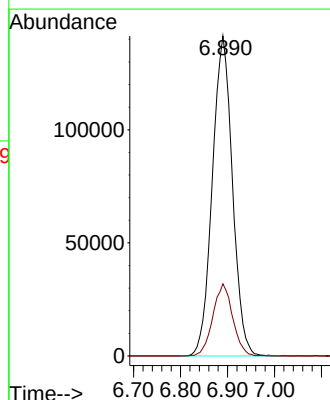
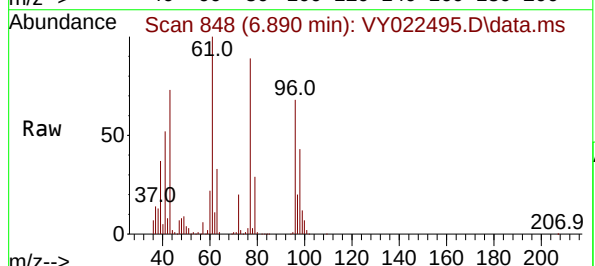
Acq: 02 Jun 2025 13:17

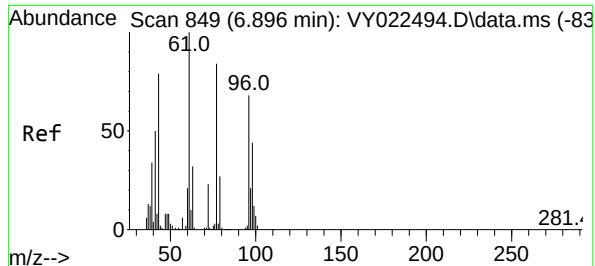
Tgt Ion: 77 Resp: 420323

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

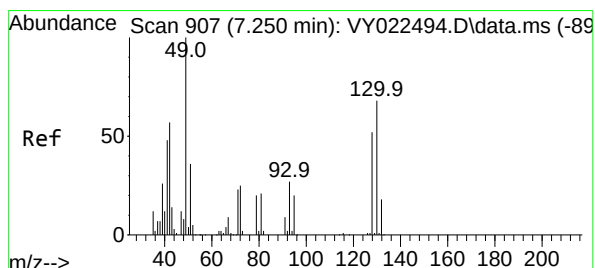
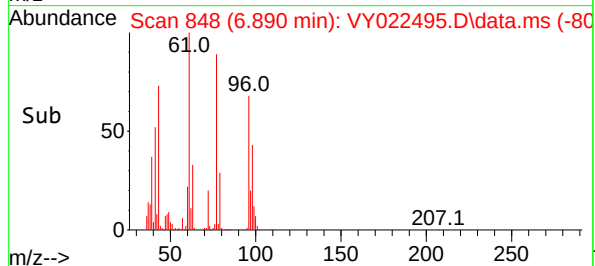
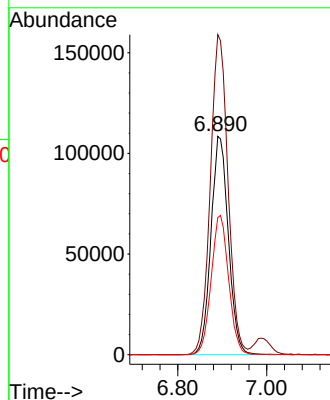
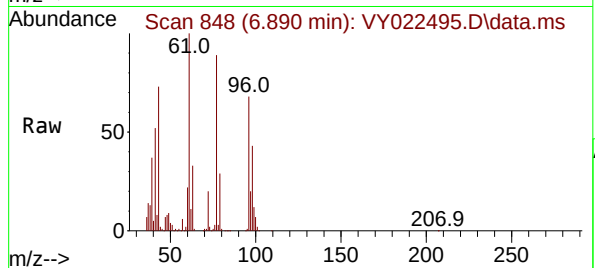
Reviewed By :Semsettin

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

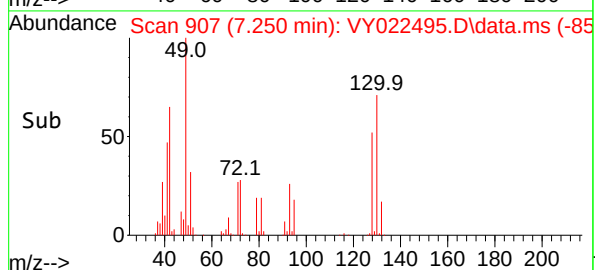
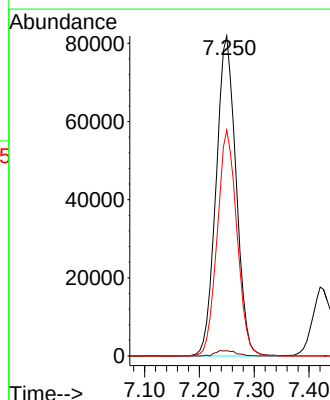
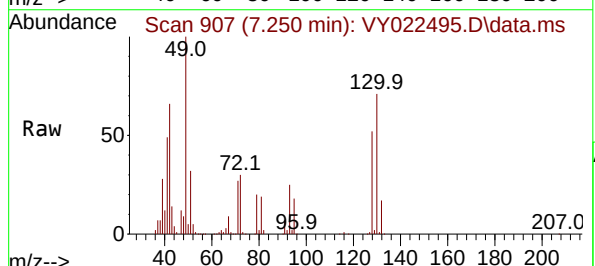
Tgt Ion: 49 Resp: 206906

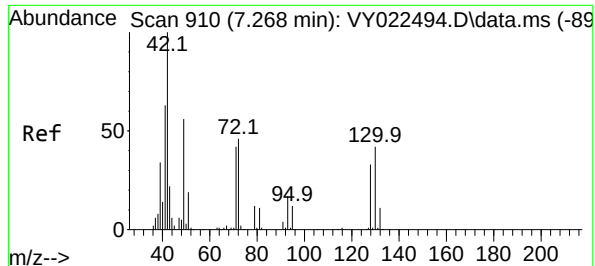
Ion Ratio Lower Upper

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

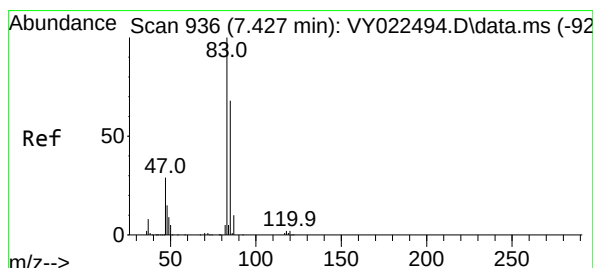
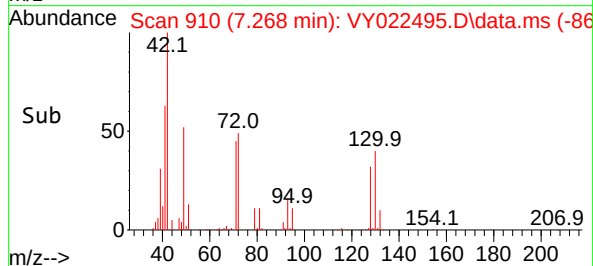
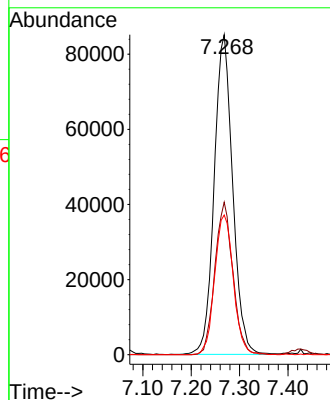
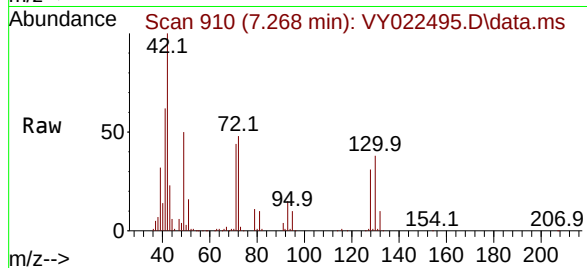
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#30

Chloroform

Concen: 100.373 ug/l

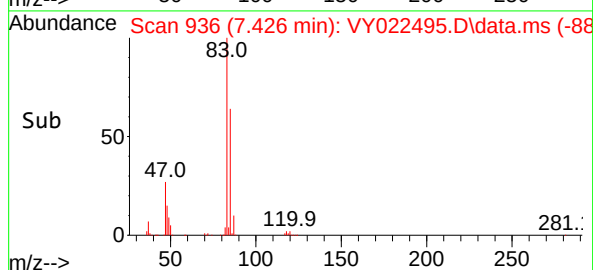
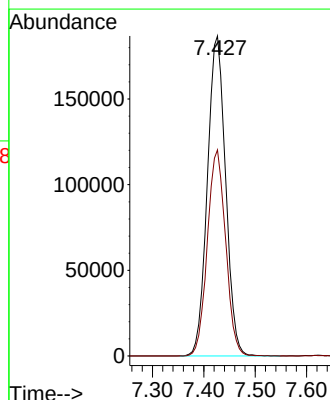
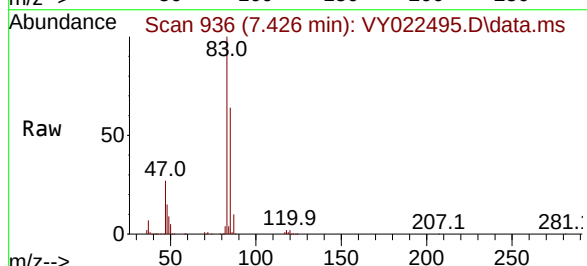
RT: 7.426 min Scan# 936

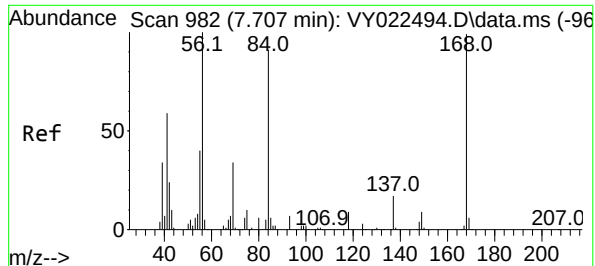
Delta R.T. -0.000 min

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

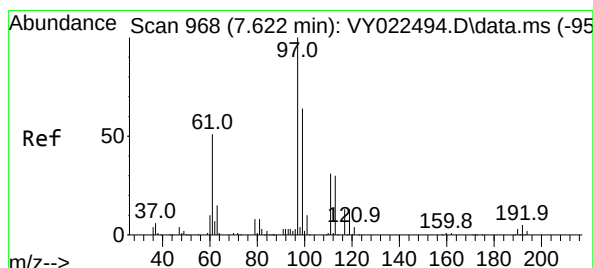
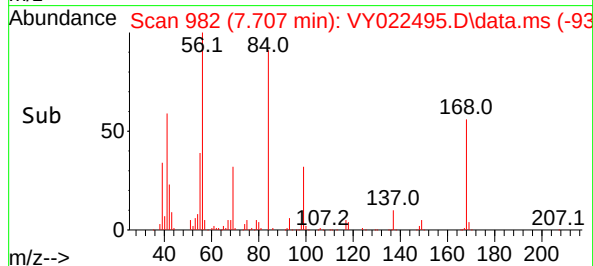
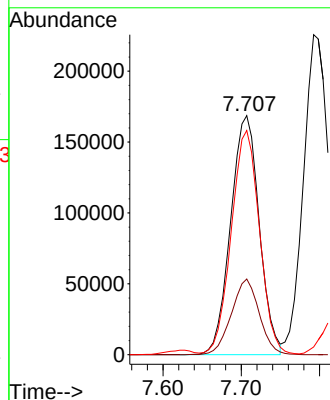
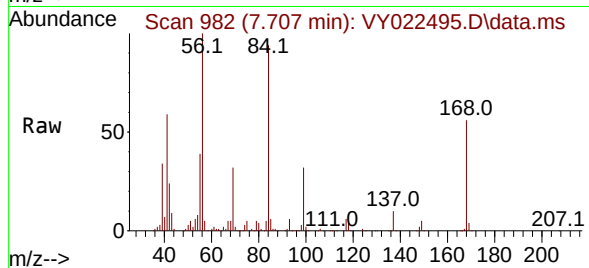
APPROVED

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

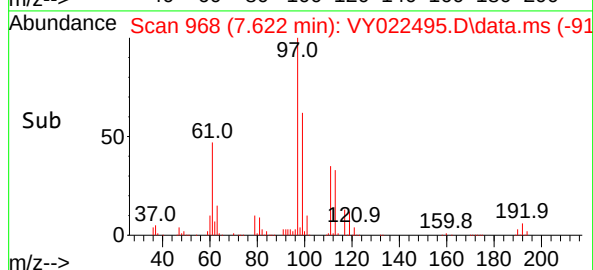
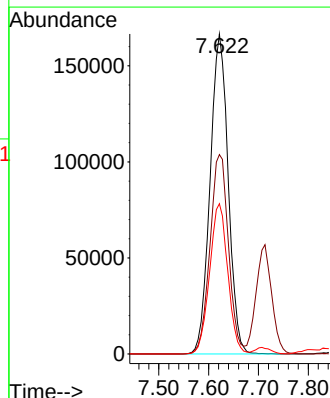
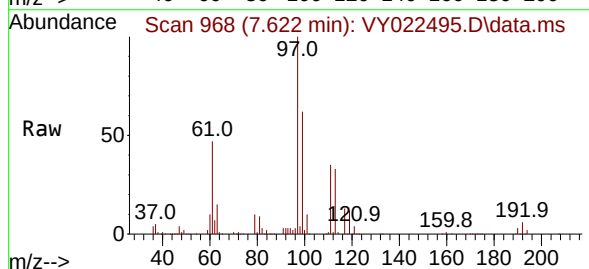
Tgt Ion: 97 Resp: 419389

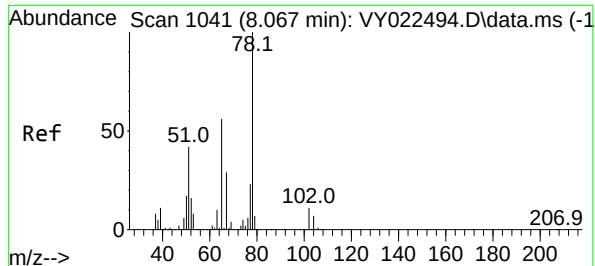
Ion Ratio Lower Upper

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

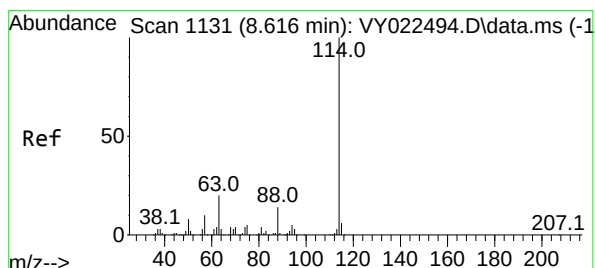
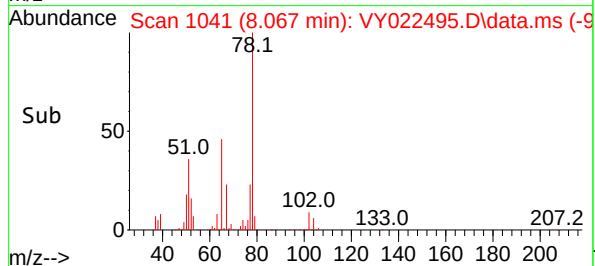
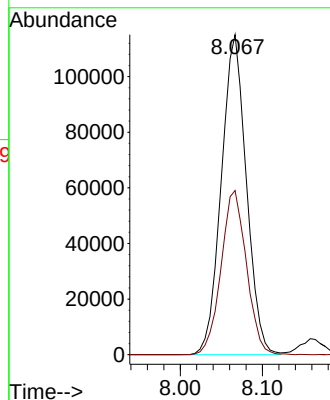
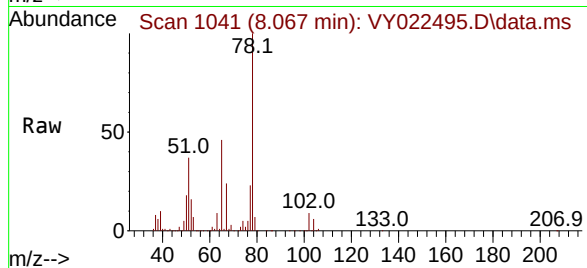
APPROVED

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

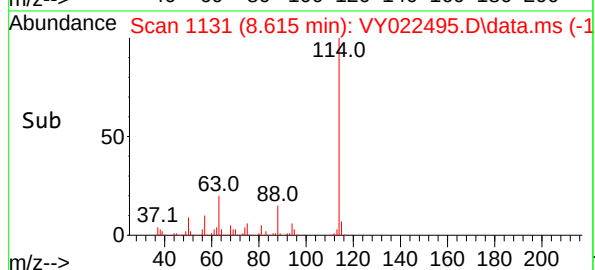
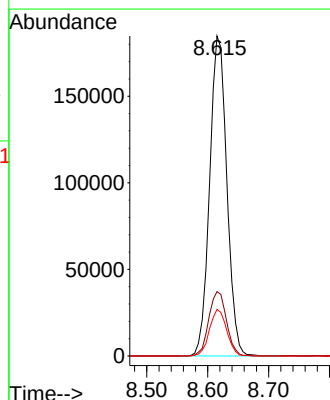
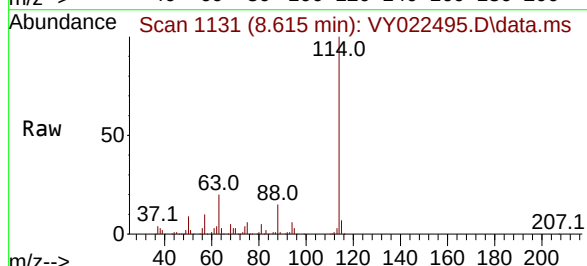
Tgt Ion:114 Resp: 362519

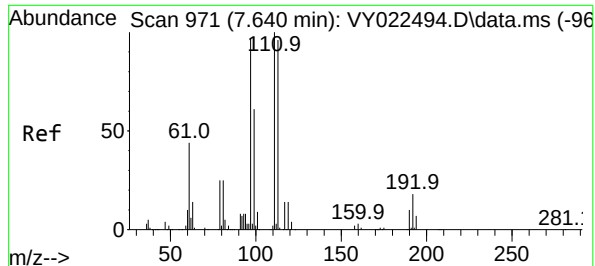
Ion Ratio Lower Upper

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

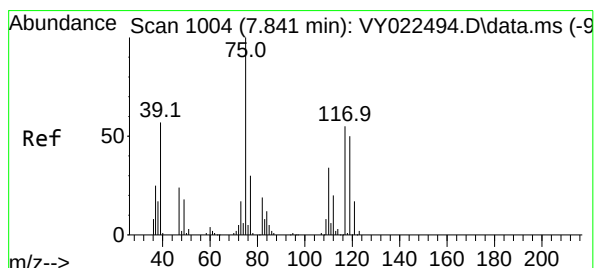
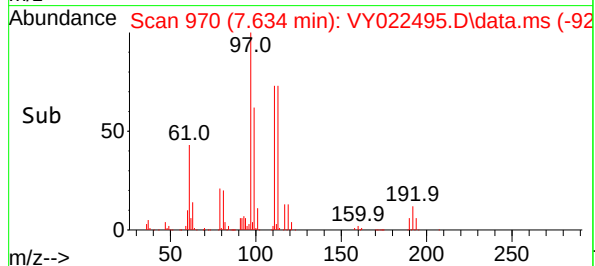
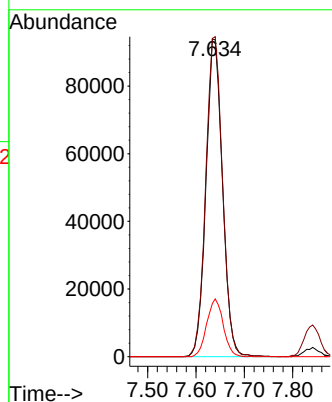
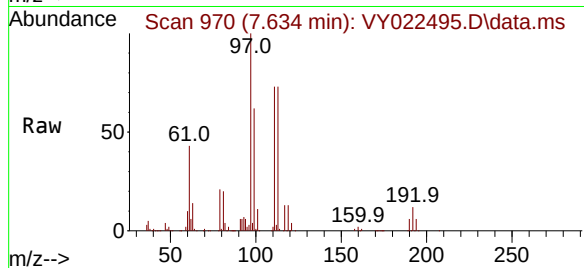
APPROVED

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

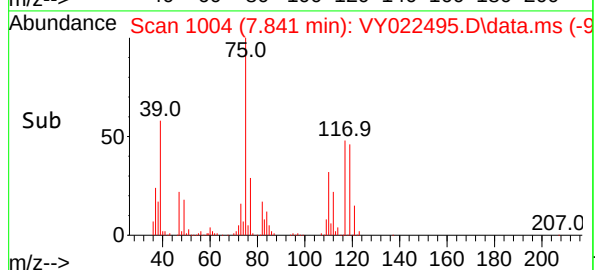
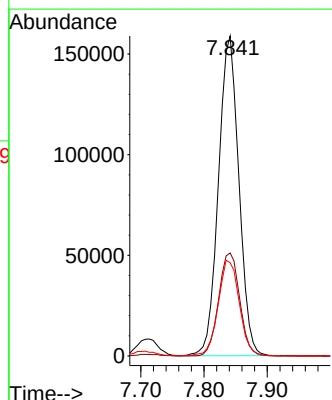
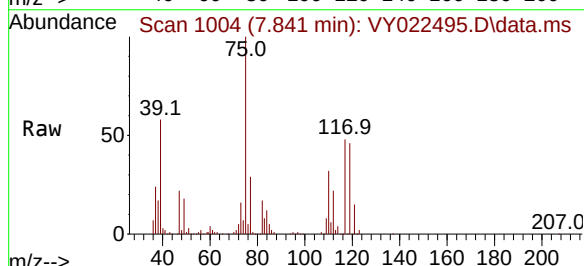
Tgt Ion: 75 Resp: 355563

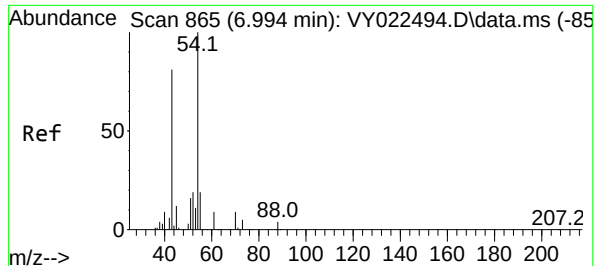
Ion Ratio Lower Upper

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

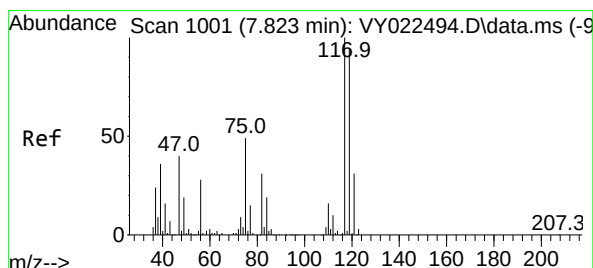
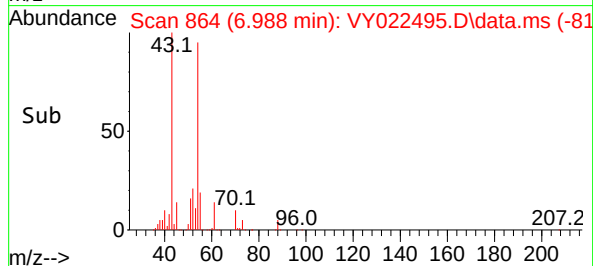
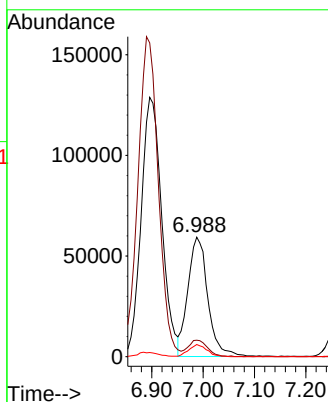
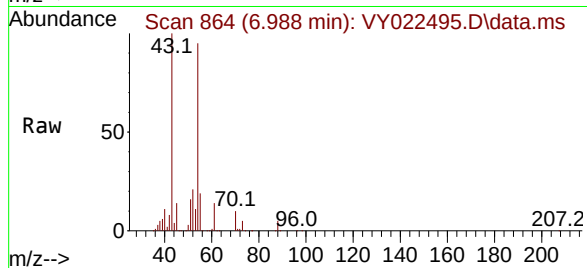
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#38

Carbon Tetrachloride

Concen: 103.651 ug/l

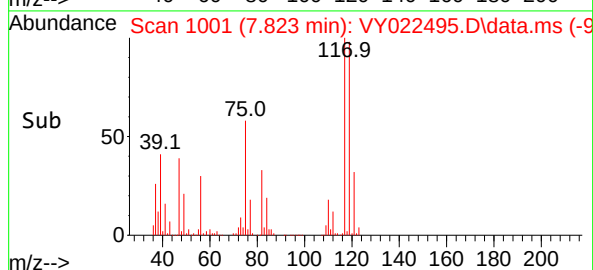
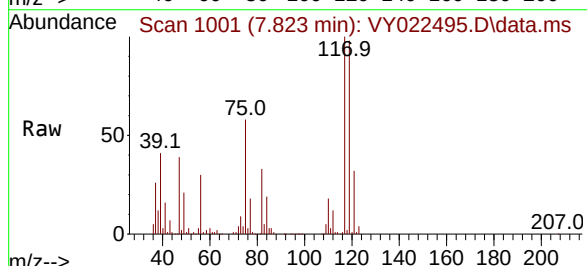
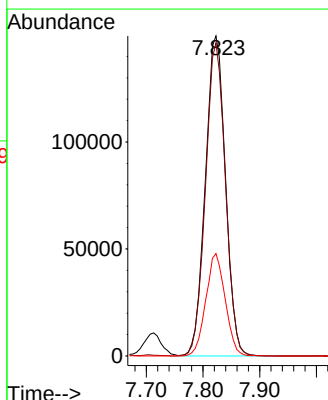
RT: 7.823 min Scan# 1001

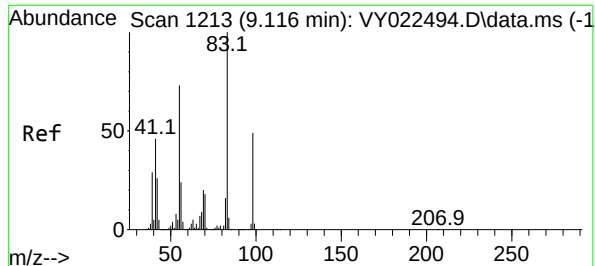
Delta R.T. -0.000 min

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

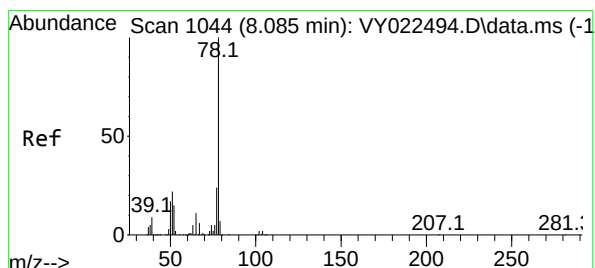
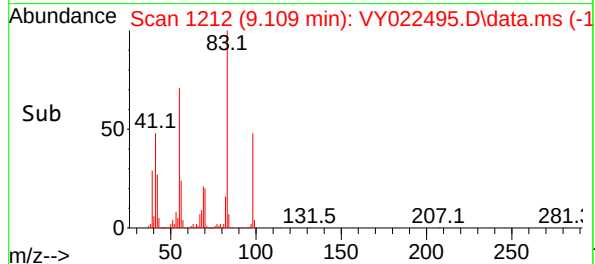
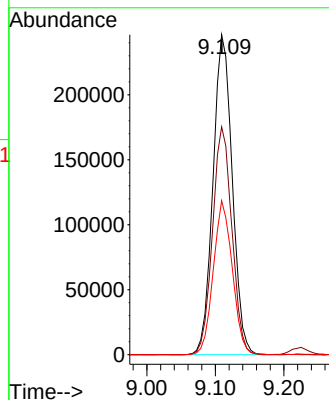
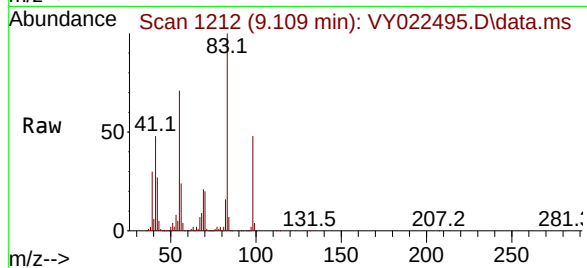
APPROVED

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

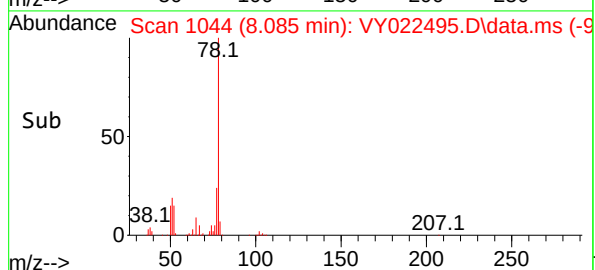
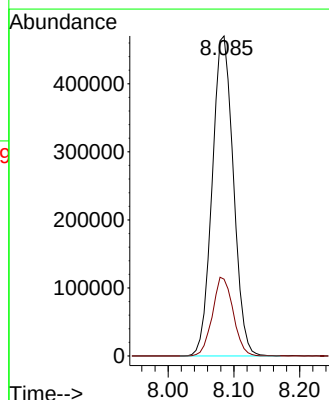
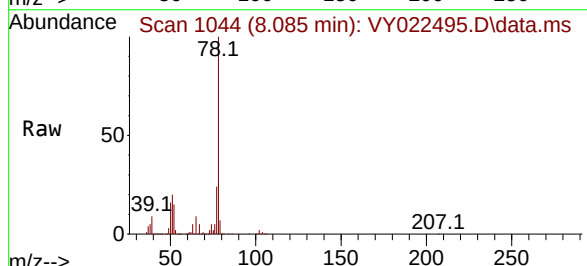
Acq: 02 Jun 2025 13:17

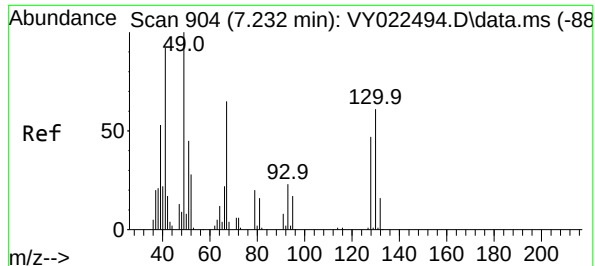
Tgt Ion: 78 Resp: 1052881

Ion Ratio Lower Upper

78 100

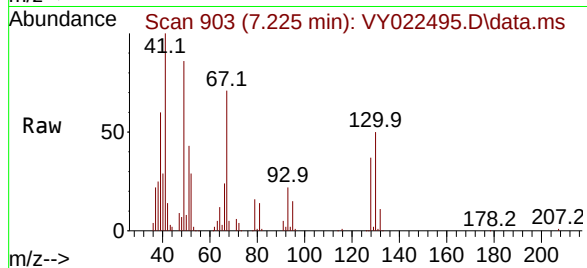
77 24.0 19.3 28.9





#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



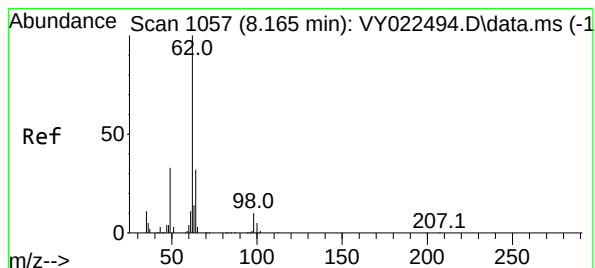
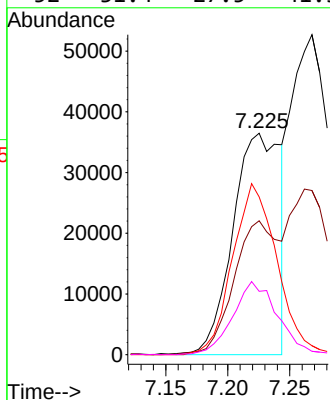
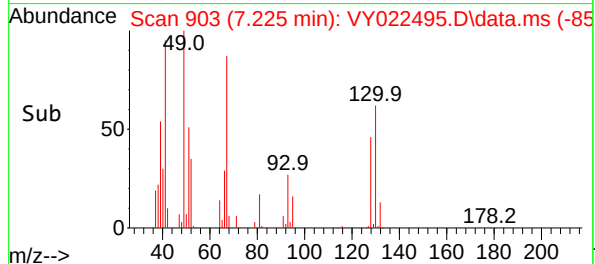
Tgt Ion: 41 Resp: 97672
Ion Ratio Lower Upper
41 100
39 57.6 46.6 69.8
67 72.4 63.3 94.9
52 31.4 27.5 41.3

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

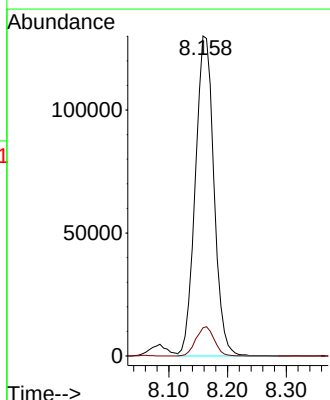
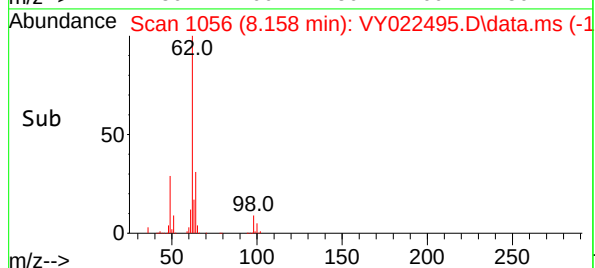
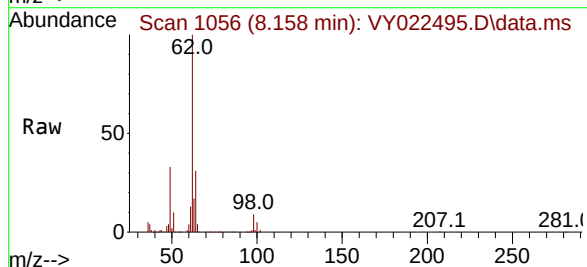
06/03/2025
Supervised By :Mahesh
Dadoda

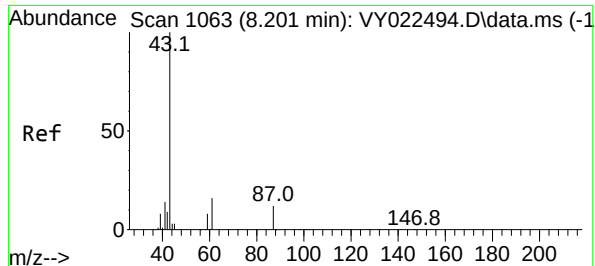
06/03/2025



#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 :

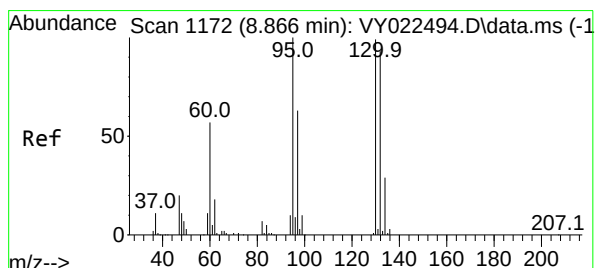
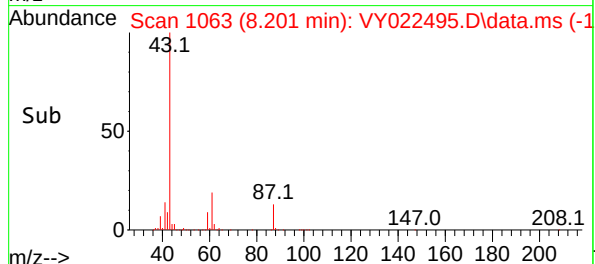
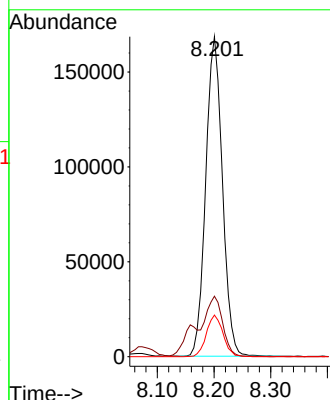
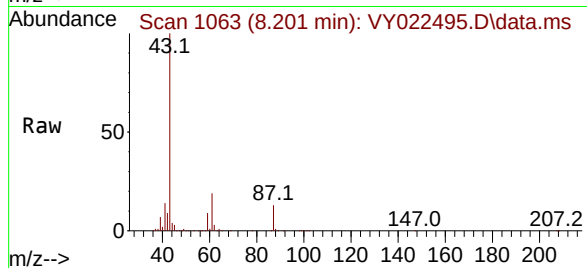
VSTDICC100

Manual Integrations
APPROVEDReviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#44

Trichloroethene

Concen: 102.104 ug/l

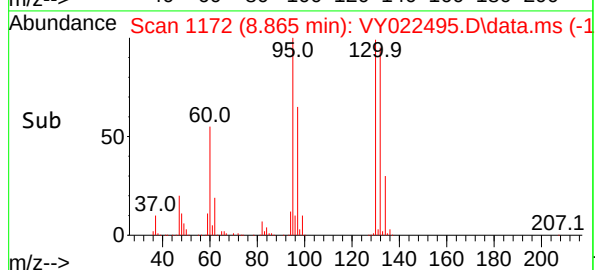
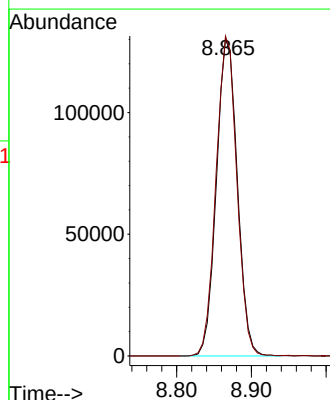
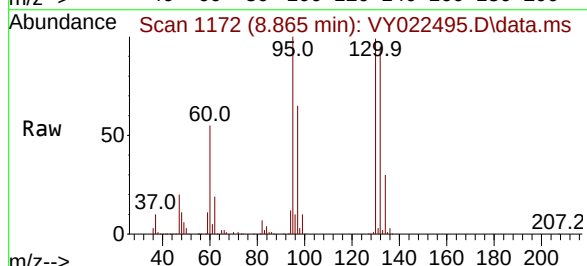
RT: 8.865 min Scan# 1172

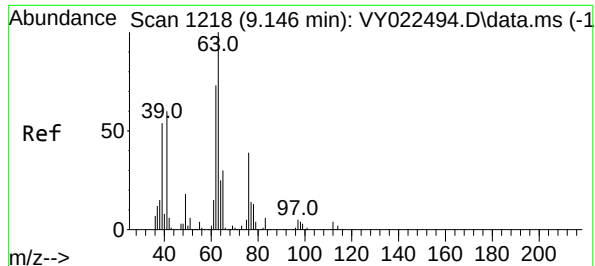
Delta R.T. -0.000 min

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

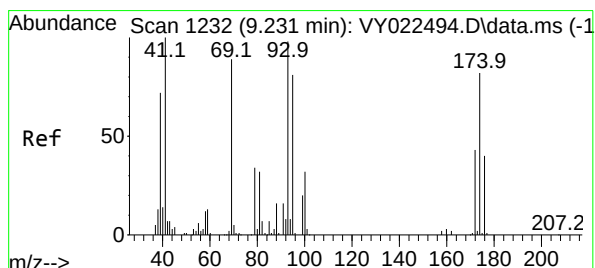
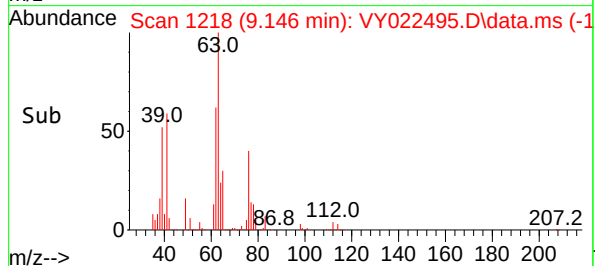
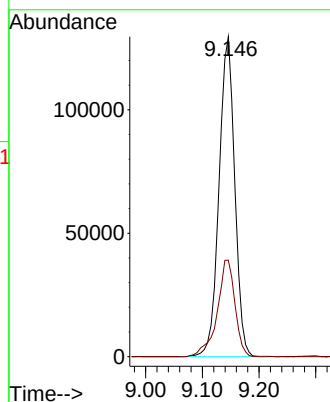
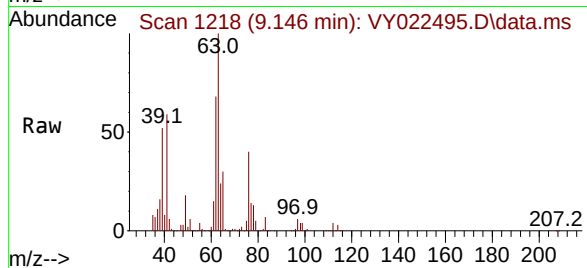
APPROVED

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

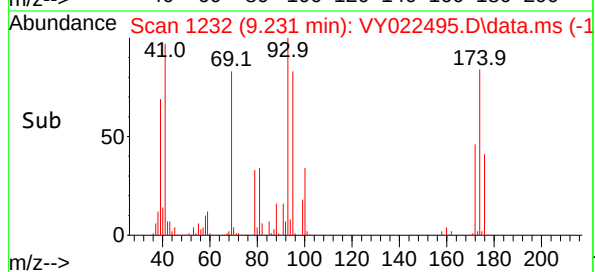
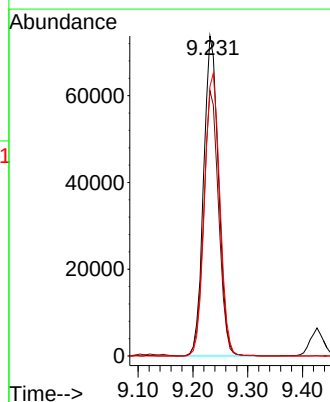
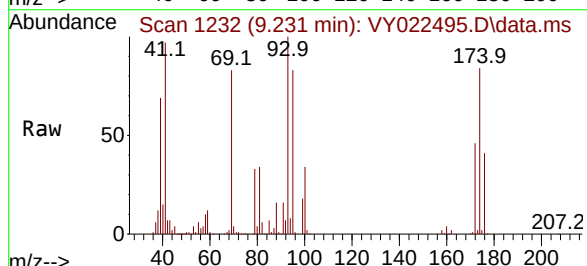
Tgt Ion: 93 Resp: 139349

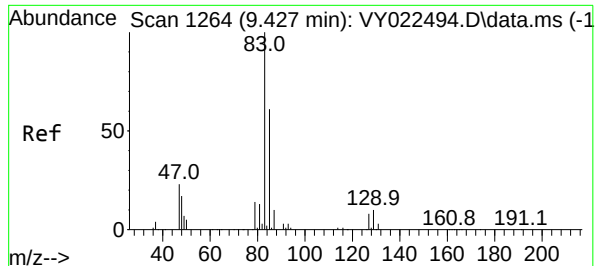
Ion Ratio Lower Upper

93 100

95 82.5 65.6 98.4

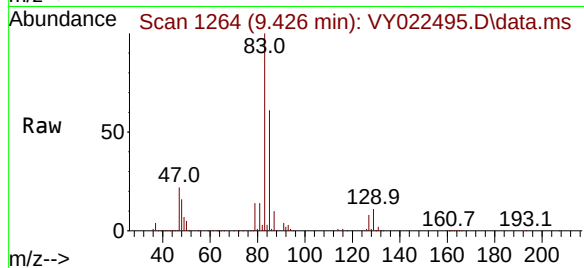
174 90.4 70.4 105.6





#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 :
VSTDICC100



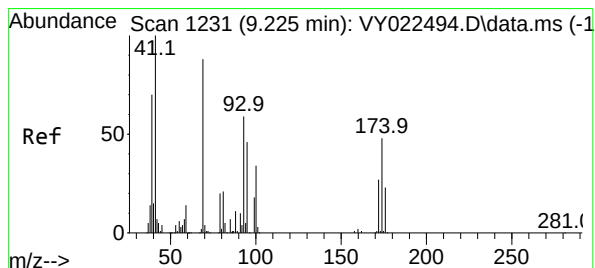
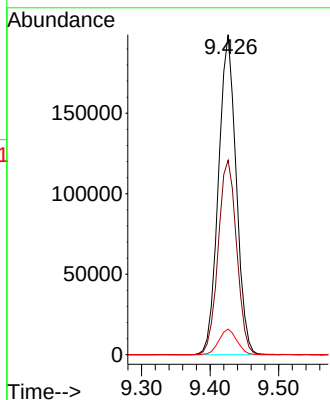
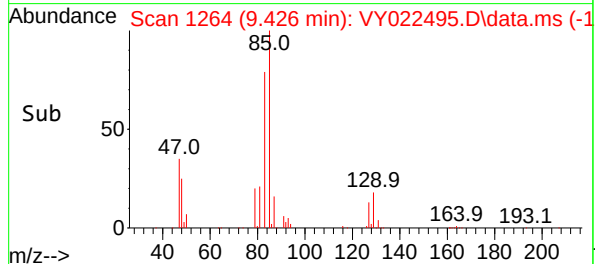
Tgt Ion: 83 Resp: 356025
Ion Ratio Lower Upper
83 100
85 60.7 49.1 73.7
127 8.0 6.2 9.4

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

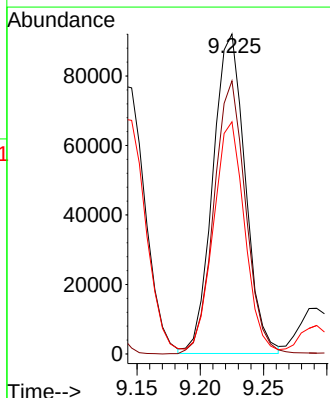
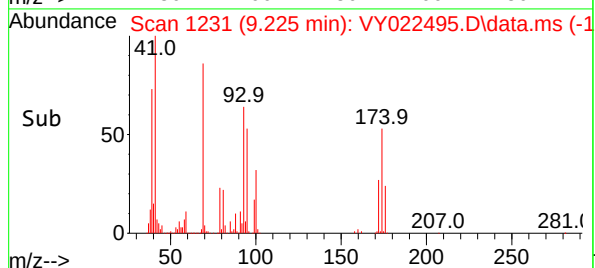
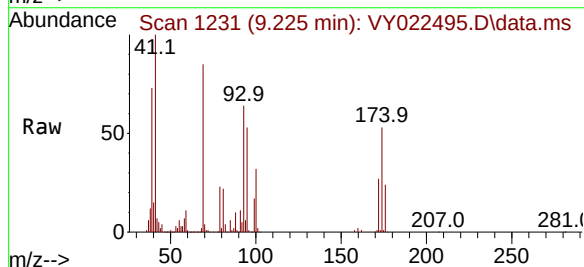
06/03/2025
Supervised By :Mahesh
Dadoda

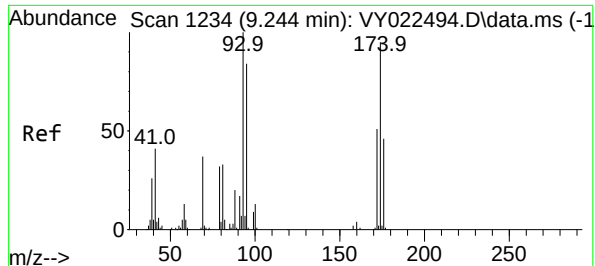
06/03/2025



#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

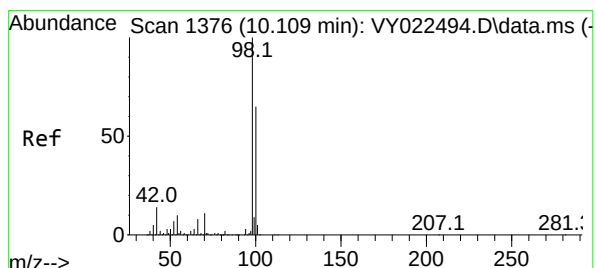
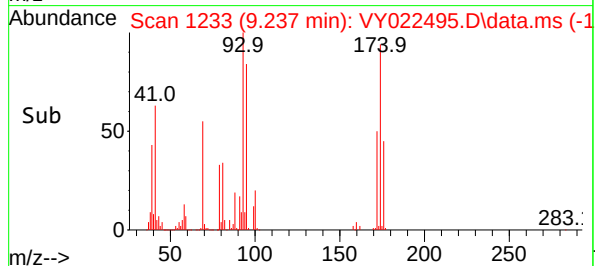
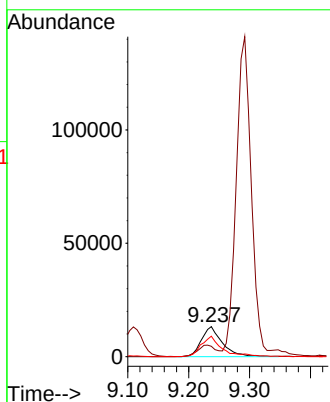
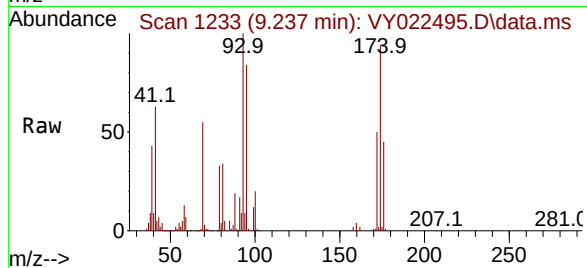
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#50

Toluene-d8

Concen: 105.318 ug/l

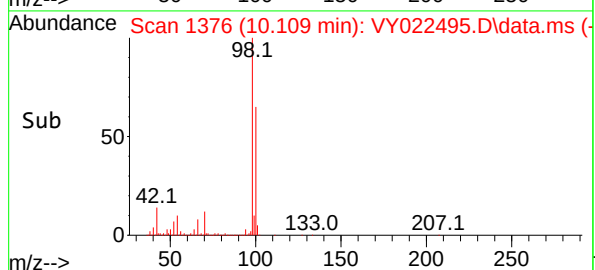
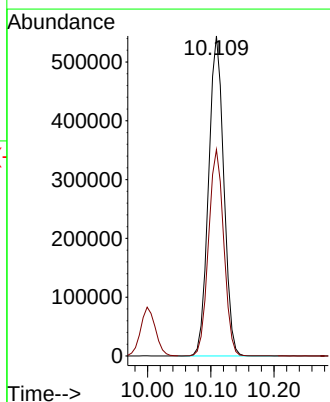
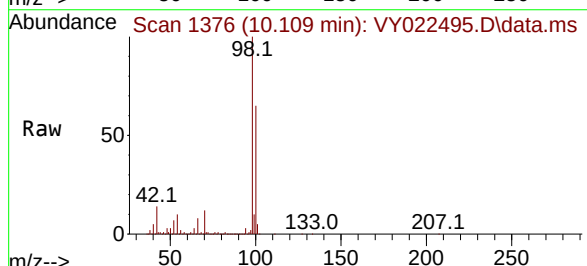
RT: 10.109 min Scan# 1376

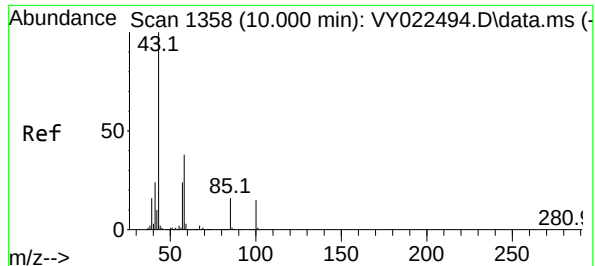
Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

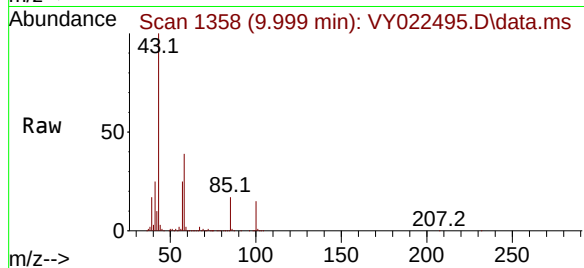
Tgt Ion:	98	Resp:	908424
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





#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



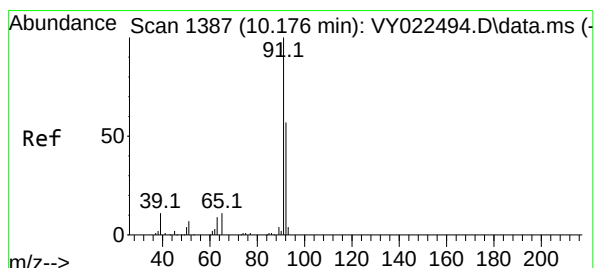
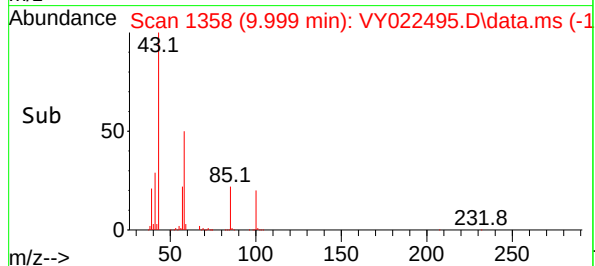
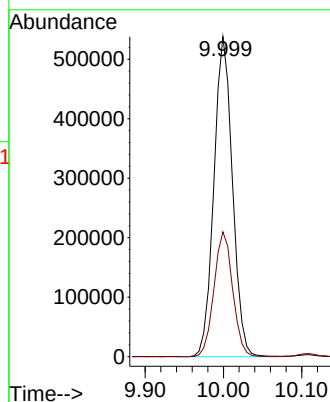
Tgt Ion: 43 Resp: 88489
Ion Ratio Lower Upper
43 100
58 39.3 30.4 45.6

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

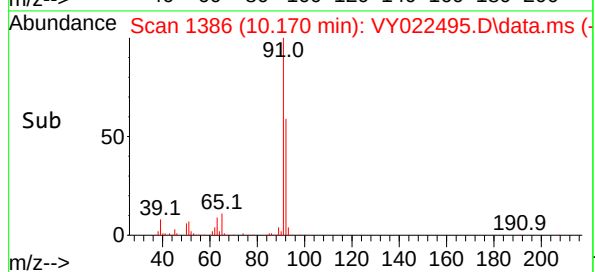
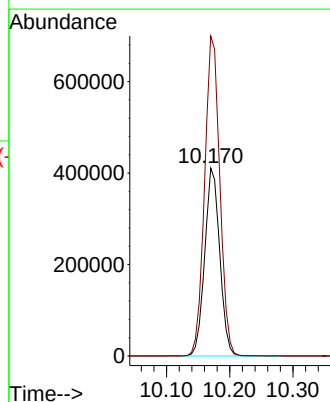
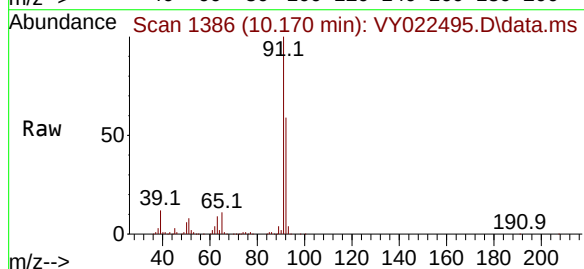
06/03/2025
Supervised By :Mahesh
Dadoda

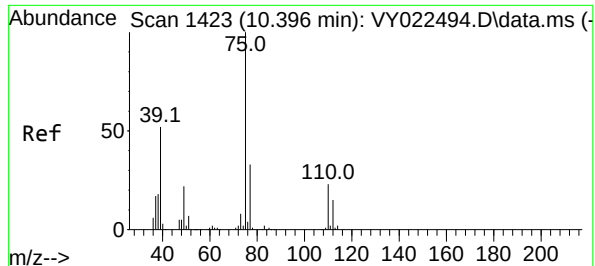
06/03/2025



#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

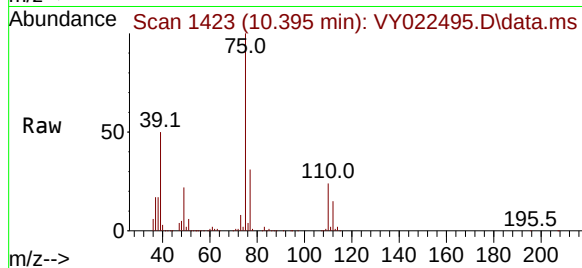
Tgt Ion: 92 Resp: 676554
Ion Ratio Lower Upper
92 100
91 173.1 139.0 208.4





#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



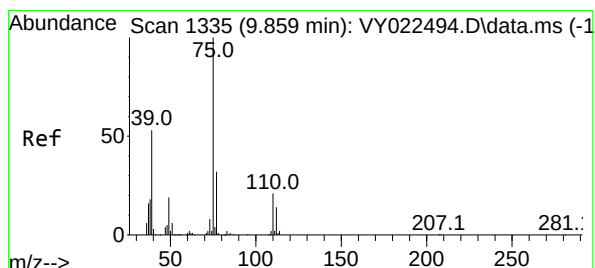
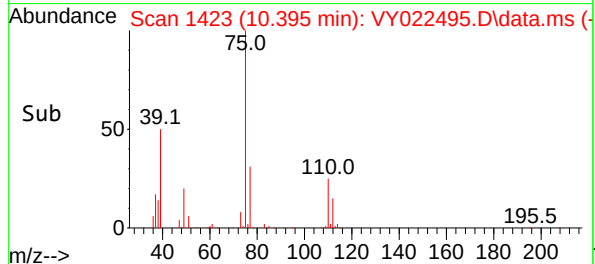
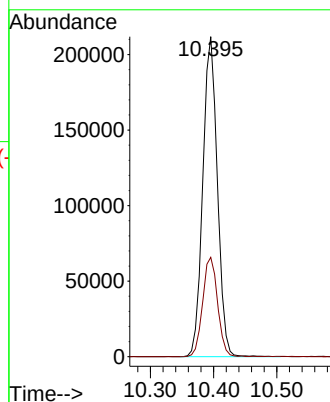
Tgt Ion: 75 Resp: 339647
Ion Ratio Lower Upper
75 100
77 31.0 26.5 39.7

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

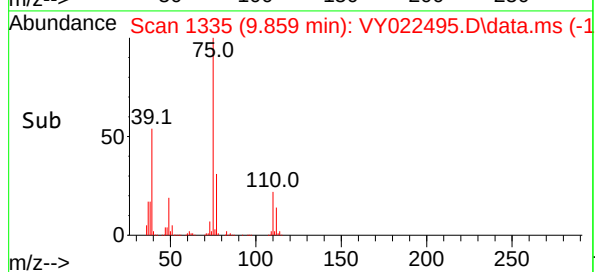
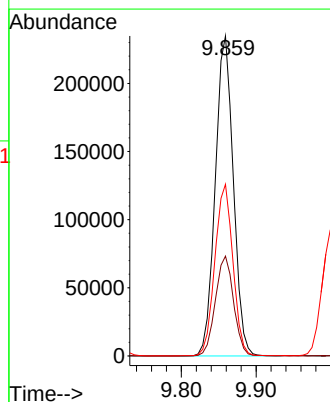
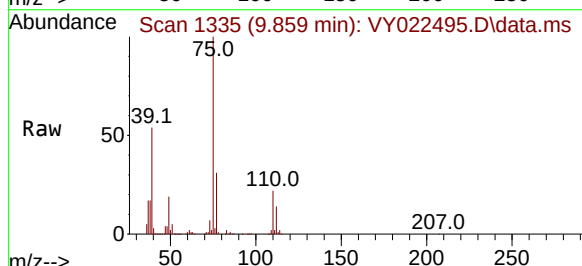
06/03/2025
Supervised By :Mahesh
Dadoda

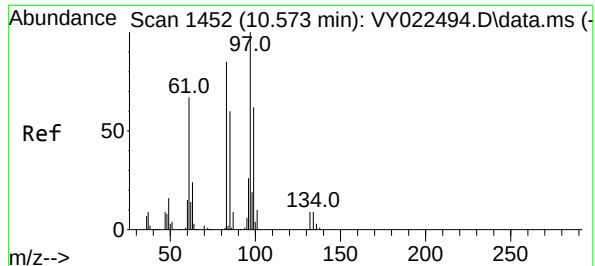
06/03/2025



#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

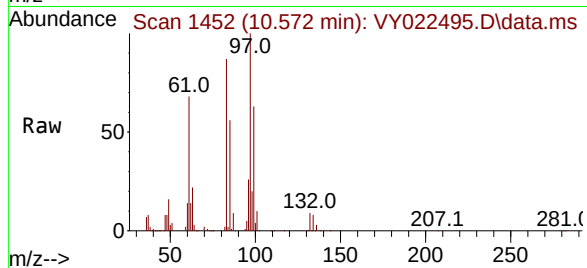
Tgt Ion: 75 Resp: 394647
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9
39 53.6 42.7 64.1





#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



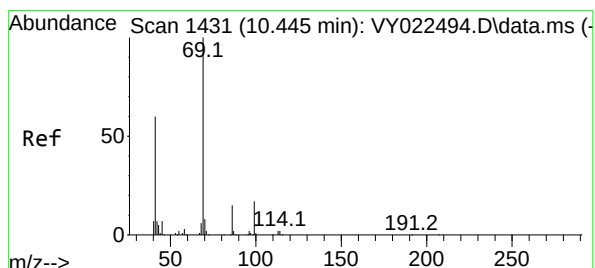
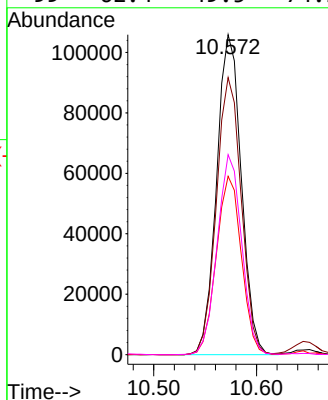
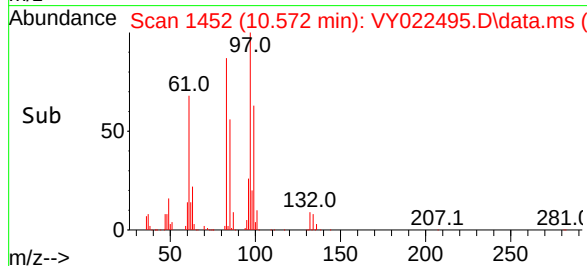
Tgt Ion: 97 Resp: 176380
Ion Ratio Lower Upper
97 100
83 86.6 68.1 102.1
85 55.8 48.2 72.2
99 62.4 49.5 74.3

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

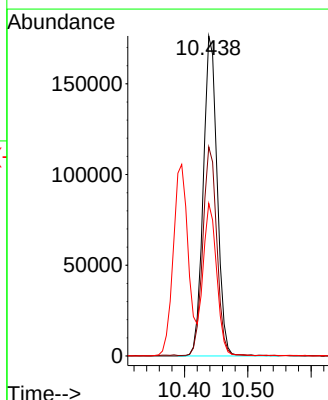
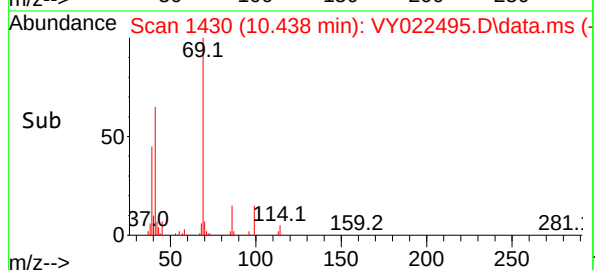
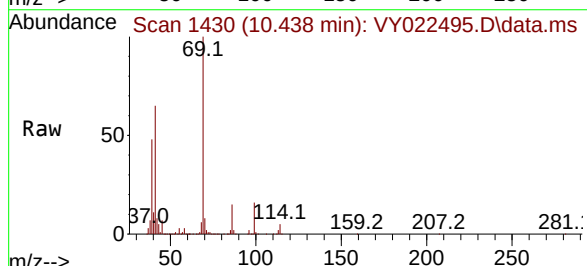
06/03/2025
Supervised By :Mahesh
Dadoda

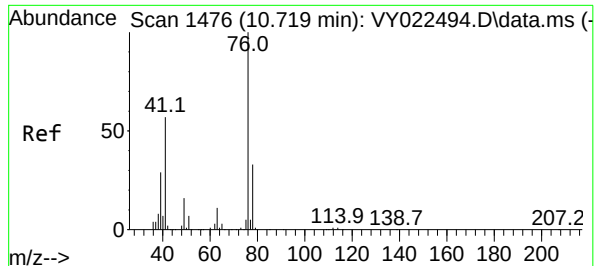
06/03/2025



#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 :

VSTDICC100

Tgt Ion: 76 Resp: 31488

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8

Manual Integrations

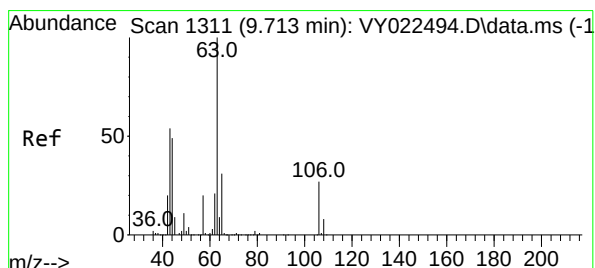
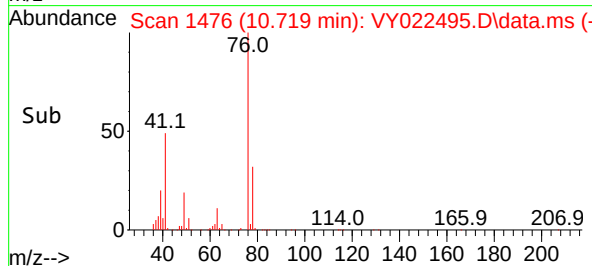
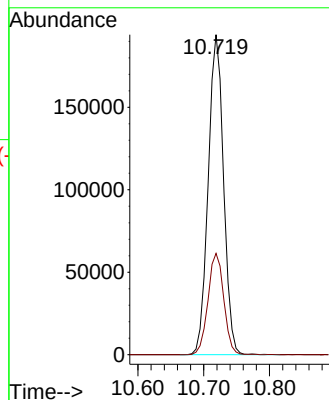
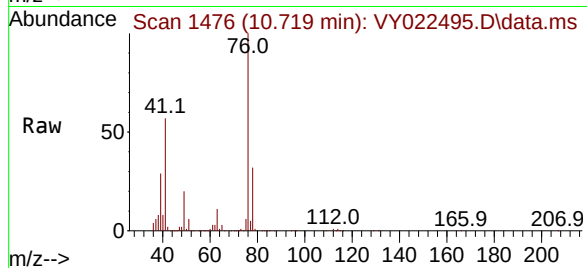
APPROVED

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

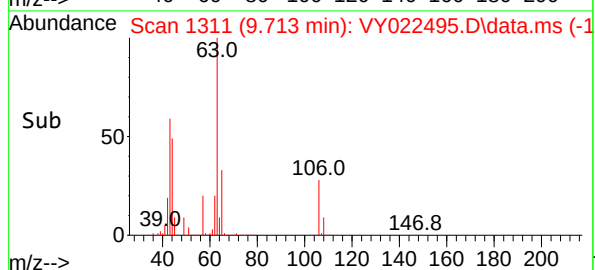
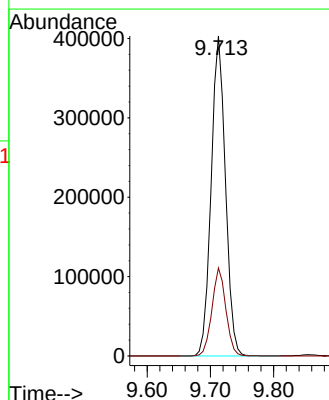
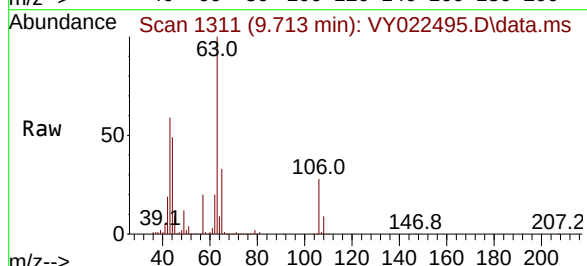
Acq: 02 Jun 2025 13:17

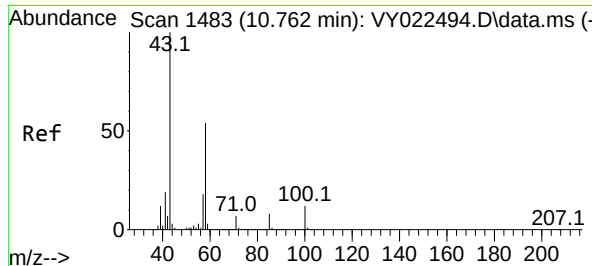
Tgt Ion: 63 Resp: 631985

Ion Ratio Lower Upper

63 100

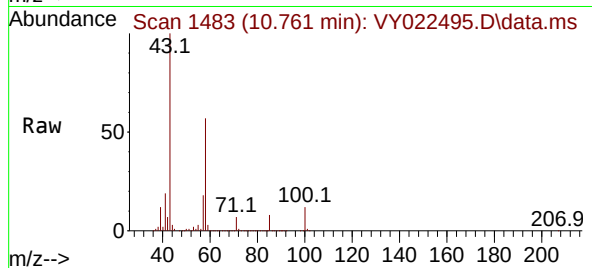
106 26.7 21.6 32.4





#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



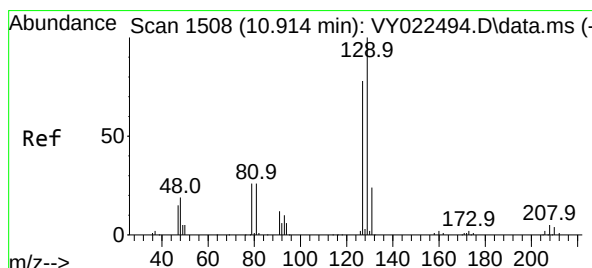
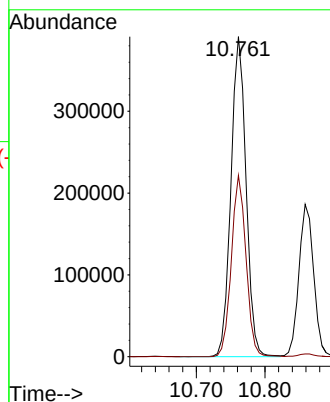
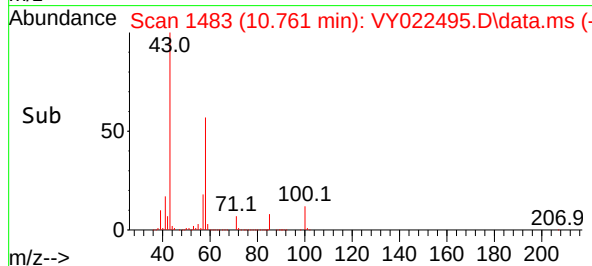
Tgt Ion: 43 Resp: 599350
Ion Ratio Lower Upper
43 100
58 55.0 27.3 81.8

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

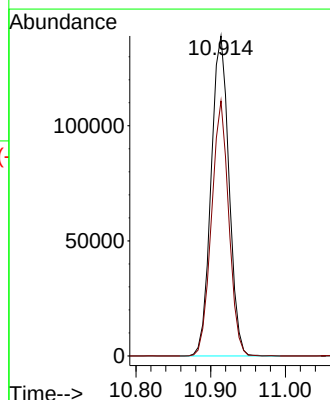
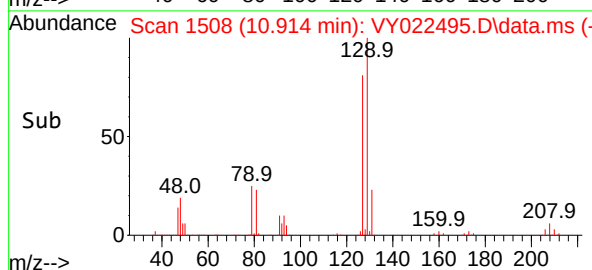
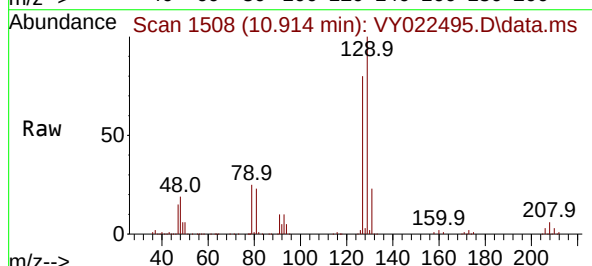
06/03/2025
Supervised By :Mahesh
Dadoda

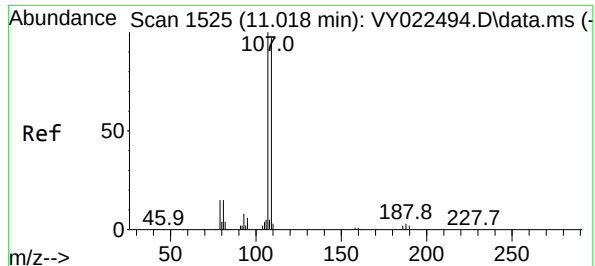
06/03/2025



#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

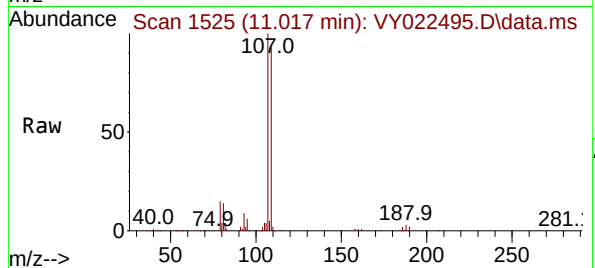
Tgt Ion:129 Resp: 231582
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#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



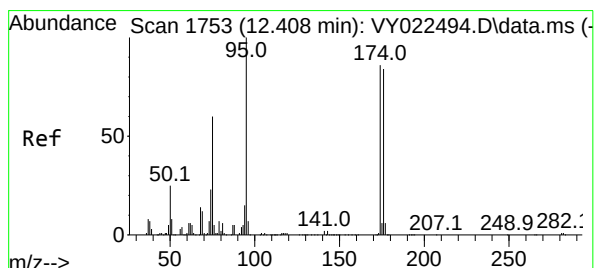
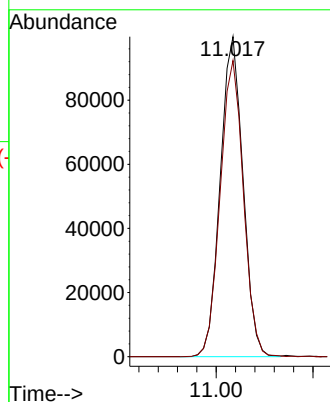
Tgt Ion:107 Resp: 162840
Ion Ratio Lower Upper
107 100
109 94.4 77.7 116.5

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

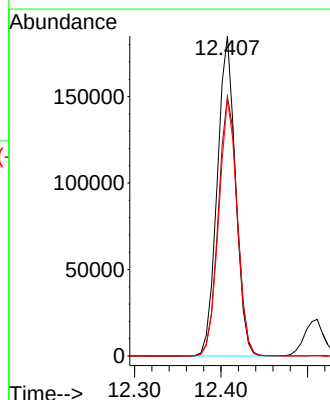
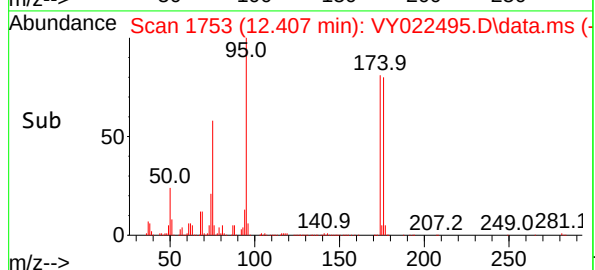
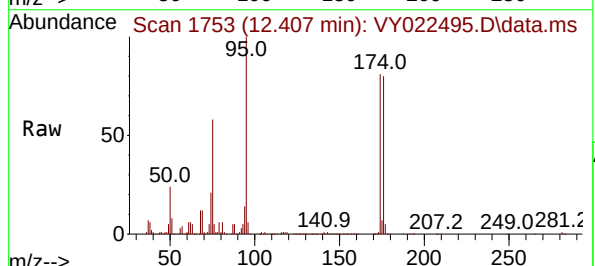
06/03/2025
Supervised By :Mahesh
Dadoda

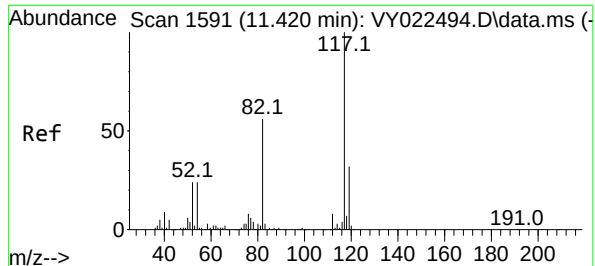
06/03/2025



#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

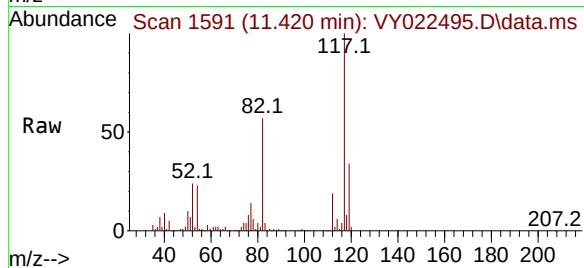
Tgt Ion: 95 Resp: 270310
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.0
176 80.8 0.0 166.2





#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 :
VSTDIC100



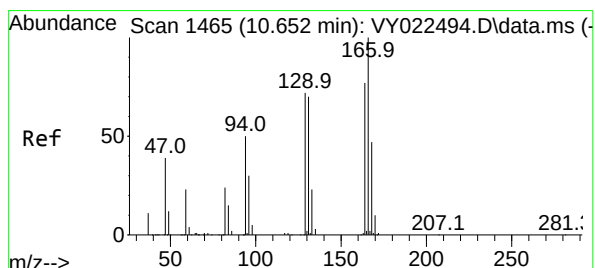
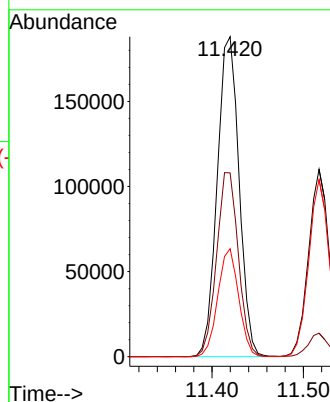
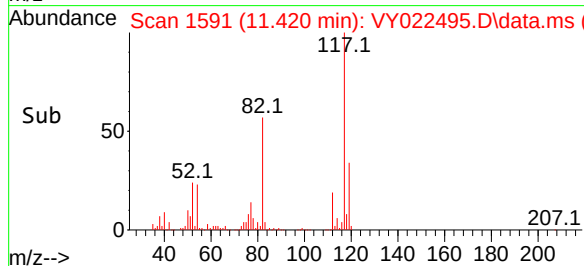
Tgt Ion:117 Resp: 31274
Ion Ratio Lower Upper
117 100
82 57.4 44.6 66.8
119 33.8 25.4 38.0

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

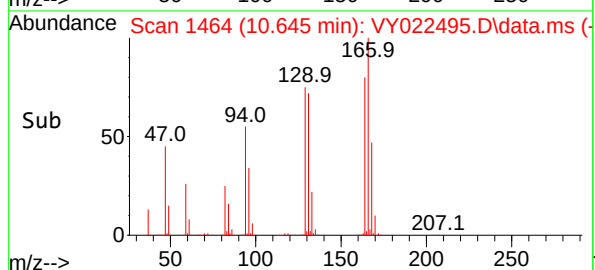
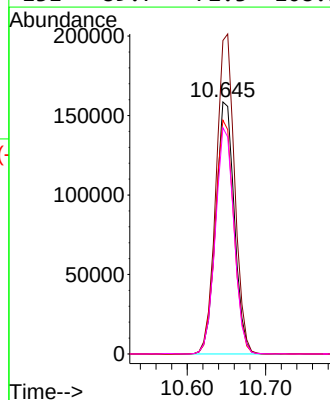
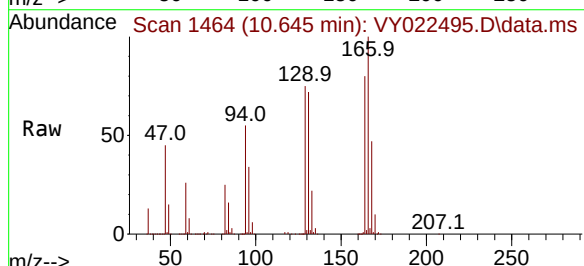
06/03/2025
Supervised By :Mahesh
Dadoda

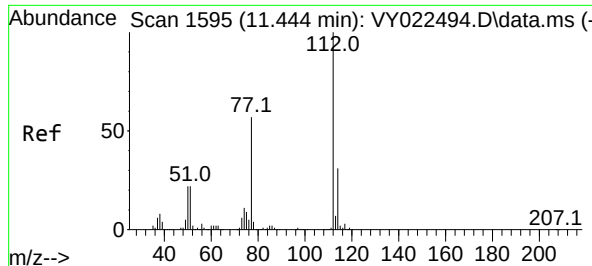
06/03/2025



#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

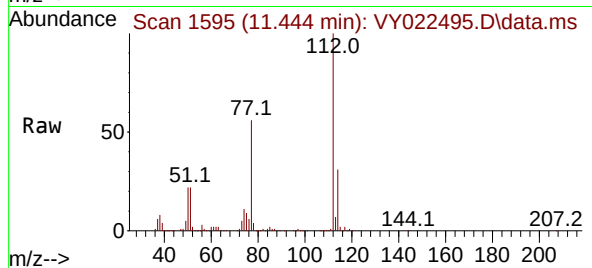
Tgt Ion:164 Resp: 260085
Ion Ratio Lower Upper
164 100
166 124.4 104.0 156.0
129 92.8 74.5 111.7
131 89.7 72.3 108.5





#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



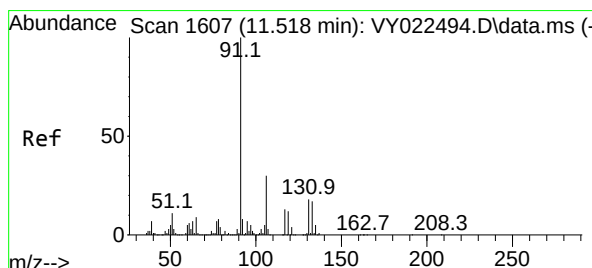
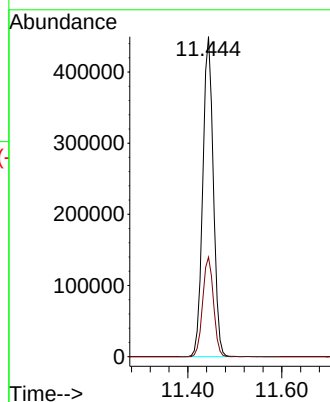
Tgt Ion:112 Resp: 700365
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.6

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

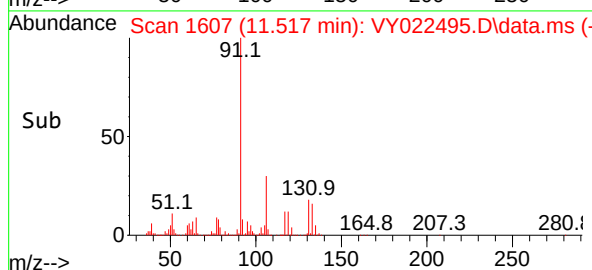
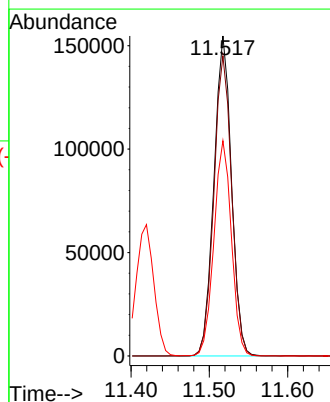
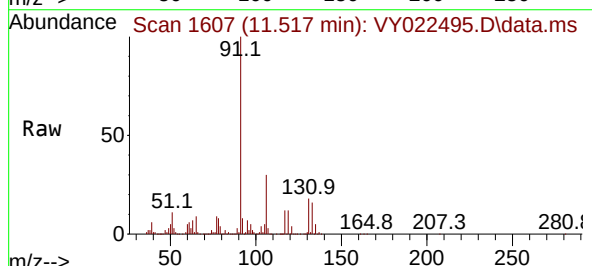
06/03/2025
Supervised By :Mahesh
Dadoda

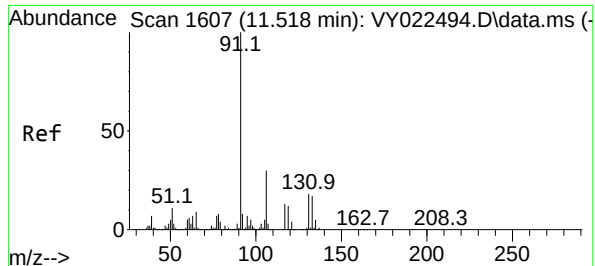
06/03/2025



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

VSTDIC100

Tgt Ion: 91 Resp: 1343424

Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.4

Manual Integrations

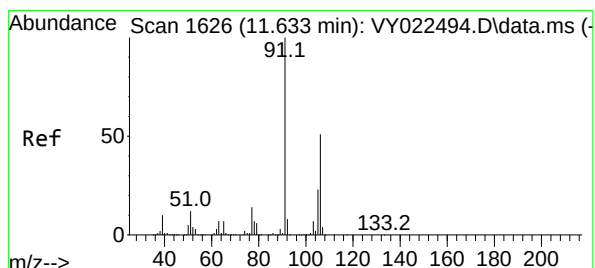
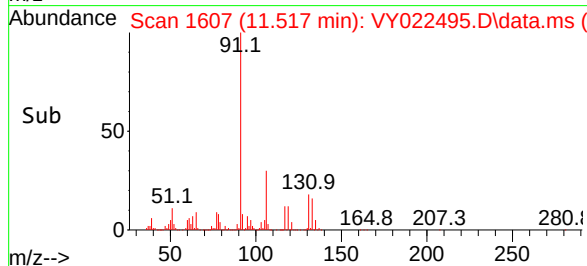
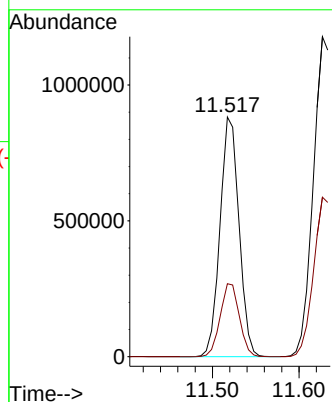
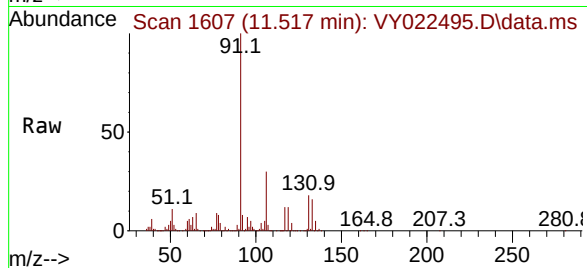
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#68

m/p-Xylenes

Concen: 215.017 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY022495.D

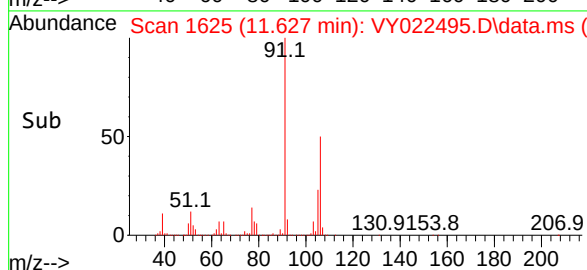
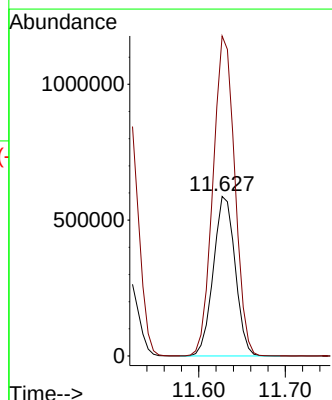
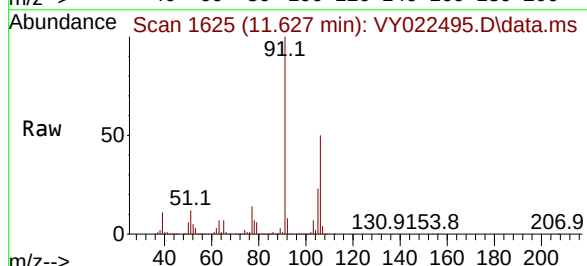
Acq: 02 Jun 2025 13:17

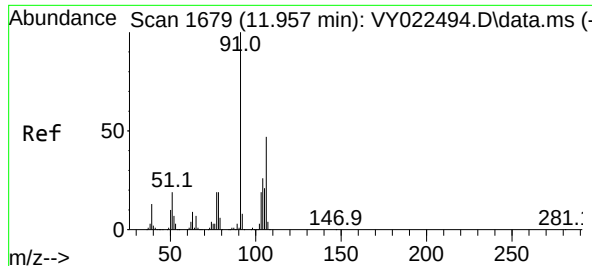
Tgt Ion:106 Resp: 1027669

Ion Ratio Lower Upper

106 100

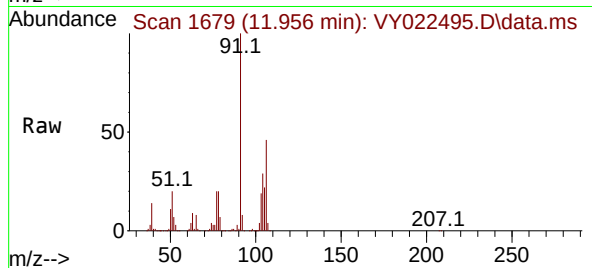
91 200.6 159.4 239.0





#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 :
VSTDIC100



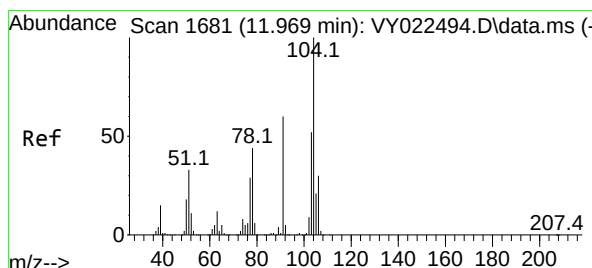
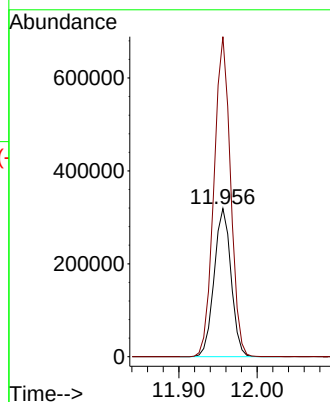
Tgt Ion:106 Resp: 478100
Ion Ratio Lower Upper
106 100
91 212.3 105.8 317.3

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

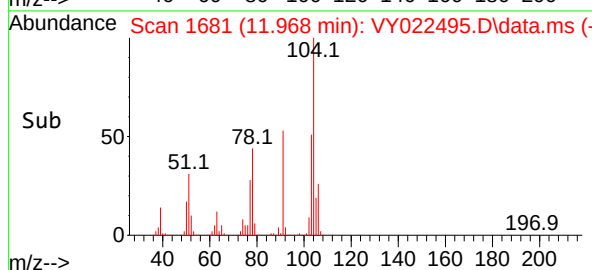
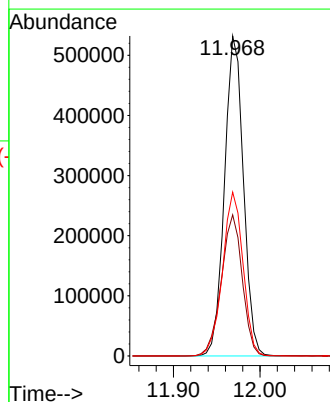
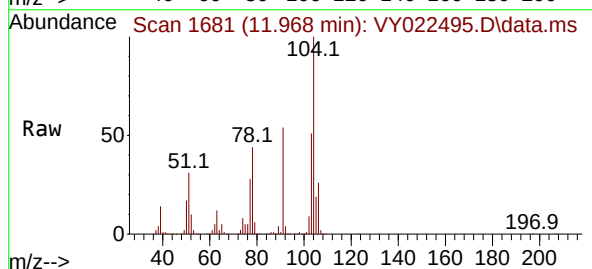
06/03/2025
Supervised By :Mahesh
Dadoda

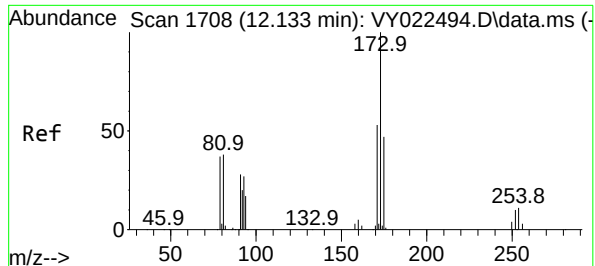
06/03/2025



#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

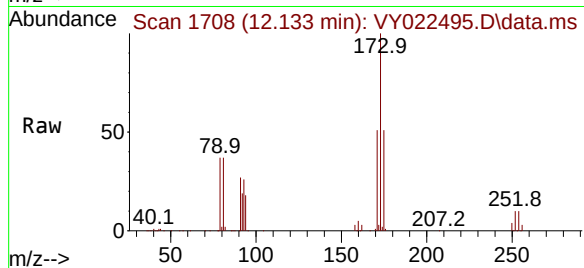
Tgt Ion:104 Resp: 807331
Ion Ratio Lower Upper
104 100
78 48.7 39.5 59.3
103 55.3 44.1 66.1





#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



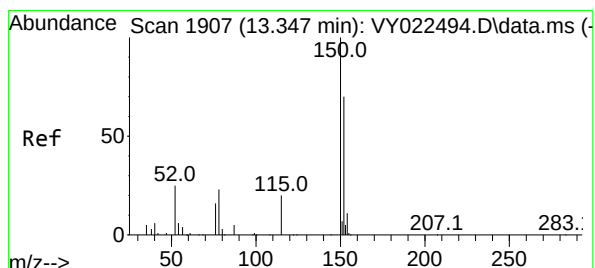
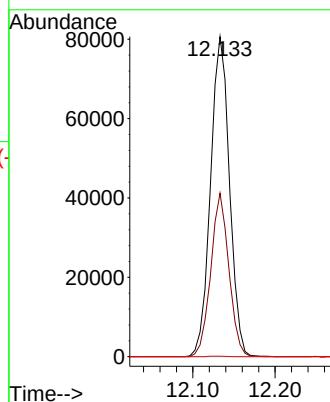
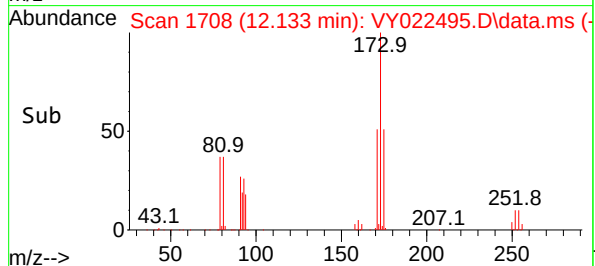
Tgt Ion:173 Resp: 129134
Ion Ratio Lower Upper
173 100
175 48.8 23.8 71.5
254 0.2 0.0 0.0

Manual Integrations
APPROVED

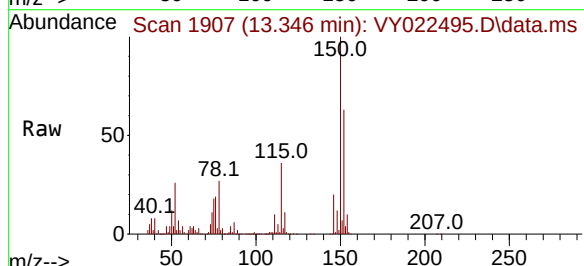
Reviewed By :Semsettin
Yesilyurt

06/03/2025
Supervised By :Mahesh
Dadoda

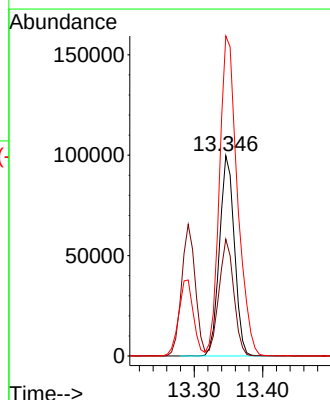
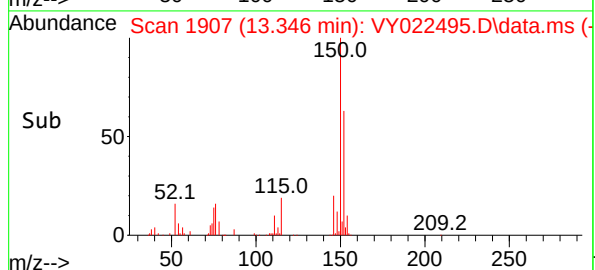
06/03/2025

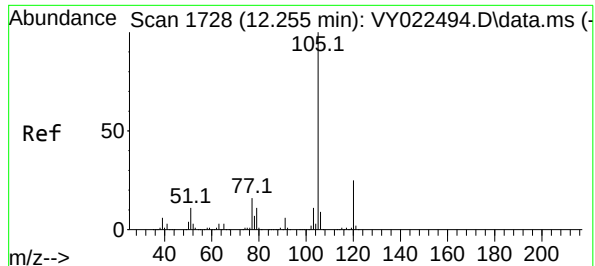


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17



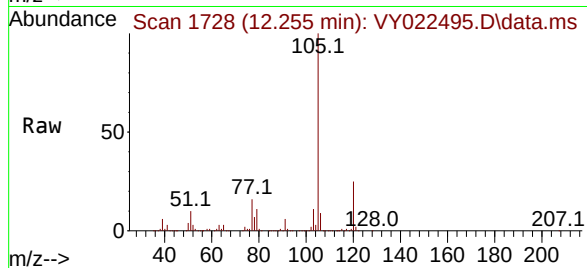
Tgt Ion:152 Resp: 150217
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.7
150 192.2 0.0 349.6





#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



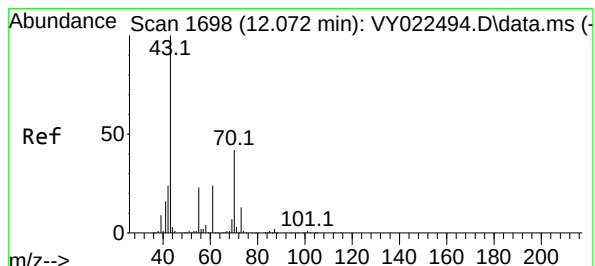
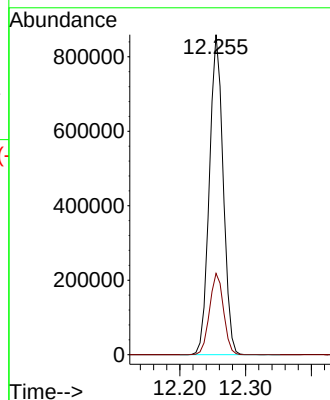
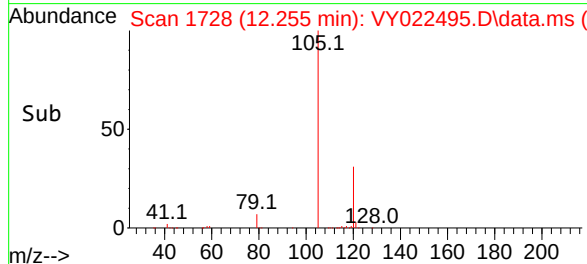
Tgt Ion:105 Resp: 125178
Ion Ratio Lower Upper
105 100
120 25.8 13.0 38.9

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

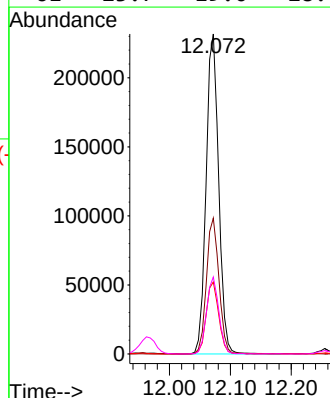
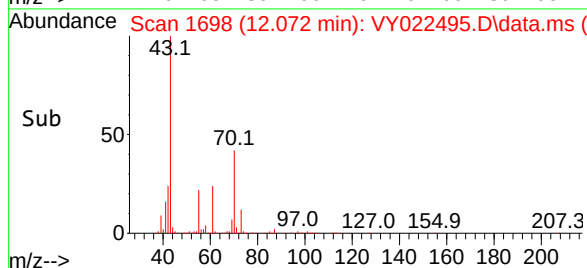
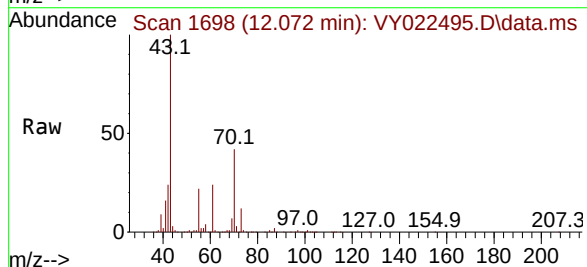
06/03/2025
Supervised By :Mahesh
Dadoda

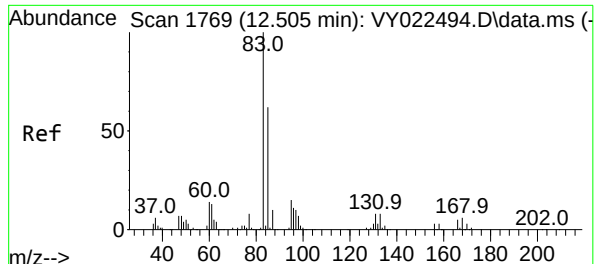
06/03/2025



#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

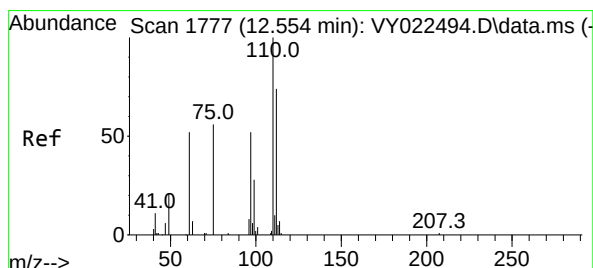
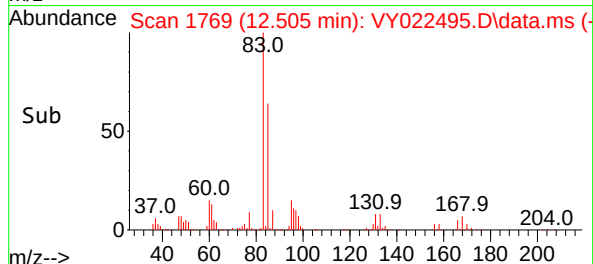
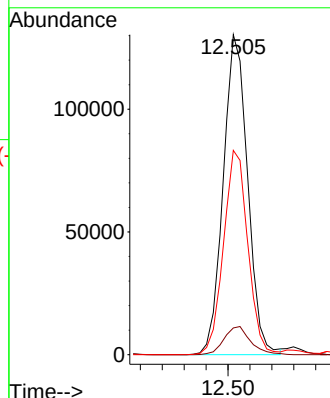
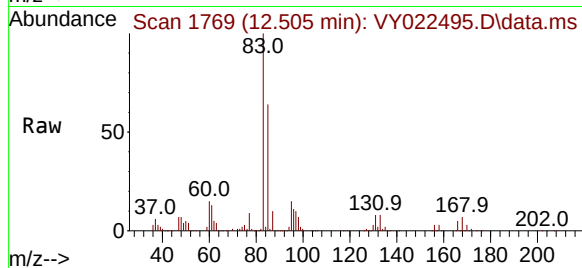
Tgt Ion:	83	Resp:	201554
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.7	32.6	97.8

Manual Integrations
APPROVEDReviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#76

1,2,3-Trichloropropane

Concen: 77.478 ug/l m

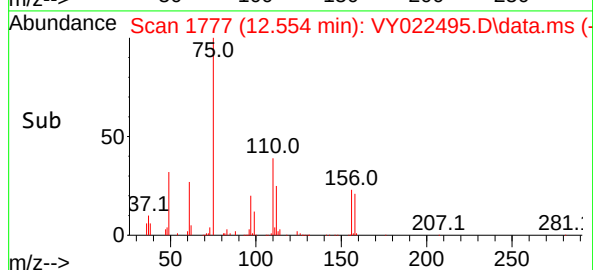
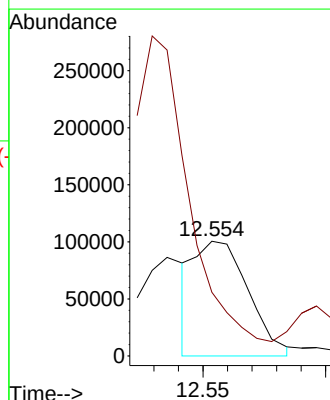
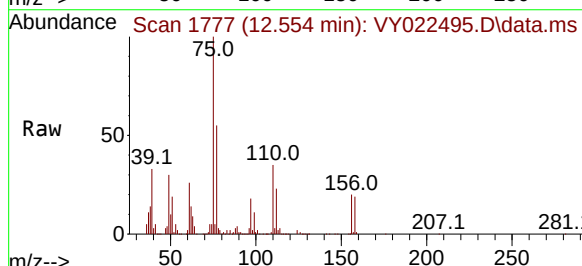
RT: 12.554 min Scan# 1777

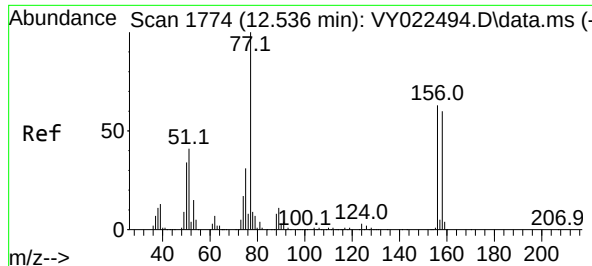
Delta R.T. -0.000 min

Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

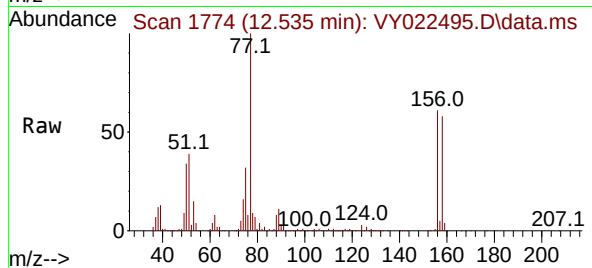
Tgt Ion:	75	Resp:	153645
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#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



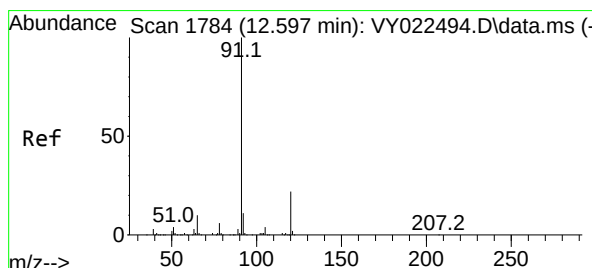
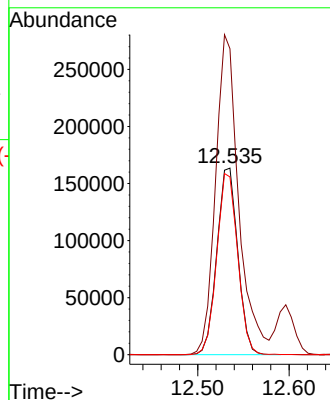
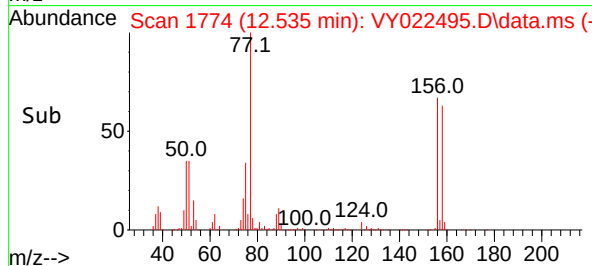
Tgt Ion:156 Resp: 26052
Ion Ratio Lower Upper
156 100
77 189.8 94.0 282.1
158 97.1 48.2 144.6

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

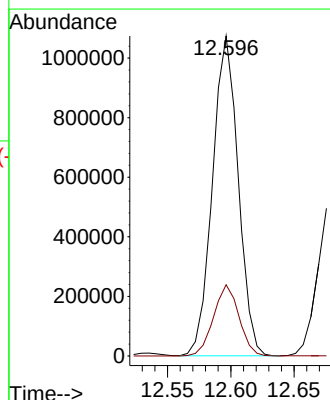
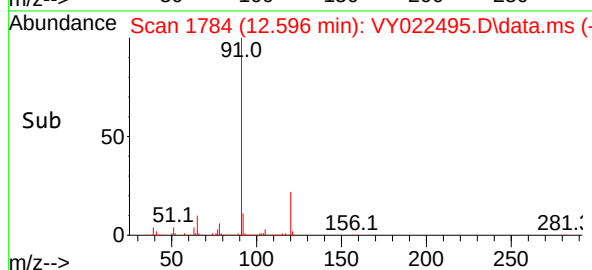
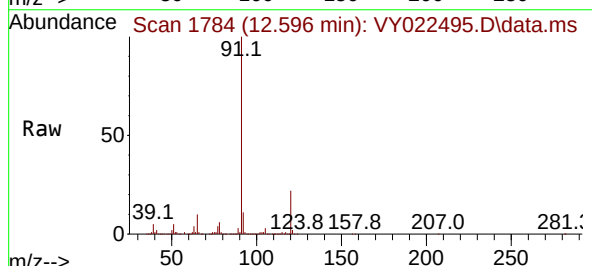
06/03/2025
Supervised By :Mahesh
Dadoda

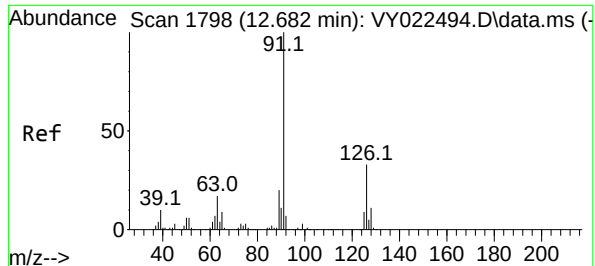
06/03/2025



#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

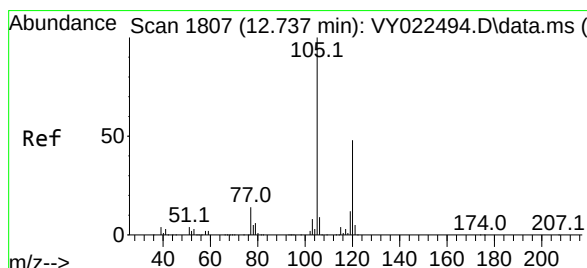
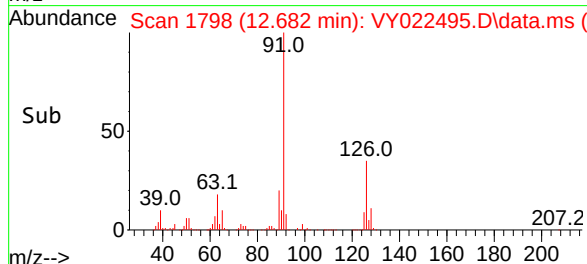
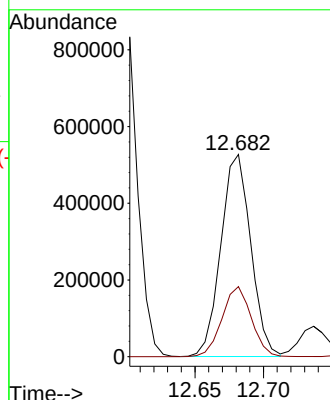
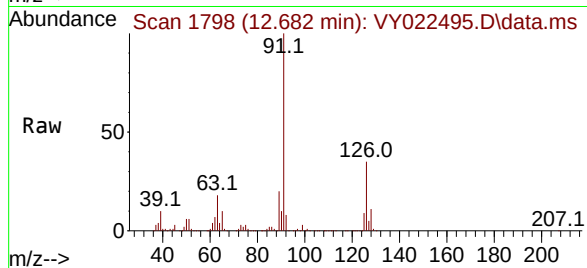
APPROVED

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

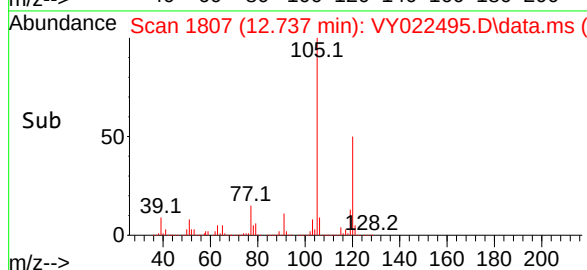
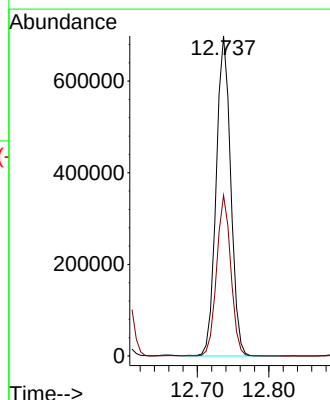
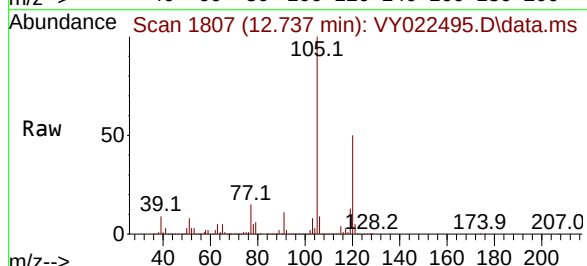
Acq: 02 Jun 2025 13:17

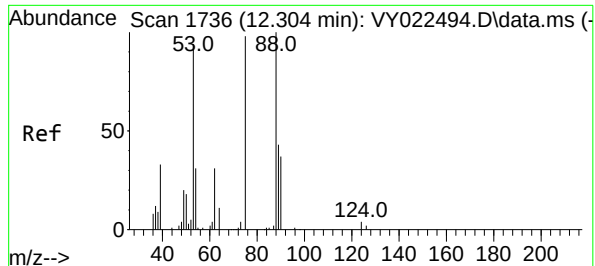
Tgt Ion:105 Resp: 983812

Ion Ratio Lower Upper

105 100

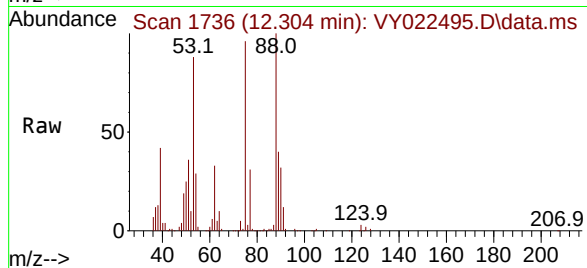
120 48.9 24.1 72.4





#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



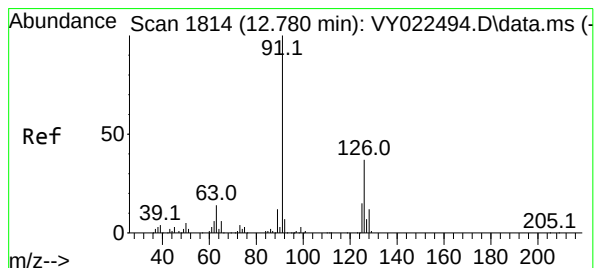
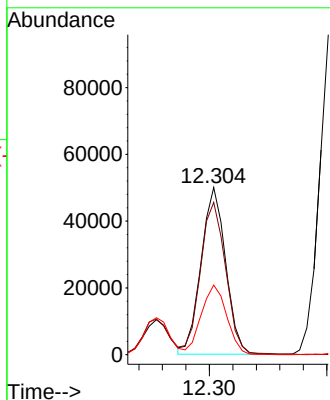
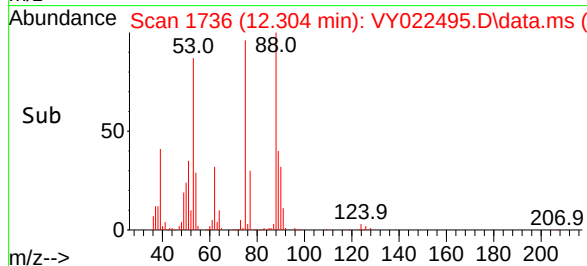
Tgt Ion: 75 Resp: 72518
Ion Ratio Lower Upper
75 100
53 94.6 78.5 117.7
89 43.2 35.7 53.5

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

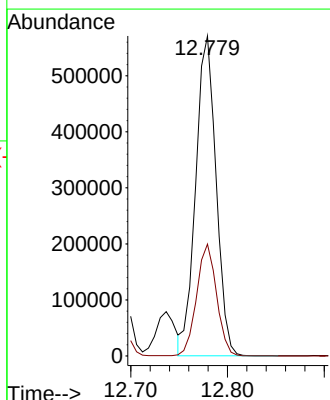
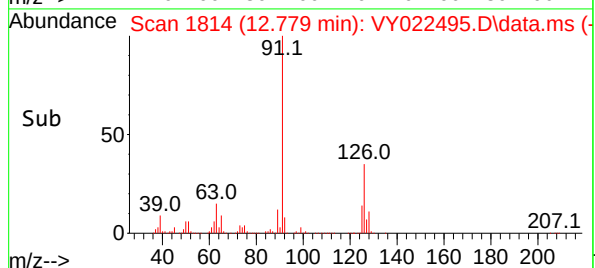
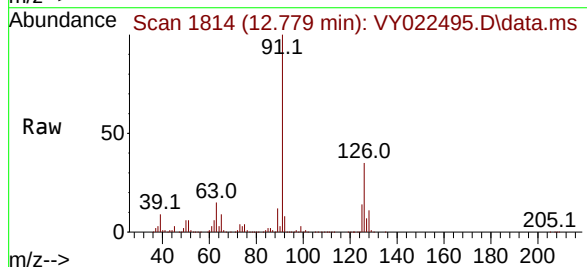
06/03/2025
Supervised By :Mahesh
Dadoda

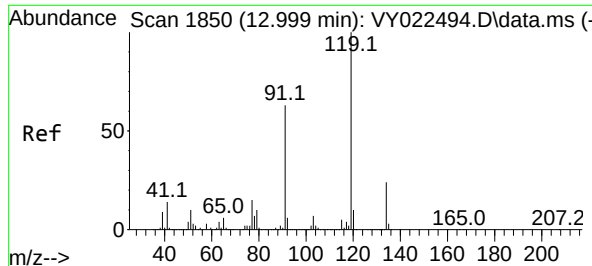
06/03/2025



#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

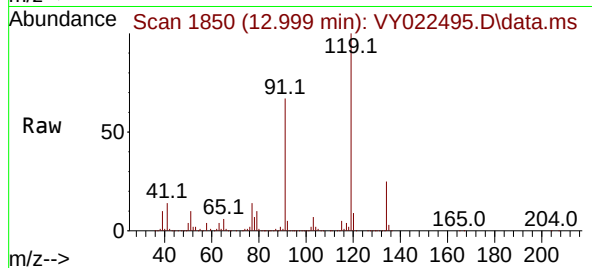
Acq: 02 Jun 2025 13:17

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

APPROVED

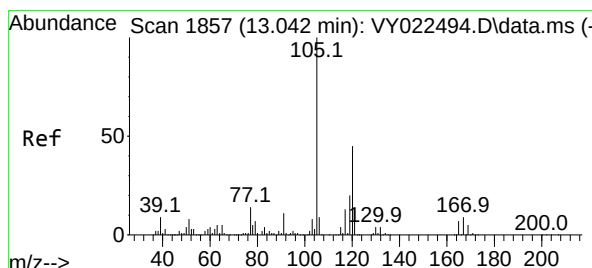
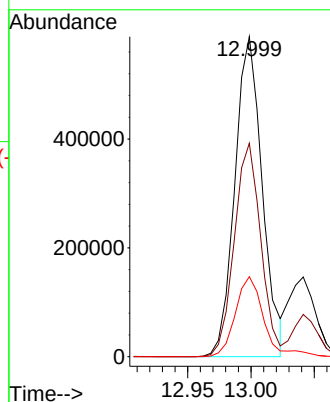
Reviewed By :Semsettin

Yesilyurt

06/03/2025

Supervised By :Mahesh
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

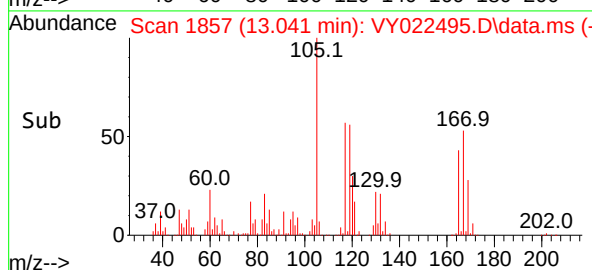
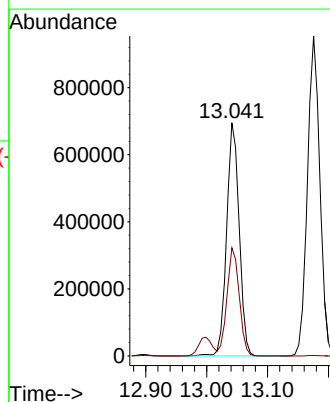
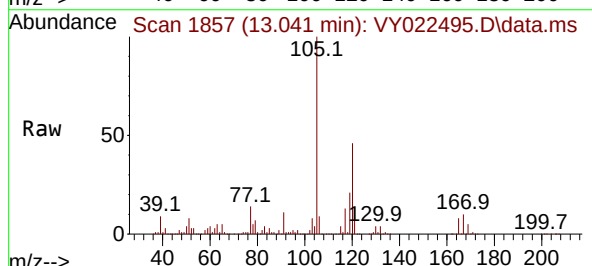
Acq: 02 Jun 2025 13:17

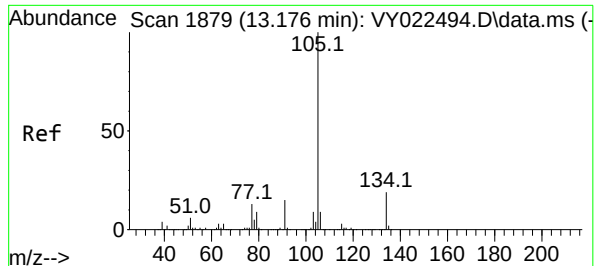
Tgt Ion:105 Resp: 992770

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

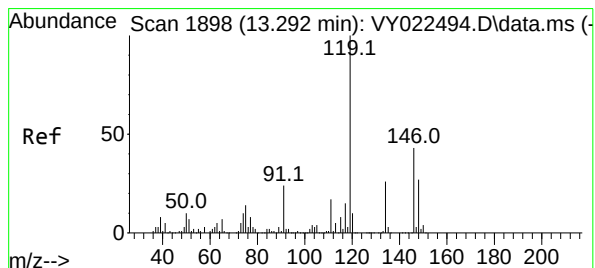
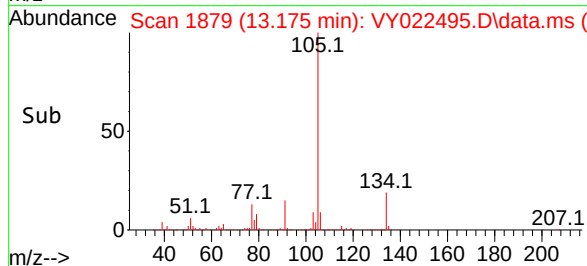
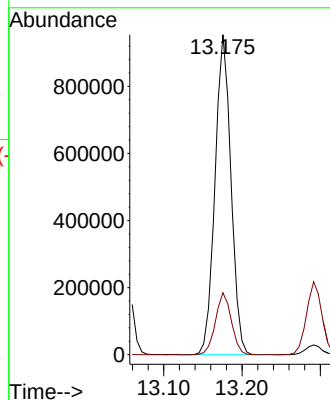
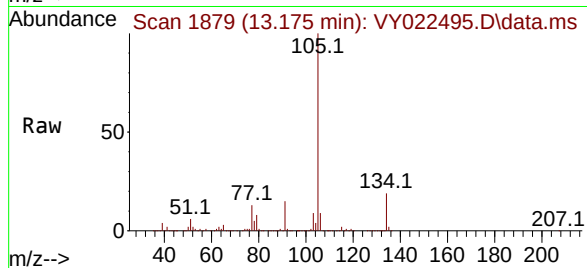
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#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

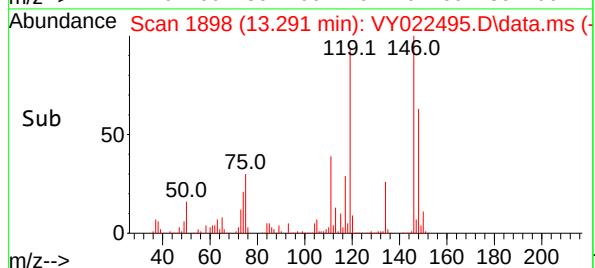
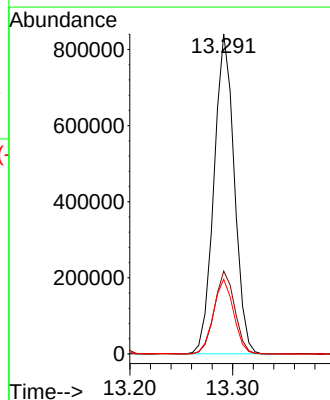
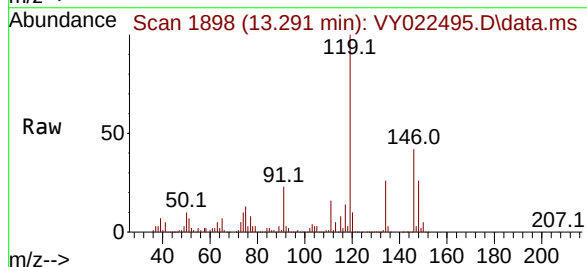
Tgt Ion:119 Resp: 1148821

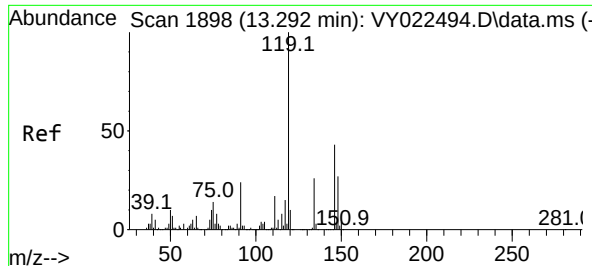
Ion Ratio Lower Upper

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

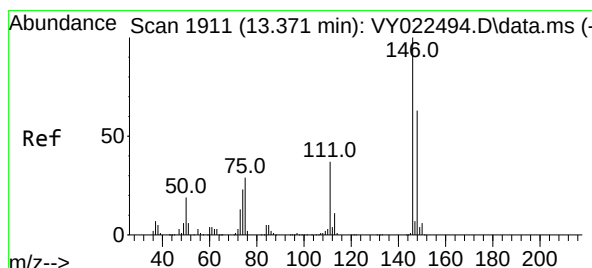
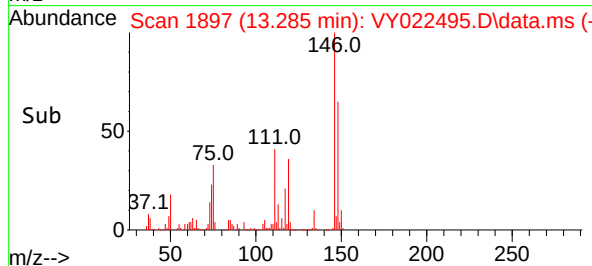
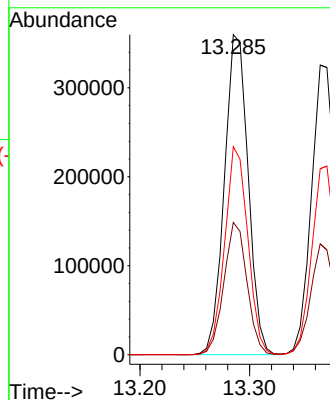
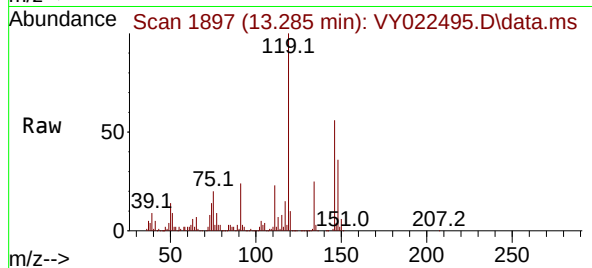
APPROVED

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

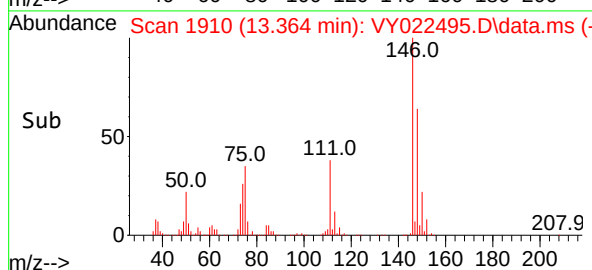
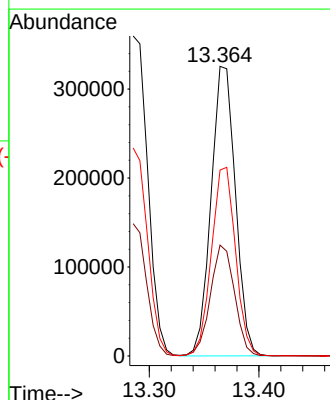
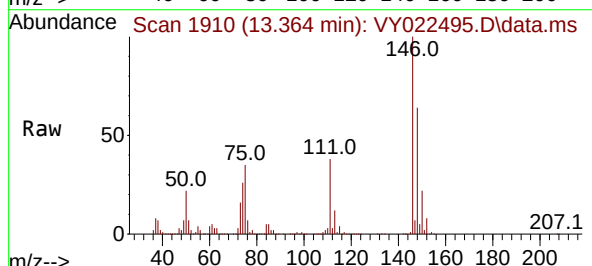
Tgt Ion:146 Resp: 503842

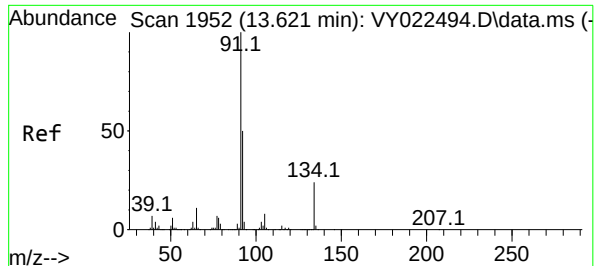
Ion Ratio Lower Upper

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

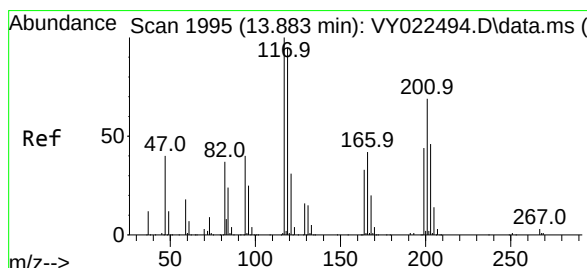
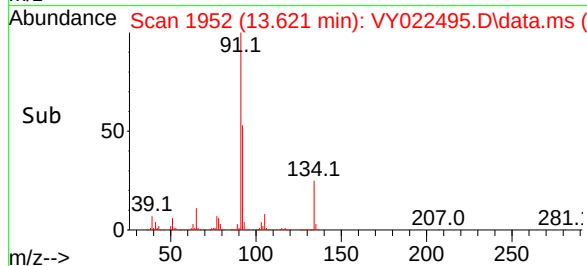
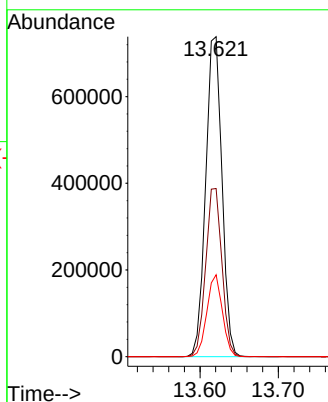
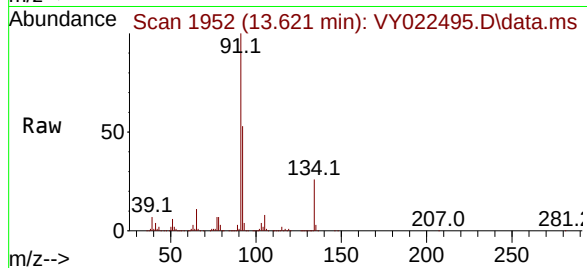
Manual Integrations
APPROVED

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

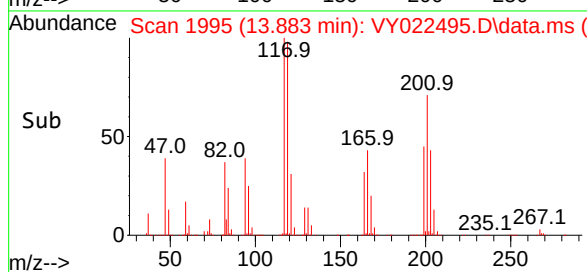
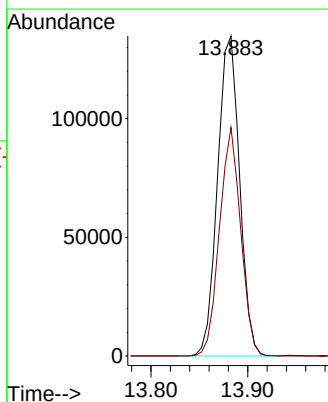
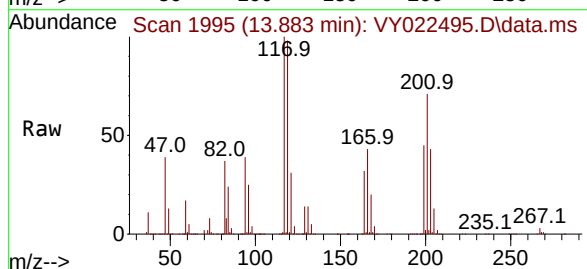
Delta R.T. -0.000 min

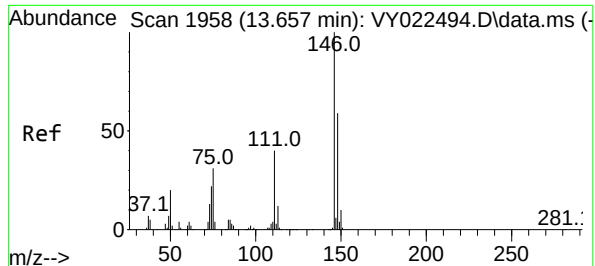
Lab File: VY022495.D

Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 213148

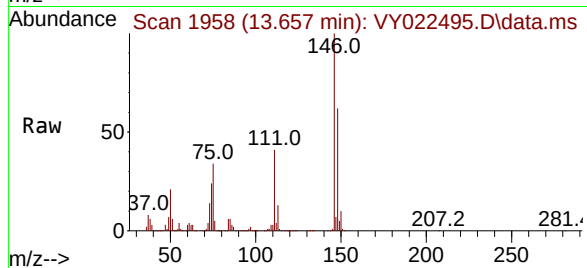
Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.0	102.0





#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 :
VSTDICC100



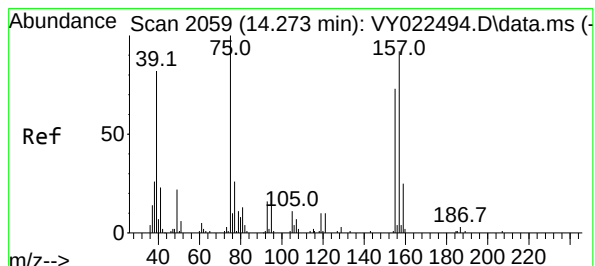
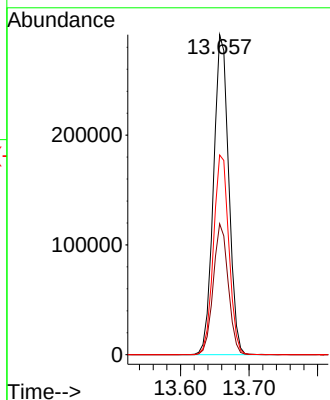
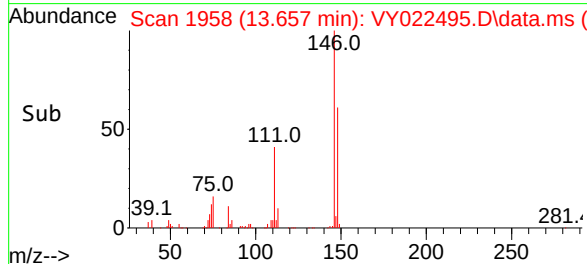
Tgt Ion:146 Resp: 447574
Ion Ratio Lower Upper
146 100
111 40.2 20.2 60.6
148 63.2 31.4 94.0

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

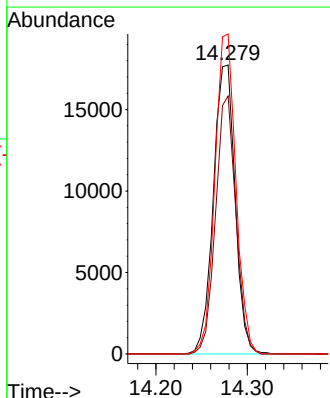
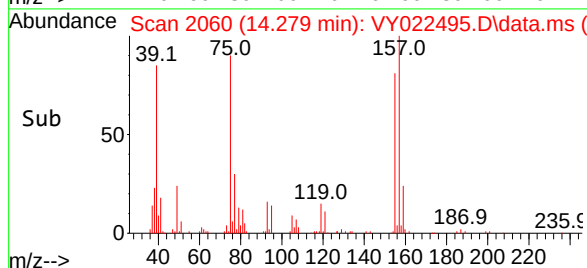
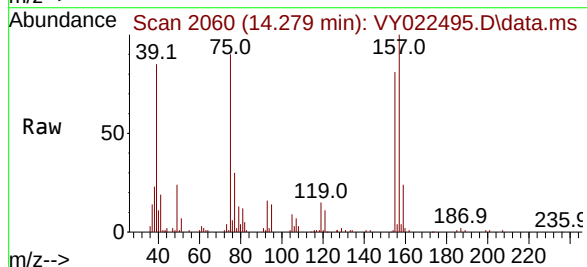
06/03/2025
Supervised By :Mahesh
Dadoda

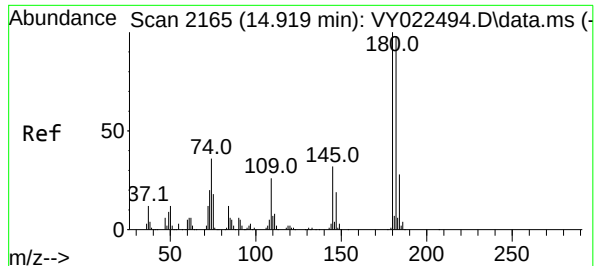
06/03/2025



#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 :

VSTDIC100

Manual Integrations

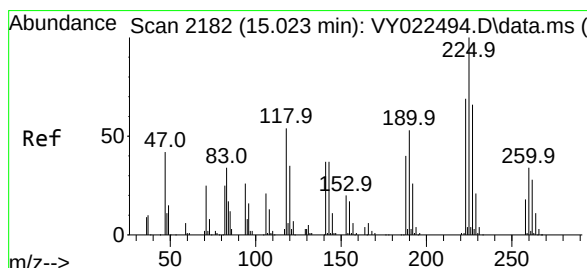
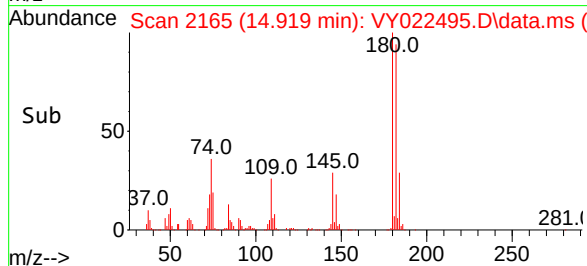
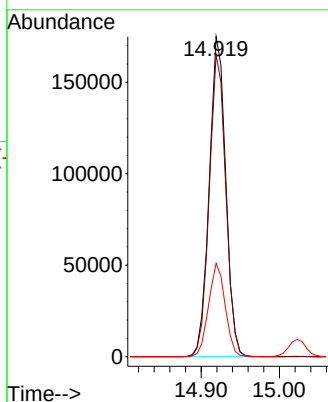
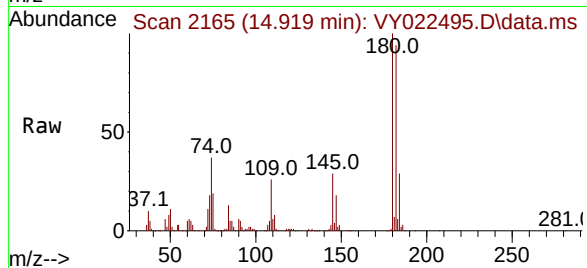
APPROVED

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

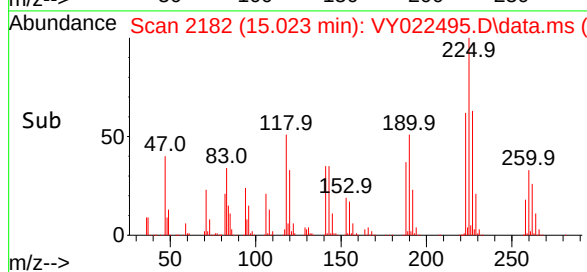
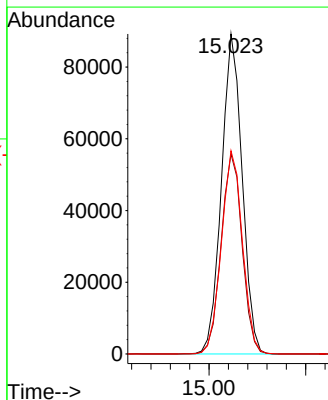
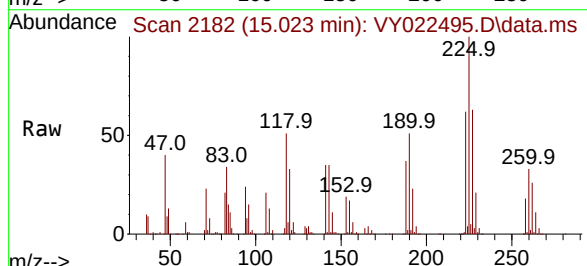
Tgt Ion:225 Resp: 132452

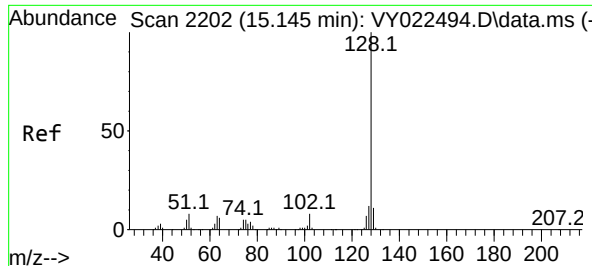
Ion Ratio Lower Upper

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

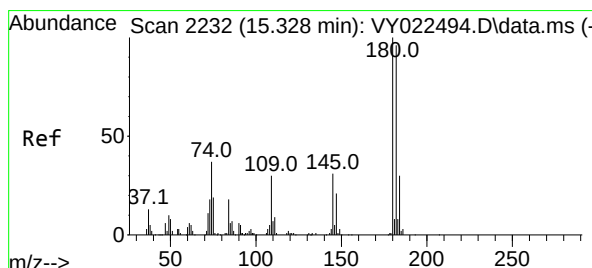
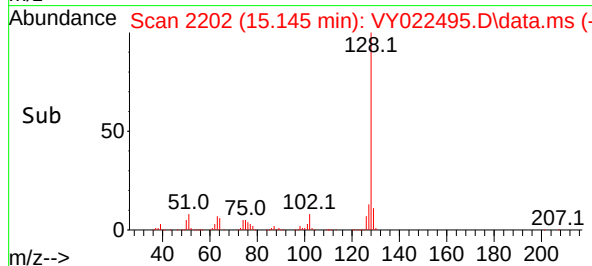
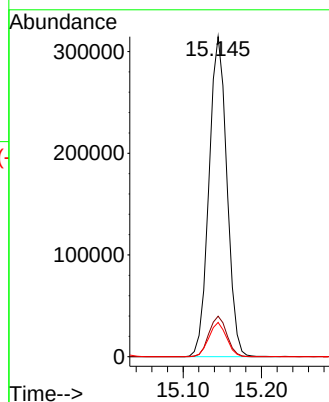
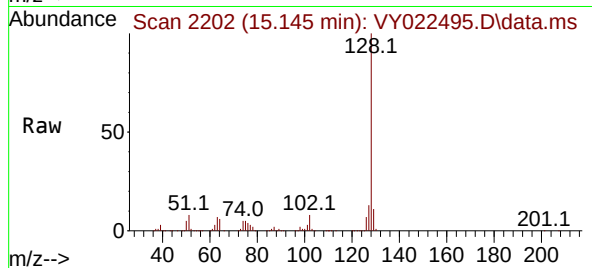
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

06/03/2025

Supervised By :Mahesh
Dadoda

06/03/2025



#96

1,2,3-Trichlorobenzene

Concen: 104.136 ug/l

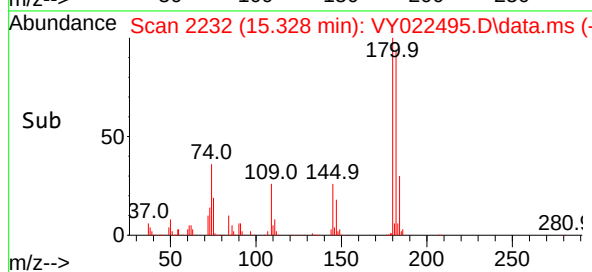
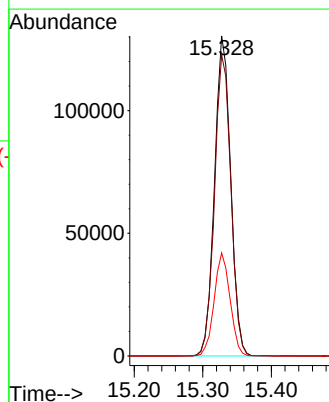
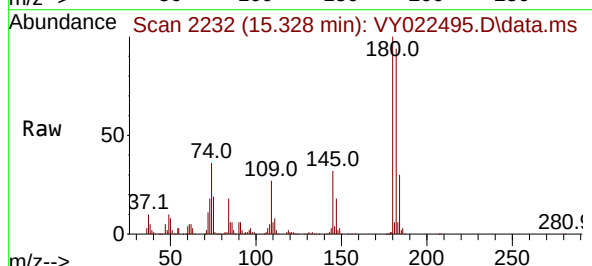
RT: 15.328 min Scan# 2232

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

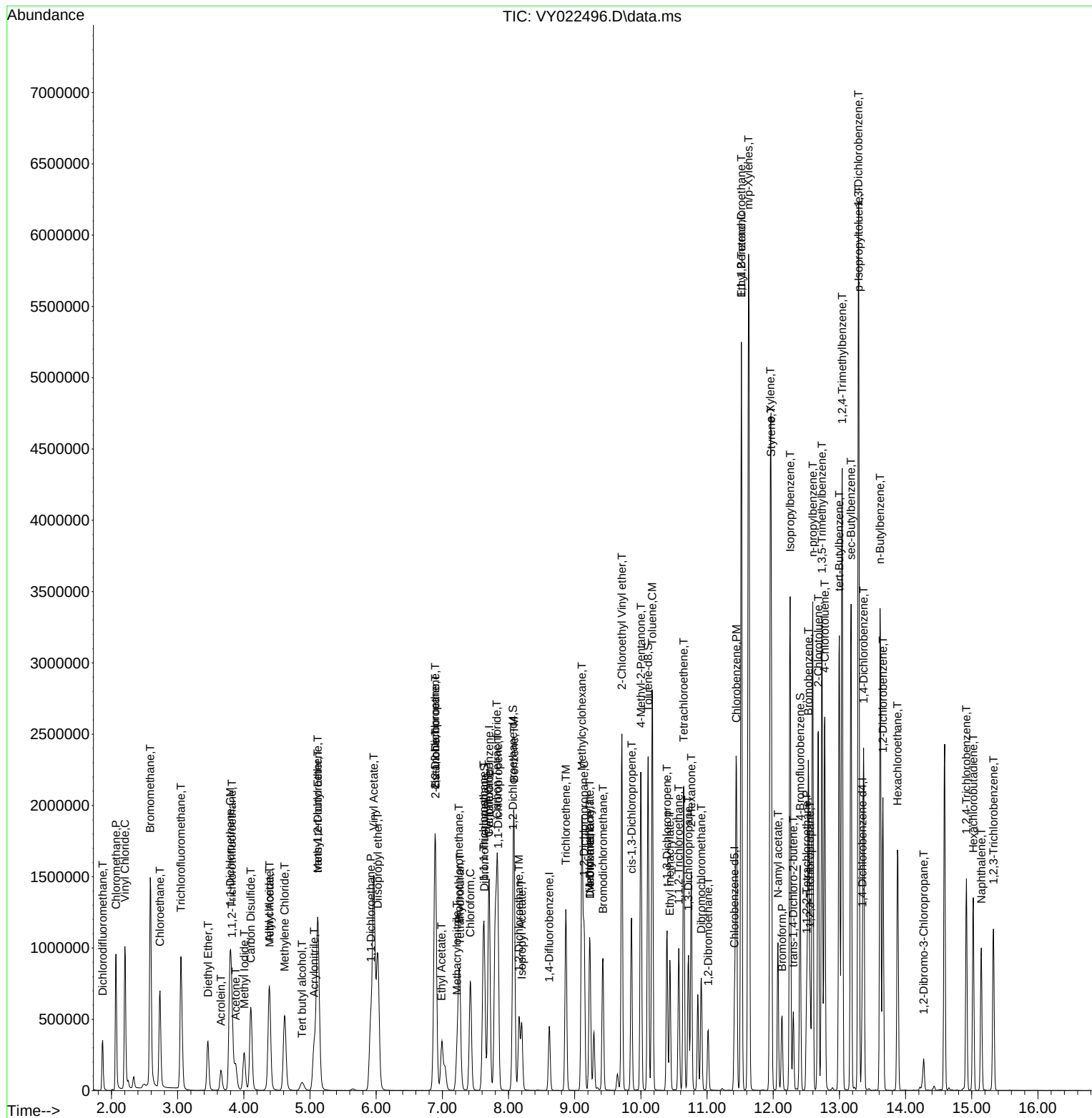
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

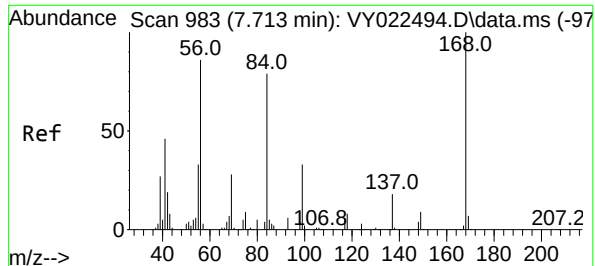
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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





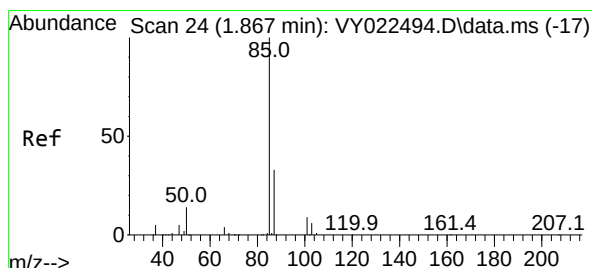
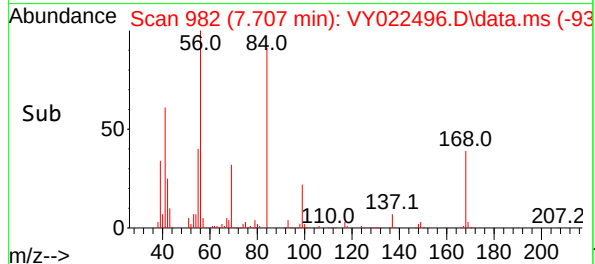
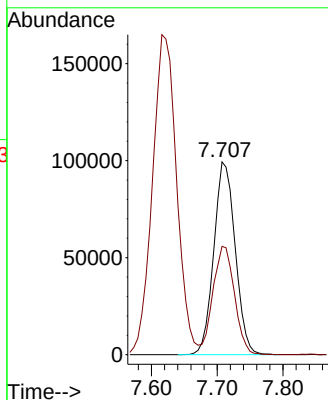
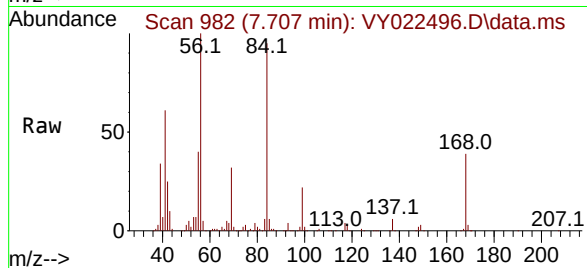
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 983
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

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

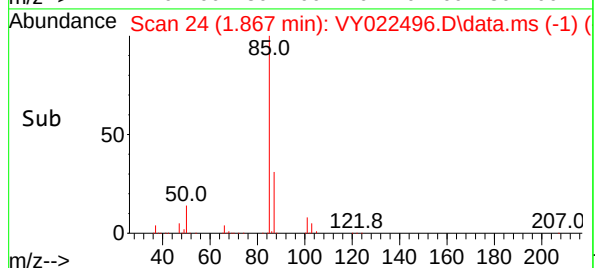
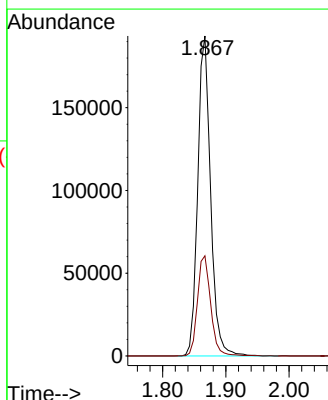
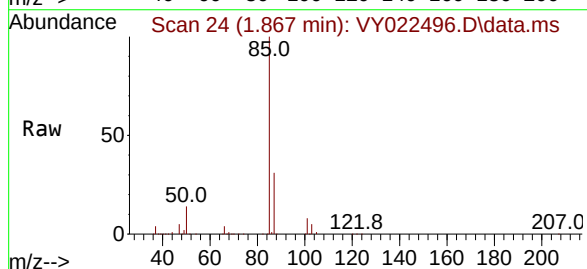
Manual Integrations
APPROVED

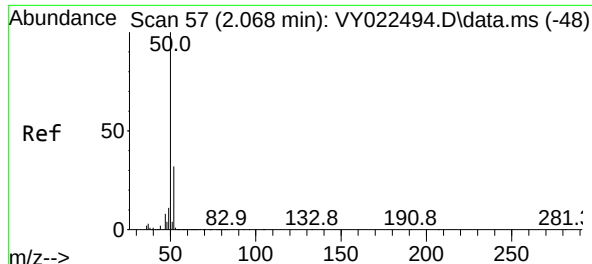
Reviewed By : Semsettin Yesilyurt 06/03/2025
Supervised By : Mahesh Dadoda 06/03/2025



#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

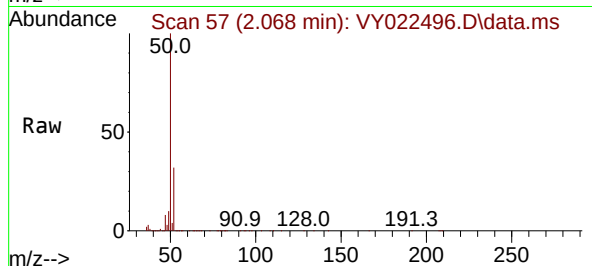
Tgt Ion: 85 Resp: 273817
Ion Ratio Lower Upper
85 100
87 31.3 16.7 50.0





#3
Chloromethane
Concen: 137.873 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

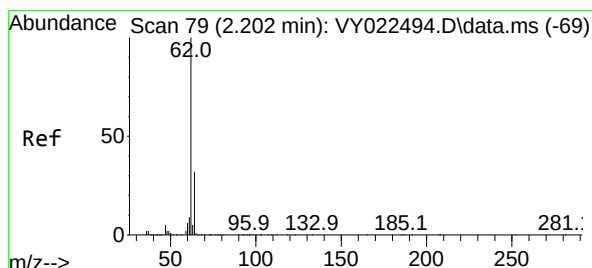
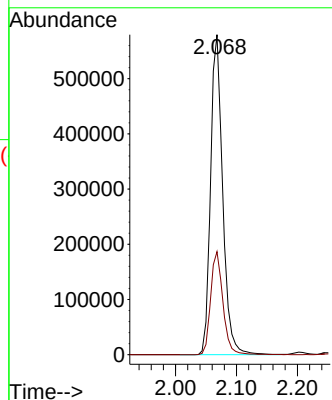
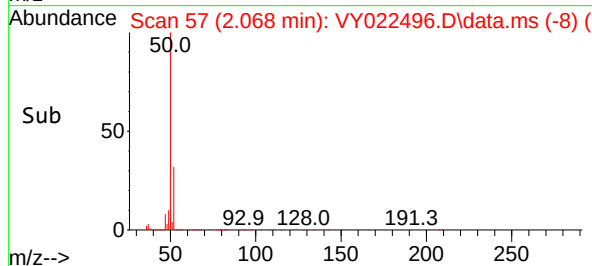
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 50 Resp: 800733
Ion Ratio Lower Upper
50 100
52 32.2 26.0 39.0

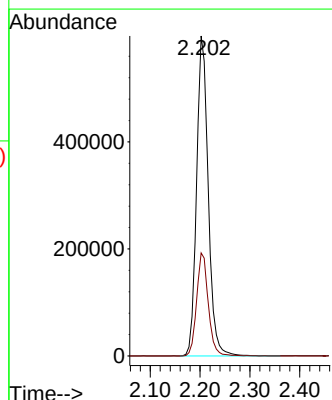
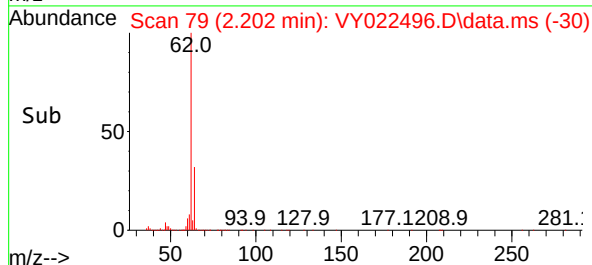
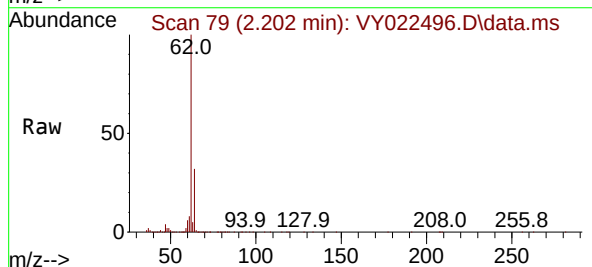
Manual Integrations
APPROVED

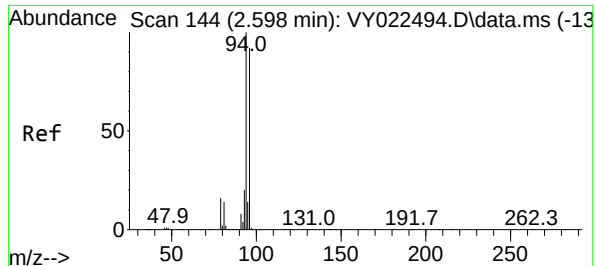
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

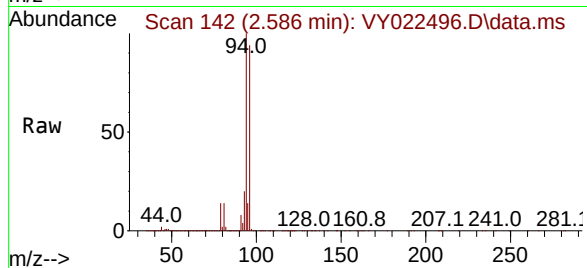
Tgt Ion: 62 Resp: 967746
Ion Ratio Lower Upper
62 100
64 32.2 25.3 37.9





#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

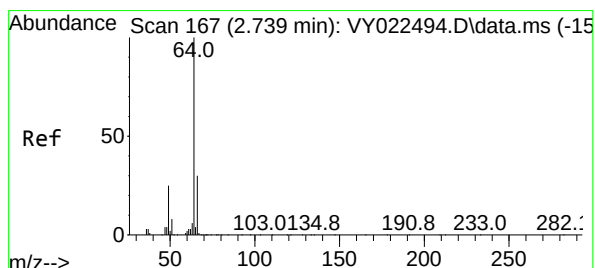
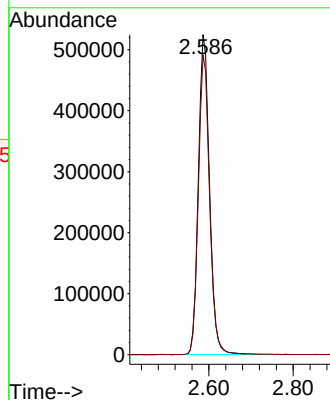
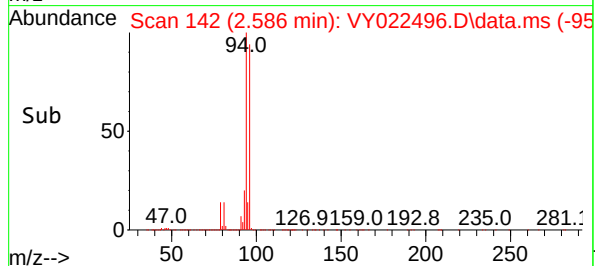
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 970833
Ion Ratio Lower Upper
94 100
96 93.7 74.0 111.0

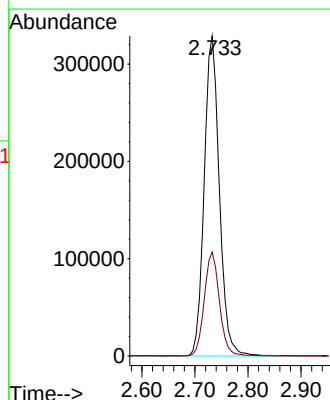
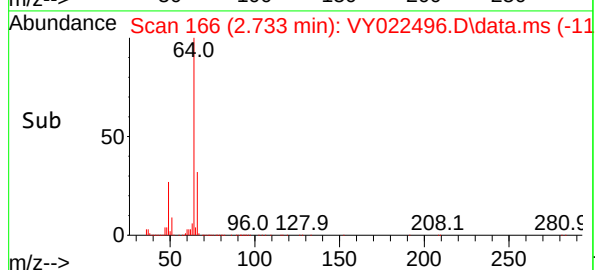
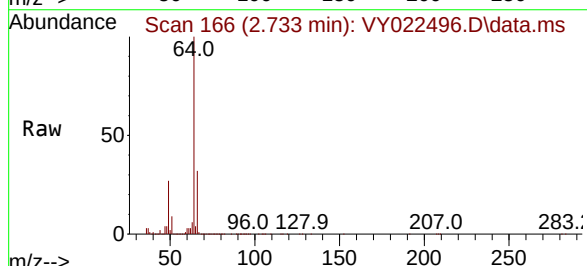
Manual Integrations
APPROVED

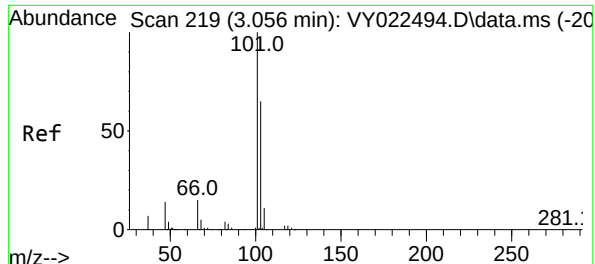
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

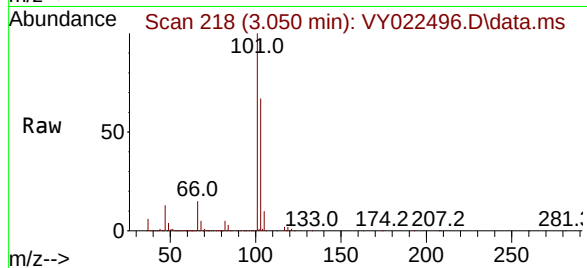
Tgt Ion: 64 Resp: 651603
Ion Ratio Lower Upper
64 100
66 32.4 23.8 35.6





#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

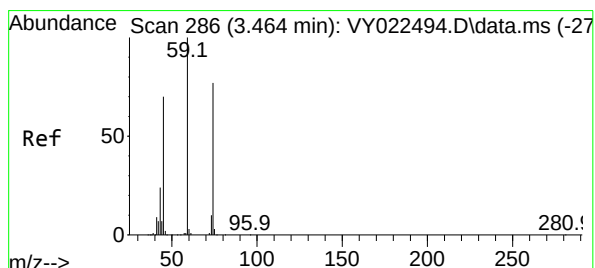
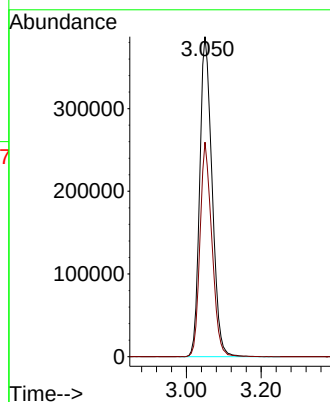
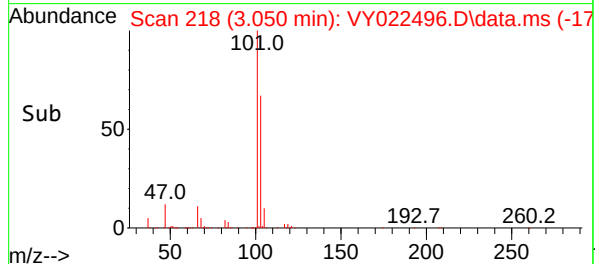
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



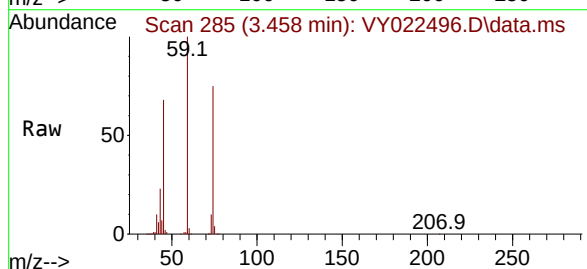
Tgt Ion:101 Resp: 88539
Ion Ratio Lower Upper
101 100
103 67.0 52.2 78.2

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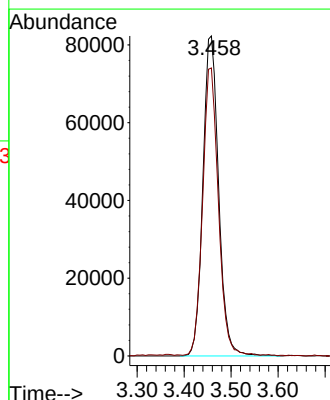
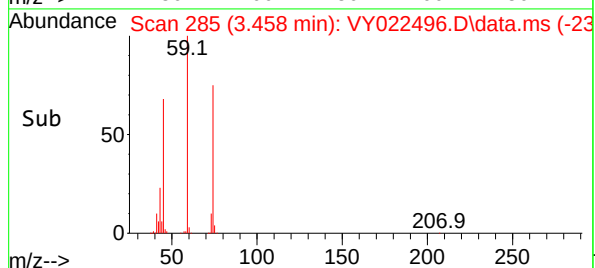
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

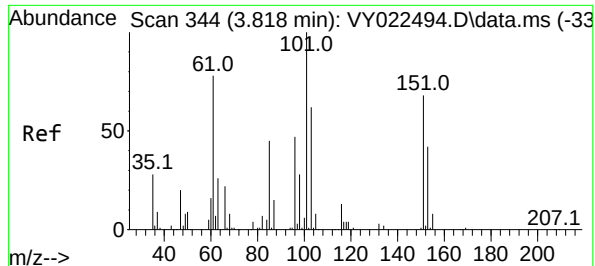


#8
Diethyl Ether
Concen: 150.036 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39



Tgt Ion: 74 Resp: 191391
Ion Ratio Lower Upper
74 100
45 89.8 45.9 137.6





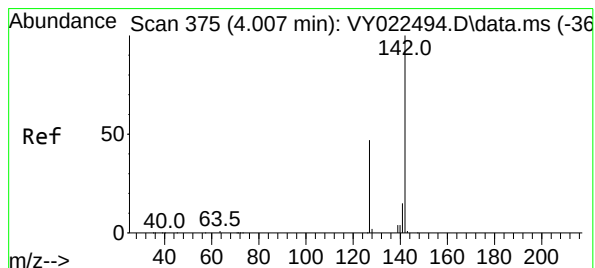
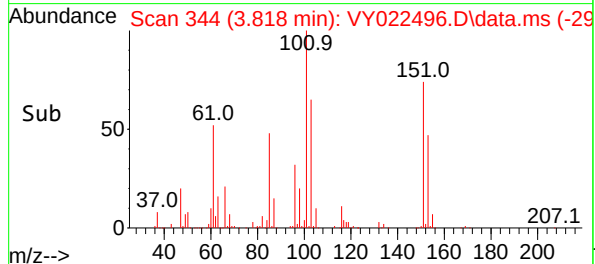
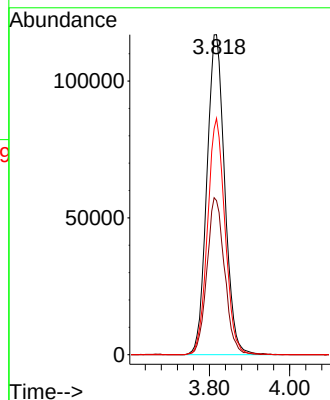
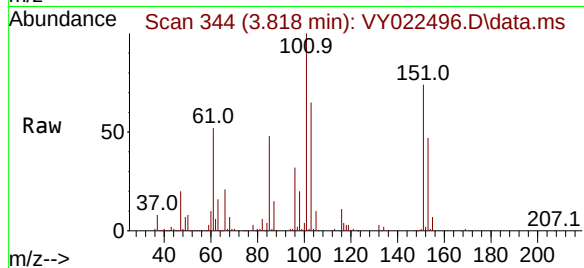
#9
1,1,2-Trichlorotrifluoroethane
Concen: 148.929 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

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

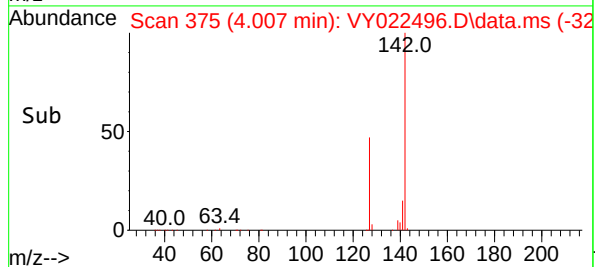
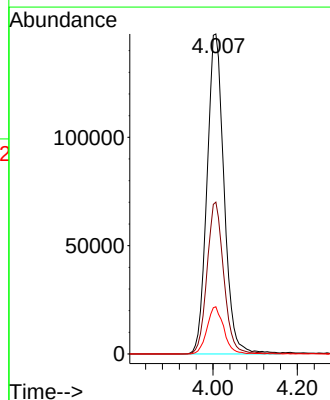
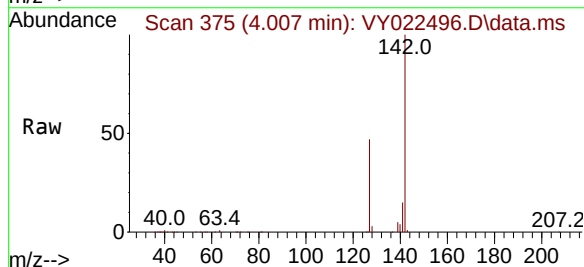
Manual Integrations
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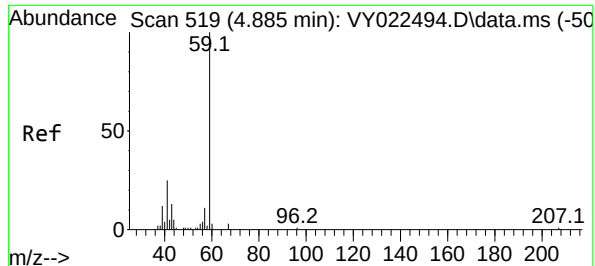
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

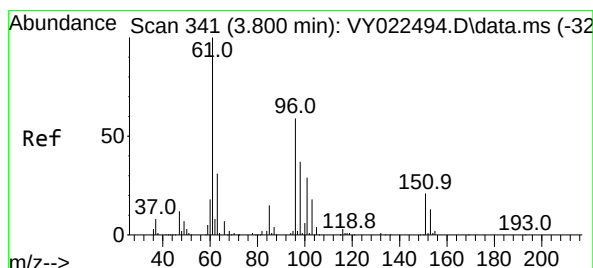
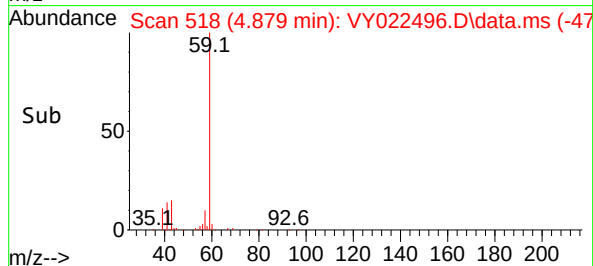
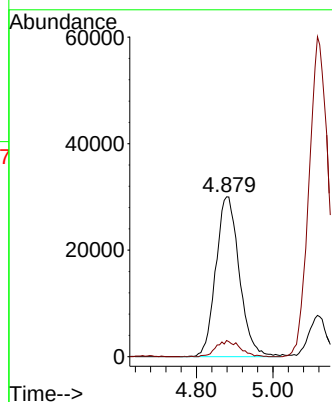
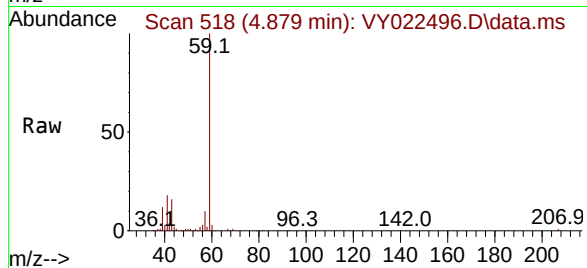
57 10.1 8.0 12.0

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

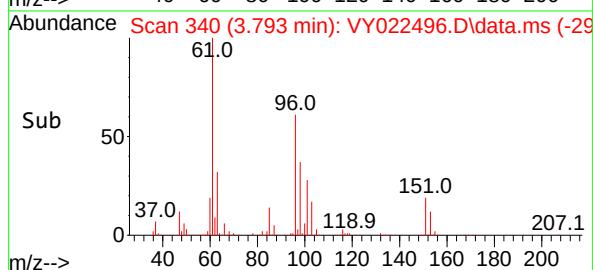
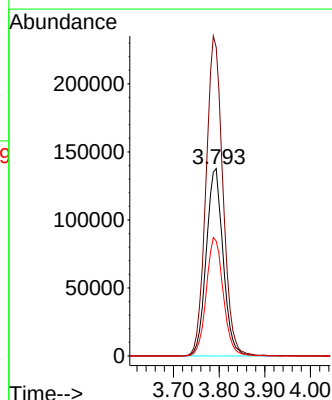
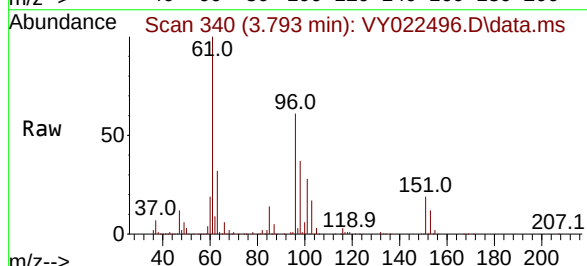
Tgt Ion: 96 Resp: 353193

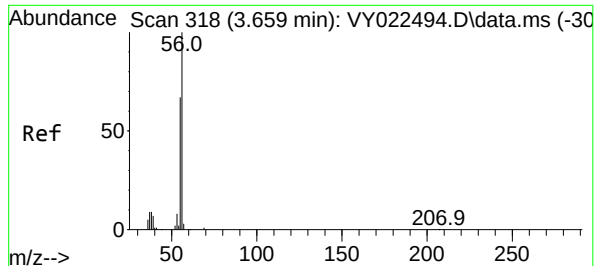
Ion Ratio Lower Upper

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 :

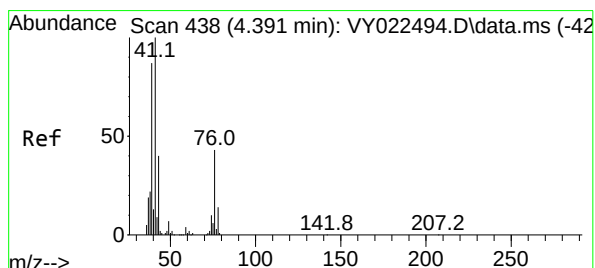
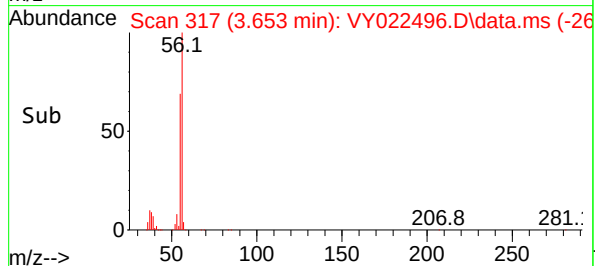
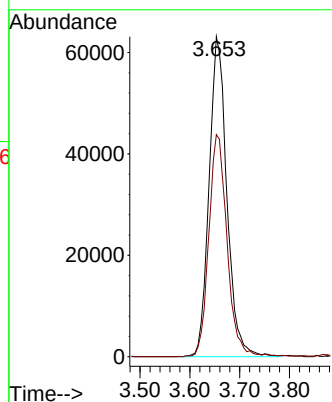
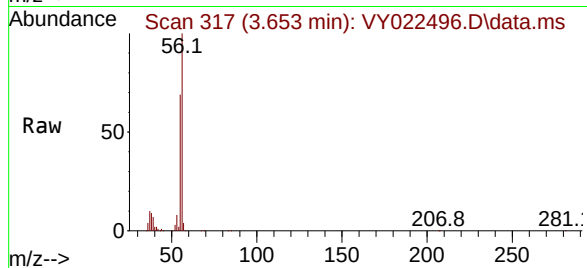
VSTDICC150

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

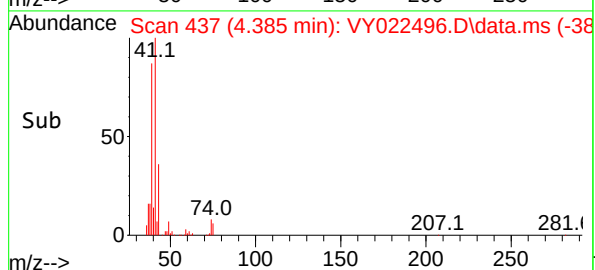
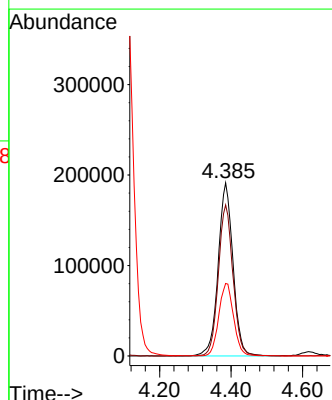
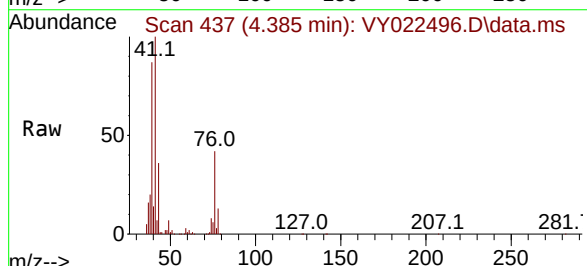
Tgt Ion: 41 Resp: 551896

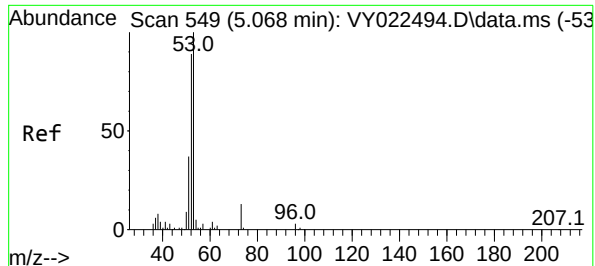
Ion Ratio Lower Upper

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# 54

Delta R.T. -0.006 min

Lab File: VY022496.D

Acq: 02 Jun 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 53 Resp: 406749

Ion Ratio Lower Upper

53 100

52 81.8 65.7 98.5

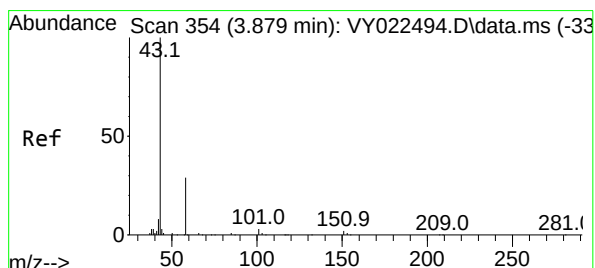
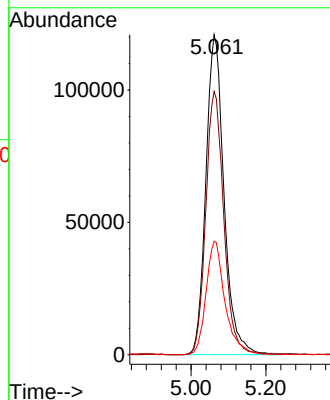
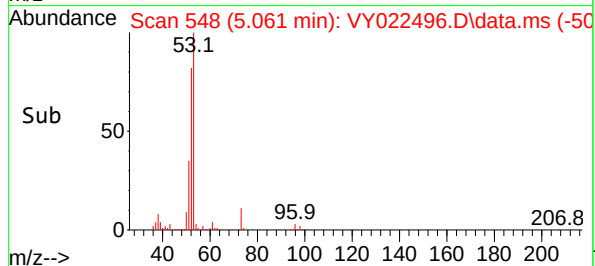
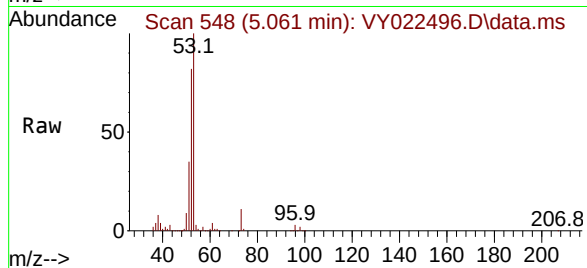
51 37.1 30.1 45.1

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

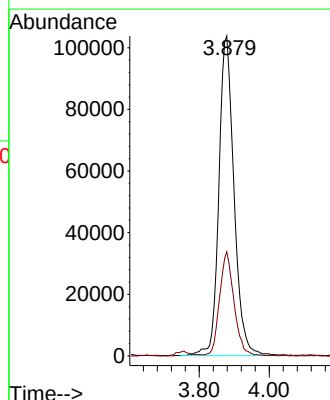
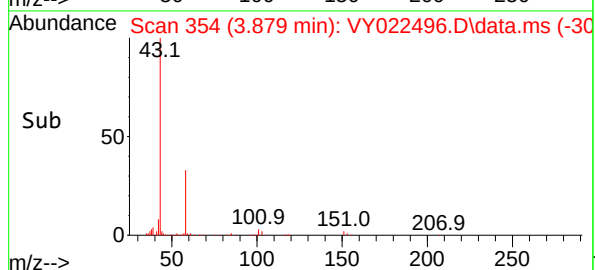
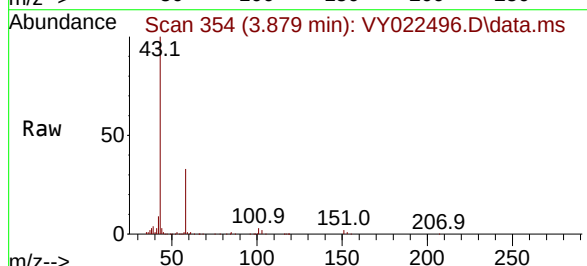
Acq: 02 Jun 2025 13:39

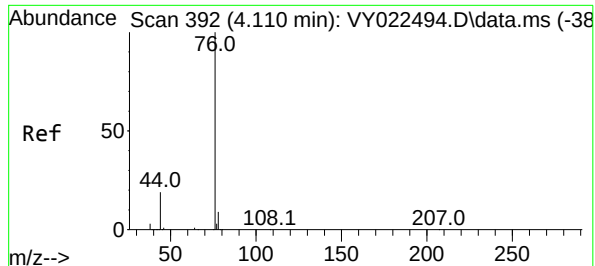
Tgt Ion: 43 Resp: 311886

Ion Ratio Lower Upper

43 100

58 32.5 24.0 36.0





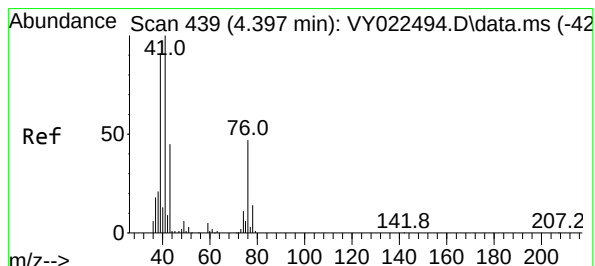
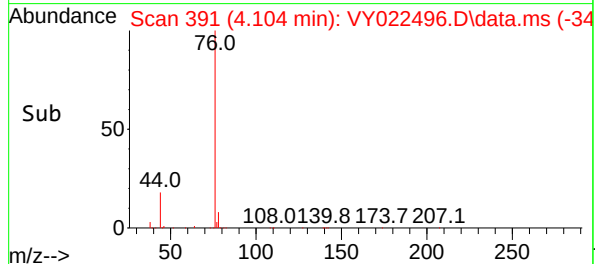
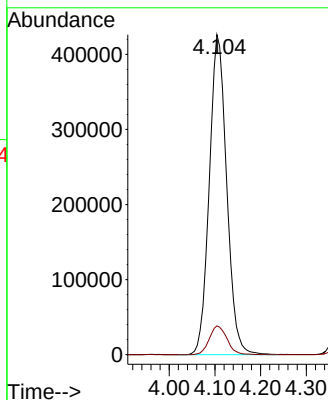
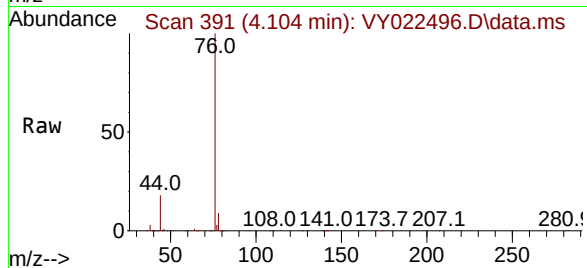
#17
Carbon Disulfide
Concen: 152.513 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 112607
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

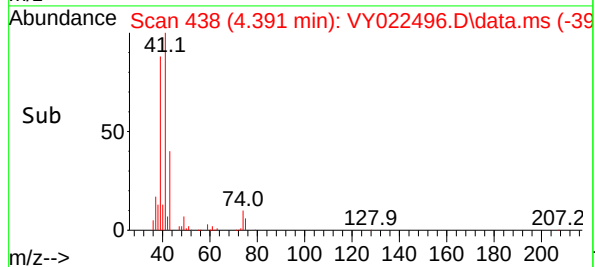
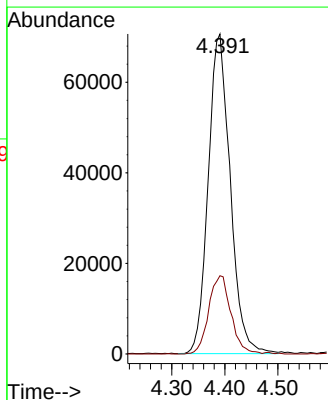
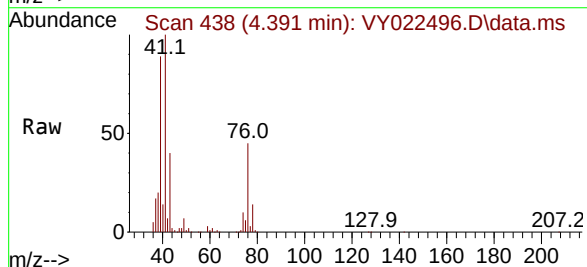
Manual Integrations
APPROVED

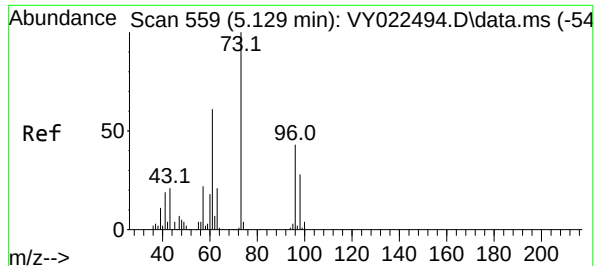
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

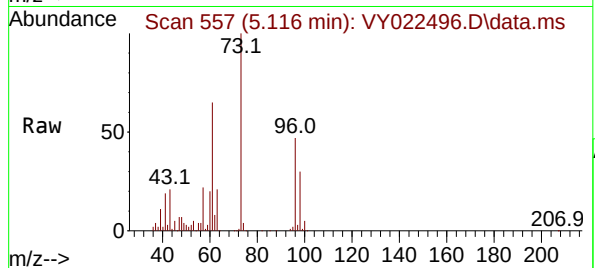
Tgt Ion: 43 Resp: 203507
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.6





#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

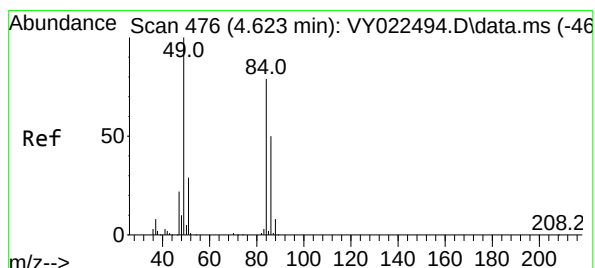
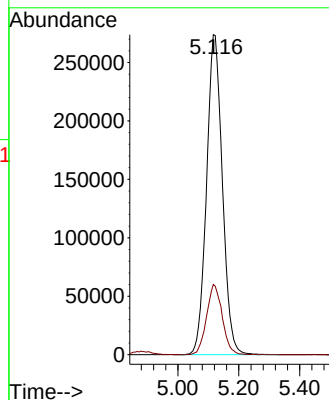
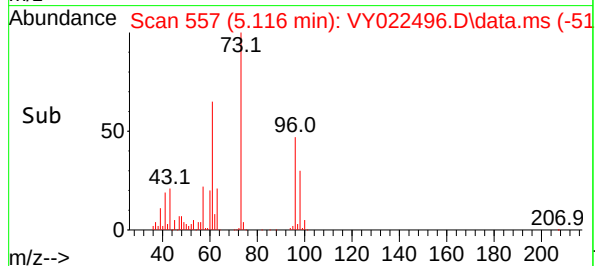
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 73 Resp: 98807
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.0

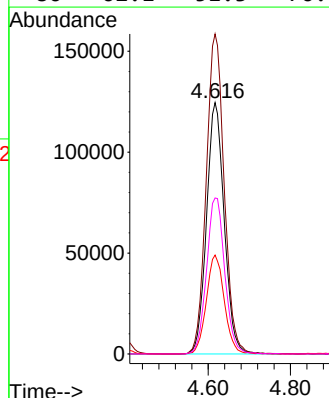
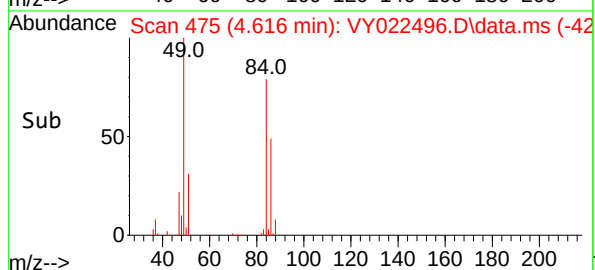
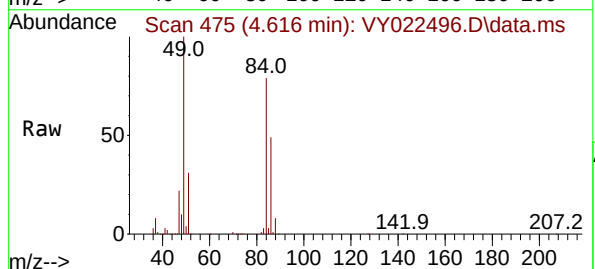
Manual Integrations
APPROVED

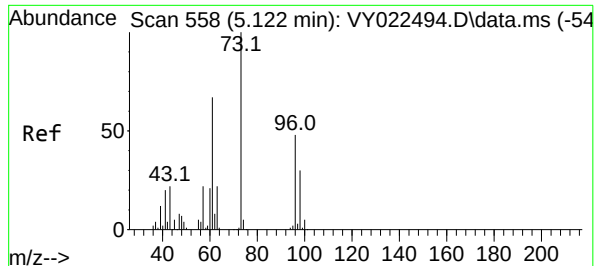
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

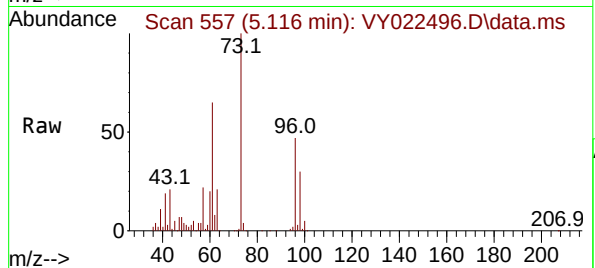
Tgt Ion: 84 Resp: 371818
Ion Ratio Lower Upper
84 100
49 127.3 101.9 152.9
51 39.4 29.8 44.8
86 62.1 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 154.808 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

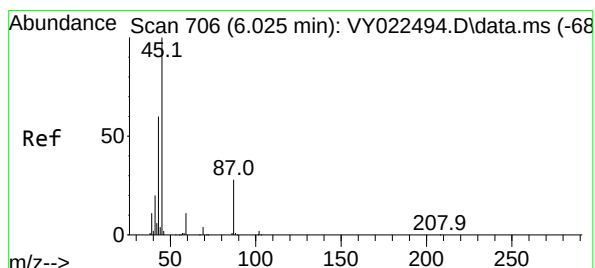
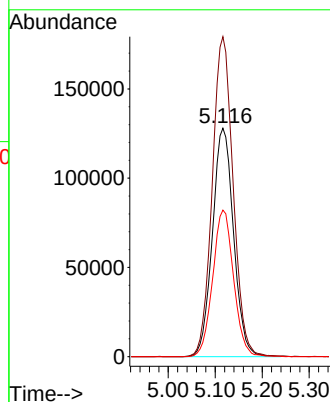
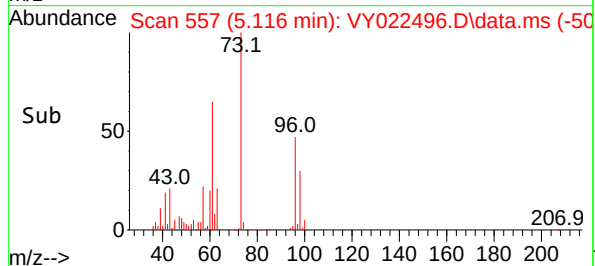
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

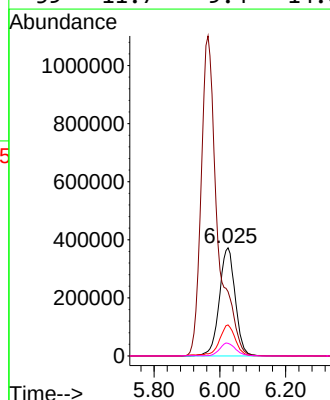
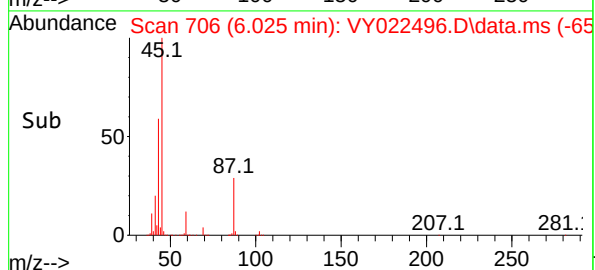
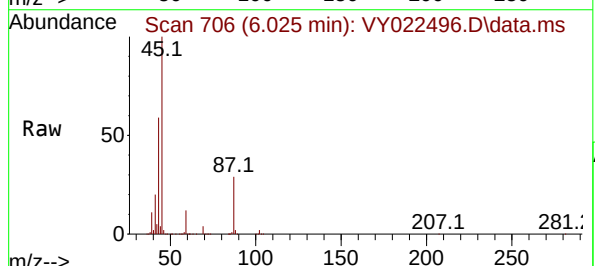
Manual Integrations
APPROVED

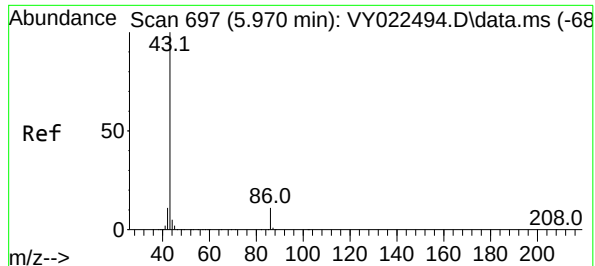
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

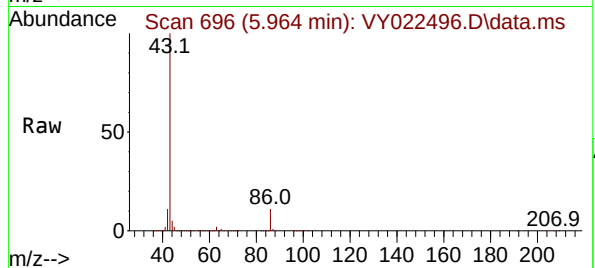
Tgt Ion: 45 Resp: 1244804
Ion Ratio Lower Upper
45 100
43 59.5 48.3 72.5
87 28.6 23.0 34.6
59 11.7 9.4 14.0





#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

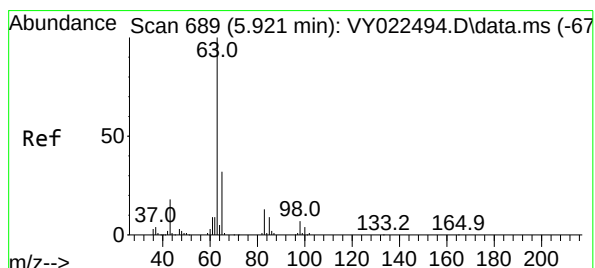
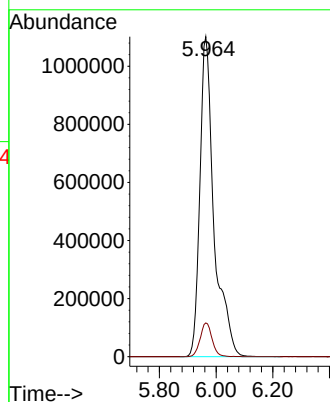
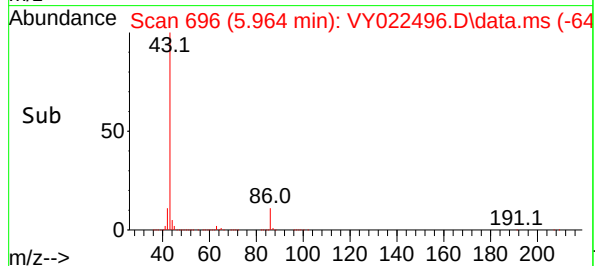
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 3806024
Ion Ratio Lower Upper
43 100
86 10.6 8.6 12.8

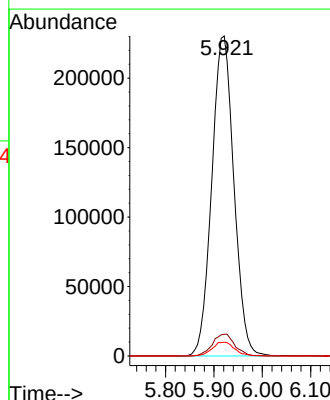
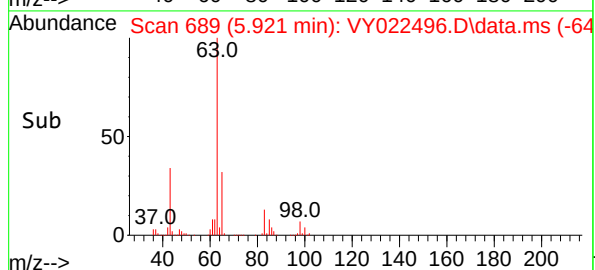
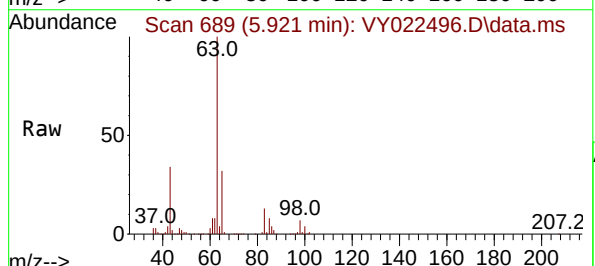
Manual Integrations
APPROVED

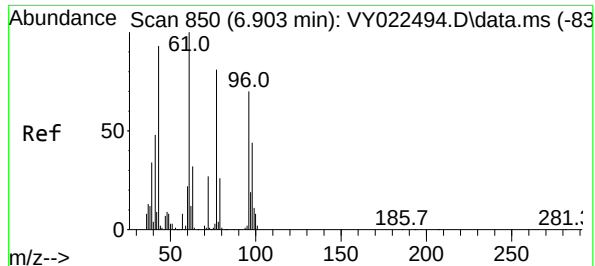
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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 :

VSTDICC150

Tgt Ion: 43 Resp: 530692

Ion Ratio Lower Upper

43 100

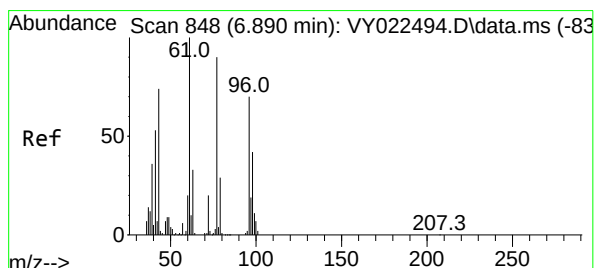
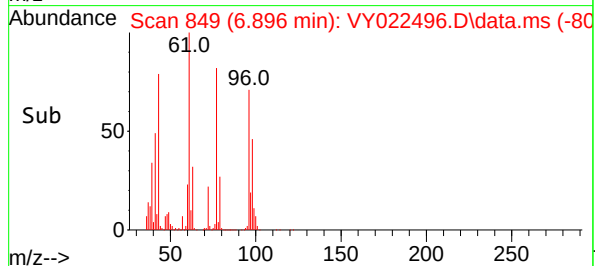
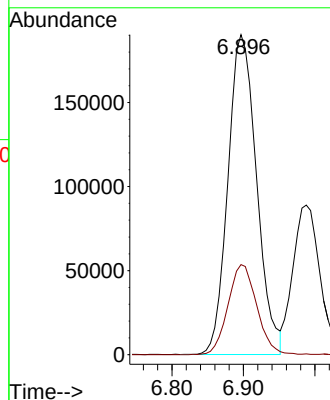
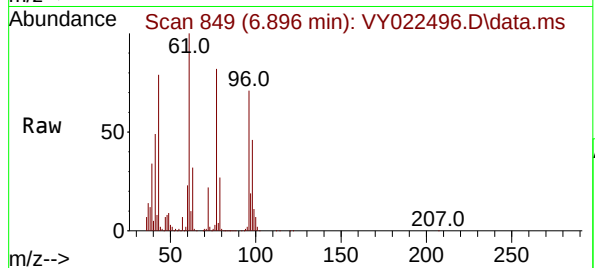
72 28.2 22.9 34.3

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

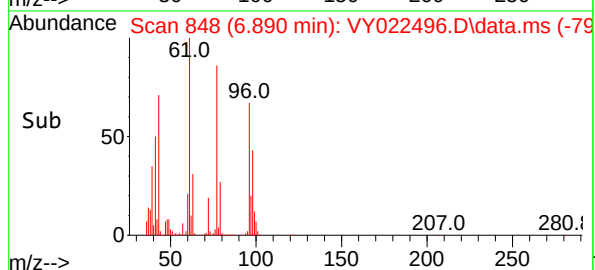
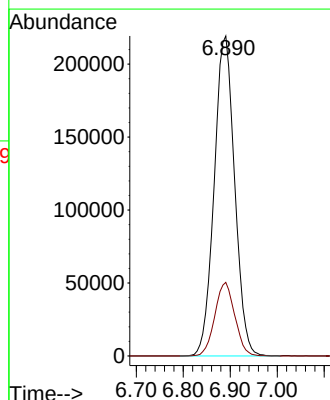
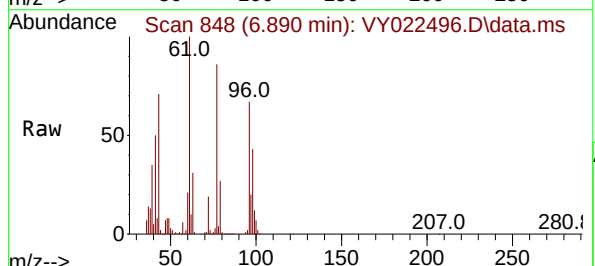
Acq: 02 Jun 2025 13:39

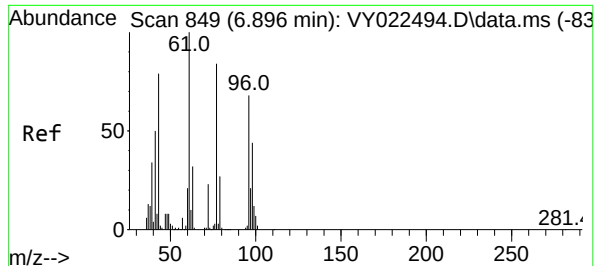
Tgt Ion: 77 Resp: 664024

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 :

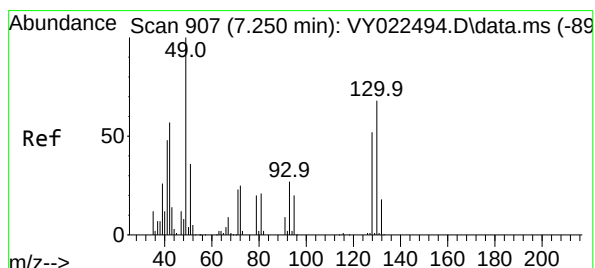
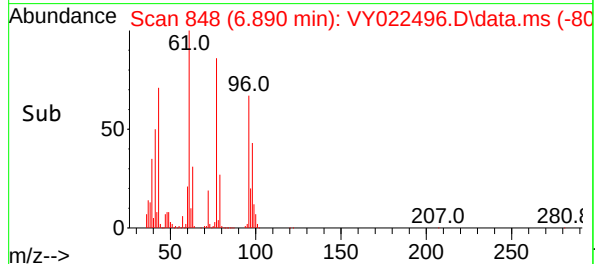
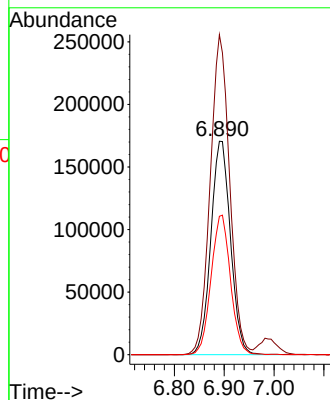
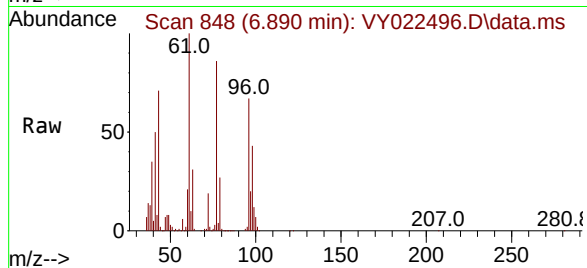
VSTDICC150

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

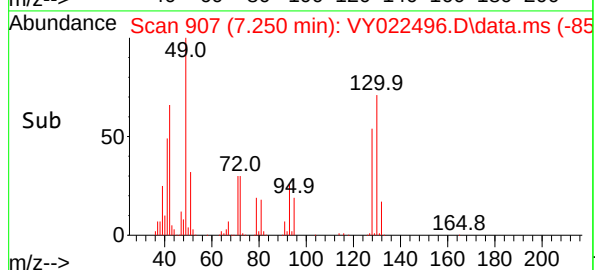
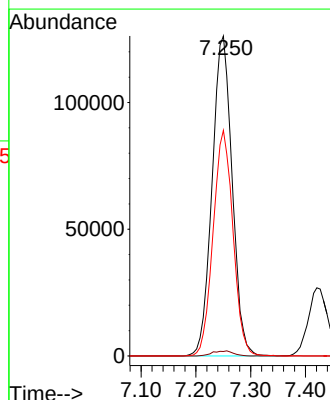
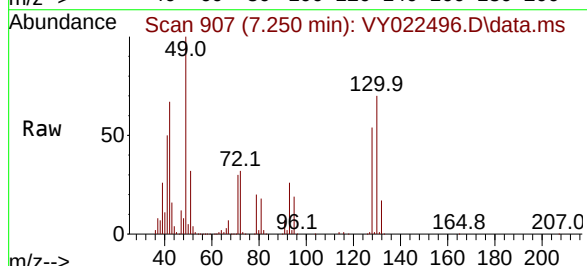
RT: 7.250 min Scan# 907

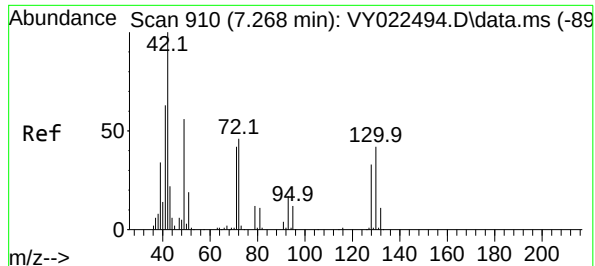
Delta R.T. -0.000 min

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

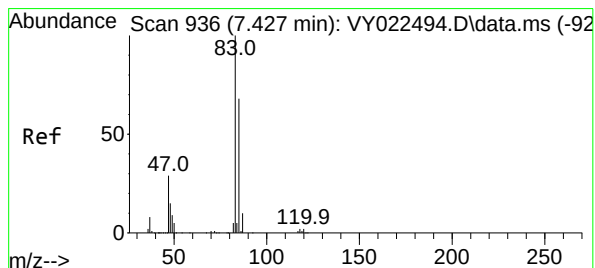
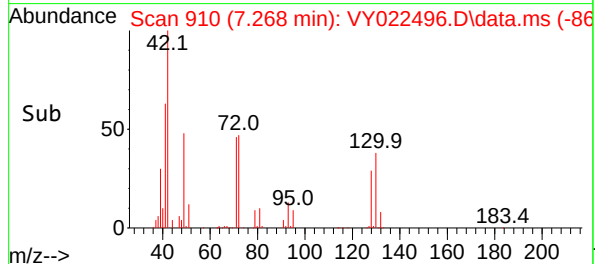
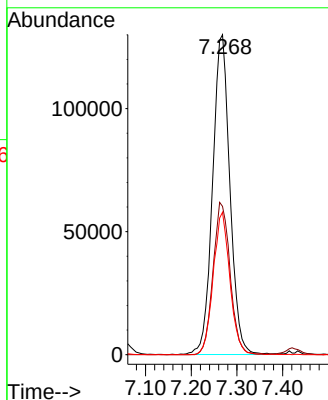
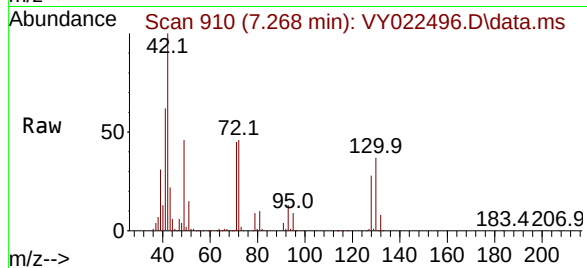
71 42.9 34.2 51.2

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

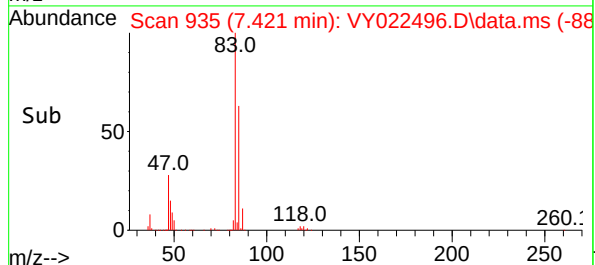
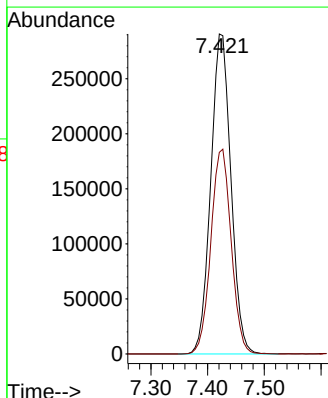
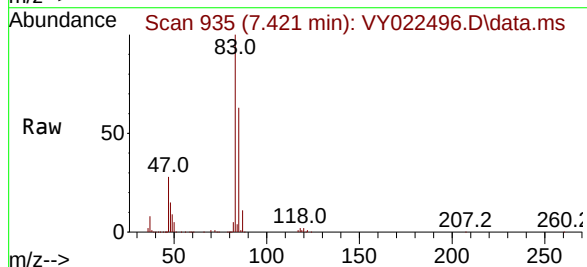
Acq: 02 Jun 2025 13:39

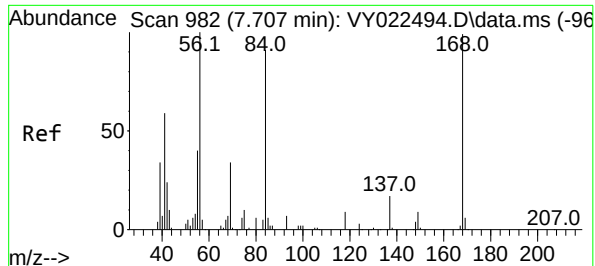
Tgt Ion: 83 Resp: 717477

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

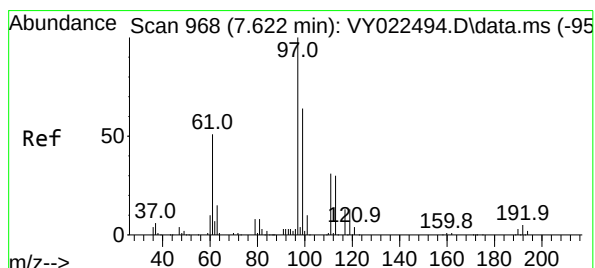
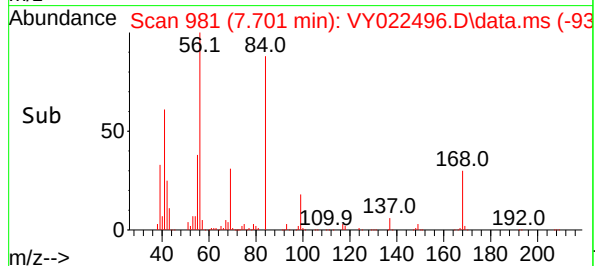
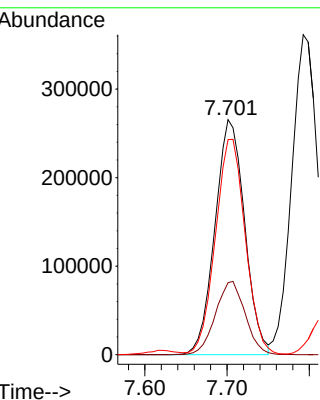
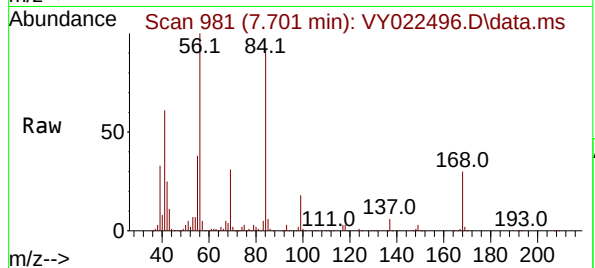
84 89.9 72.6 109.0

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

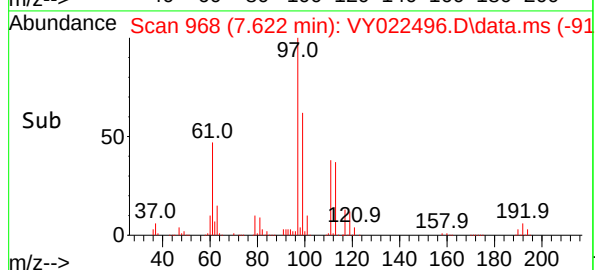
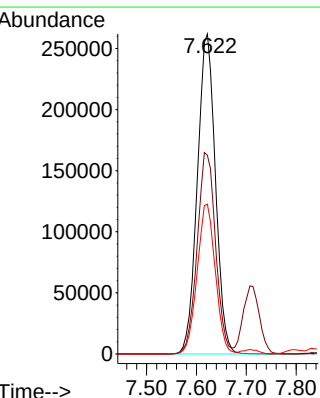
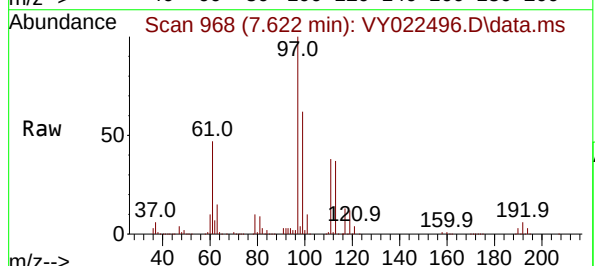
Tgt Ion: 97 Resp: 660456

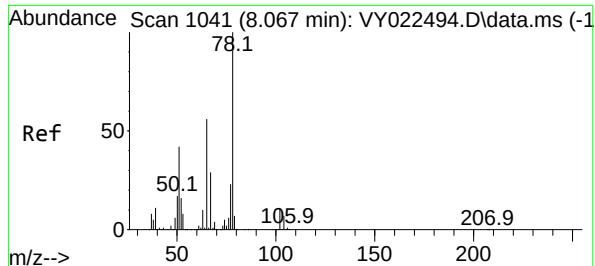
Ion Ratio Lower Upper

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

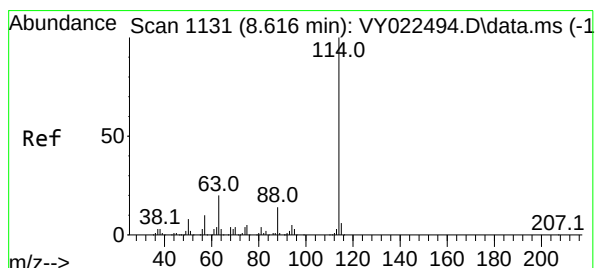
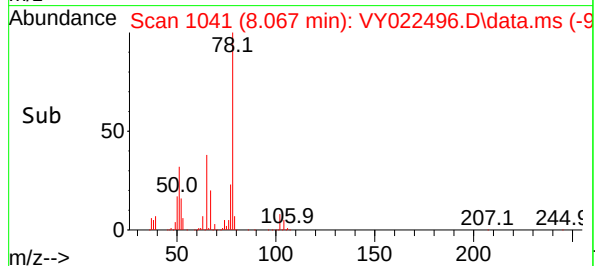
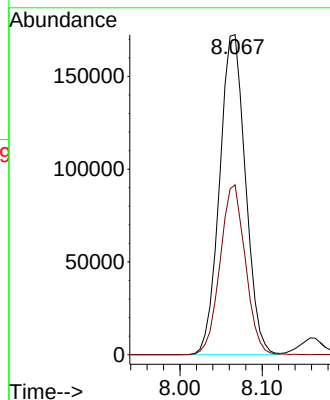
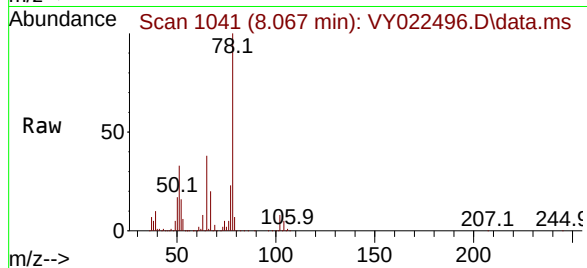
67 51.9 0.0 103.4

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

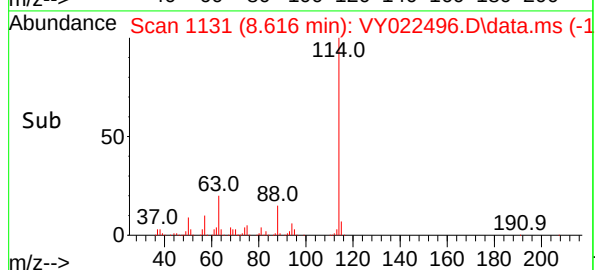
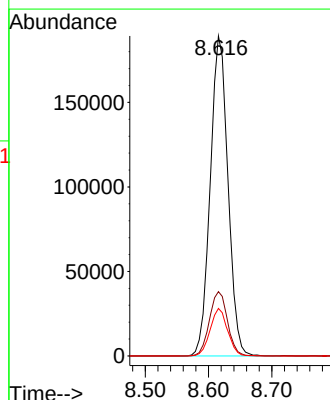
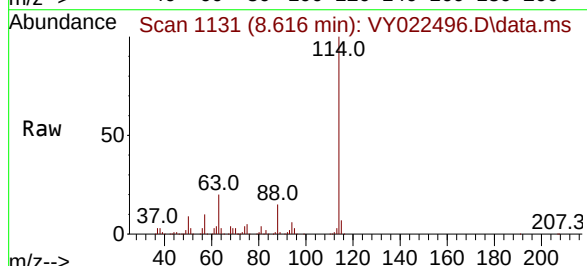
Tgt Ion:114 Resp: 367991

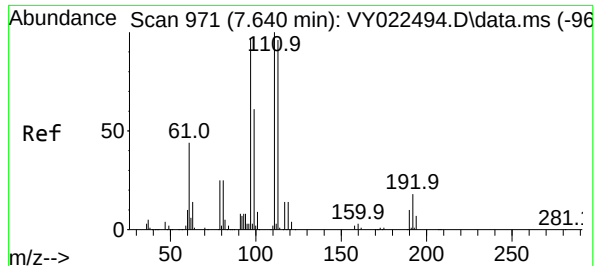
Ion Ratio Lower Upper

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

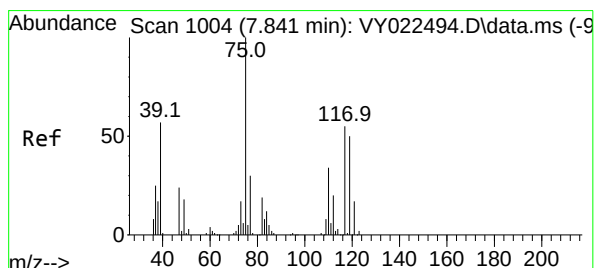
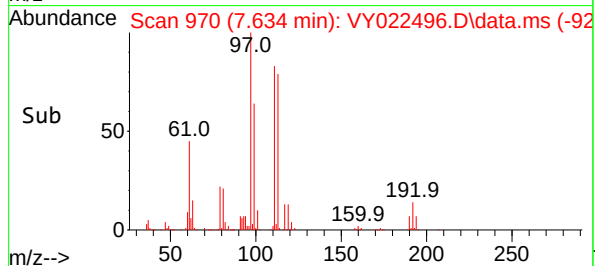
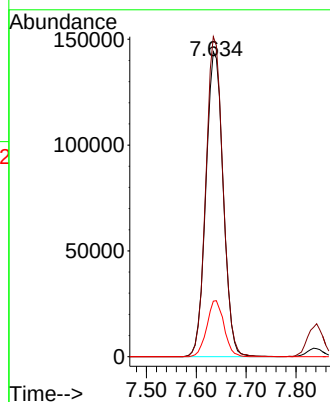
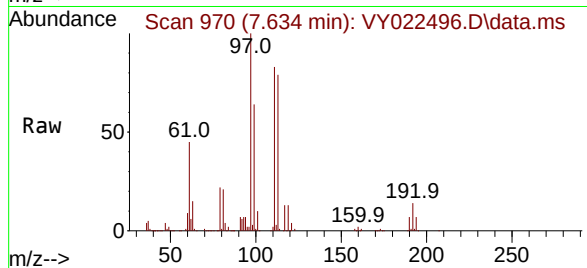
192 18.2 14.2 21.2

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

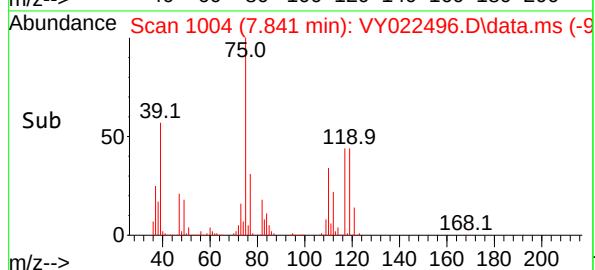
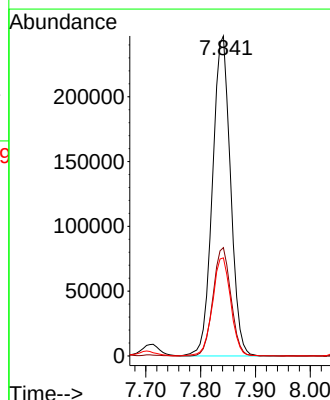
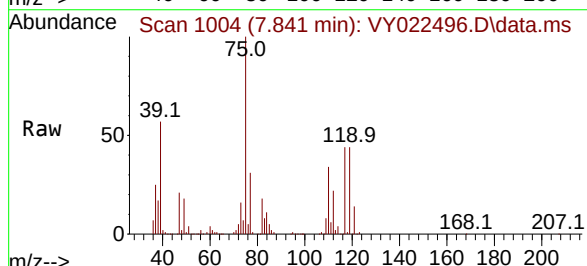
Tgt Ion: 75 Resp: 562935

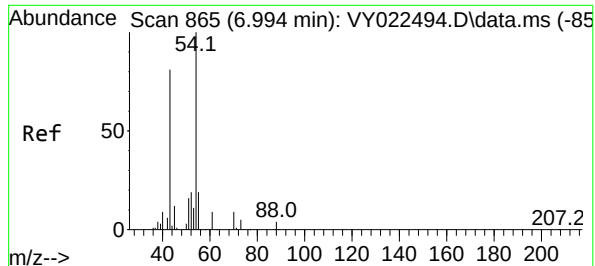
Ion Ratio Lower Upper

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

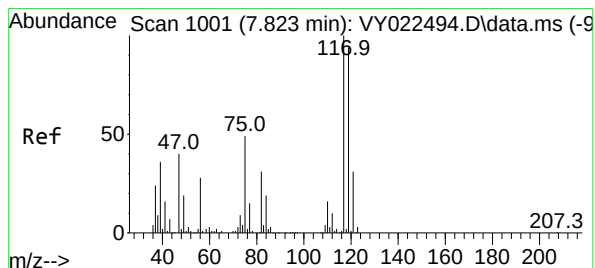
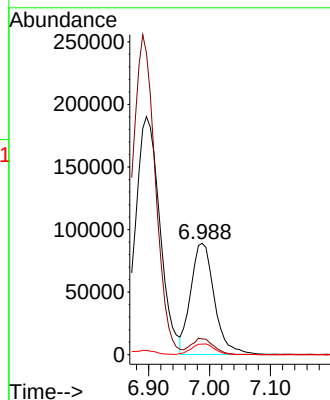
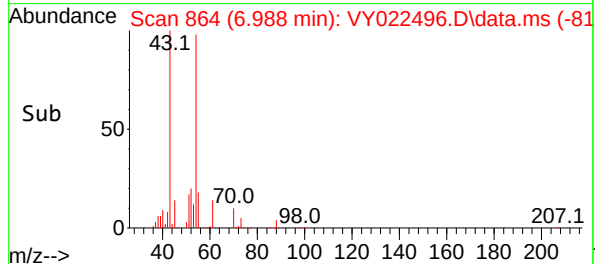
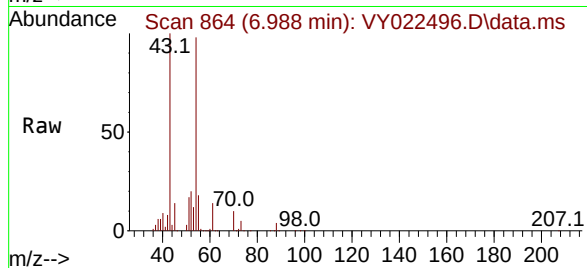
70 9.4 7.2 10.8

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

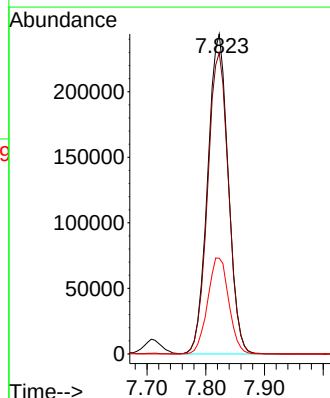
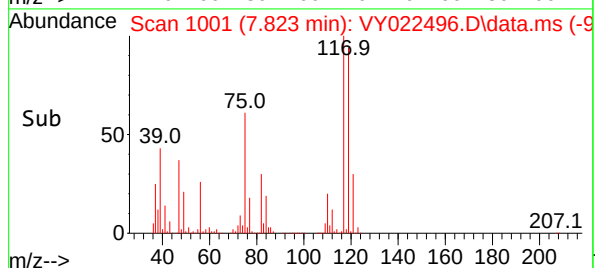
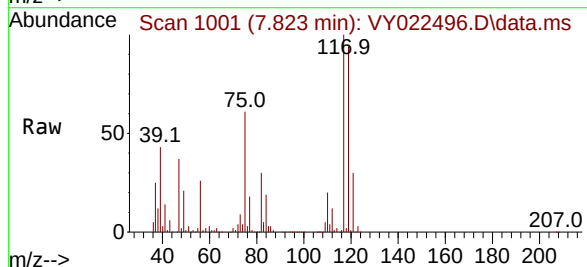
Tgt Ion:117 Resp: 593167

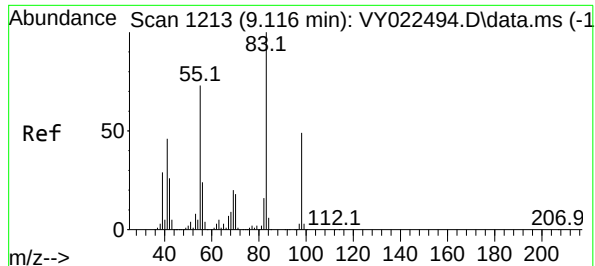
Ion Ratio Lower Upper

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# 11

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

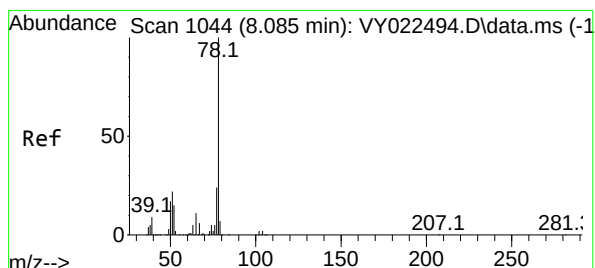
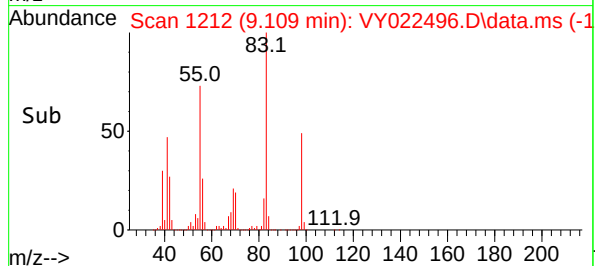
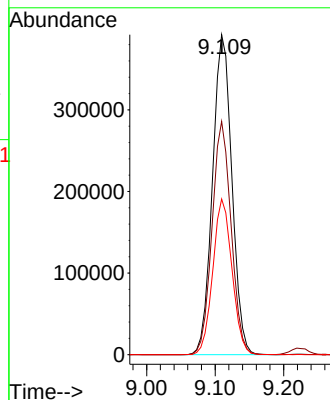
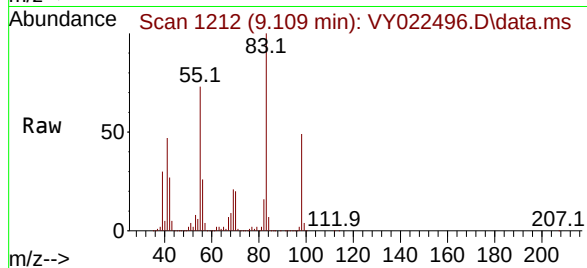
98 48.7 39.0 58.6

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

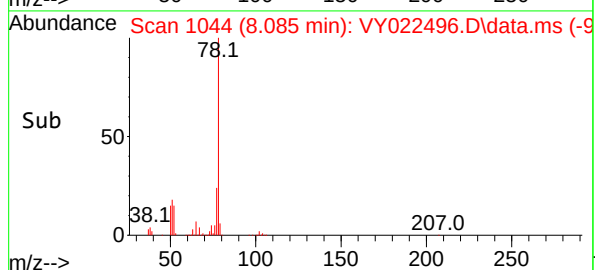
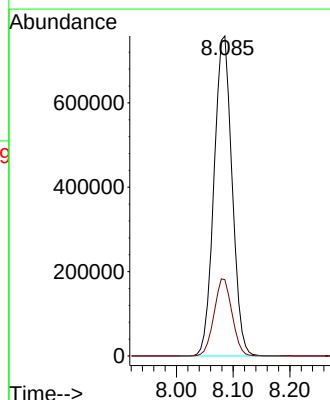
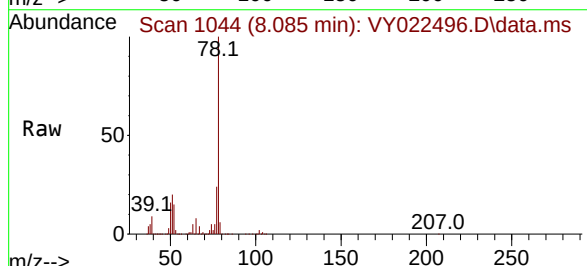
Acq: 02 Jun 2025 13:39

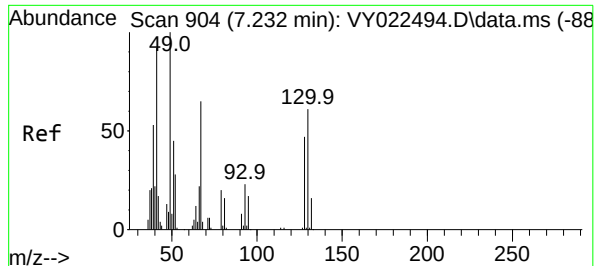
Tgt Ion: 78 Resp: 1675603

Ion Ratio Lower Upper

78 100

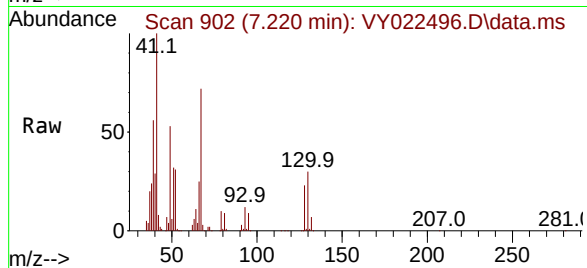
77 23.9 19.3 28.9





#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

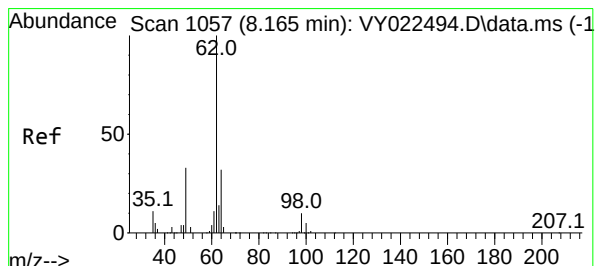
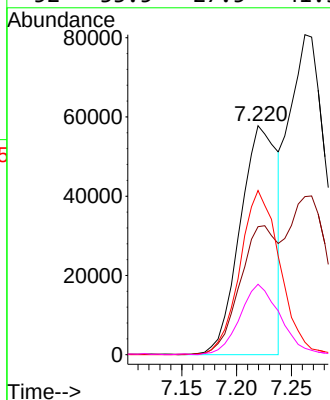
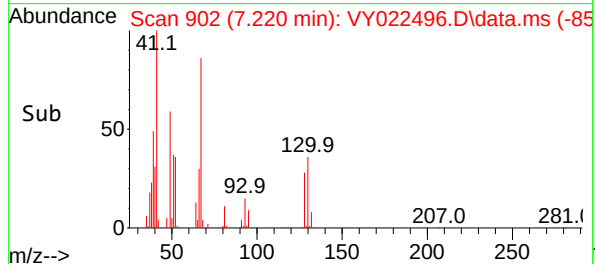
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



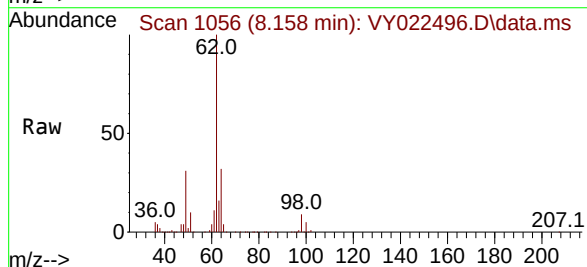
Tgt Ion: 41 Resp: 136495
Ion Ratio Lower Upper
41 100
39 56.5 46.6 69.8
67 77.5 63.3 94.9
52 33.5 27.5 41.3

Manual Integrations
APPROVED

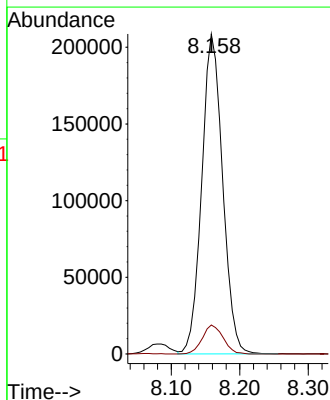
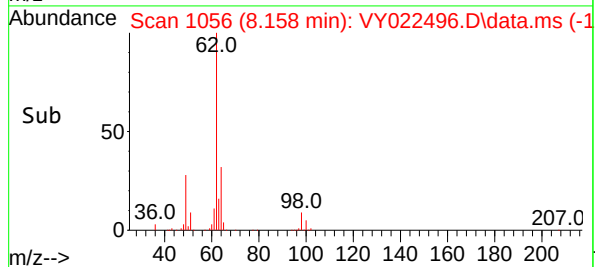
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

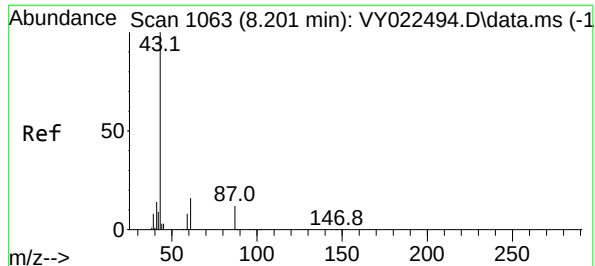


#42
1,2-Dichloroethane
Concen: 157.491 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39



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 :

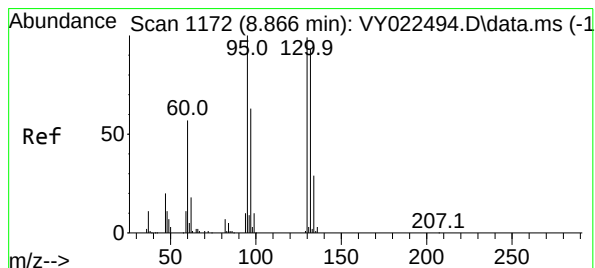
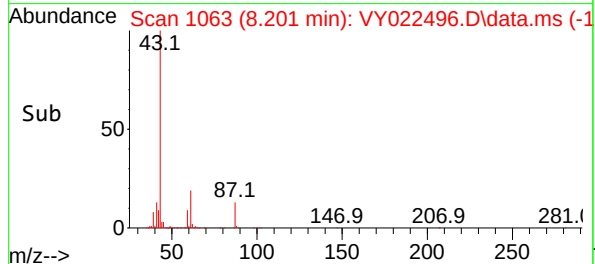
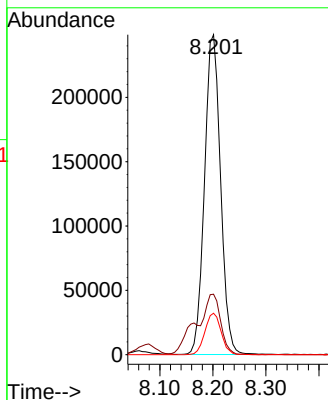
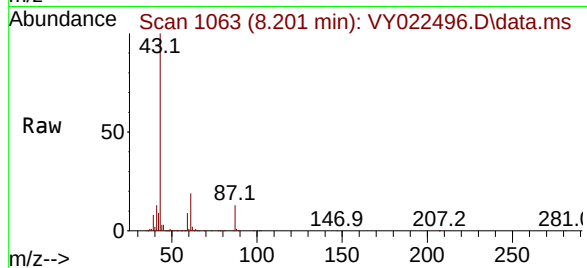
VSTDIC150

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

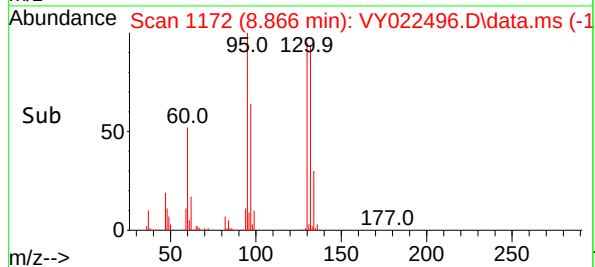
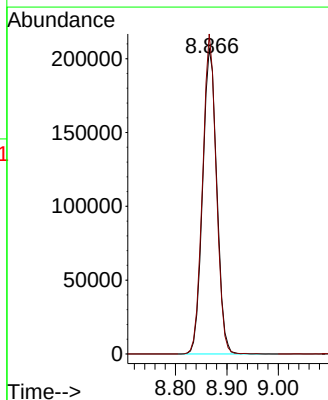
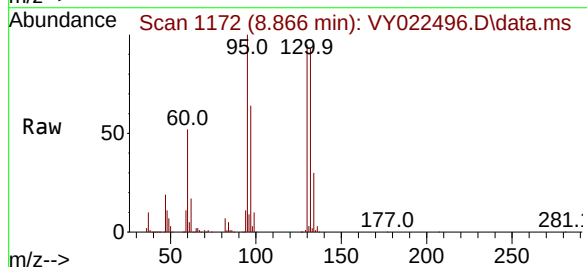
RT: 8.866 min Scan# 1172

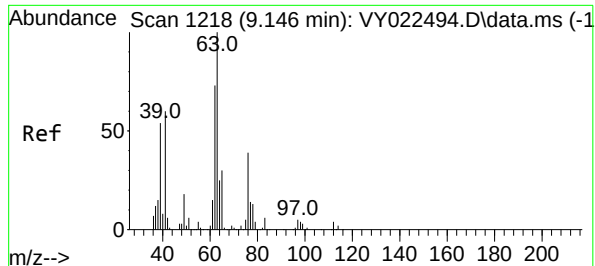
Delta R.T. -0.000 min

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

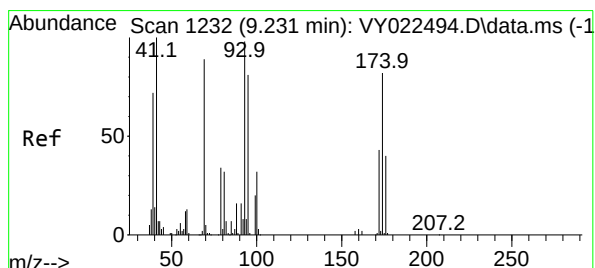
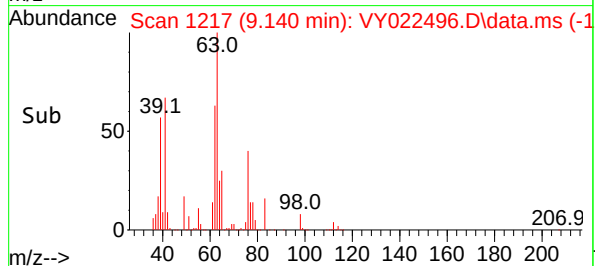
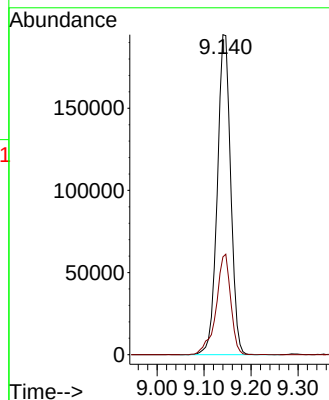
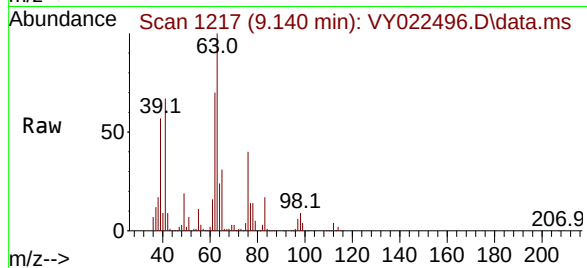
65 30.6 24.0 36.0

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

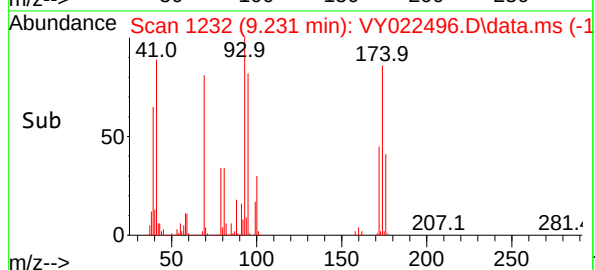
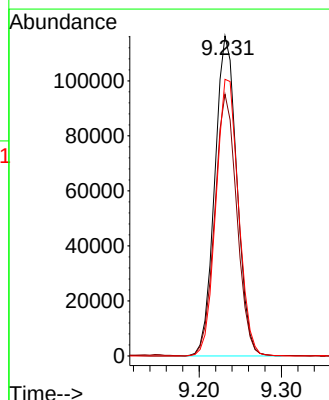
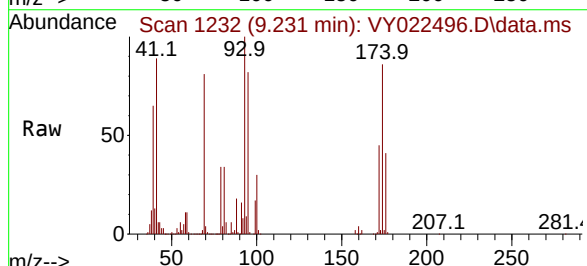
Tgt Ion: 93 Resp: 218014

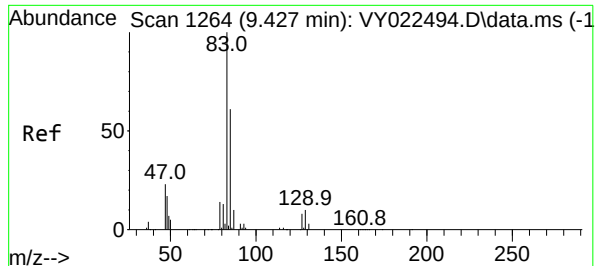
Ion Ratio Lower Upper

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 :

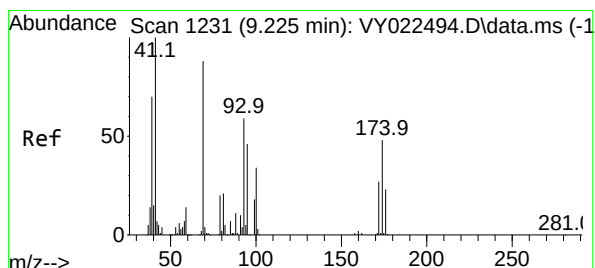
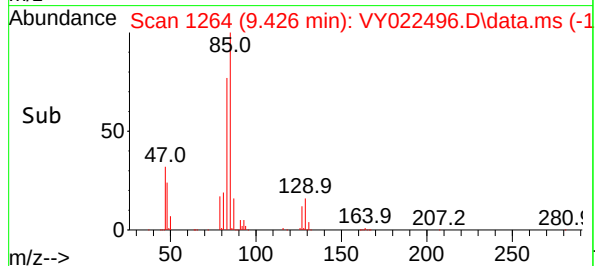
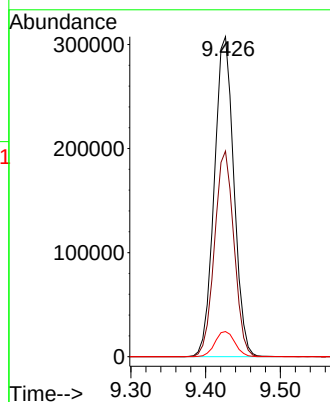
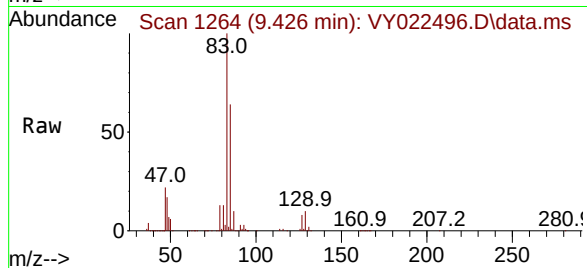
VSTDIC150

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

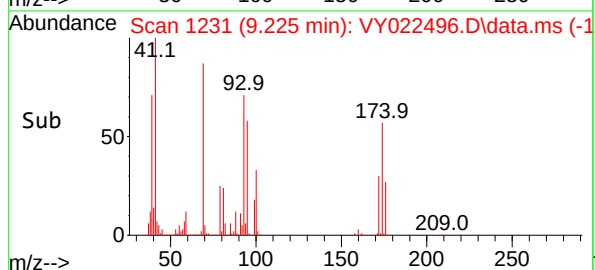
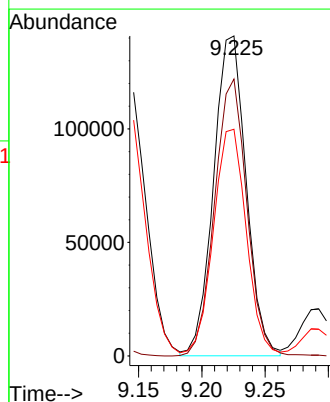
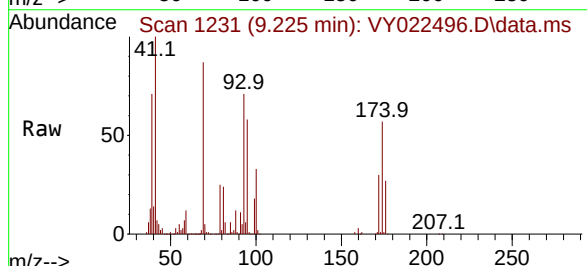
RT: 9.225 min Scan# 1231

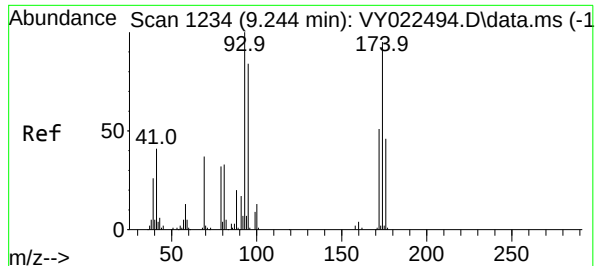
Delta R.T. -0.000 min

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 :

VSTDIC150

Tgt Ion: 88 Resp: 50874

Ion Ratio Lower Upper

88 100

43 33.3 25.4 38.2

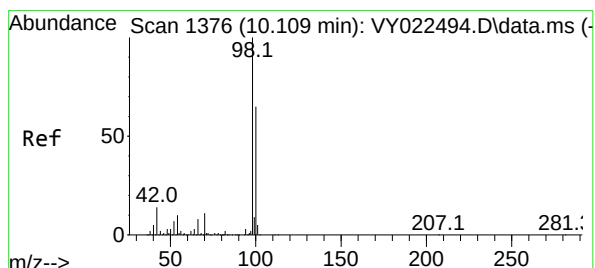
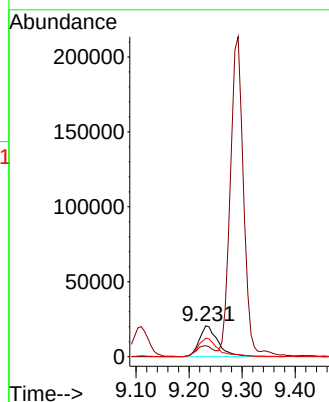
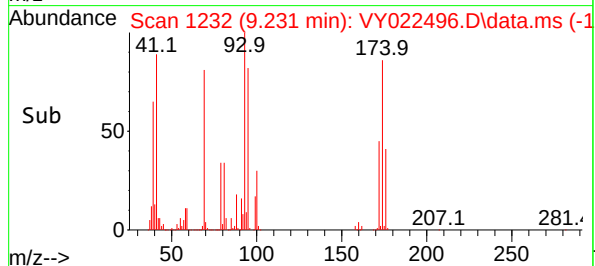
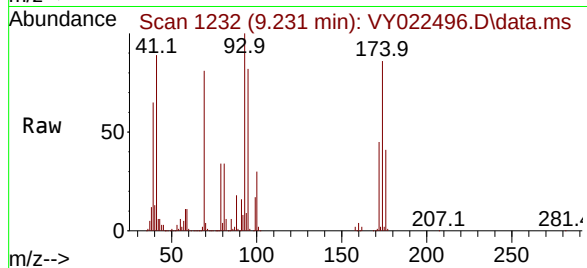
58 64.1 54.9 82.3

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

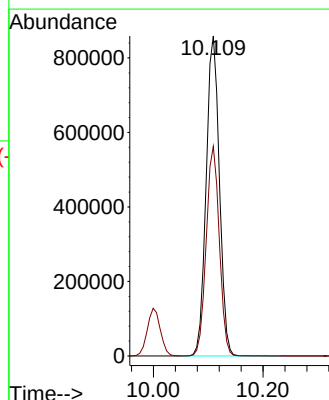
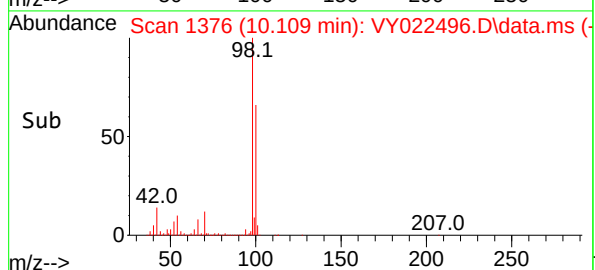
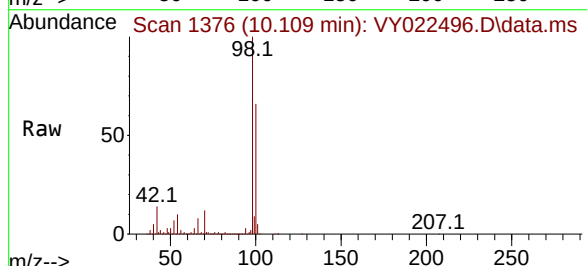
Acq: 02 Jun 2025 13:39

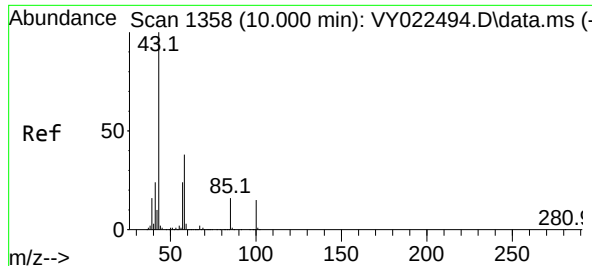
Tgt Ion: 98 Resp: 1432587

Ion Ratio Lower Upper

98 100

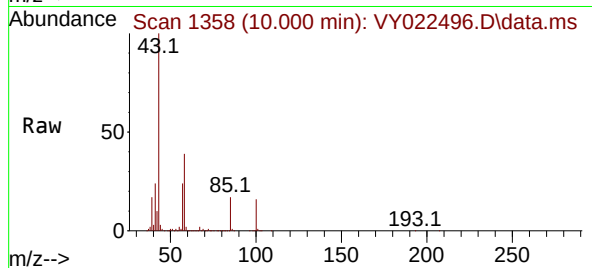
100 64.8 51.4 77.0





#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

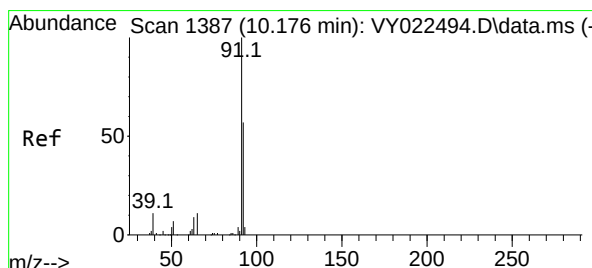
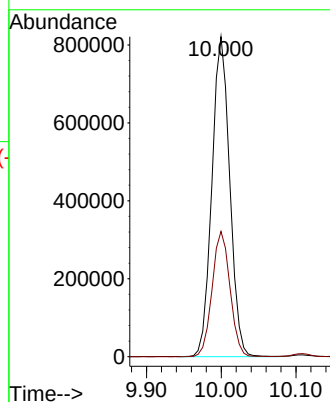
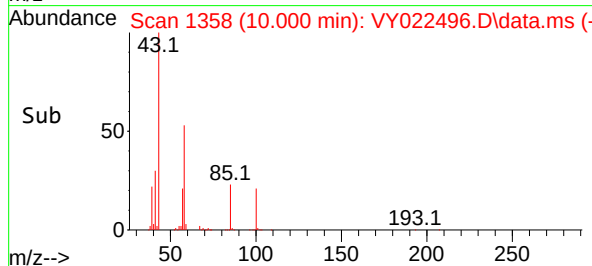
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 1358512
Ion Ratio Lower Upper
43 100
58 39.3 30.4 45.6

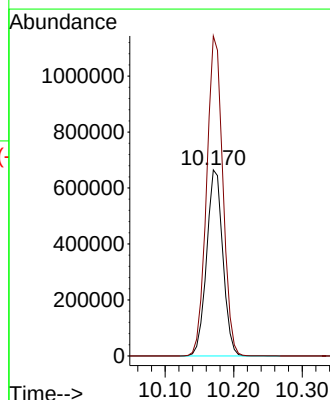
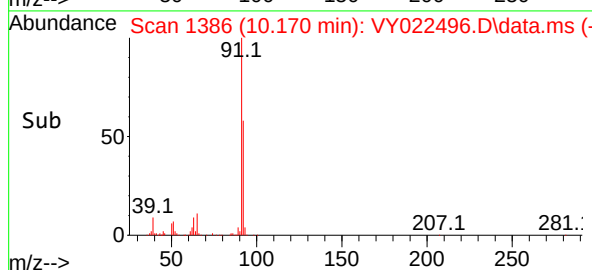
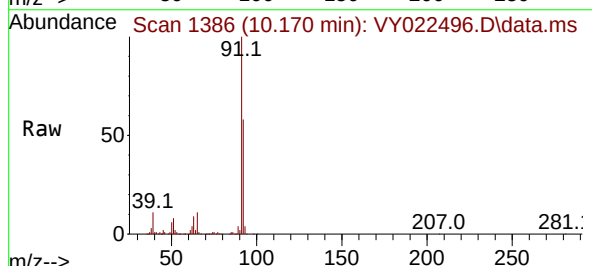
Manual Integrations
APPROVED

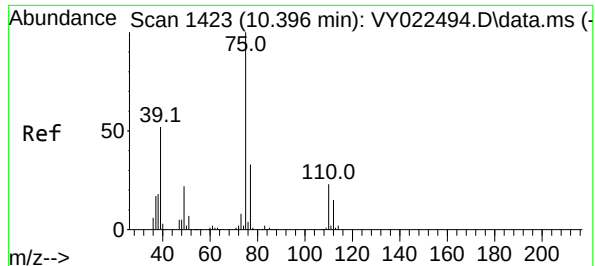
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

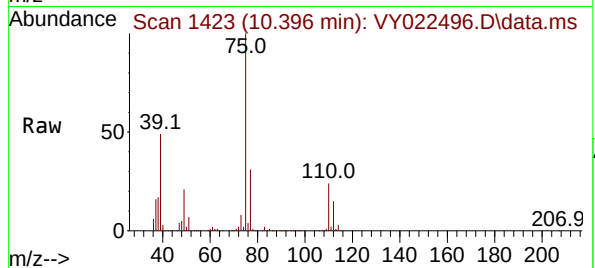
Tgt Ion: 92 Resp: 1093200
Ion Ratio Lower Upper
92 100
91 172.1 139.0 208.4





#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

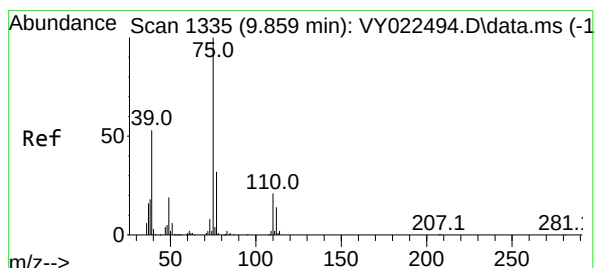
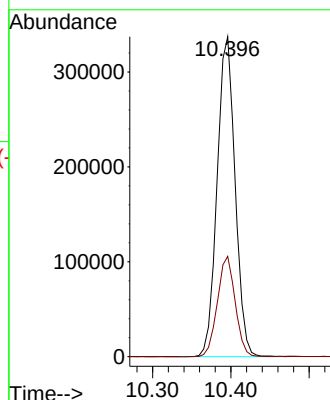
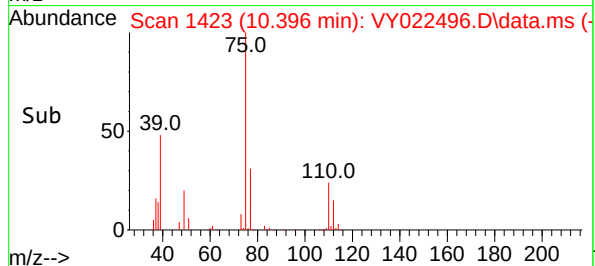
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 53792
Ion Ratio Lower Upper
75 100
77 31.3 26.5 39.7

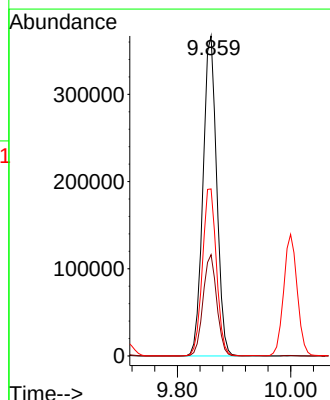
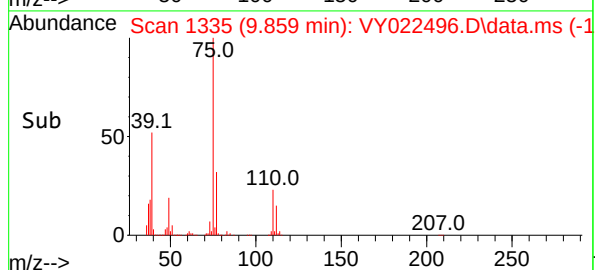
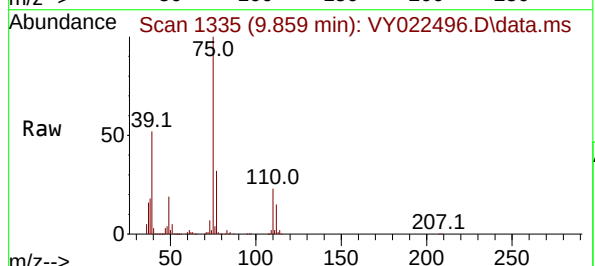
Manual Integrations
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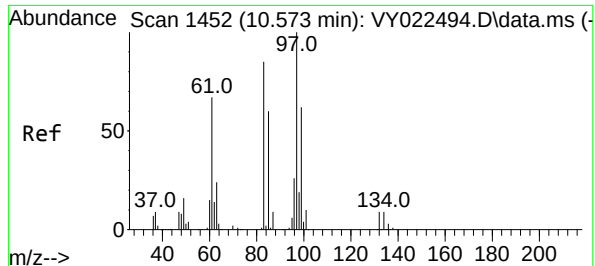
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

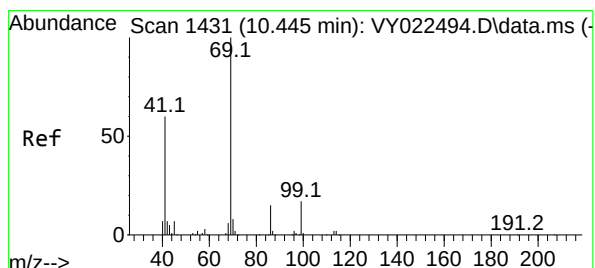
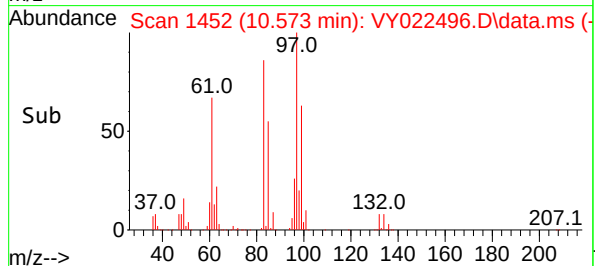
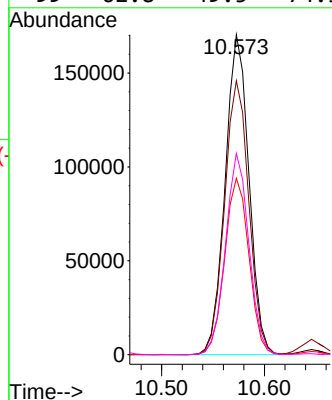
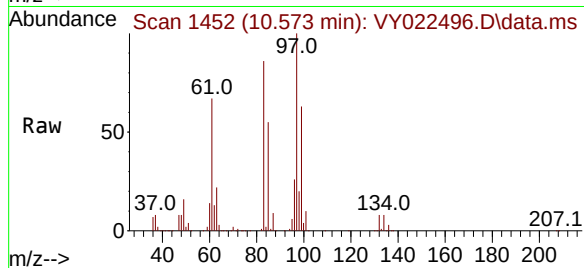
99 62.8 49.5 74.3

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

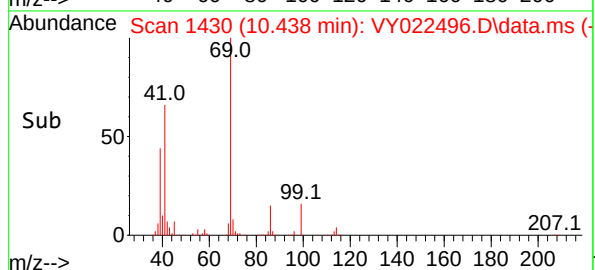
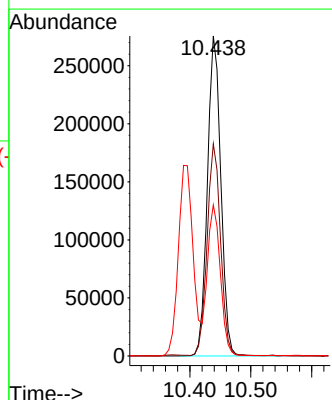
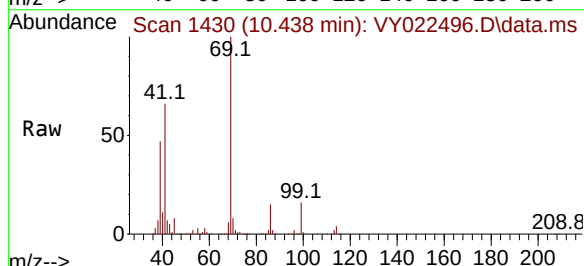
Tgt Ion: 69 Resp: 423233

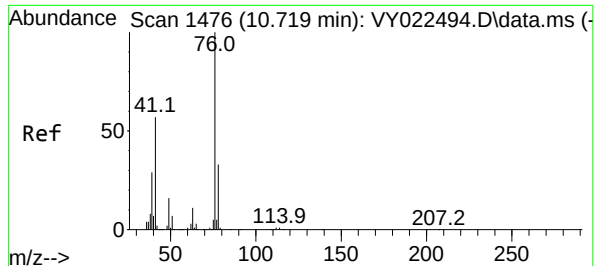
Ion Ratio Lower Upper

69 100

41 66.0 52.2 78.2

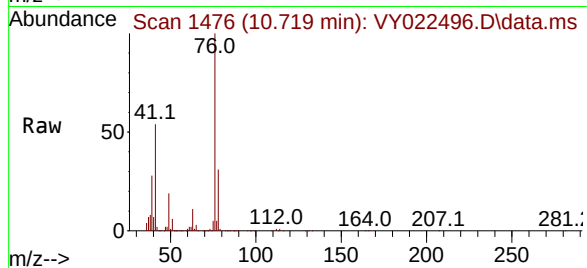
39 44.7 36.7 55.1





#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

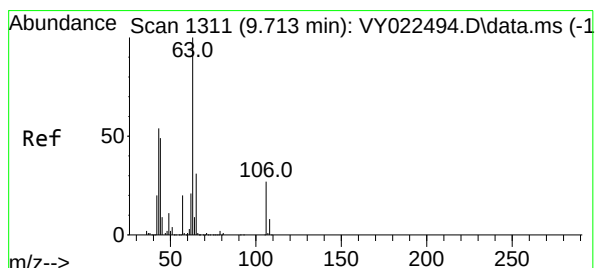
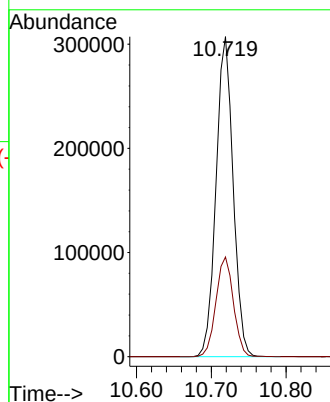
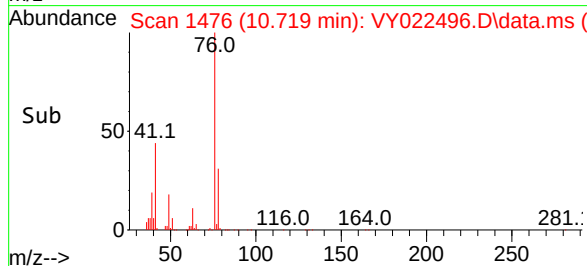
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 76 Resp: 488570
Ion Ratio Lower Upper
76 100
78 31.9 25.8 38.8

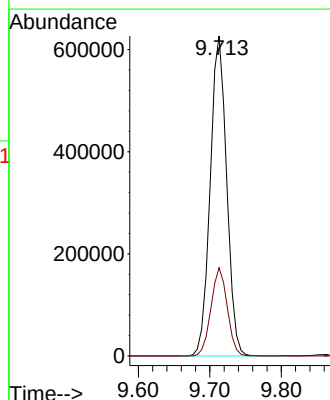
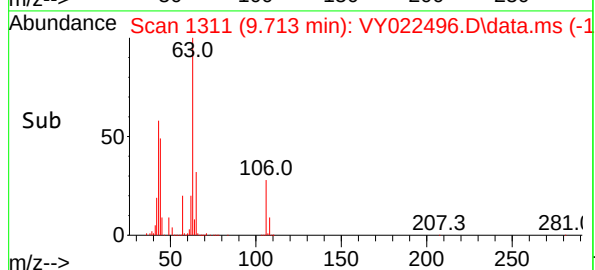
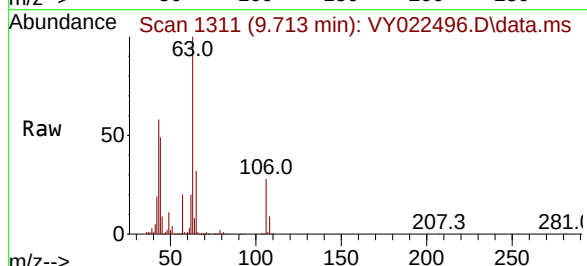
Manual Integrations
APPROVED

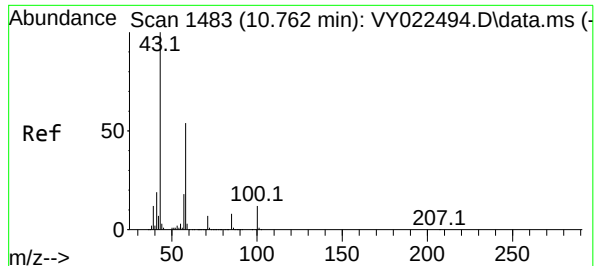
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

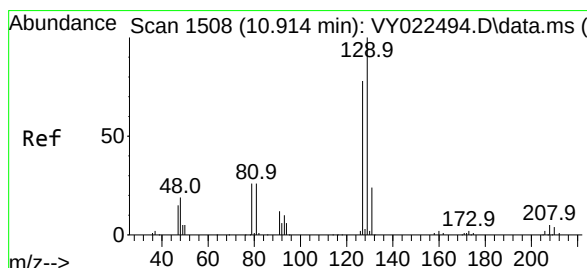
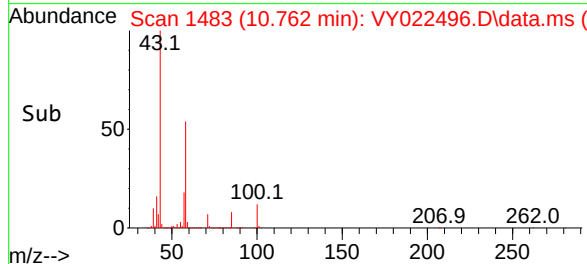
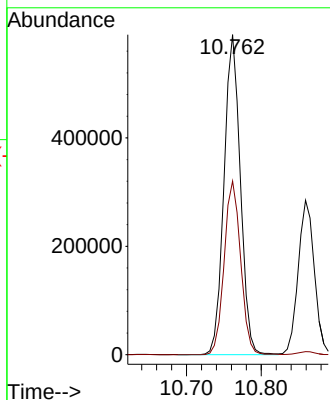
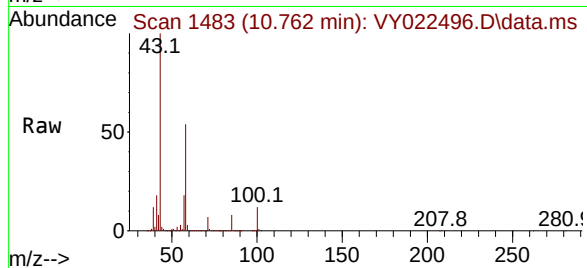
58 54.6 27.3 81.8

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

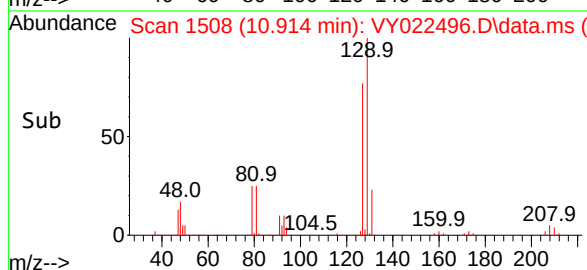
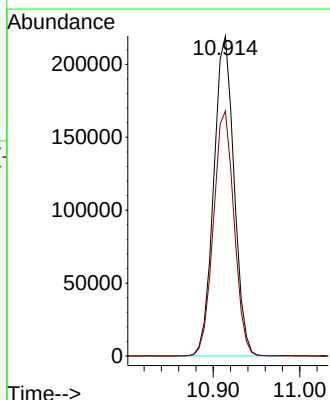
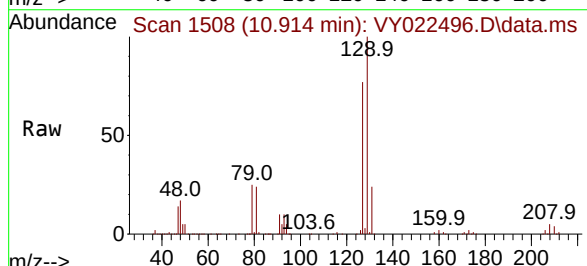
Acq: 02 Jun 2025 13:39

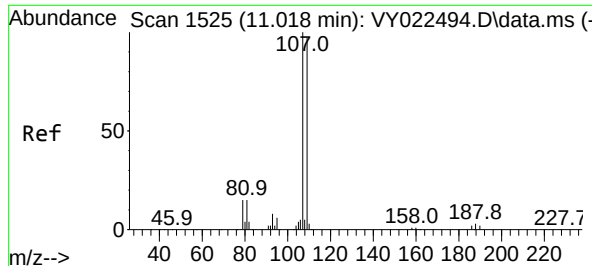
Tgt Ion:129 Resp: 356873

Ion Ratio Lower Upper

129 100

127 77.8 39.1 117.2





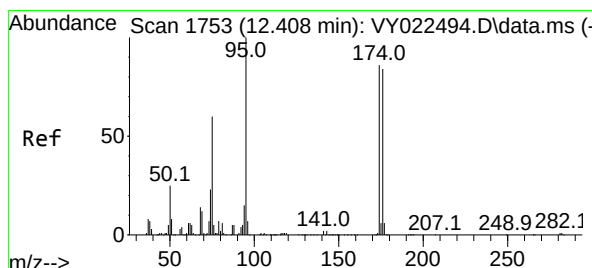
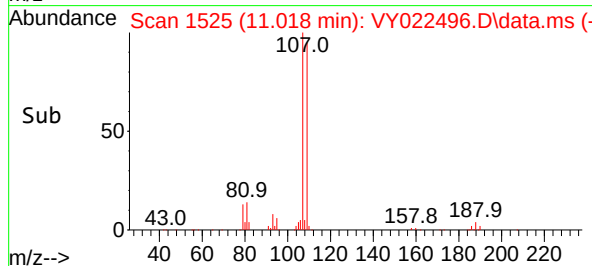
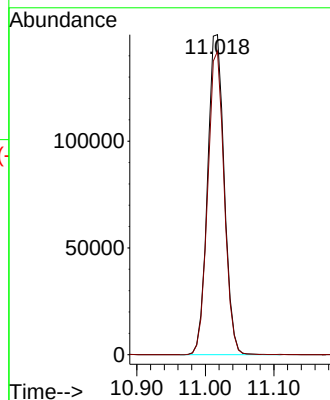
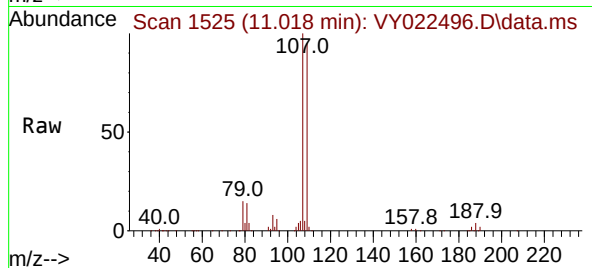
#61
1,2-Dibromoethane
Concen: 158.625 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:107 Resp: 254128
Ion Ratio Lower Upper
107 100
109 93.4 77.7 116.5

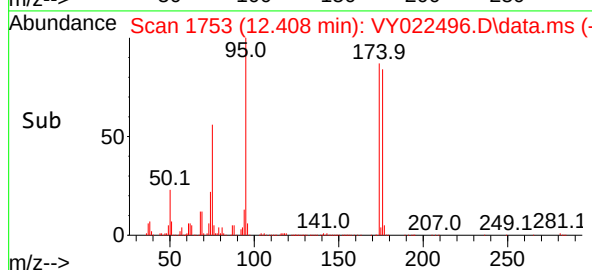
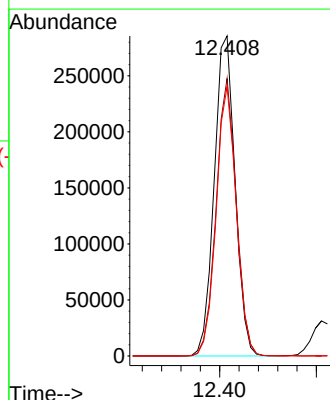
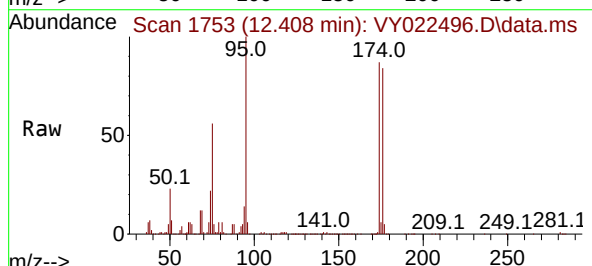
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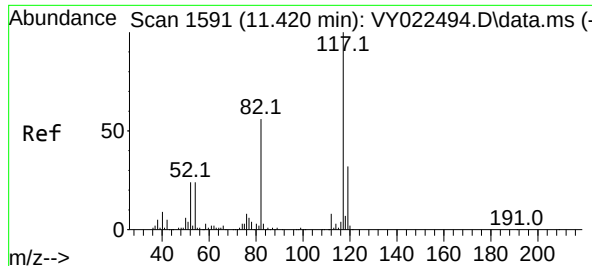
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





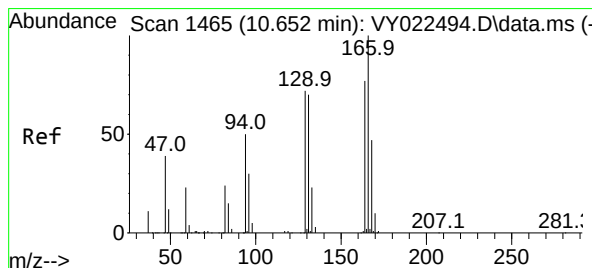
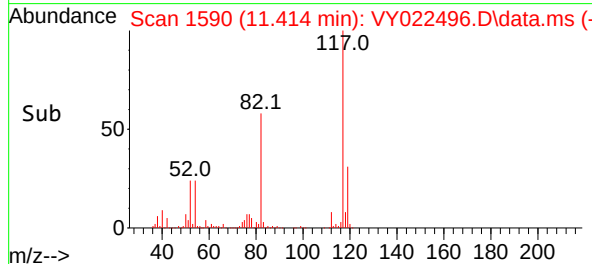
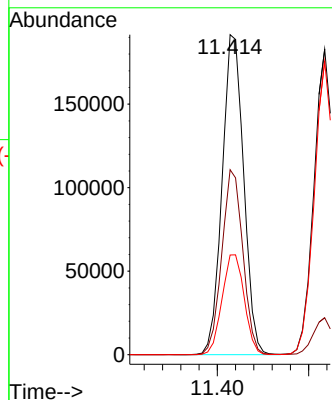
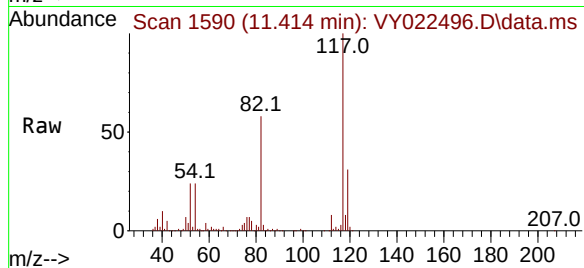
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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

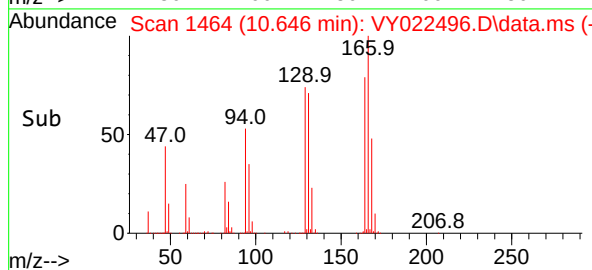
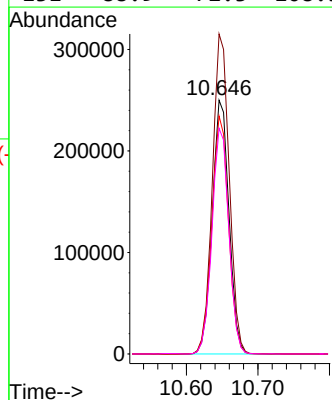
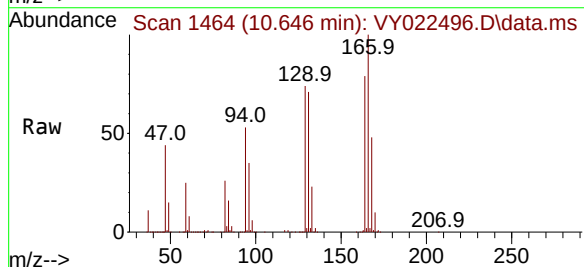
Manual Integrations
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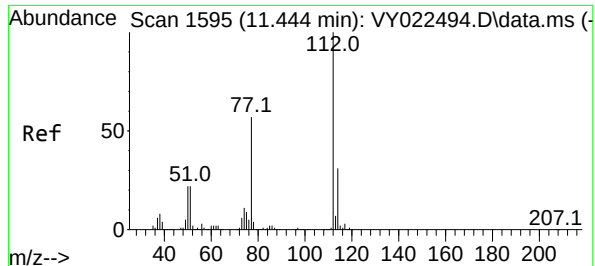
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

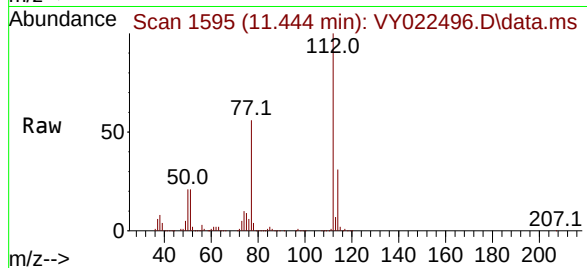
Tgt Ion:164 Resp: 406758
Ion Ratio Lower Upper
164 100
166 126.1 104.0 156.0
129 93.8 74.5 111.7
131 88.9 72.3 108.5





#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

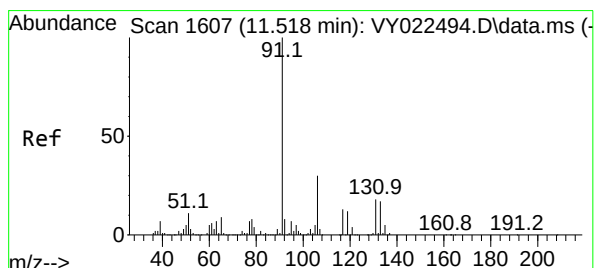
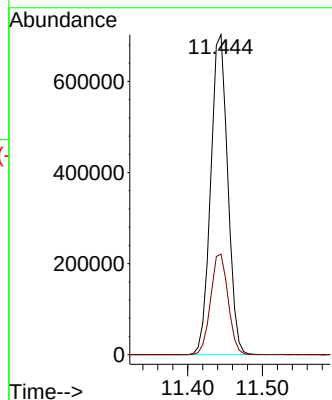
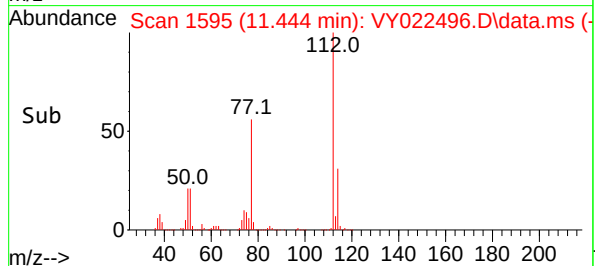
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:112 Resp: 111334
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.6

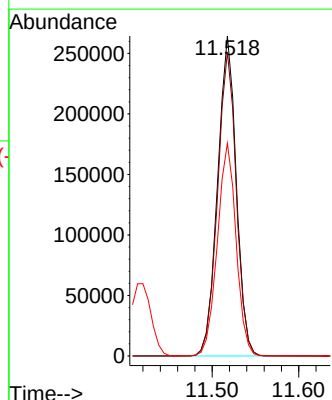
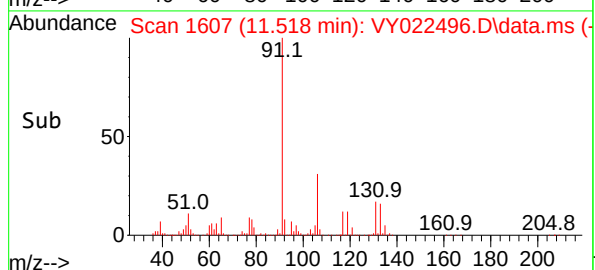
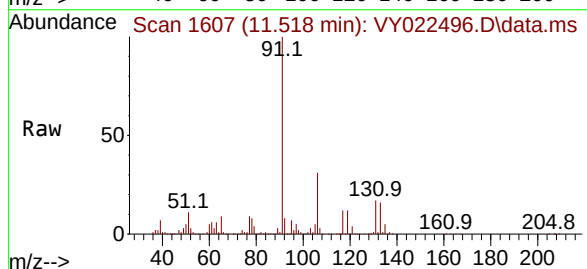
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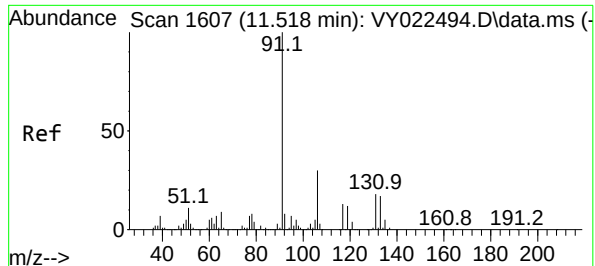
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



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

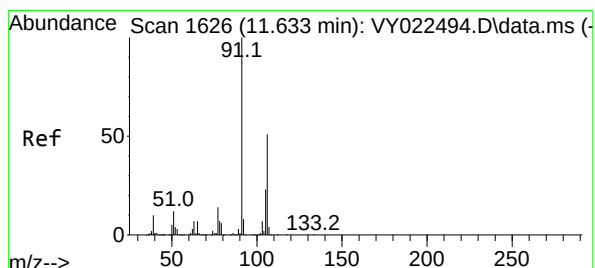
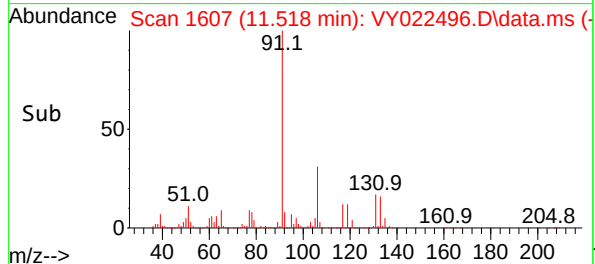
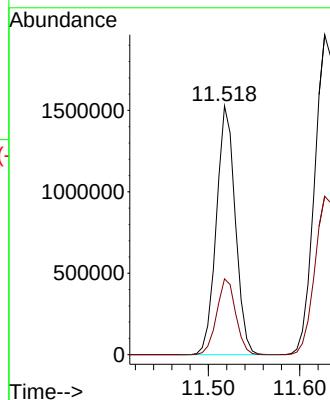
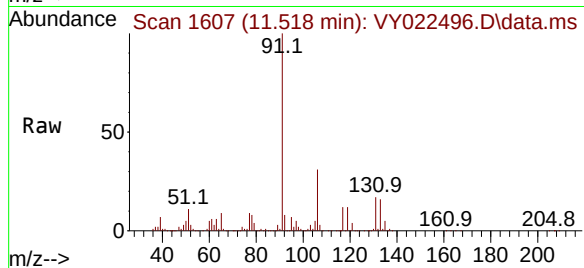
106 30.5 24.2 36.4

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

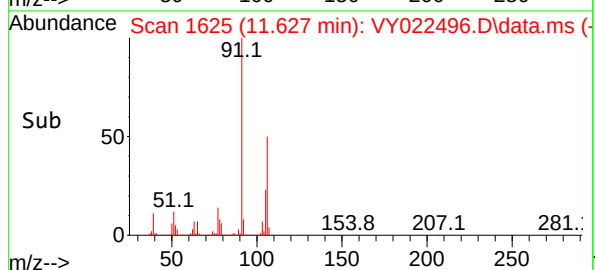
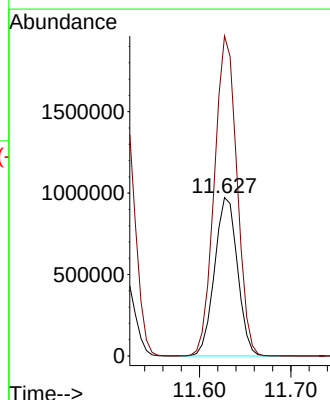
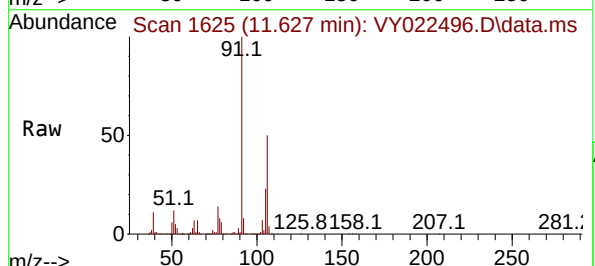
Acq: 02 Jun 2025 13:39

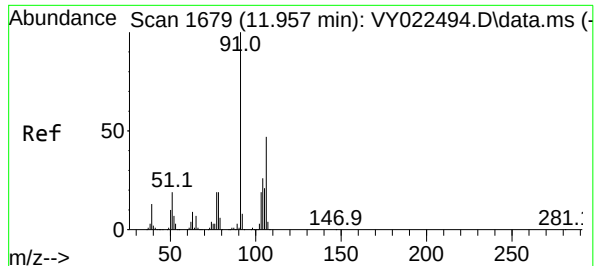
Tgt Ion:106 Resp: 1694177

Ion Ratio Lower Upper

106 100

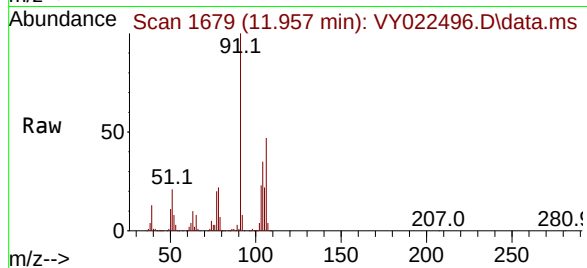
91 199.2 159.4 239.0





#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

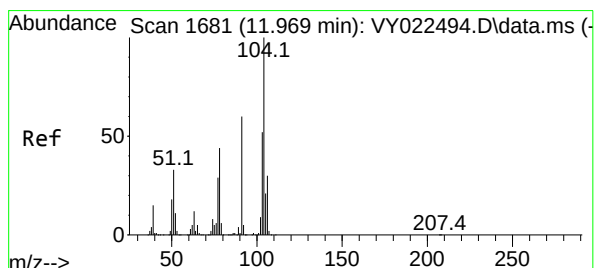
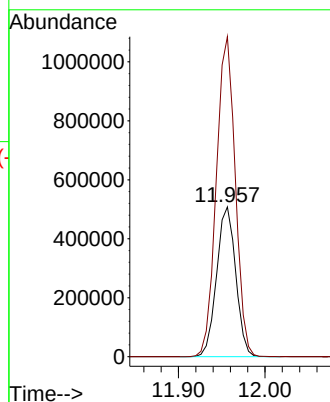
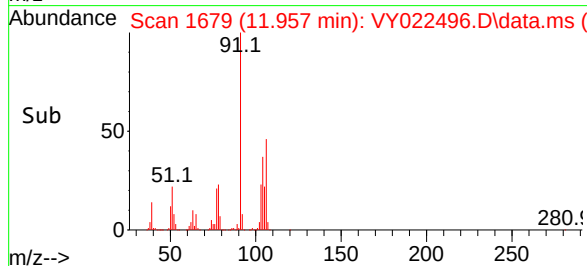
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:106 Resp: 777688
Ion Ratio Lower Upper
106 100
91 212.3 105.8 317.3

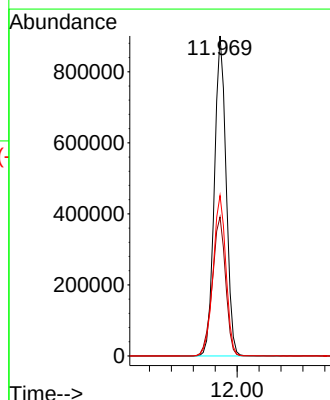
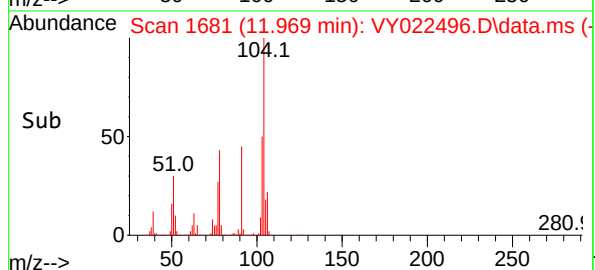
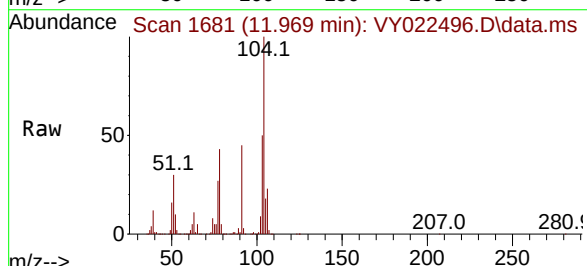
Manual Integrations
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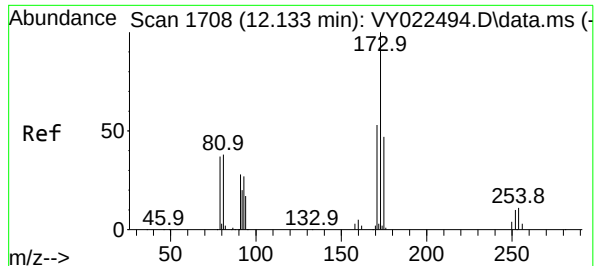
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

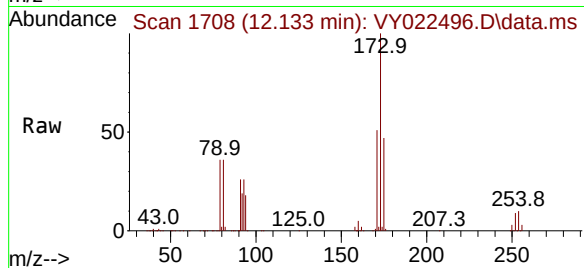
Tgt Ion:104 Resp: 1334986
Ion Ratio Lower Upper
104 100
78 48.8 39.5 59.3
103 54.6 44.1 66.1





#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

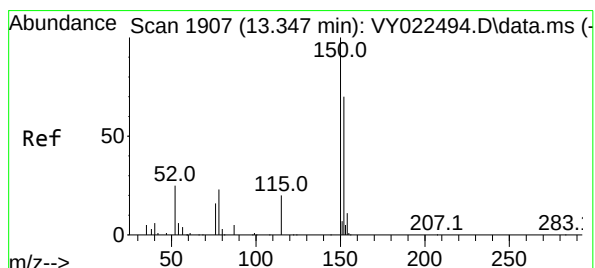
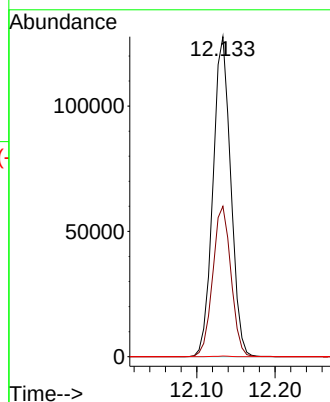
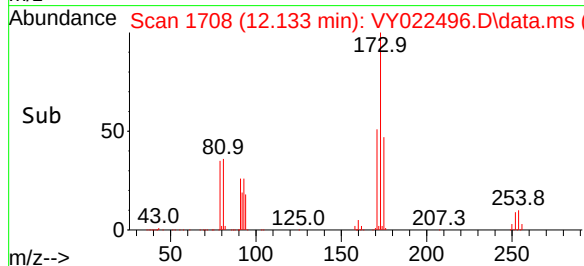
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



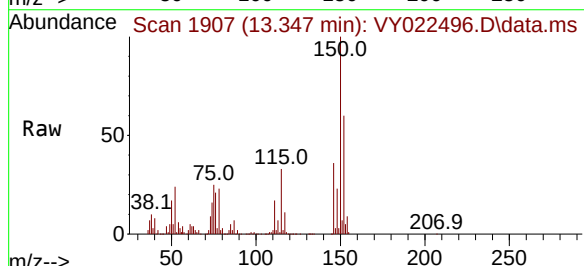
Tgt Ion:173 Resp: 201469
Ion Ratio Lower Upper
173 100
175 48.2 23.8 71.5
254 0.2 0.0 0.0

Manual Integrations
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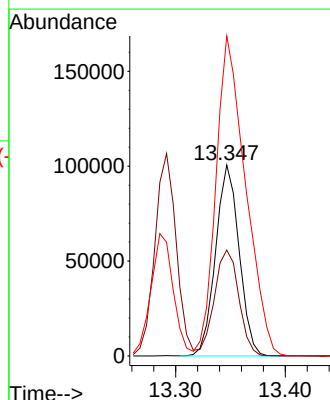
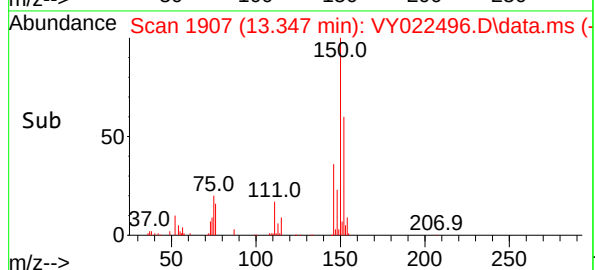
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

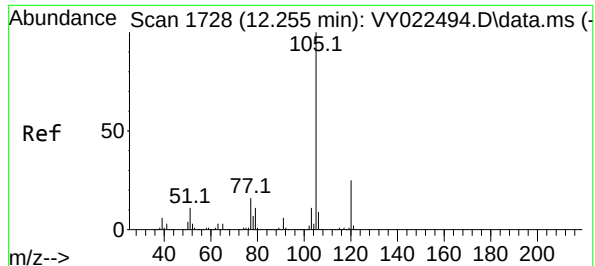


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39



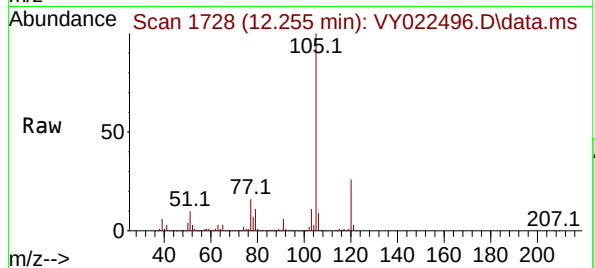
Tgt Ion:152 Resp: 150326
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.7
150 210.0 0.0 349.6





#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

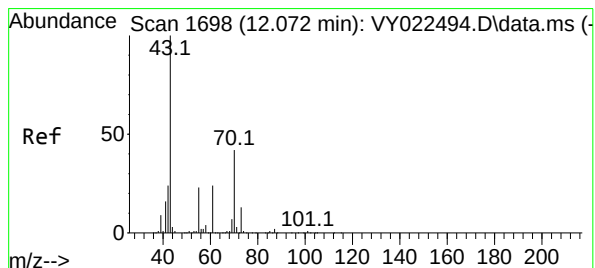
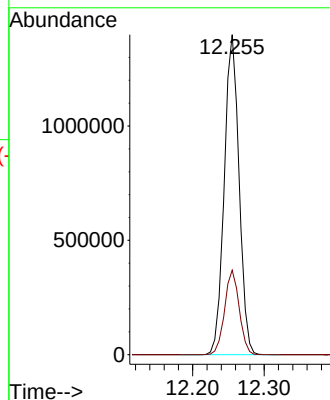
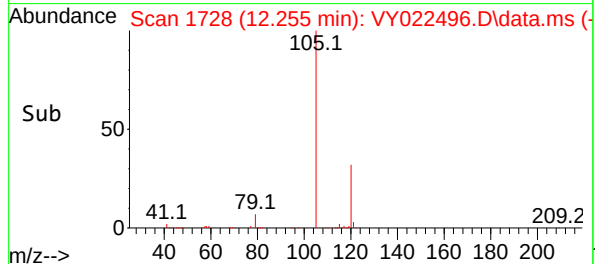
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 2011262
Ion Ratio Lower Upper
105 100
120 26.1 13.0 38.9

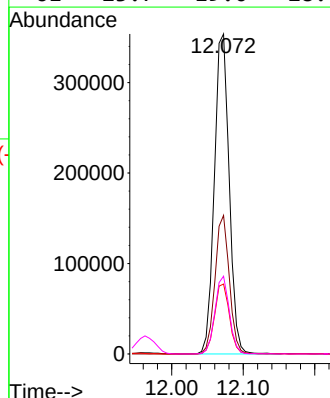
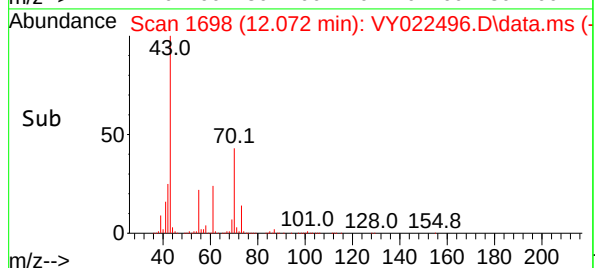
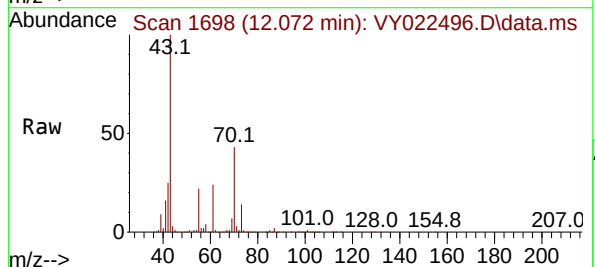
Manual Integrations
APPROVED

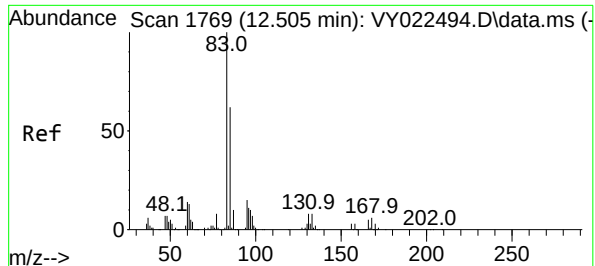
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

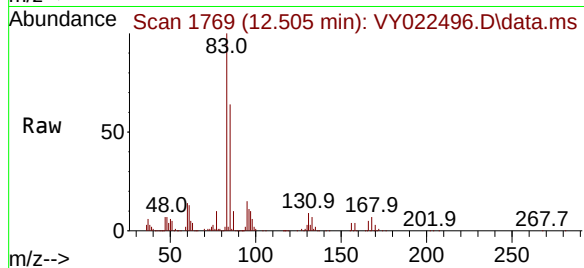
Tgt Ion: 43 Resp: 508301
Ion Ratio Lower Upper
43 100
70 42.1 34.2 51.2
55 22.1 18.2 27.4
61 23.7 19.0 28.6





#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

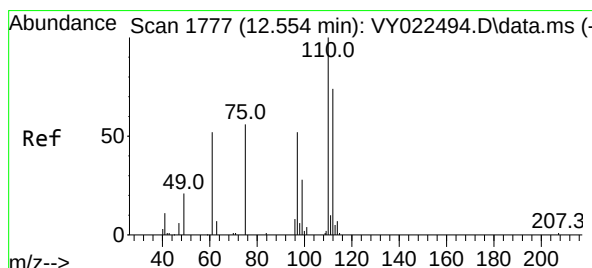
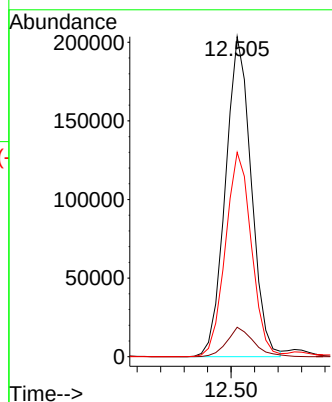
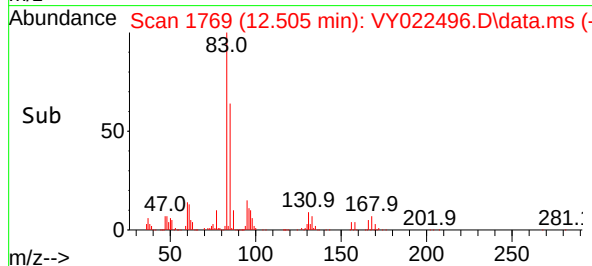
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

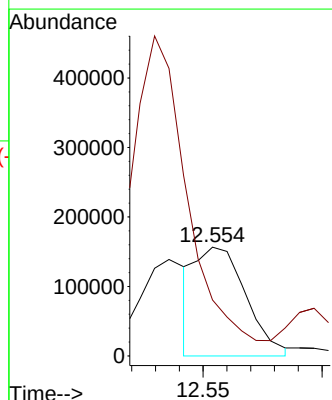
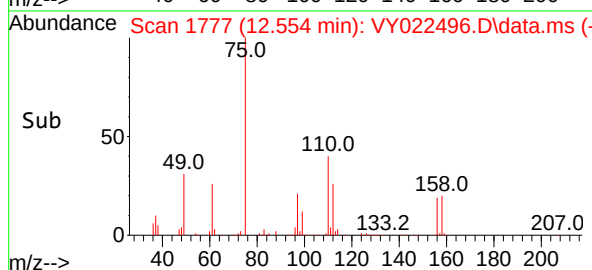
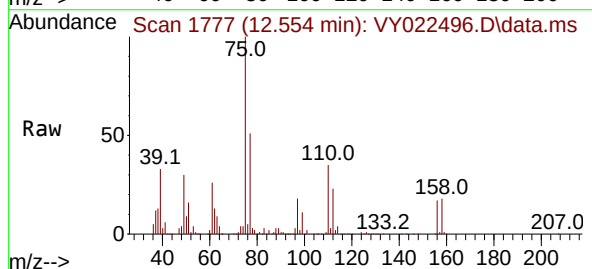
Manual Integrations
APPROVED

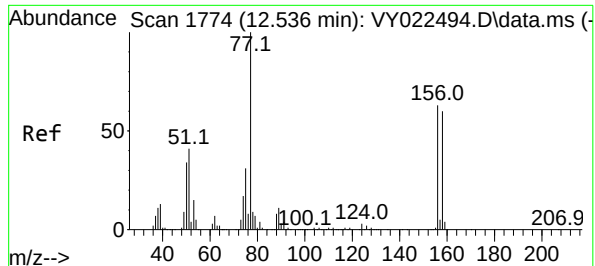
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





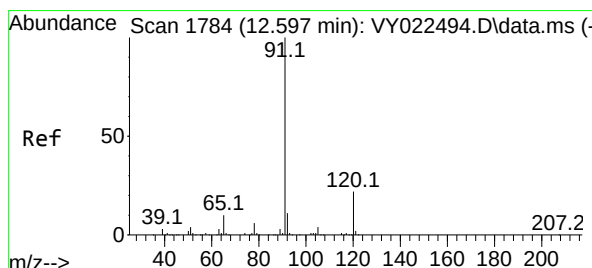
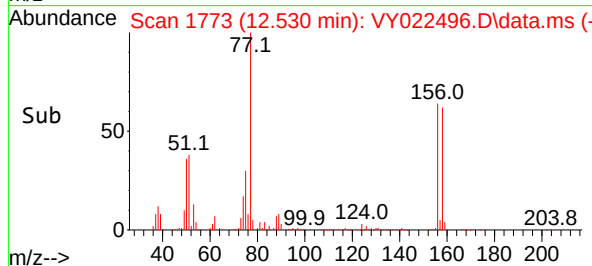
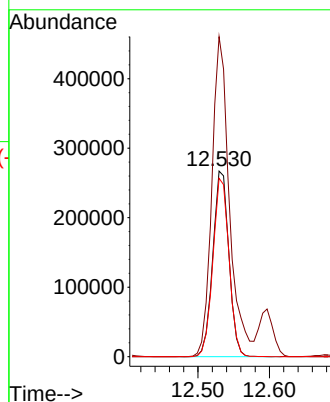
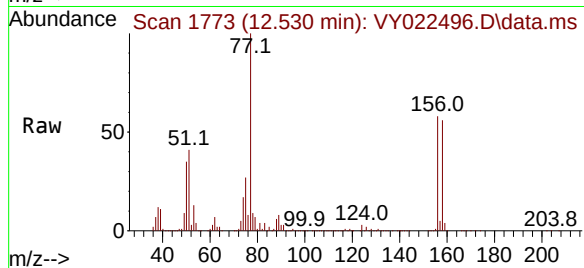
#77
Bromobenzene
Concen: 162.489 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

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

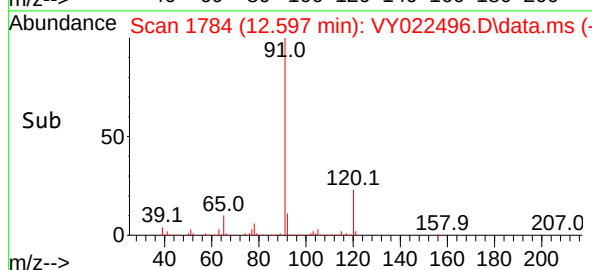
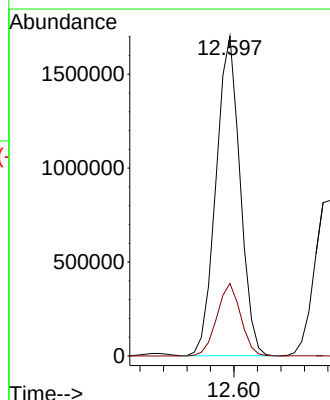
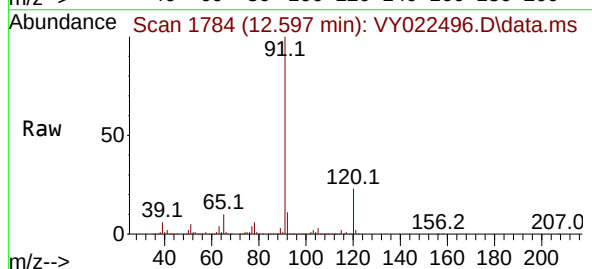
Manual Integrations
APPROVED

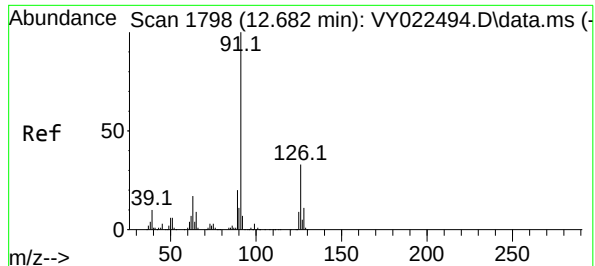
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

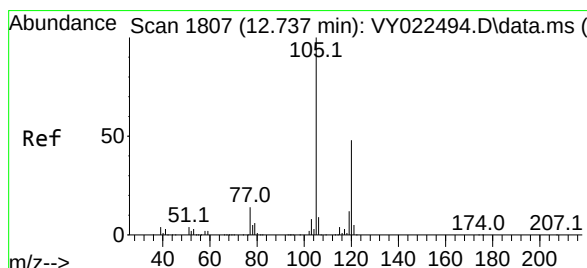
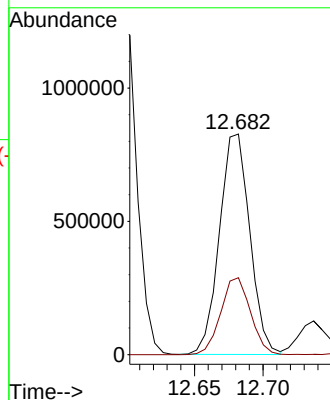
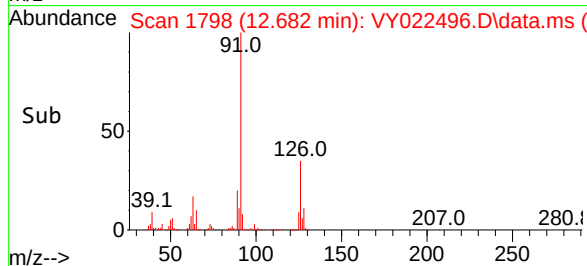
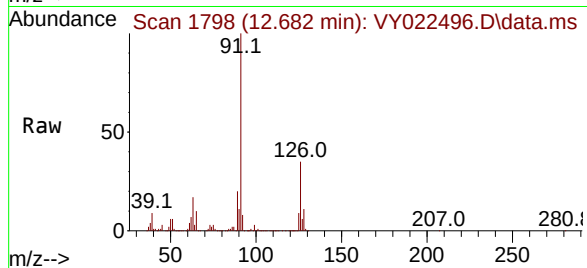
126 34.3 17.0 51.0

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

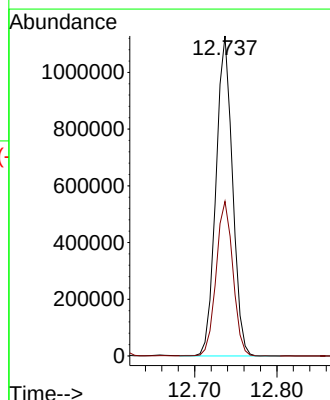
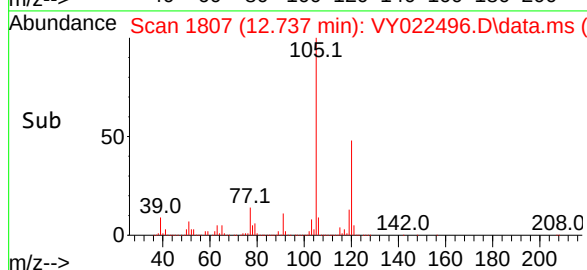
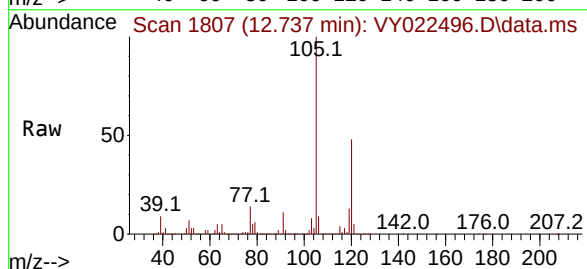
Acq: 02 Jun 2025 13:39

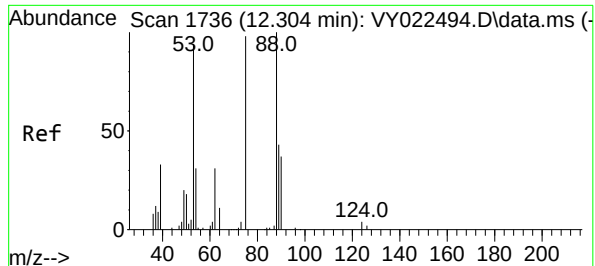
Tgt Ion:105 Resp: 1576906

Ion Ratio Lower Upper

105 100

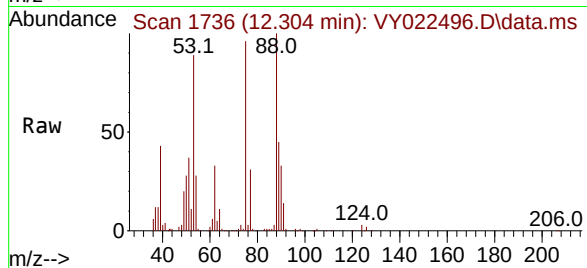
120 49.0 24.1 72.4





#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

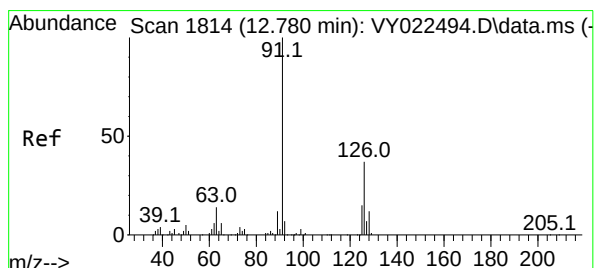
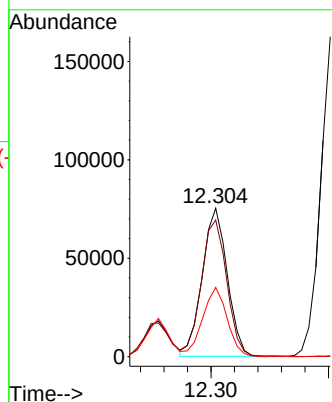
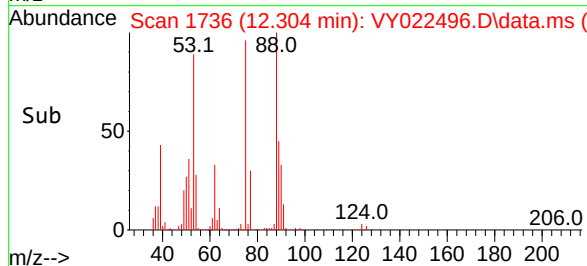
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

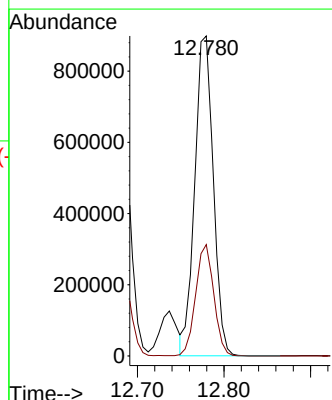
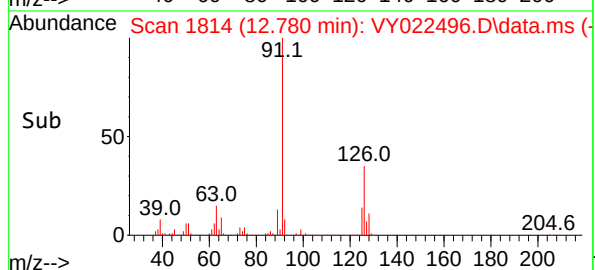
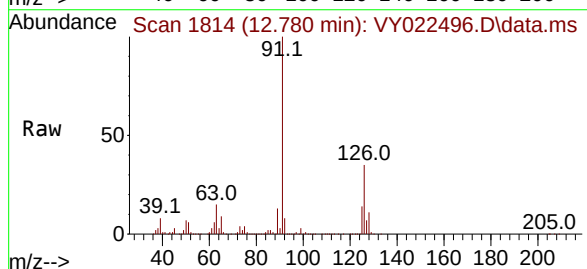
Manual Integrations
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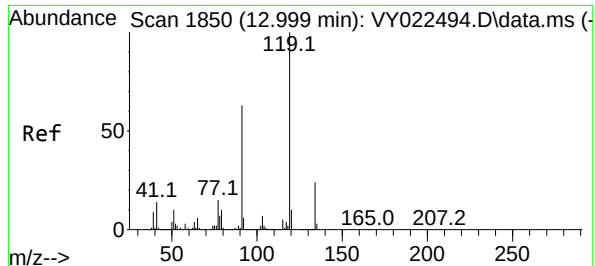
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

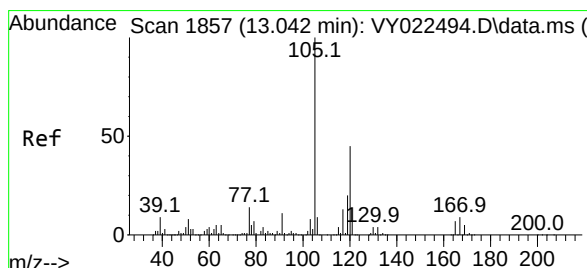
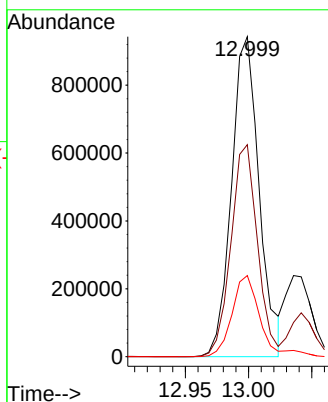
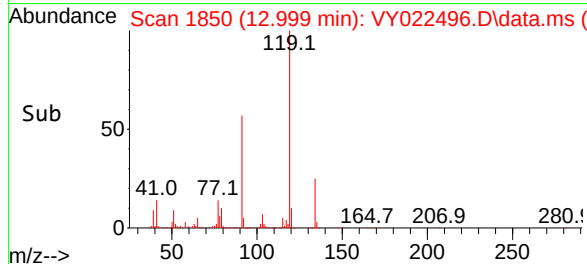
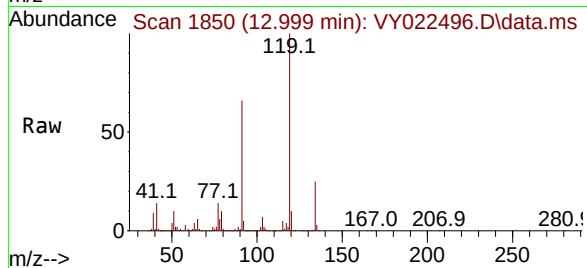
134 25.9 13.0 38.9

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

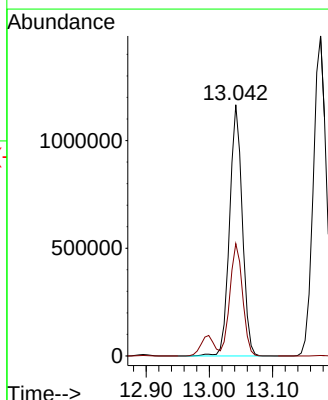
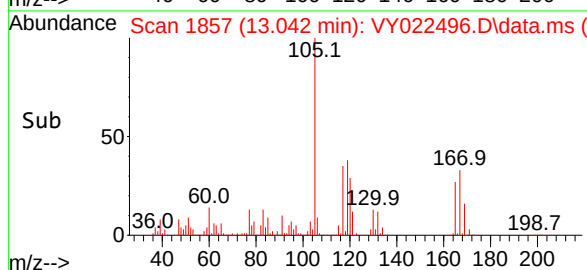
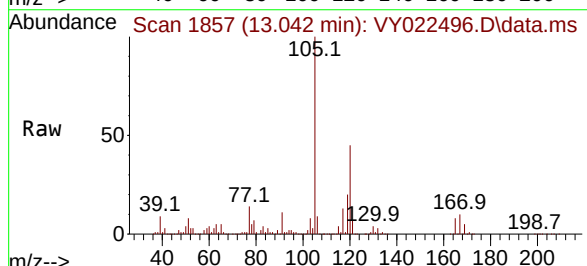
Acq: 02 Jun 2025 13:39

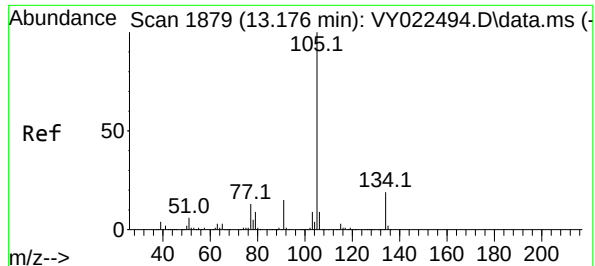
Tgt Ion:105 Resp: 1623289

Ion Ratio Lower Upper

105 100

120 44.7 22.7 68.1





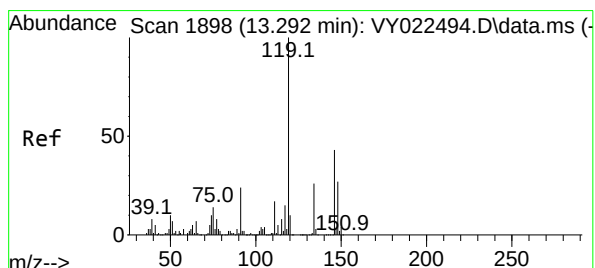
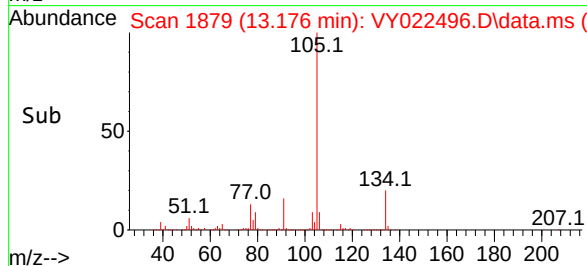
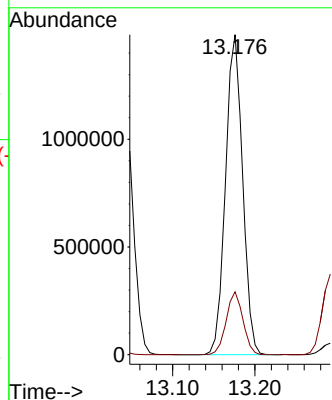
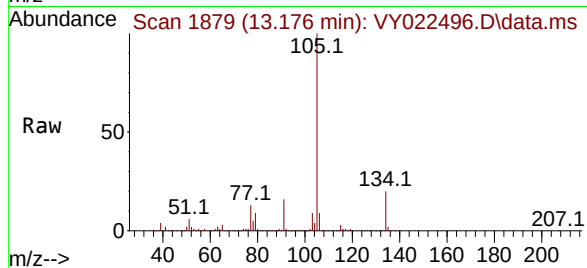
#85
sec-Butylbenzene
Concen: 163.415 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 214044
Ion Ratio Lower Upper
105 100
134 19.3 9.7 28.9

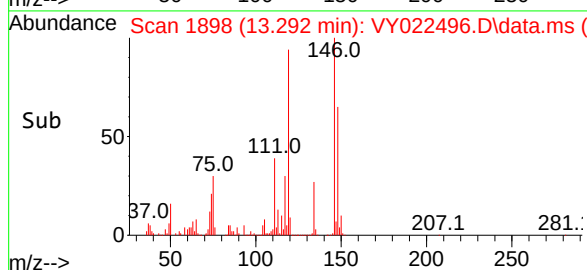
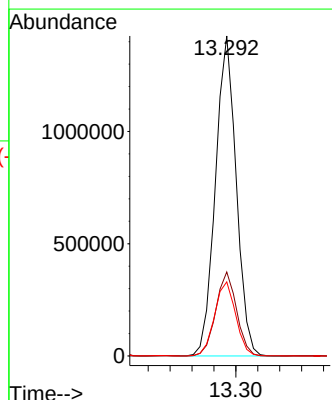
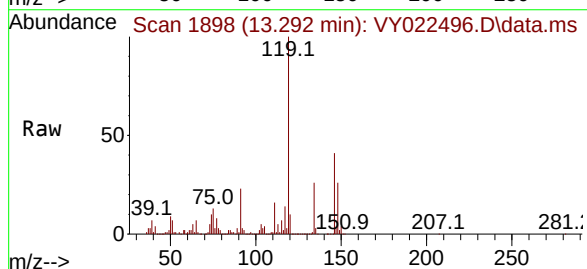
Manual Integrations
APPROVED

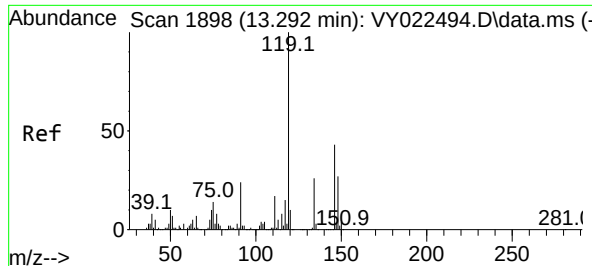
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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# 11

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

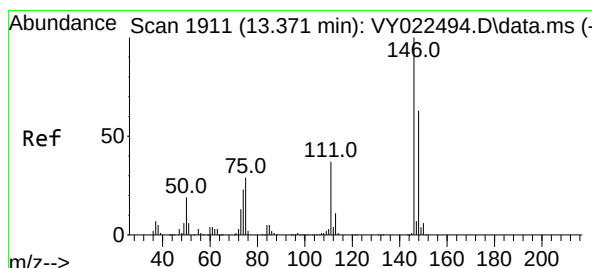
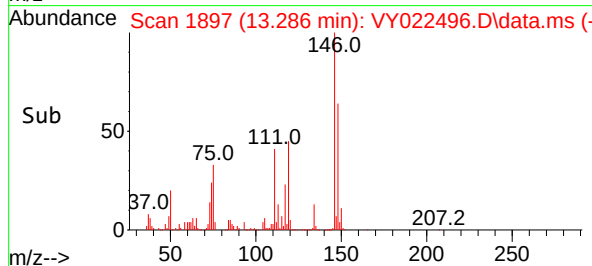
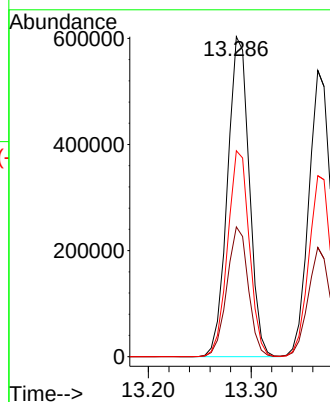
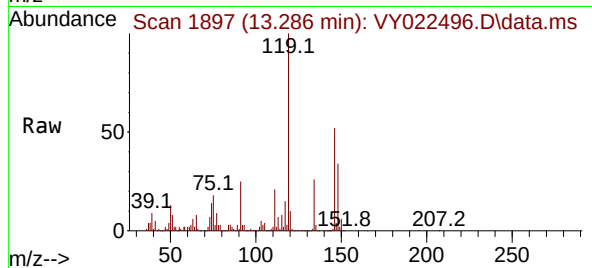
148 64.2 32.1 96.3

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

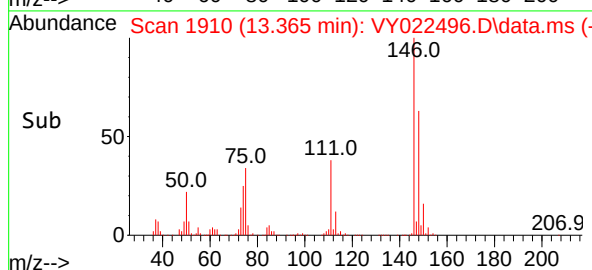
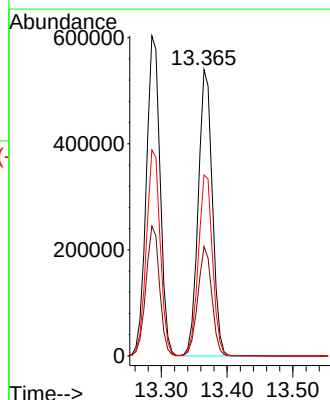
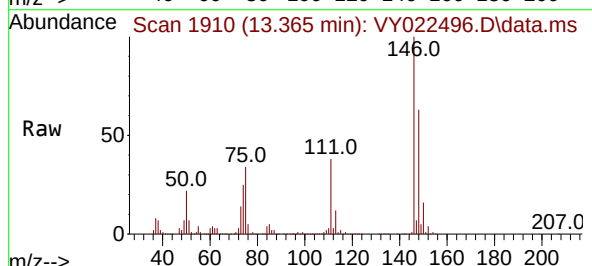
Tgt Ion:146 Resp: 803022

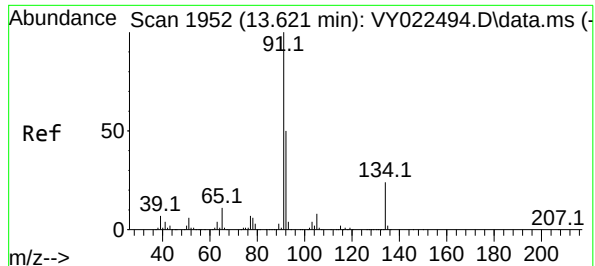
Ion Ratio Lower Upper

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

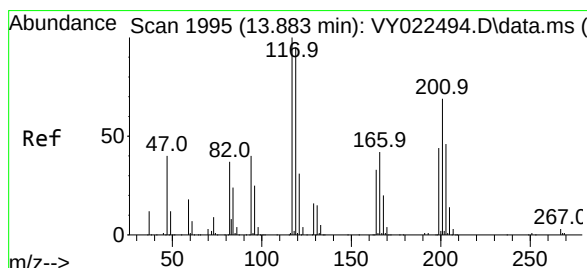
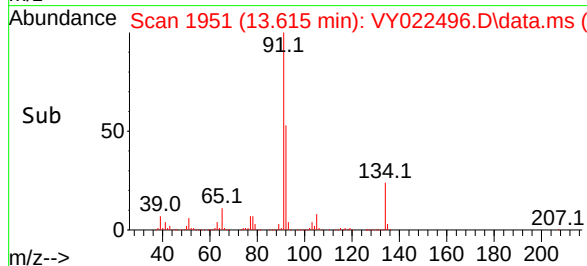
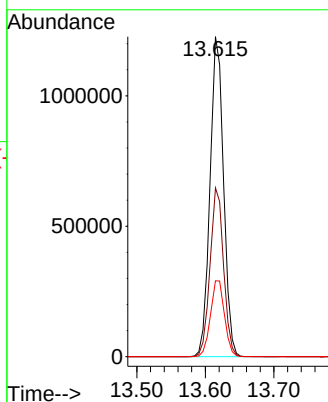
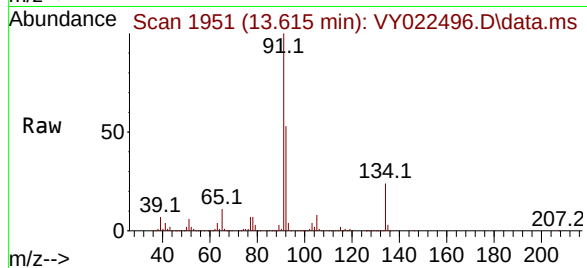
134 24.6 12.0 36.1

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

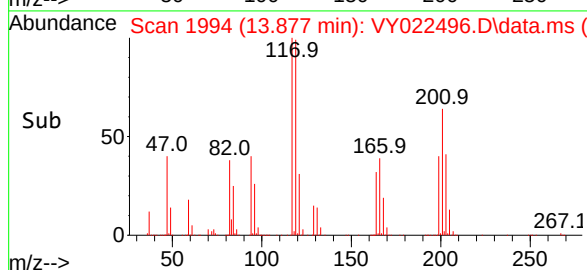
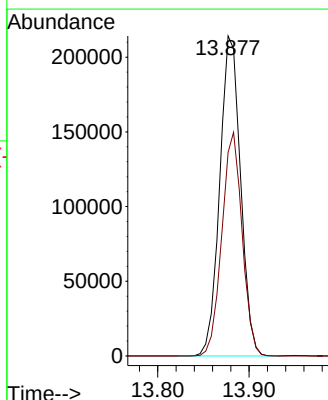
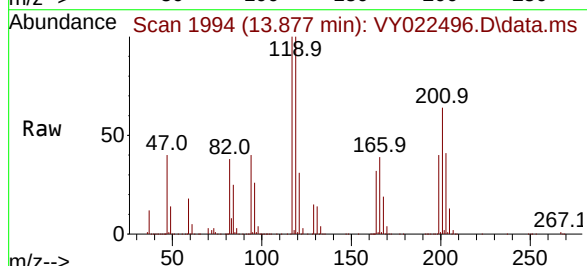
Acq: 02 Jun 2025 13:39

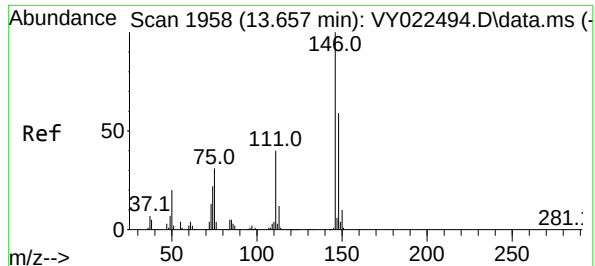
Tgt Ion:117 Resp: 338845

Ion Ratio Lower Upper

117 100

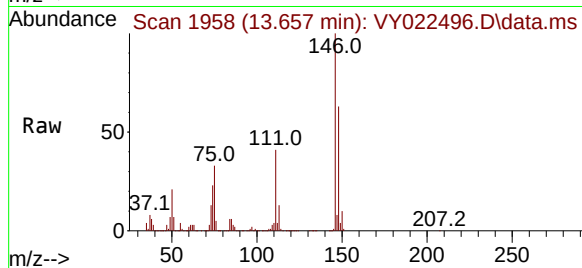
201 68.2 34.0 102.0





#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

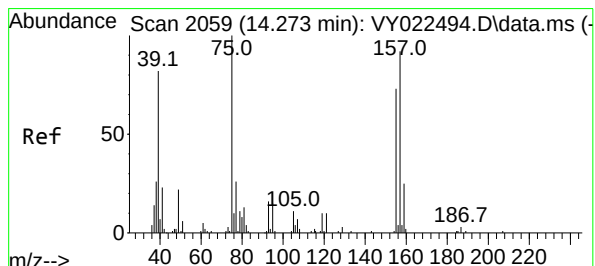
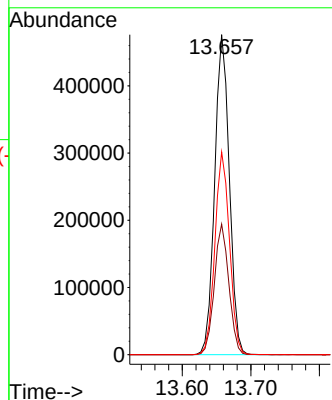
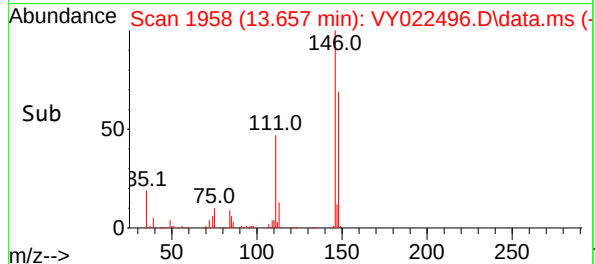
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



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

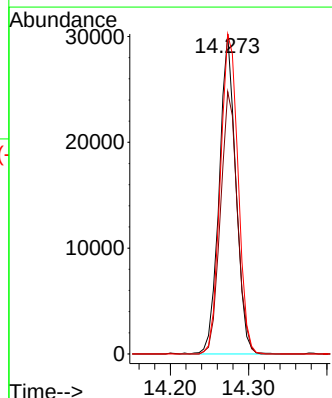
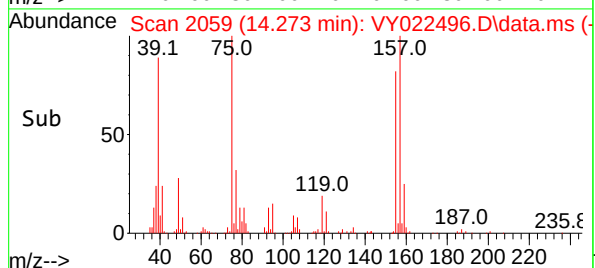
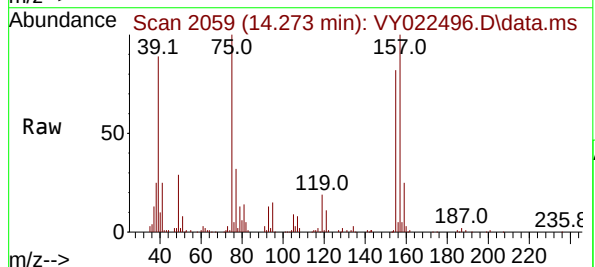
Manual Integrations
APPROVED

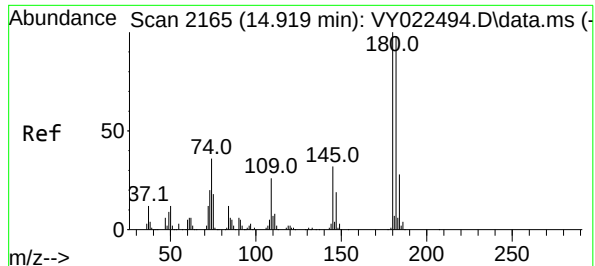
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

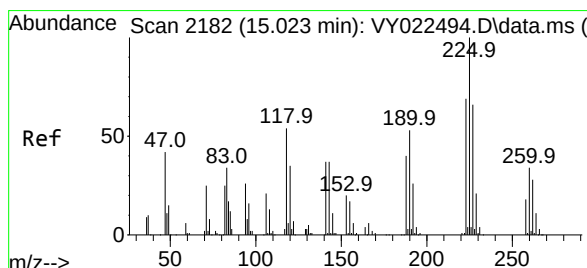
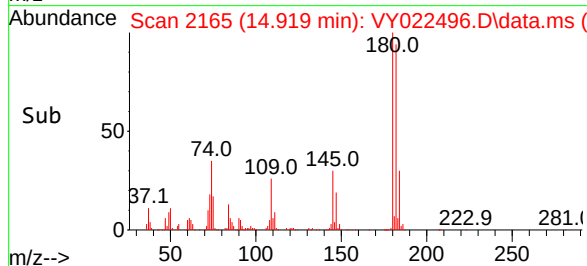
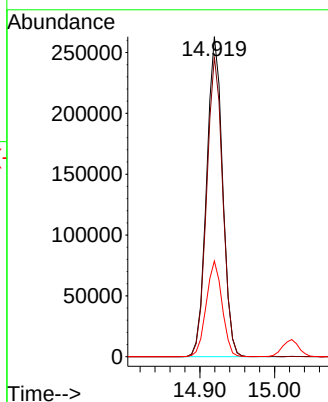
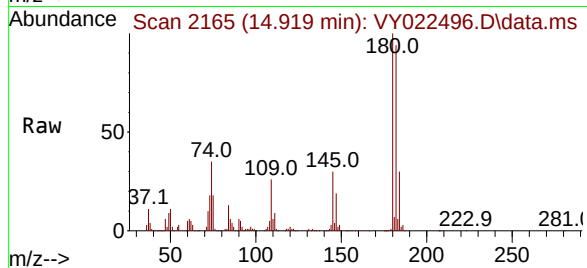
145 29.7 15.5 46.5

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

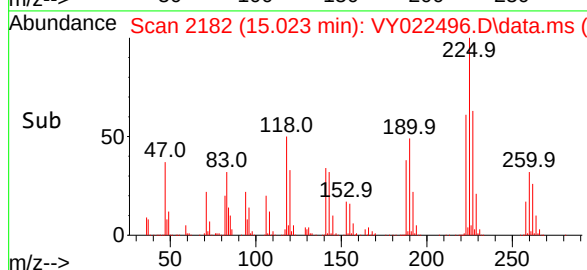
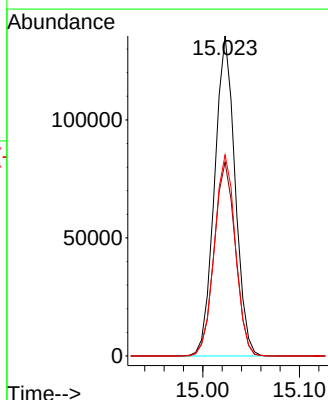
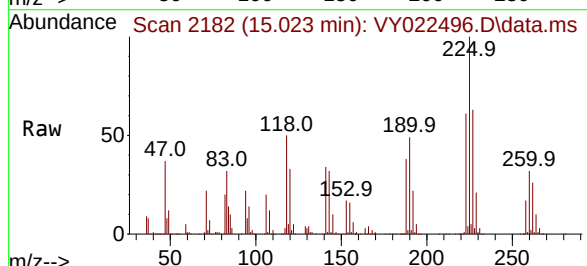
Tgt Ion:225 Resp: 199423

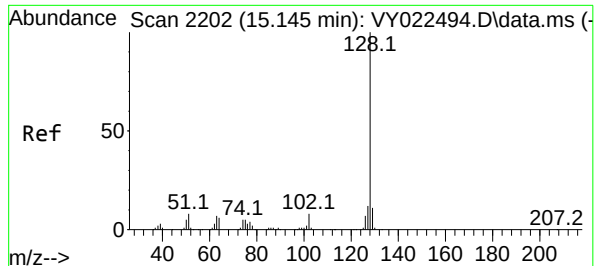
Ion Ratio Lower Upper

225 100

223 62.5 32.5 97.4

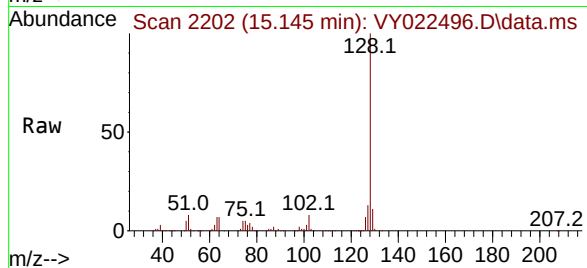
227 64.2 32.3 96.9





#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

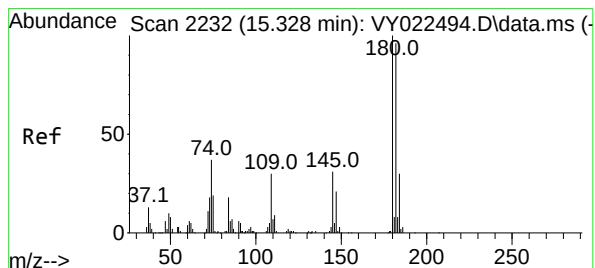
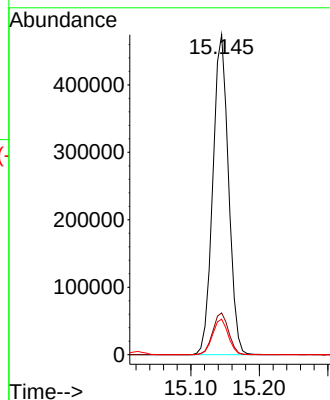
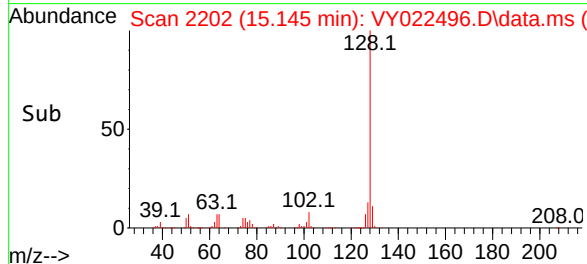
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

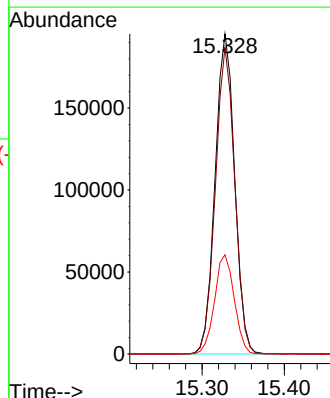
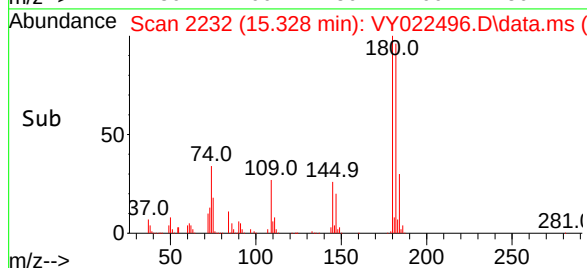
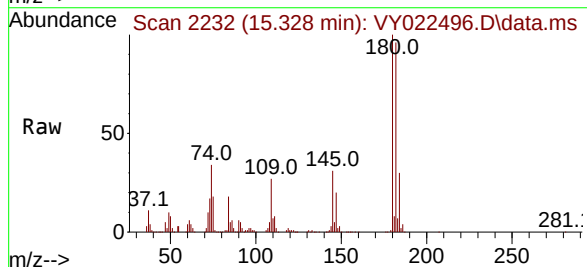
Manual Integrations
APPROVED

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

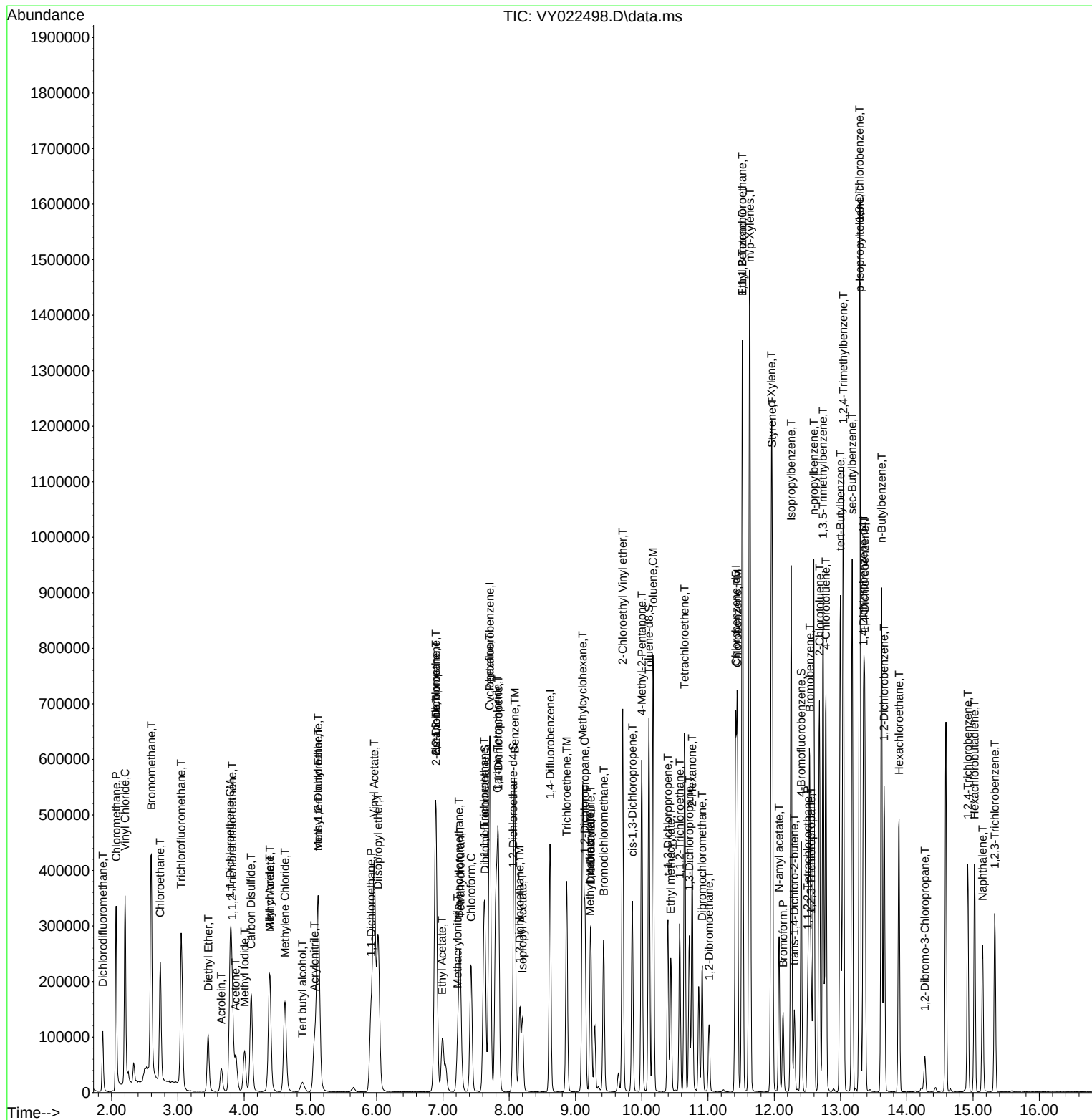
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022498.D
 Acq On : 02 Jun 2025 14:59
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

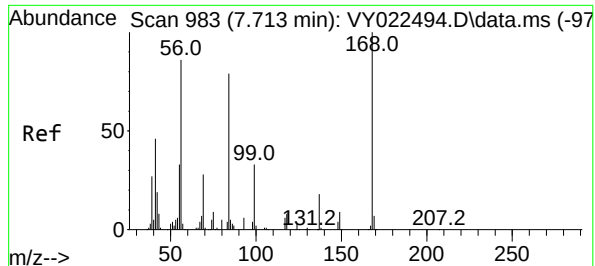
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

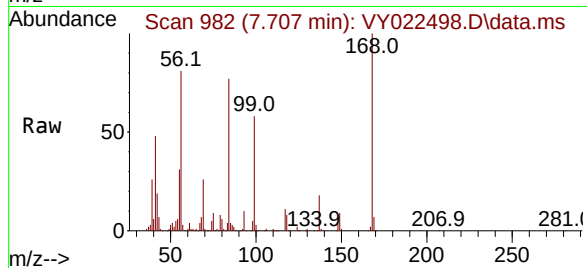
Quant Time: Jun 03 03:24:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration





#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

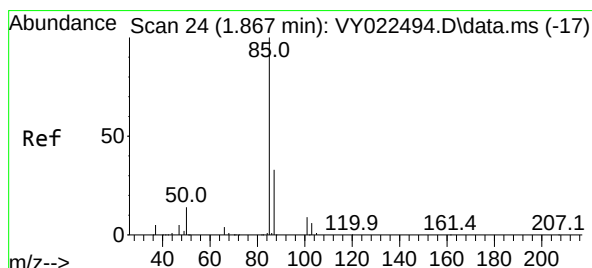
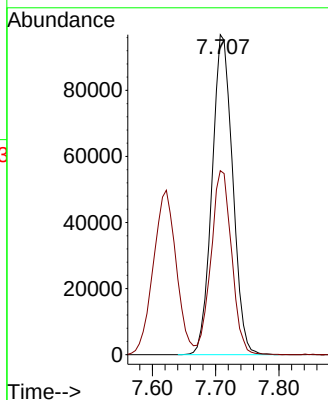
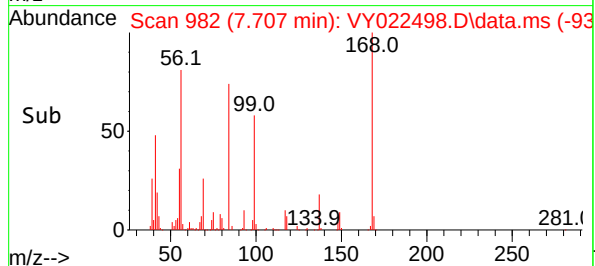
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion:168 Resp: 219240
Ion Ratio Lower Upper
168 100
99 57.4 44.3 66.5

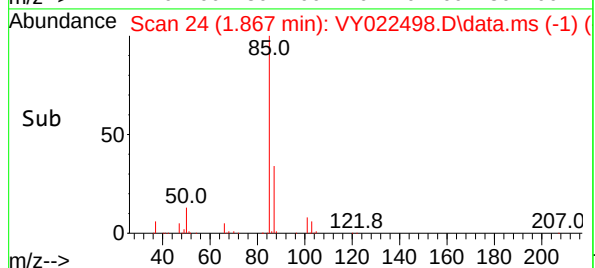
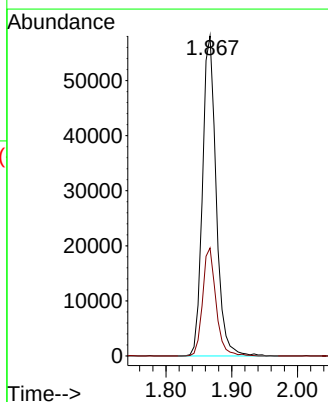
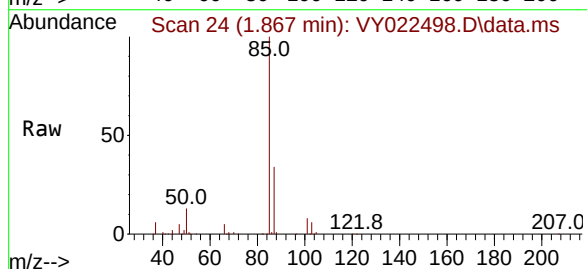
Manual Integrations
APPROVED

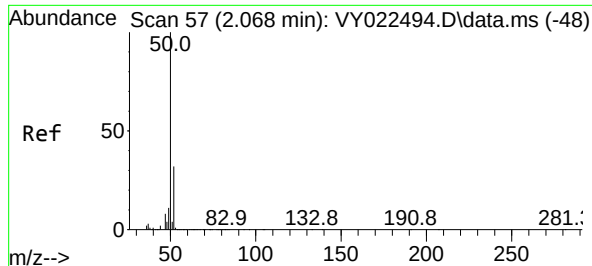
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

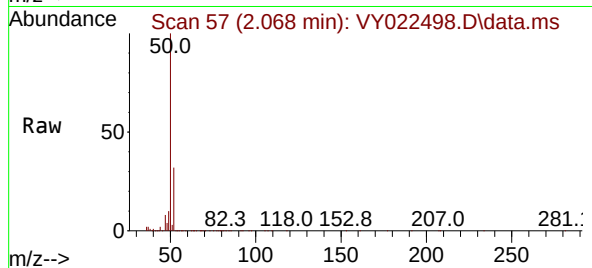
Tgt Ion: 85 Resp: 84059
Ion Ratio Lower Upper
85 100
87 33.7 16.7 50.0





#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

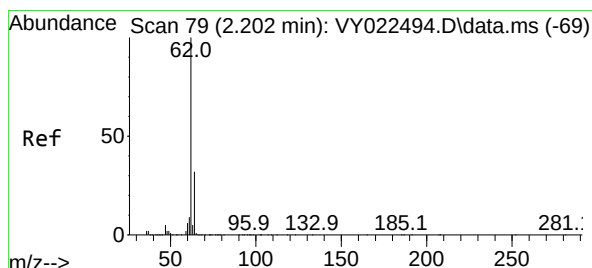
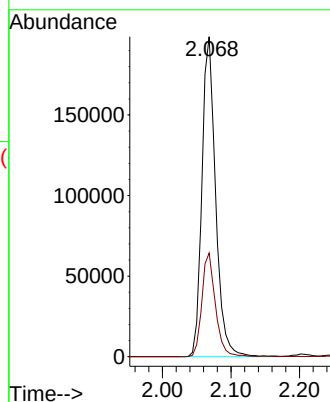
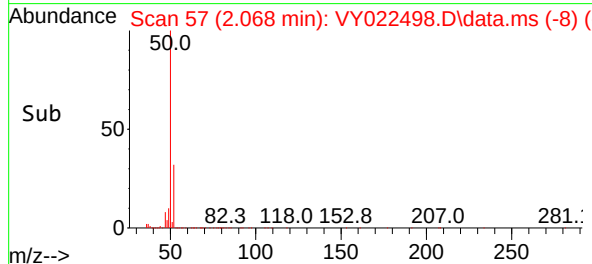
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion: 50 Resp: 276110
Ion Ratio Lower Upper
50 100
52 32.4 26.0 39.0

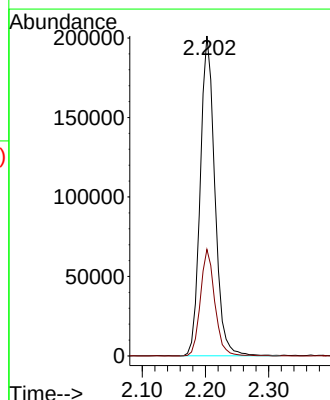
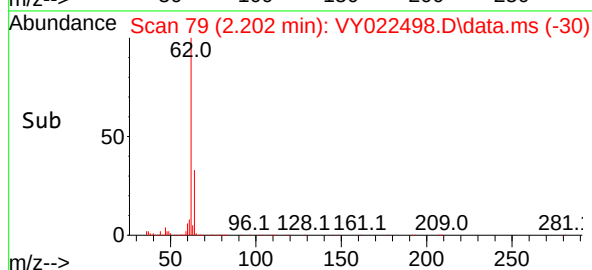
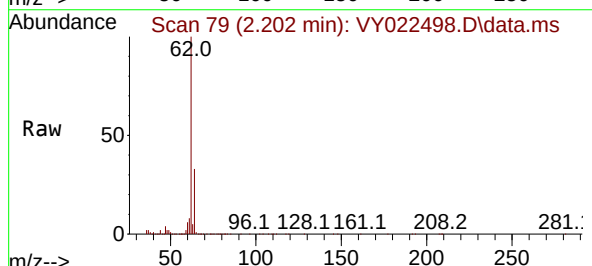
Manual Integrations
APPROVED

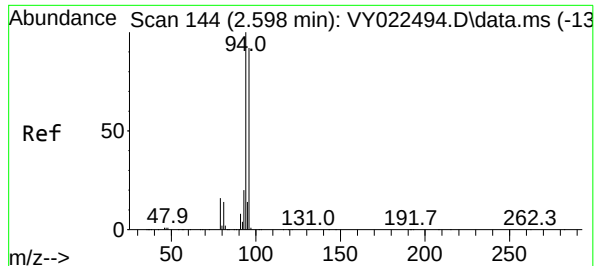
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

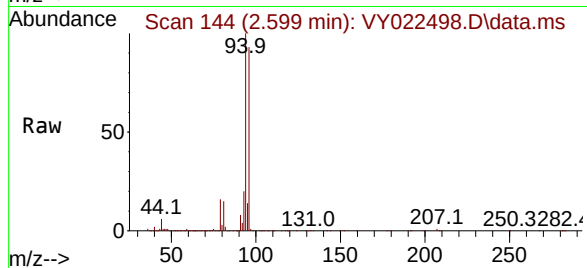
Tgt Ion: 62 Resp: 323338
Ion Ratio Lower Upper
62 100
64 33.3 25.3 37.9





#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

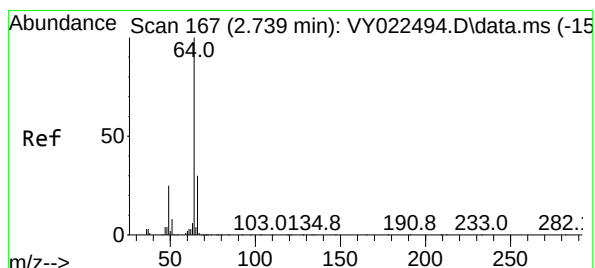
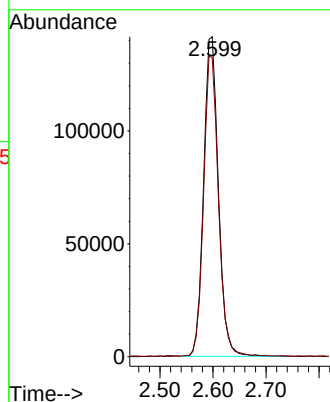
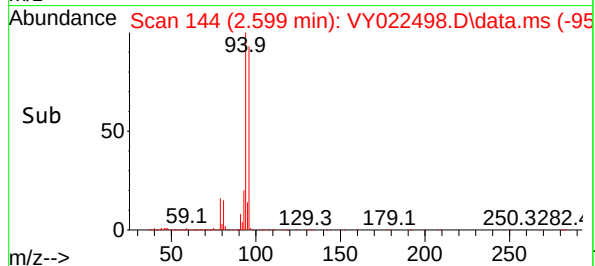
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



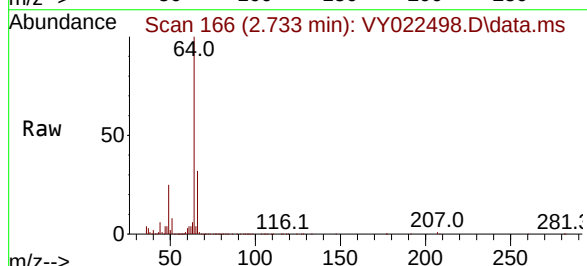
Tgt Ion: 94 Resp: 27412
Ion Ratio Lower Upper
94 100
96 93.4 74.0 111.0

Manual Integrations
APPROVED

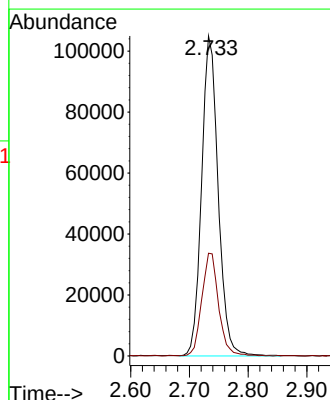
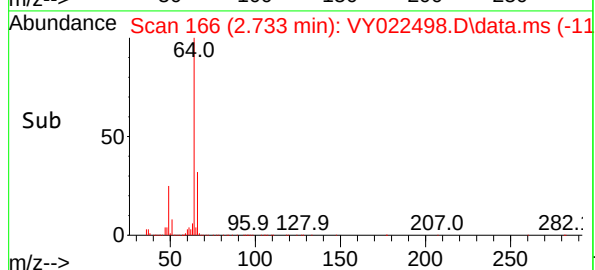
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

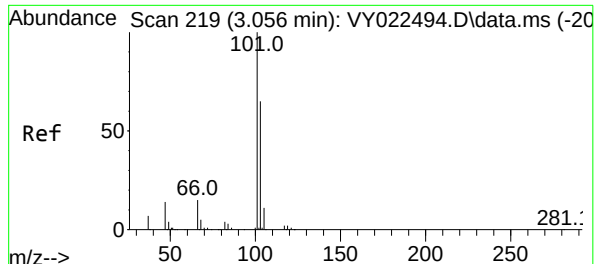


#6
Chloroethane
Concen: 44.575 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



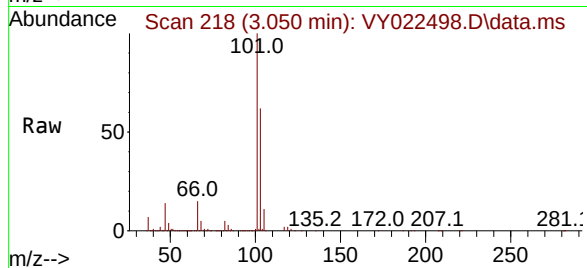
Tgt Ion: 64 Resp: 205816
Ion Ratio Lower Upper
64 100
66 32.0 23.8 35.6





#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

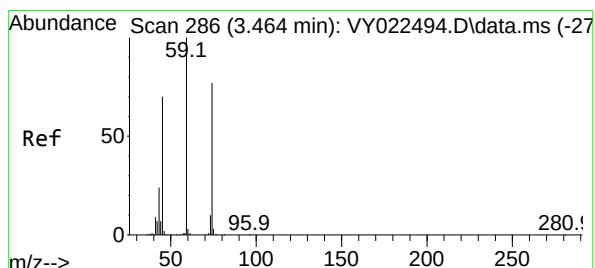
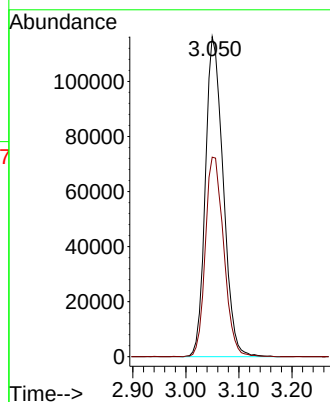
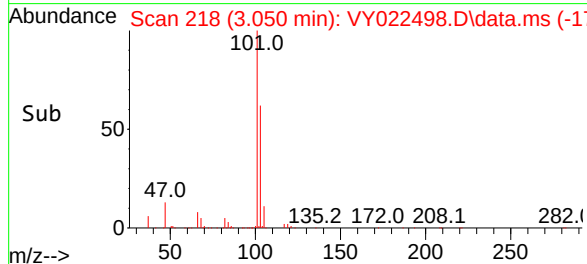
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



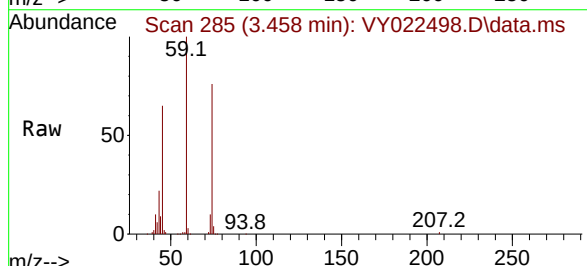
Tgt Ion:101 Resp: 27112
Ion Ratio Lower Upper
101 100
103 62.4 52.2 78.2

Manual Integrations
APPROVED

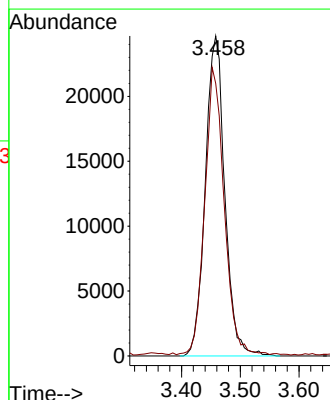
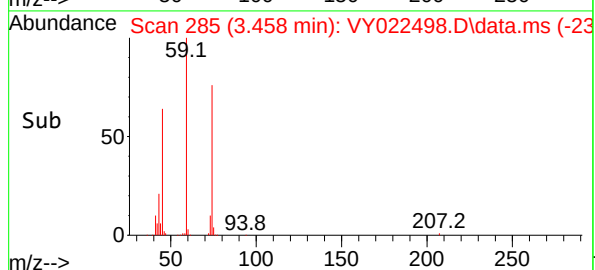
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

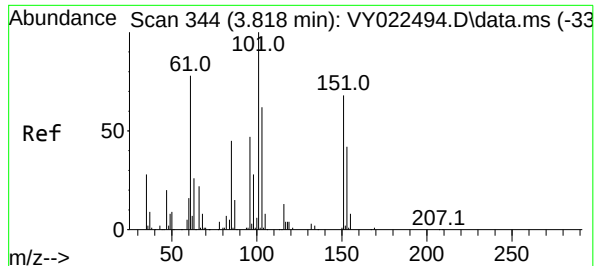


#8
Diethyl Ether
Concen: 44.247 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



Tgt Ion: 74 Resp: 56906
Ion Ratio Lower Upper
74 100
45 89.1 45.9 137.6





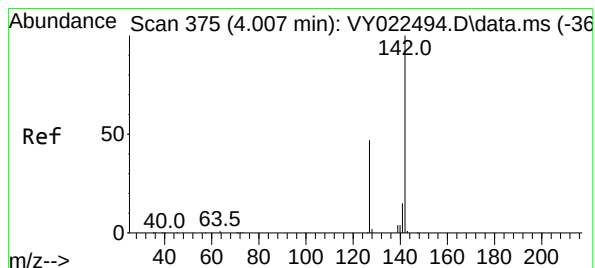
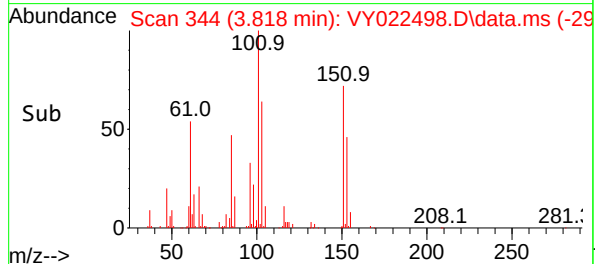
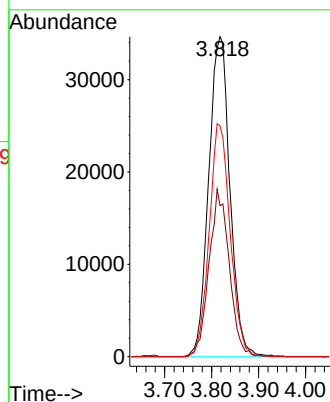
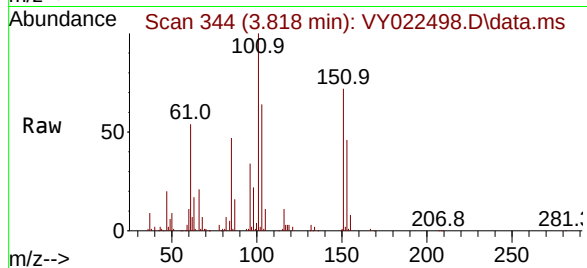
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.230 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

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

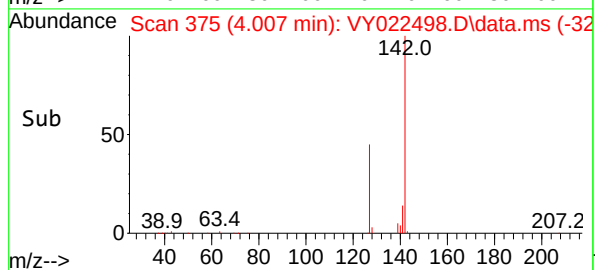
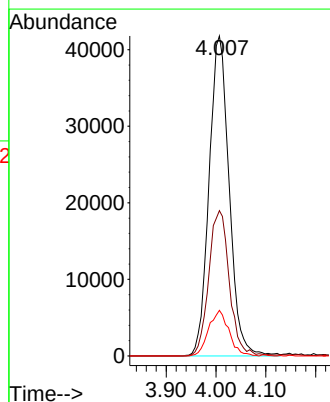
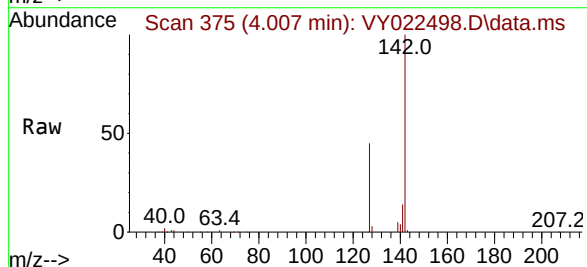
Manual Integrations
APPROVED

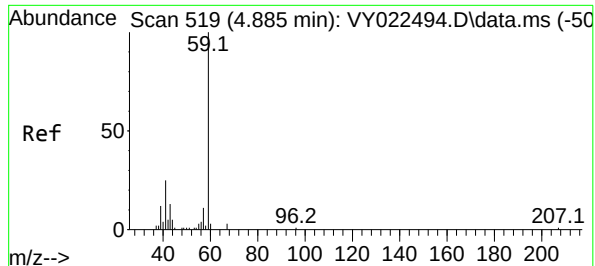
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

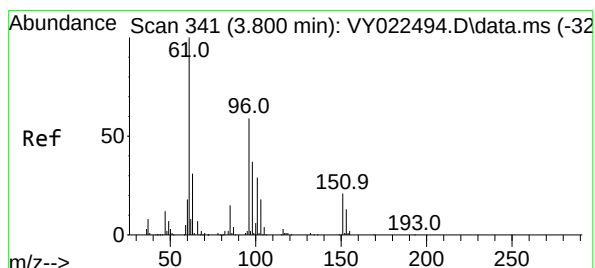
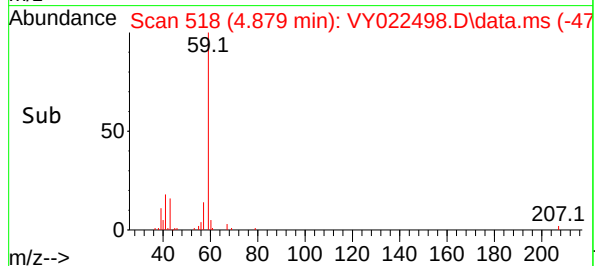
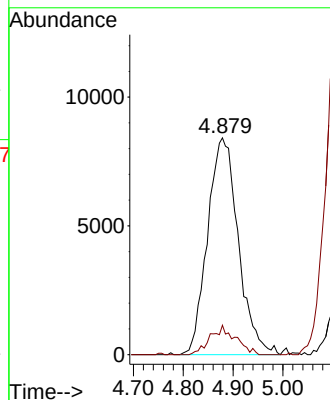
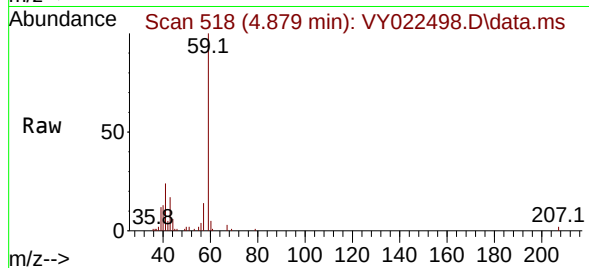
57 11.1 8.0 12.0

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

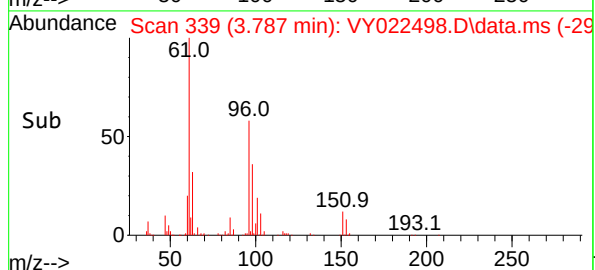
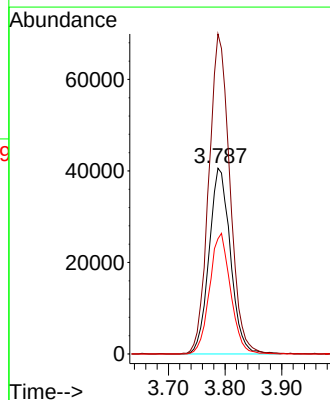
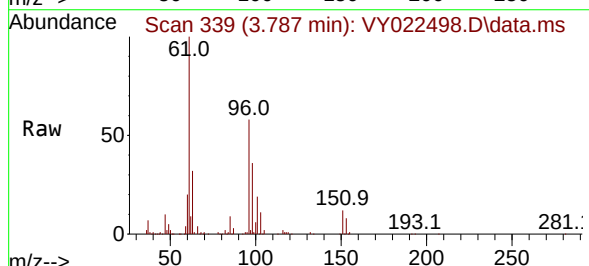
Tgt Ion: 96 Resp: 106297

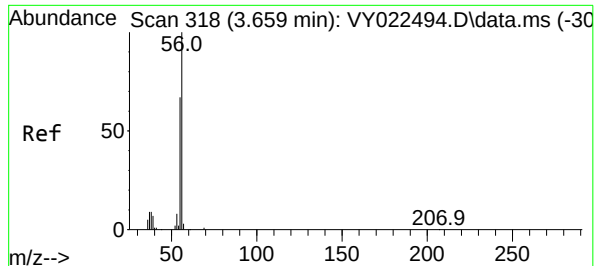
Ion Ratio Lower Upper

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

Tgt Ion: 56 Resp: 48776

Ion Ratio Lower Upper

56 100

55 70.0 57.0 85.6

Instrument :

MSVOA_Y

ClientSampleId :

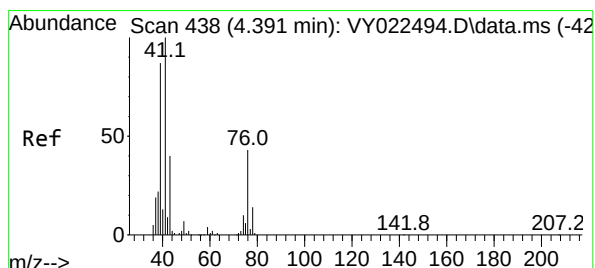
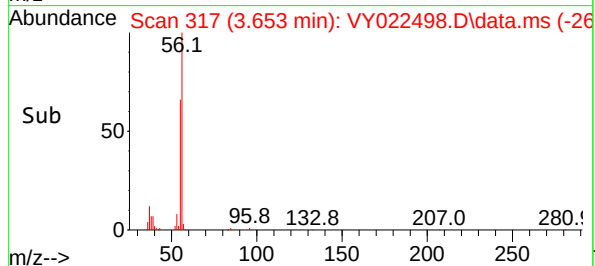
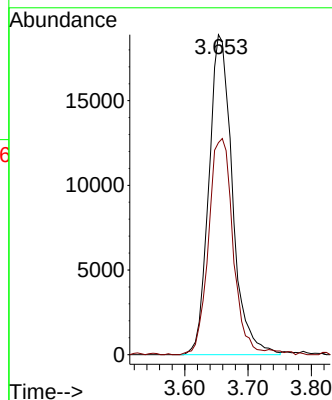
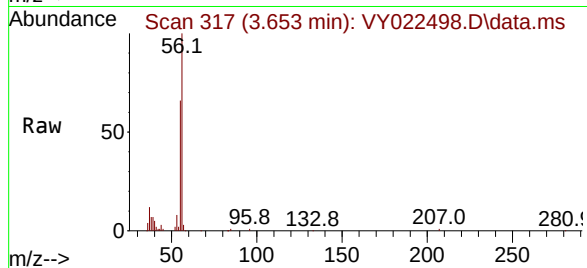
ICVY060225

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

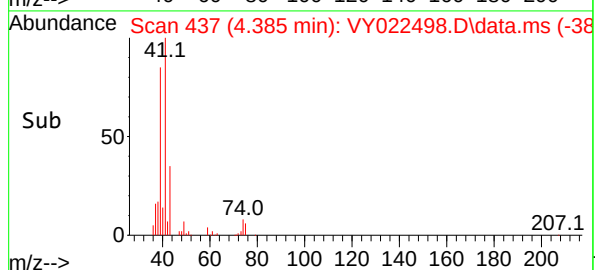
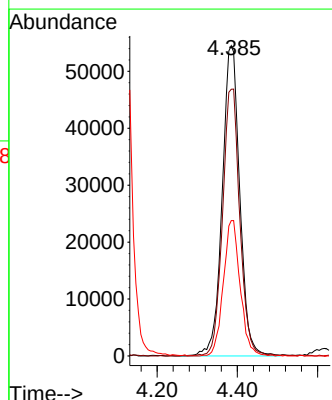
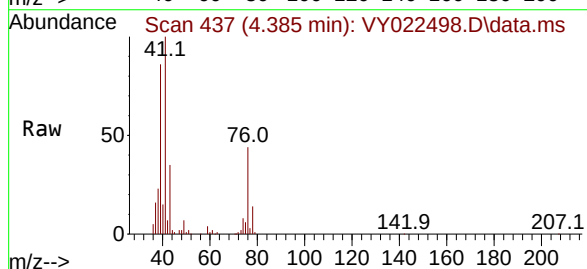
Tgt Ion: 41 Resp: 165428

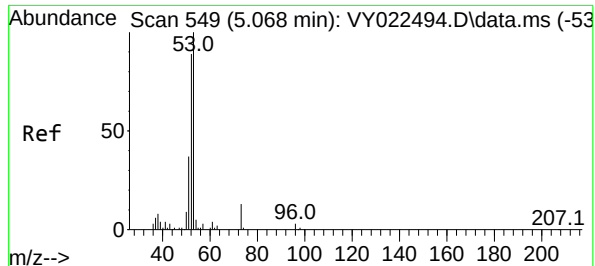
Ion Ratio Lower Upper

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

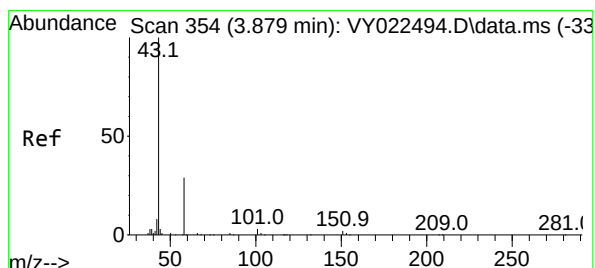
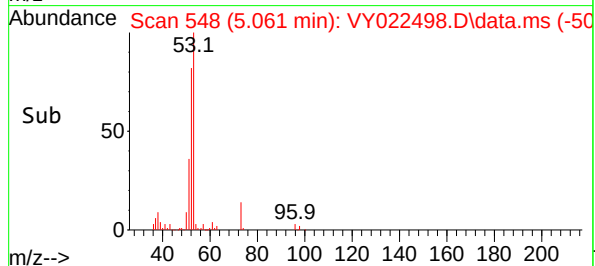
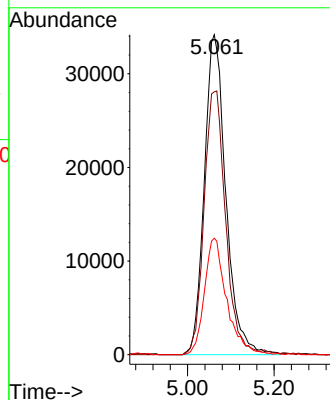
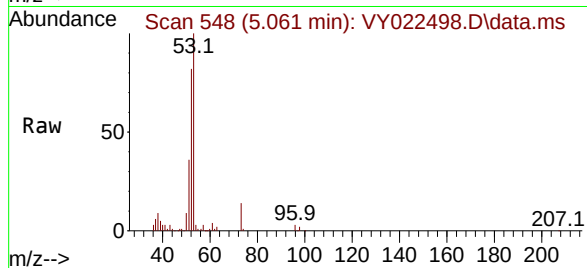
51 37.5 30.1 45.1

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

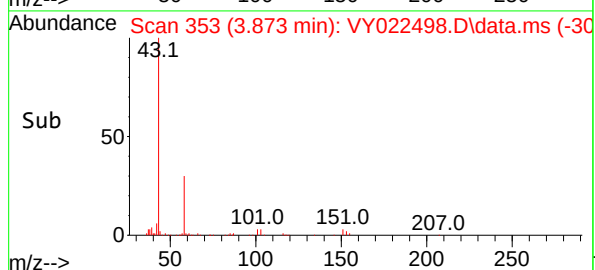
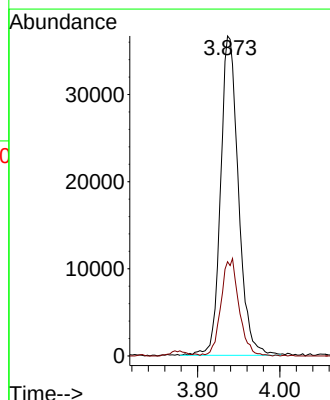
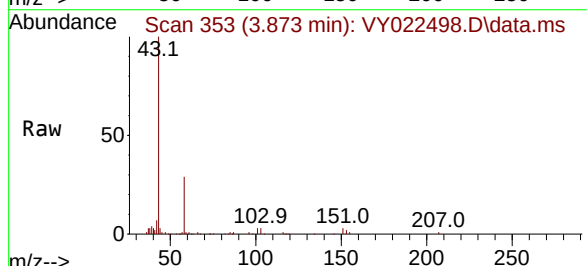
Acq: 02 Jun 2025 14:59

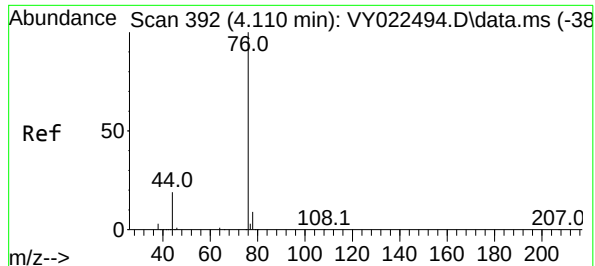
Tgt Ion: 43 Resp: 110479

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

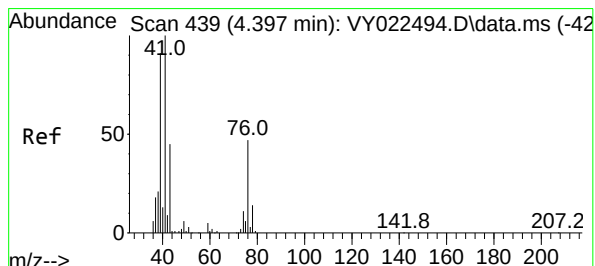
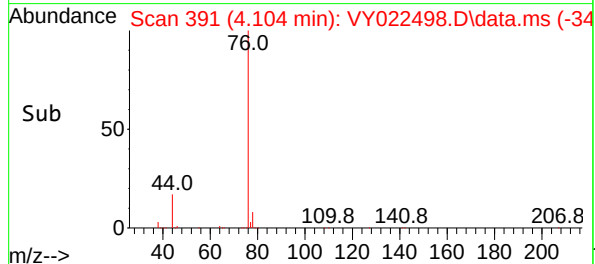
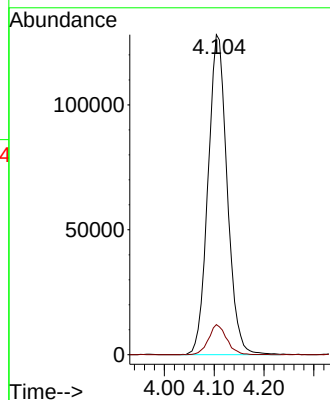
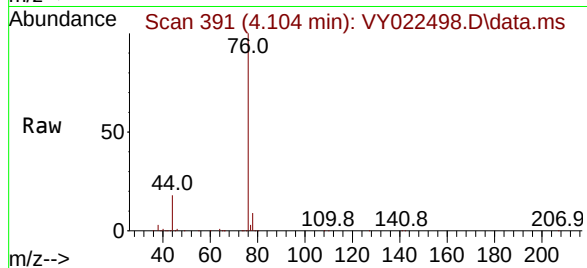
78 9.4 7.4 11.2

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

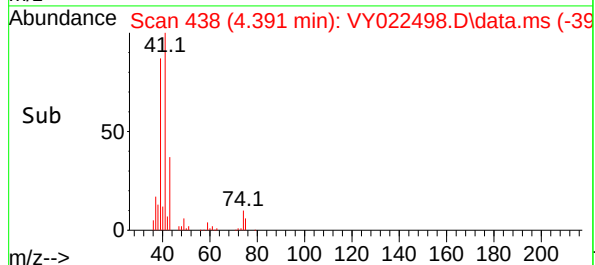
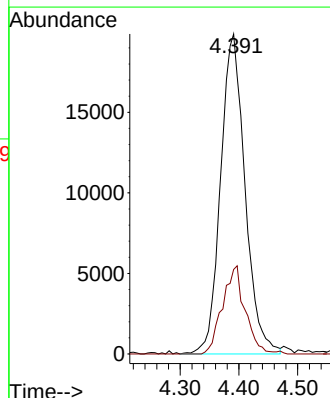
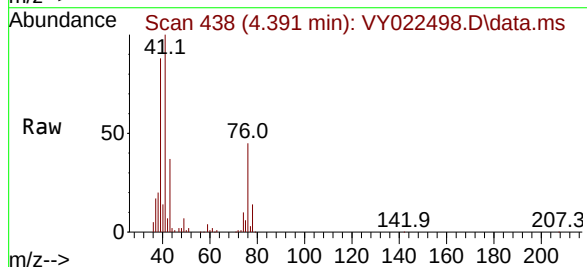
Acq: 02 Jun 2025 14:59

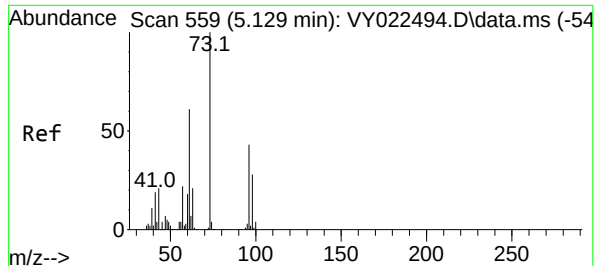
Tgt Ion: 43 Resp: 57416

Ion Ratio Lower Upper

43 100

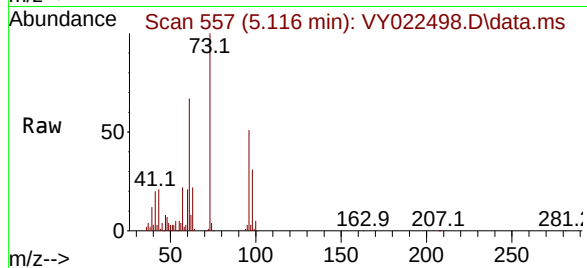
74 25.6 19.8 29.6





#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

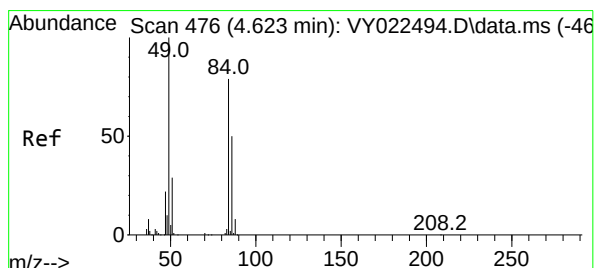
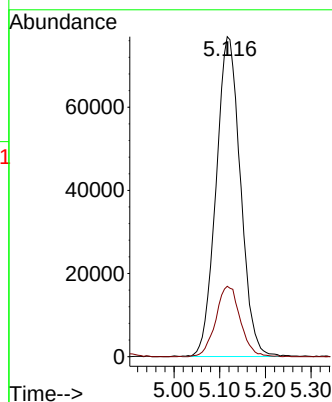
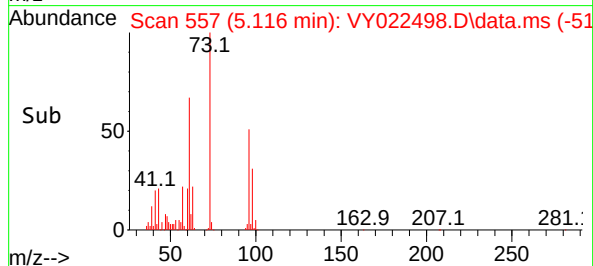
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



Tgt Ion: 73 Resp: 28476
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.0

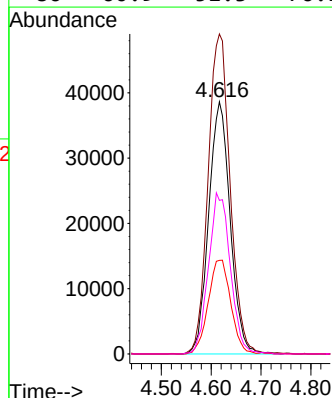
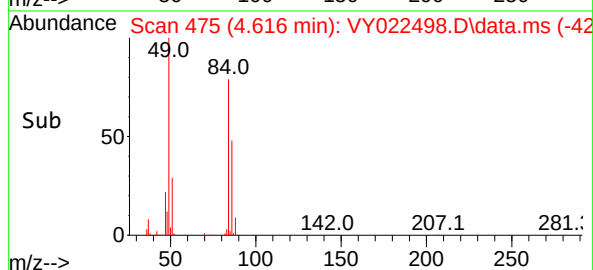
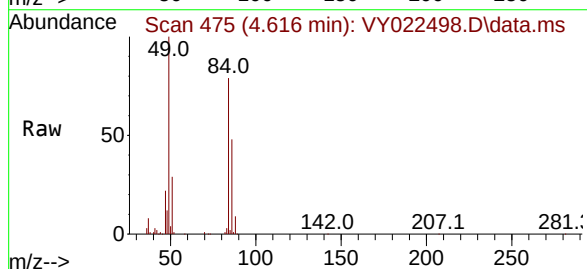
Manual Integrations
APPROVED

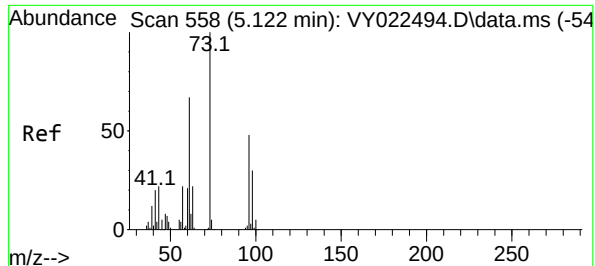
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

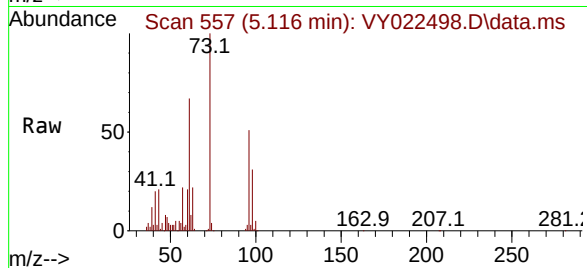
Tgt Ion: 84 Resp: 115624
Ion Ratio Lower Upper
84 100
49 126.9 101.9 152.9
51 37.1 29.8 44.8
86 60.9 51.3 76.9





#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

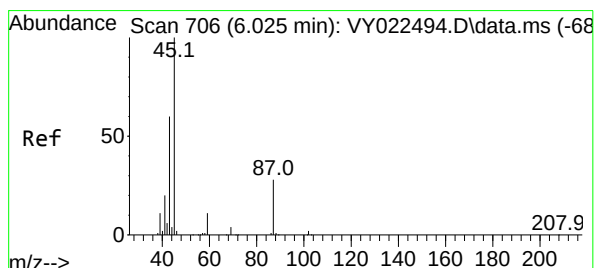
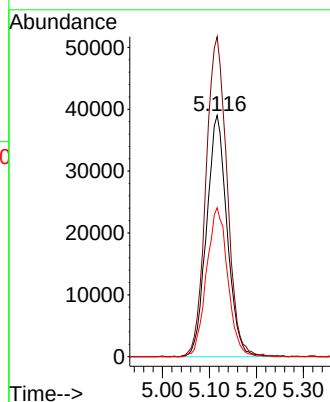
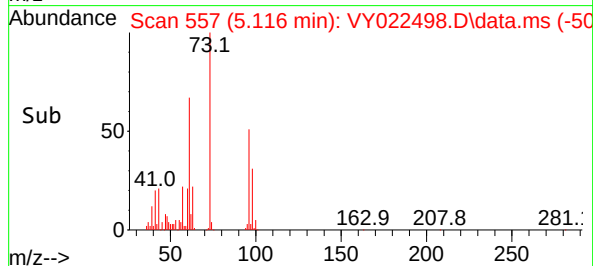
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



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

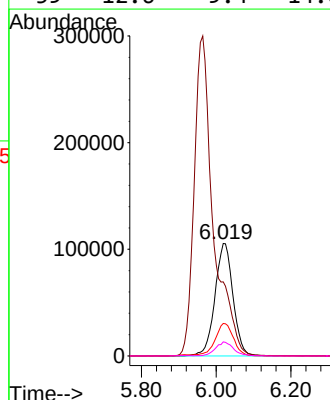
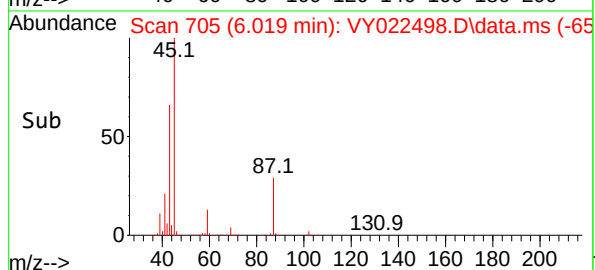
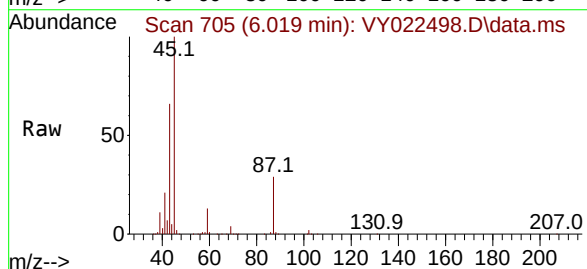
Manual Integrations
APPROVED

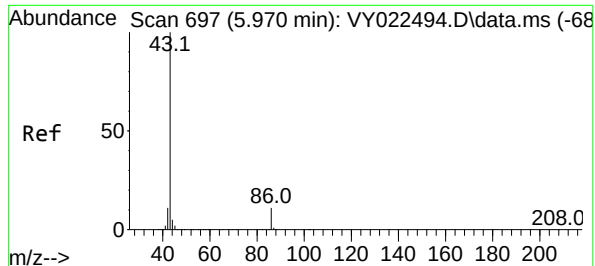
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

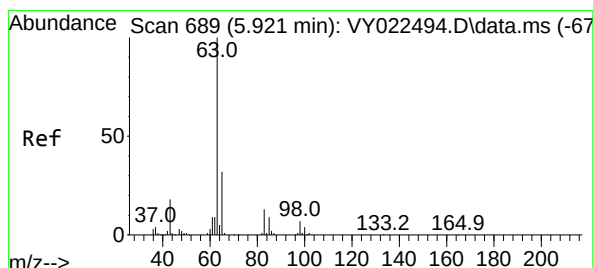
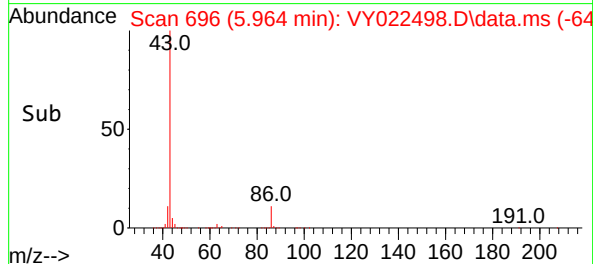
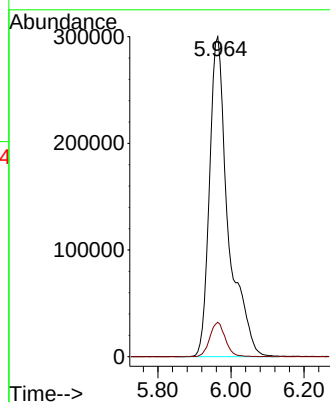
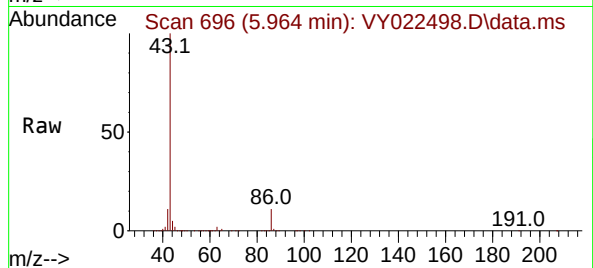
12.8

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

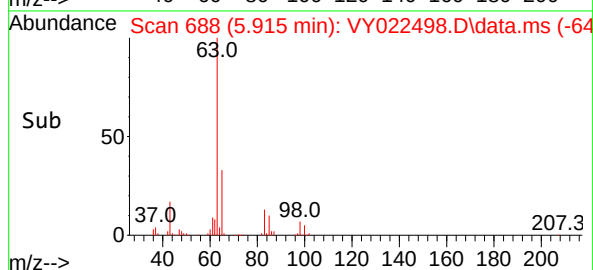
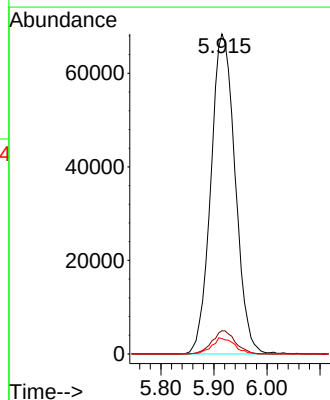
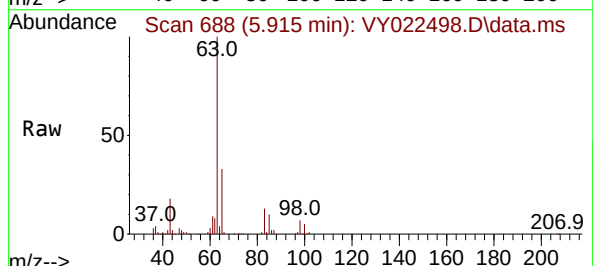
10.1

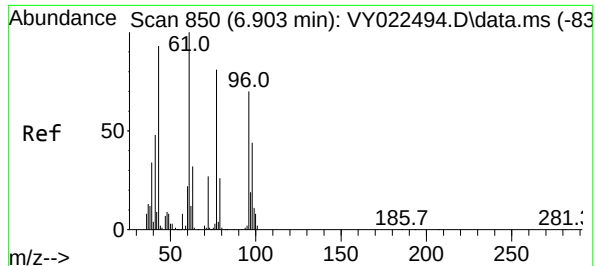
100

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

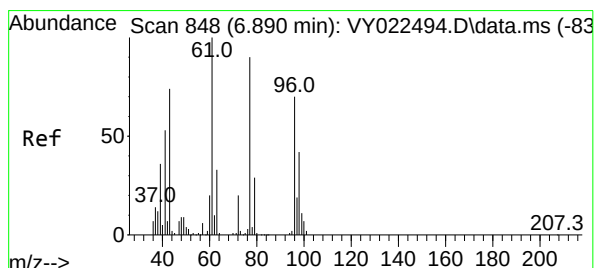
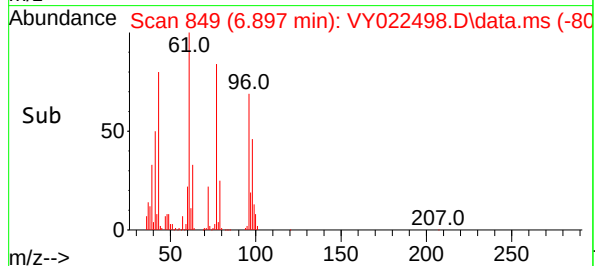
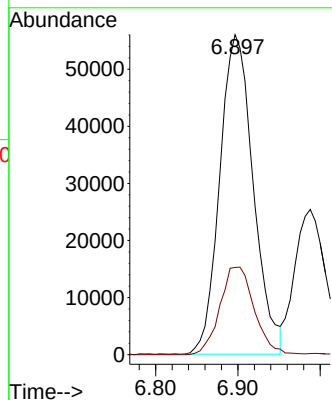
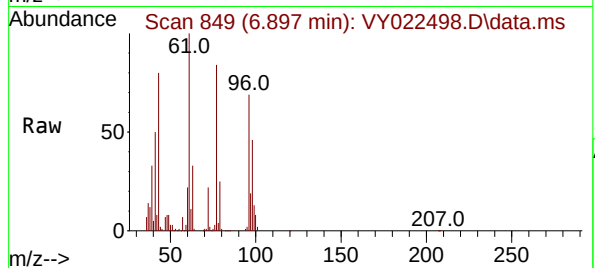
72 27.3 22.9 34.3

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

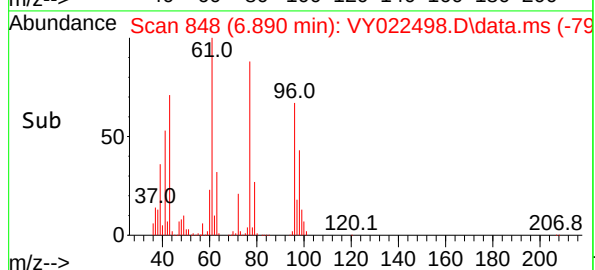
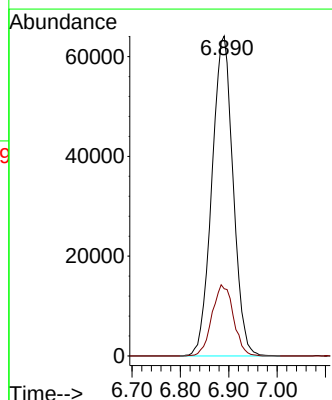
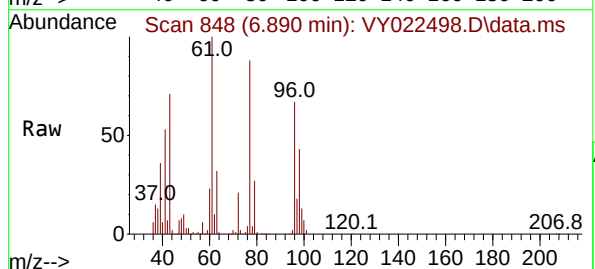
Acq: 02 Jun 2025 14:59

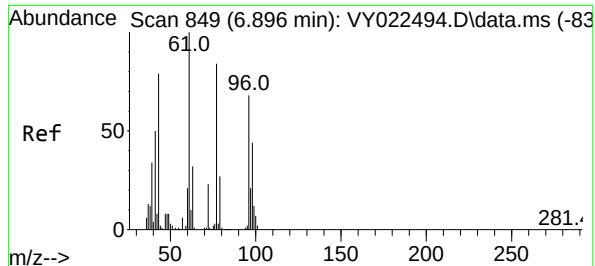
Tgt Ion: 77 Resp: 195035

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 :

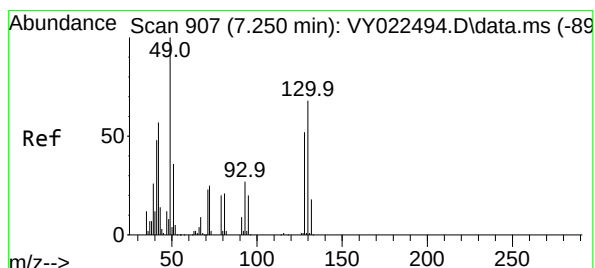
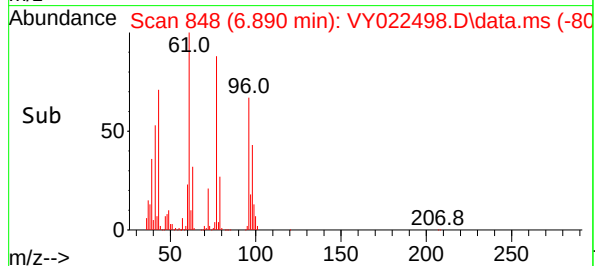
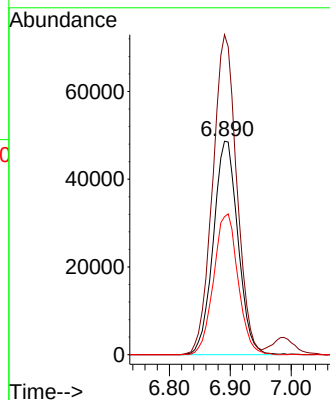
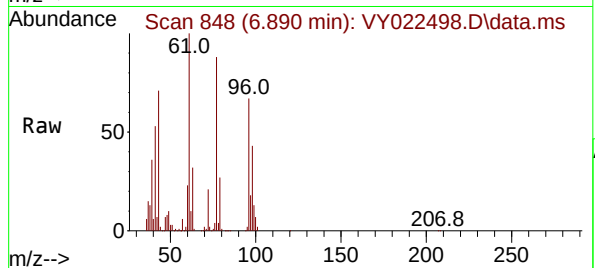
ICVVY060225

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

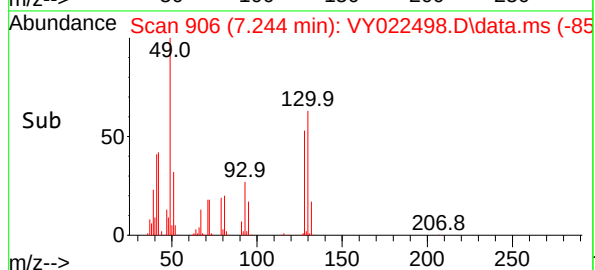
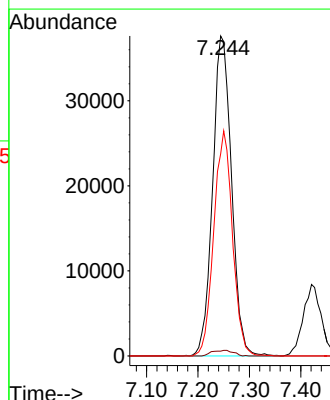
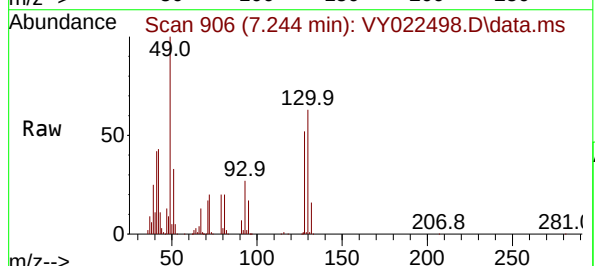
RT: 7.244 min Scan# 906

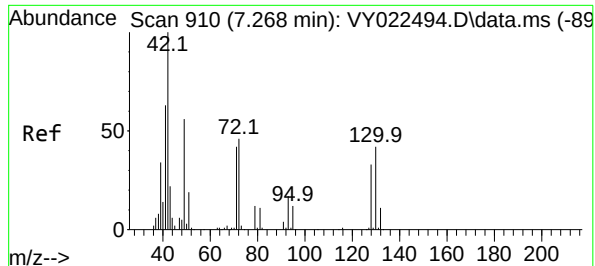
Delta R.T. -0.006 min

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 :

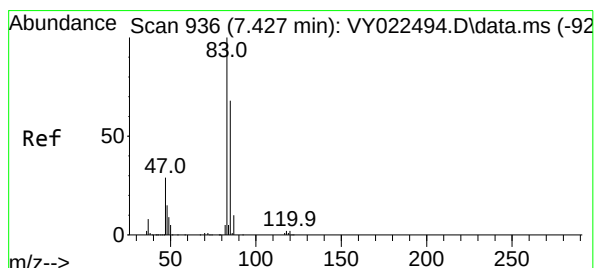
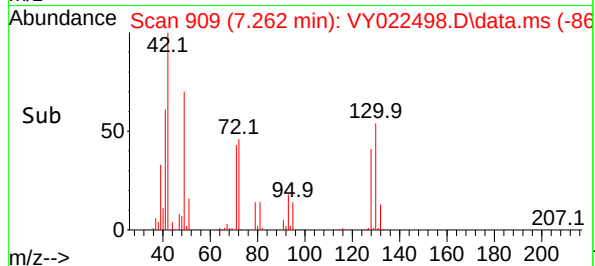
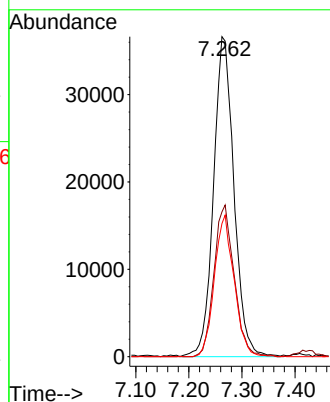
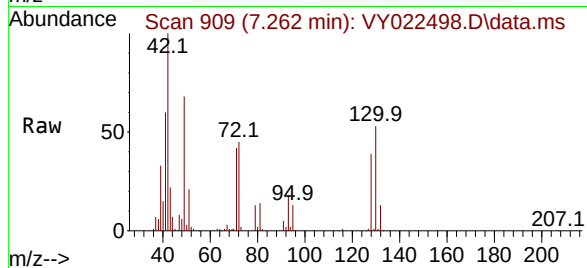
ICVY060225

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

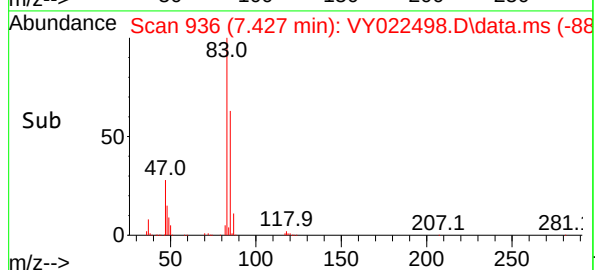
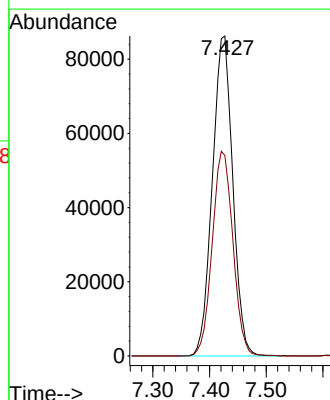
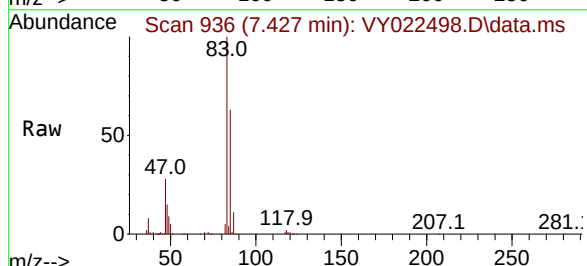
RT: 7.427 min Scan# 936

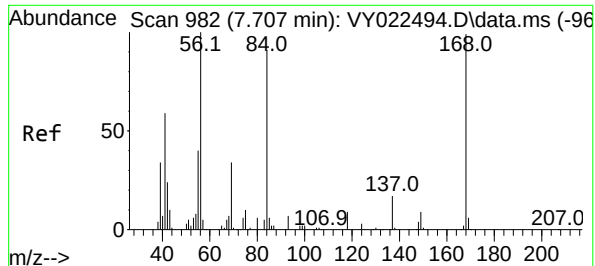
Delta R.T. 0.000 min

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

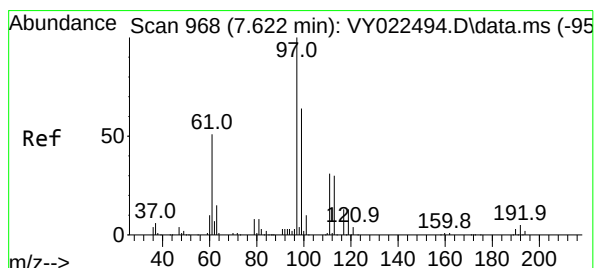
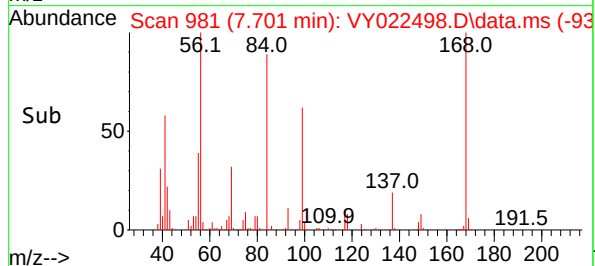
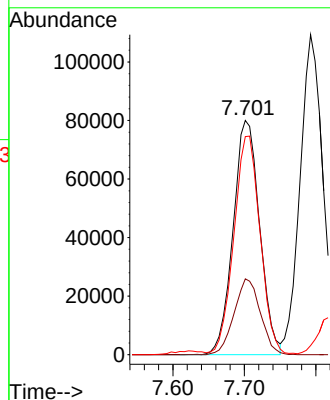
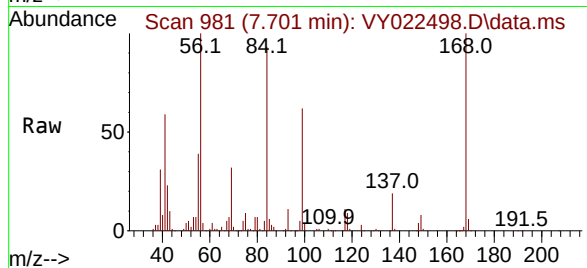
84 91.7 72.6 109.0

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

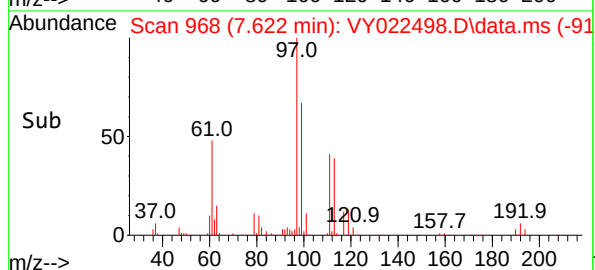
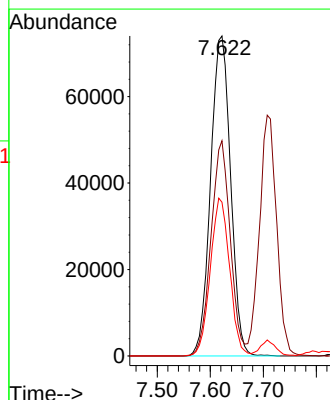
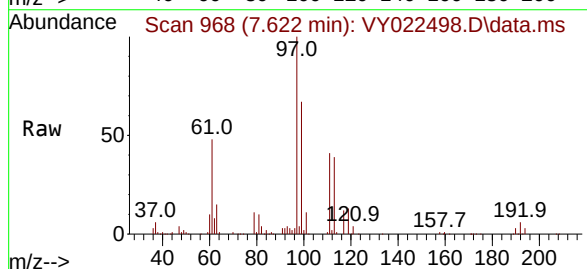
Tgt Ion: 97 Resp: 194039

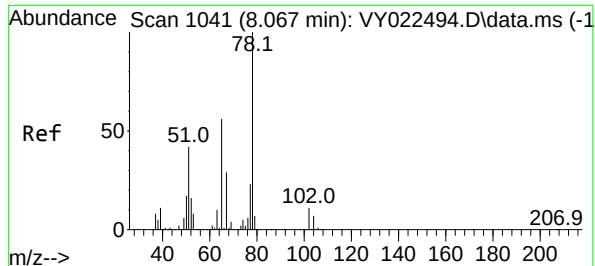
Ion Ratio Lower Upper

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

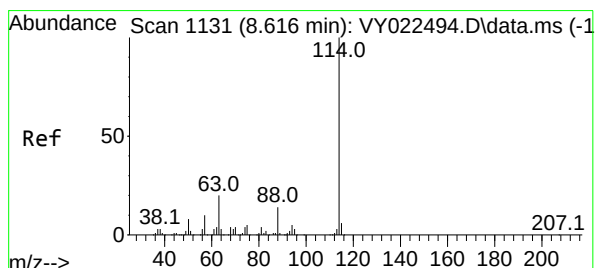
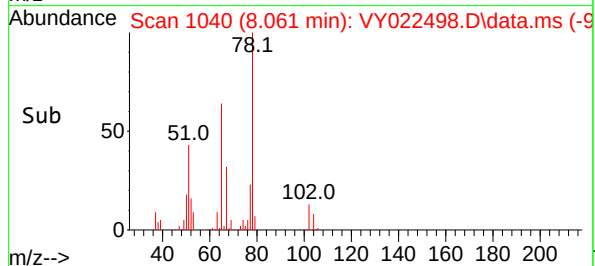
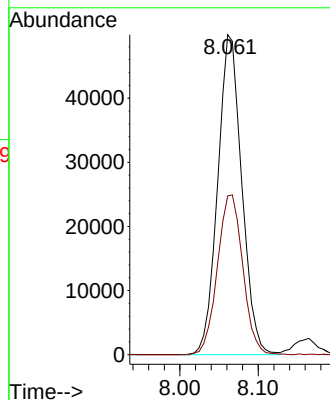
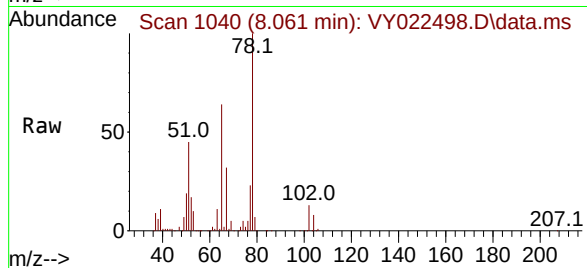
67 52.5 0.0 103.4

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

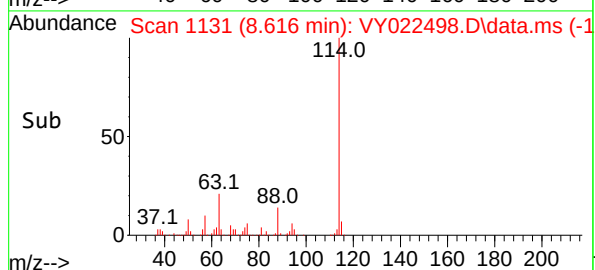
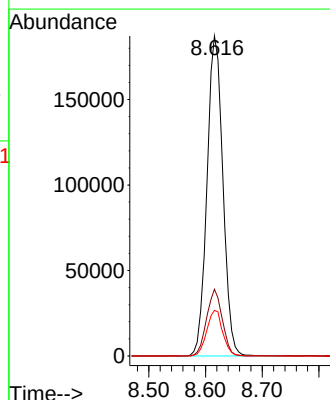
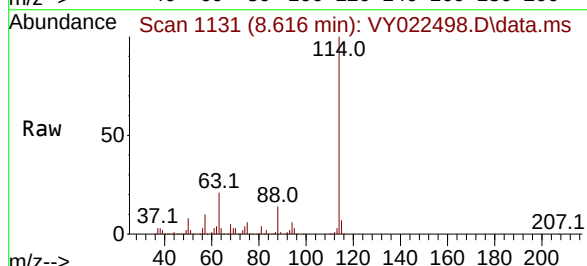
Tgt Ion:114 Resp: 365013

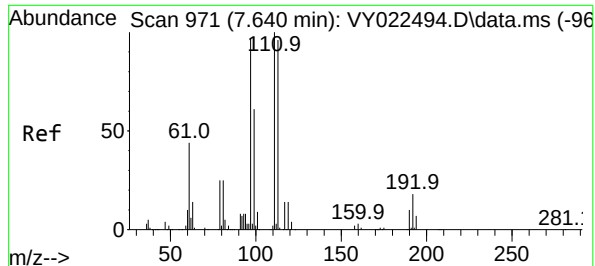
Ion Ratio Lower Upper

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

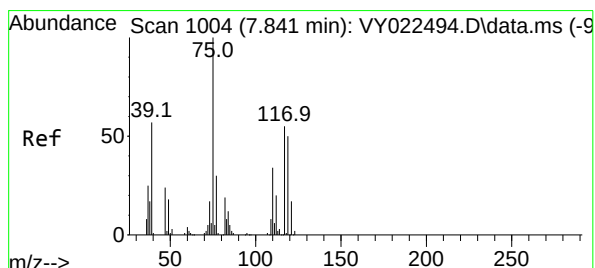
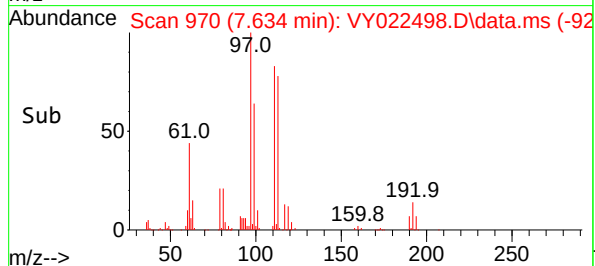
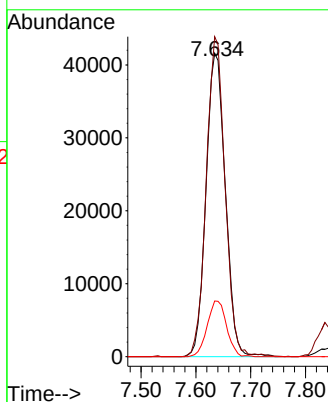
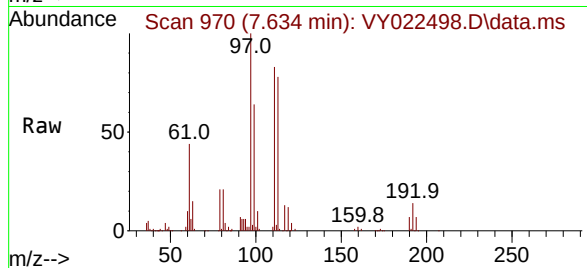
192 18.4 14.2 21.2

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

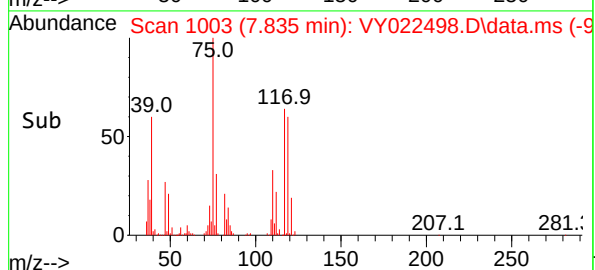
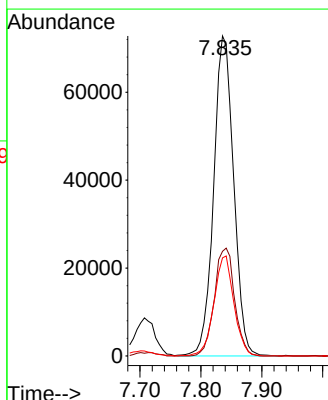
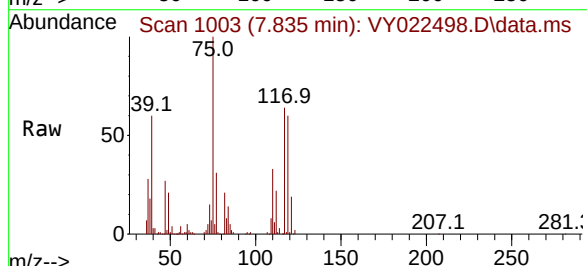
Tgt Ion: 75 Resp: 166116

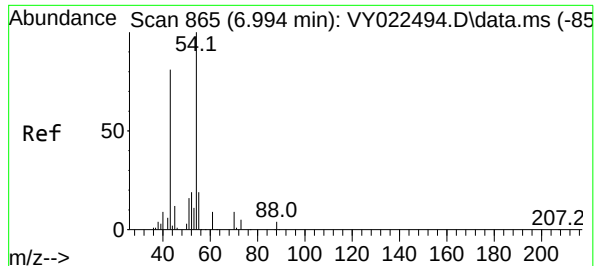
Ion Ratio Lower Upper

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

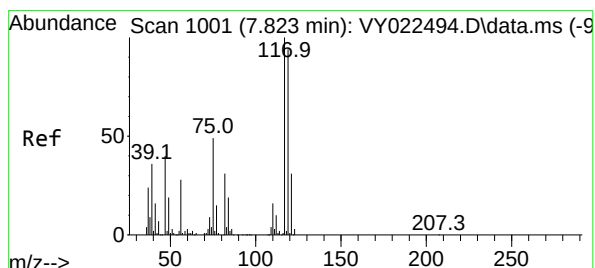
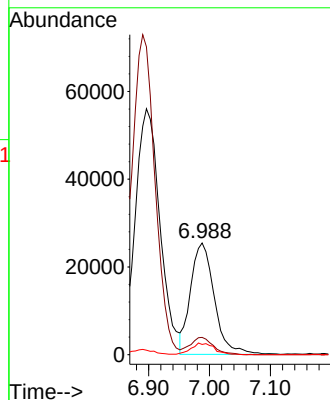
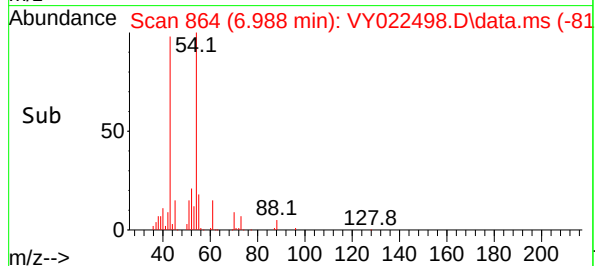
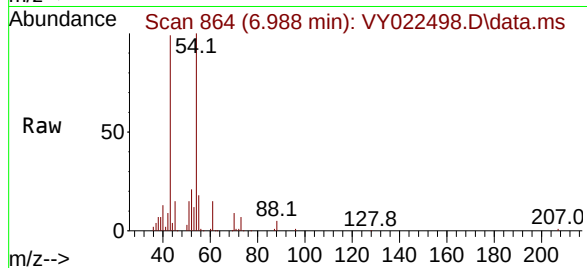
70 10.1 7.2 10.8

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

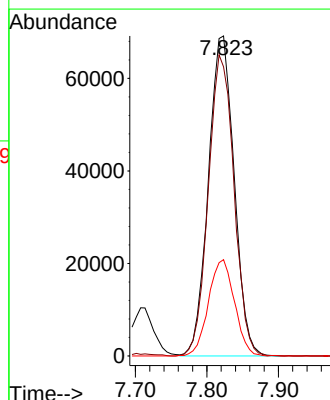
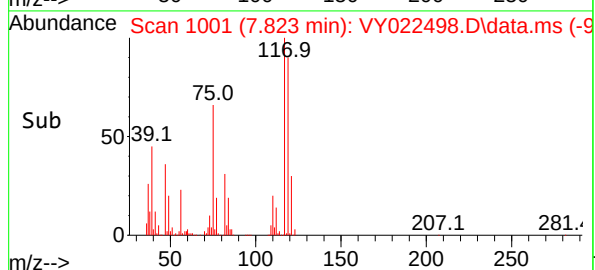
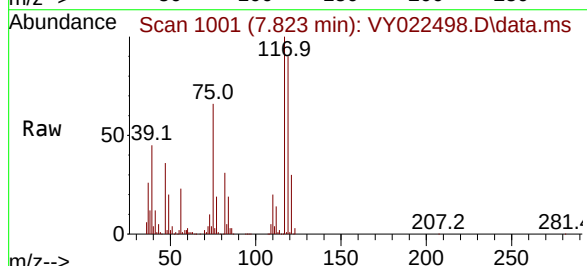
Tgt Ion:117 Resp: 173199

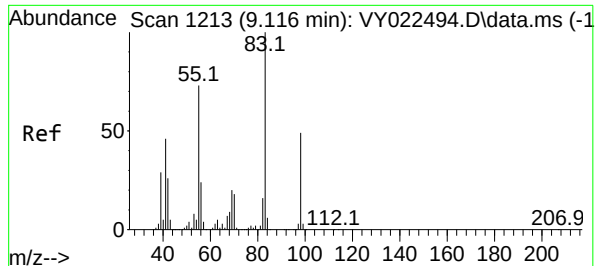
Ion Ratio Lower Upper

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

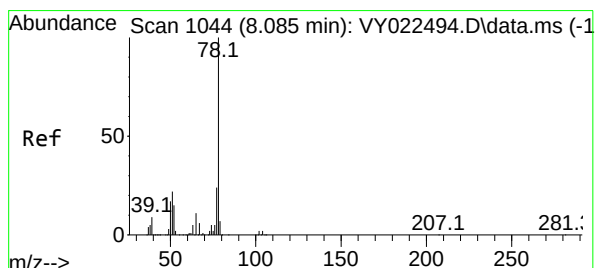
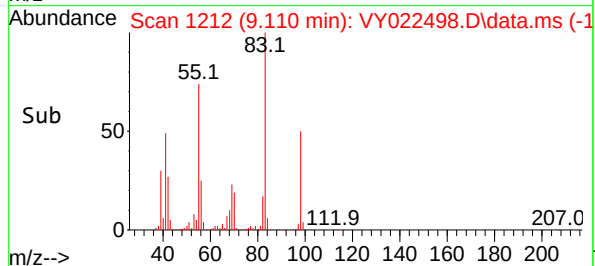
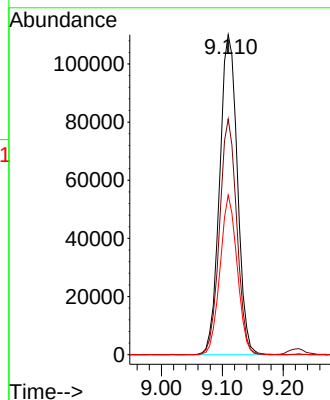
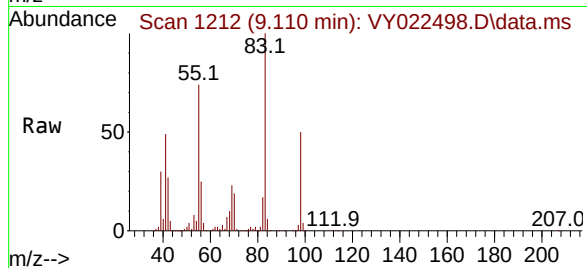
98 49.9 39.0 58.6

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

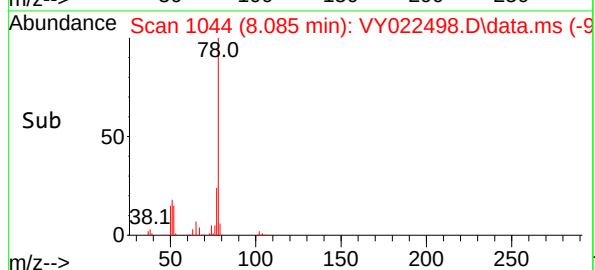
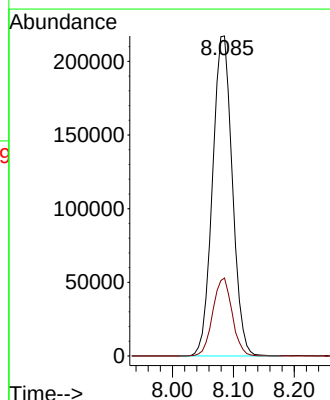
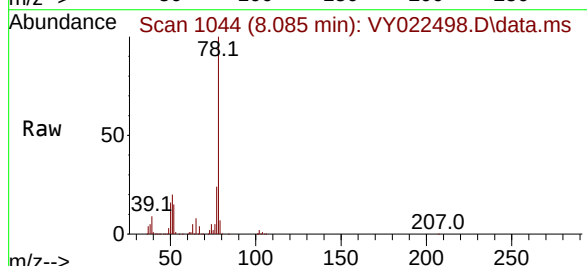
Acq: 02 Jun 2025 14:59

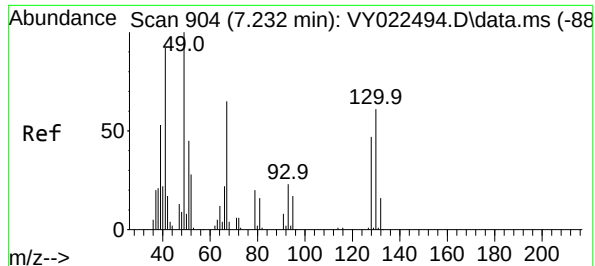
Tgt Ion: 78 Resp: 491078

Ion Ratio Lower Upper

78 100

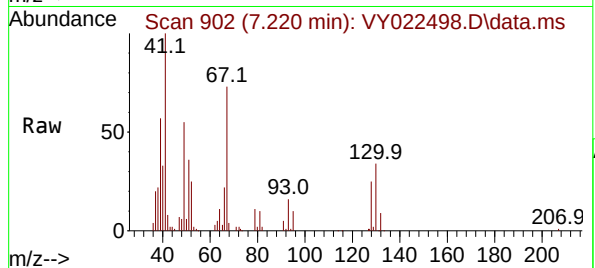
77 24.4 19.3 28.9





#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

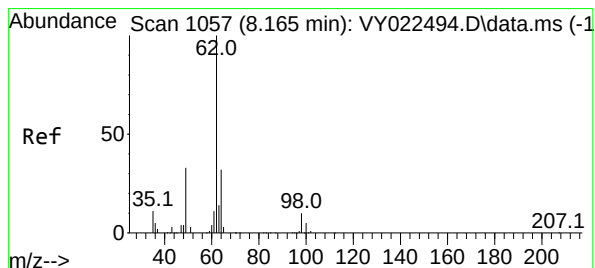
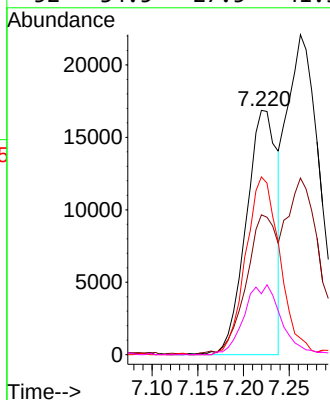
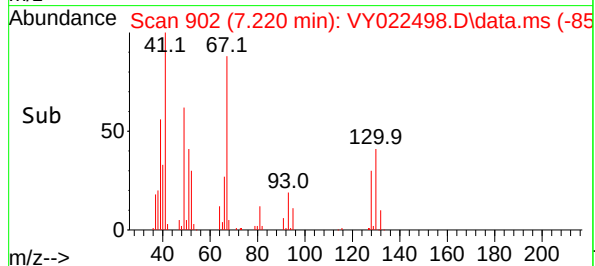
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



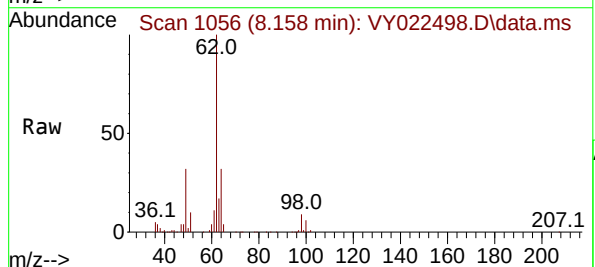
Tgt Ion: 41 Resp: 39730
Ion Ratio Lower Upper
41 100
39 57.3 46.6 69.8
67 80.2 63.3 94.9
52 34.5 27.5 41.3

Manual Integrations
APPROVED

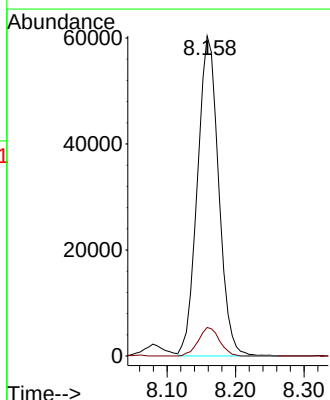
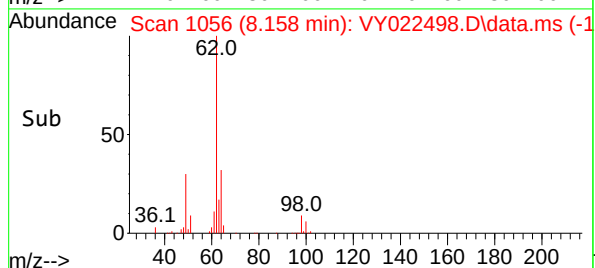
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

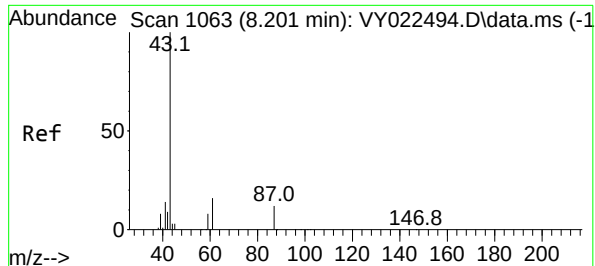


#42
1,2-Dichloroethane
Concen: 45.644 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



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

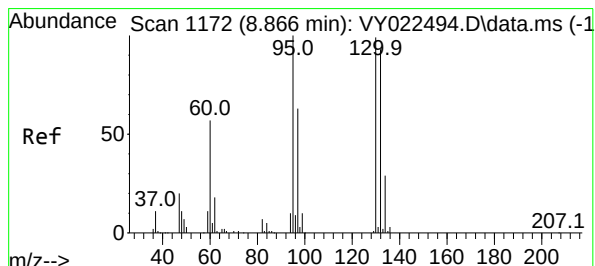
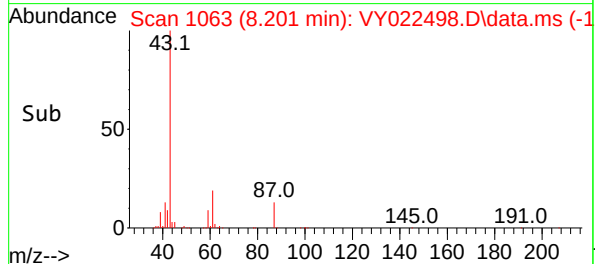
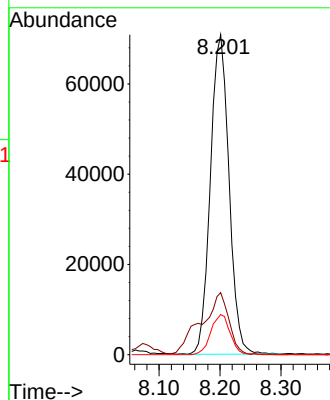
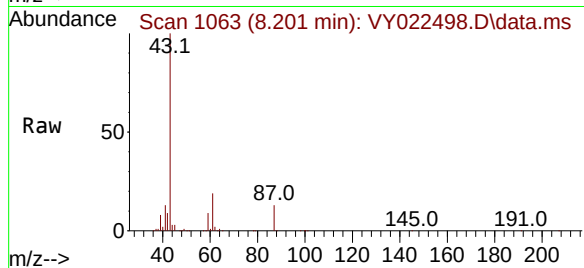
87 13.0 10.2 15.4

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

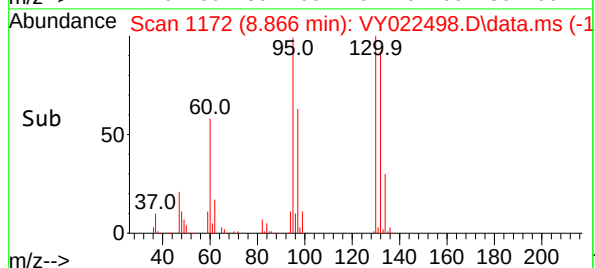
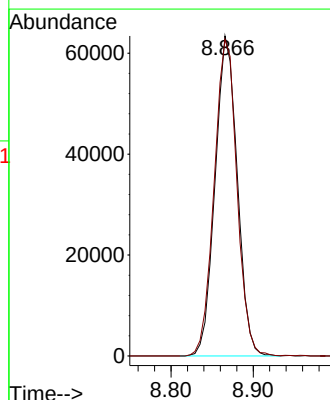
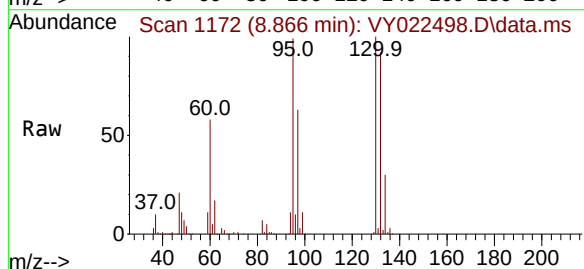
Acq: 02 Jun 2025 14:59

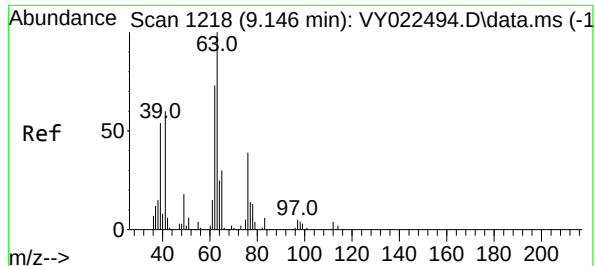
Tgt Ion:130 Resp: 118971

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

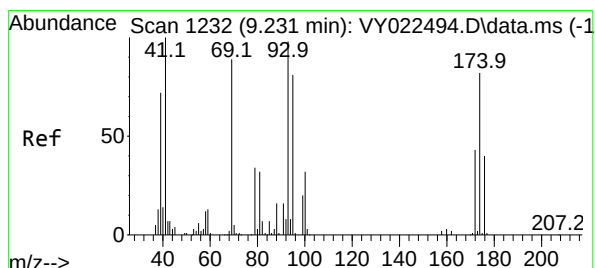
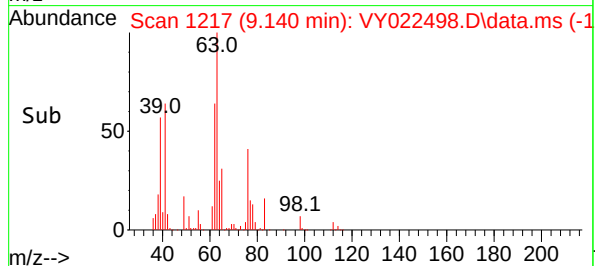
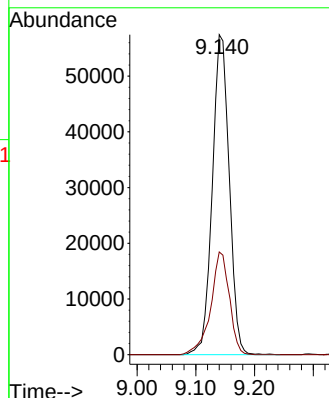
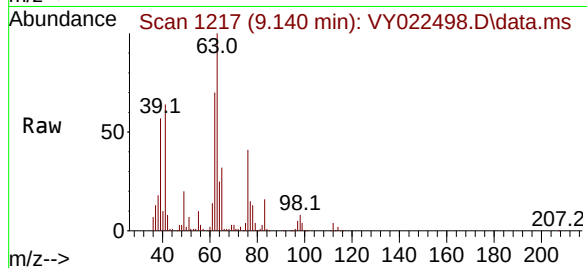
65 32.1 24.0 36.0

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

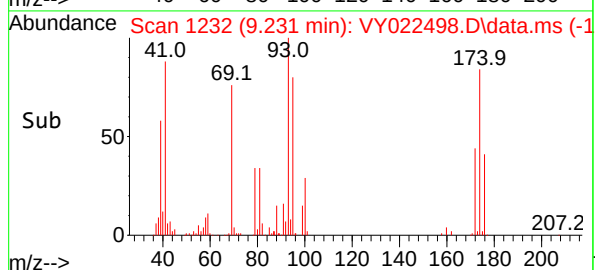
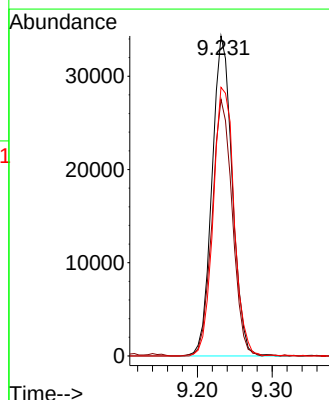
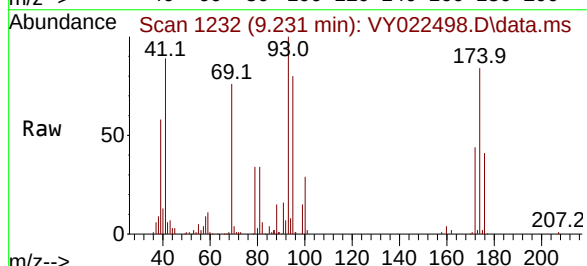
Tgt Ion: 93 Resp: 64473

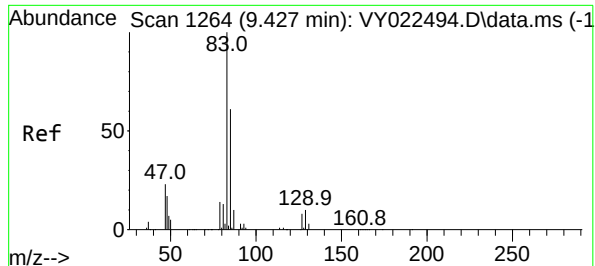
Ion Ratio Lower Upper

93 100

95 80.2 65.6 98.4

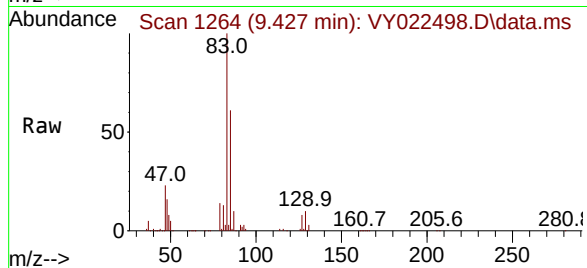
174 86.4 70.4 105.6





#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

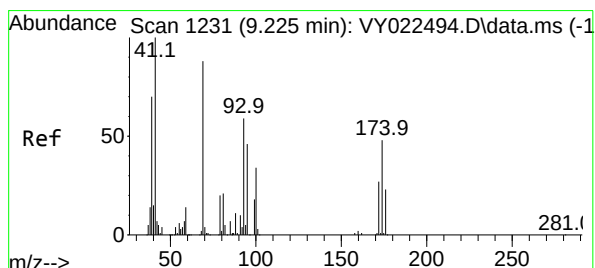
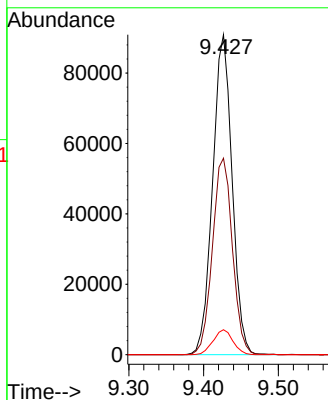
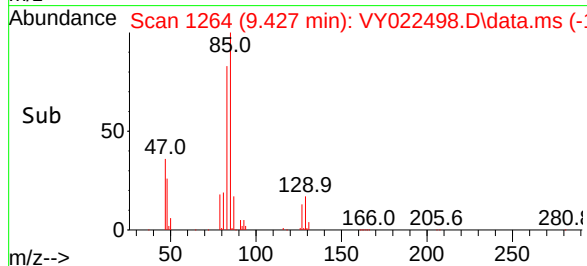
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion: 83 Resp: 164872
Ion Ratio Lower Upper
83 100
85 61.4 49.1 73.7
127 7.8 6.2 9.4

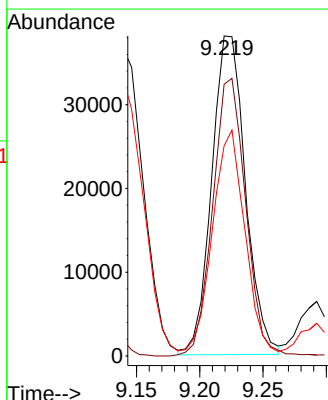
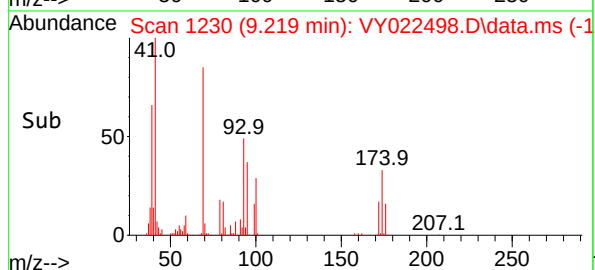
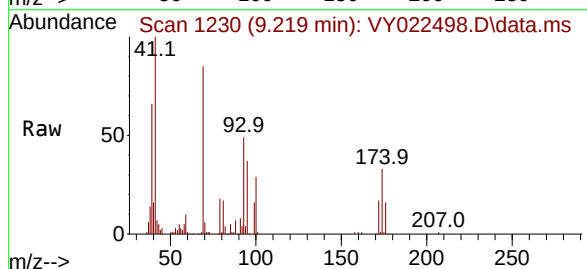
Manual Integrations
APPROVED

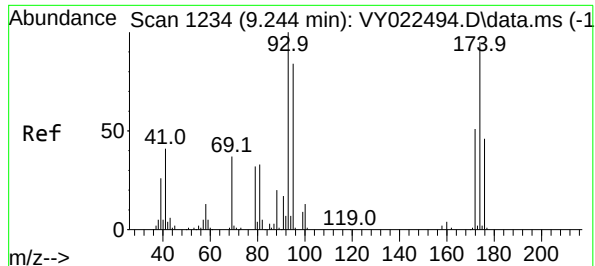
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

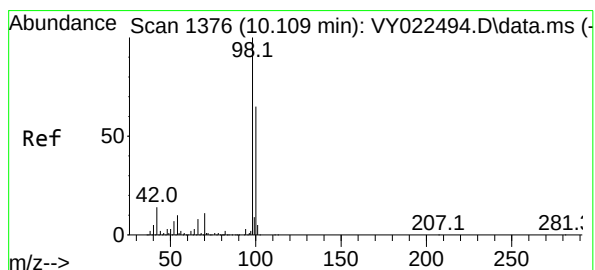
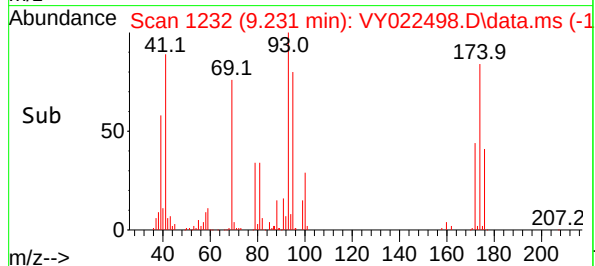
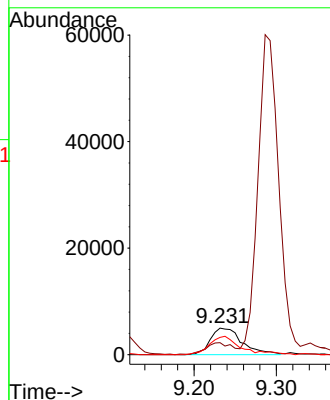
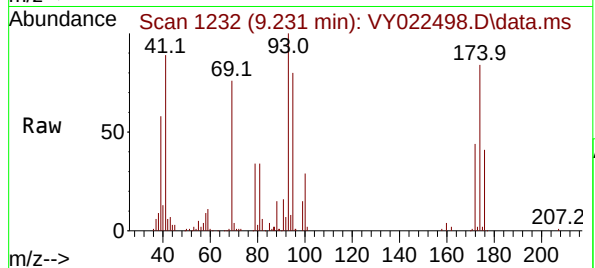
58 67.7 54.9 82.3

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

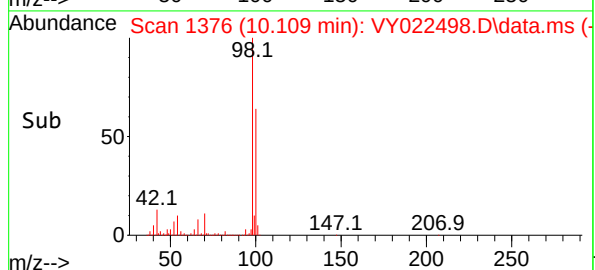
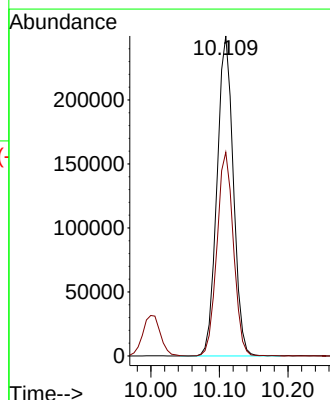
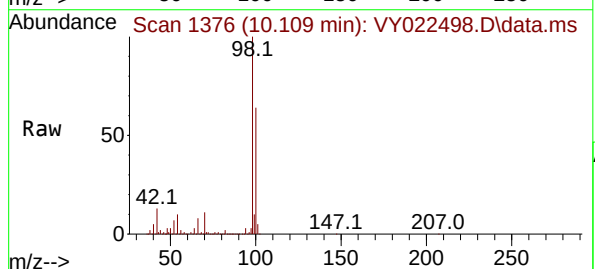
Acq: 02 Jun 2025 14:59

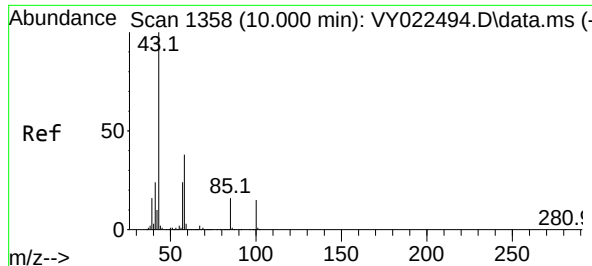
Tgt Ion: 98 Resp: 411640

Ion Ratio Lower Upper

98 100

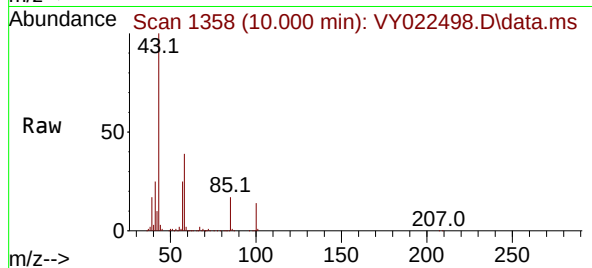
100 64.2 51.4 77.0





#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

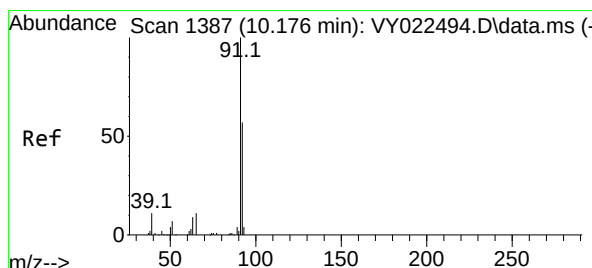
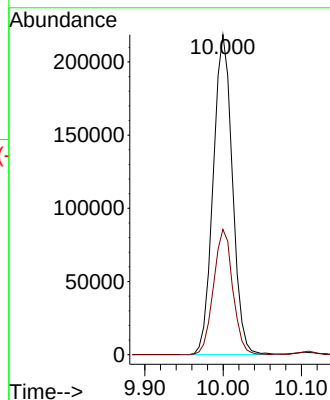
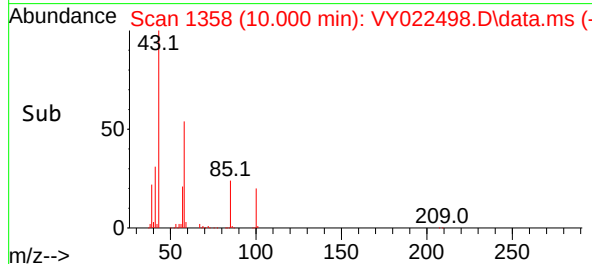
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion: 43 Resp: 372270
Ion Ratio Lower Upper
43 100
58 39.2 30.4 45.6

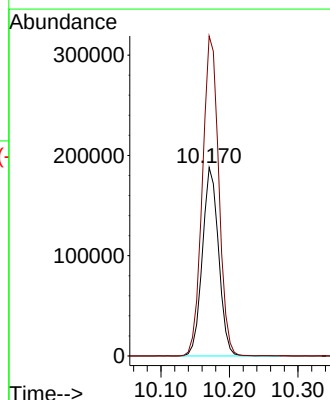
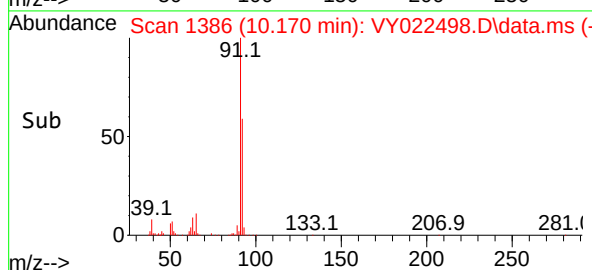
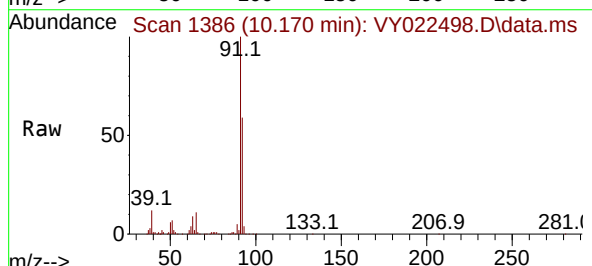
Manual Integrations
APPROVED

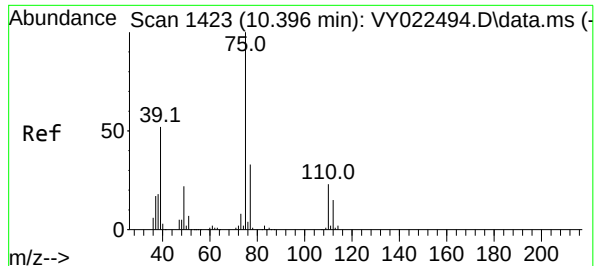
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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





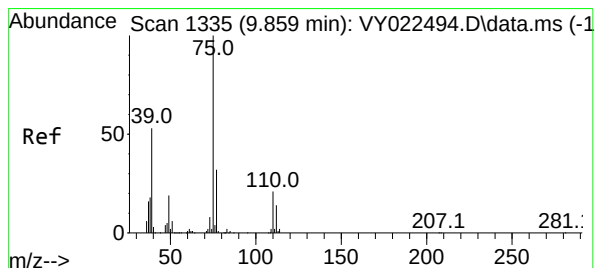
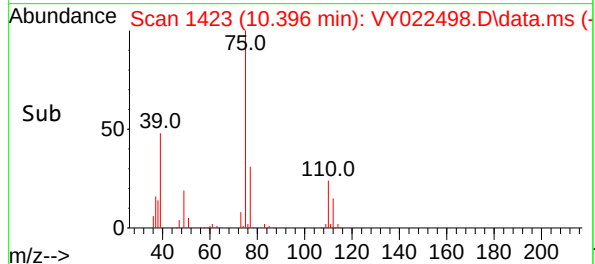
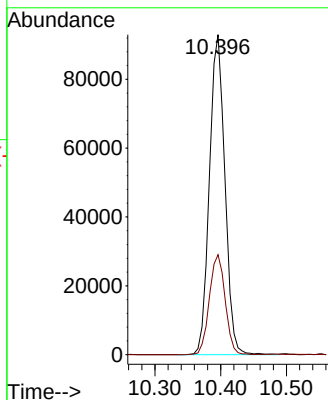
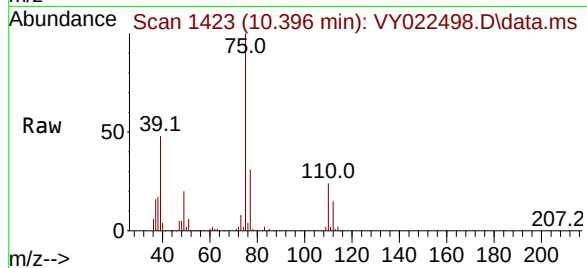
#53
t-1,3-Dichloropropene
Concen: 46.094 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225

Tgt Ion: 75 Resp: 152060
Ion Ratio Lower Upper
75 100
77 31.2 26.5 39.7

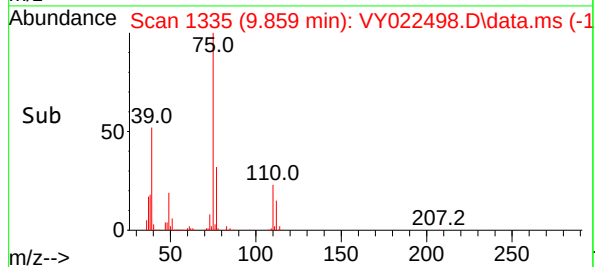
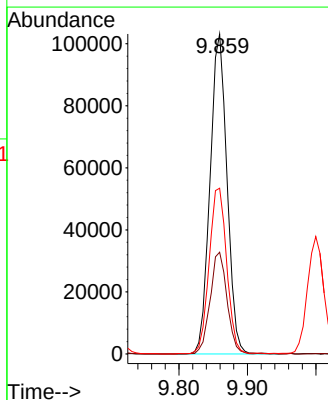
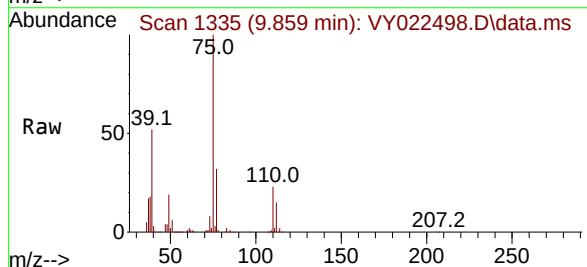
Manual Integrations
APPROVED

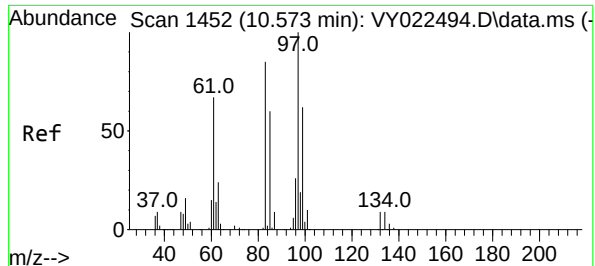
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

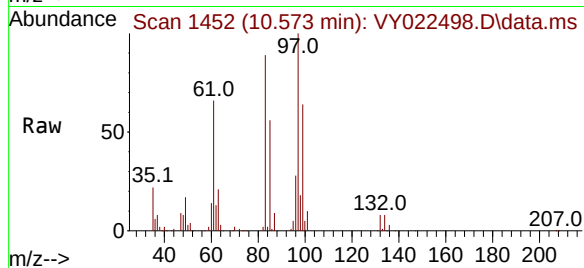
Tgt Ion: 75 Resp: 177445
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9
39 51.6 42.7 64.1





#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

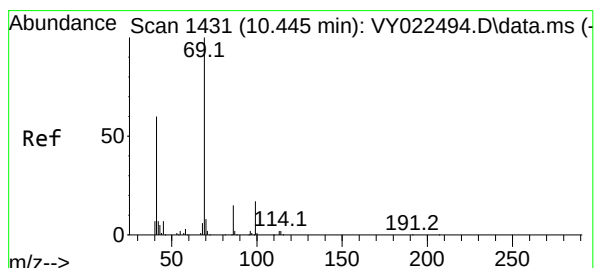
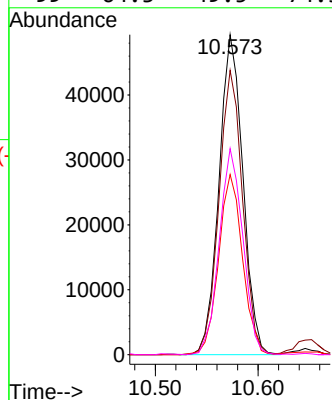
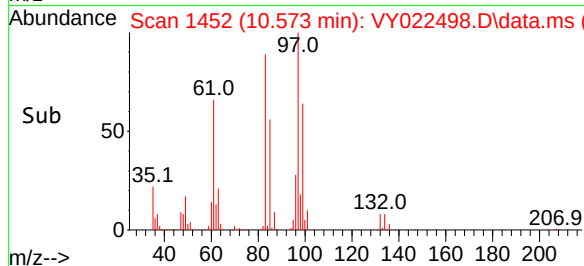
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



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

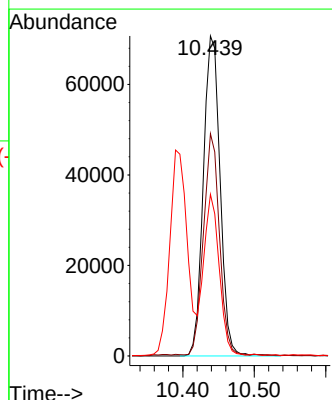
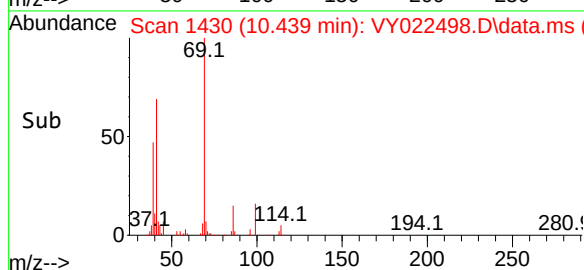
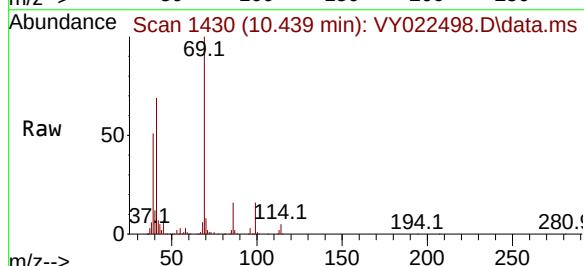
Manual Integrations
APPROVED

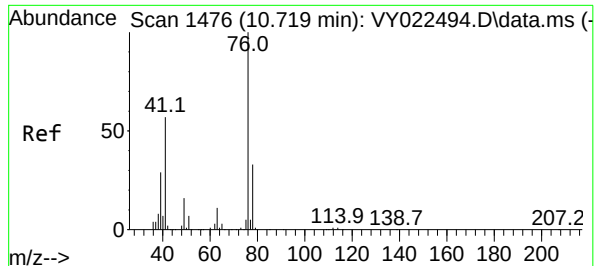
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

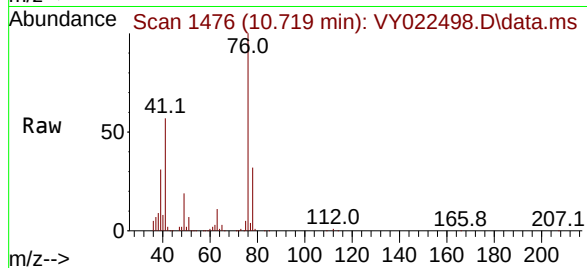
Tgt Ion: 69 Resp: 115237
Ion Ratio Lower Upper
69 100
41 65.8 52.2 78.2
39 45.6 36.7 55.1





#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

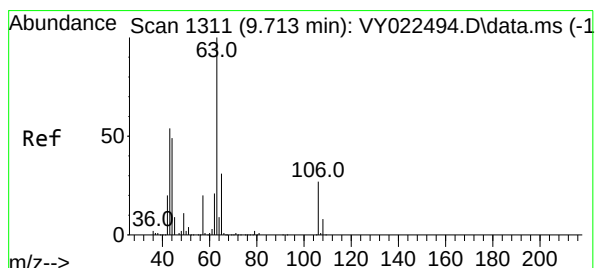
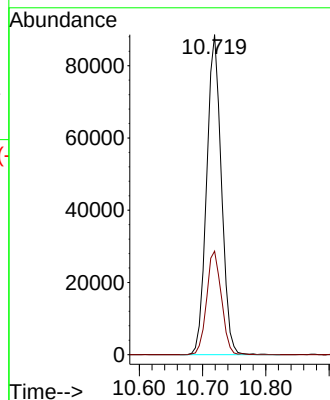
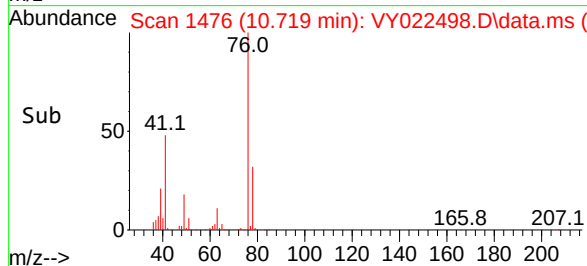
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion: 76 Resp: 14340
Ion Ratio Lower Upper
76 100
78 32.5 25.8 38.8

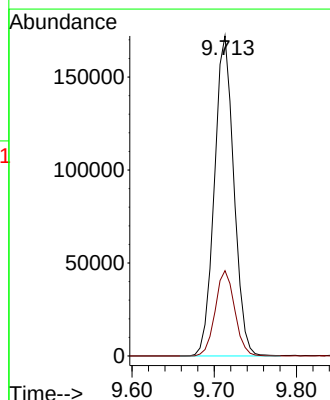
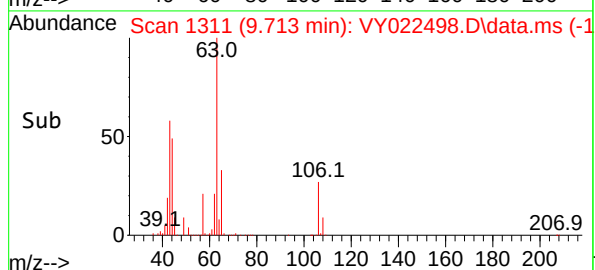
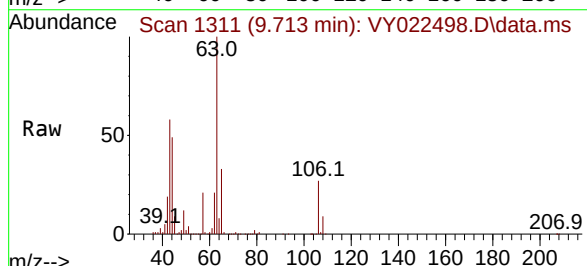
Manual Integrations
APPROVED

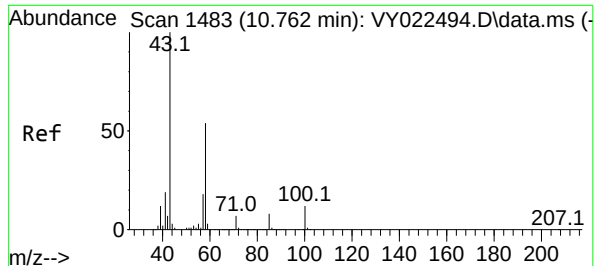
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

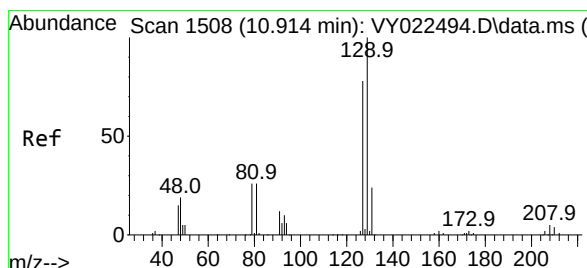
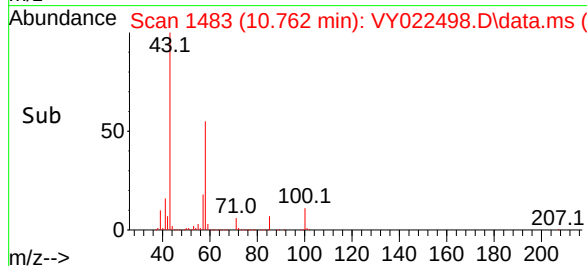
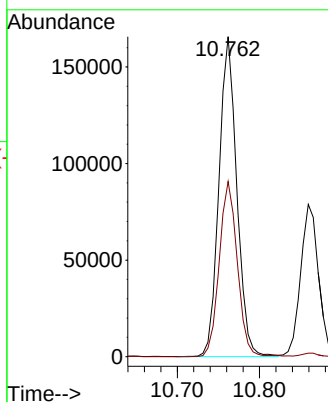
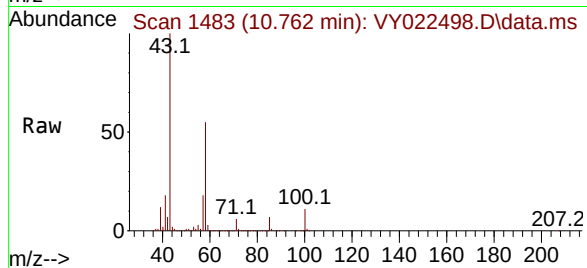
58 55.5 27.3 81.8

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

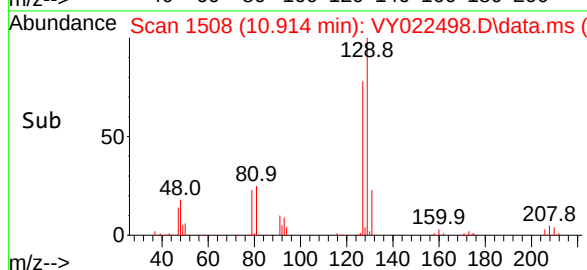
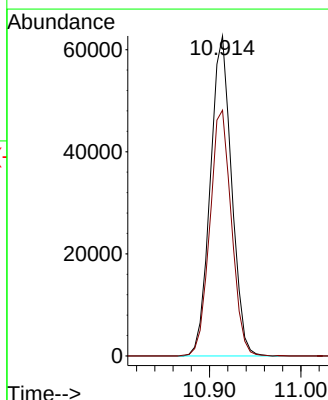
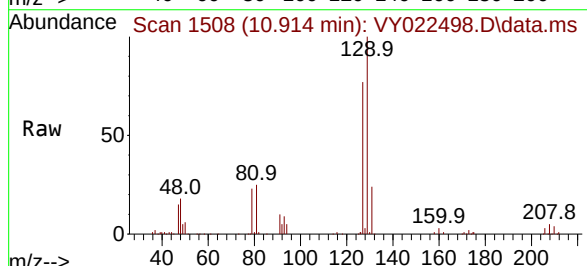
Acq: 02 Jun 2025 14:59

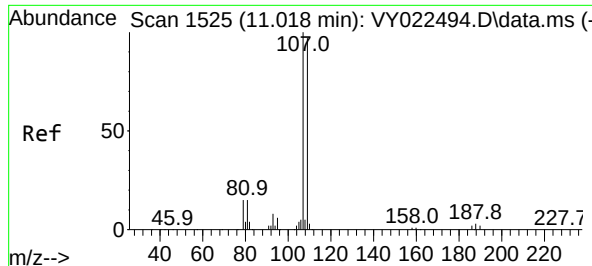
Tgt Ion:129 Resp: 101515

Ion Ratio Lower Upper

129 100

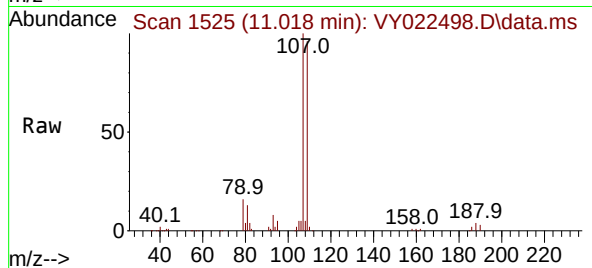
127 77.7 39.1 117.2





#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

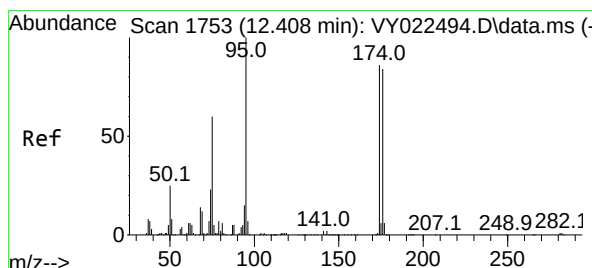
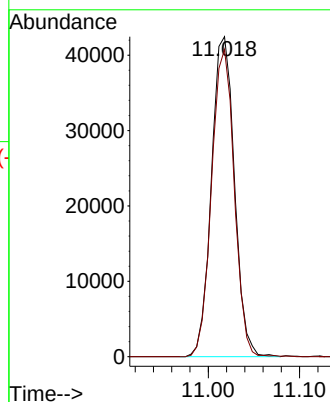
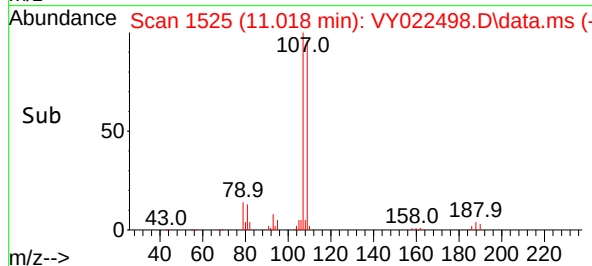
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



Tgt Ion:107 Resp: 7417
Ion Ratio Lower Upper
107 100
109 94.5 77.7 116.5

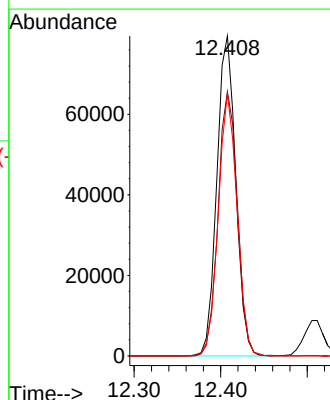
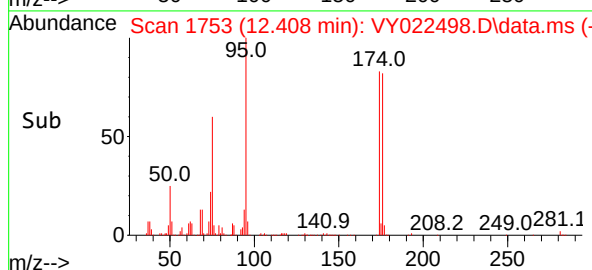
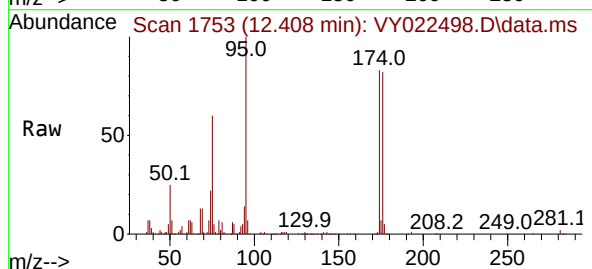
Manual Integrations
APPROVED

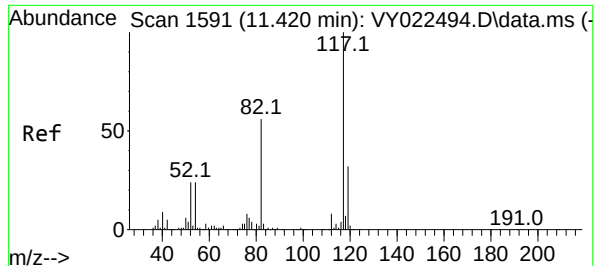
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

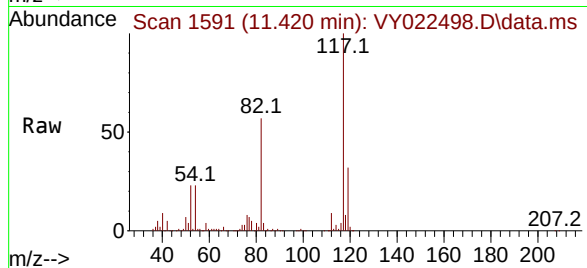
Tgt Ion: 95 Resp: 120253
Ion Ratio Lower Upper
95 100
174 84.2 0.0 170.0
176 81.5 0.0 166.2





#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

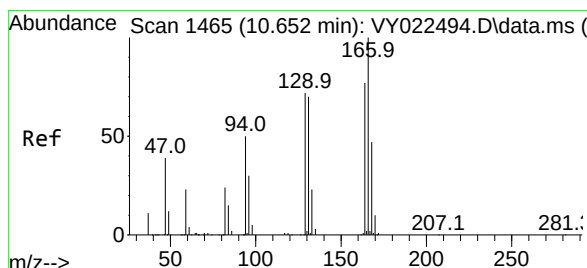
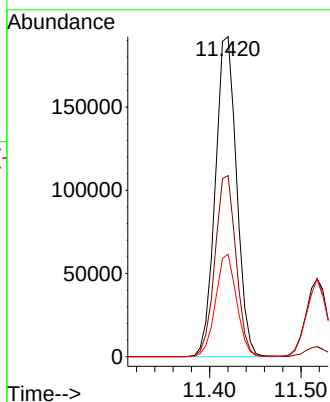
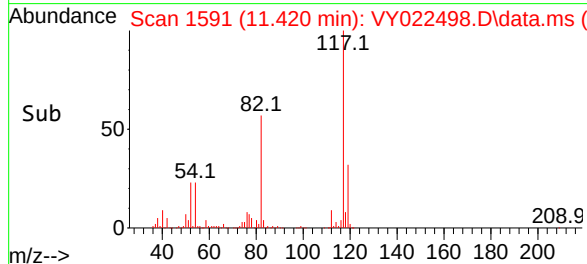
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



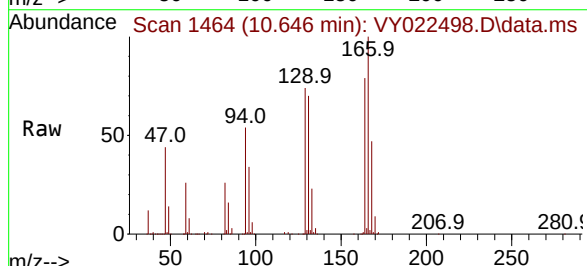
Tgt Ion:117 Resp: 31226
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 32.0 25.4 38.0

Manual Integrations
APPROVED

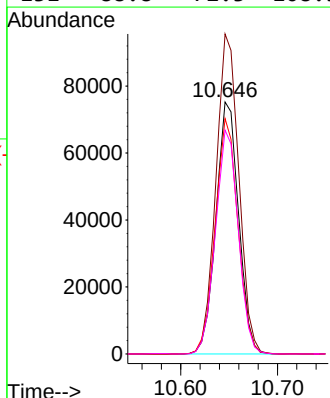
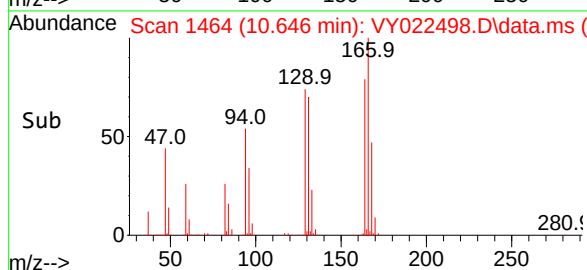
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

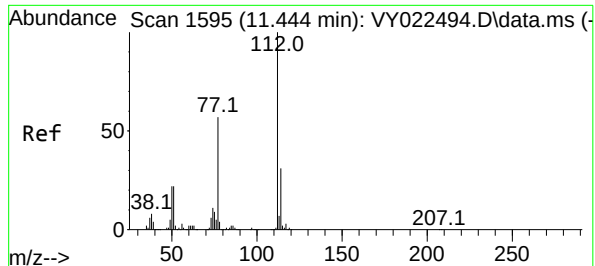


#64
Tetrachloroethene
Concen: 45.398 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



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

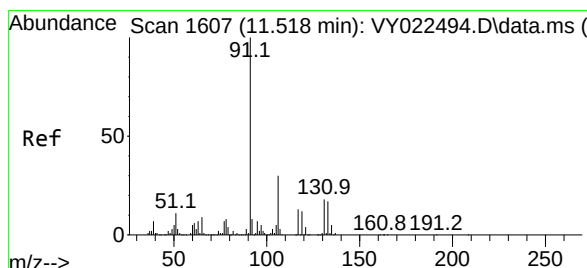
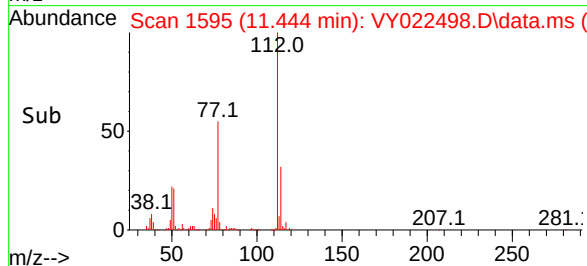
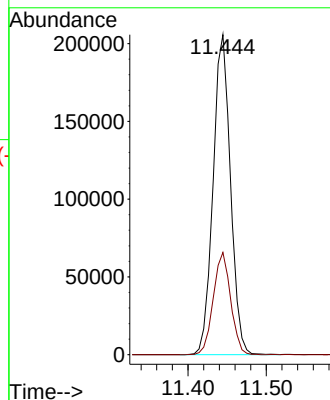
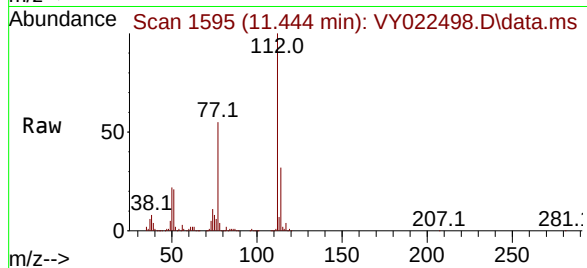
114 32.0 25.0 37.6

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

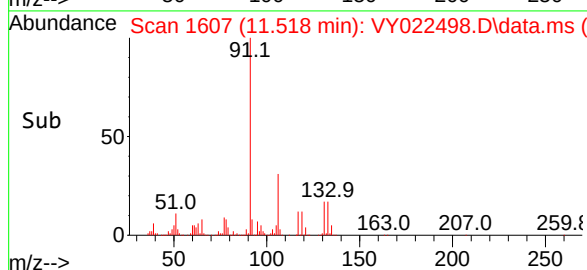
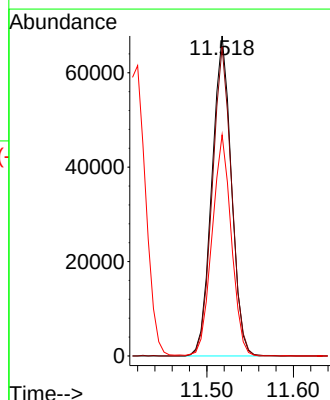
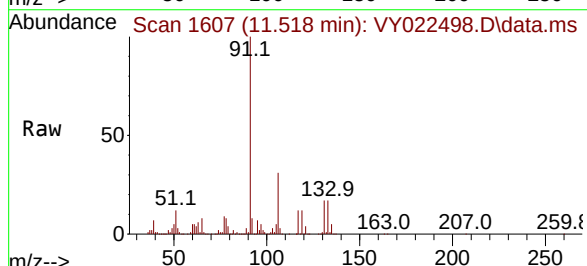
Tgt Ion:131 Resp: 105830

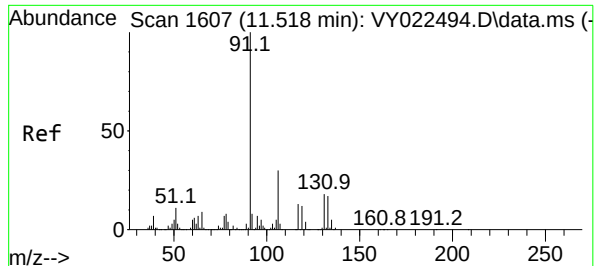
Ion Ratio Lower Upper

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

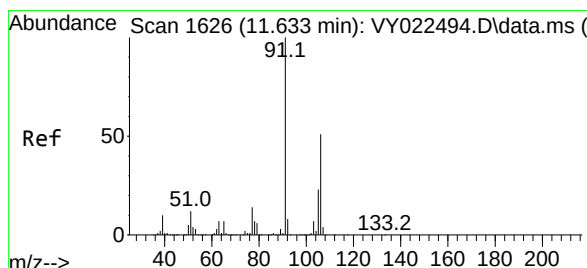
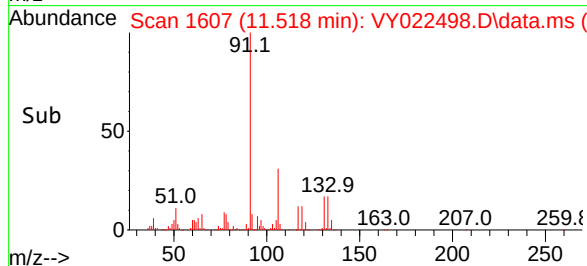
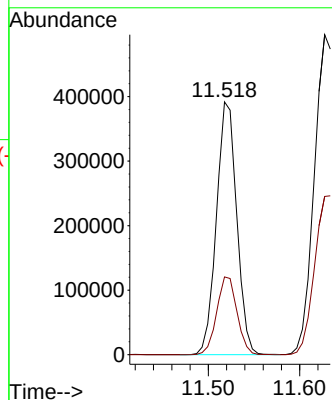
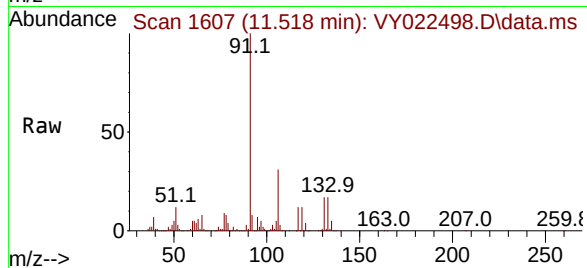
106 30.8 24.2 36.4

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

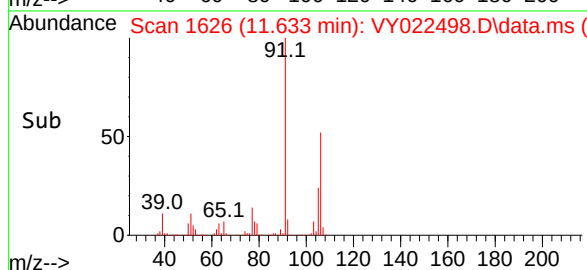
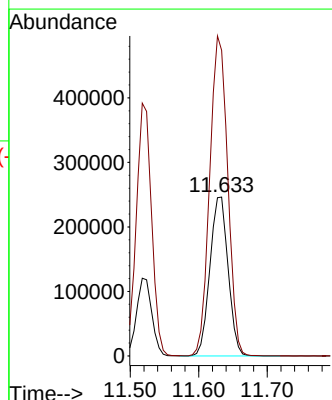
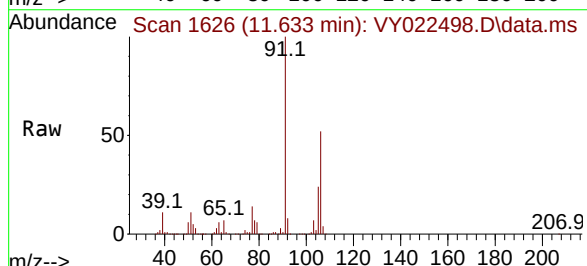
Acq: 02 Jun 2025 14:59

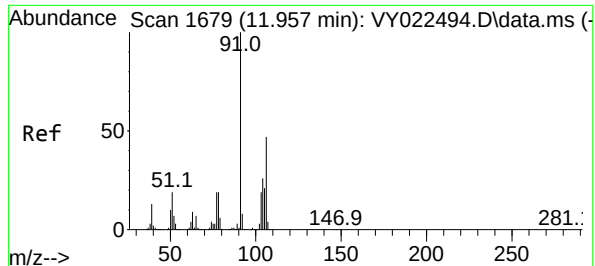
Tgt Ion:106 Resp: 454148

Ion Ratio Lower Upper

106 100

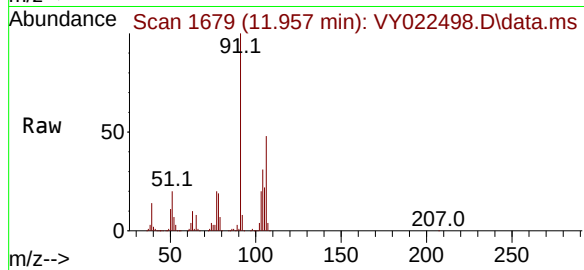
91 199.5 159.4 239.0





#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

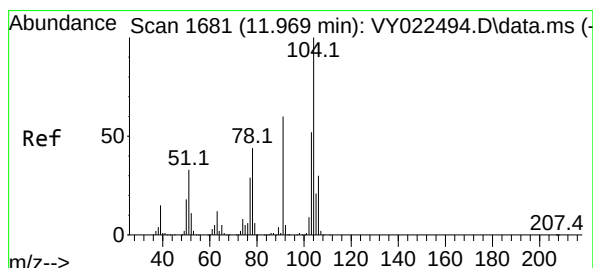
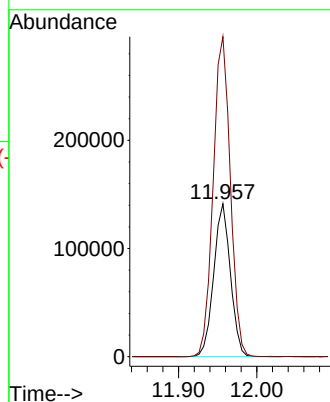
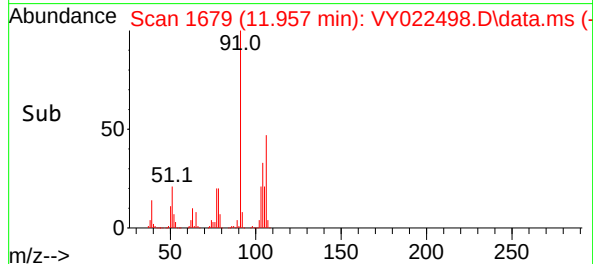
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



Tgt Ion:106 Resp: 209354
Ion Ratio Lower Upper
106 100
91 214.9 105.8 317.3

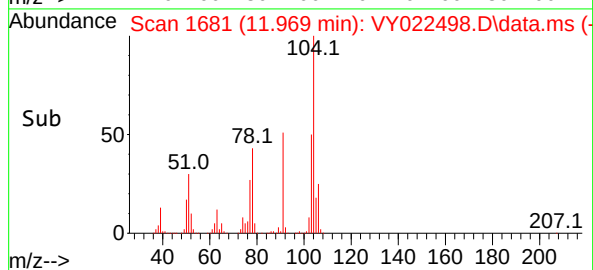
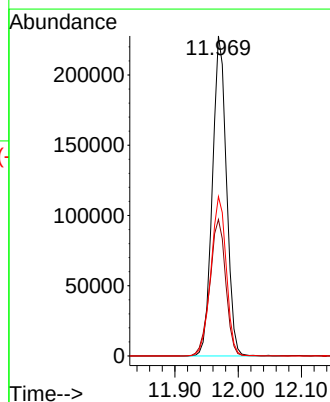
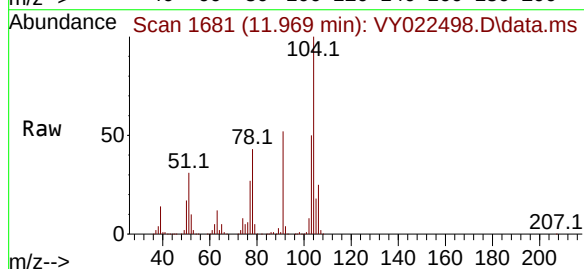
Manual Integrations
APPROVED

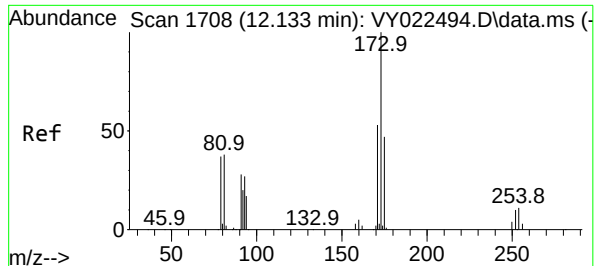
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

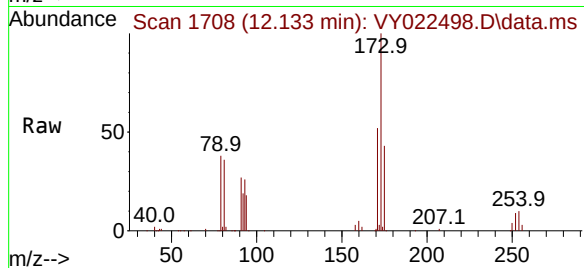
Tgt Ion:104 Resp: 352505
Ion Ratio Lower Upper
104 100
78 48.0 39.5 59.3
103 54.4 44.1 66.1





#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

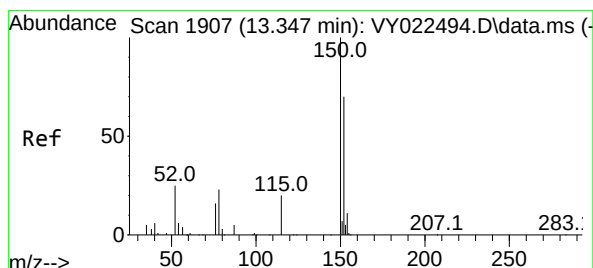
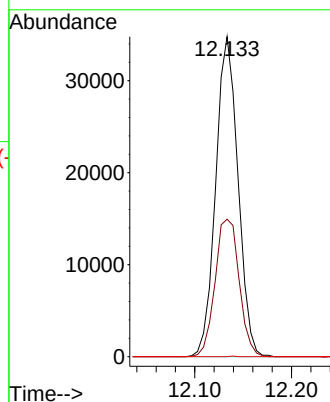
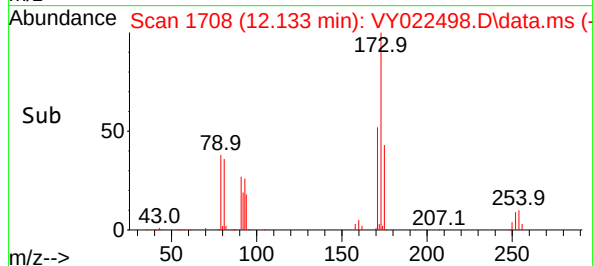
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



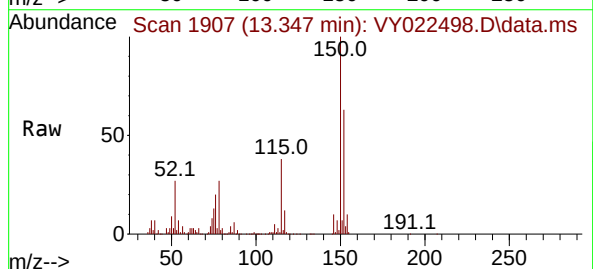
Tgt Ion:173 Resp: 5555
Ion Ratio Lower Upper
173 100
175 46.5 23.8 71.5
254 0.0 0.0 0.0

Manual Integrations
APPROVED

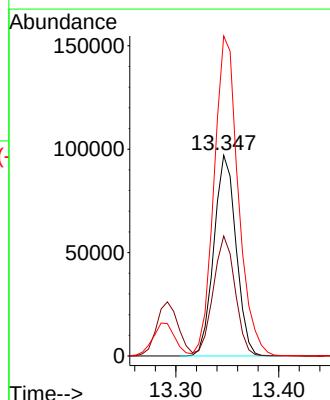
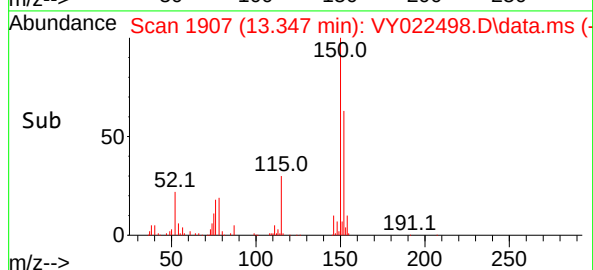
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

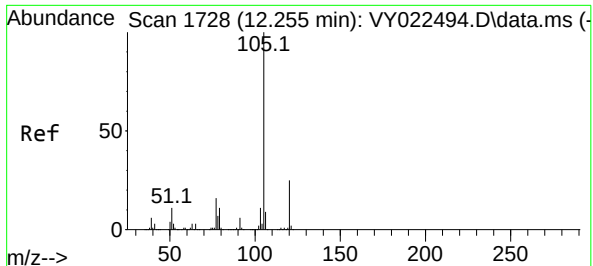


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



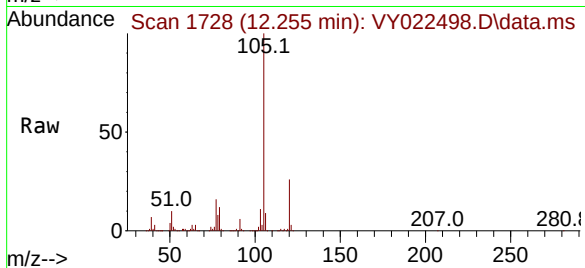
Tgt Ion:152 Resp: 145254
Ion Ratio Lower Upper
152 100
115 59.1 28.9 86.7
150 174.0 0.0 349.6





#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

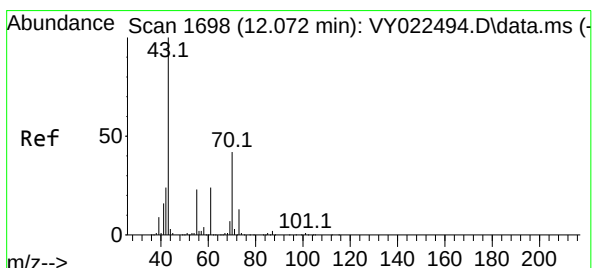
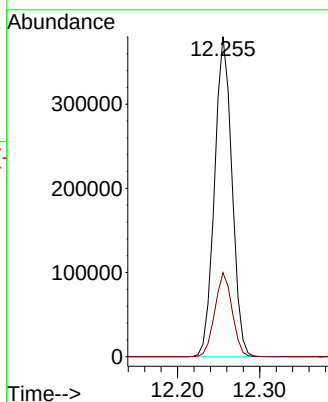
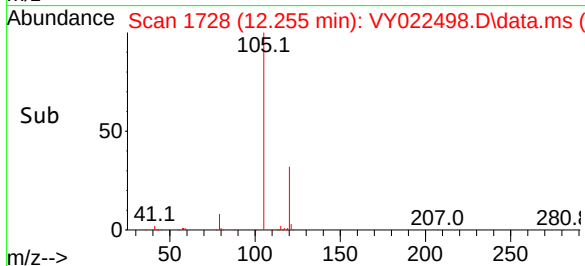
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



Tgt Ion:105 Resp: 559690
Ion Ratio Lower Upper
105 100
120 26.1 13.0 38.9

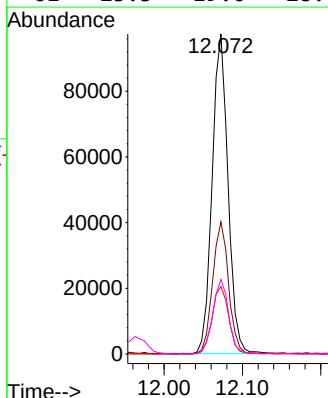
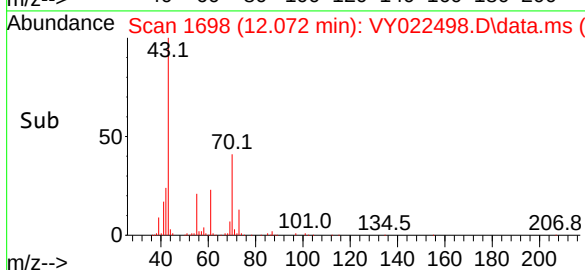
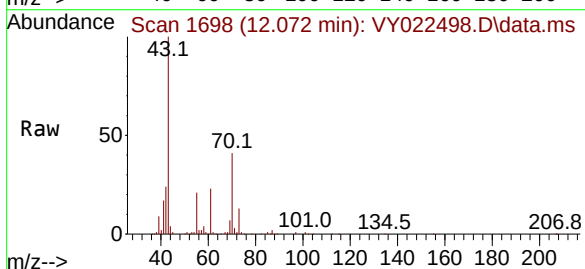
Manual Integrations
APPROVED

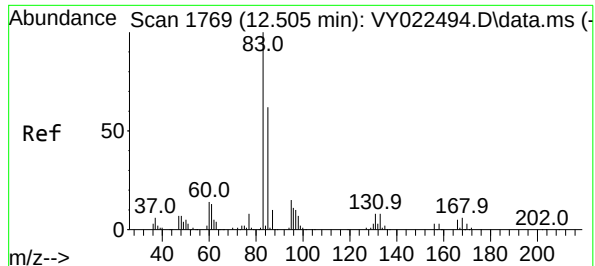
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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 :

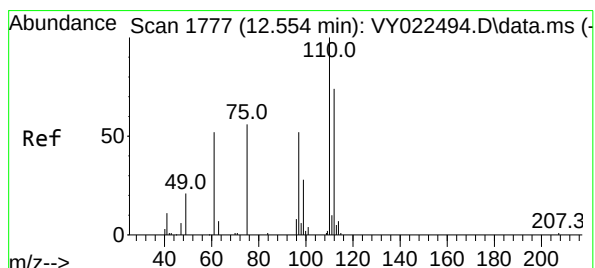
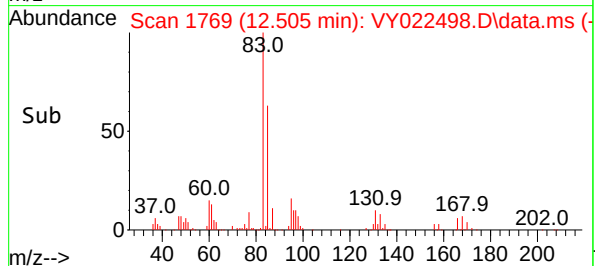
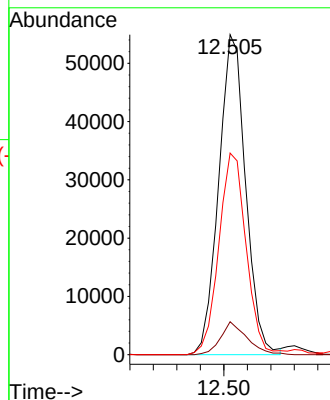
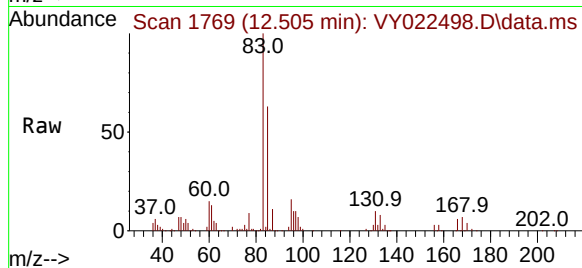
ICVY060225

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

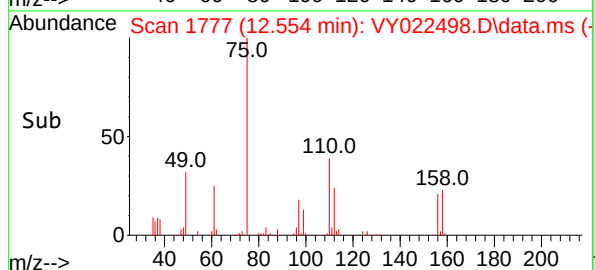
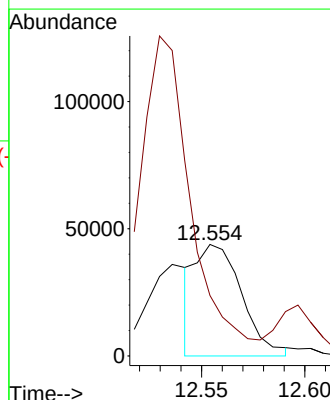
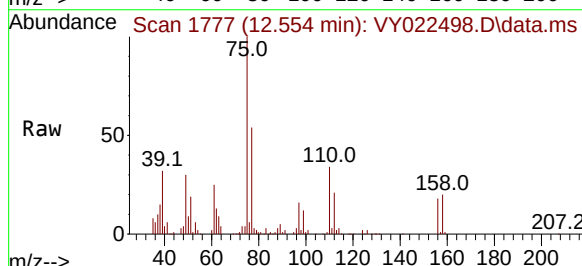
RT: 12.554 min Scan# 1777

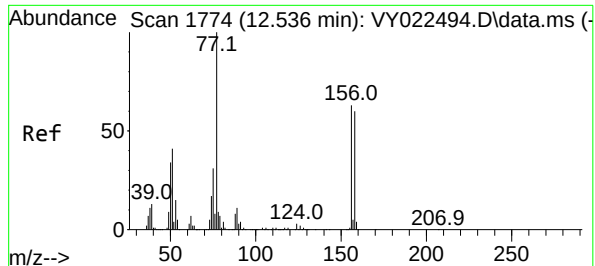
Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

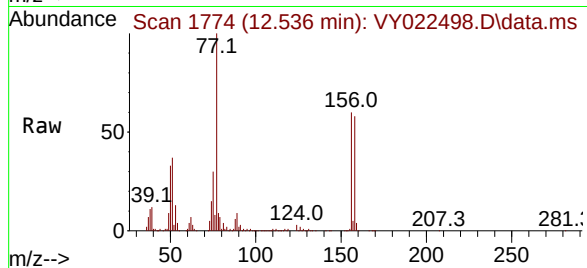
Tgt Ion:	75	Resp:	68304
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#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

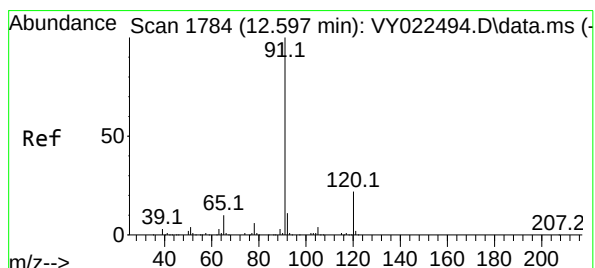
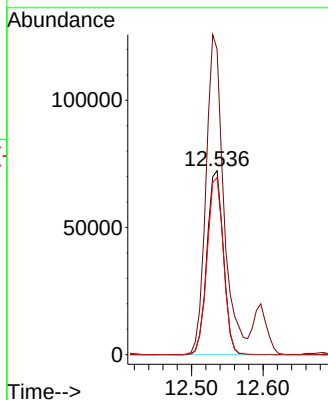
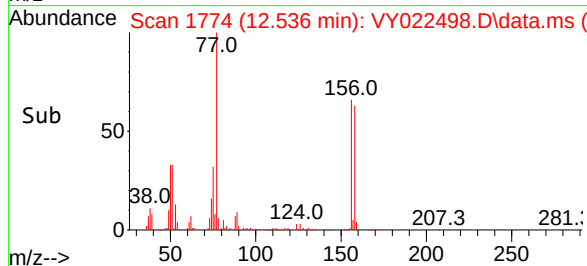
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



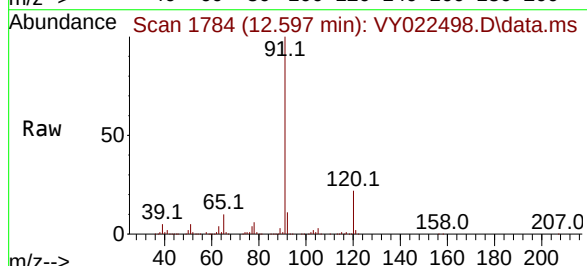
Tgt Ion:156 Resp: 11477
Ion Ratio Lower Upper
156 100
77 189.1 94.0 282.1
158 96.4 48.2 144.6

Manual Integrations
APPROVED

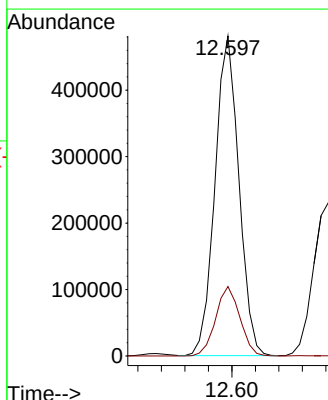
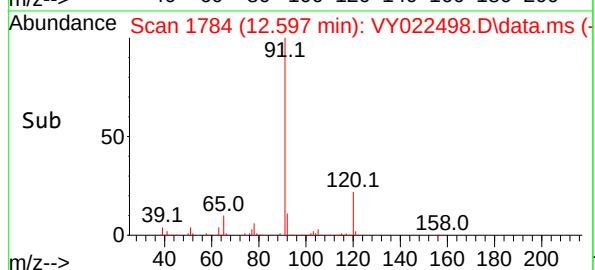
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

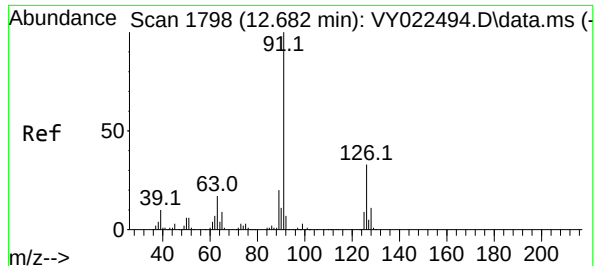


#78
n-propylbenzene
Concen: 46.696 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



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 :

ICVY060225

Tgt Ion: 91 Resp: 358750

Ion Ratio Lower Upper

91 100

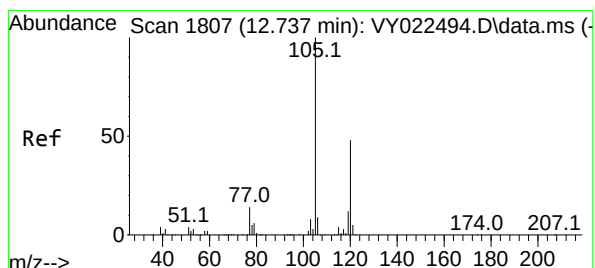
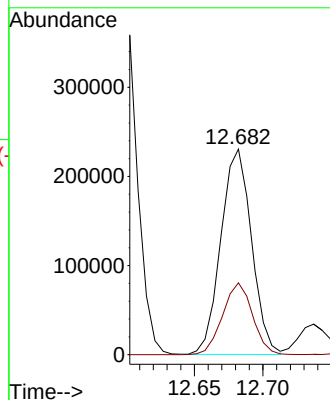
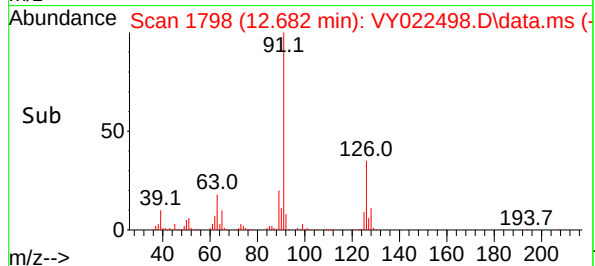
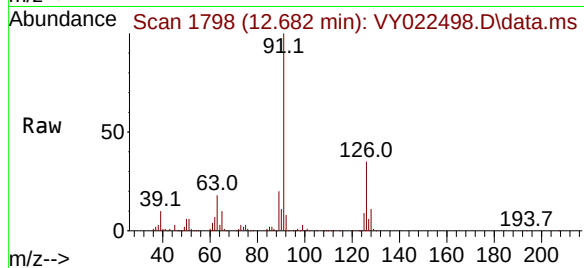
126 34.1 17.0 51.0

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

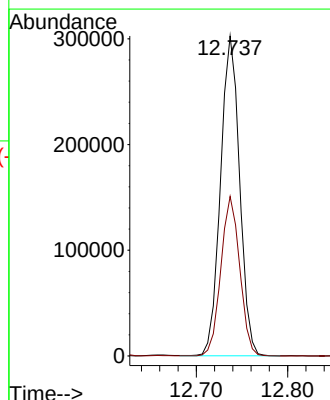
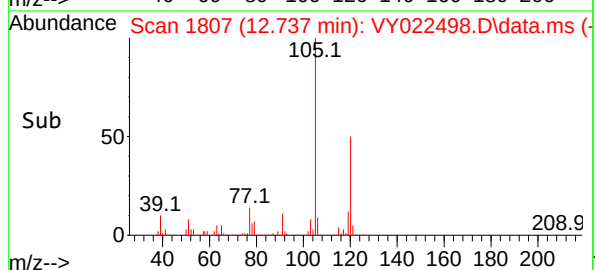
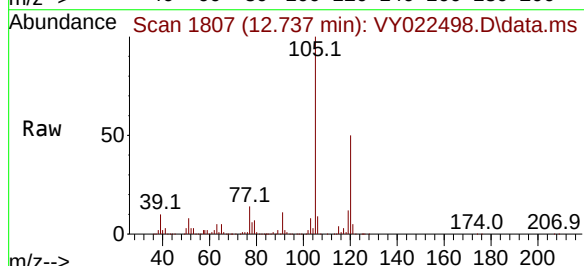
Acq: 02 Jun 2025 14:59

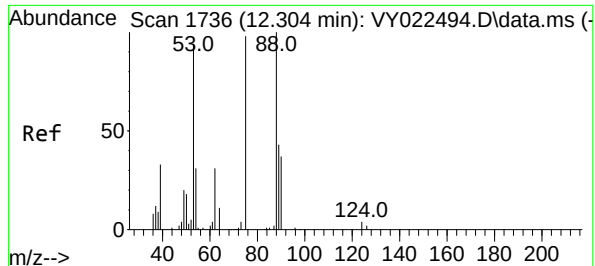
Tgt Ion:105 Resp: 438873

Ion Ratio Lower Upper

105 100

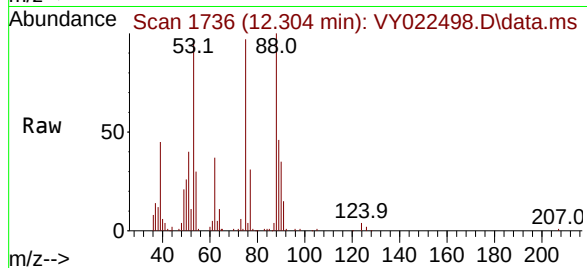
120 49.4 24.1 72.4





#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

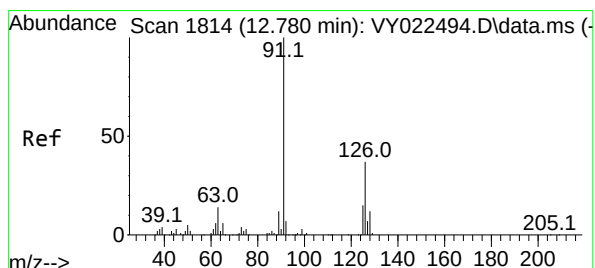
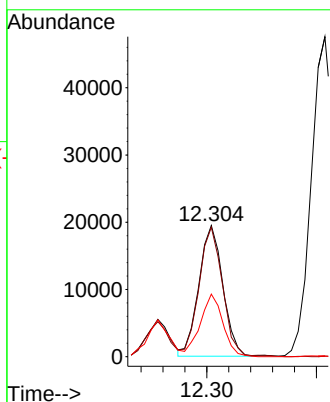
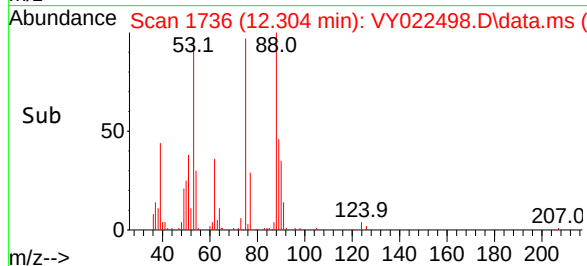
Instrument :
MSVOA_Y
ClientSampleId :
ICVY060225



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

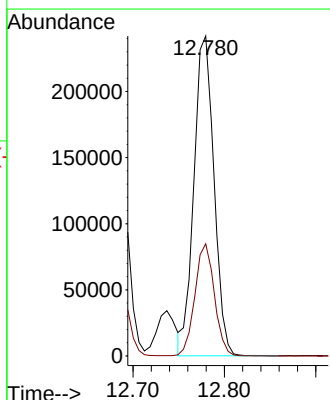
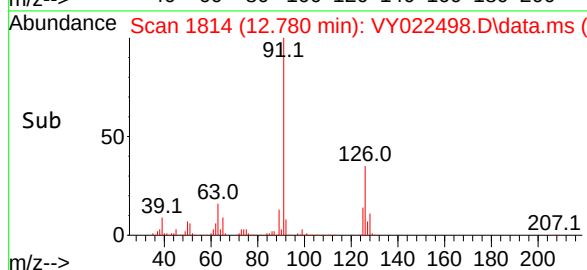
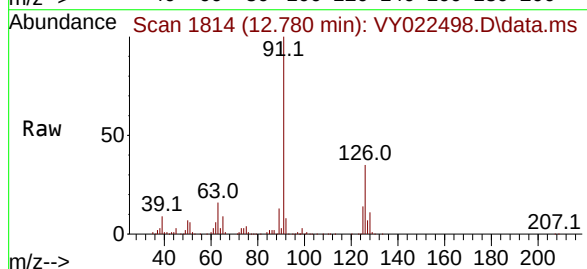
Manual Integrations
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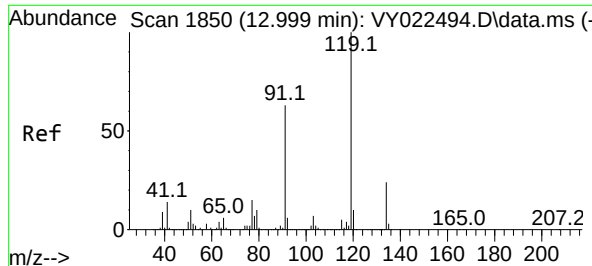
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

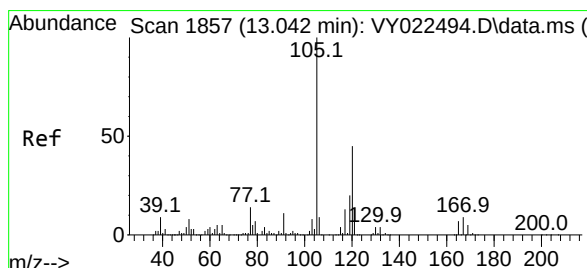
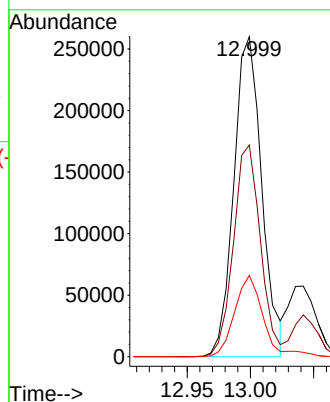
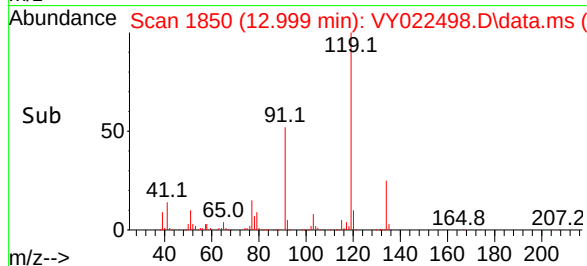
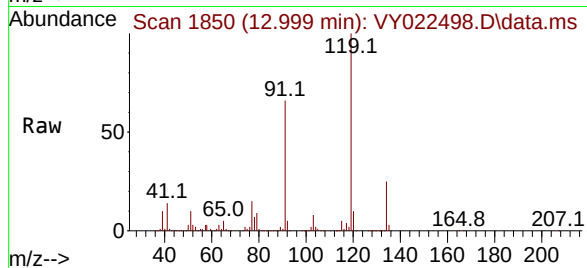
134 25.9 13.0 38.9

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

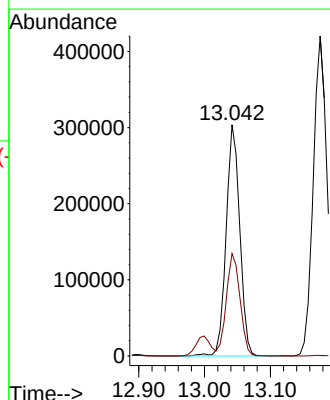
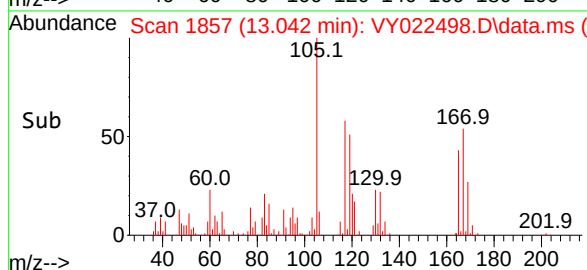
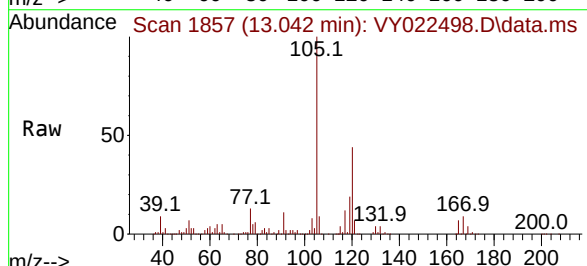
Acq: 02 Jun 2025 14:59

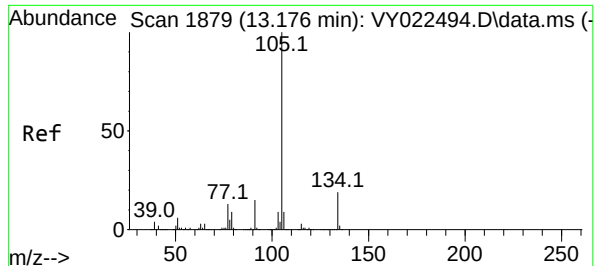
Tgt Ion:105 Resp: 437631

Ion Ratio Lower Upper

105 100

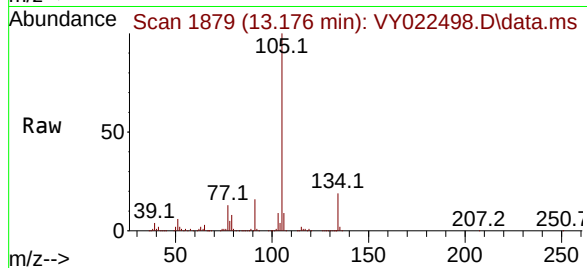
120 44.5 22.7 68.1





#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

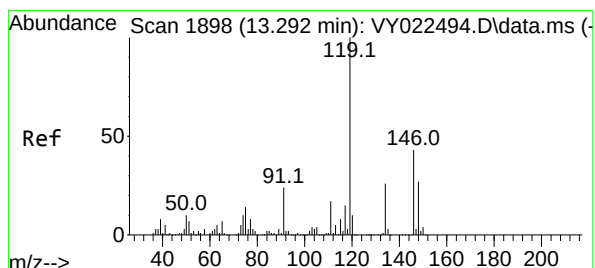
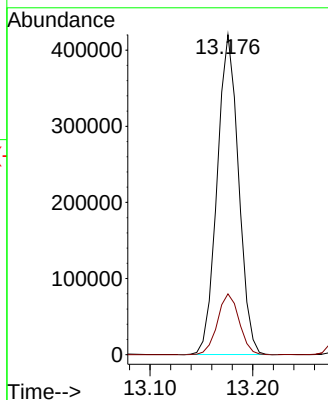
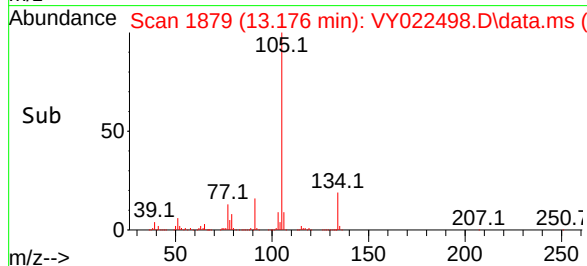
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



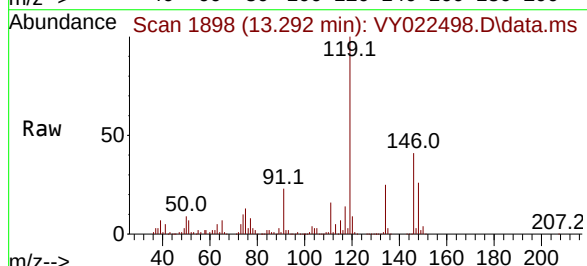
Tgt Ion:105 Resp: 607968
Ion Ratio Lower Upper
105 100
134 19.3 9.7 28.9

Manual Integrations
APPROVED

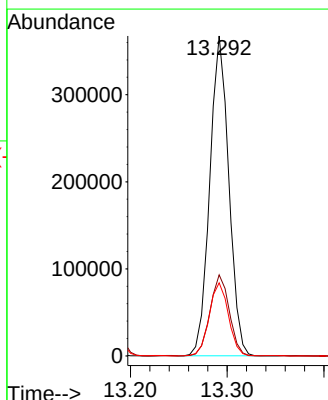
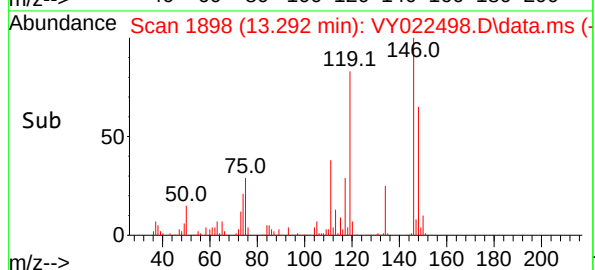
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

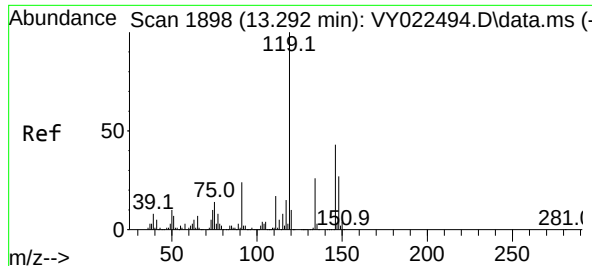


#86
p-Isopropyltoluene
Concen: 47.321 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59



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: 23419

Ion Ratio Lower Upper

146 100

111 39.1 20.1 60.2

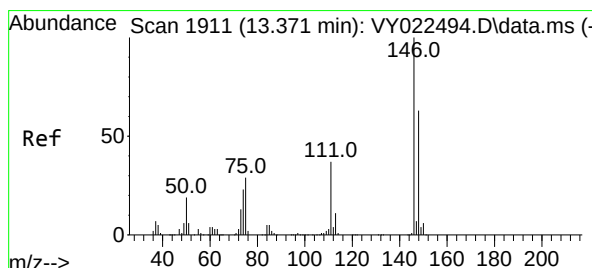
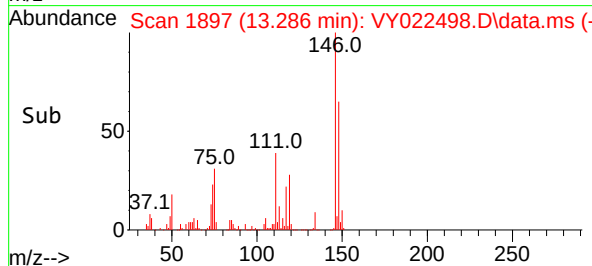
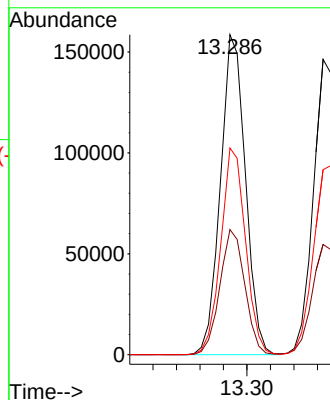
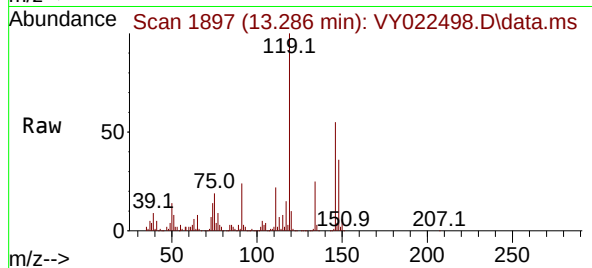
148 64.1 32.1 96.3

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

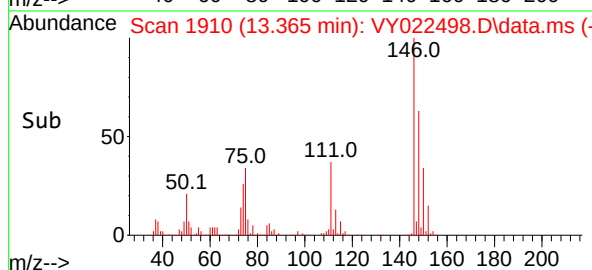
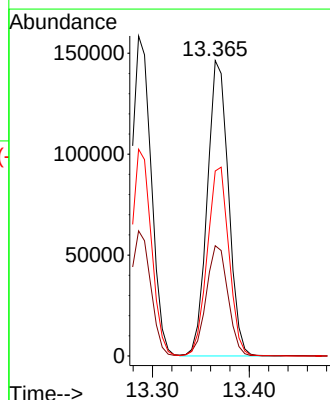
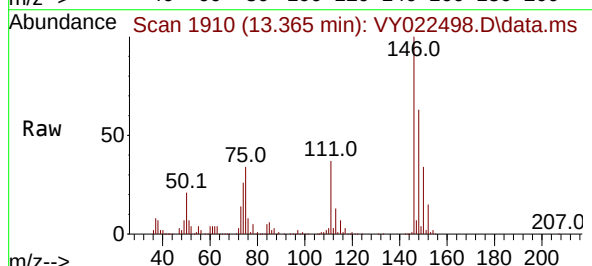
Tgt Ion:146 Resp: 223096

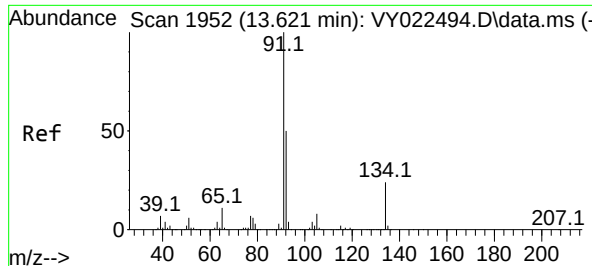
Ion Ratio Lower Upper

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 :

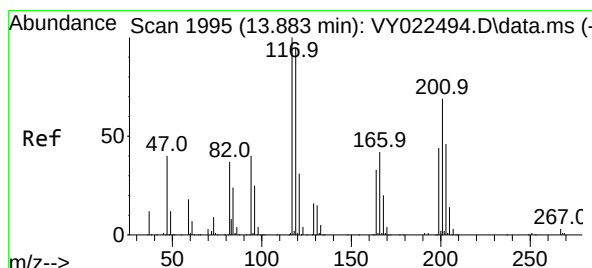
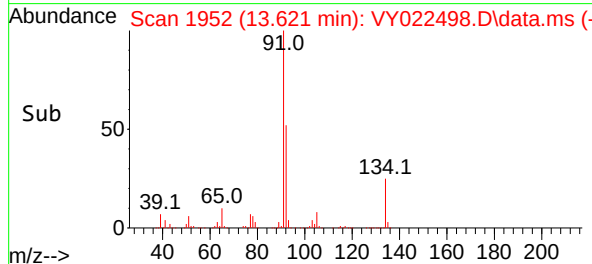
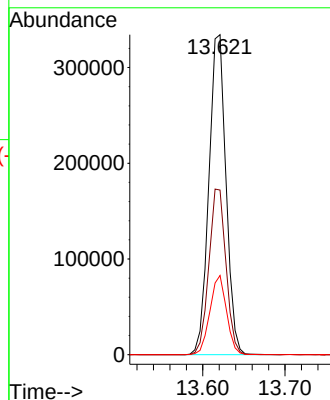
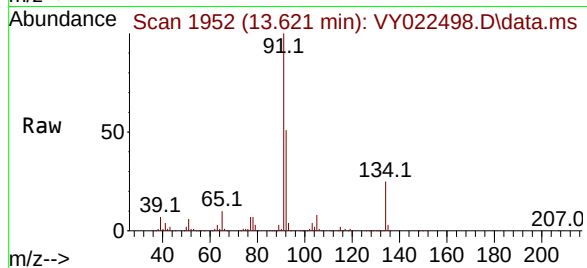
ICVY060225

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

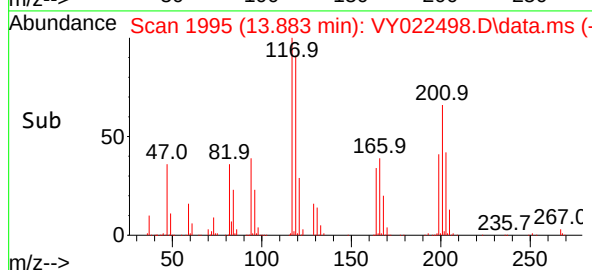
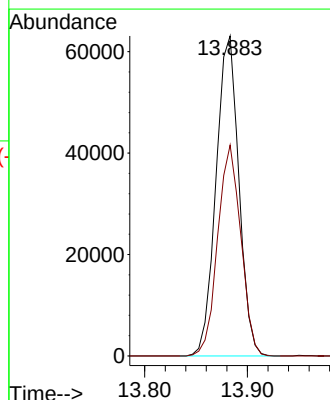
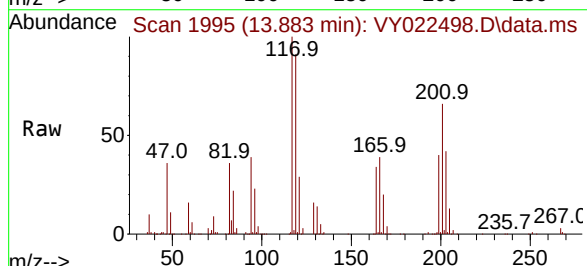
RT: 13.883 min Scan# 1995

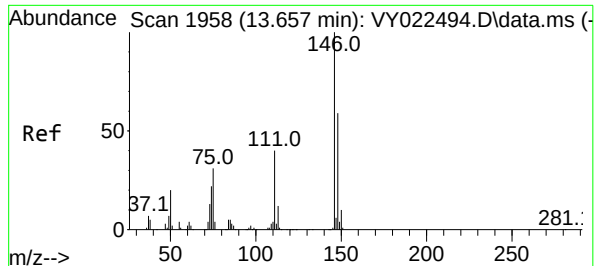
Delta R.T. 0.000 min

Lab File: VY022498.D

Acq: 02 Jun 2025 14:59

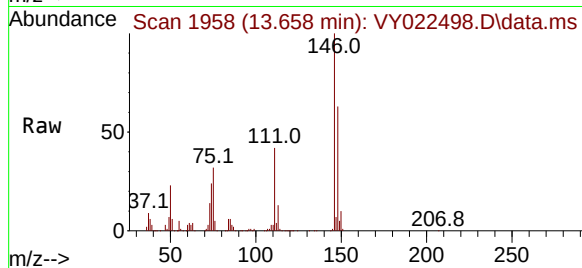
Tgt Ion:	117	Resp:	97273
Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.0	102.0





#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

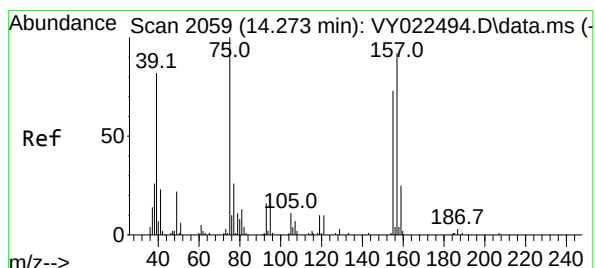
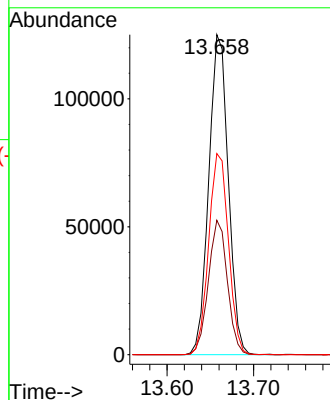
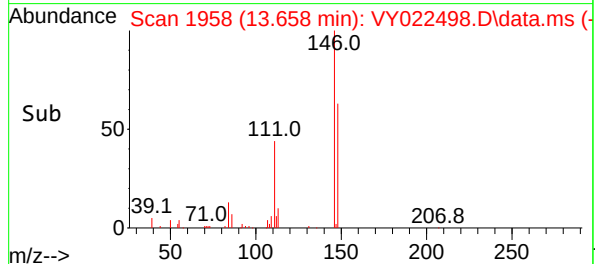
Instrument : MSVOA_Y
ClientSampleId : ICVVY060225



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

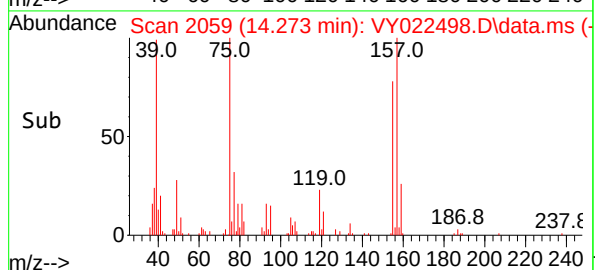
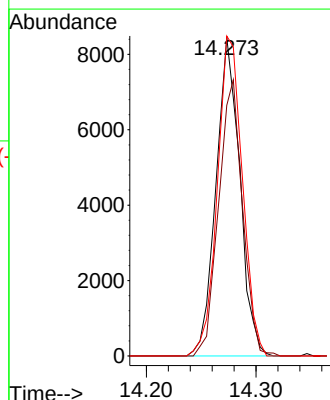
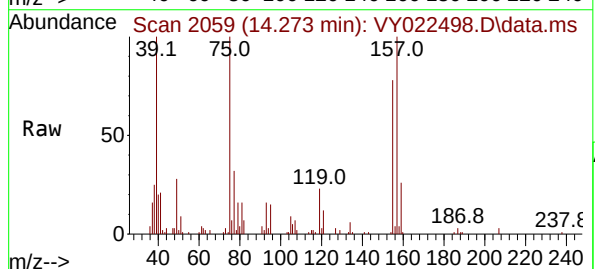
Manual Integrations
APPROVED

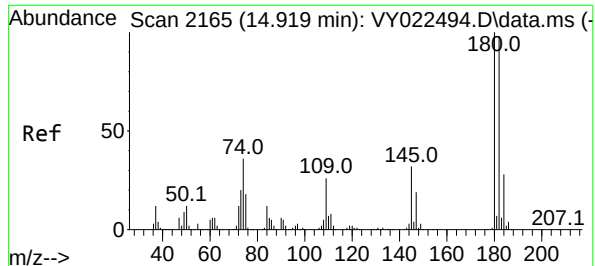
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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

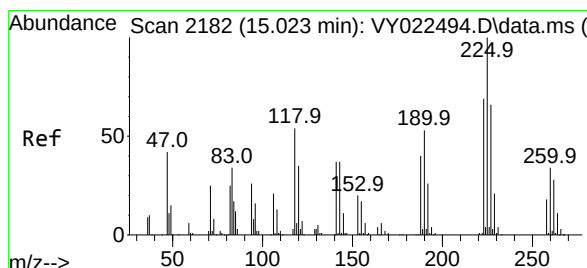
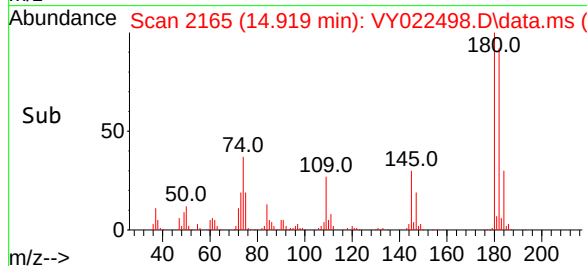
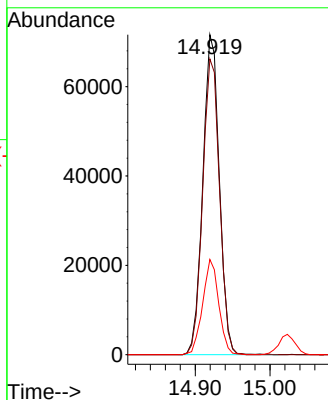
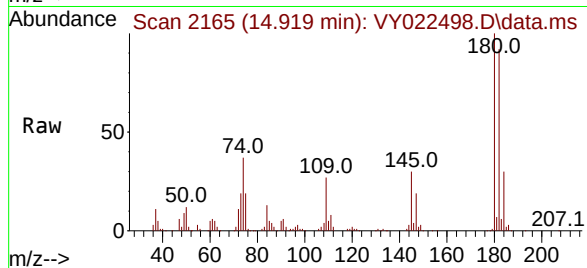
145 29.1 15.5 46.5

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

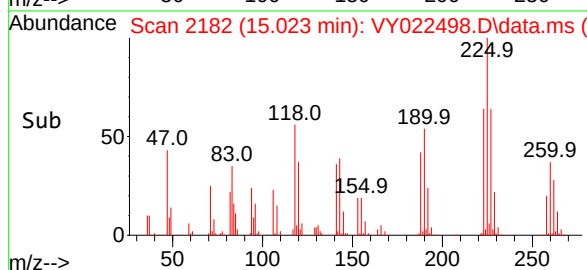
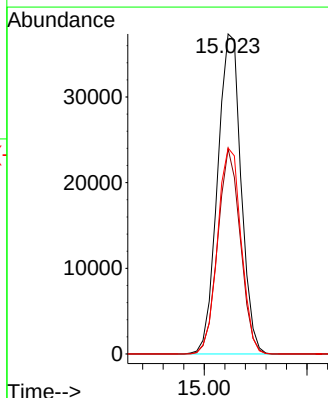
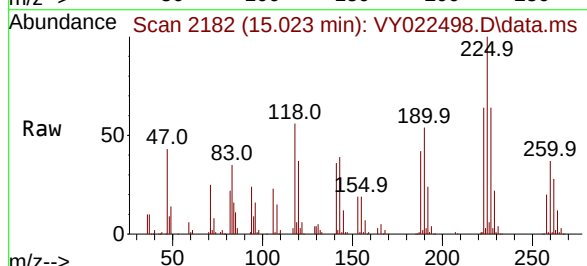
Tgt Ion:225 Resp: 59236

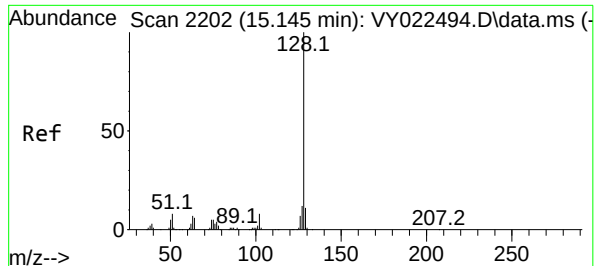
Ion Ratio Lower Upper

225 100

223 61.5 32.5 97.4

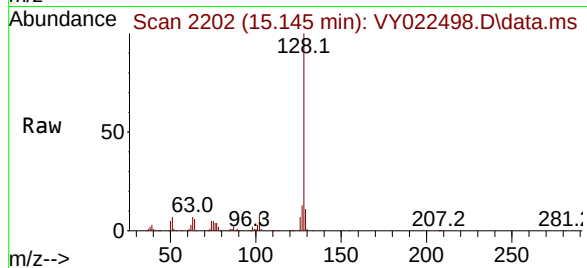
227 64.6 32.3 96.9





#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

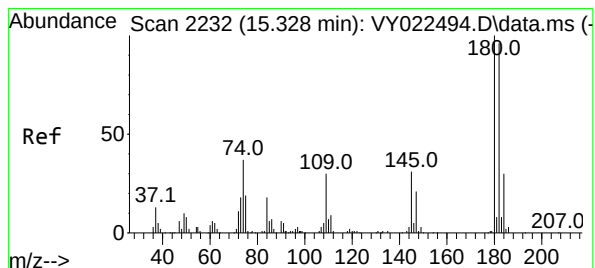
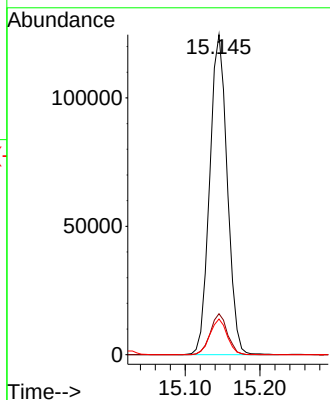
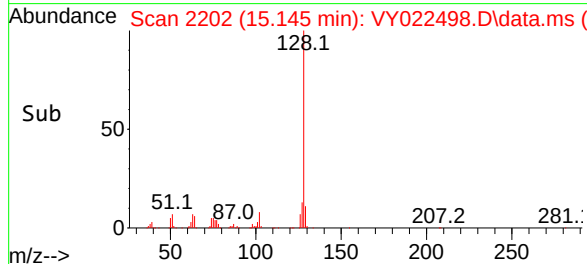
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225



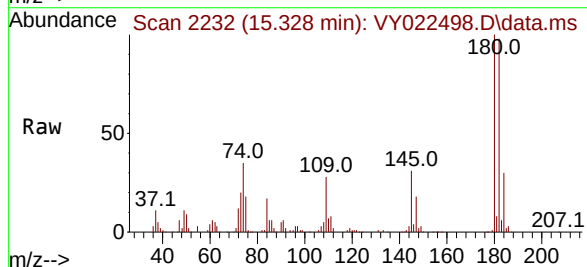
Tgt Ion:128 Resp: 203925
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 11.0 8.9 13.3

Manual Integrations
APPROVED

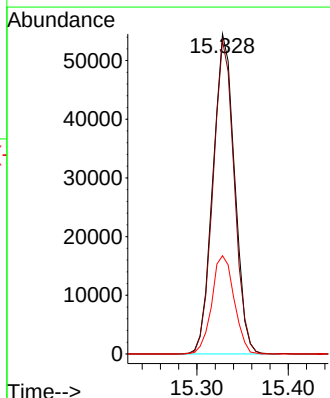
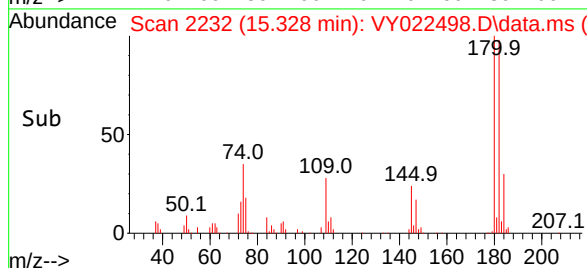
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: MSVOA_Y Calibration Date/Time: 06/03/2025 10:03

Lab File ID: VY022511.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	0.404		-9.82	20
Chloromethane	1.322	1.316	0.1	-0.45	20
Vinyl Chloride	1.534	1.560		1.7	20
Bromomethane	1.470	1.393		-5.24	20
Chloroethane	1.053	1.102		4.65	20
Trichlorofluoromethane	1.302	1.272		-2.3	20
1,1,2-Trichlorotrifluoroethane	0.549	0.523		-4.74	20
1,1-Dichloroethene	0.524	0.513		-2.1	20
Acetone	0.114	0.097		-14.91	20
Carbon Disulfide	1.679	1.680		0.06	20
Methyl tert-butyl Ether	1.477	1.494		1.15	20
Methyl Acetate	0.336	0.372		10.71	20
Methylene Chloride	0.645	0.579		-10.23	20
trans-1,2-Dichloroethene	0.587	0.598		1.87	20
1,1-Dichloroethane	1.079	1.105	0.1	2.41	20
Cyclohexane	1.075	0.985		-8.37	20
2-Butanone	0.164	0.160		-2.44	20
Carbon Tetrachloride	0.497	0.487		-2.01	20
cis-1,2-Dichloroethene	0.678	0.701		3.39	20
Bromochloromethane	0.471	0.559		18.68	20
Chloroform	1.069	1.105		3.37	20
1,1,1-Trichloroethane	0.949	0.968		2	20
Methylcyclohexane	0.651	0.616		-5.38	20
Benzene	1.431	1.436		0.35	20
1,2-Dichloroethane	0.391	0.395		1.02	20
Trichloroethene	0.350	0.343		-2	20
1,2-Dichloropropane	0.338	0.343		1.48	20
Bromodichloromethane	0.482	0.494		2.49	20
4-Methyl-2-Pentanone	0.233	0.236		1.29	20
Toluene	0.899	0.901		0.22	20
t-1,3-Dichloropropene	0.452	0.460		1.77	20
cis-1,3-Dichloropropene	0.526	0.531		0.95	20
1,1,2-Trichloroethane	0.243	0.243		0	20
2-Hexanone	0.156	0.155		-0.64	20
Dibromochloromethane	0.308	0.312		1.3	20
1,2-Dibromoethane	0.221	0.225		1.81	20
Tetrachloroethene	0.430	0.422		-1.86	20
Chlorobenzene	1.106	1.118	0.3	1.09	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.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: MSVOA_Y Calibration Date/Time: 06/03/2025 10:03

Lab File ID: VY022511.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	2.059		0.34	20
m/p-Xylenes	0.778	0.765		-1.67	20
o-Xylene	0.729	0.713		-2.19	20
Styrene	1.206	1.220		1.16	20
Bromoform	0.198	0.195	0.1	-1.51	20
Isopropylbenzene	4.105	4.015		-2.19	20
1,1,2,2-Tetrachloroethane	0.674	0.669	0.3	-0.74	20
1,3-Dichlorobenzene	1.755	1.733		-1.25	20
1,4-Dichlorobenzene	1.702	1.659		-2.53	20
1,2-Dichlorobenzene	1.490	1.467		-1.54	20
1,2-Dibromo-3-Chloropropane	0.098	0.103		5.1	20
1,2,4-Trichlorobenzene	0.813	0.835		2.71	20
1,2,3-Trichlorobenzene	0.697	0.701		0.57	20
1,2-Dichloroethane-d4	0.559	0.576		3.04	20
Dibromofluoromethane	0.298	0.300		0.67	20
Toluene-d8	1.206	1.224		1.49	20
4-Bromofluorobenzene	0.359	0.354		-1.39	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022511.D
 Acq On : 03 Jun 2025 10:03
 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 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:08:01 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	187797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	325302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	276655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.066	65	108238	51.532	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.060%			
35) Dibromofluoromethane	7.640	113	97475	50.202	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.400%			
50) Toluene-d8	10.109	98	398159	50.750	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.407	95	115160	49.265	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	75927	45.159	ug/l	99
3) Chloromethane	2.068	50	247189	49.765	ug/l	98
4) Vinyl Chloride	2.208	62	292986	50.846	ug/l	99
5) Bromomethane	2.598	94	261600	47.366	ug/l	99
6) Chloroethane	2.738	64	206973	52.331	ug/l	98
7) Trichlorofluoromethane	3.055	101	238847	48.826	ug/l	99
8) Diethyl Ether	3.458	74	55565	50.439	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.823	101	98243	47.685	ug/l	99
10) Methyl Iodide	4.006	142	116238	52.134	ug/l	99
11) Tert butyl alcohol	4.890	59	37588	250.557	ug/l	98
12) 1,1-Dichloroethene	3.793	96	96260	48.879	ug/l	95
13) Acrolein	3.659	56	44427	237.627	ug/l	98
14) Allyl chloride	4.390	41	154530	49.983	ug/l	99
15) Acrylonitrile	5.067	53	118258	253.468	ug/l	99
16) Acetone	3.884	43	91451	214.391	ug/l	97
17) Carbon Disulfide	4.110	76	315520	50.043	ug/l	97
18) Methyl Acetate	4.390	43	69944	55.372	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	280632	50.593	ug/l	99
20) Methylene Chloride	4.622	84	108749	44.882	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	112230	50.918	ug/l	100
22) Diisopropyl ether	6.024	45	347494	50.496	ug/l	98
23) Vinyl Acetate	5.969	43	1020040	250.435	ug/l	100
24) 1,1-Dichloroethane	5.921	63	207429	51.165	ug/l	99
25) 2-Butanone	6.902	43	150087	243.928	ug/l	96
26) 2,2-Dichloropropane	6.890	77	179492	50.109	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	131693	51.693	ug/l	98
28) Bromochloromethane	7.250	49	104897	59.357	ug/l	99
29) Tetrahydrofuran	7.268	42	100100	252.240	ug/l	98
30) Chloroform	7.426	83	207435	51.658	ug/l	92
31) Cyclohexane	7.707	56	185038	45.846	ug/l	98
32) 1,1,1-Trichloroethane	7.621	97	181822	51.007	ug/l	100
36) 1,1-Dichloropropene	7.841	75	153258	48.633	ug/l	99
37) Ethyl Acetate	6.994	43	69356	49.352	ug/l	98
38) Carbon Tetrachloride	7.823	117	158278	48.960	ug/l	98
39) Methylcyclohexane	9.115	83	200361	47.312	ug/l	95
40) Benzene	8.085	78	467282	50.204	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022511.D
 Acq On : 03 Jun 2025 10:03
 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 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:08:01 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	7.225	41	41205m	50.197	ug/l	
42) 1,2-Dichloroethane	8.164	62	128548	50.581	ug/l	98
43) Isopropyl Acetate	8.201	43	150269	49.510	ug/l	99
44) Trichloroethene	8.871	130	111488	49.009	ug/l	95
45) 1,2-Dichloropropane	9.146	63	111633	50.749	ug/l	95
46) Dibromomethane	9.231	93	62344	50.378	ug/l	99
47) Bromodichloromethane	9.426	83	160659	51.199	ug/l	97
48) Methyl methacrylate	9.225	41	72544	50.927	ug/l	99
49) 1,4-Dioxane	9.243	88	13838	943.857	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	383731	253.585	ug/l	99
52) Toluene	10.176	92	292952	50.084	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	149694	50.914	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	172592	50.428	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	79092	50.121	ug/l	96
56) Ethyl methacrylate	10.444	69	114501	50.203	ug/l	99
57) 1,3-Dichloropropane	10.718	76	139564	49.900	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	279007	269.440	ug/l	100
59) 2-Hexanone	10.761	43	251489	248.499	ug/l	99
60) Dibromochloromethane	10.914	129	101429	50.578	ug/l	98
61) 1,2-Dibromoethane	11.017	107	73106	50.829	ug/l	97
64) Tetrachloroethene	10.651	164	116688	49.032	ug/l	98
65) Chlorobenzene	11.444	112	309162	50.500	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	102149	49.530	ug/l	99
67) Ethyl Benzene	11.523	91	569736	50.175	ug/l	97
68) m/p-Xylenes	11.633	106	423248	98.325	ug/l	99
69) o-Xylene	11.956	106	197139	48.847	ug/l	95
70) Styrene	11.968	104	337617	50.608	ug/l	99
71) Bromoform	12.133	173	54008	49.211	ug/l #	97
73) Isopropylbenzene	12.255	105	523520	48.906	ug/l	99
74) N-amyl acetate	12.072	43	134344	49.739	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.511	83	87261	49.668	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	83401m	55.912	ug/l	
77) Bromobenzene	12.535	156	112367	49.743	ug/l	99
78) n-propylbenzene	12.596	91	641434	49.060	ug/l	99
79) 2-Chlorotoluene	12.682	91	340867	49.190	ug/l	99
80) 1,3,5-Trimethylbenzene	12.736	105	416181	49.521	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	30494	49.369	ug/l	96
82) 4-Chlorotoluene	12.779	91	343404	48.038	ug/l	99
83) tert-Butylbenzene	12.999	119	371831	49.296	ug/l	100
84) 1,2,4-Trimethylbenzene	13.047	105	417788	49.704	ug/l	100
85) sec-Butylbenzene	13.175	105	567452	49.121	ug/l	100
86) p-Isopropyltoluene	13.291	119	464860	48.819	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	225894	49.356	ug/l	100
88) 1,4-Dichlorobenzene	13.370	146	216249	48.715	ug/l	99
89) n-Butylbenzene	13.620	91	452386	50.075	ug/l	99
90) Hexachloroethane	13.883	117	91854	49.550	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	191317	49.234	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13456	52.605	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	108808	51.341	ug/l	96
94) Hexachlorobutadiene	15.023	225	56388	48.206	ug/l	98
95) Naphthalene	15.145	128	209808	51.588	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	91404	50.325	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
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 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:08:01 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

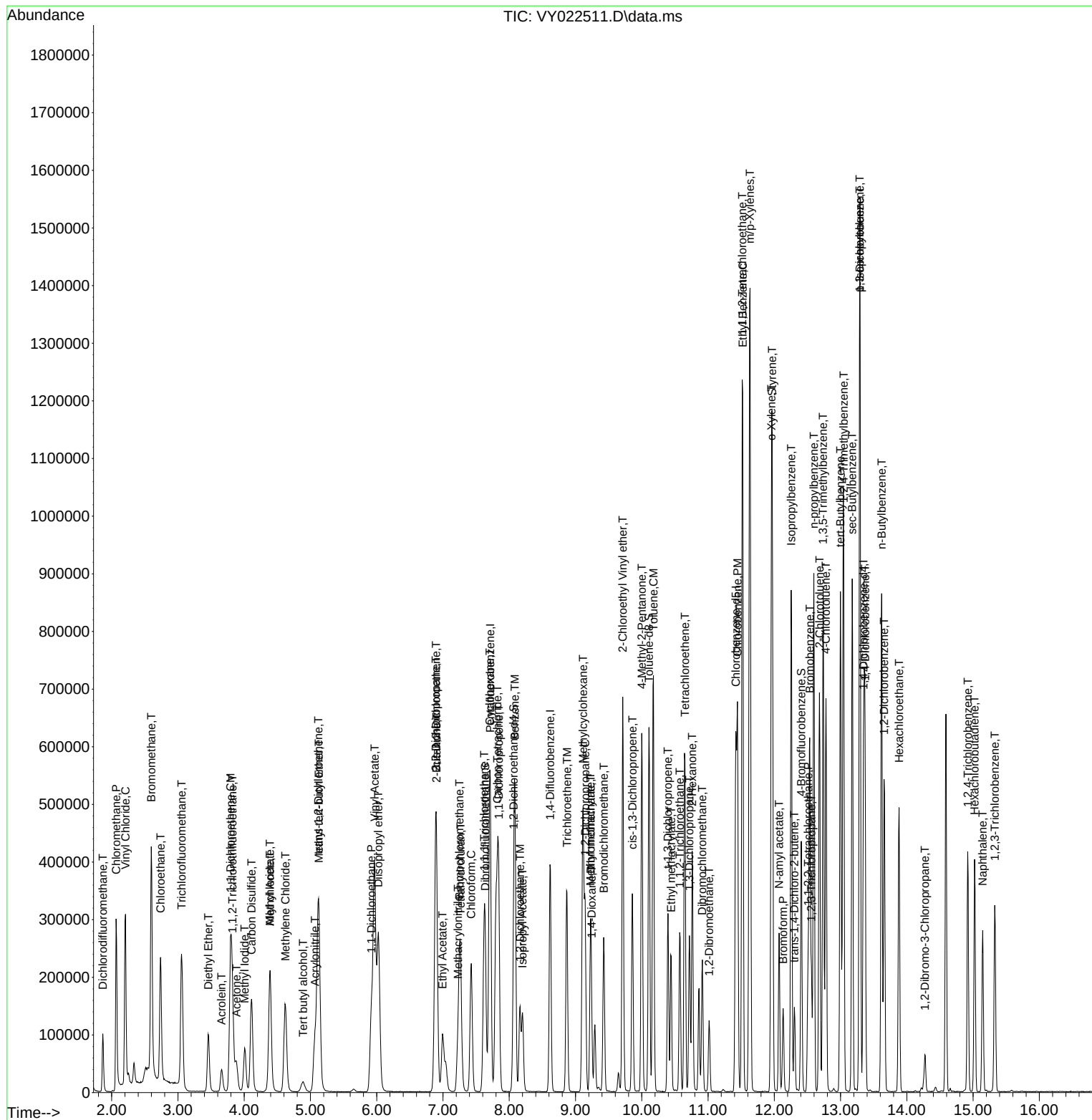
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Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
Operator : SY/MD
Sample : VSTDC0050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

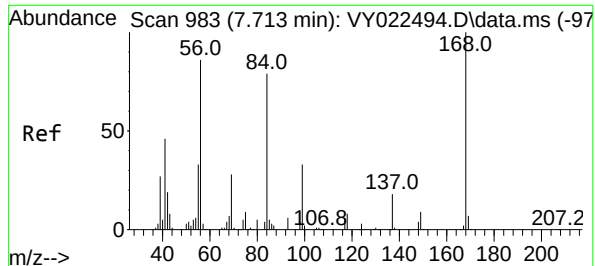
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

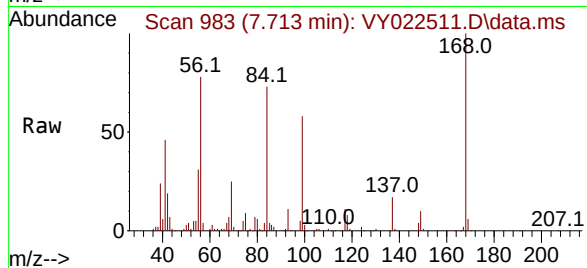
Quant Time: Jun 04 04:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.000 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

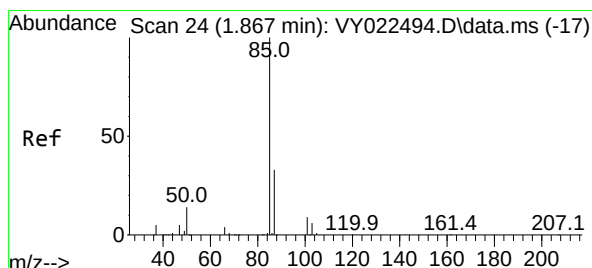
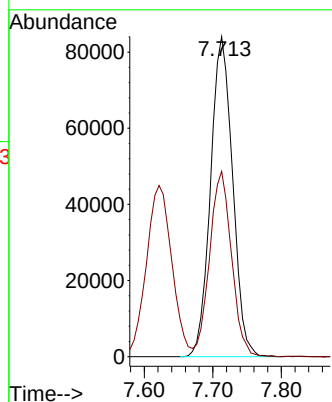
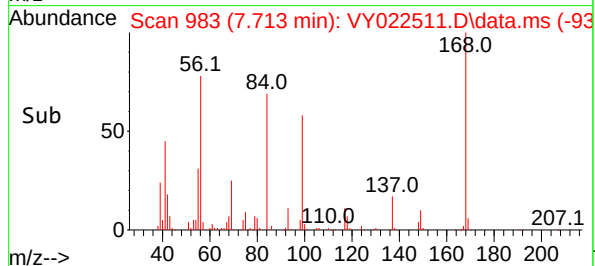
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 18779
Ion Ratio Lower Upper
168 100
99 57.9 44.3 66.5

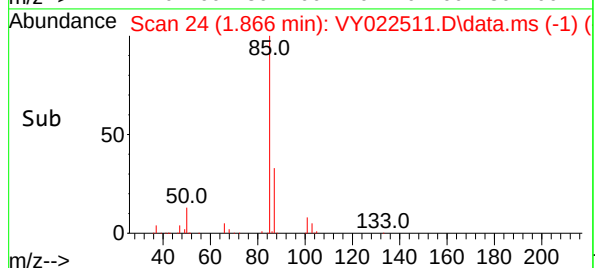
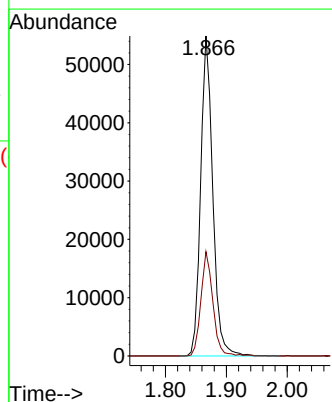
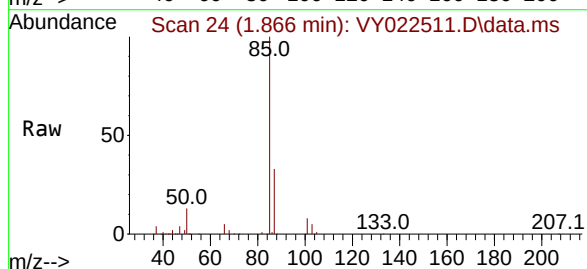
Manual Integrations
APPROVED

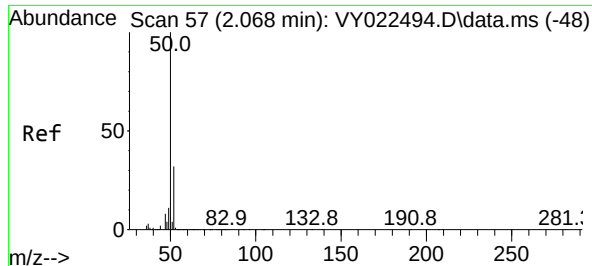
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#2
Dichlorodifluoromethane
Concen: 45.159 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

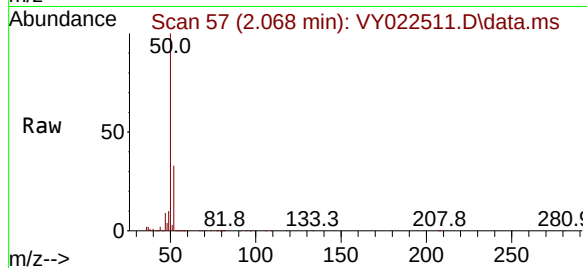
Tgt Ion: 85 Resp: 75927
Ion Ratio Lower Upper
85 100
87 32.6 16.7 50.0





#3
Chloromethane
Concen: 49.765 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

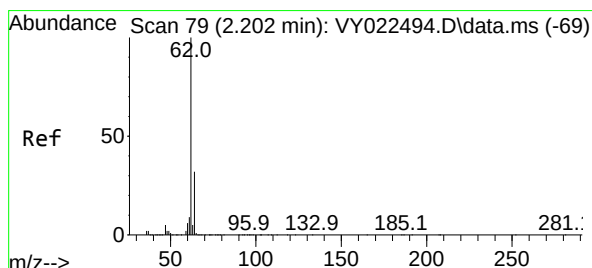
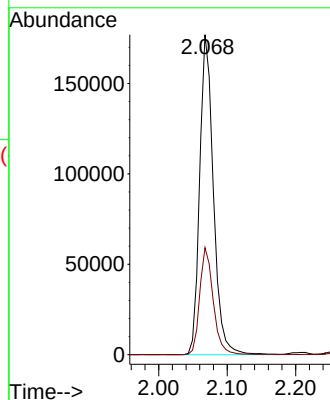
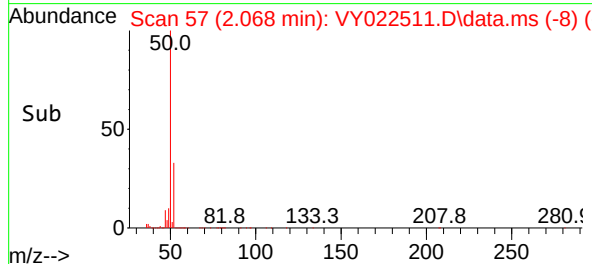
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



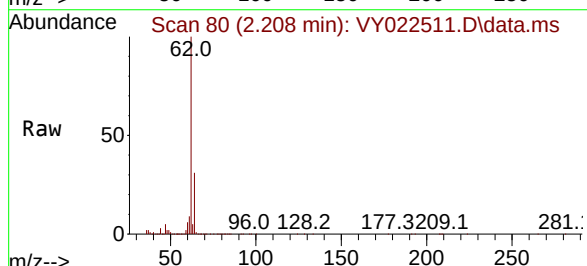
Tgt Ion: 50 Resp: 247189
Ion Ratio Lower Upper
50 100
52 33.5 26.0 39.0

Manual Integrations
APPROVED

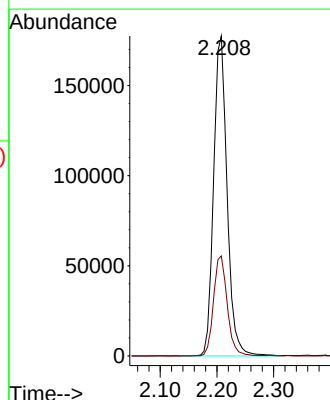
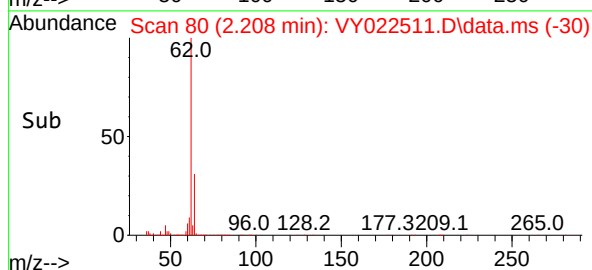
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

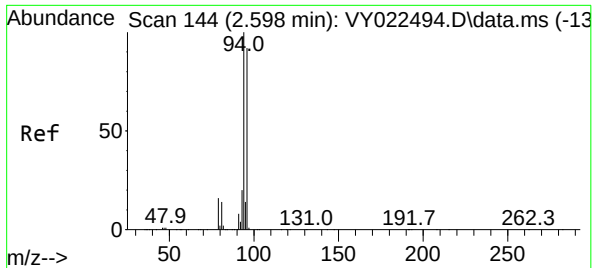


#4
Vinyl Chloride
Concen: 50.846 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03



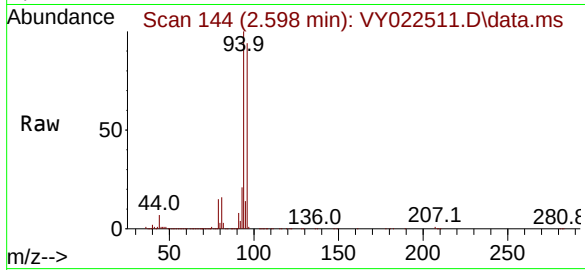
Tgt Ion: 62 Resp: 292986
Ion Ratio Lower Upper
62 100
64 31.3 25.3 37.9





#5
Bromomethane
Concen: 47.366 ug/l
RT: 2.598 min Scan# 144
Delta R.T. -0.000 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

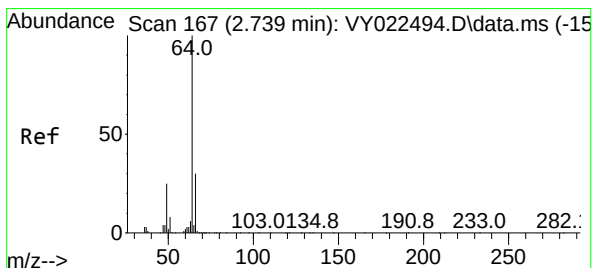
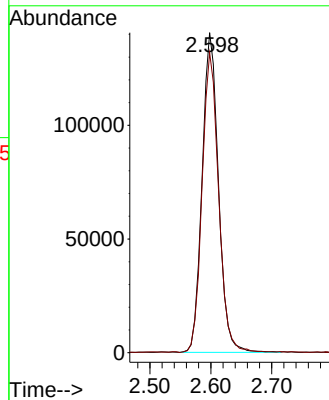
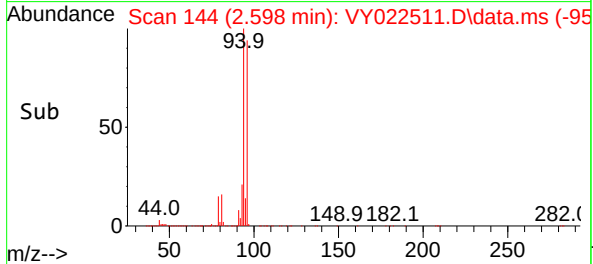
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



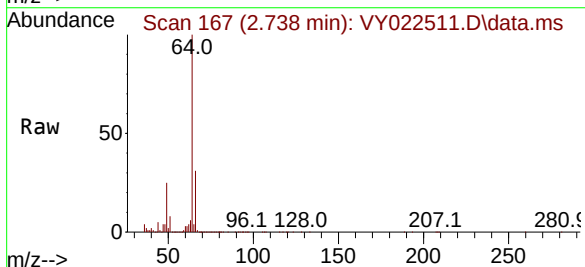
Tgt Ion: 94 Resp: 261600
Ion Ratio Lower Upper
94 100
96 93.8 74.0 111.0

Manual Integrations
APPROVED

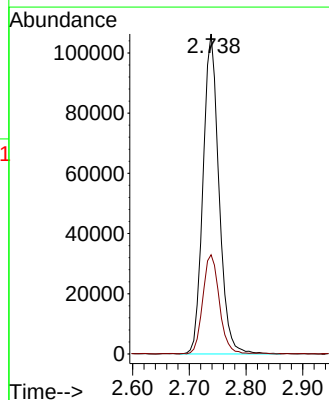
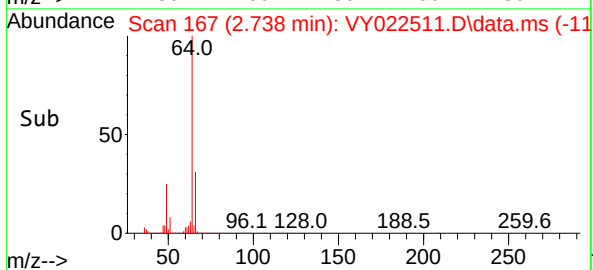
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

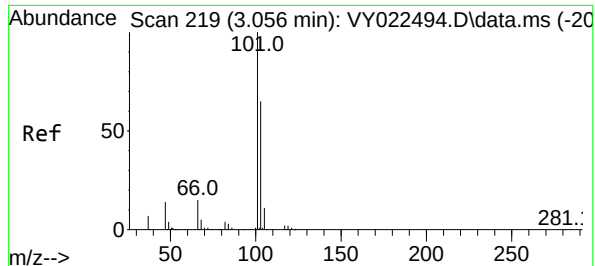


#6
Chloroethane
Concen: 52.331 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03



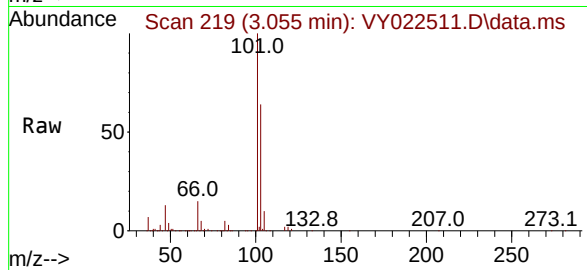
Tgt Ion: 64 Resp: 206973
Ion Ratio Lower Upper
64 100
66 30.9 23.8 35.6





#7
Trichlorofluoromethane
Concen: 48.826 ug/l
RT: 3.055 min Scan# 219
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

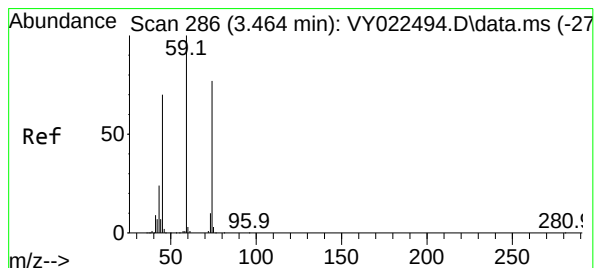
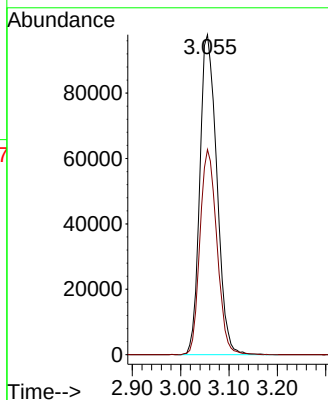
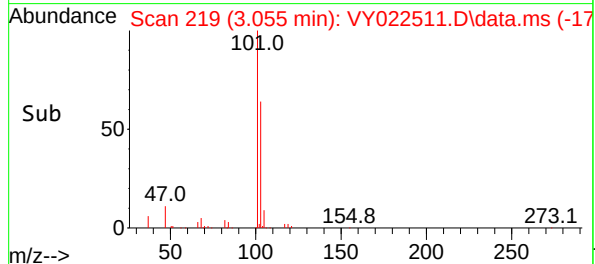
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



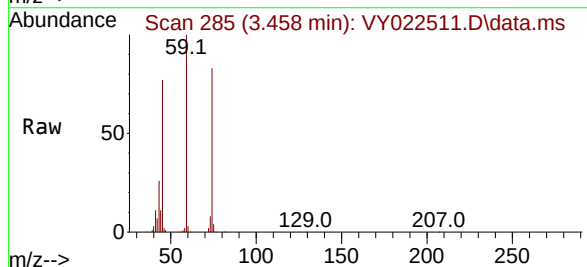
Tgt Ion:101 Resp: 23884
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.2

Manual Integrations
APPROVED

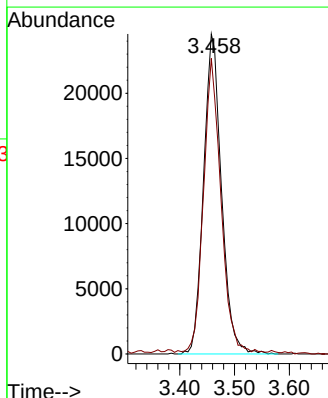
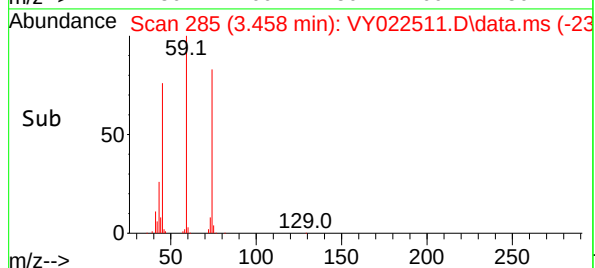
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

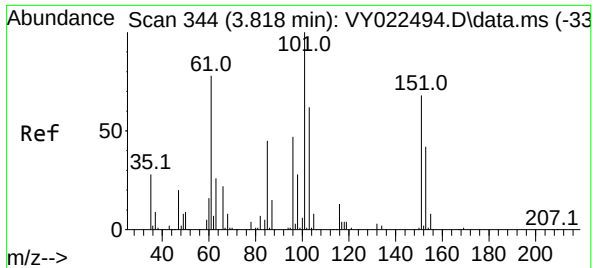


#8
Diethyl Ether
Concen: 50.439 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.007 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03



Tgt Ion: 74 Resp: 55565
Ion Ratio Lower Upper
74 100
45 88.8 45.9 137.6





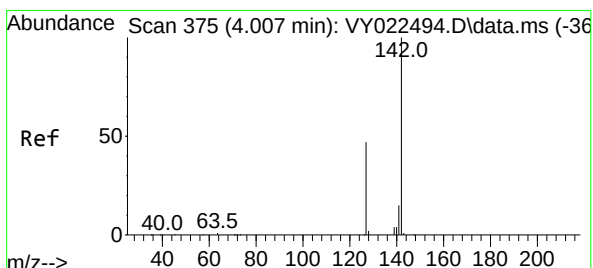
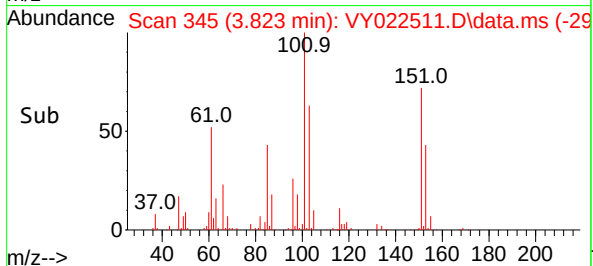
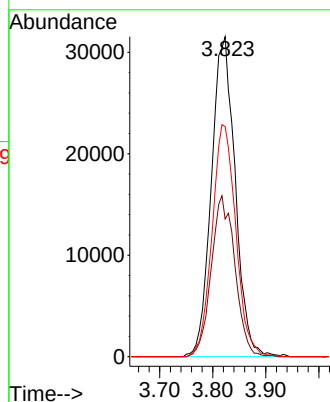
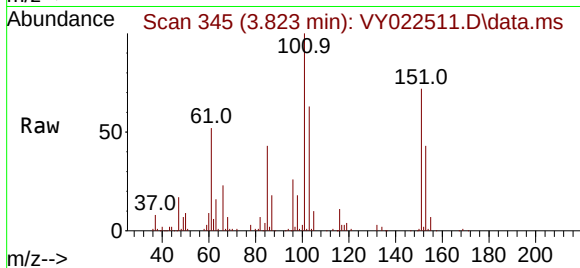
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.685 ug/l
RT: 3.823 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 9824
Ion Ratio Lower Upper
101 100
85 50.1 39.3 58.9
151 72.5 57.8 86.8

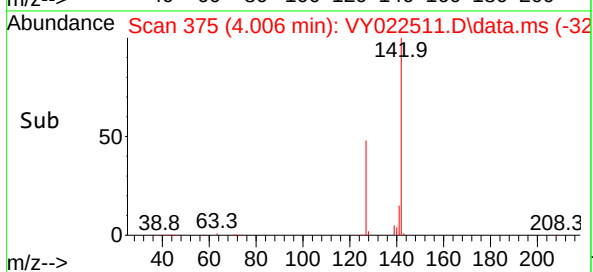
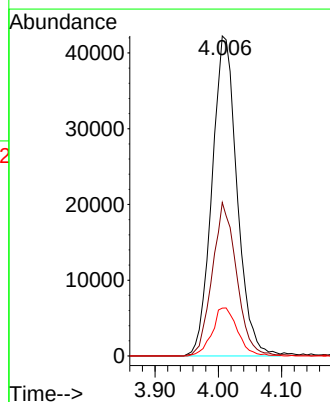
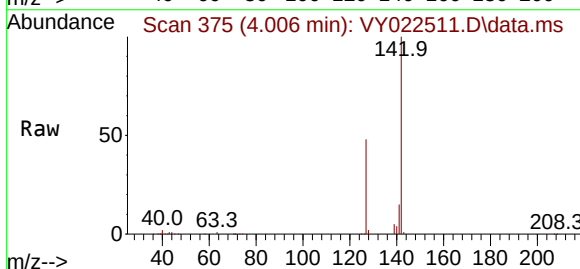
Manual Integrations
APPROVED

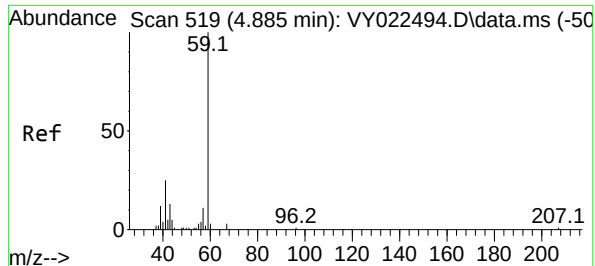
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#10
Methyl Iodide
Concen: 52.134 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

Tgt Ion:142 Resp: 116238
Ion Ratio Lower Upper
142 100
127 46.6 37.1 55.7
141 15.2 11.4 17.2





#11

Tert butyl alcohol

Concen: 250.557 ug/l

RT: 4.890 min Scan# 519

Delta R.T. 0.006 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 3758

Ion Ratio Lower Upper

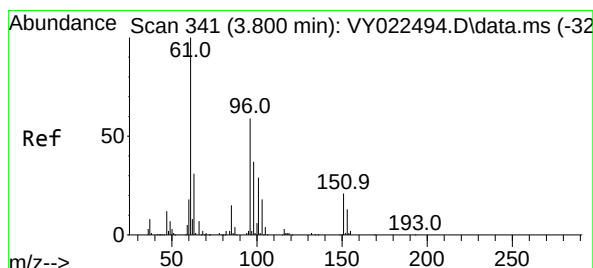
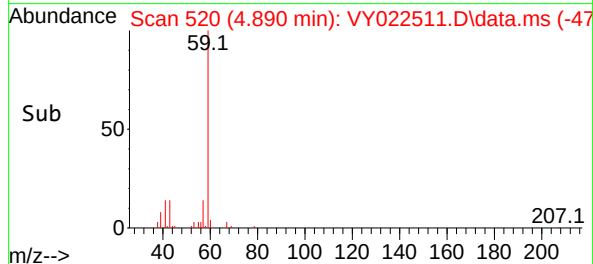
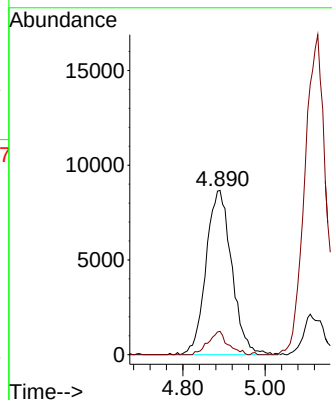
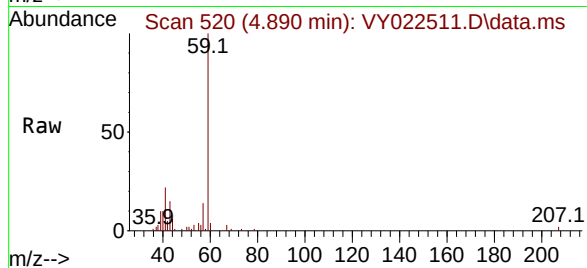
59 100

57 10.8 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#12

1,1-Dichloroethene

Concen: 48.879 ug/l

RT: 3.793 min Scan# 340

Delta R.T. -0.007 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

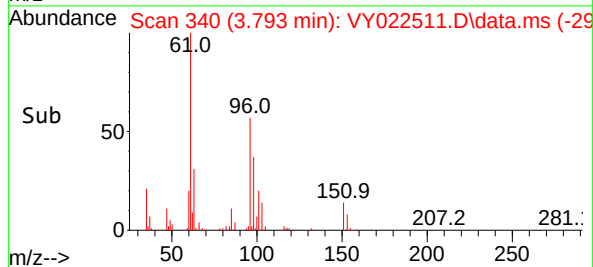
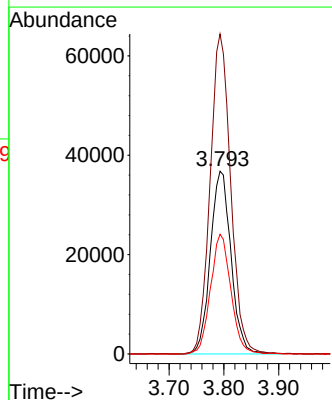
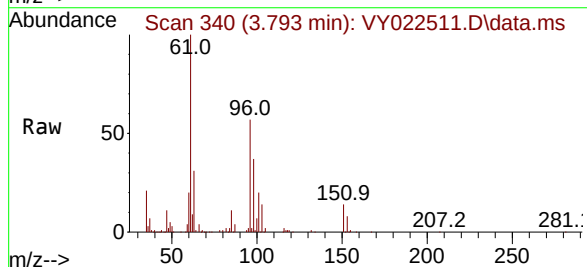
Tgt Ion: 96 Resp: 96260

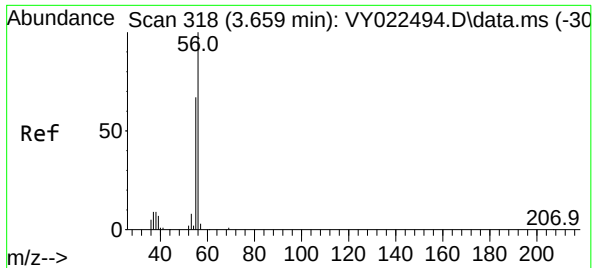
Ion Ratio Lower Upper

96 100

61 175.2 134.6 201.8

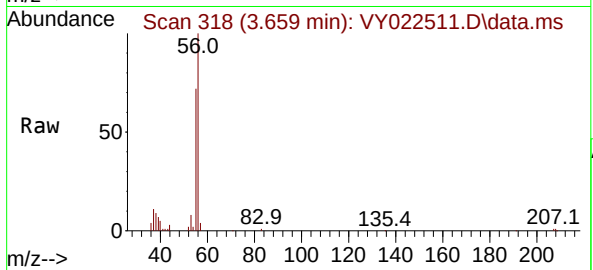
98 65.5 50.2 75.4





#13
Acrolein
Concen: 237.627 ug/l
RT: 3.659 min Scan# 318
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

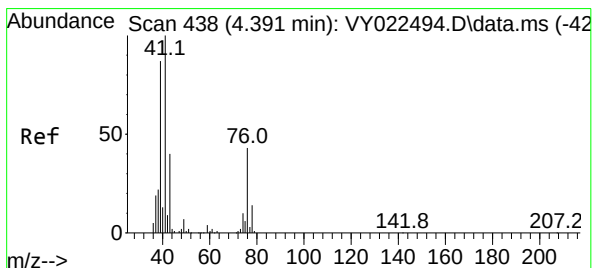
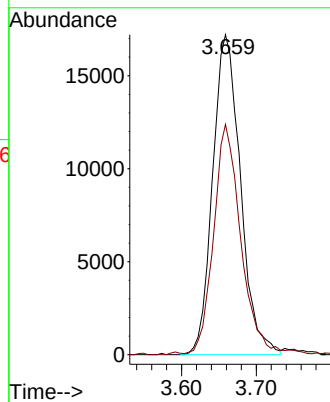
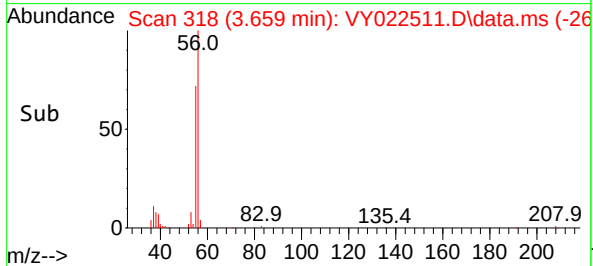
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



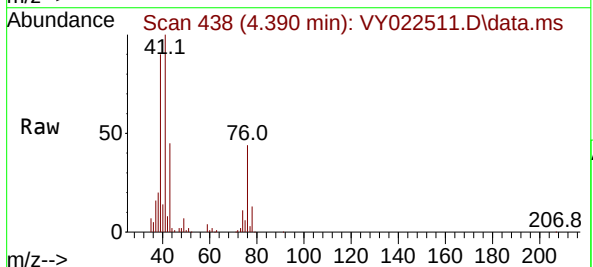
Tgt Ion: 56 Resp: 4442
Ion Ratio Lower Upper
56 100
55 69.8 57.0 85.6

Manual Integrations
APPROVED

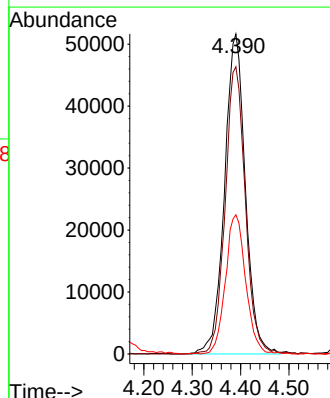
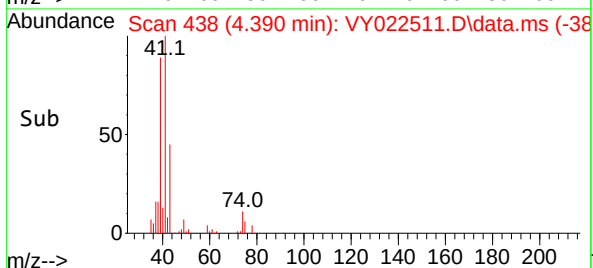
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

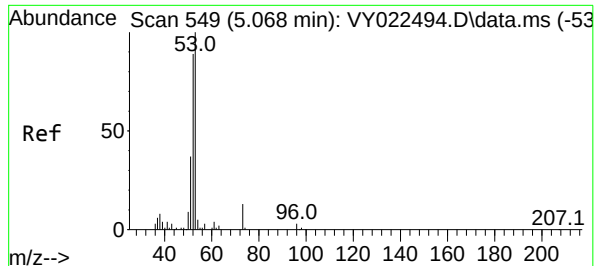


#14
Allyl chloride
Concen: 49.983 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03



Tgt Ion: 41 Resp: 154530
Ion Ratio Lower Upper
41 100
39 87.1 69.1 103.7
76 42.3 33.5 50.3





#15

Acrylonitrile

Concen: 253.468 ug/l

RT: 5.067 min Scan# 549

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 118258

Ion Ratio Lower Upper

53 100

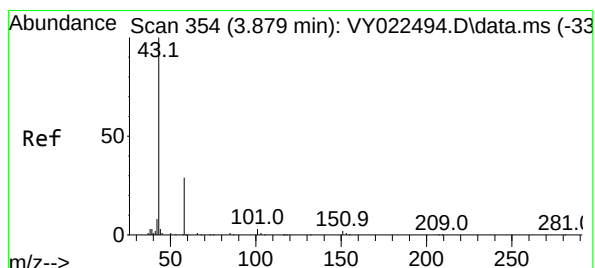
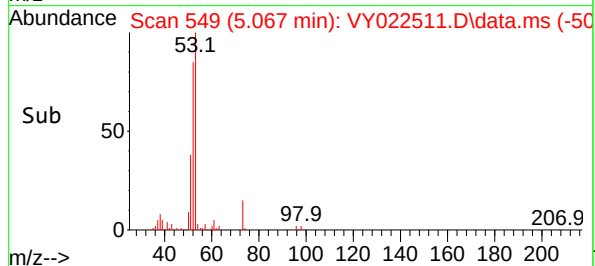
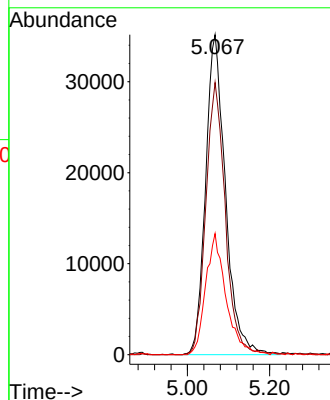
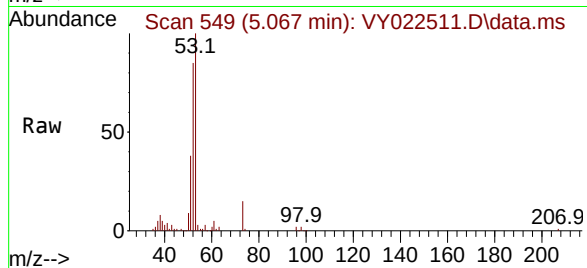
52 83.1 65.7 98.5

51 38.7 30.1 45.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#16

Acetone

Concen: 214.391 ug/l

RT: 3.884 min Scan# 355

Delta R.T. 0.006 min

Lab File: VY022511.D

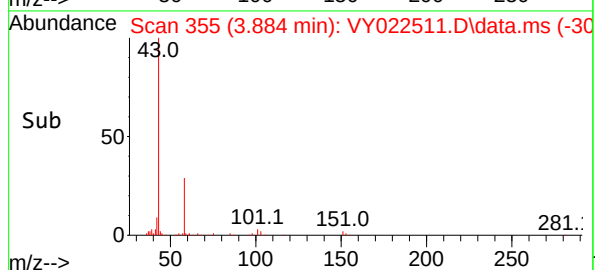
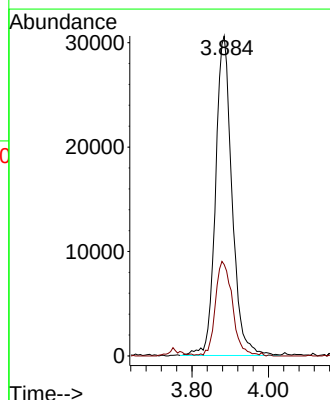
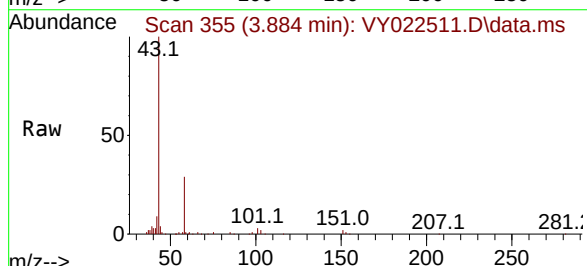
Acq: 03 Jun 2025 10:03

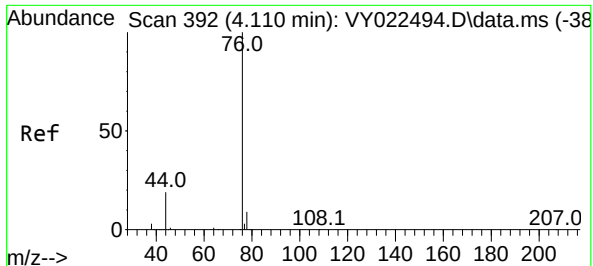
Tgt Ion: 43 Resp: 91451

Ion Ratio Lower Upper

43 100

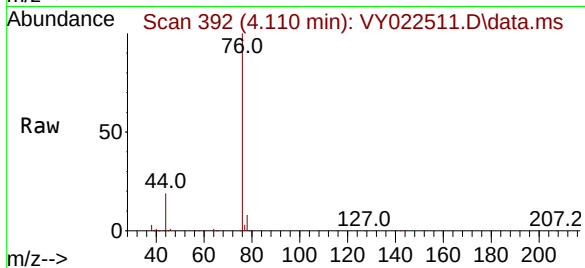
58 28.6 24.0 36.0





#17
Carbon Disulfide
Concen: 50.043 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

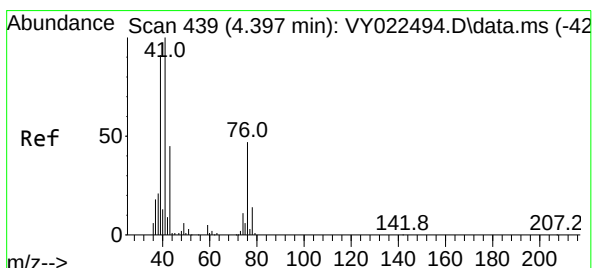
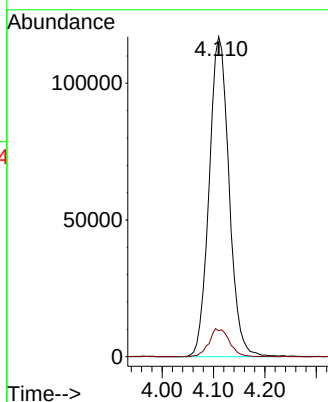
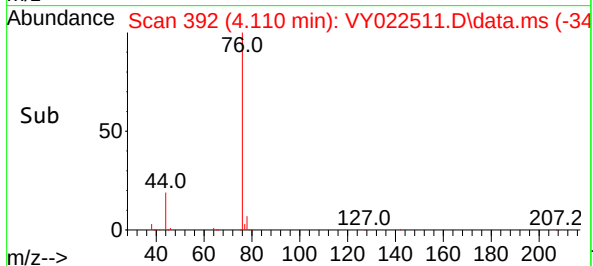
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



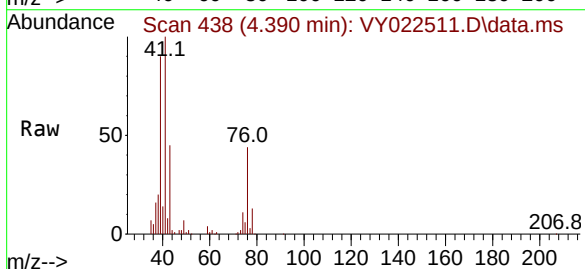
Tgt Ion: 76 Resp: 315520
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.2

Manual Integrations
APPROVED

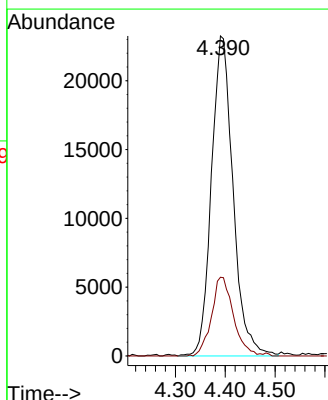
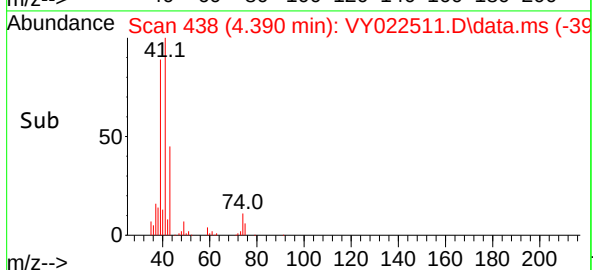
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

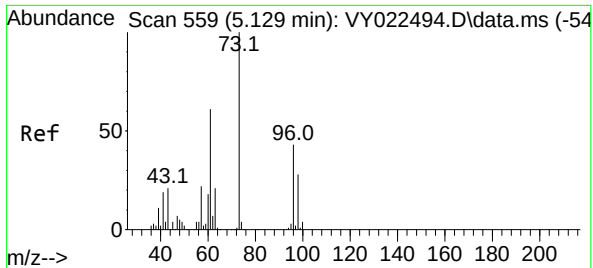


#18
Methyl Acetate
Concen: 55.372 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.007 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03



Tgt Ion: 43 Resp: 69944
Ion Ratio Lower Upper
43 100
74 25.0 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 50.593 ug/l

RT: 5.128 min Scan# 51

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 28063

Ion Ratio Lower Upper

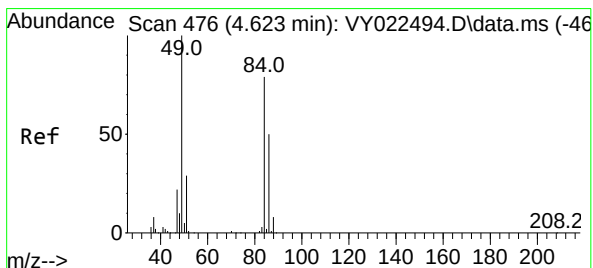
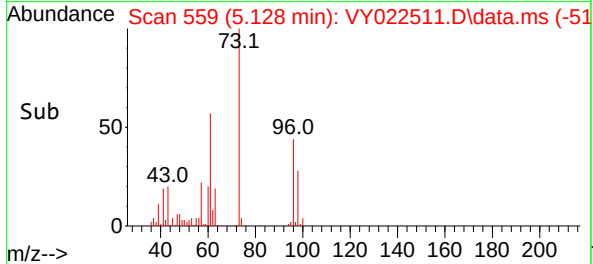
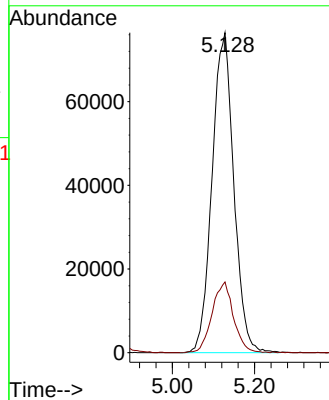
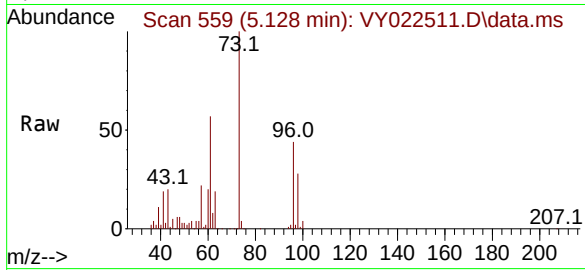
73 100

57 22.1 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#20

Methylene Chloride

Concen: 44.882 ug/l

RT: 4.622 min Scan# 476

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Tgt Ion: 84 Resp: 108749

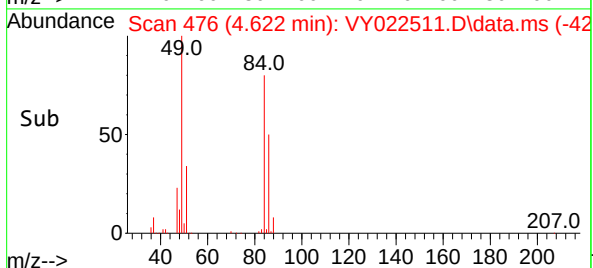
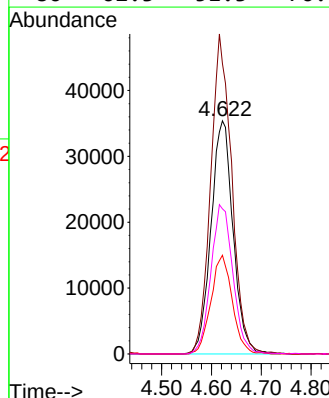
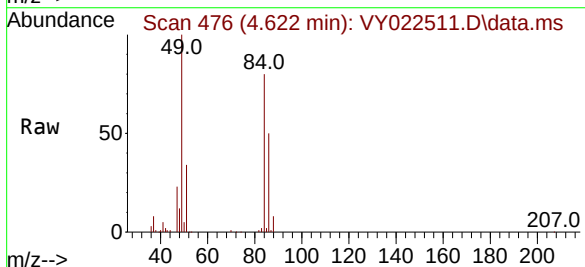
Ion Ratio Lower Upper

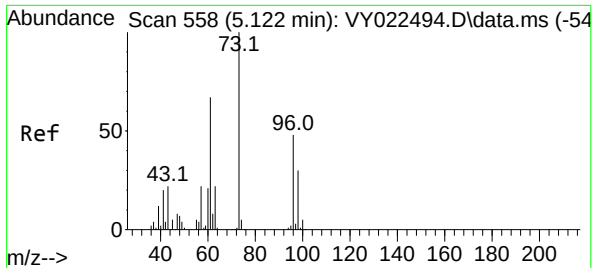
84 100

49 124.6 101.9 152.9

51 42.4 29.8 44.8

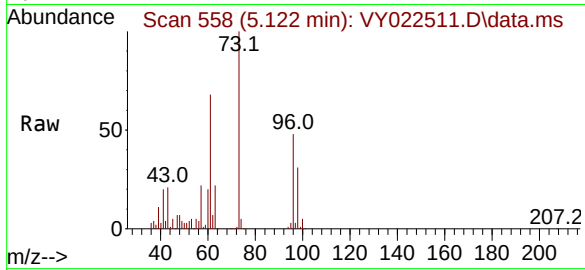
86 62.3 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 50.918 ug/l
RT: 5.122 min Scan# 511
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

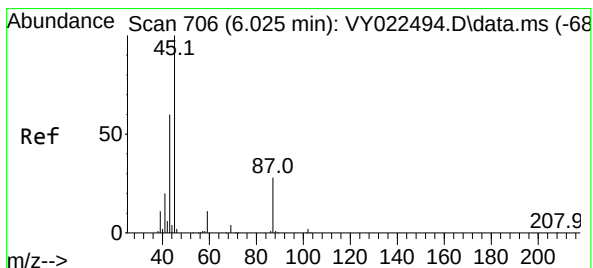
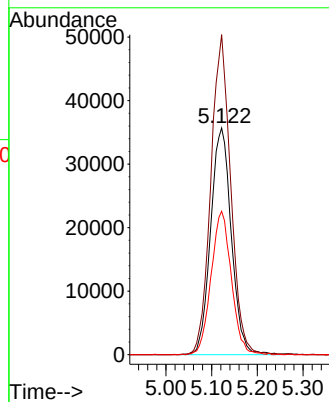
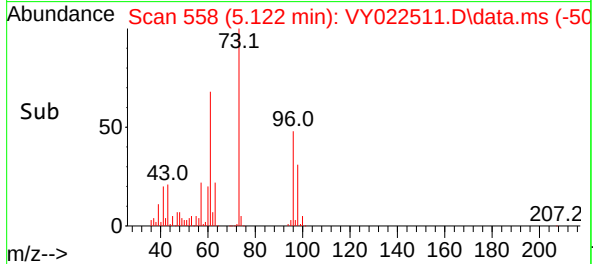
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 112230
Ion Ratio Lower Upper
96 100
61 141.1 112.6 169.0
98 63.1 50.6 75.8

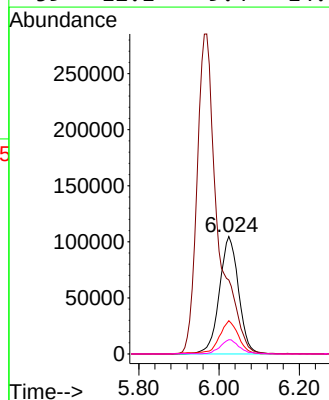
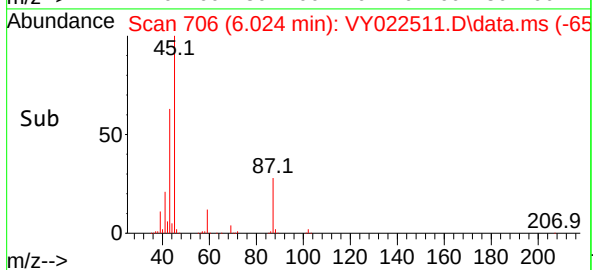
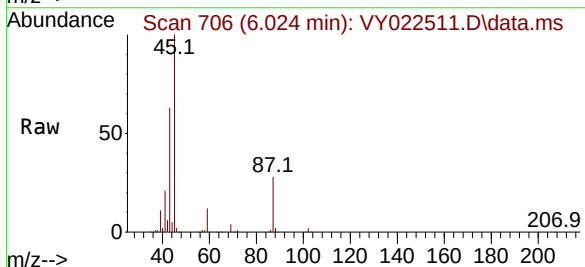
Manual Integrations
APPROVED

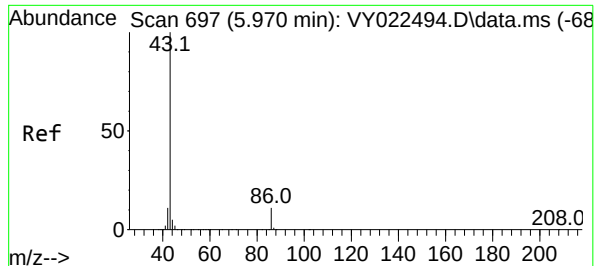
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#22
Diisopropyl ether
Concen: 50.496 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

Tgt Ion: 45 Resp: 347494
Ion Ratio Lower Upper
45 100
43 62.6 48.3 72.5
87 28.3 23.0 34.6
59 12.1 9.4 14.0





#23

Vinyl Acetate

Concen: 250.435 ug/l

RT: 5.969 min Scan# 697

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1020040

Ion Ratio Lower Upper

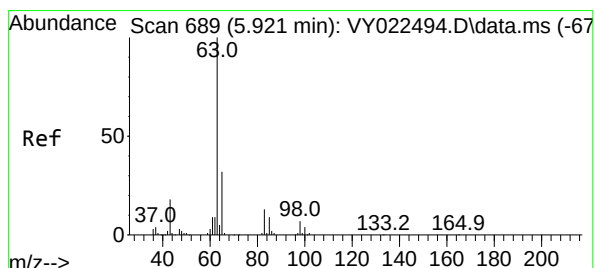
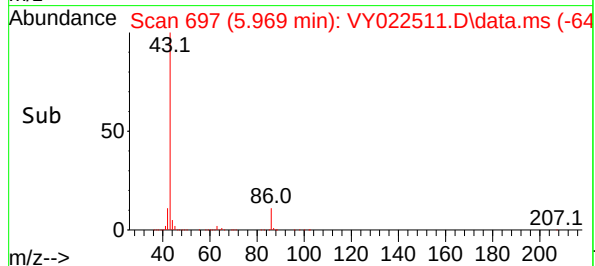
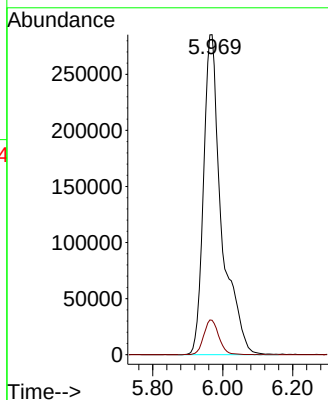
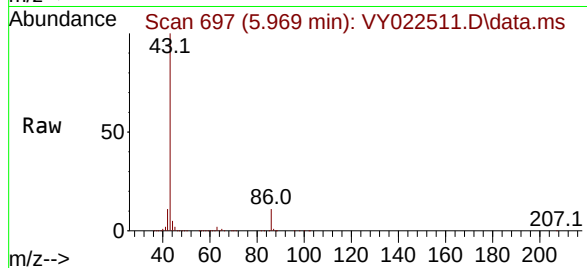
43 100

86 10.7 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#24

1,1-Dichloroethane

Concen: 51.165 ug/l

RT: 5.921 min Scan# 689

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

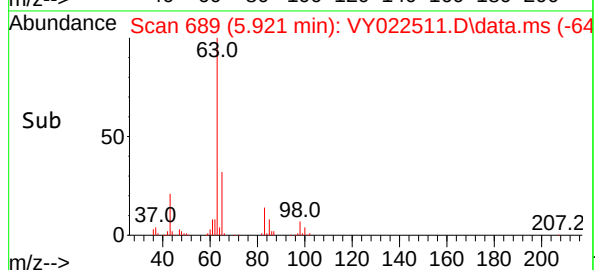
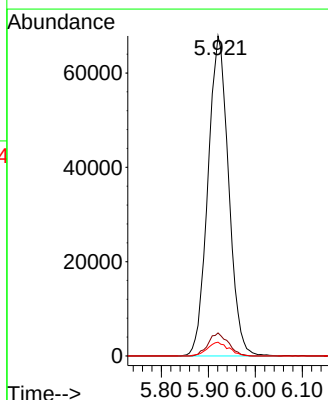
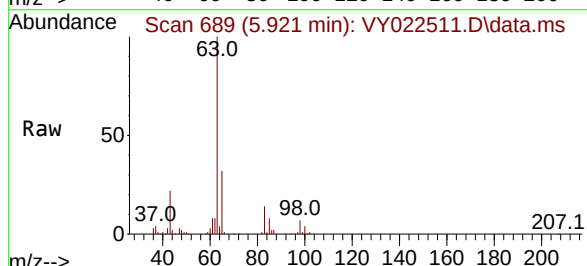
Tgt Ion: 63 Resp: 207429

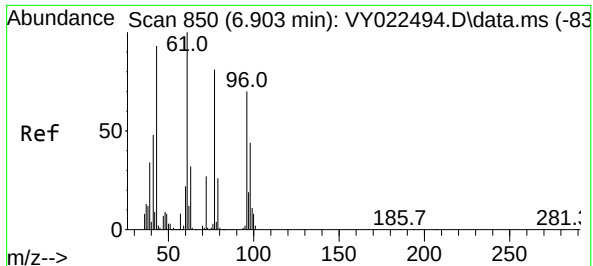
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 243.928 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 15008

Ion Ratio Lower Upper

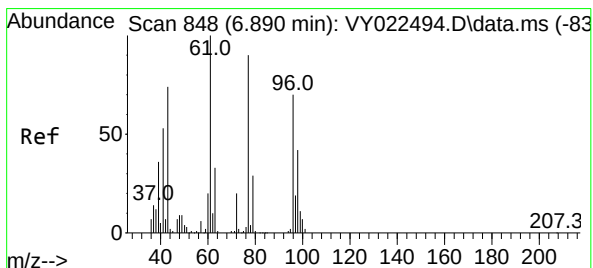
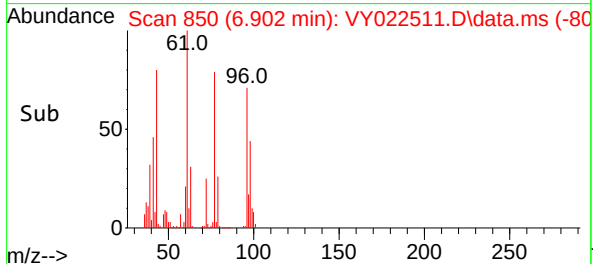
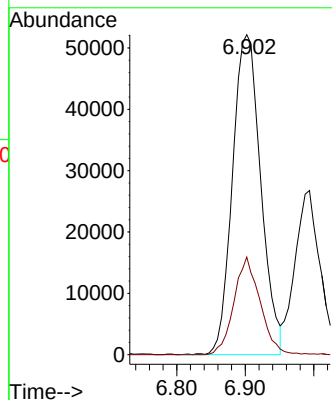
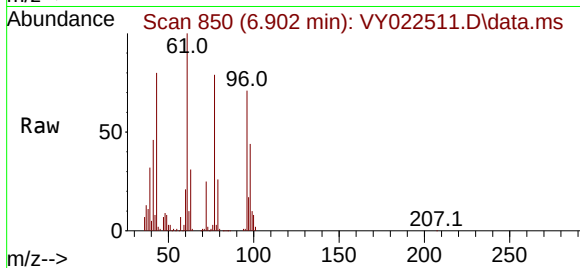
43 100

72 30.5 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#26

2,2-Dichloropropane

Concen: 50.109 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.001 min

Lab File: VY022511.D

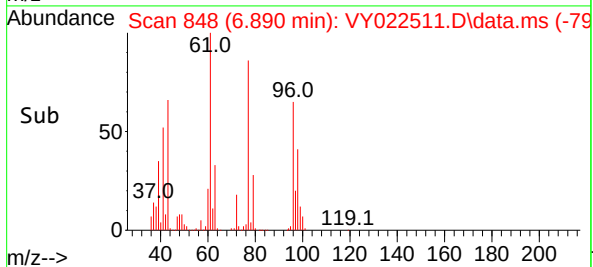
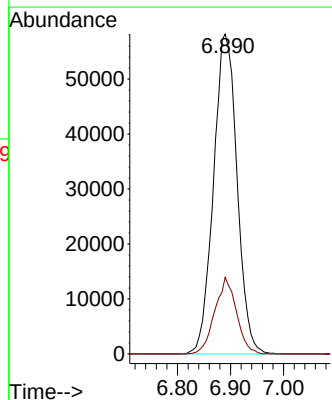
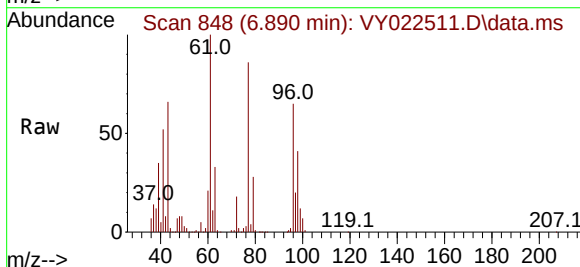
Acq: 03 Jun 2025 10:03

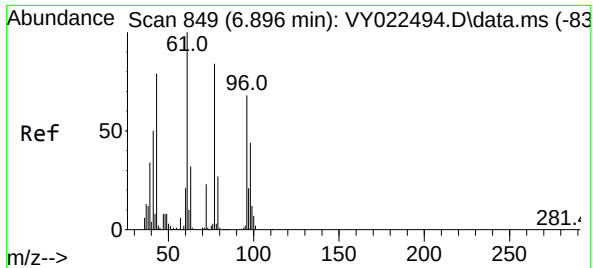
Tgt Ion: 77 Resp: 179492

Ion Ratio Lower Upper

77 100

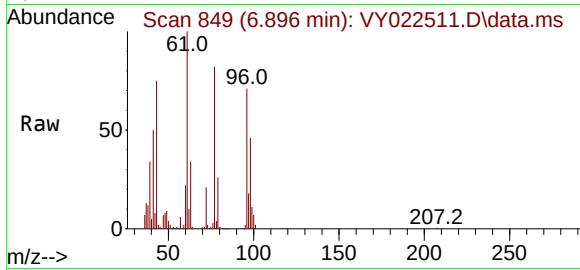
97 22.0 11.4 34.2





#27
 cis-1,2-Dichloroethene
 Concen: 51.693 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. -0.001 min
 Lab File: VY022511.D
 Acq: 03 Jun 2025 10:03

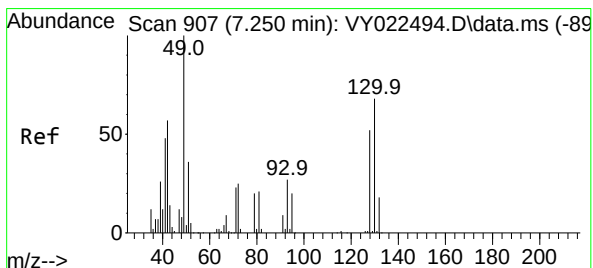
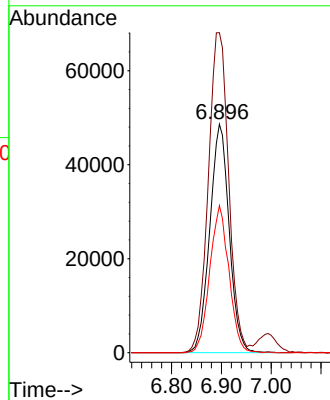
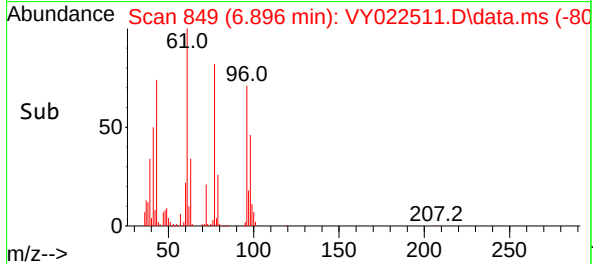
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 96 Resp: 131693
 Ion Ratio Lower Upper
 96 100
 61 147.2 0.0 290.0
 98 63.4 0.0 128.4

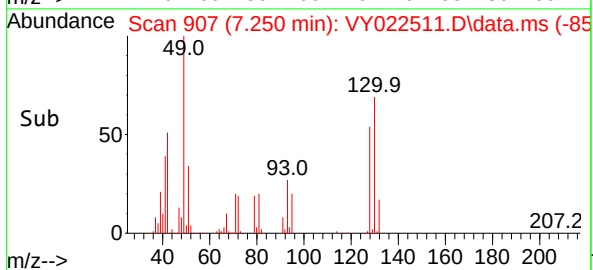
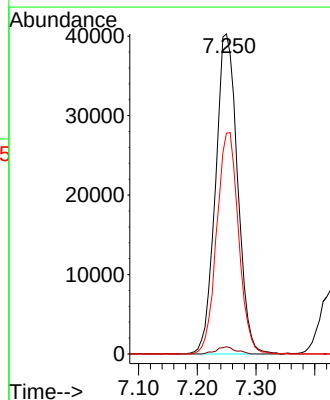
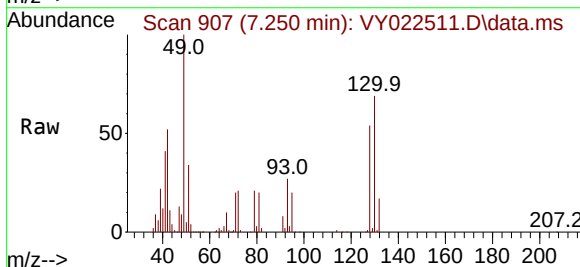
Manual Integrations
 APPROVED

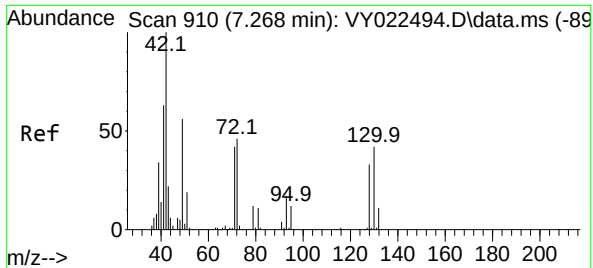
Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#28
 Bromochloromethane
 Concen: 59.357 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. -0.001 min
 Lab File: VY022511.D
 Acq: 03 Jun 2025 10:03

Tgt Ion: 49 Resp: 104897
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.6
 130 68.6 55.7 83.5





#29

Tetrahydrofuran

Concen: 252.240 ug/l

RT: 7.268 min Scan# 910

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 100100

Ion Ratio Lower Upper

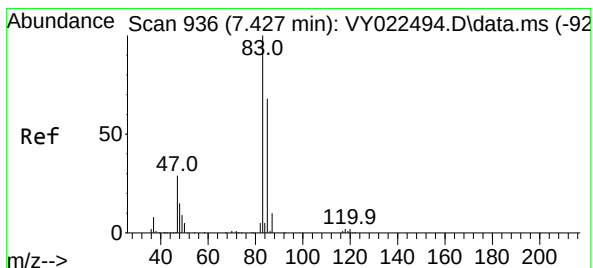
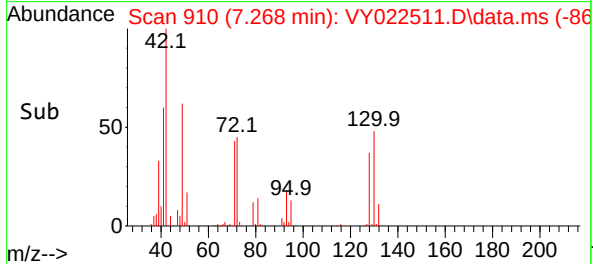
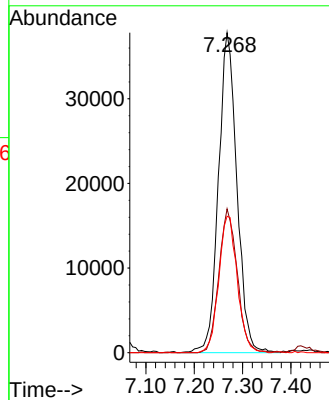
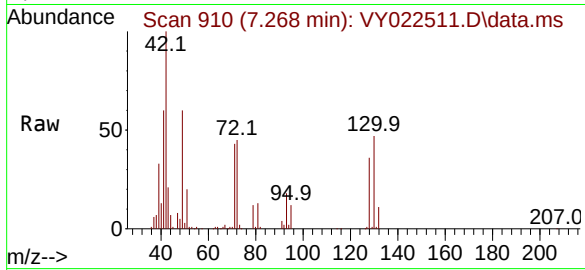
42 100

72 45.0 37.4 56.2

71 42.9 34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#30

Chloroform

Concen: 51.658 ug/l

RT: 7.426 min Scan# 936

Delta R.T. -0.001 min

Lab File: VY022511.D

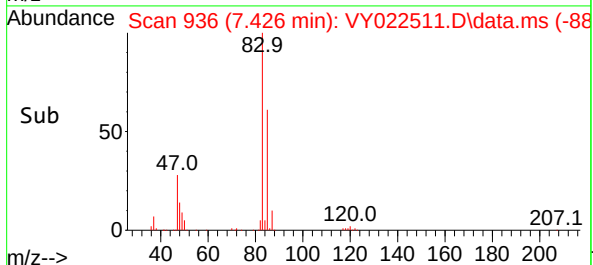
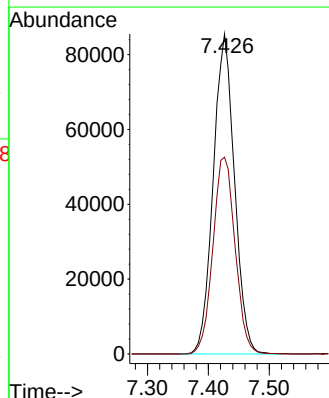
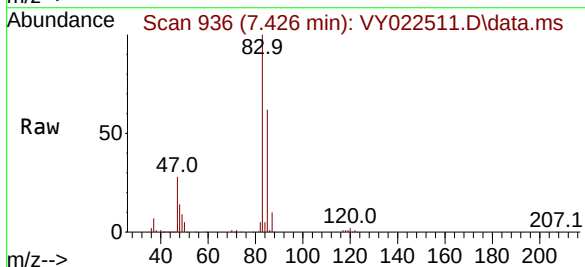
Acq: 03 Jun 2025 10:03

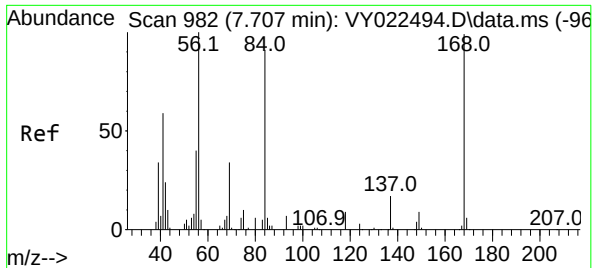
Tgt Ion: 83 Resp: 207435

Ion Ratio Lower Upper

83 100

85 61.5 54.2 81.4





#31

Cyclohexane

Concen: 45.846 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 185038

Ion Ratio Lower Upper

56 100

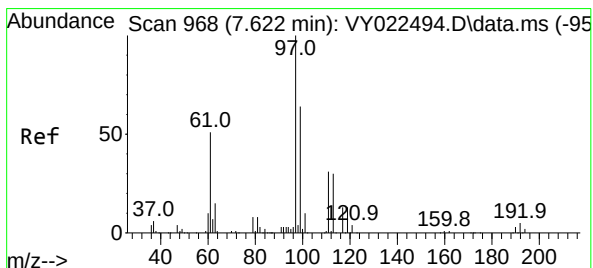
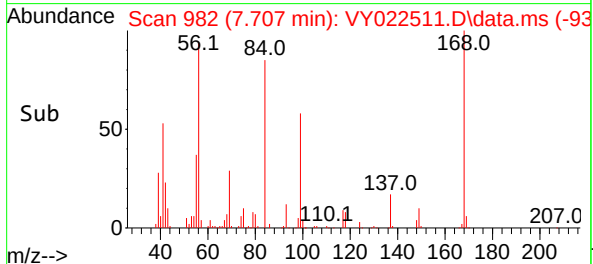
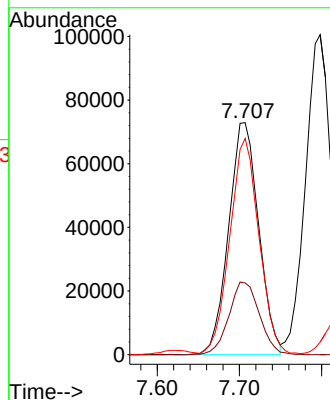
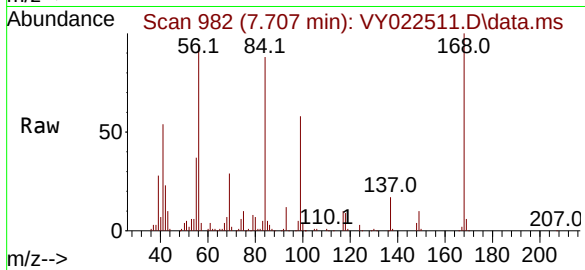
69 30.9 27.0 40.6

84 91.4 72.6 109.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#32

1,1,1-Trichloroethane

Concen: 51.007 ug/l

RT: 7.621 min Scan# 968

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

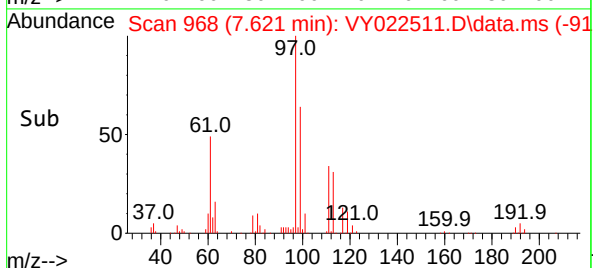
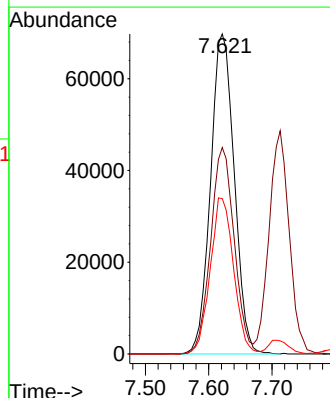
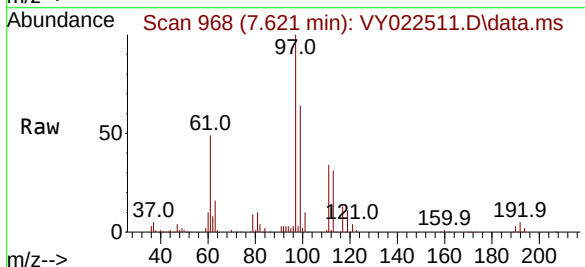
Tgt Ion: 97 Resp: 181822

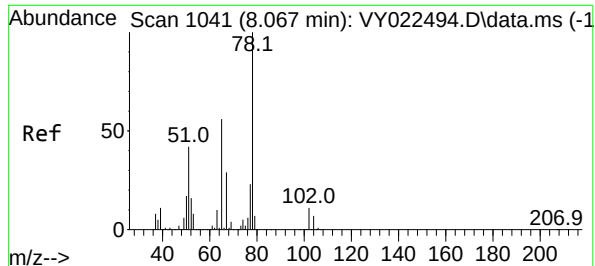
Ion Ratio Lower Upper

97 100

99 64.1 50.9 76.3

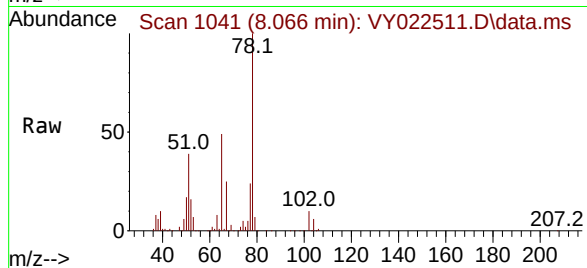
61 48.1 38.5 57.7





#33
1,2-Dichloroethane-d4
Concen: 51.532 ug/l
RT: 8.066 min Scan# 1041
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

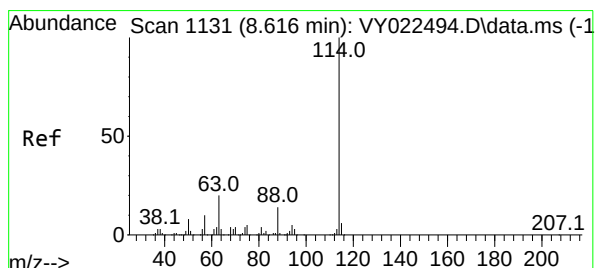
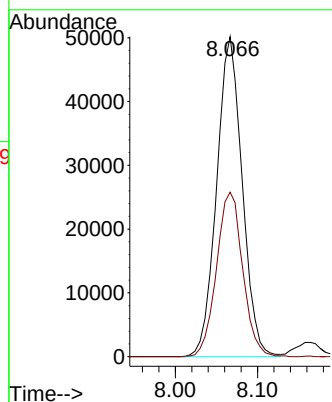
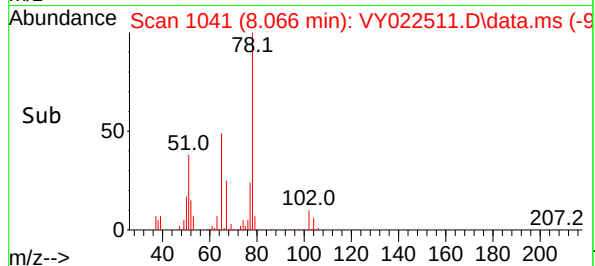
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 65 Resp: 108238
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4

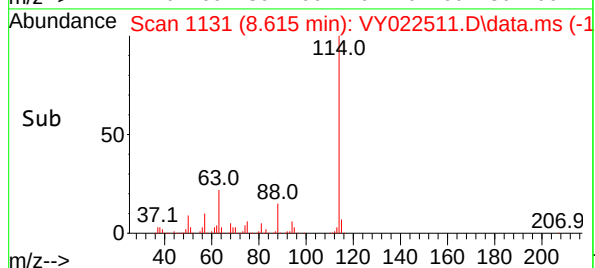
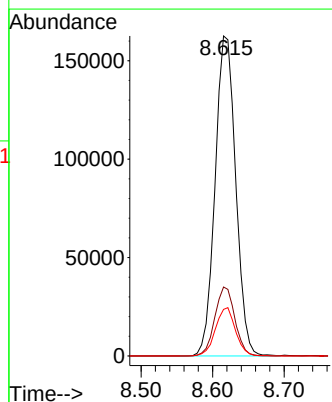
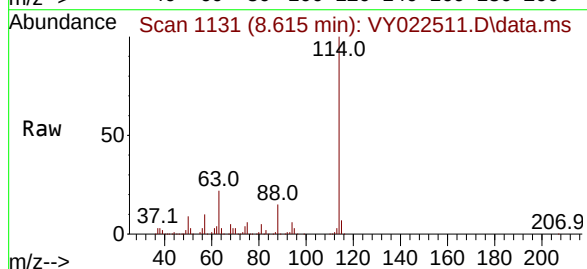
Manual Integrations
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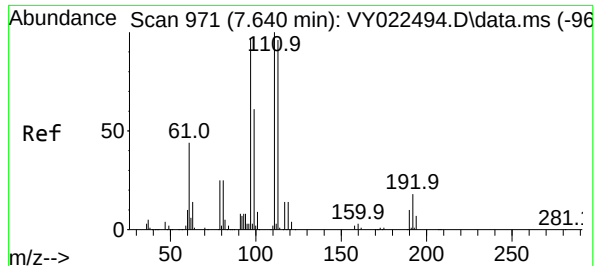
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

Tgt Ion:114 Resp: 325302
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 14.5 0.0 27.8





#35

Dibromofluoromethane

Concen: 50.202 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 97475

Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

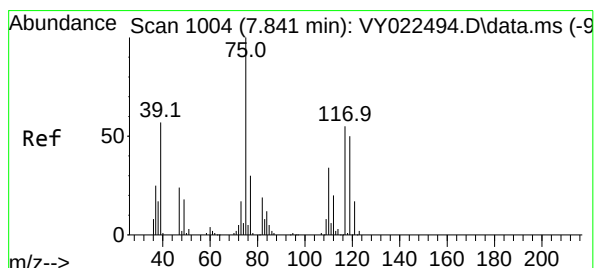
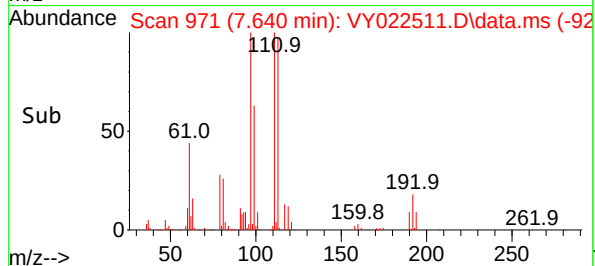
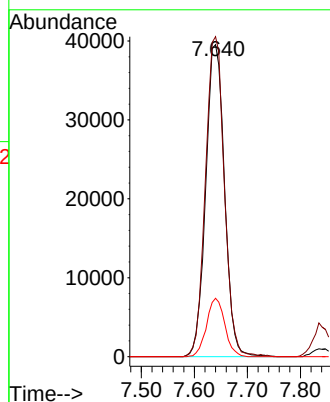
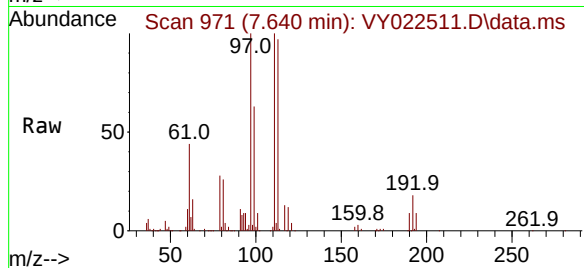
192 18.2 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#36

1,1-Dichloropropene

Concen: 48.633 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

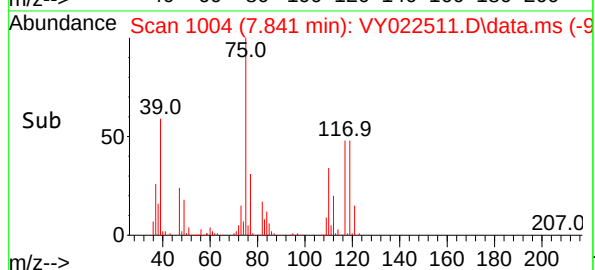
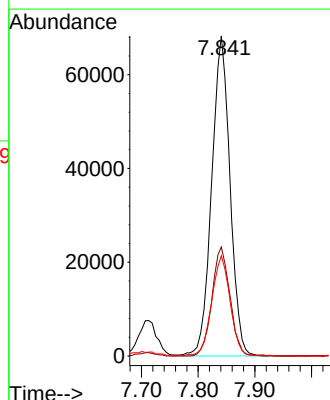
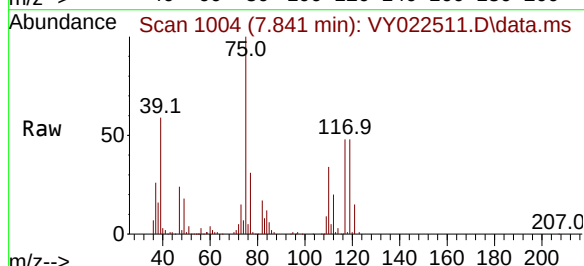
Tgt Ion: 75 Resp: 153258

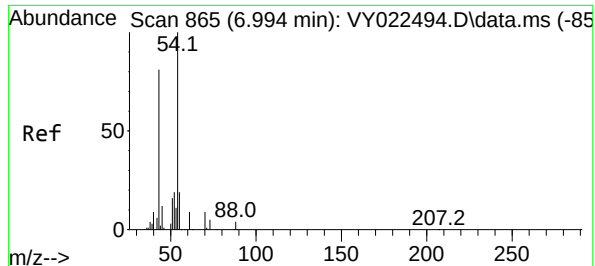
Ion Ratio Lower Upper

75 100

110 33.3 16.9 50.7

77 31.4 24.8 37.2





#37

Ethyl Acetate

Concen: 49.352 ug/l

RT: 6.994 min Scan# 865

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 69350

Ion Ratio Lower Upper

43 100

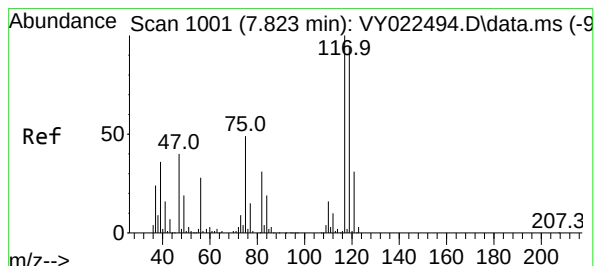
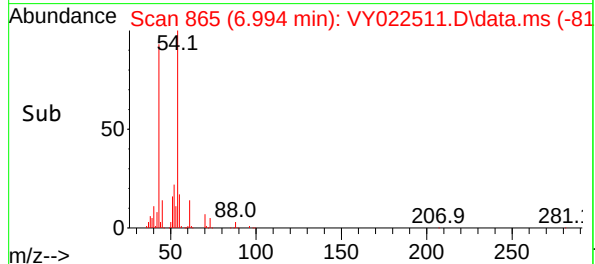
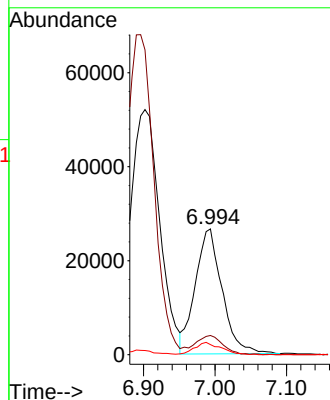
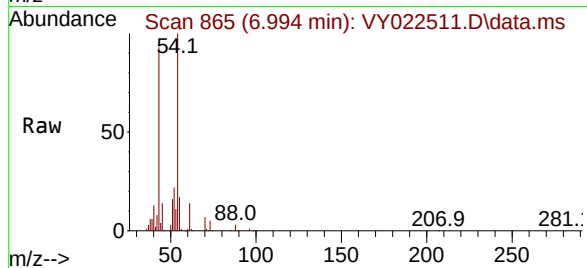
61 14.9 11.5 17.3

70 9.7 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#38

Carbon Tetrachloride

Concen: 48.960 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

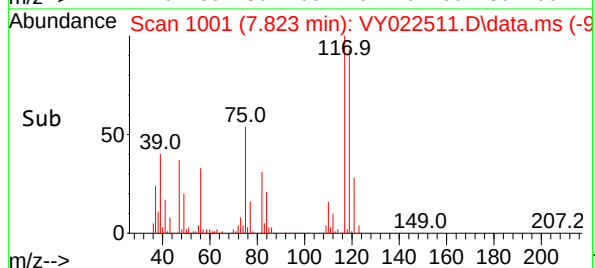
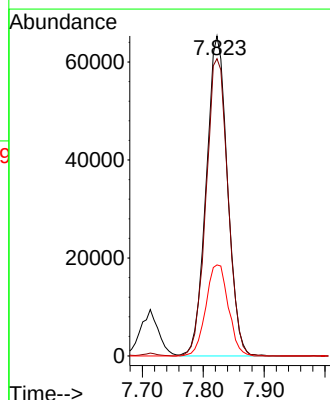
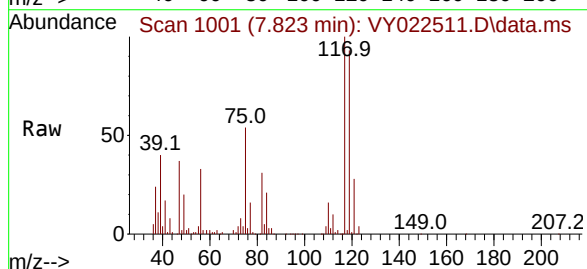
Tgt Ion:117 Resp: 158278

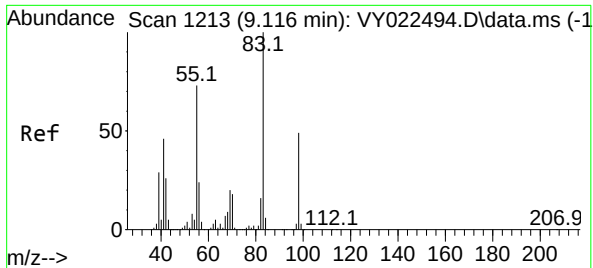
Ion Ratio Lower Upper

117 100

119 92.9 75.0 112.6

121 28.4 25.0 37.4





#39

Methylcyclohexane

Concen: 47.312 ug/l

RT: 9.115 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY022511.D

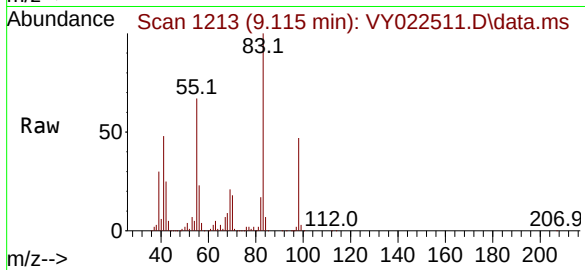
Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 83 Resp: 20036

Ion Ratio Lower Upper

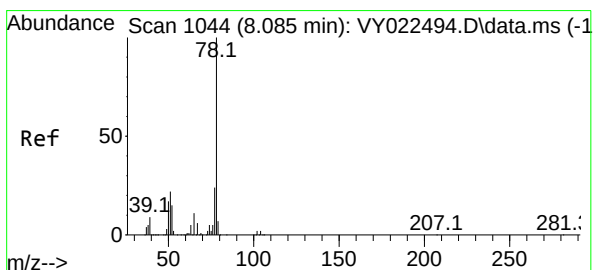
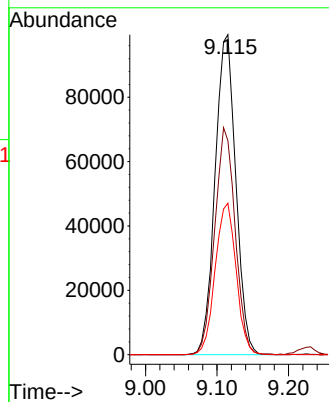
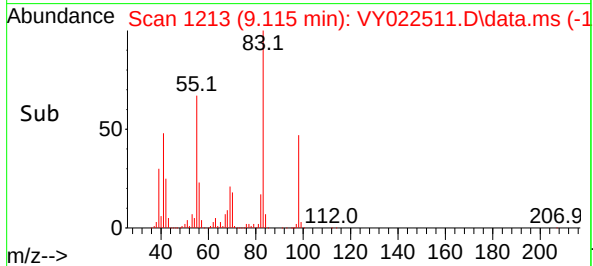
83 100

55 66.9 58.1 87.1

98 47.3 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#40

Benzene

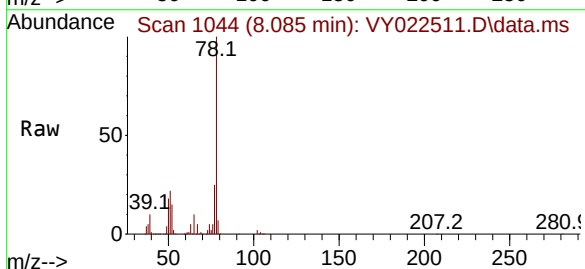
Concen: 50.204 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

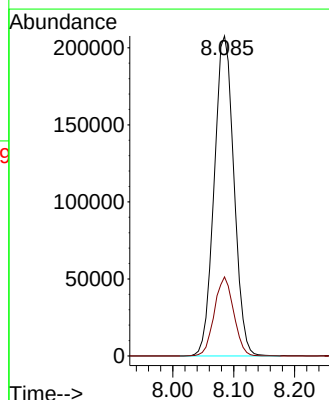
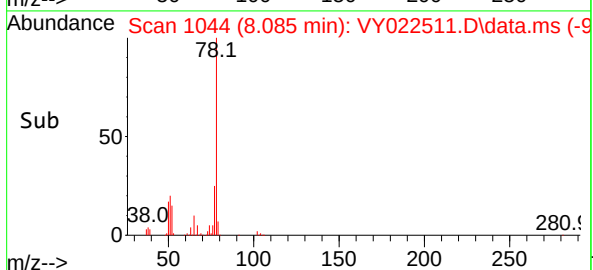


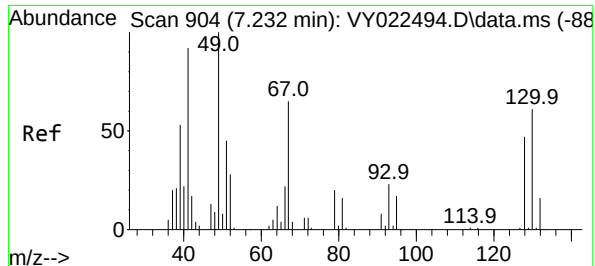
Tgt Ion: 78 Resp: 467282

Ion Ratio Lower Upper

78 100

77 24.7 19.3 28.9





#41

Methacrylonitrile

Concen: 50.197 ug/l m

RT: 7.225 min Scan# 904

Delta R.T. -0.007 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 41208

Ion Ratio Lower Upper

41 100

39 56.3 46.6 69.8

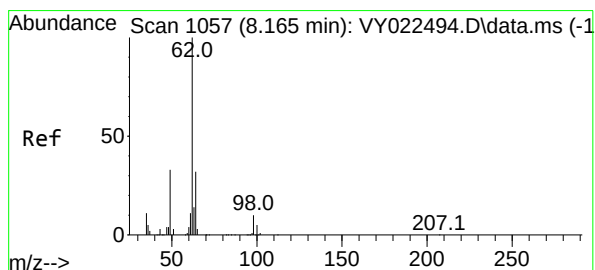
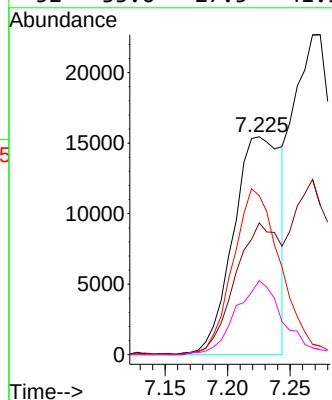
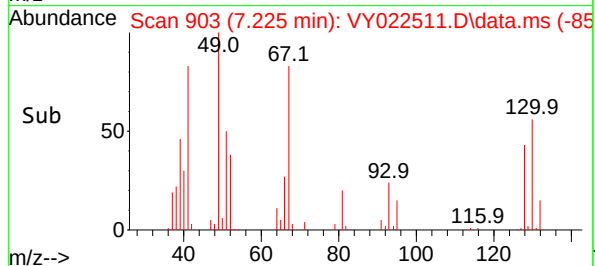
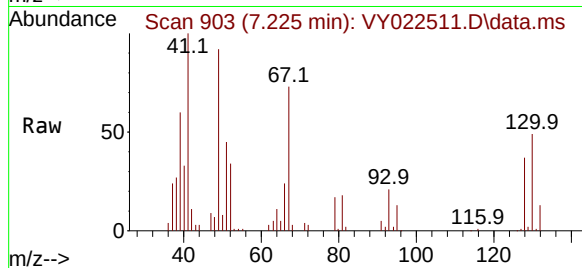
67 76.2 63.3 94.9

52 33.6 27.5 41.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#42

1,2-Dichloroethane

Concen: 50.581 ug/l

RT: 8.164 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VY022511.D

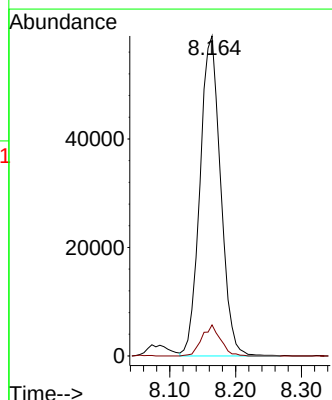
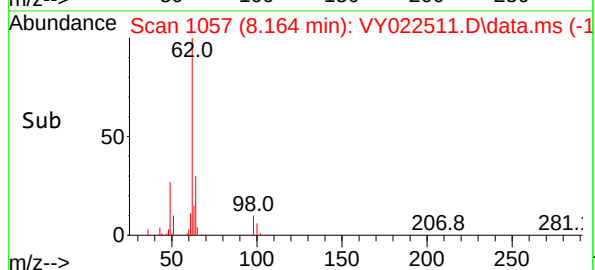
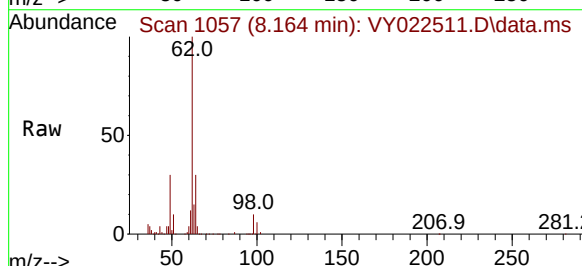
Acq: 03 Jun 2025 10:03

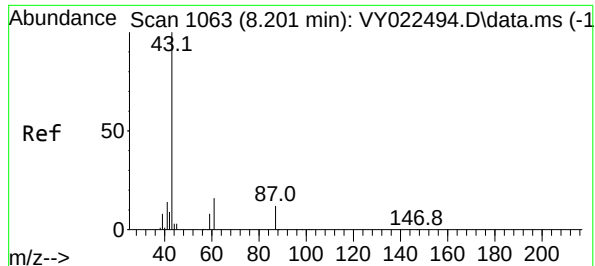
Tgt Ion: 62 Resp: 128548

Ion Ratio Lower Upper

62 100

98 8.8 0.0 19.2





#43

Isopropyl Acetate

Concen: 49.510 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 150269

Ion Ratio Lower Upper

43 100

61 19.2 15.6 23.4

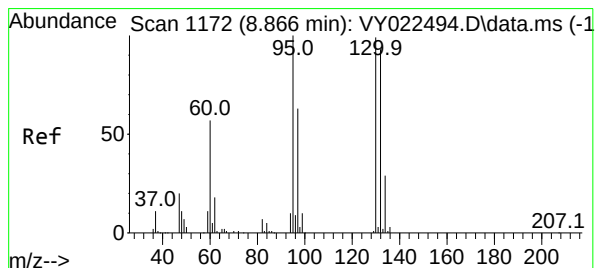
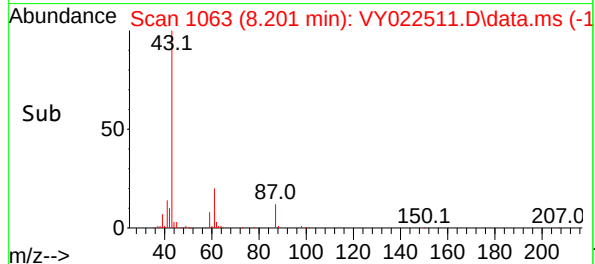
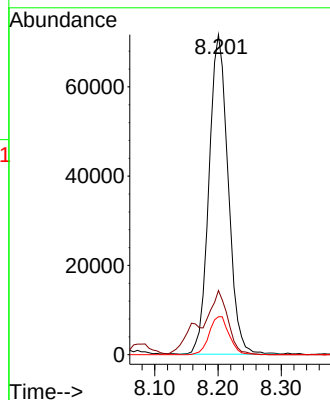
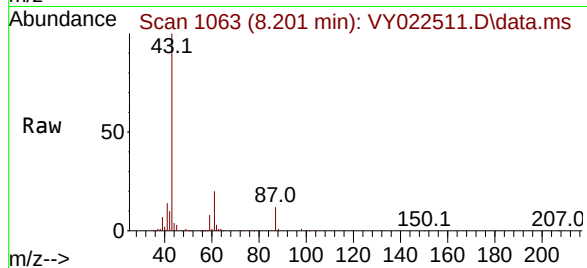
87 12.4 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#44

Trichloroethene

Concen: 49.009 ug/l

RT: 8.871 min Scan# 1173

Delta R.T. 0.006 min

Lab File: VY022511.D

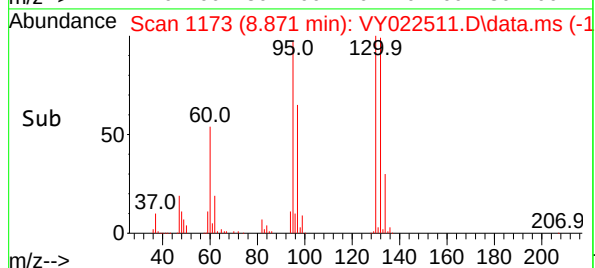
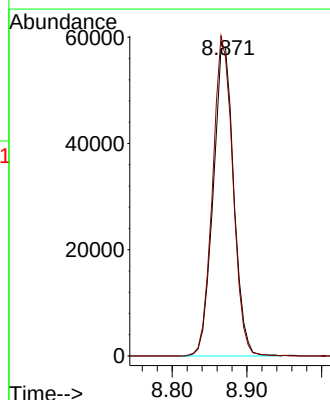
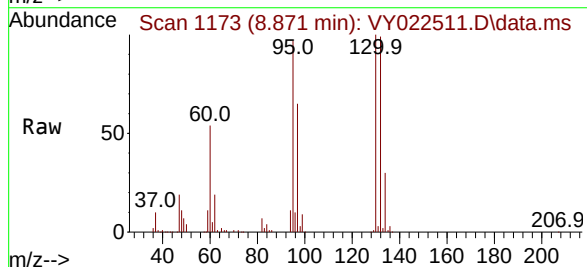
Acq: 03 Jun 2025 10:03

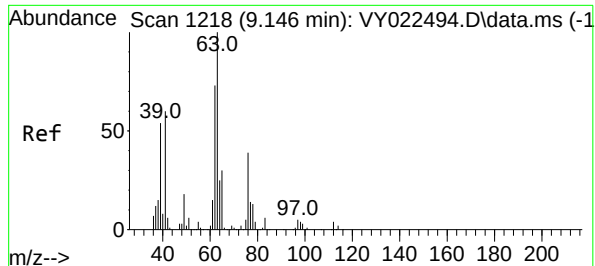
Tgt Ion:130 Resp: 111488

Ion Ratio Lower Upper

130 100

95 96.8 0.0 203.0





#45

1,2-Dichloropropane

Concen: 50.749 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 11163

Ion Ratio Lower Upper

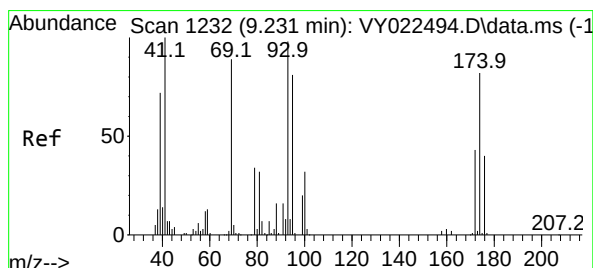
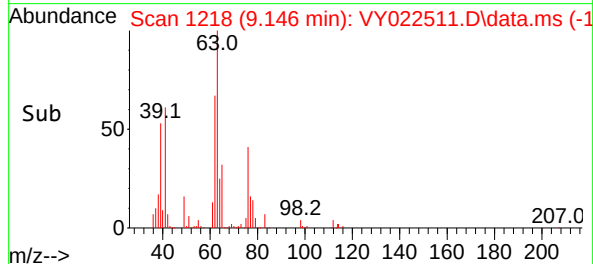
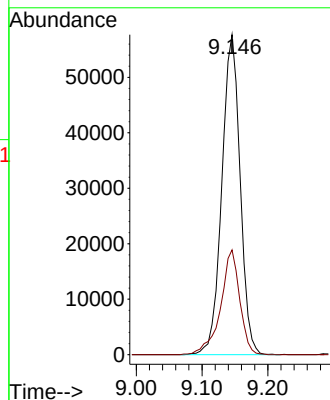
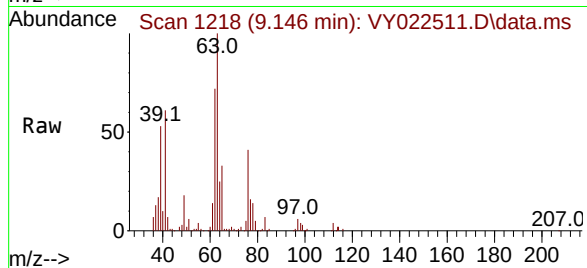
63 100

65 32.8 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#46

Dibromomethane

Concen: 50.378 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

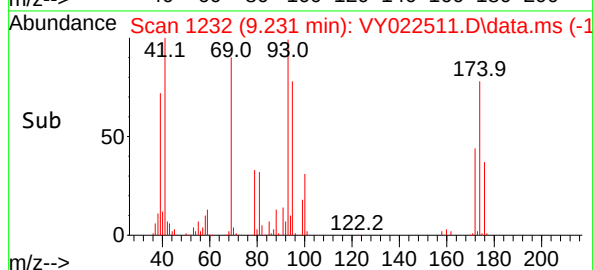
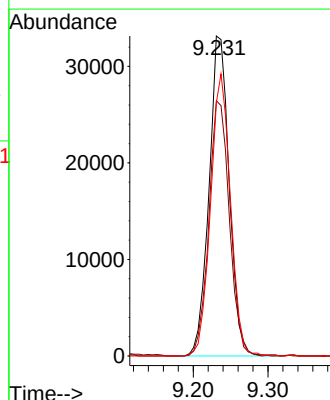
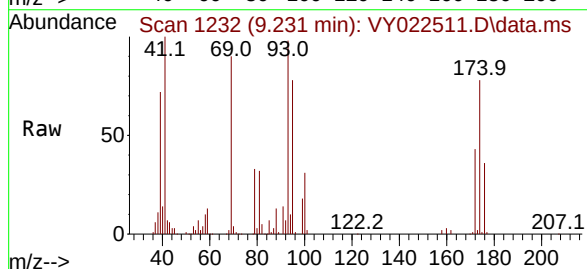
Tgt Ion: 93 Resp: 62344

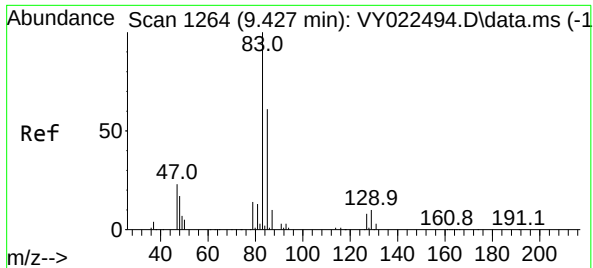
Ion Ratio Lower Upper

93 100

95 81.0 65.6 98.4

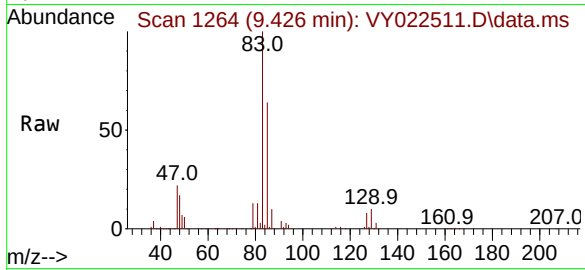
174 86.7 70.4 105.6





#47
Bromodichloromethane
Concen: 51.199 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

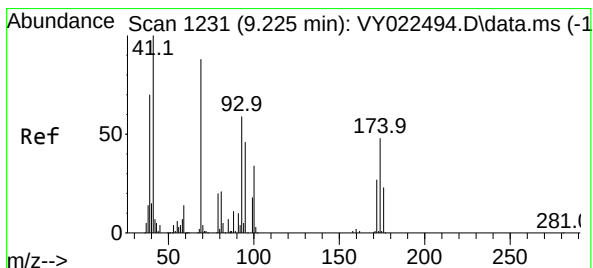
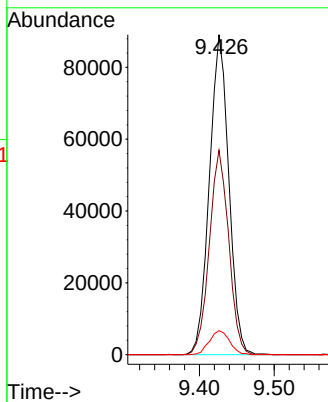
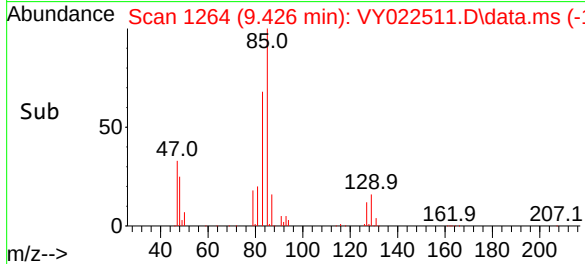
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



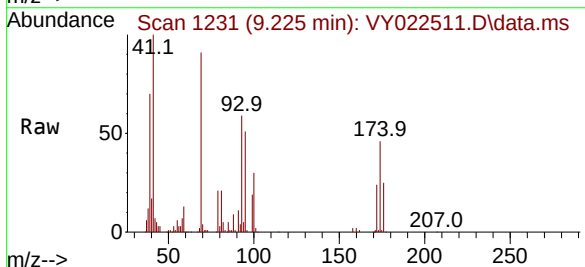
Tgt Ion: 83 Resp: 160659
Ion Ratio Lower Upper
83 100
85 63.9 49.1 73.7
127 7.5 6.2 9.4

Manual Integrations
APPROVED

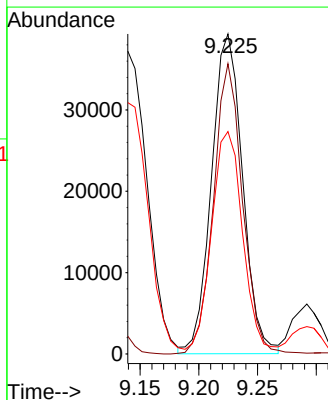
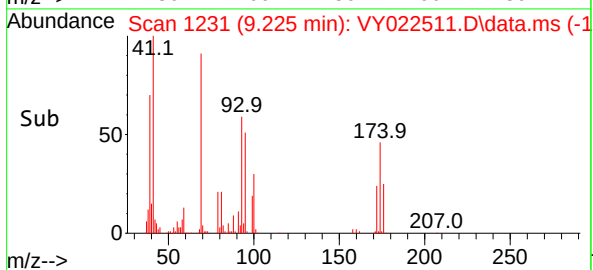
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

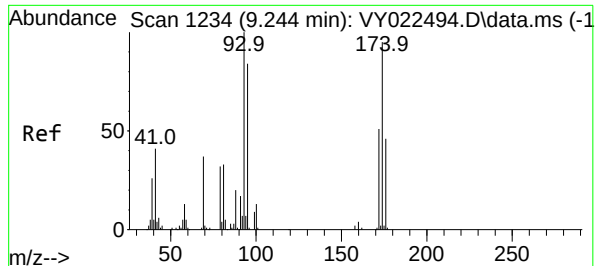


#48
Methyl methacrylate
Concen: 50.927 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03



Tgt Ion: 41 Resp: 72544
Ion Ratio Lower Upper
41 100
69 84.7 67.8 101.8
39 67.1 55.0 82.4





#49

1,4-Dioxane

Concen: 943.857 ug/l

RT: 9.243 min Scan# 1234

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 1383

Ion Ratio Lower Upper

88 100

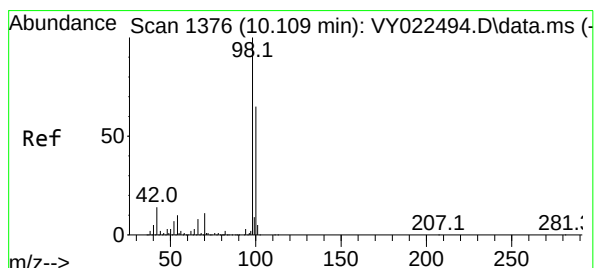
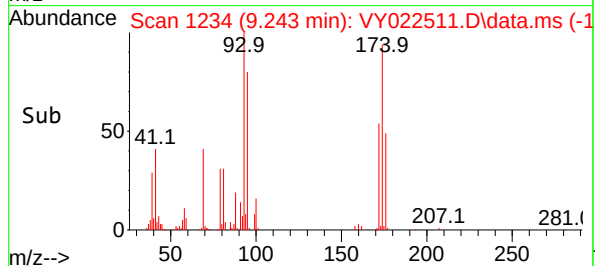
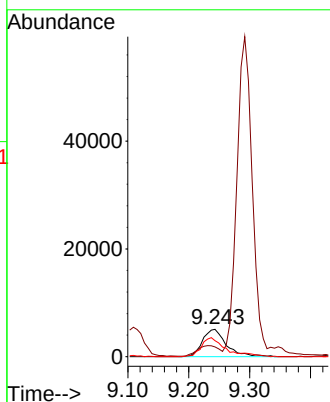
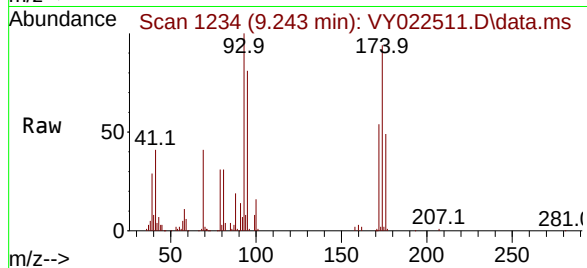
43 35.1 25.4 38.2

58 71.1 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#50

Toluene-d8

Concen: 50.750 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.001 min

Lab File: VY022511.D

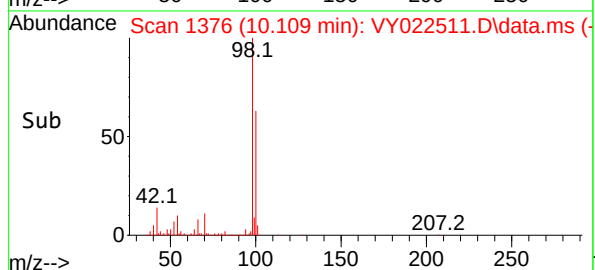
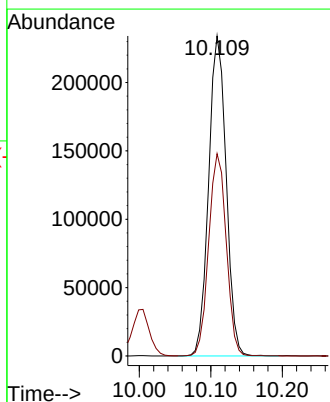
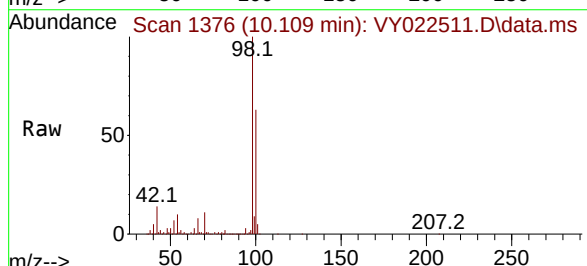
Acq: 03 Jun 2025 10:03

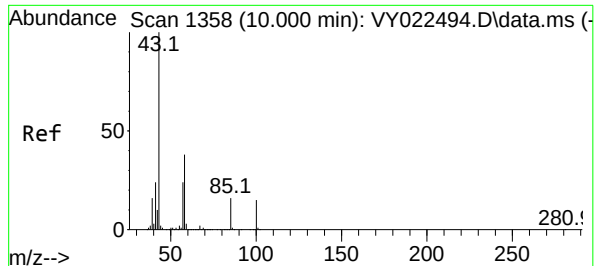
Tgt Ion: 98 Resp: 398159

Ion Ratio Lower Upper

98 100

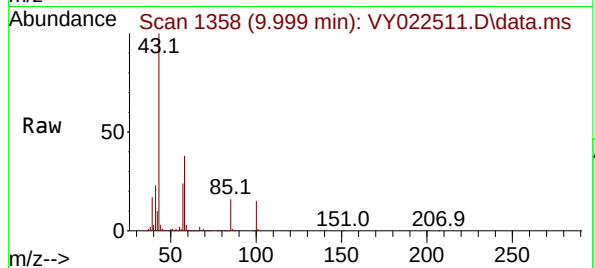
100 63.5 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 253.585 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

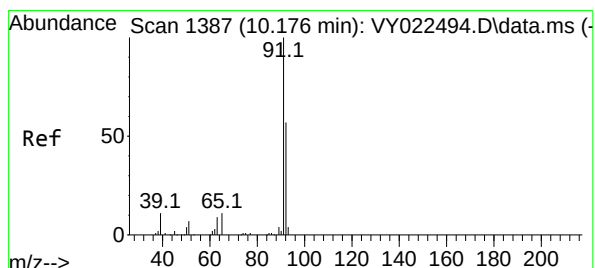
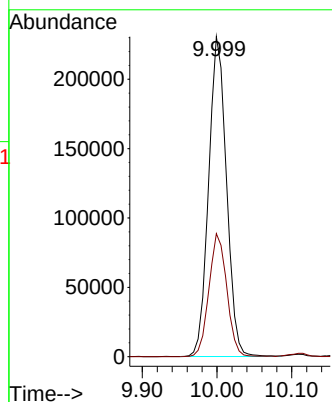
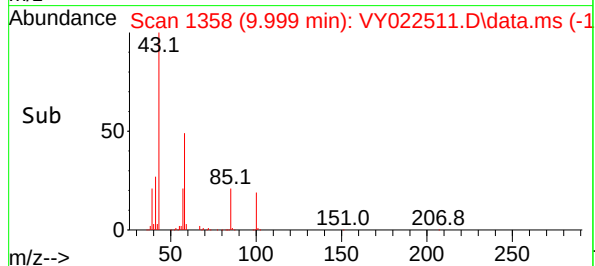
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 38373
Ion Ratio Lower Upper
43 100
58 38.5 30.4 45.6

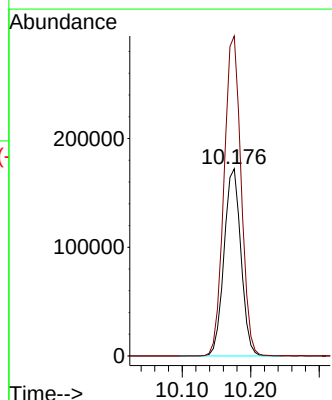
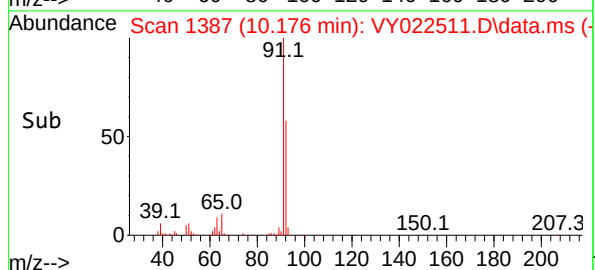
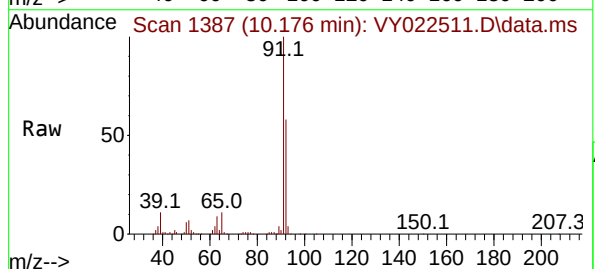
Manual Integrations
APPROVED

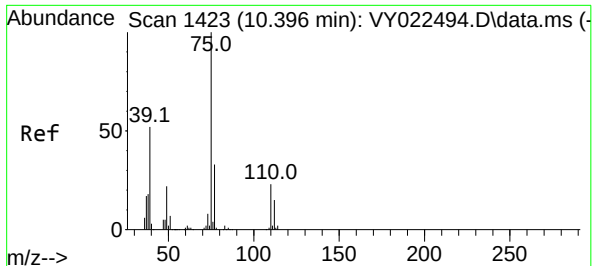
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#52
Toluene
Concen: 50.084 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

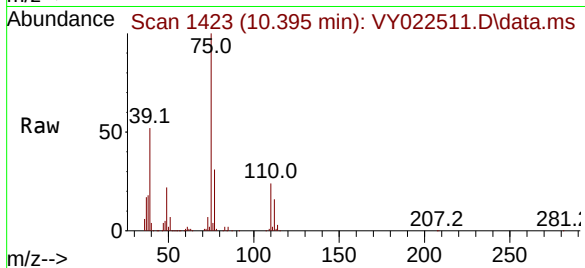
Tgt Ion: 92 Resp: 292952
Ion Ratio Lower Upper
92 100
91 173.2 139.0 208.4





#53
t-1,3-Dichloropropene
Concen: 50.914 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

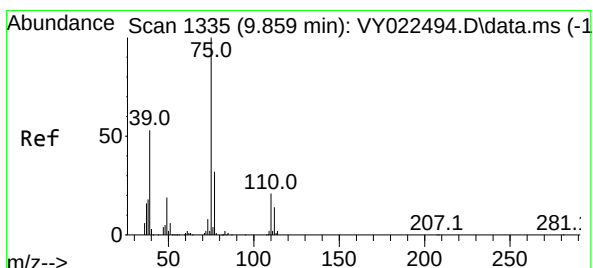
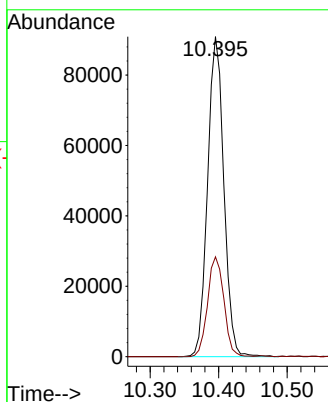
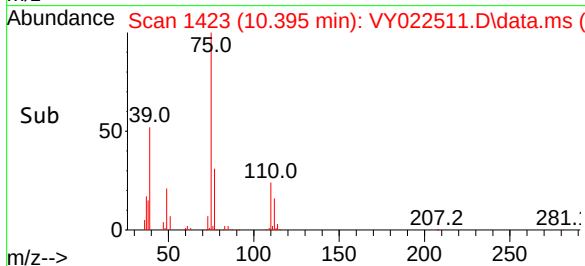
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 149694
Ion Ratio Lower Upper
75 100
77 31.2 26.5 39.7

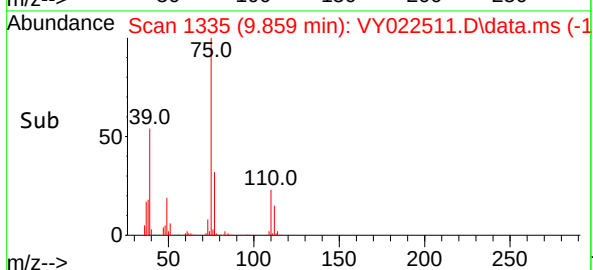
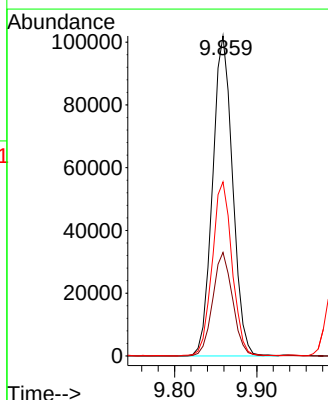
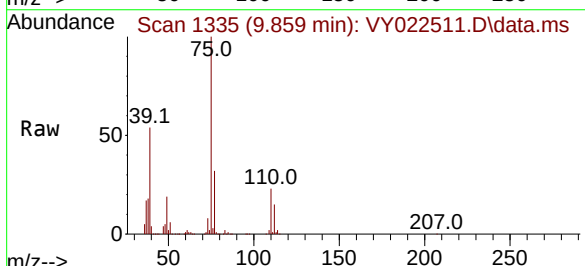
Manual Integrations
APPROVED

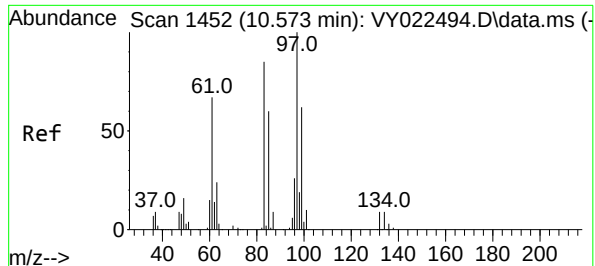
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#54
cis-1,3-Dichloropropene
Concen: 50.428 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

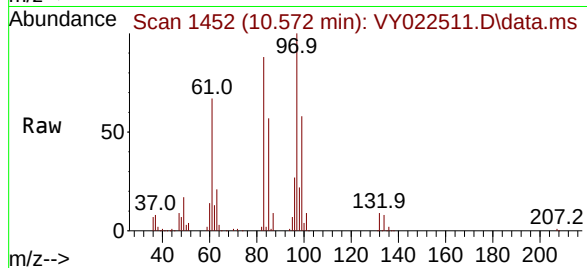
Tgt Ion: 75 Resp: 172592
Ion Ratio Lower Upper
75 100
77 32.4 25.3 37.9
39 54.4 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 50.121 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

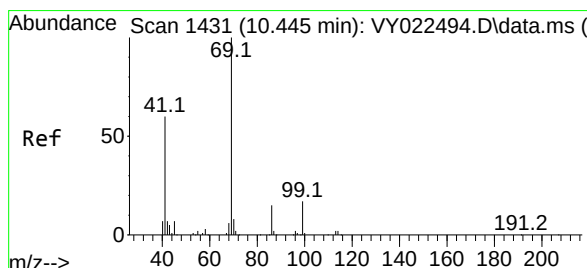
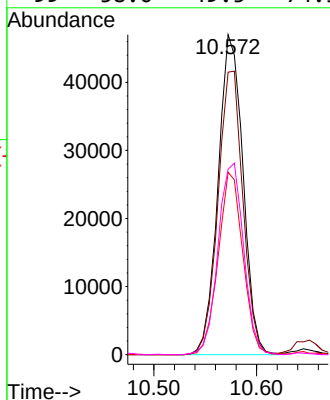
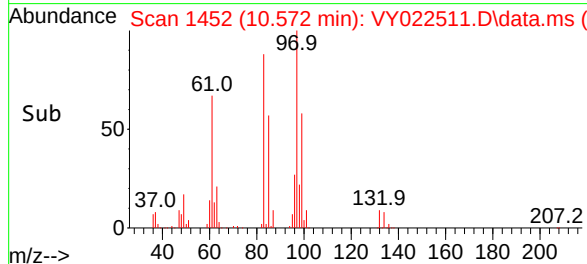
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



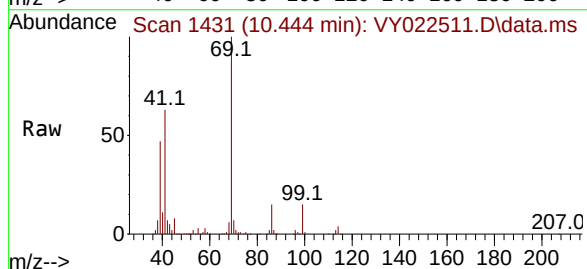
Tgt Ion: 97 Resp: 79092
Ion Ratio Lower Upper
97 100
83 88.3 68.1 102.1
85 57.0 48.2 72.2
99 58.0 49.5 74.3

Manual Integrations
APPROVED

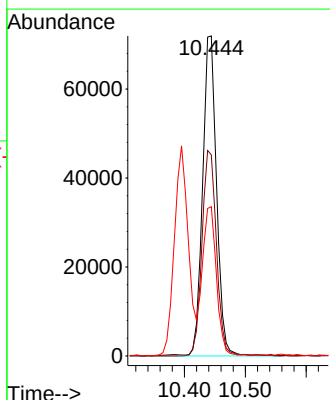
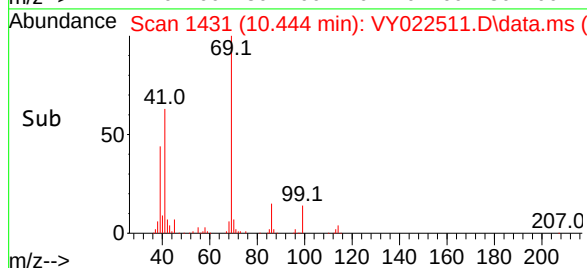
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

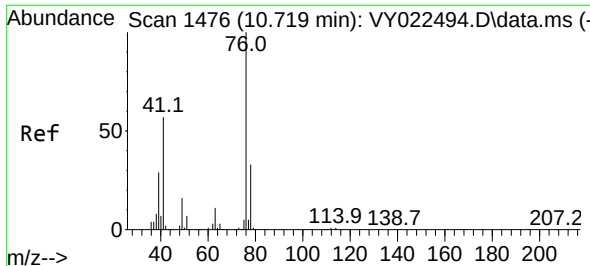


#56
Ethyl methacrylate
Concen: 50.203 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03



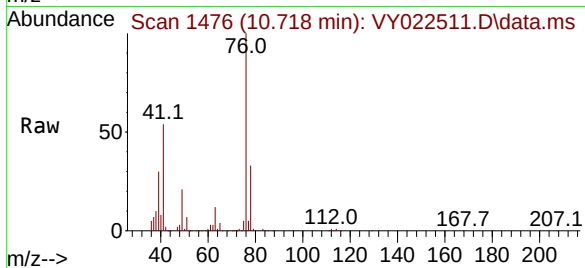
Tgt Ion: 69 Resp: 114501
Ion Ratio Lower Upper
69 100
41 65.5 52.2 78.2
39 46.7 36.7 55.1





#57
1,3-Dichloropropane
Concen: 49.900 ug/l
RT: 10.718 min Scan# 1476
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

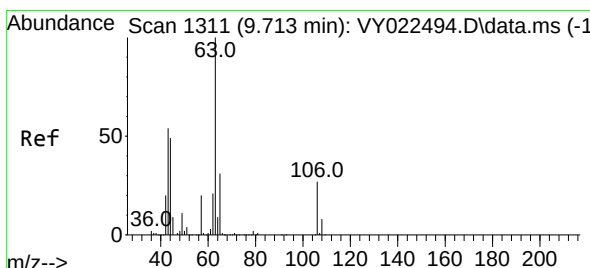
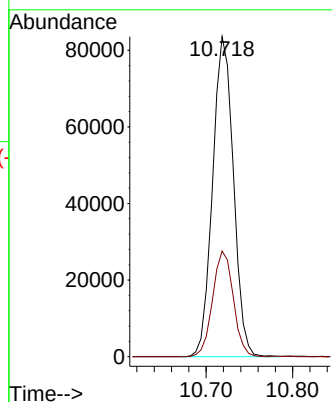
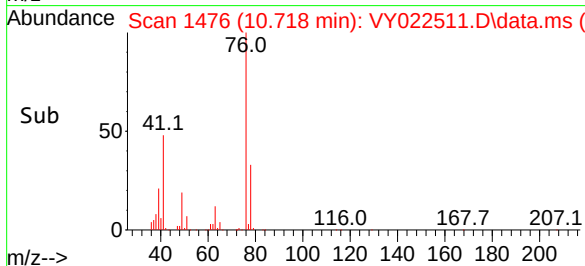
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 139564
Ion Ratio Lower Upper
76 100
78 32.7 25.8 38.8

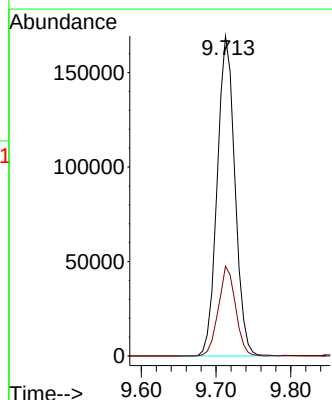
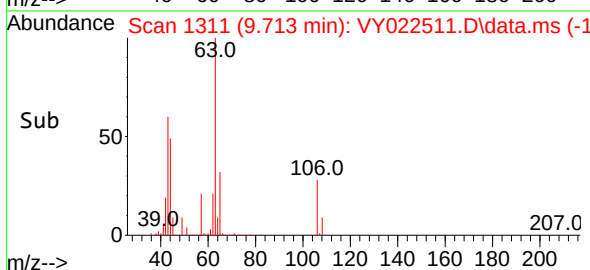
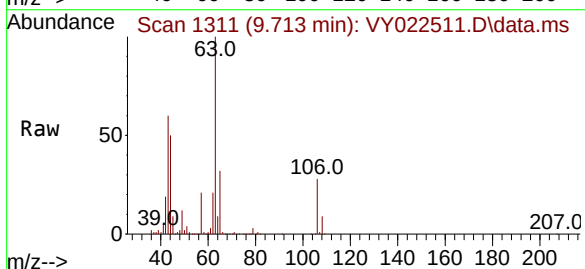
Manual Integrations
APPROVED

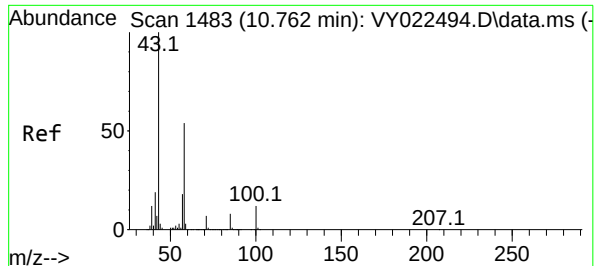
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#58
2-Chloroethyl Vinyl ether
Concen: 269.440 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

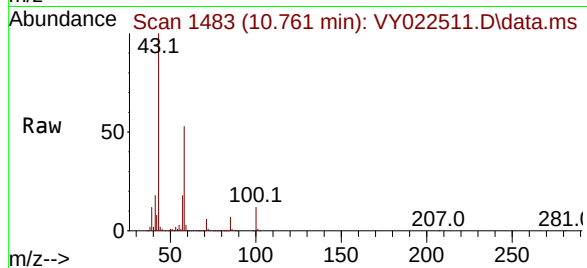
Tgt Ion: 63 Resp: 279007
Ion Ratio Lower Upper
63 100
106 27.2 21.6 32.4





#59
2-Hexanone
Concen: 248.499 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

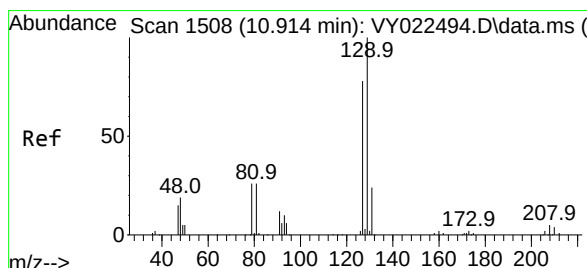
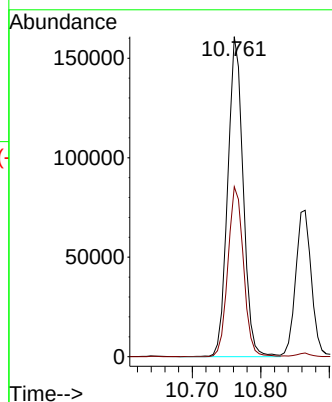
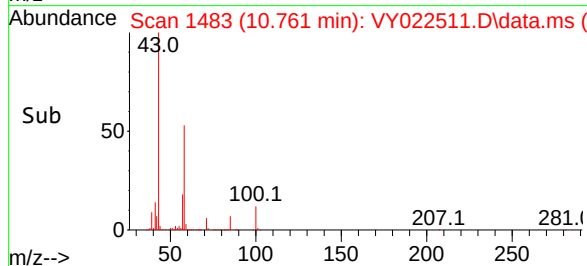
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 251489
Ion Ratio Lower Upper
43 100
58 53.5 27.3 81.8

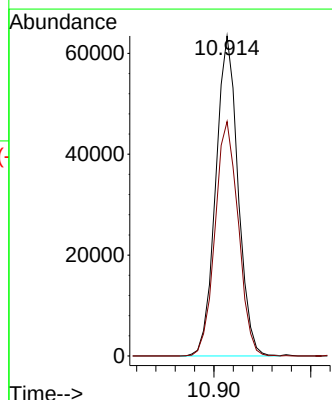
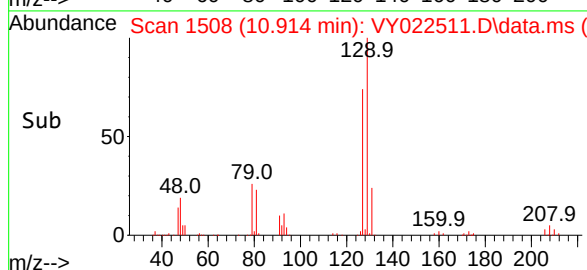
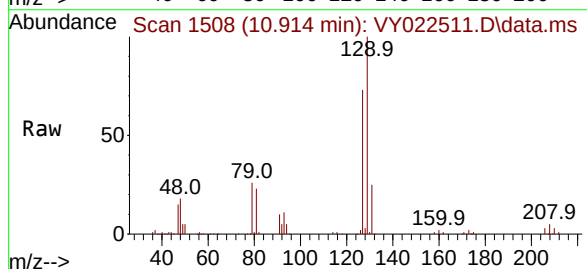
Manual Integrations
APPROVED

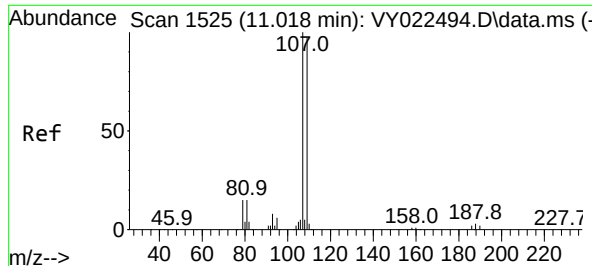
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#60
Dibromochloromethane
Concen: 50.578 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

Tgt Ion:129 Resp: 101429
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.2





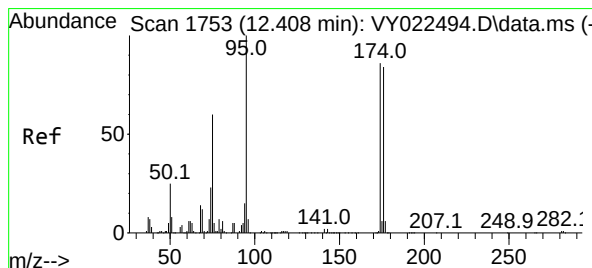
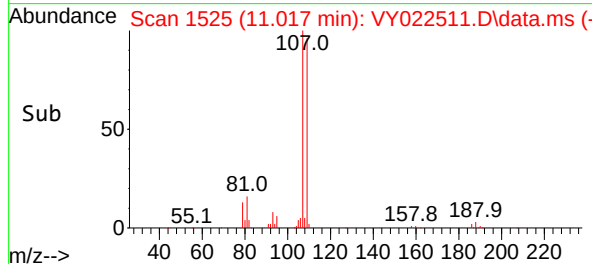
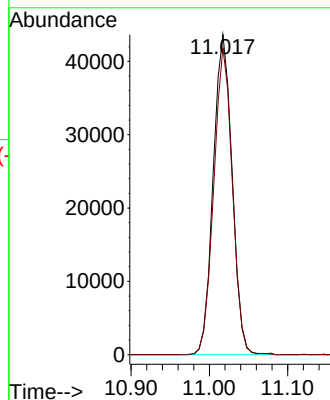
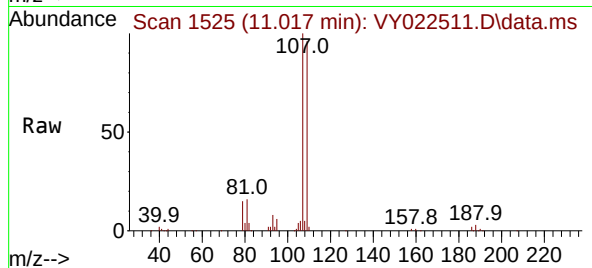
#61
1,2-Dibromoethane
Concen: 50.829 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 73100
Ion Ratio Lower Upper
107 100
109 94.5 77.7 116.5

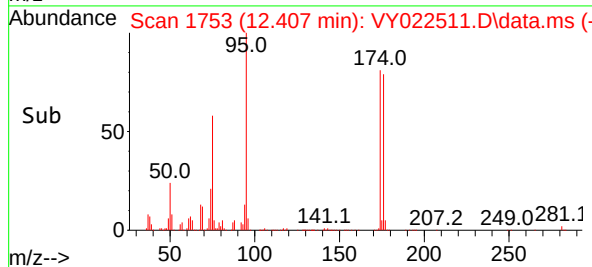
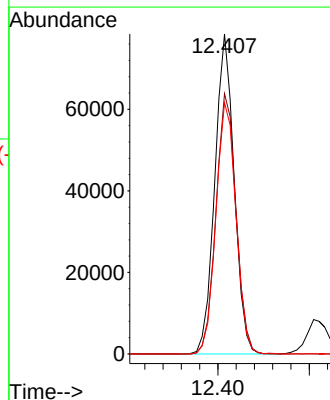
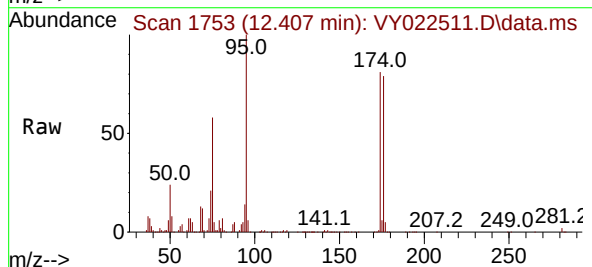
Manual Integrations
APPROVED

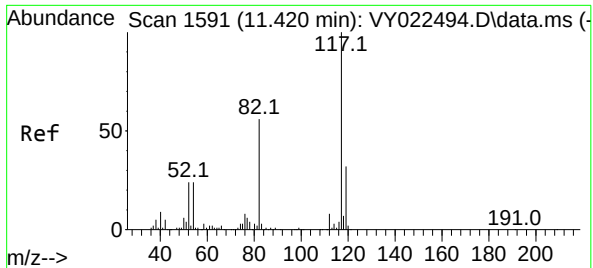
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#62
4-Bromofluorobenzene
Concen: 49.265 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

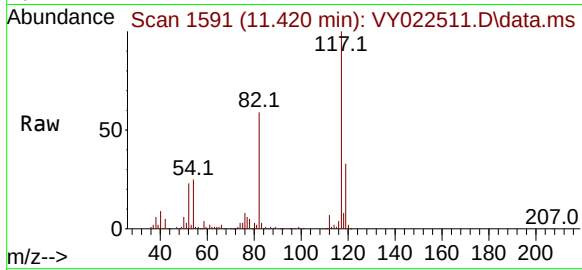
Tgt Ion: 95 Resp: 115160
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 81.5 0.0 166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

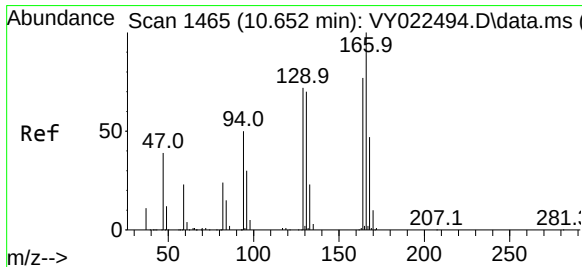
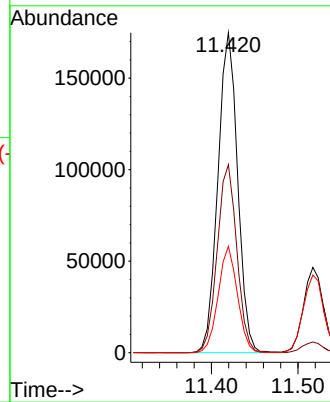
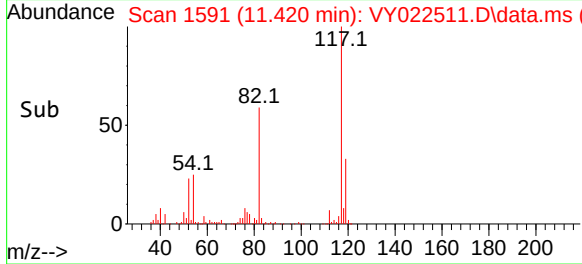
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 276658
Ion Ratio Lower Upper
117 100
82 58.8 44.6 66.8
119 33.2 25.4 38.0

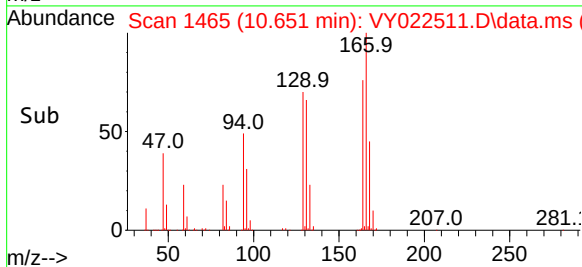
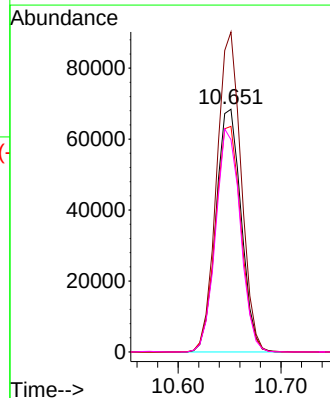
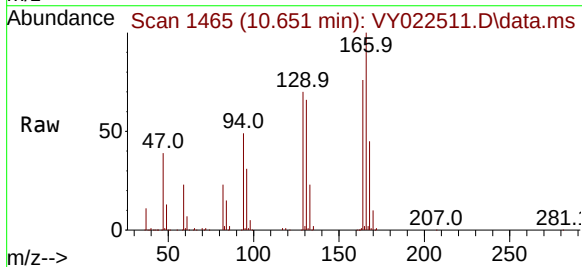
Manual Integrations
APPROVED

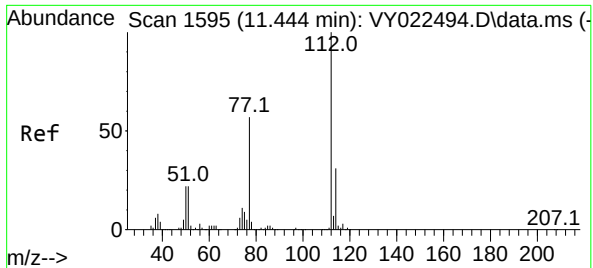
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#64
Tetrachloroethene
Concen: 49.032 ug/l
RT: 10.651 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

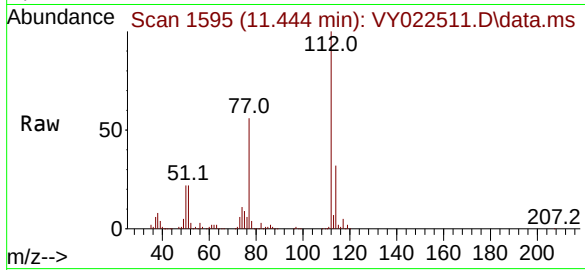
Tgt Ion:164 Resp: 116688
Ion Ratio Lower Upper
164 100
166 131.9 104.0 156.0
129 92.9 74.5 111.7
131 87.5 72.3 108.5





#65
Chlorobenzene
Concen: 50.500 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

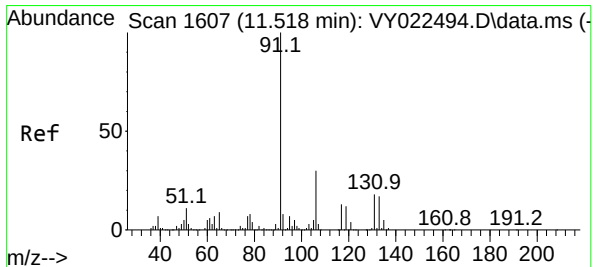
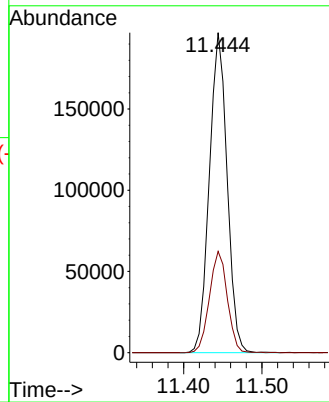
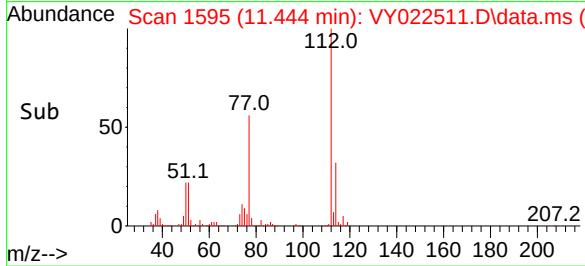
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:112 Resp: 309162
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

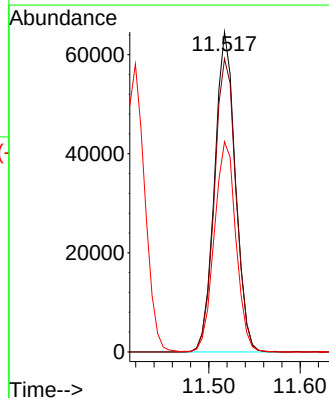
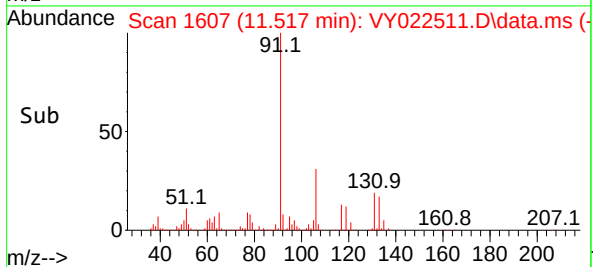
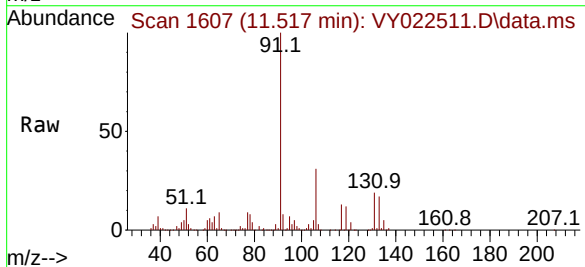
Manual Integrations
APPROVED

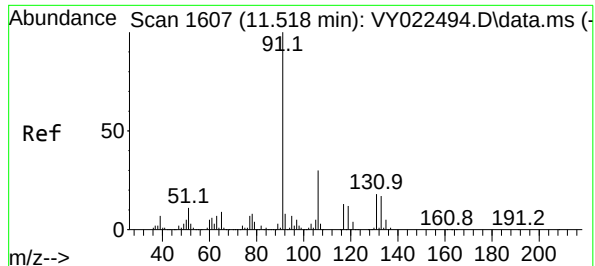
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.530 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

Tgt Ion:131 Resp: 102149
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.8
119 68.4 33.1 99.3





#67

Ethyl Benzene

Concen: 50.175 ug/l

RT: 11.523 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 569730

Ion Ratio Lower Upper

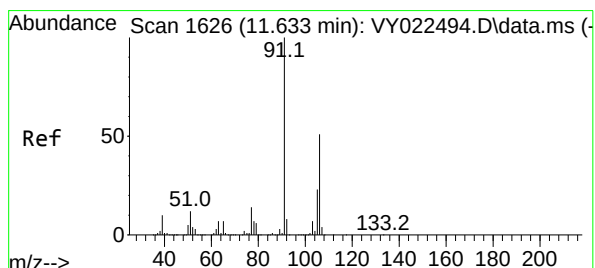
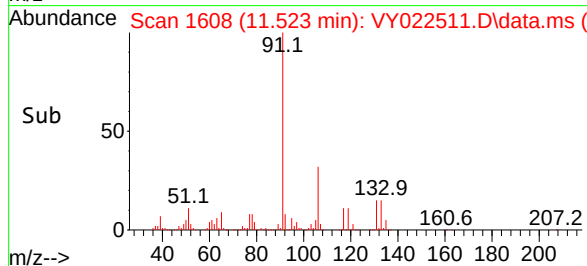
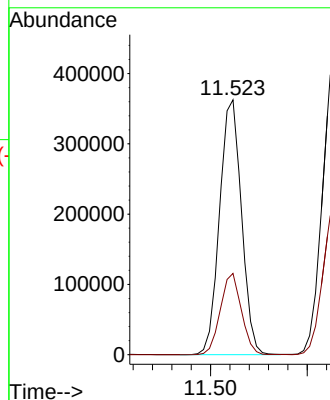
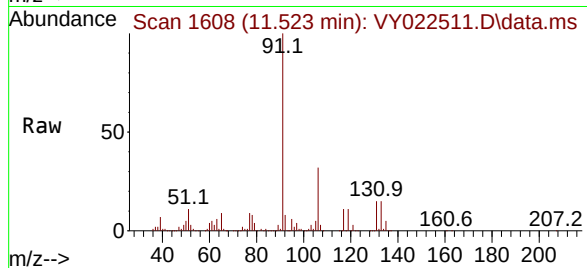
91 100

106 31.9 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#68

m/p-Xylenes

Concen: 98.325 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. -0.001 min

Lab File: VY022511.D

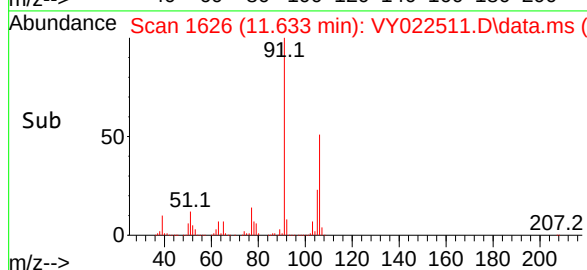
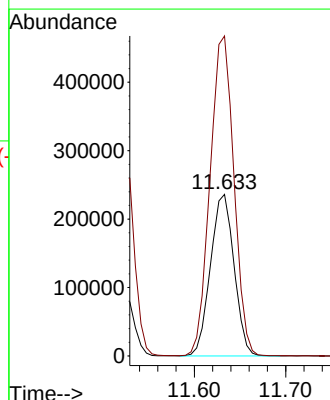
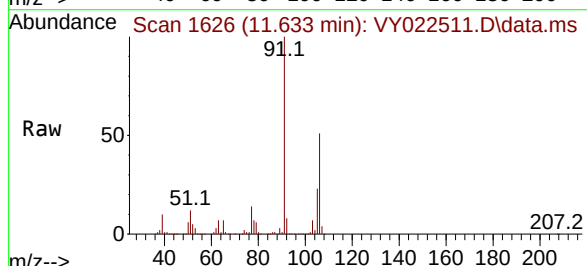
Acq: 03 Jun 2025 10:03

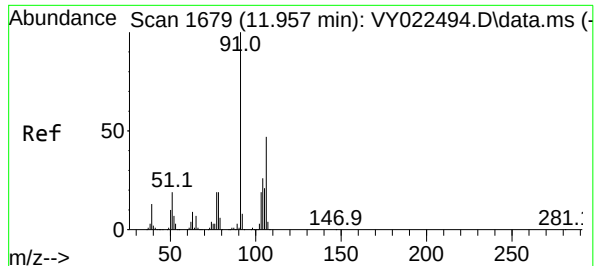
Tgt Ion:106 Resp: 423248

Ion Ratio Lower Upper

106 100

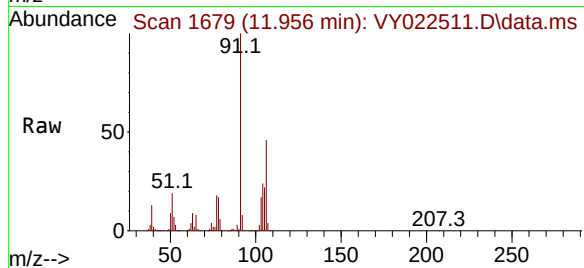
91 200.7 159.4 239.0





#69
o-Xylene
Concen: 48.847 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

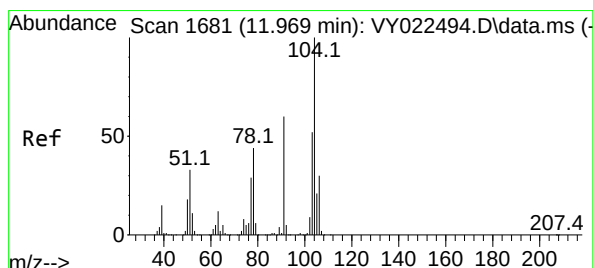
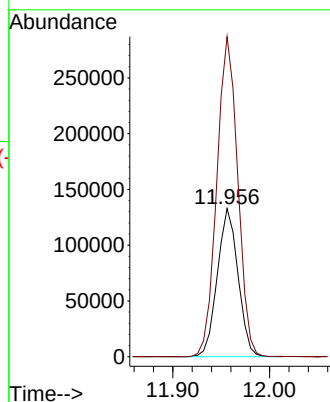
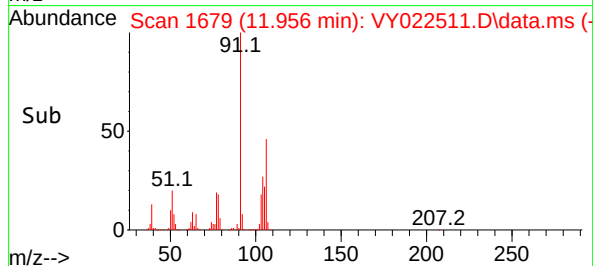
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



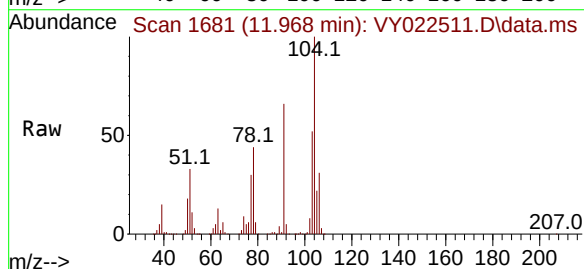
Tgt Ion:106 Resp: 197139
Ion Ratio Lower Upper
106 100
91 219.0 105.8 317.3

Manual Integrations
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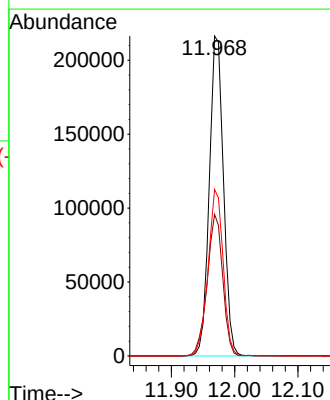
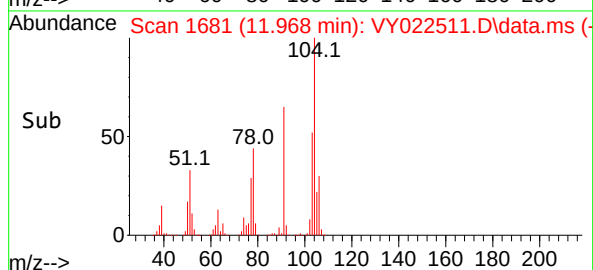
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

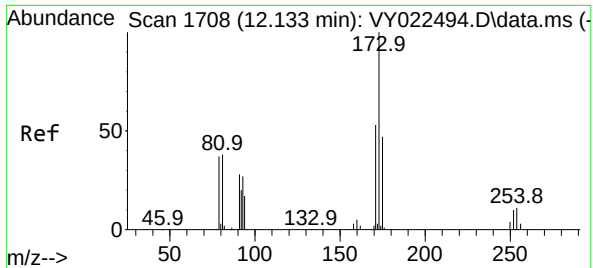


#70
Styrene
Concen: 50.608 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03



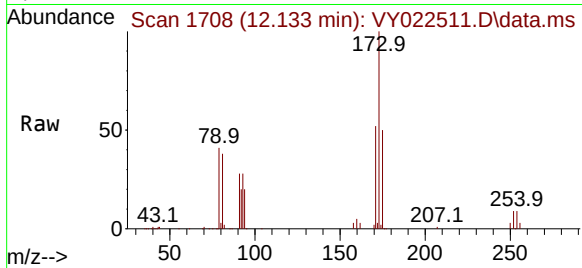
Tgt Ion:104 Resp: 337617
Ion Ratio Lower Upper
104 100
78 48.5 39.5 59.3
103 55.8 44.1 66.1





#71
Bromoform
Concen: 49.211 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

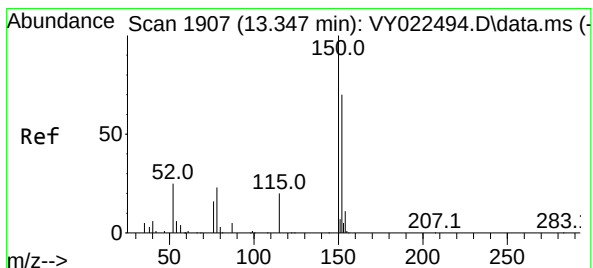
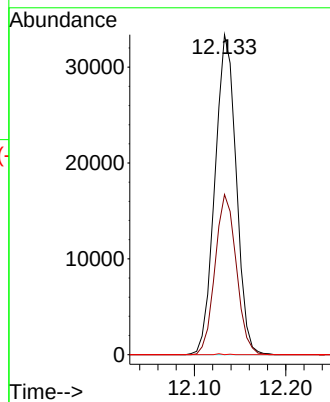
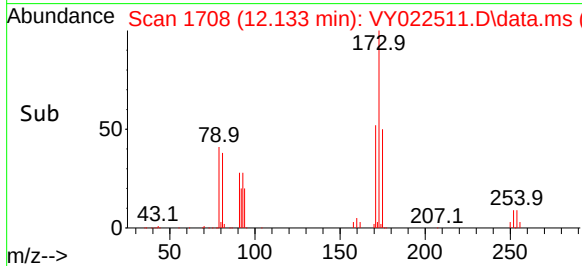
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



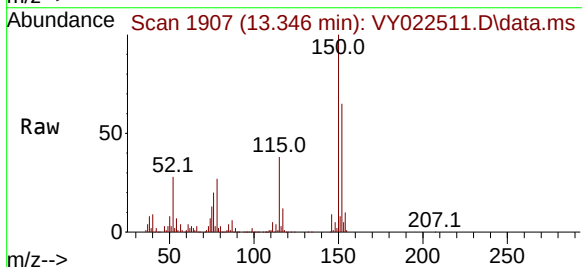
Tgt Ion:173 Resp: 54008
Ion Ratio Lower Upper
173 100
175 50.0 23.8 71.5
254 0.1 0.0 0.0

Manual Integrations
APPROVED

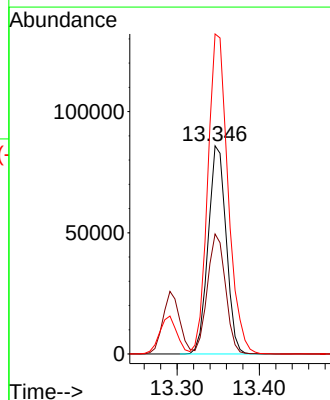
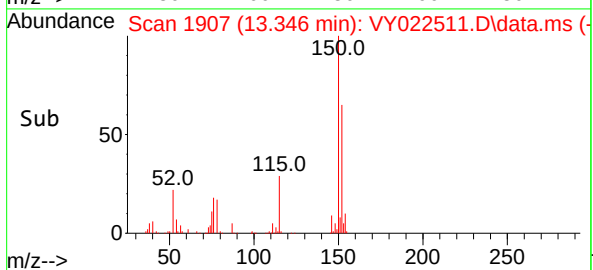
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

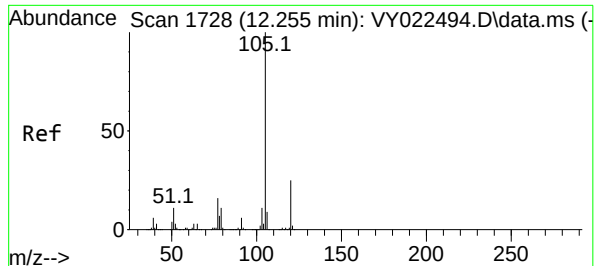


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03



Tgt Ion:152 Resp: 130385
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.7
150 172.9 0.0 349.6





#73

Isopropylbenzene

Concen: 48.906 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 523520

Ion Ratio Lower Upper

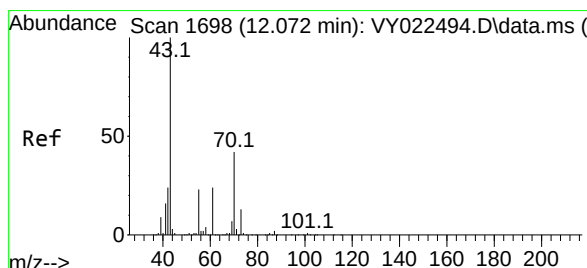
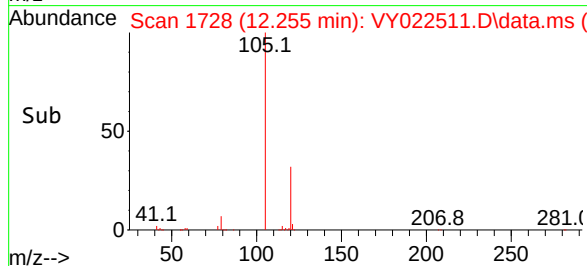
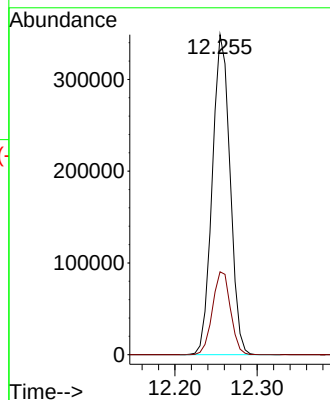
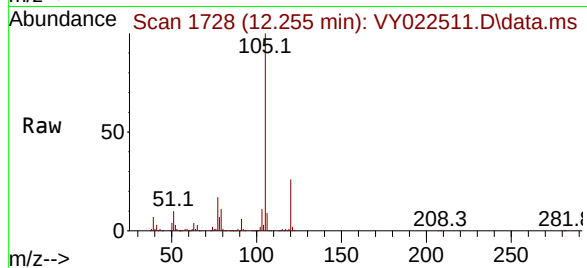
105 100

120 26.2 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#74

N-ethyl acetate

Concen: 49.739 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Tgt Ion: 43 Resp: 134344

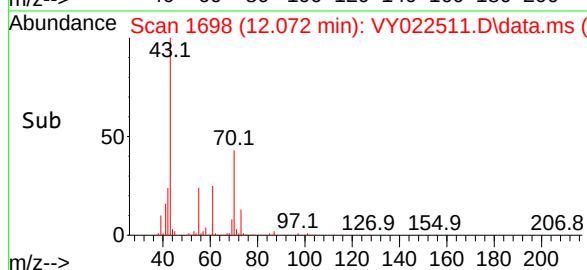
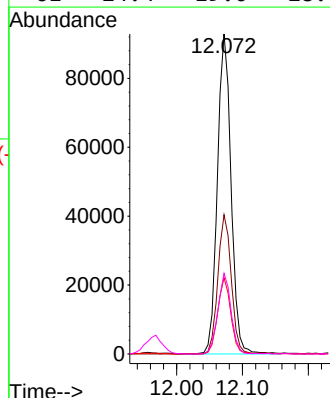
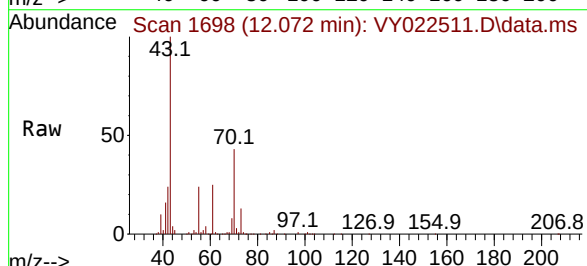
Ion Ratio Lower Upper

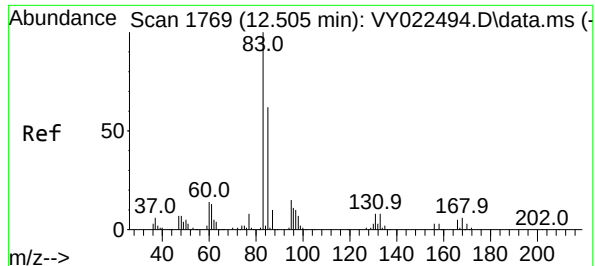
43 100

70 42.6 34.2 51.2

55 22.7 18.2 27.4

61 24.4 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.668 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 8726

Ion Ratio Lower Upper

83 100

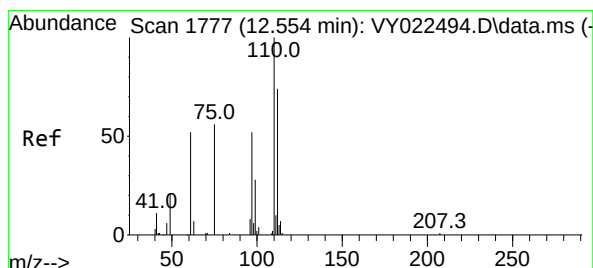
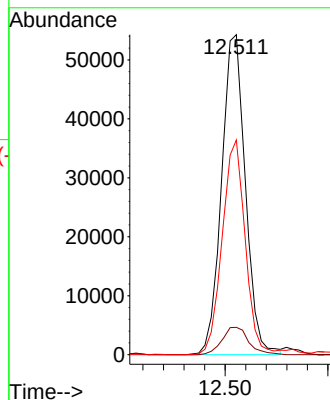
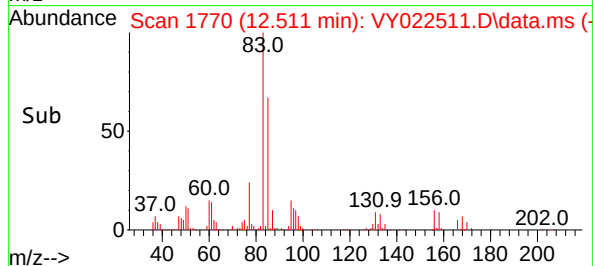
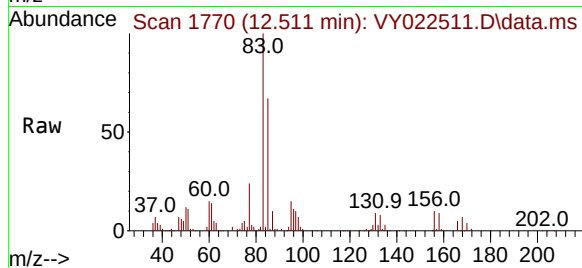
131 9.6 4.9 14.7

85 64.5 32.6 97.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#76

1,2,3-Trichloropropane

Concen: 55.912 ug/l m

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY022511.D

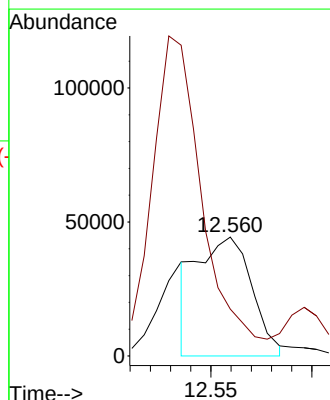
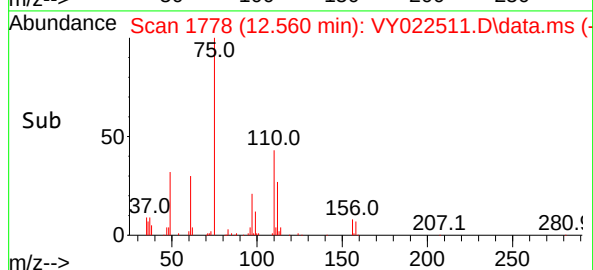
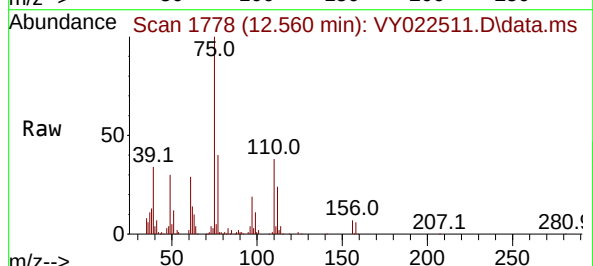
Acq: 03 Jun 2025 10:03

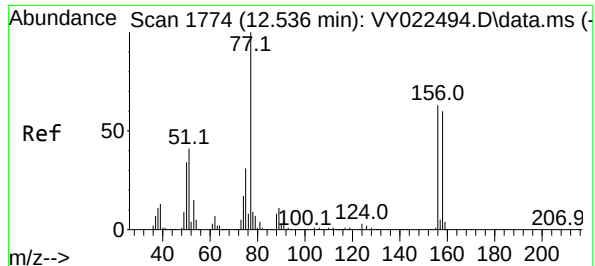
Tgt Ion: 75 Resp: 83401

Ion Ratio Lower Upper

75 100

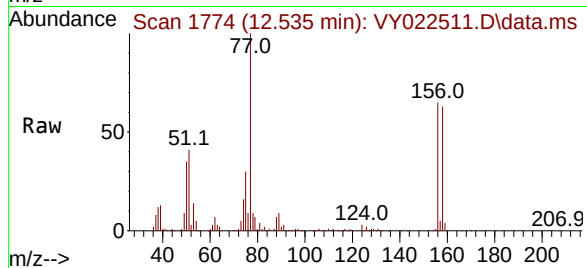
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 49.743 ug/l
RT: 12.535 min Scan# 1774
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

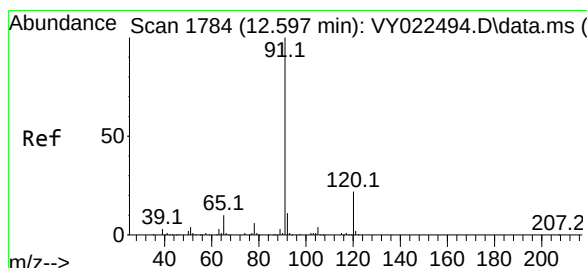
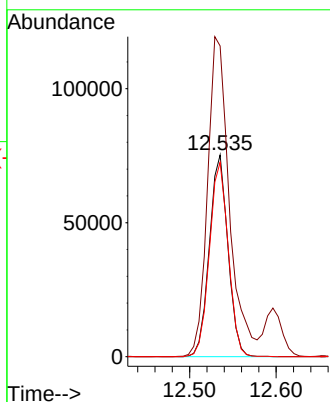
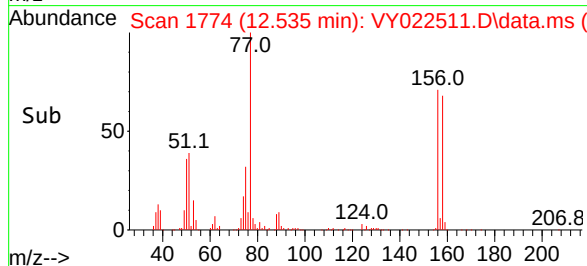
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 156 Resp: 11236
Ion Ratio Lower Upper
156 100
77 186.2 94.0 282.1
158 97.6 48.2 144.6

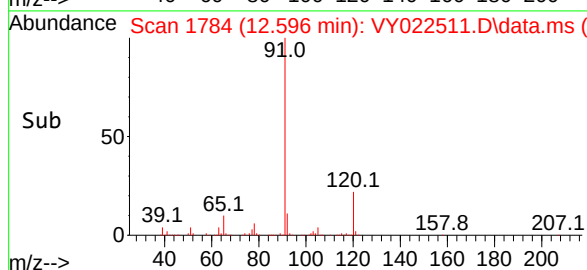
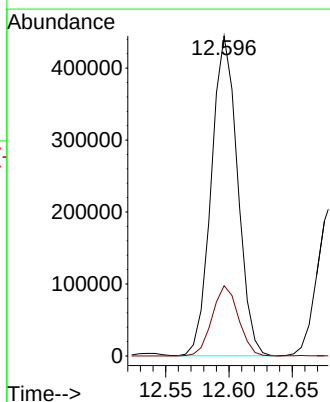
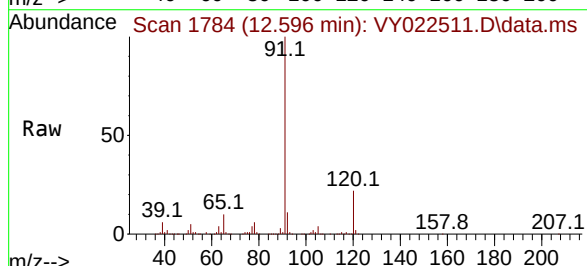
Manual Integrations
APPROVED

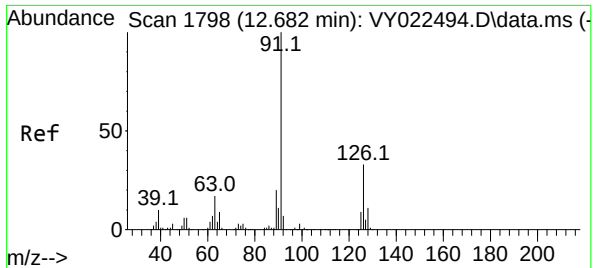
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#78
n-propylbenzene
Concen: 49.060 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

Tgt Ion: 91 Resp: 641434
Ion Ratio Lower Upper
91 100
120 21.9 10.8 32.4





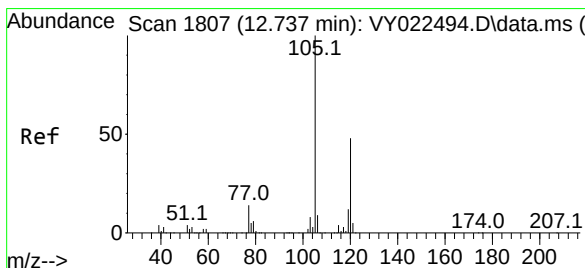
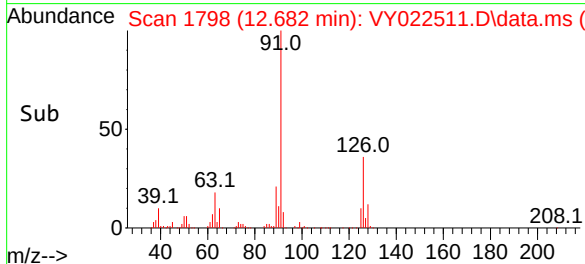
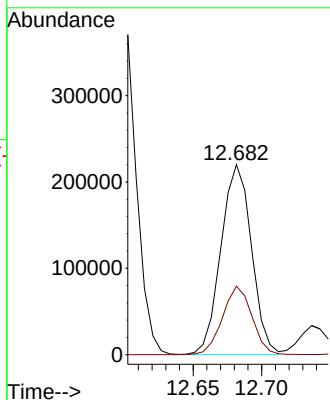
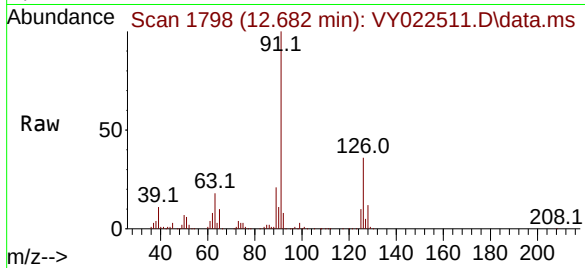
#79
2-Chlorotoluene
Concen: 49.190 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 34086
Ion Ratio Lower Upper
91 100
126 34.8 17.0 51.0

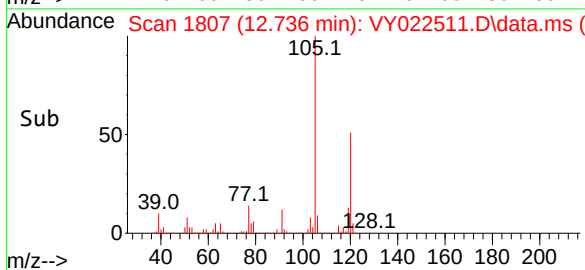
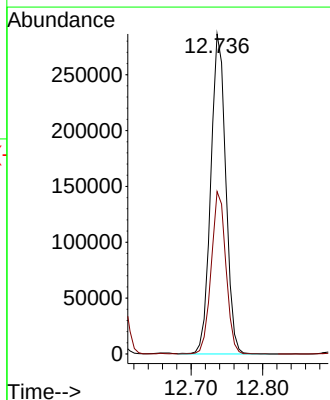
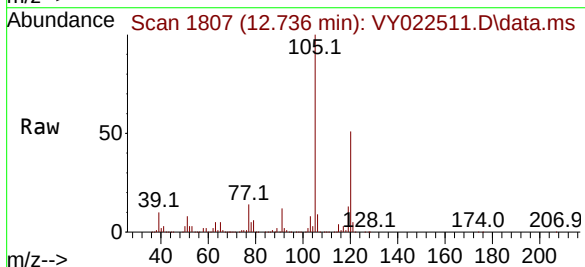
Manual Integrations
APPROVED

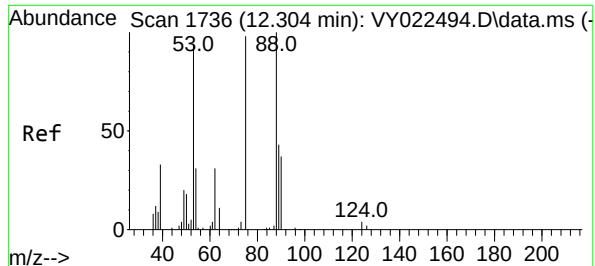
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#80
1,3,5-Trimethylbenzene
Concen: 49.521 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

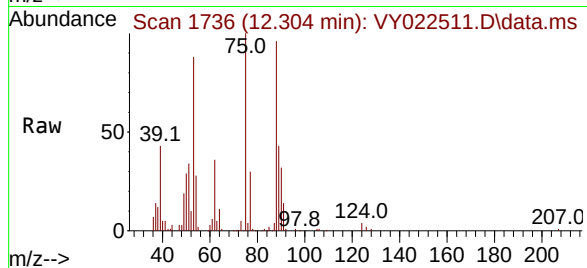
Tgt Ion:105 Resp: 416181
Ion Ratio Lower Upper
105 100
120 49.7 24.1 72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 49.369 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

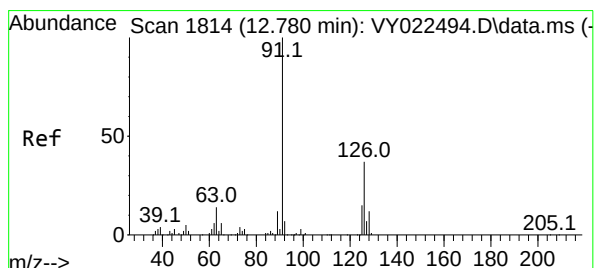
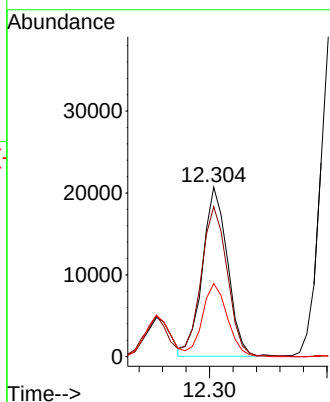
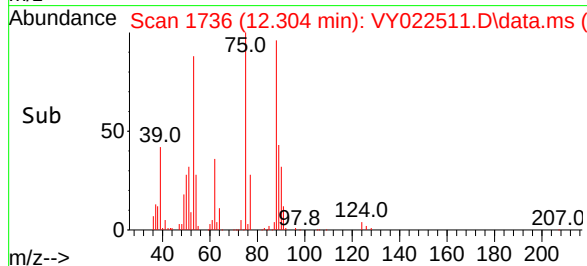
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 30494
Ion Ratio Lower Upper
75 100
53 93.4 78.5 117.7
89 42.9 35.7 53.5

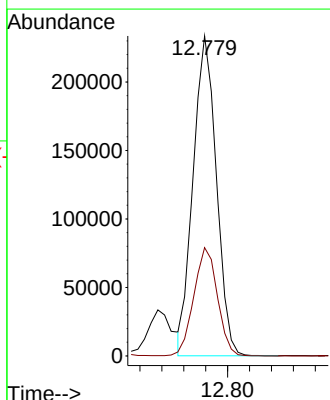
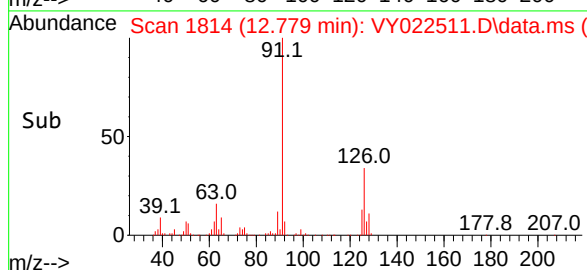
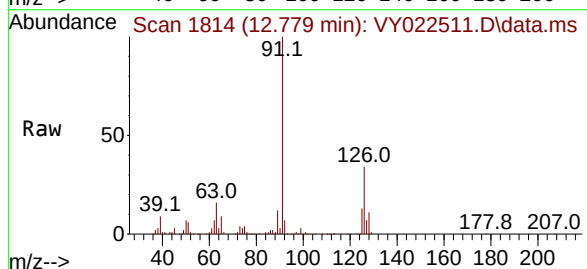
Manual Integrations
APPROVED

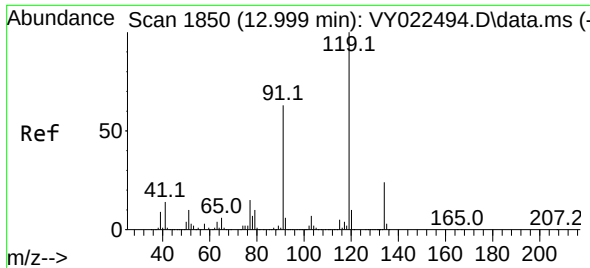
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#82
4-Chlorotoluene
Concen: 48.038 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

Tgt Ion: 91 Resp: 343404
Ion Ratio Lower Upper
91 100
126 34.6 17.0 50.9





#83

tert-Butylbenzene

Concen: 49.296 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 37183

Ion Ratio Lower Upper

119 100

91 64.0 32.1 96.3

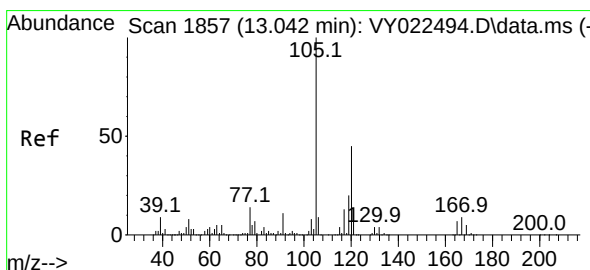
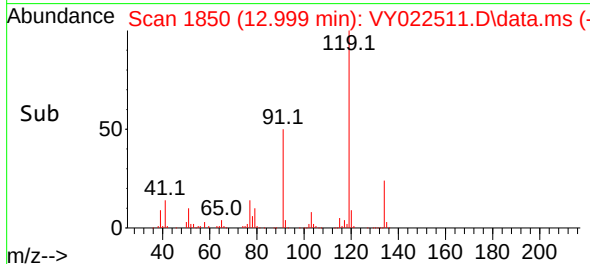
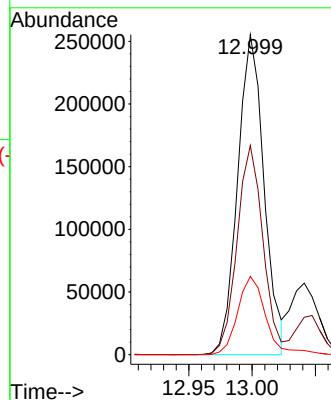
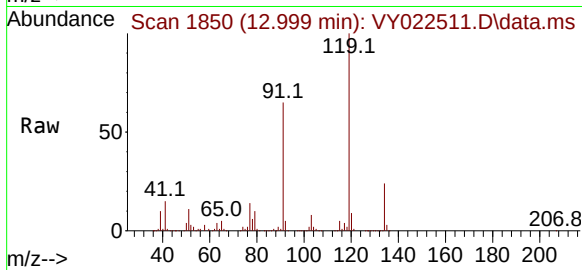
134 26.0 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#84

1,2,4-Trimethylbenzene

Concen: 49.704 ug/l

RT: 13.047 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY022511.D

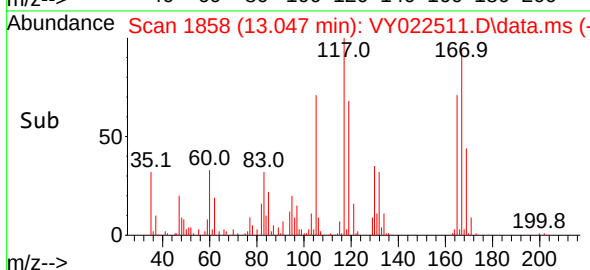
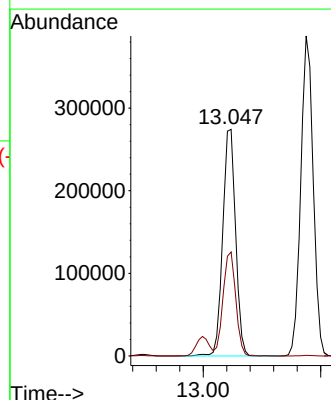
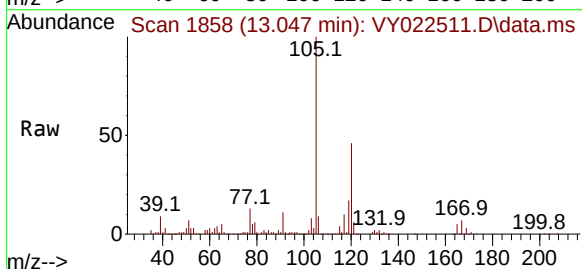
Acq: 03 Jun 2025 10:03

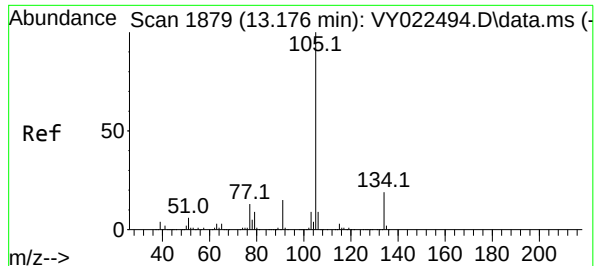
Tgt Ion:105 Resp: 417788

Ion Ratio Lower Upper

105 100

120 45.2 22.7 68.1





#85

sec-Butylbenzene

Concen: 49.121 ug/l

RT: 13.175 min Scan# 1879

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 567452

Ion Ratio Lower Upper

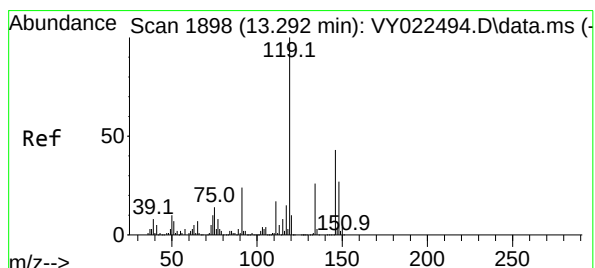
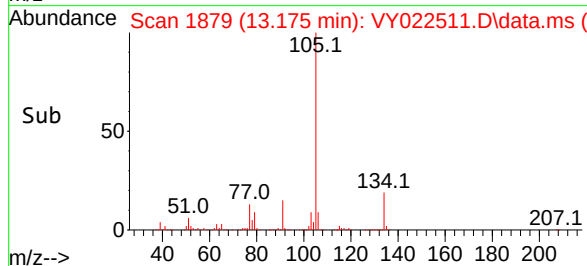
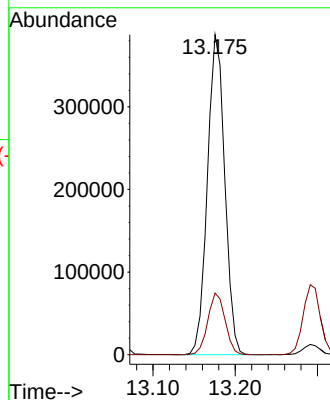
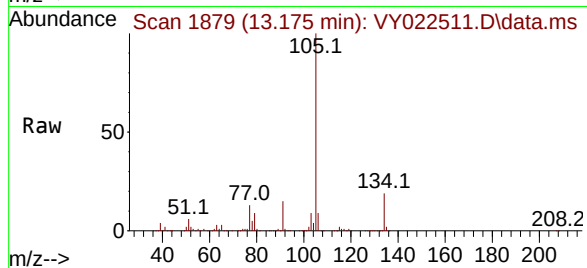
105 100

134 19.2 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#86

p-Isopropyltoluene

Concen: 48.819 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

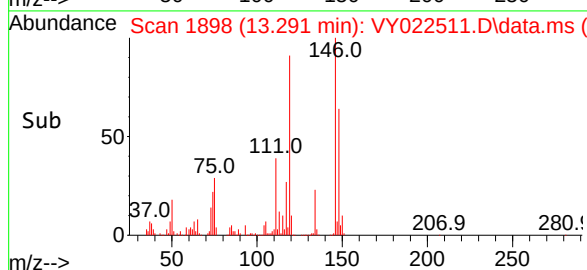
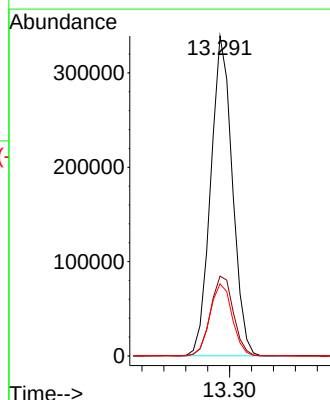
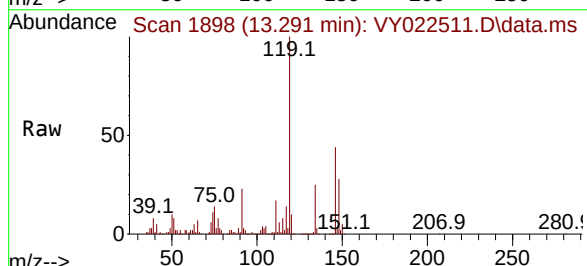
Tgt Ion:119 Resp: 464860

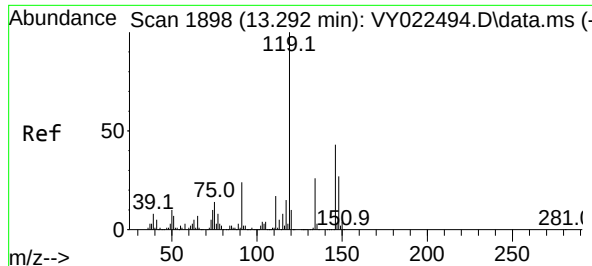
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 23.2 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 49.356 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.001 min

Lab File: VY022511.D

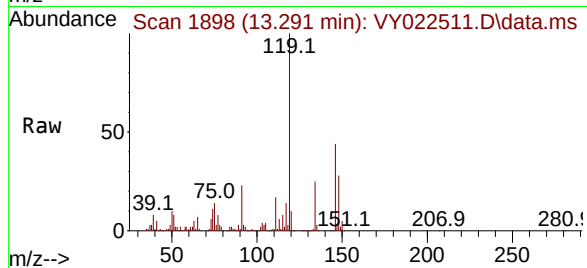
Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion:146 Resp: 225894

Ion Ratio Lower Upper

146 100

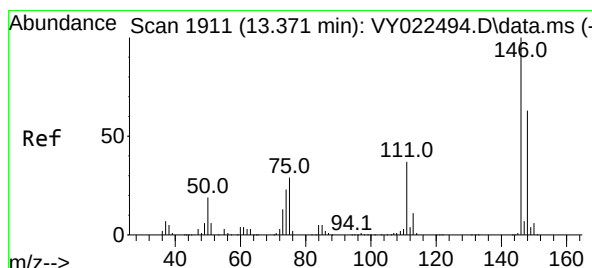
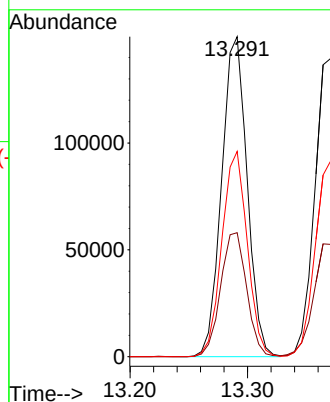
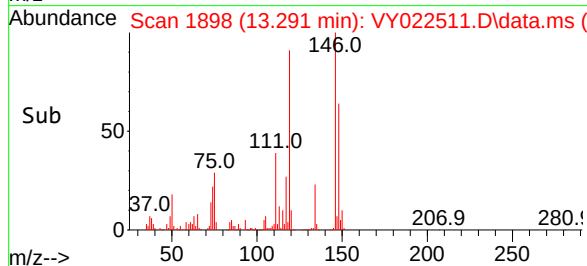
111 39.7 20.1 60.2

148 64.0 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#88

1,4-Dichlorobenzene

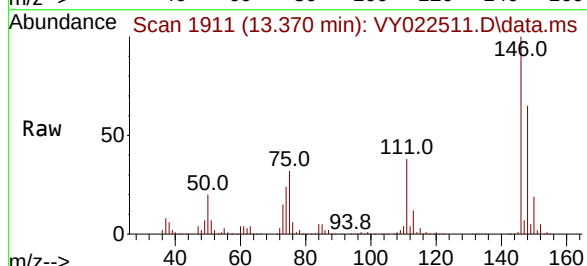
Concen: 48.715 ug/l

RT: 13.370 min Scan# 1911

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03



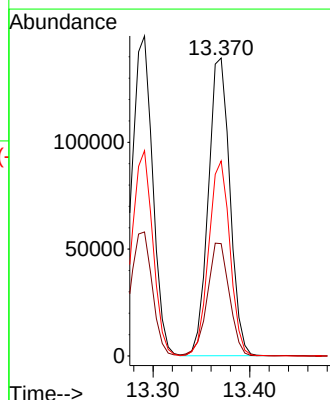
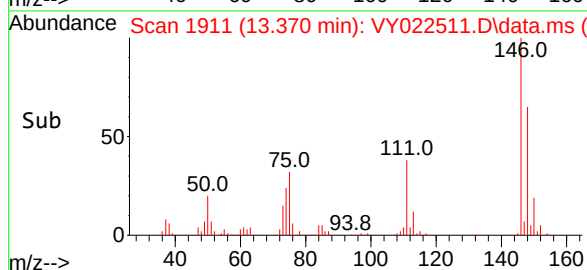
Tgt Ion:146 Resp: 216249

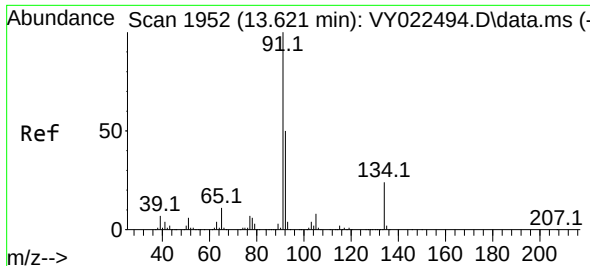
Ion Ratio Lower Upper

146 100

111 38.5 19.4 58.2

148 64.6 31.6 94.8





#89

n-Butylbenzene

Concen: 50.075 ug/l

RT: 13.620 min Scan# 1952

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 452380

Ion Ratio Lower Upper

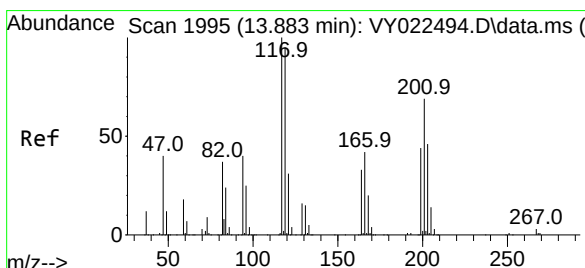
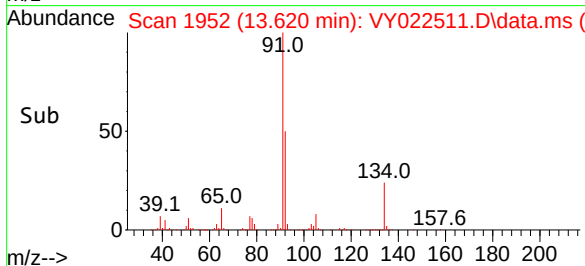
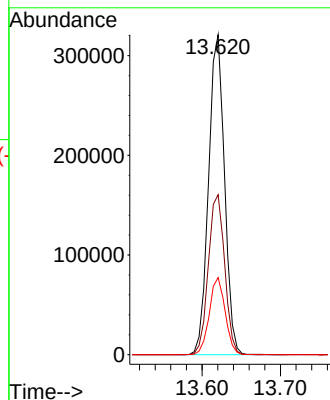
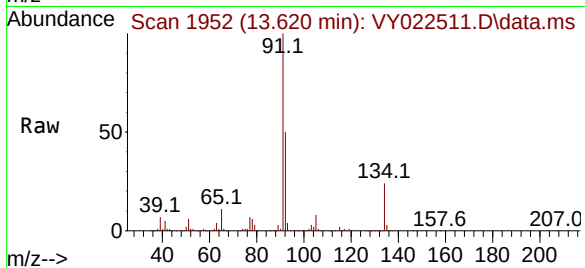
91 100

92 51.3 25.9 77.8

134 24.0 12.0 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#90

Hexachloroethane

Concen: 49.550 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. -0.001 min

Lab File: VY022511.D

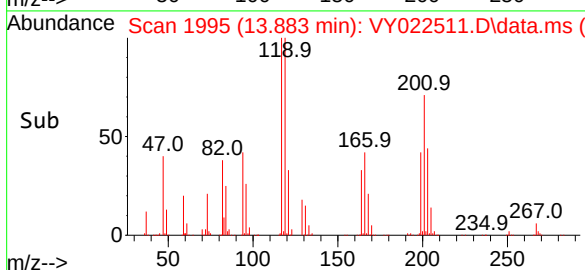
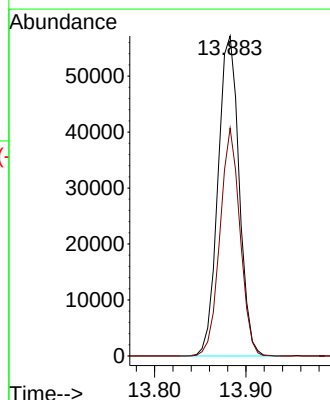
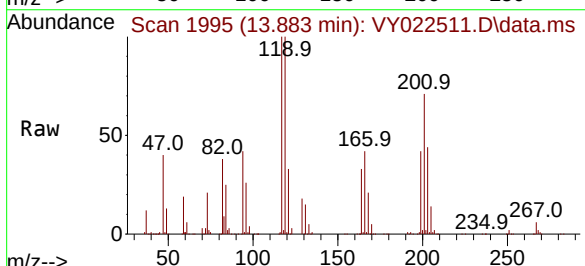
Acq: 03 Jun 2025 10:03

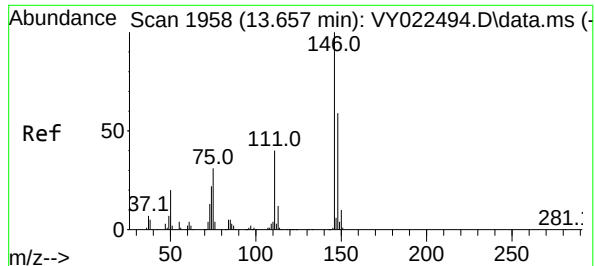
Tgt Ion:117 Resp: 91854

Ion Ratio Lower Upper

117 100

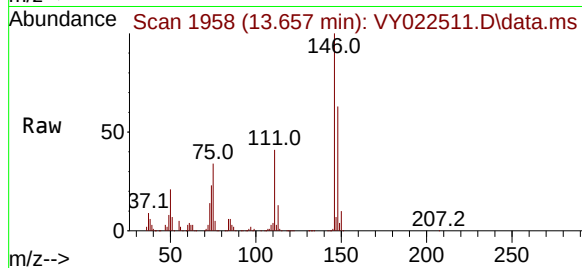
201 67.4 34.0 102.0





#91
1,2-Dichlorobenzene
Concen: 49.234 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

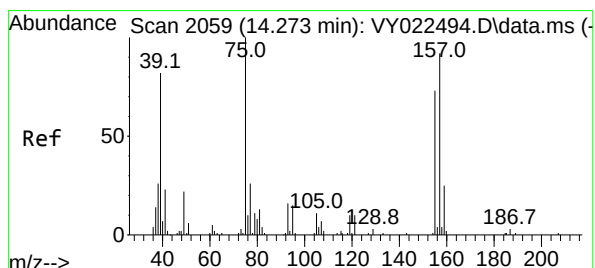
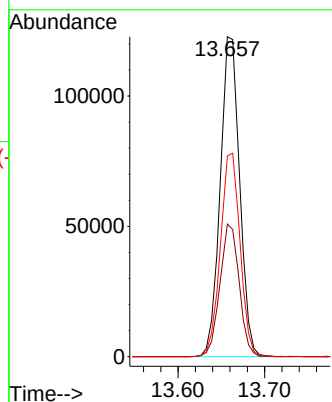
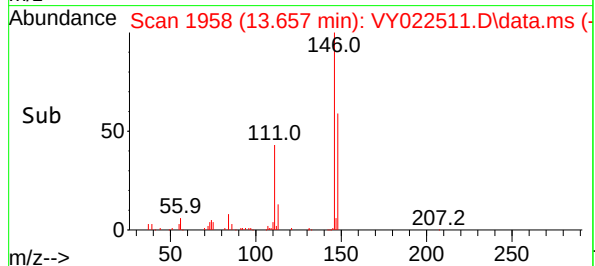
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 19131
Ion Ratio Lower Upper
146 100
111 41.1 20.2 60.6
148 64.5 31.4 94.0

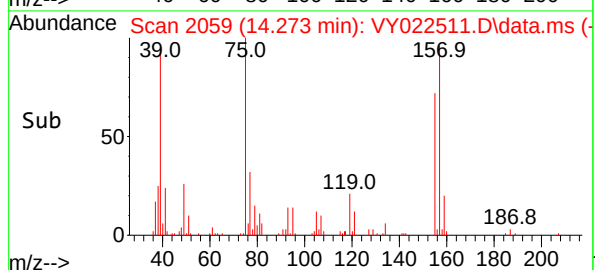
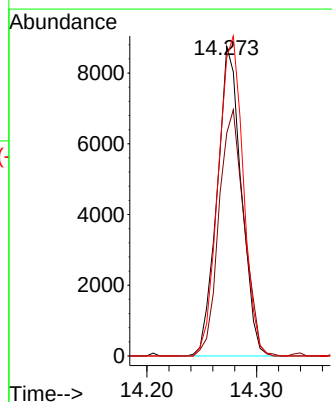
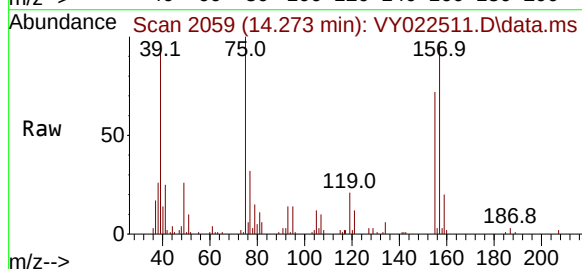
Manual Integrations
APPROVED

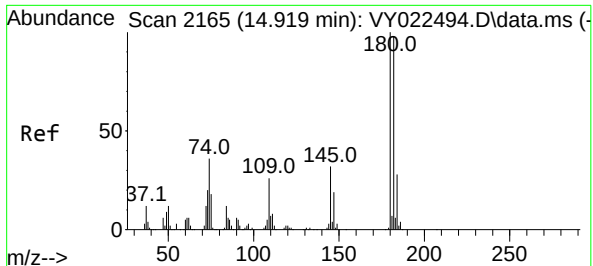
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 52.605 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

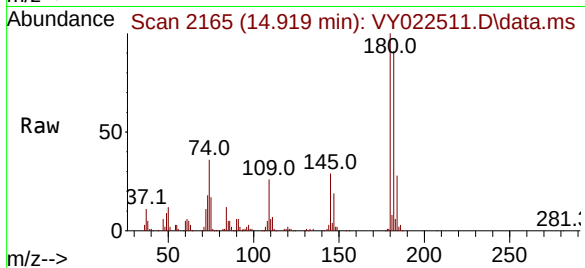
Tgt Ion: 75 Resp: 13456
Ion Ratio Lower Upper
75 100
155 82.4 39.9 119.6
157 106.5 54.0 162.0





#93
1,2,4-Trichlorobenzene
Concen: 51.341 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03

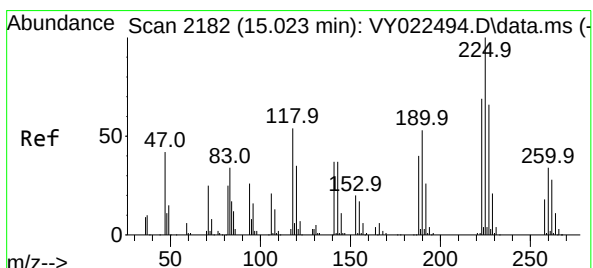
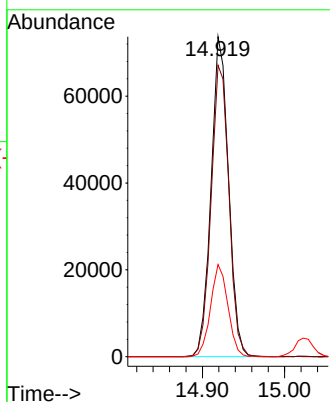
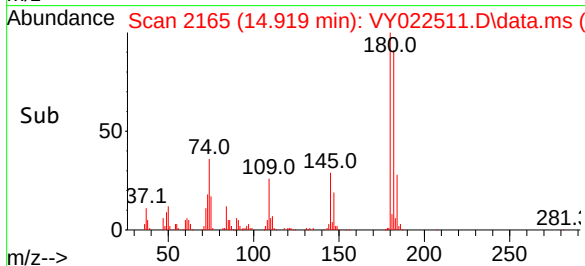
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



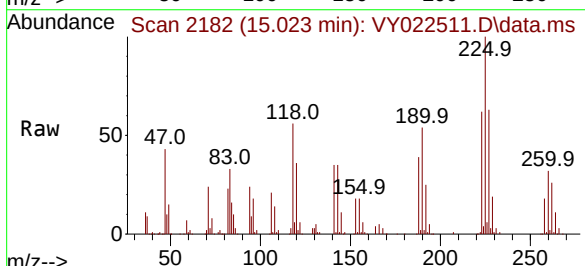
Tgt Ion:180 Resp: 108800
Ion Ratio Lower Upper
180 100
182 92.9 48.4 145.3
145 28.5 15.5 46.5

Manual Integrations
APPROVED

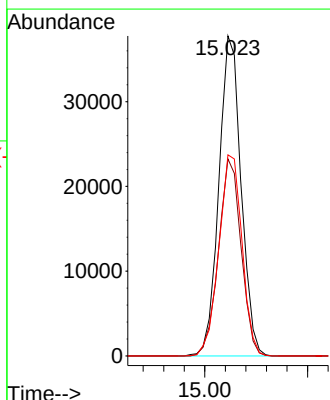
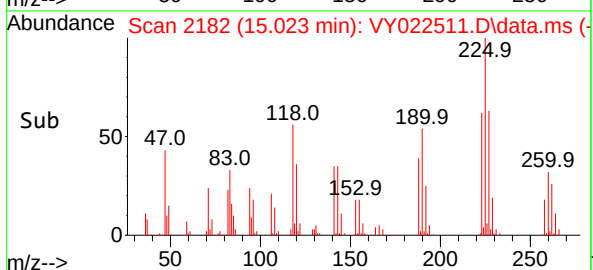
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

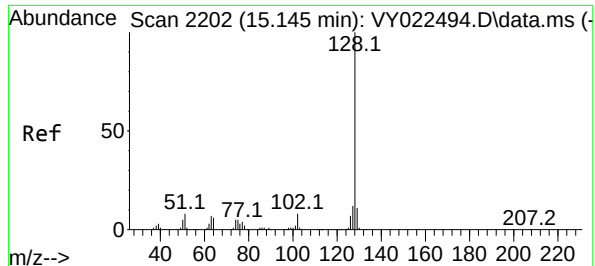


#94
Hexachlorobutadiene
Concen: 48.206 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.001 min
Lab File: VY022511.D
Acq: 03 Jun 2025 10:03



Tgt Ion:225 Resp: 56388
Ion Ratio Lower Upper
225 100
223 62.7 32.5 97.4
227 65.6 32.3 96.9





#95

Naphthalene

Concen: 51.588 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 209808

Ion Ratio Lower Upper

128 100

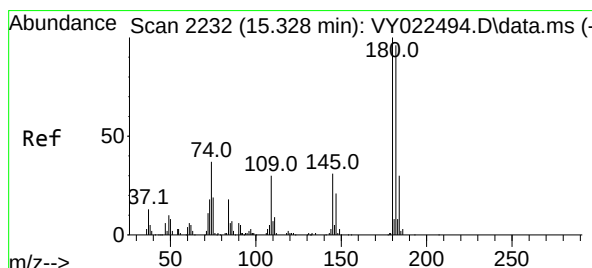
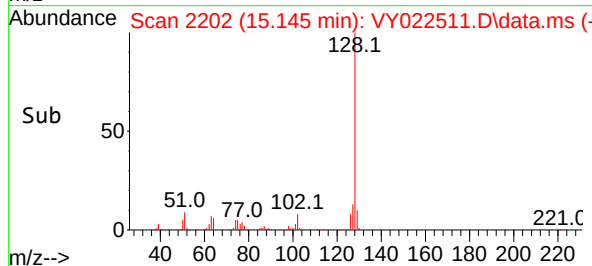
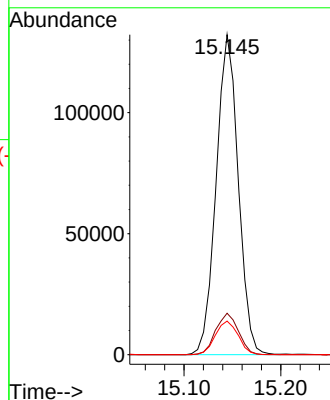
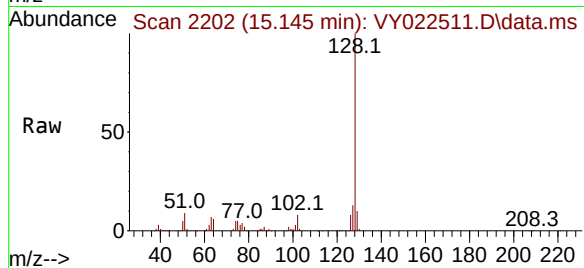
127 13.3 10.4 15.6

129 10.9 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#96

1,2,3-Trichlorobenzene

Concen: 50.325 ug/l

RT: 15.327 min Scan# 2232

Delta R.T. -0.001 min

Lab File: VY022511.D

Acq: 03 Jun 2025 10:03

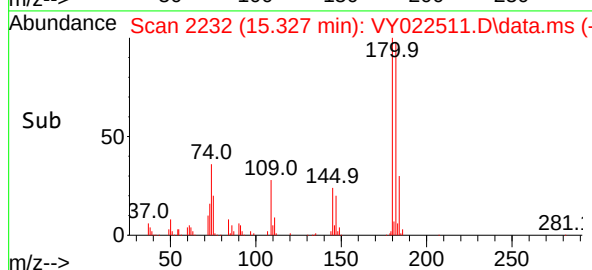
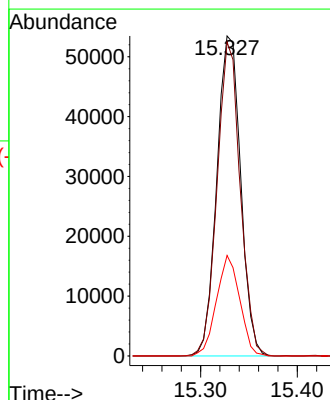
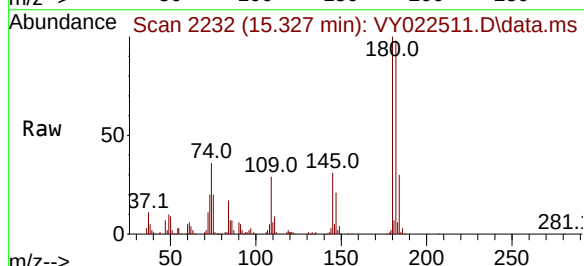
Tgt Ion:180 Resp: 91404

Ion Ratio Lower Upper

180 100

182 95.1 47.1 141.3

145 30.6 15.2 45.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022511.D
 Acq On : 03 Jun 2025 10:03
 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: Jun 04 04:08:01 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	89	0.00
2 T	Dichlorodifluoromethane	0.448	0.404	9.8	88	0.00
3 P	Chloromethane	1.322	1.316	0.5	96	0.00
4 C	Vinyl Chloride	1.534	1.560	-1.7#	93	0.00
5 T	Bromomethane	1.470	1.393	5.2	100	0.00
6 T	Chloroethane	1.053	1.102	-4.7	102	0.00
7 T	Trichlorofluoromethane	1.302	1.272	2.3	93	0.00
8 T	Diethyl Ether	0.293	0.296	-1.0	91	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.549	0.523	4.7	87	0.00
10 T	Methyl Iodide	0.594	0.619	-4.2	86	0.00
11 T	Tert butyl alcohol	0.040	0.040	0.0	91	0.00
12 CM	1,1-Dichloroethene	0.524	0.513	2.1#	89	0.00
13 T	Acrolein	0.050	0.047	6.0	88	0.00
14 T	Allyl chloride	0.823	0.823	0.0	91	0.00
15 T	Acrylonitrile	0.124	0.126	-1.6	90	0.00
16 T	Acetone	0.114	0.097	14.9	75	0.00
17 T	Carbon Disulfide	1.679	1.680	-0.1	90	0.00
18 T	Methyl Acetate	0.336	0.372	-10.7	100	0.00
19 T	Methyl tert-butyl Ether	1.477	1.494	-1.2	91	0.00
20 T	Methylene Chloride	0.645	0.579	10.2	90	0.00
21 T	trans-1,2-Dichloroethene	0.587	0.598	-1.9	94	0.00
22 T	Diisopropyl ether	1.832	1.850	-1.0	91	0.00
23 T	Vinyl Acetate	1.084	1.086	-0.2	90	0.00
24 P	1,1-Dichloroethane	1.079	1.105	-2.4	93	0.00
25 T	2-Butanone	0.164	0.160	2.4	85	0.00
26 T	2,2-Dichloropropane	0.954	0.956	-0.2	90	0.00
27 T	cis-1,2-Dichloroethene	0.678	0.701	-3.4	92	0.00
28 T	Bromochloromethane	0.471	0.559	-18.7	110	0.00
29 T	Tetrahydrofuran	0.106	0.107	-0.9	91	0.00
30 C	Chloroform	1.069	1.105	-3.4#	93	0.00
31 T	Cyclohexane	1.075	0.985	8.4	87	0.00
32 T	1,1,1-Trichloroethane	0.949	0.968	-2.0	91	0.00
33 S	1,2-Dichloroethane-d4	0.559	0.576	-3.0	87	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35 S	Dibromofluoromethane	0.298	0.300	-0.7	87	0.00
36 T	1,1-Dichloropropene	0.484	0.471	2.7	90	0.00
37 T	Ethyl Acetate	0.216	0.213	1.4	86	0.00
38 T	Carbon Tetrachloride	0.497	0.487	2.0	89	0.00
39 T	Methylcyclohexane	0.651	0.616	5.4	87	0.00
40 TM	Benzene	1.431	1.436	-0.3	92	0.00
41 T	Methacrylonitrile	0.126	0.127	-0.8	94	0.00
42 TM	1,2-Dichloroethane	0.391	0.395	-1.0	94	0.00
43 T	Isopropyl Acetate	0.467	0.462	1.1	90	0.00
44 TM	Trichloroethene	0.350	0.343	2.0	89	0.00
45 C	1,2-Dichloropropane	0.338	0.343	-1.5#	93	0.00
46 T	Dibromomethane	0.190	0.192	-1.1	92	0.00
47 T	Bromodichloromethane	0.482	0.494	-2.5	93	0.00
48 T	Methyl methacrylate	0.219	0.223	-1.8	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022511.D
 Acq On : 03 Jun 2025 10:03
 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: Jun 04 04:08:01 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	90	0.00
50 S	Toluene-d8	1.206	1.224	-1.5	89	0.00
51 T	4-Methyl-2-Pentanone	0.233	0.236	-1.3	90	0.00
52 CM	Toluene	0.899	0.901	-0.2#	92	0.00
53 T	t-1,3-Dichloropropene	0.452	0.460	-1.8	92	0.00
54 T	cis-1,3-Dichloropropene	0.526	0.531	-1.0	92	0.00
55 T	1,1,2-Trichloroethane	0.243	0.243	0.0	93	0.00
56 T	Ethyl methacrylate	0.351	0.352	-0.3	90	0.00
57 T	1,3-Dichloropropane	0.430	0.429	0.2	91	0.00
58 T	2-Chloroethyl Vinyl ether	0.159	0.172	-8.2	100	0.00
59 T	2-Hexanone	0.156	0.155	0.6	89	0.00
60 T	Dibromochloromethane	0.308	0.312	-1.3	92	0.00
61 T	1,2-Dibromoethane	0.221	0.225	-1.8	94	0.00
62 S	4-Bromofluorobenzene	0.359	0.354	1.4	88	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64 T	Tetrachloroethene	0.430	0.422	1.9	90	0.00
65 PM	Chlorobenzene	1.106	1.118	-1.1	93	0.00
66 T	1,1,1,2-Tetrachloroethane	0.373	0.369	1.1	90	0.00
67 C	Ethyl Benzene	2.052	2.059	-0.3#	92	0.00
68 T	m/p-Xylenes	0.778	0.765	1.7	90	0.00
69 T	o-Xylene	0.729	0.713	2.2	90	0.00
70 T	Styrene	1.206	1.220	-1.2	92	0.00
71 P	Bromoform	0.198	0.195	1.5	90	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73 T	Isopropylbenzene	4.105	4.015	2.2	91	0.00
74 T	N-amyl acetate	1.036	1.030	0.6	90	0.00
75 P	1,1,2,2-Tetrachloroethane	0.674	0.669	0.7	92	0.00
76 T	1,2,3-Trichloropropane	0.572	0.640	-11.9	95	0.00
77 T	Bromobenzene	0.866	0.862	0.5	93	0.00
78 T	n-propylbenzene	5.014	4.920	1.9	91	0.00
79 T	2-Chlorotoluene	2.657	2.614	1.6	91	0.00
80 T	1,3,5-Trimethylbenzene	3.223	3.192	1.0	91	0.00
81 T	trans-1,4-Dichloro-2-butene	0.237	0.234	1.3	93	0.00
82 T	4-Chlorotoluene	2.741	2.634	3.9	89	0.00
83 T	tert-Butylbenzene	2.893	2.852	1.4	92	0.00
84 T	1,2,4-Trimethylbenzene	3.223	3.204	0.6	93	0.00
85 T	sec-Butylbenzene	4.430	4.352	1.8	91	0.00
86 T	p-Isopropyltoluene	3.652	3.565	2.4	91	0.00
87 T	1,3-Dichlorobenzene	1.755	1.733	1.3	93	0.00
88 T	1,4-Dichlorobenzene	1.702	1.659	2.5	91	0.00
89 T	n-Butylbenzene	3.464	3.470	-0.2	92	0.00
90 T	Hexachloroethane	0.711	0.704	1.0	92	0.00
91 T	1,2-Dichlorobenzene	1.490	1.467	1.5	91	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.098	0.103	-5.1	92	0.00
93 T	1,2,4-Trichlorobenzene	0.813	0.835	-2.7	95	0.00
94 T	Hexachlorobutadiene	0.449	0.432	3.8	90	0.00
95 T	Naphthalene	1.560	1.609	-3.1	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
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: Jun 04 04:08:01 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	0.701	-0.6	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022511.D
 Acq On : 03 Jun 2025 10:03
 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: Jun 04 04:08:01 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	89	0.00
2 T	Dichlorodifluoromethane	50.000	45.159	9.7	88	0.00
3 P	Chloromethane	50.000	49.765	0.5	96	0.00
4 C	Vinyl Chloride	50.000	50.846	-1.7#	93	0.00
5 T	Bromomethane	50.000	47.366	5.3	100	0.00
6 T	Chloroethane	50.000	52.331	-4.7	102	0.00
7 T	Trichlorofluoromethane	50.000	48.826	2.3	93	0.00
8 T	Diethyl Ether	50.000	50.439	-0.9	91	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.685	4.6	87	0.00
10 T	Methyl Iodide	50.000	52.134	-4.3	86	0.00
11 T	Tert butyl alcohol	250.000	250.557	-0.2	91	0.00
12 CM	1,1-Dichloroethene	50.000	48.879	2.2#	89	0.00
13 T	Acrolein	250.000	237.627	4.9	88	0.00
14 T	Allyl chloride	50.000	49.983	0.0	91	0.00
15 T	Acrylonitrile	250.000	253.468	-1.4	90	0.00
16 T	Acetone	250.000	214.391	14.2	75	0.00
17 T	Carbon Disulfide	50.000	50.043	-0.1	90	0.00
18 T	Methyl Acetate	50.000	55.372	-10.7	100	0.00
19 T	Methyl tert-butyl Ether	50.000	50.593	-1.2	91	0.00
20 T	Methylene Chloride	50.000	44.882	10.2	90	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.918	-1.8	94	0.00
22 T	Diisopropyl ether	50.000	50.496	-1.0	91	0.00
23 T	Vinyl Acetate	250.000	250.435	-0.2	90	0.00
24 P	1,1-Dichloroethane	50.000	51.165	-2.3	93	0.00
25 T	2-Butanone	250.000	243.928	2.4	85	0.00
26 T	2,2-Dichloropropane	50.000	50.109	-0.2	90	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.693	-3.4	92	0.00
28 T	Bromochloromethane	50.000	59.357	-18.7	110	0.00
29 T	Tetrahydrofuran	250.000	252.240	-0.9	91	0.00
30 C	Chloroform	50.000	51.658	-3.3#	93	0.00
31 T	Cyclohexane	50.000	45.846	8.3	87	0.00
32 T	1,1,1-Trichloroethane	50.000	51.007	-2.0	91	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.532	-3.1	87	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35 S	Dibromofluoromethane	50.000	50.202	-0.4	87	0.00
36 T	1,1-Dichloropropene	50.000	48.633	2.7	90	0.00
37 T	Ethyl Acetate	50.000	49.352	1.3	86	0.00
38 T	Carbon Tetrachloride	50.000	48.960	2.1	89	0.00
39 T	Methylcyclohexane	50.000	47.312	5.4	87	0.00
40 TM	Benzene	50.000	50.204	-0.4	92	0.00
41 T	Methacrylonitrile	50.000	50.197	-0.4	94	0.00
42 TM	1,2-Dichloroethane	50.000	50.581	-1.2	94	0.00
43 T	Isopropyl Acetate	50.000	49.510	1.0	90	0.00
44 TM	Trichloroethene	50.000	49.009	2.0	89	0.00
45 C	1,2-Dichloropropane	50.000	50.749	-1.5#	93	0.00
46 T	Dibromomethane	50.000	50.378	-0.8	92	0.00
47 T	Bromodichloromethane	50.000	51.199	-2.4	93	0.00
48 T	Methyl methacrylate	50.000	50.927	-1.9	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022511.D
 Acq On : 03 Jun 2025 10:03
 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: Jun 04 04:08:01 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	943.857	5.6	90	0.00
50 S	Toluene-d8	50.000	50.750	-1.5	89	0.00
51 T	4-Methyl-2-Pentanone	250.000	253.585	-1.4	90	0.00
52 CM	Toluene	50.000	50.084	-0.2#	92	0.00
53 T	t-1,3-Dichloropropene	50.000	50.914	-1.8	92	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.428	-0.9	92	0.00
55 T	1,1,2-Trichloroethane	50.000	50.121	-0.2	93	0.00
56 T	Ethyl methacrylate	50.000	50.203	-0.4	90	0.00
57 T	1,3-Dichloropropane	50.000	49.900	0.2	91	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	269.440	-7.8	100	0.00
59 T	2-Hexanone	250.000	248.499	0.6	89	0.00
60 T	Dibromochloromethane	50.000	50.578	-1.2	92	0.00
61 T	1,2-Dibromoethane	50.000	50.829	-1.7	94	0.00
62 S	4-Bromofluorobenzene	50.000	49.265	1.5	88	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64 T	Tetrachloroethene	50.000	49.032	1.9	90	0.00
65 PM	Chlorobenzene	50.000	50.500	-1.0	93	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.530	0.9	90	0.00
67 C	Ethyl Benzene	50.000	50.175	-0.3#	92	0.00
68 T	m/p-Xylenes	100.000	98.325	1.7	90	0.00
69 T	o-Xylene	50.000	48.847	2.3	90	0.00
70 T	Styrene	50.000	50.608	-1.2	92	0.00
71 P	Bromoform	50.000	49.211	1.6	90	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73 T	Isopropylbenzene	50.000	48.906	2.2	91	0.00
74 T	N-amyl acetate	50.000	49.739	0.5	90	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.668	0.7	92	0.00
76 T	1,2,3-Trichloropropane	50.000	55.912	-11.8	95	0.00
77 T	Bromobenzene	50.000	49.743	0.5	93	0.00
78 T	n-propylbenzene	50.000	49.060	1.9	91	0.00
79 T	2-Chlorotoluene	50.000	49.190	1.6	91	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.521	1.0	91	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.369	1.3	93	0.00
82 T	4-Chlorotoluene	50.000	48.038	3.9	89	0.00
83 T	tert-Butylbenzene	50.000	49.296	1.4	92	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.704	0.6	93	0.00
85 T	sec-Butylbenzene	50.000	49.121	1.8	91	0.00
86 T	p-Isopropyltoluene	50.000	48.819	2.4	91	0.00
87 T	1,3-Dichlorobenzene	50.000	49.356	1.3	93	0.00
88 T	1,4-Dichlorobenzene	50.000	48.715	2.6	91	0.00
89 T	n-Butylbenzene	50.000	50.075	-0.2	92	0.00
90 T	Hexachloroethane	50.000	49.550	0.9	92	0.00
91 T	1,2-Dichlorobenzene	50.000	49.234	1.5	91	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.605	-5.2	92	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.341	-2.7	95	0.00
94 T	Hexachlorobutadiene	50.000	48.206	3.6	90	0.00
95 T	Naphthalene	50.000	51.588	-3.2	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022511.D
Acq On : 03 Jun 2025 10:03
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: Jun 04 04:08:01 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	50.325	-0.7	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



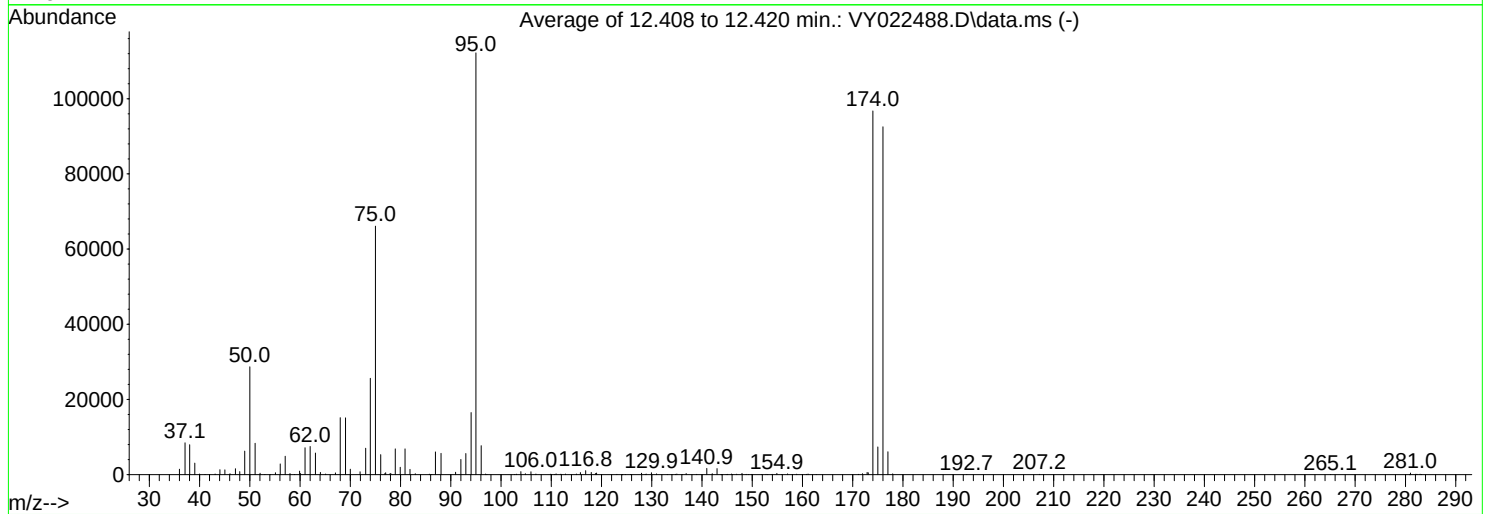
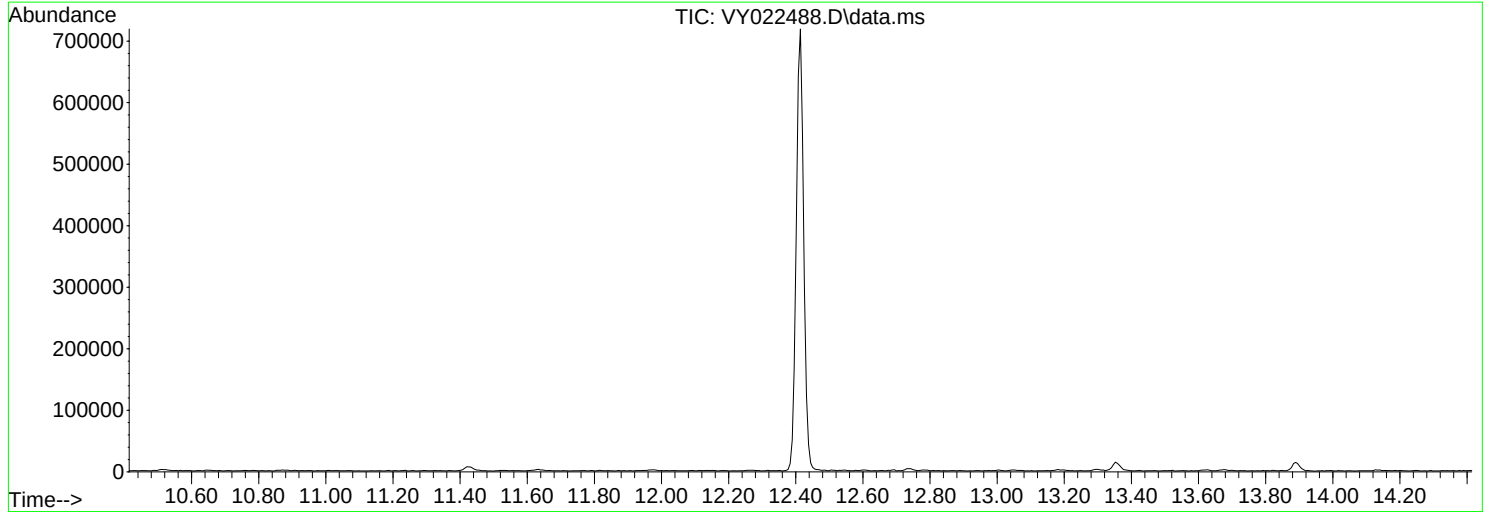
QC SAMPLE DATA

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

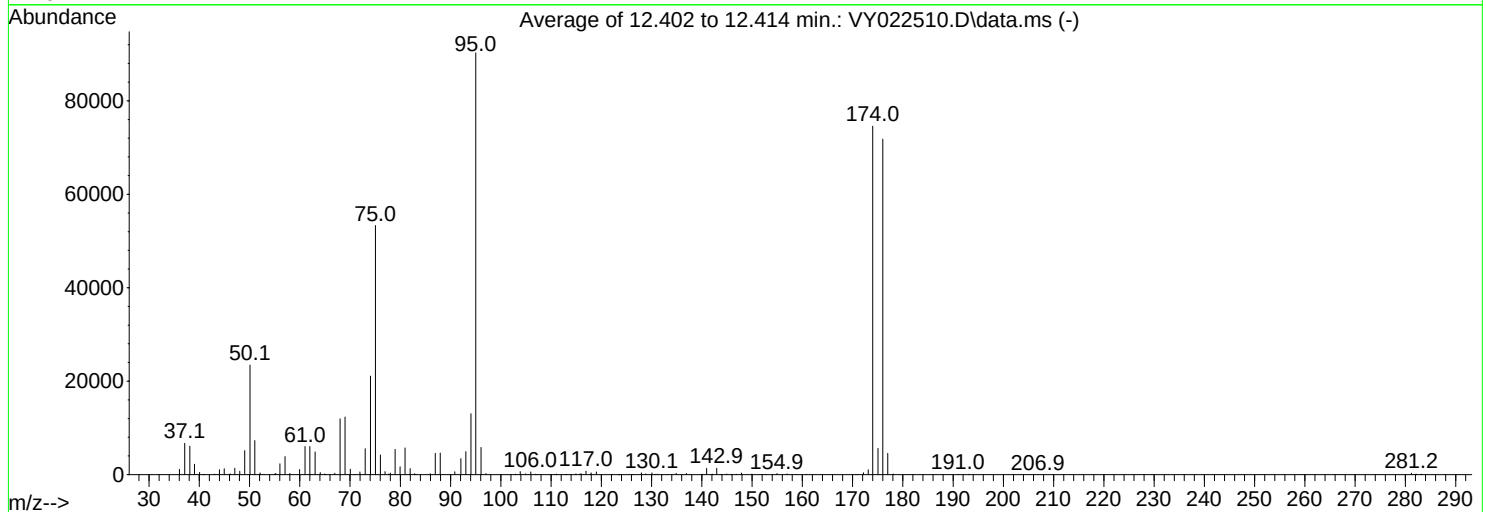
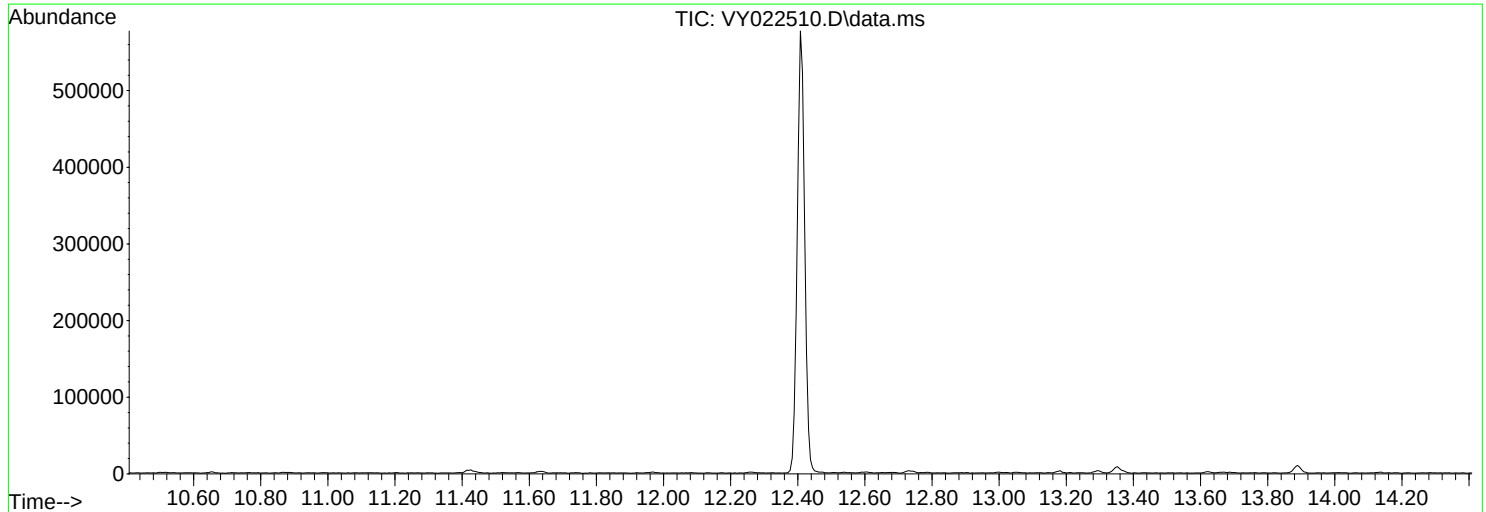
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	25.6	28688	PASS
75	95	30	60	58.9	66115	PASS
95	95	100	100	100.0	112208	PASS
96	95	5	9	6.9	7706	PASS
173	174	0.00	2	0.6	591	PASS
174	95	50	100	86.2	96760	PASS
175	174	5	9	7.6	7372	PASS
176	174	95	101	95.6	92520	PASS
177	176	5	9	6.6	6076	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022510.D
Acq On : 03 Jun 2025 09:03
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 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.0	23445	PASS
75	95	30	60	59.1	53331	PASS
95	95	100	100	100.0	90275	PASS
96	95	5	9	6.5	5832	PASS
173	174	0.00	2	1.4	1029	PASS
174	95	50	100	82.6	74597	PASS
175	174	5	9	7.6	5633	PASS
176	174	95	101	96.3	71808	PASS
177	176	5	9	6.3	4541	PASS

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0603SBL01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBL01	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
VY022512.D	1		06/03/25 10:40	VY060325

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:	VY0603SBL01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBL01	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
VY022512.D	1		06/03/25 10:40	VY060325

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	53.5		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		17 - 146	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.713			
540-36-3	1,4-Difluorobenzene	534000	8.616			
3114-55-4	Chlorobenzene-d5	429000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	155000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0603SBL01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBL01	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
VY022512.D	1		06/03/25 10:40	VY060325

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\VY060325\
 Data File : VY022512.D
 Acq On : 03 Jun 2025 10:40
 Operator : SY/MD
 Sample : VY0603SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0603SBL01

Quant Time: Jun 04 04:08:54 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	287398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	534399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	428748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	155262	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171949	53.494	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.980%
35) Dibromofluoromethane	7.640	113	162497	50.944	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.880%
50) Toluene-d8	10.109	98	643614	49.937	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.408	95	161263	41.994	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.980%

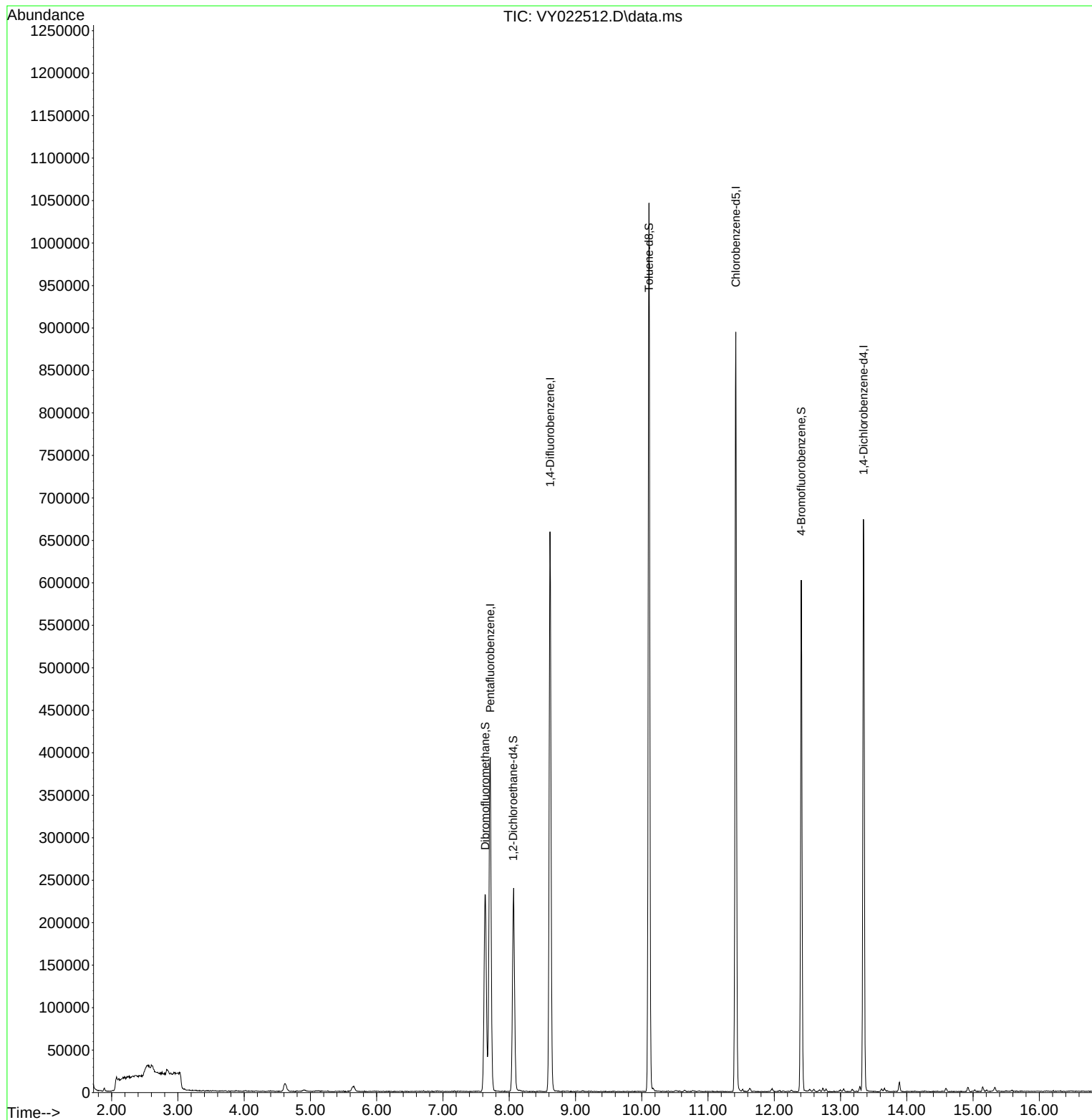
Target Compounds	Qvalue

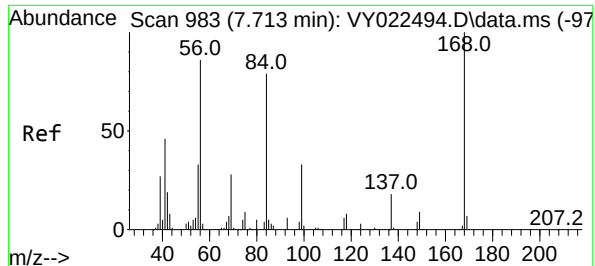
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Time: Jun 04 04:08:54 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

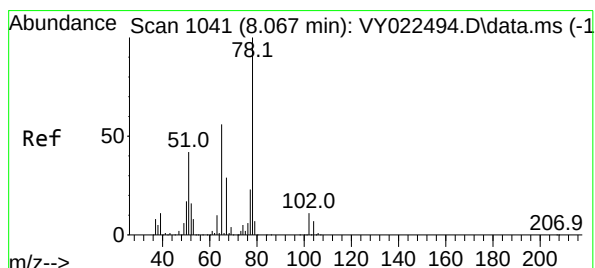
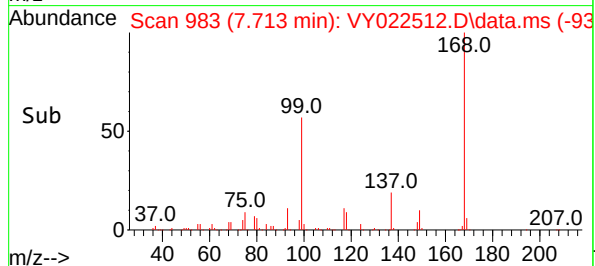
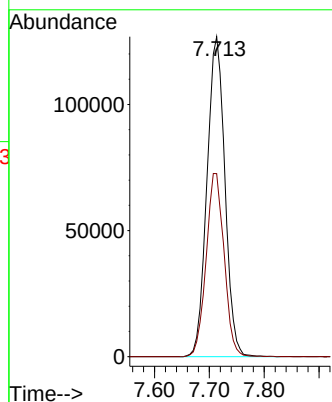
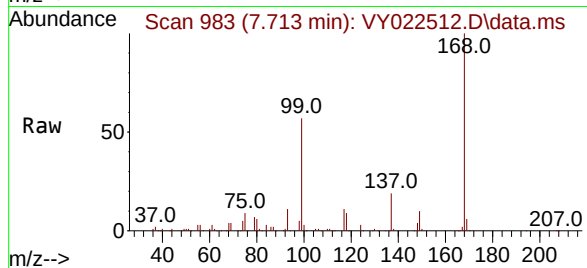




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

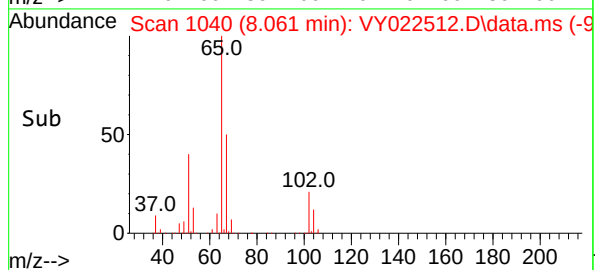
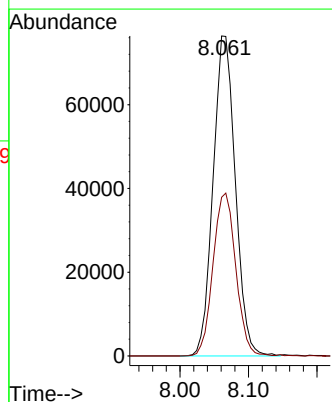
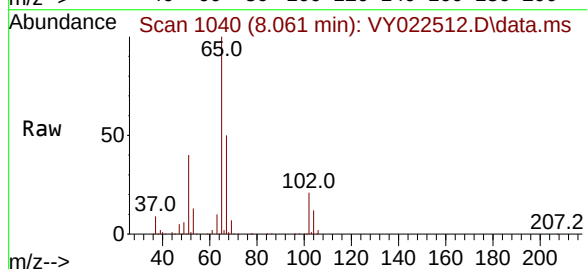
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

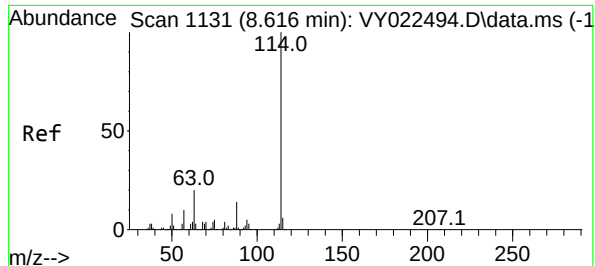
Tgt Ion:168 Resp: 287398
Ion Ratio Lower Upper
168 100
99 57.2 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 53.494 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion: 65 Resp: 171949
Ion Ratio Lower Upper
65 100
67 52.0 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: VY022512.D

Acq: 03 Jun 2025 10:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBL01

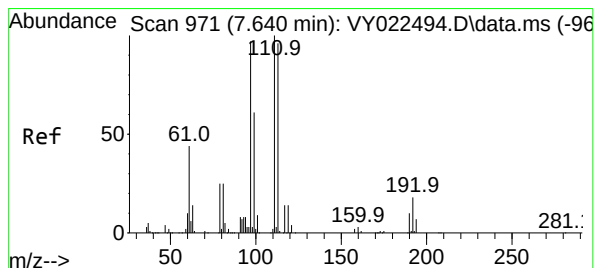
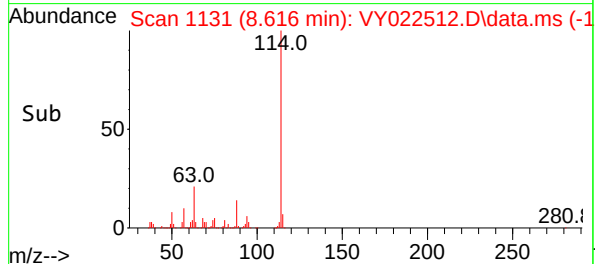
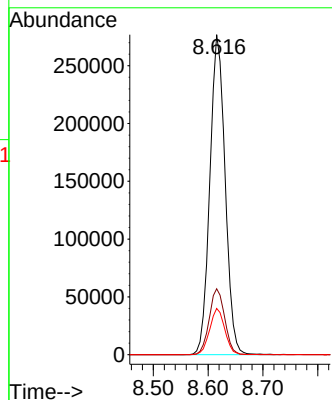
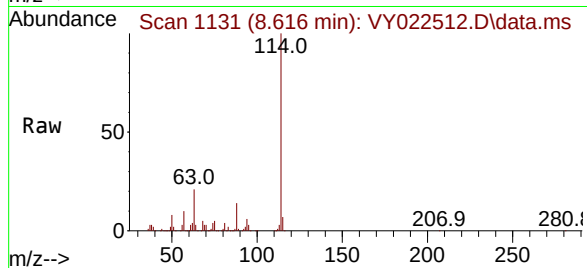
Tgt Ion:114 Resp: 534399

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 14.4 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.944 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022512.D

Acq: 03 Jun 2025 10:40

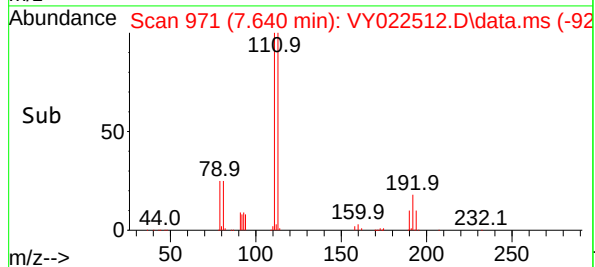
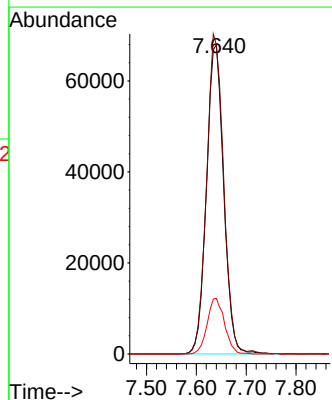
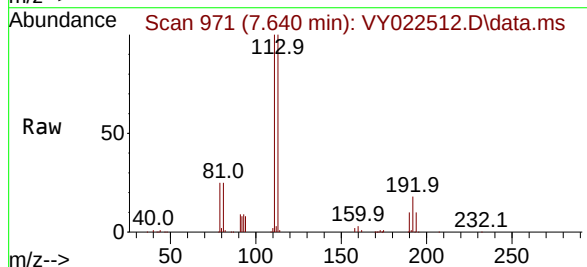
Tgt Ion:113 Resp: 162497

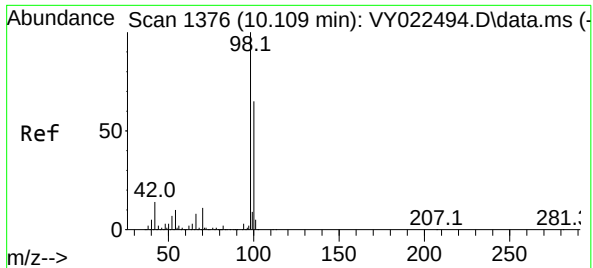
Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 18.1 14.2 21.2





#50

Toluene-d8

Concen: 49.937 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022512.D

Acq: 03 Jun 2025 10:40

Instrument :

MSVOA_Y

ClientSampleId :

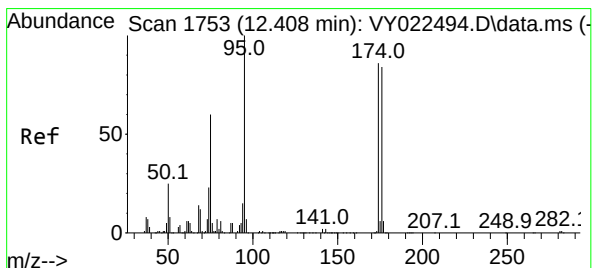
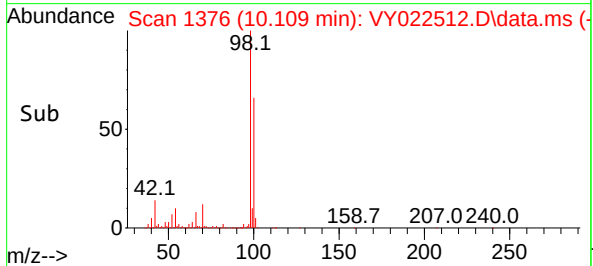
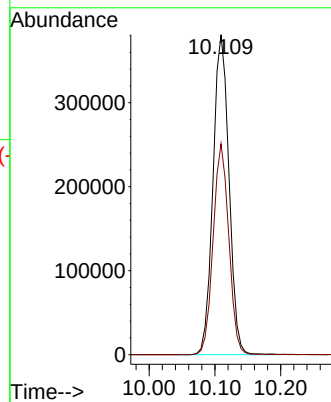
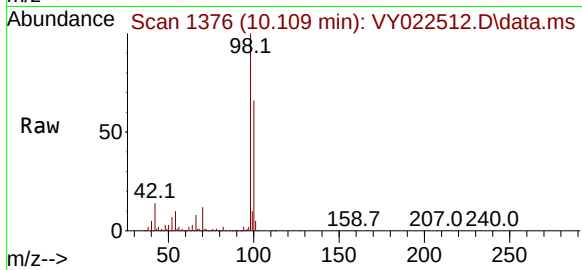
VY0603SBL01

Tgt Ion: 98 Resp: 643614

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 41.994 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022512.D

Acq: 03 Jun 2025 10:40

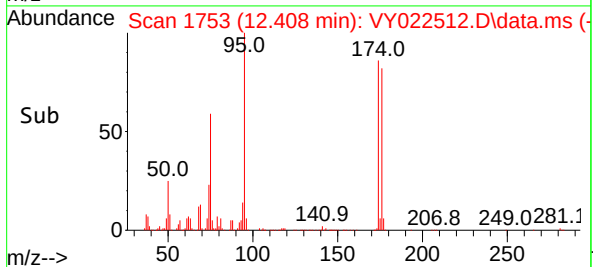
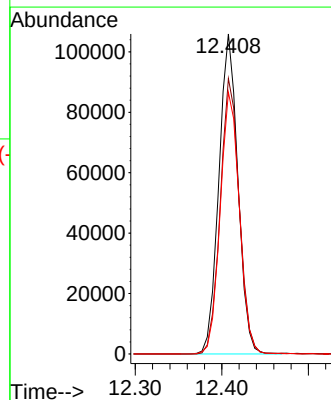
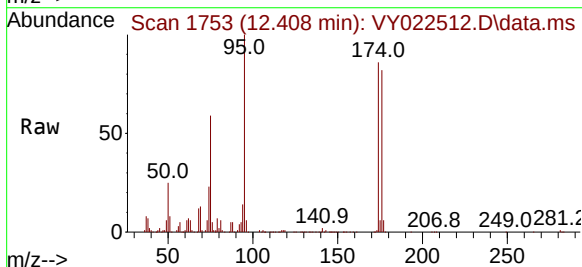
Tgt Ion: 95 Resp: 161263

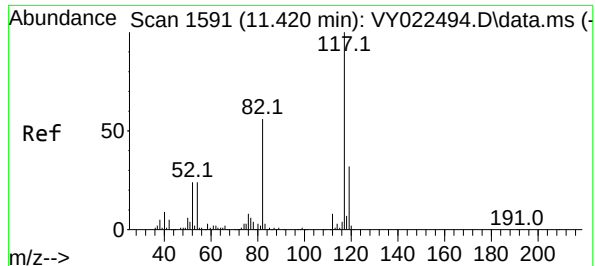
Ion Ratio Lower Upper

95 100

174 86.0 0.0 170.0

176 82.5 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: VY022512.D

Acq: 03 Jun 2025 10:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBL01

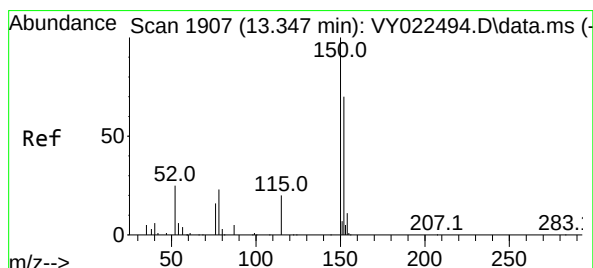
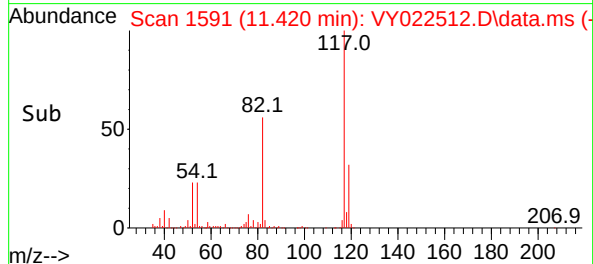
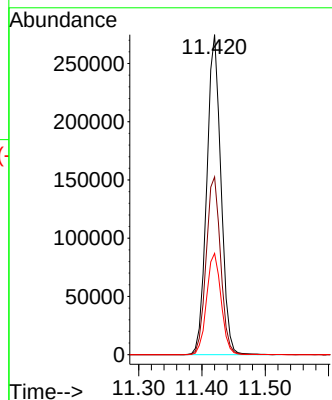
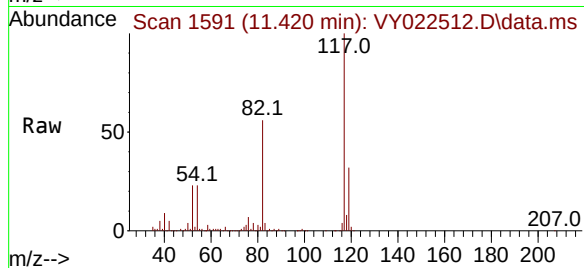
Tgt Ion:117 Resp: 428748

Ion Ratio Lower Upper

117 100

82 55.6 44.6 66.8

119 31.6 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: VY022512.D

Acq: 03 Jun 2025 10:40

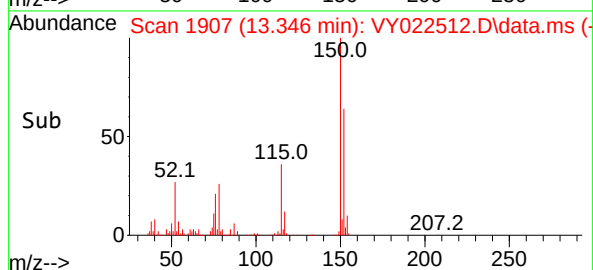
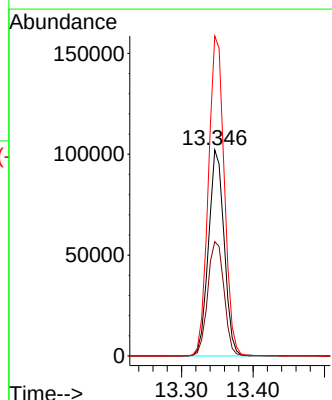
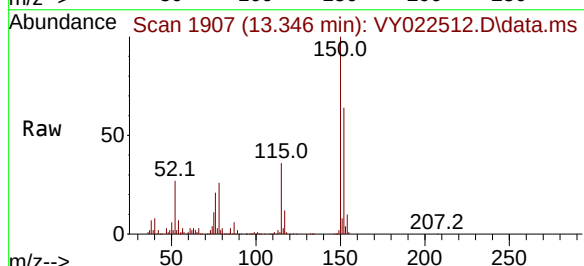
Tgt Ion:152 Resp: 155262

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 158.0 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022512.D
 Acq On : 03 Jun 2025 10:40
 Operator : SY/MD
 Sample : VY0603SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0603SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M

Title : SW846 8260

Signal : TIC: VY022512.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	61	rBV4	16308	35746	2.03%	0.419%
2	2.525	124	132	134	rBV6	11508	28540	1.62%	0.335%
3	4.616	465	475	487	rBV5	9205	28836	1.64%	0.338%
4	5.647	635	644	656	rVB5	6196	19866	1.13%	0.233%
5	7.634	960	970	976	rBV	231701	558773	31.74%	6.557%
6	7.713	976	983	993	rVB	392129	893359	50.75%	10.483%
7	8.067	1030	1041	1053	rBV	239523	514607	29.23%	6.039%
8	8.616	1122	1131	1143	rBV	658828	1278696	72.63%	15.005%
9	10.109	1367	1376	1385	rBV	1045962	1760453	100.00%	20.658%
10	11.420	1583	1591	1603	rBV	894137	1423227	80.84%	16.700%
11	12.408	1741	1753	1760	rBV	602384	930697	52.87%	10.921%
12	13.346	1901	1907	1916	rVB	672428	1031179	58.57%	12.100%
13	13.889	1990	1996	2003	rBV	11170	18100	1.03%	0.212%

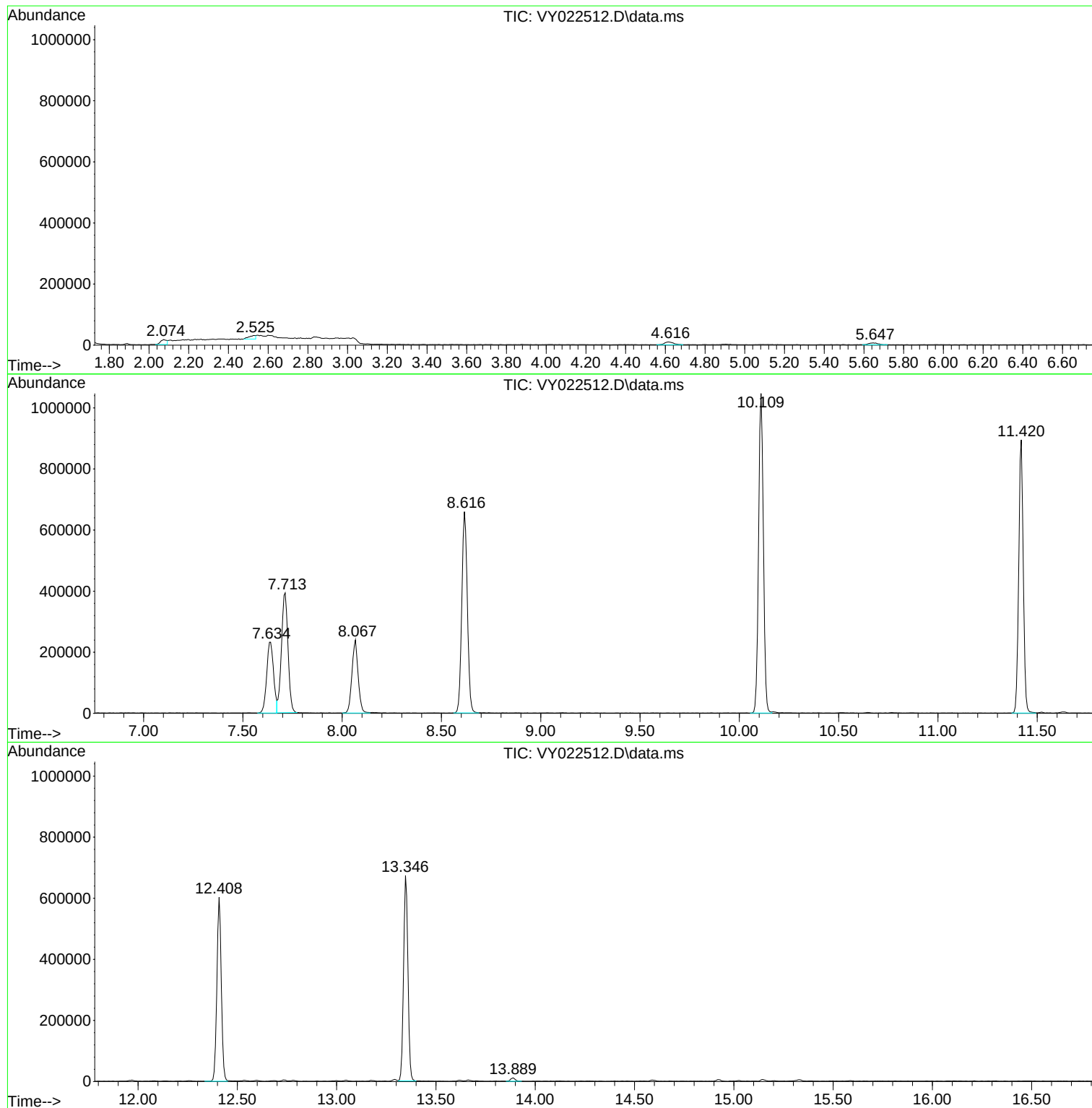
Sum of corrected areas: 8522079

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0603SBS01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBS01	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
VY022513.D	1		06/03/25 11:15	VY060325

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	18.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		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	21.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.2		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.8		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.0		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:	VY0603SBS01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBS01	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
VY022513.D	1		06/03/25 11:15	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.6		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	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.6		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	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		17 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	7.707			
540-36-3	1,4-Difluorobenzene	338000	8.615			
3114-55-4	Chlorobenzene-d5	284000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0603SBS01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBS01	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
VY022513.D	1		06/03/25 11:15	VY060325

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\VY060325\
 Data File : VY022513.D
 Acq On : 03 Jun 2025 11:15
 Operator : SY/MD
 Sample : VY0603SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0603SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:09:14 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	197612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	337632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110445	49.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.940%		
35) Dibromofluoromethane	7.634	113	102818	51.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.040%		
50) Toluene-d8	10.109	98	418973	51.452	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.900%		
62) 4-Bromofluorobenzene	12.407	95	118916	49.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	39051	22.073	ug/l	95
3) Chloromethane	2.074	50	96334	18.431	ug/l	98
4) Vinyl Chloride	2.208	62	126140	20.803	ug/l	96
5) Bromomethane	2.592	94	117107	20.151	ug/l	98
6) Chloroethane	2.732	64	88804	21.338	ug/l	96
7) Trichlorofluoromethane	3.049	101	114182	22.182	ug/l	99
8) Diethyl Ether	3.458	74	24346	21.002	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	46051	21.242	ug/l	99
10) Methyl Iodide	4.007	142	43818	18.677	ug/l	100
11) Tert butyl alcohol	4.872	59	15349	97.233	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	43949	21.208	ug/l	95
13) Acrolein	3.653	56	20560	104.508	ug/l	97
14) Allyl chloride	4.391	41	67413	20.722	ug/l	98
15) Acrylonitrile	5.067	53	48448	98.683	ug/l	98
16) Acetone	3.872	43	64637	144.004	ug/l	97
17) Carbon Disulfide	4.110	76	138205	20.831	ug/l	100
18) Methyl Acetate	4.391	43	27356	20.581	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	118612	20.321	ug/l	96
20) Methylene Chloride	4.616	84	47160	18.497	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	47664	20.551	ug/l	98
22) Diisopropyl ether	6.018	45	150165	20.737	ug/l	95
23) Vinyl Acetate	5.963	43	425369	99.247	ug/l	100
24) 1,1-Dichloroethane	5.921	63	90453	21.203	ug/l	98
25) 2-Butanone	6.902	43	76024	117.421	ug/l	90
26) 2,2-Dichloropropane	6.884	77	81323	21.575	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	55057	20.538	ug/l	97
28) Bromochloromethane	7.244	49	39559	21.273	ug/l	96
29) Tetrahydrofuran	7.262	42	40474	96.924	ug/l	100
30) Chloroform	7.427	83	88966	21.055	ug/l	94
31) Cyclohexane	7.701	56	85871	20.219	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	79604	21.222	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66890	20.451	ug/l	99
37) Ethyl Acetate	6.994	43	28280	19.388	ug/l	97
38) Carbon Tetrachloride	7.817	117	67799	20.206	ug/l	95
39) Methylcyclohexane	9.109	83	87053	19.805	ug/l	98
40) Benzene	8.085	78	200164	20.720	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022513.D
 Acq On : 03 Jun 2025 11:15
 Operator : SY/MD
 Sample : VY0603SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0603SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:09:14 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	7.219	41	15933	18.701	ug/l	96
42) 1,2-Dichloroethane	8.158	62	53923	20.443	ug/l	99
43) Isopropyl Acetate	8.201	43	60985	19.359	ug/l #	87
44) Trichloroethene	8.865	130	50394	21.344	ug/l	95
45) 1,2-Dichloropropane	9.146	63	47626	20.860	ug/l	99
46) Dibromomethane	9.231	93	24877	19.368	ug/l	97
47) Bromodichloromethane	9.426	83	67673	20.778	ug/l	95
48) Methyl methacrylate	9.225	41	27658	18.707	ug/l	96
49) 1,4-Dioxane	9.237	88	5752	378.003	ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	150751	95.984	ug/l	100
52) Toluene	10.170	92	122301	20.145	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	60125	19.703	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	73109	20.581	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	33009	20.154	ug/l	95
56) Ethyl methacrylate	10.438	69	44052	18.609	ug/l	99
57) 1,3-Dichloropropane	10.719	76	57905	19.947	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	104791	97.502	ug/l	99
59) 2-Hexanone	10.761	43	113080	107.655	ug/l	99
60) Dibromochloromethane	10.908	129	41162	19.776	ug/l	99
61) 1,2-Dibromoethane	11.017	107	30056	20.134	ug/l	95
64) Tetrachloroethene	10.646	164	51847	21.203	ug/l	99
65) Chlorobenzene	11.444	112	127590	20.283	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.517	131	42827	20.210	ug/l	99
67) Ethyl Benzene	11.517	91	236274	20.251	ug/l	99
68) m/p-Xylenes	11.627	106	177595	40.152	ug/l	99
69) o-Xylene	11.956	106	83043	20.025	ug/l	99
70) Styrene	11.969	104	136395	19.898	ug/l	99
71) Bromoform	12.133	173	21024	18.644	ug/l #	99
73) Isopropylbenzene	12.255	105	218088	20.130	ug/l	100
74) N-amyl acetate	12.072	43	51955	19.006	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33056	18.590	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	27133m	17.973	ug/l	
77) Bromobenzene	12.529	156	44250	19.355	ug/l	95
78) n-propylbenzene	12.596	91	268379	20.282	ug/l	100
79) 2-Chlorotoluene	12.682	91	140839	20.082	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	169137	19.885	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12442	19.903	ug/l	92
82) 4-Chlorotoluene	12.779	91	144089	19.916	ug/l	100
83) tert-Butylbenzene	12.999	119	155396	20.356	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	167992	19.747	ug/l	100
85) sec-Butylbenzene	13.176	105	234207	20.032	ug/l	100
86) p-Isopropyltoluene	13.291	119	188849	19.596	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	89632	19.350	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	89737	19.974	ug/l	100
89) n-Butylbenzene	13.615	91	183570	20.077	ug/l	100
90) Hexachloroethane	13.883	117	38158	20.338	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	77708	19.759	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4880	18.850	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	40402	18.836	ug/l	97
94) Hexachlorobutadiene	15.023	225	23265	19.652	ug/l	99
95) Naphthalene	15.145	128	74961	18.211	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	35695	19.418	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:09:14 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

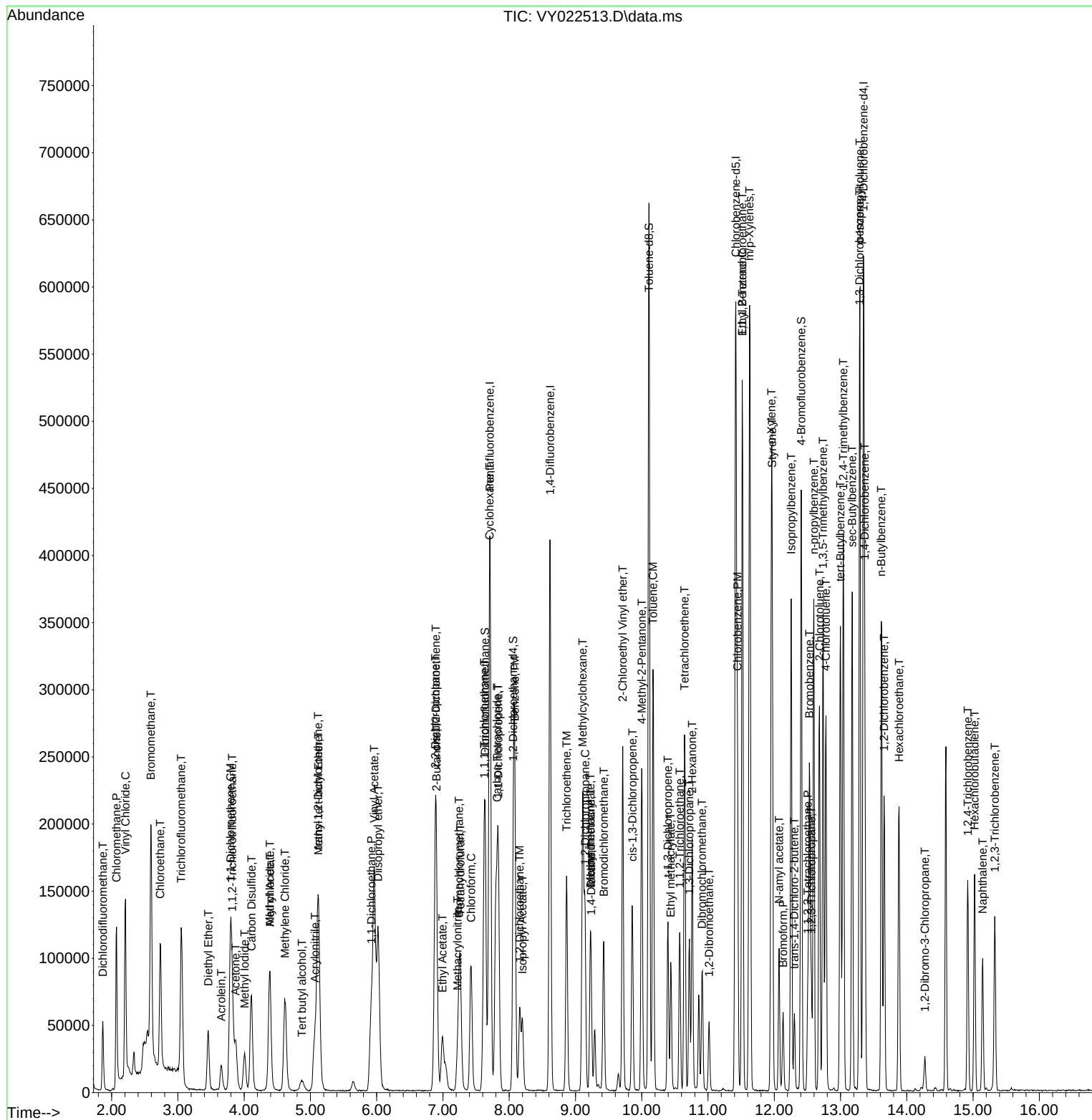
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY06035BS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

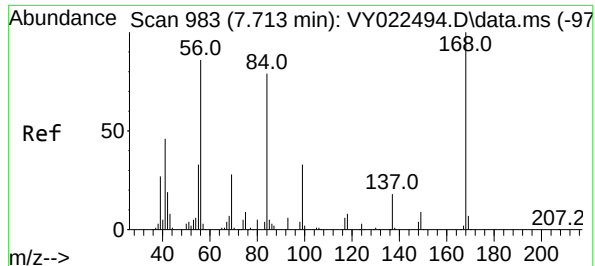
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Manual Integrations

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

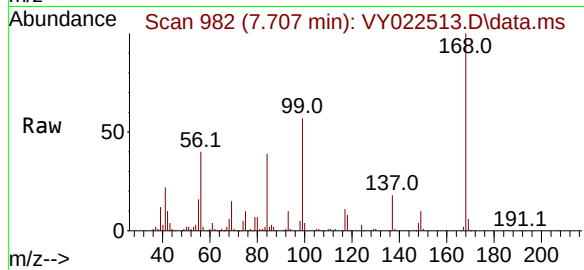
Quant Time: Jun 04 04:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 983
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

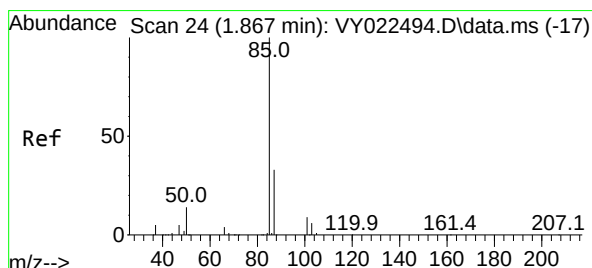
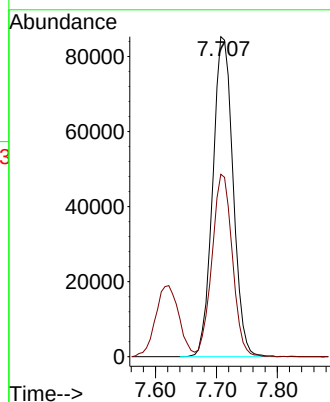
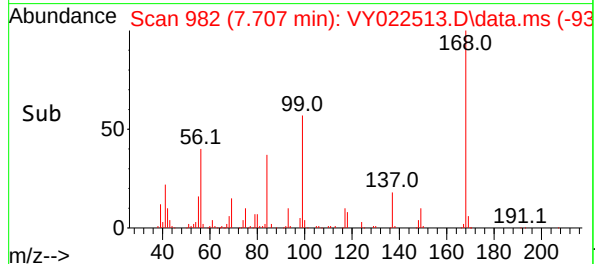
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion:168 Resp: 197612
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5

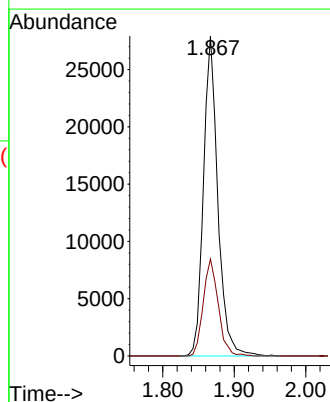
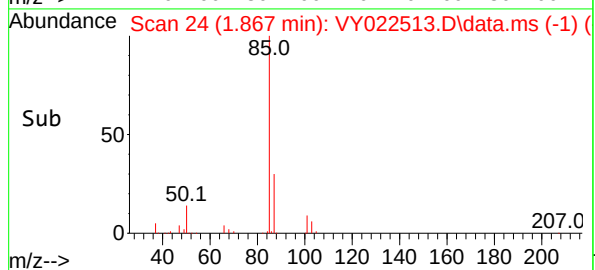
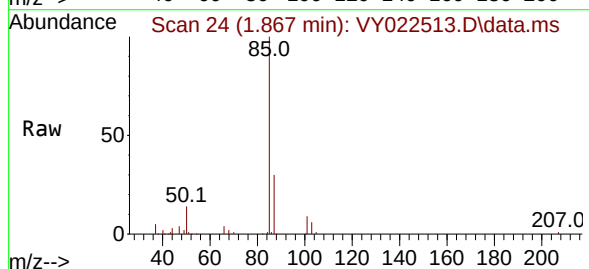
Manual Integrations
APPROVED

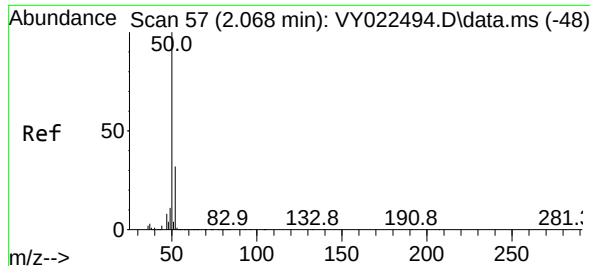
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#2
Dichlorodifluoromethane
Concen: 22.073 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Tgt Ion: 85 Resp: 39051
Ion Ratio Lower Upper
85 100
87 30.3 16.7 50.0





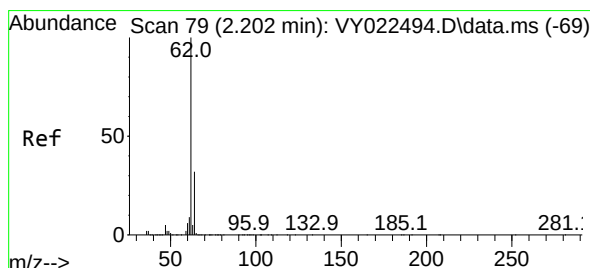
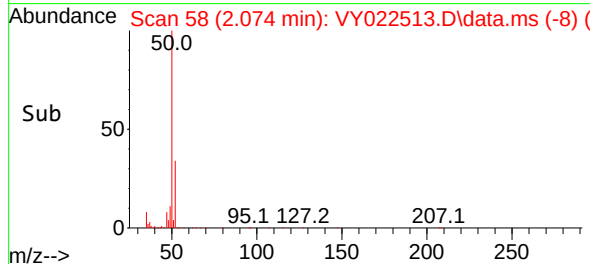
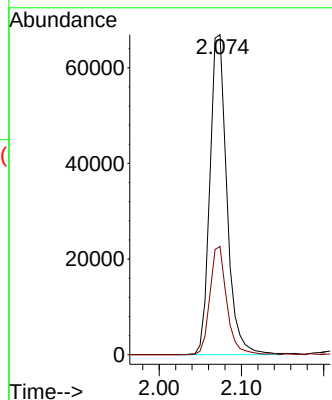
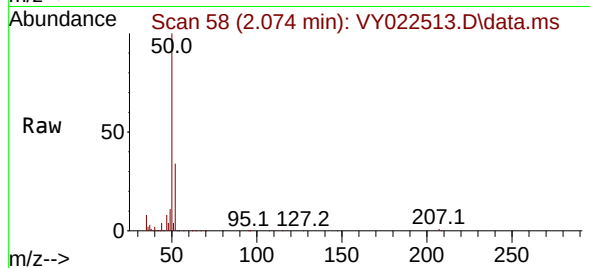
#3
Chloromethane
Concen: 18.431 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Tgt Ion: 50 Resp: 96334
Ion Ratio Lower Upper
50 100
52 33.8 26.0 39.0

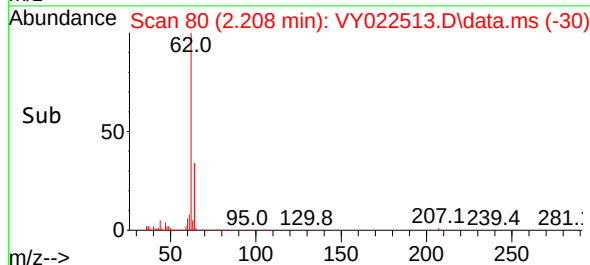
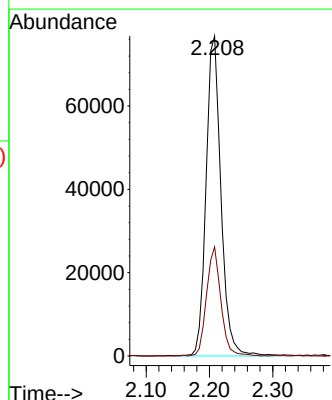
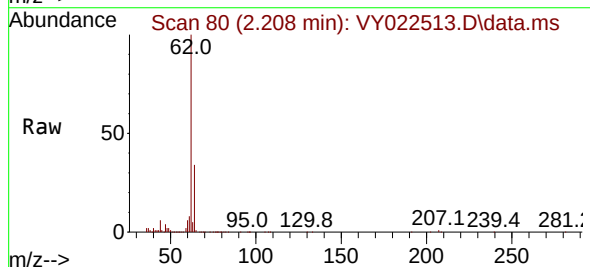
Manual Integrations
APPROVED

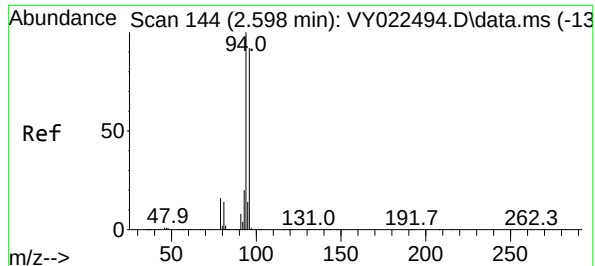
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#4
Vinyl Chloride
Concen: 20.803 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

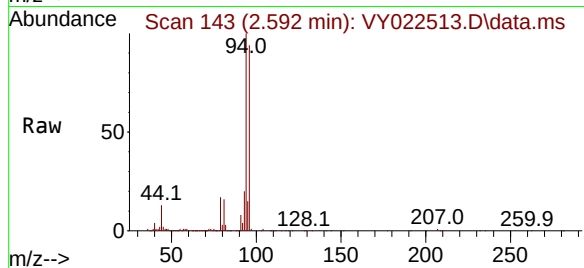
Tgt Ion: 62 Resp: 126140
Ion Ratio Lower Upper
62 100
64 34.0 25.3 37.9





#5
Bromomethane
Concen: 20.151 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

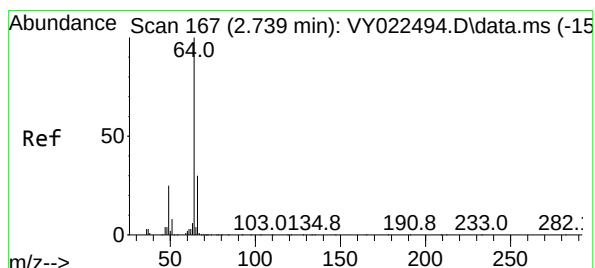
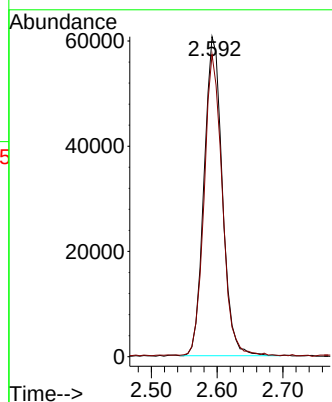
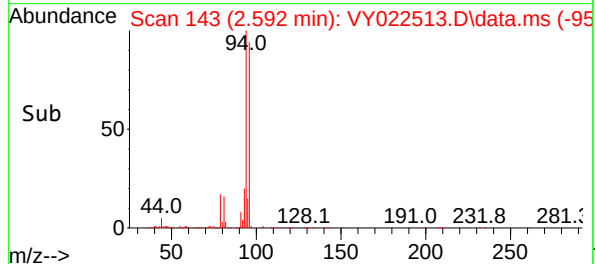
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



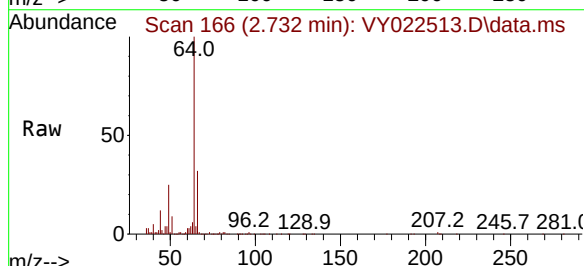
Tgt Ion: 94 Resp: 11710
Ion Ratio Lower Upper
94 100
96 94.4 74.0 111.0

Manual Integrations
APPROVED

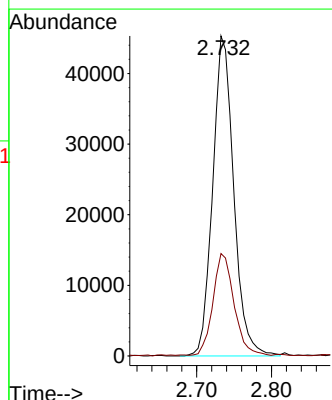
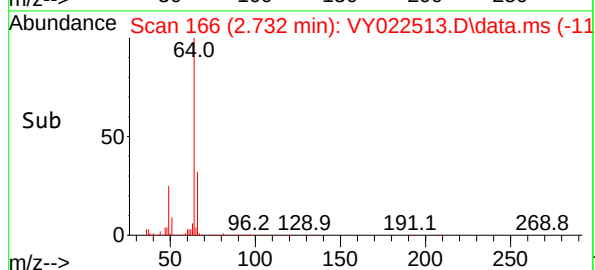
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

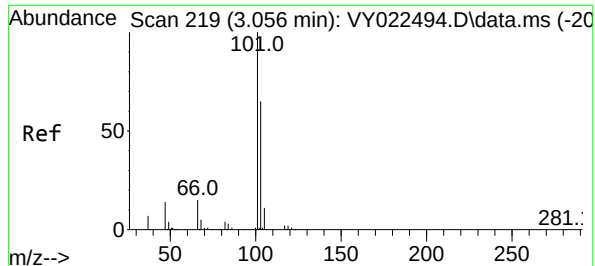


#6
Chloroethane
Concen: 21.338 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15



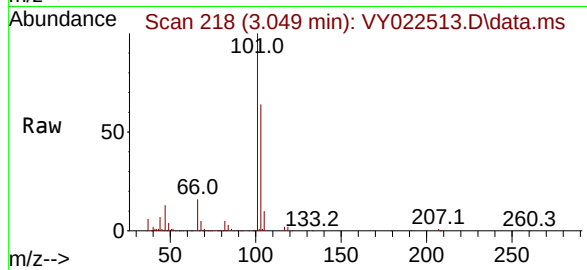
Tgt Ion: 64 Resp: 88804
Ion Ratio Lower Upper
64 100
66 31.7 23.8 35.6





#7
Trichlorofluoromethane
Concen: 22.182 ug/l
RT: 3.049 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

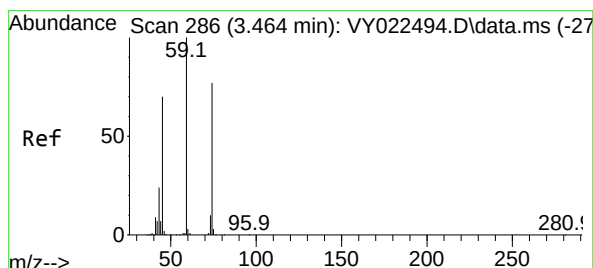
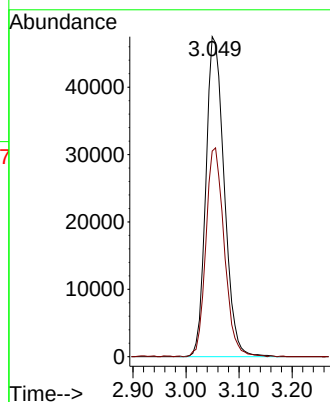
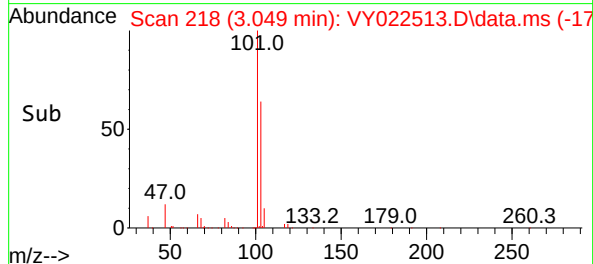
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



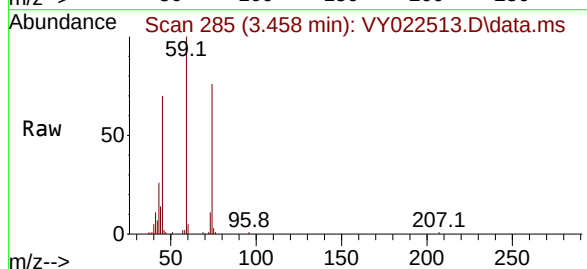
Tgt Ion:101 Resp: 11418
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.2

Manual Integrations
APPROVED

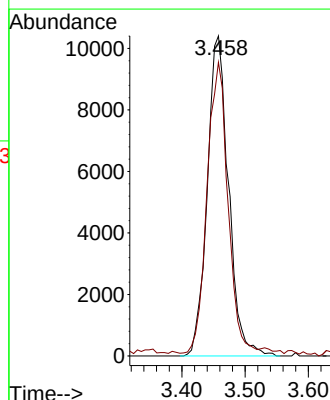
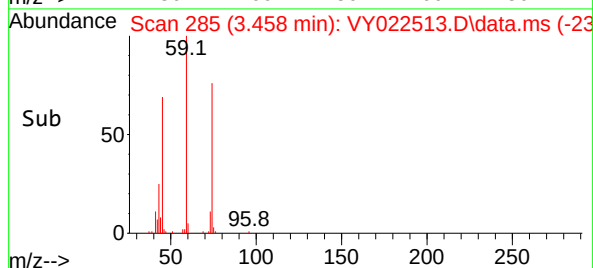
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

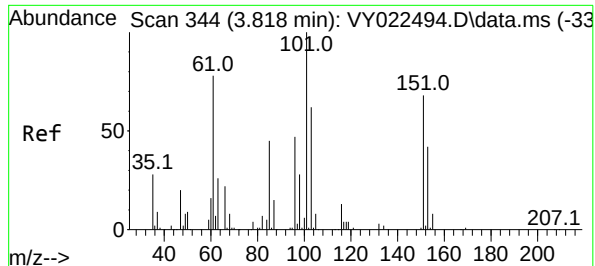


#8
Diethyl Ether
Concen: 21.002 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15



Tgt Ion: 74 Resp: 24346
Ion Ratio Lower Upper
74 100
45 88.7 45.9 137.6





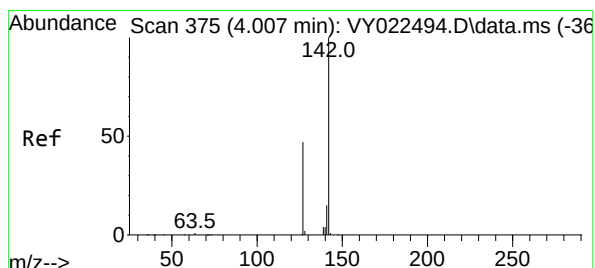
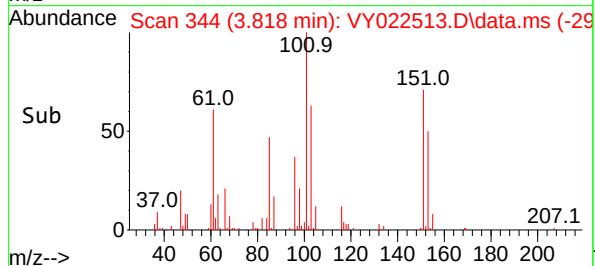
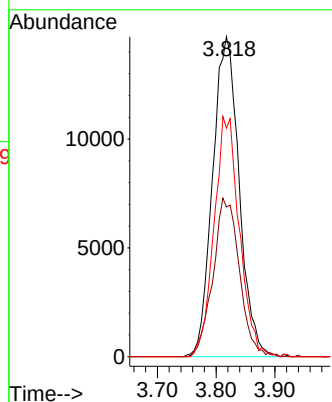
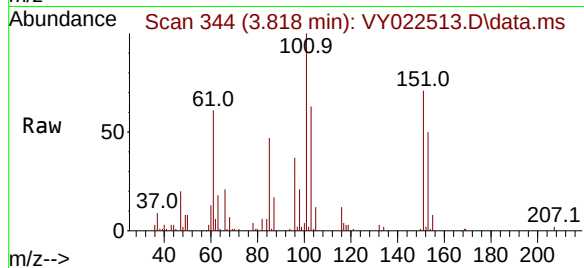
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.242 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Tgt Ion:101 Resp: 4605
Ion Ratio Lower Upper
101 100
85 49.3 39.3 58.9
151 71.8 57.8 86.8

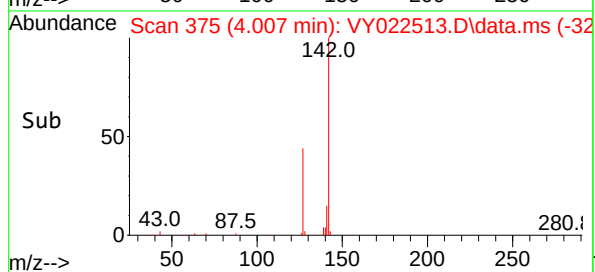
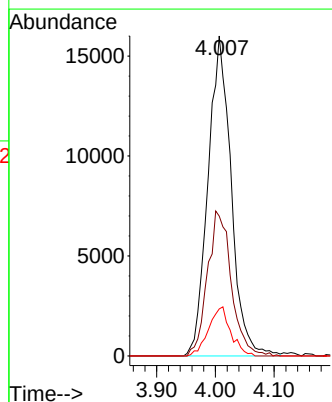
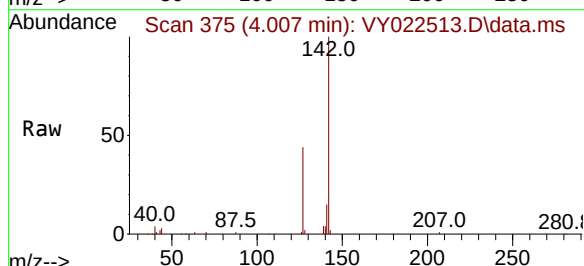
Manual Integrations
APPROVED

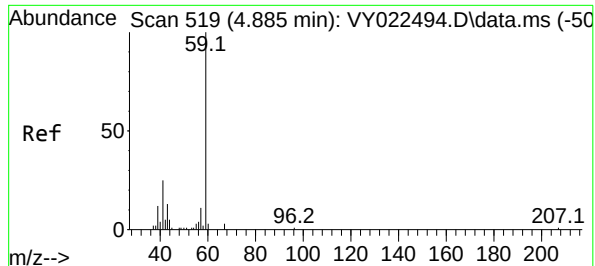
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#10
Methyl Iodide
Concen: 18.677 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Tgt Ion:142 Resp: 43818
Ion Ratio Lower Upper
142 100
127 46.6 37.1 55.7
141 14.7 11.4 17.2





#11

Tert butyl alcohol

Concen: 97.233 ug/l

RT: 4.872 min Scan# 519

Delta R.T. -0.012 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 59 Resp: 15349

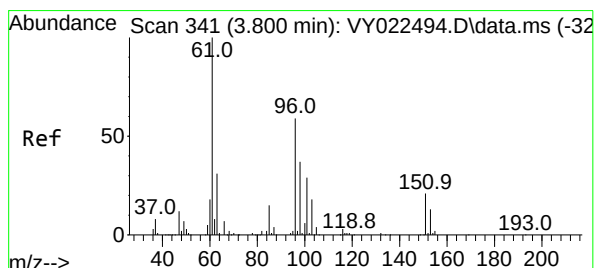
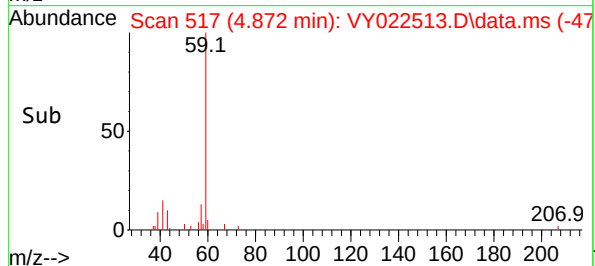
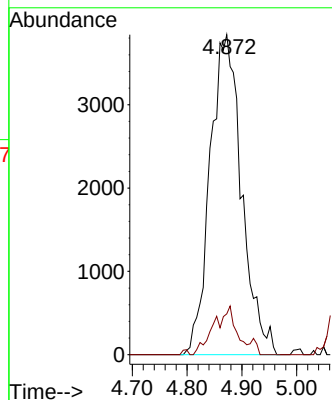
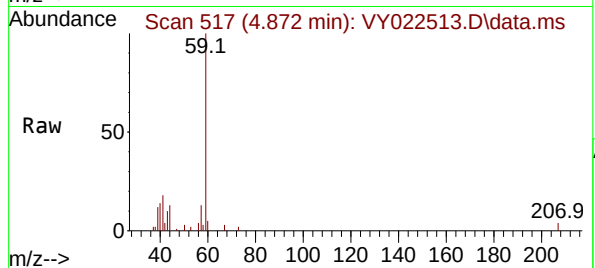
Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#12

1,1-Dichloroethene

Concen: 21.208 ug/l

RT: 3.793 min Scan# 340

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

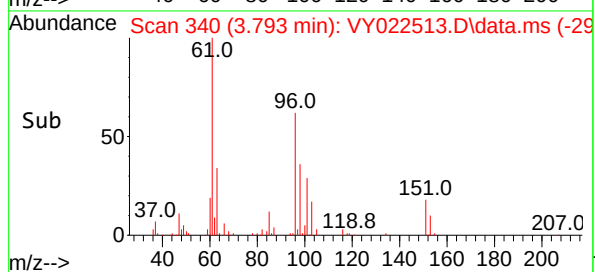
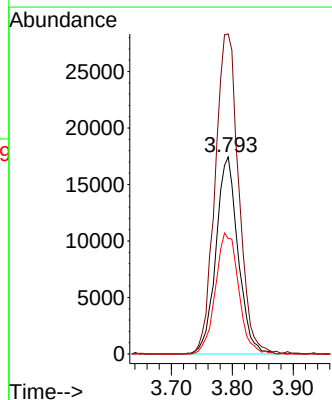
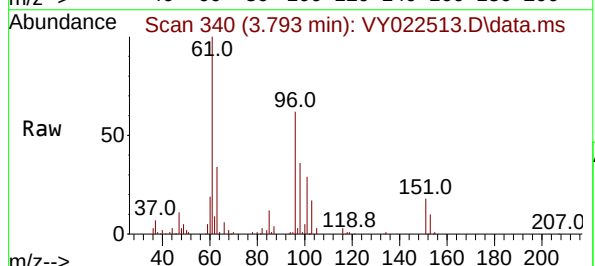
Tgt Ion: 96 Resp: 43949

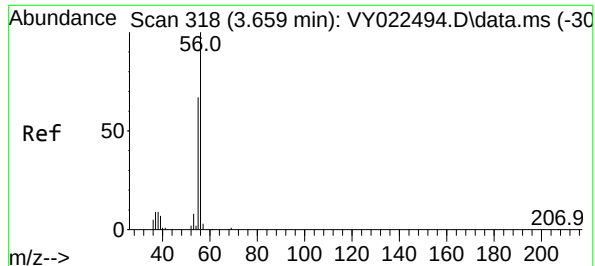
Ion Ratio Lower Upper

96 100

61 162.5 134.6 201.8

98 58.7 50.2 75.4





#13

Acrolein

Concen: 104.508 ug/l

RT: 3.653 min Scan# 318

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 56 Resp: 20560

Ion Ratio Lower Upper

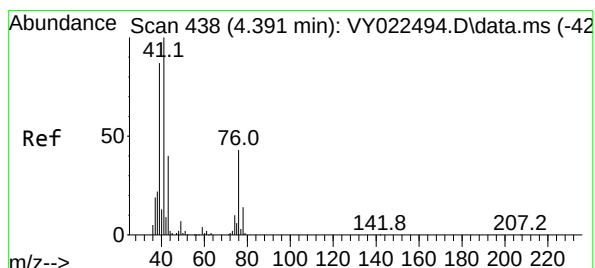
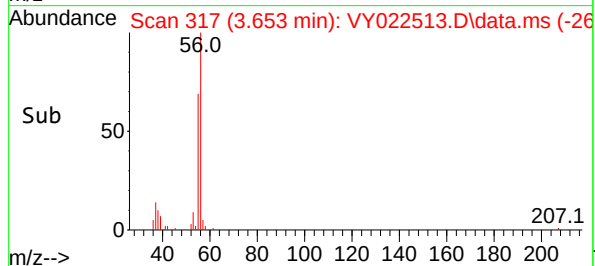
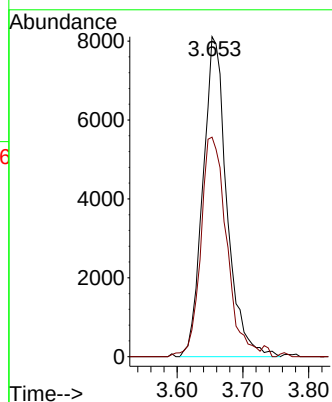
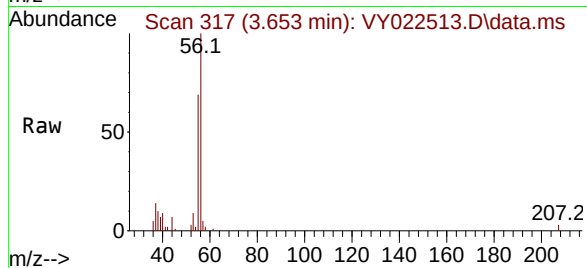
56 100

55 73.7 57.0 85.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#14

Allyl chloride

Concen: 20.722 ug/l

RT: 4.391 min Scan# 438

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

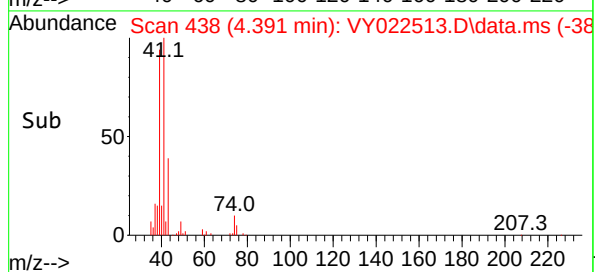
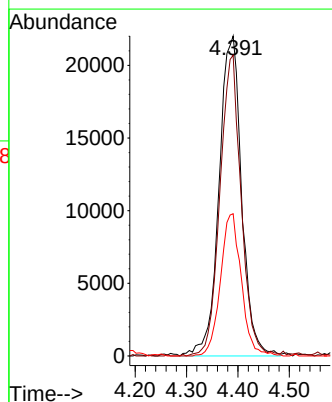
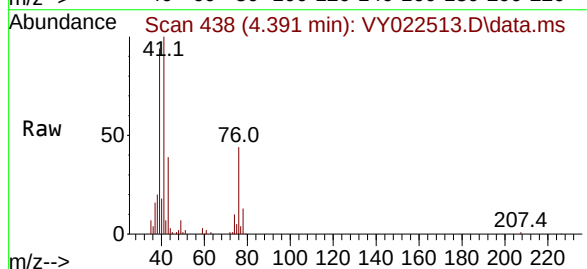
Tgt Ion: 41 Resp: 67413

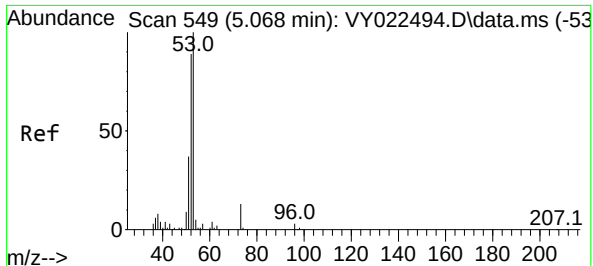
Ion Ratio Lower Upper

41 100

39 88.1 69.1 103.7

76 41.0 33.5 50.3





#15

Acrylonitrile

Concen: 98.683 ug/l

RT: 5.067 min Scan# 549

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 53 Resp: 4844

Ion Ratio Lower Upper

53 100

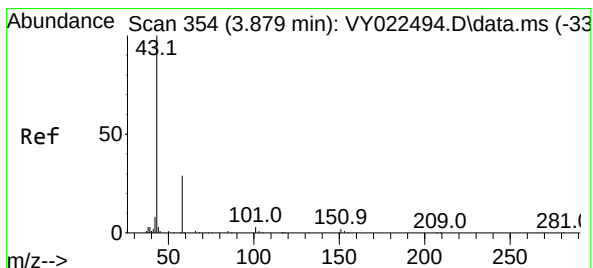
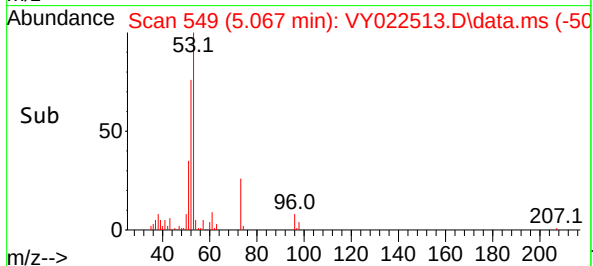
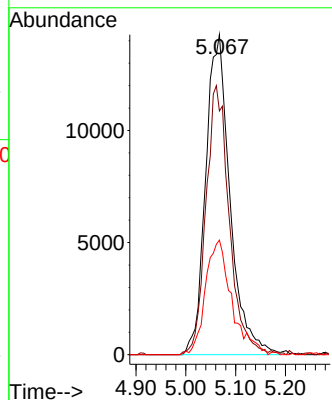
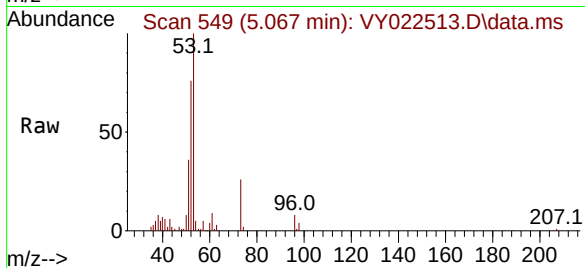
52 80.5 65.7 98.5

51 38.5 30.1 45.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#16

Acetone

Concen: 144.004 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY022513.D

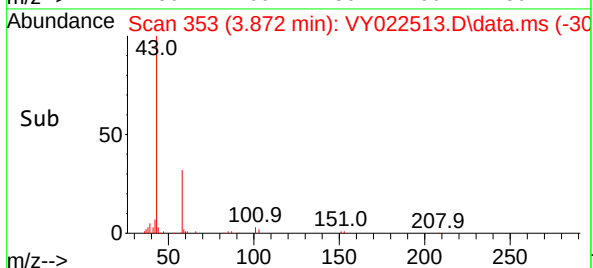
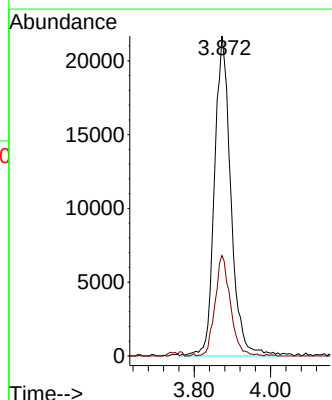
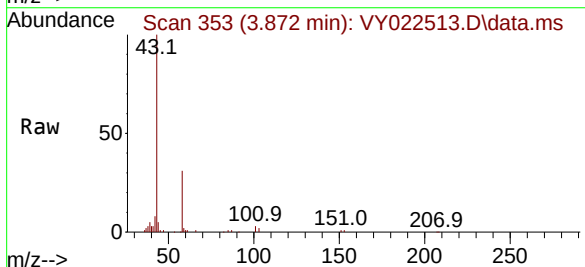
Acq: 03 Jun 2025 11:15

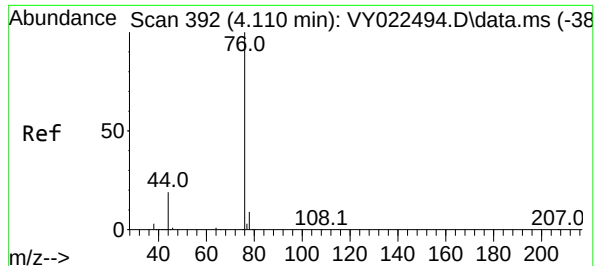
Tgt Ion: 43 Resp: 64637

Ion Ratio Lower Upper

43 100

58 31.4 24.0 36.0





#17

Carbon Disulfide

Concen: 20.831 ug/l

RT: 4.110 min Scan# 392

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 76 Resp: 13820

Ion Ratio Lower Upper

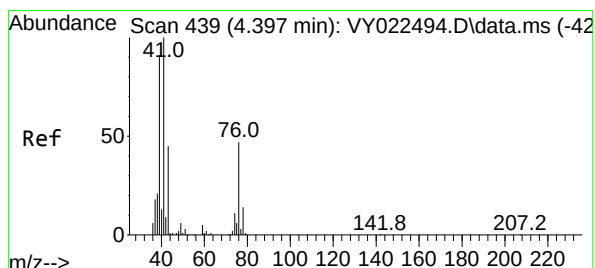
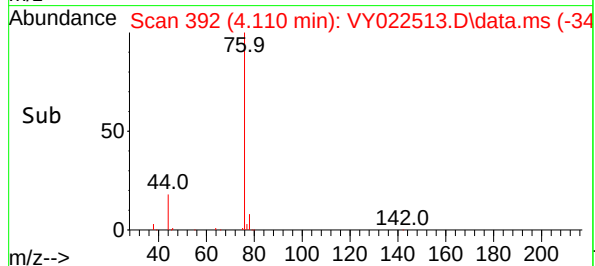
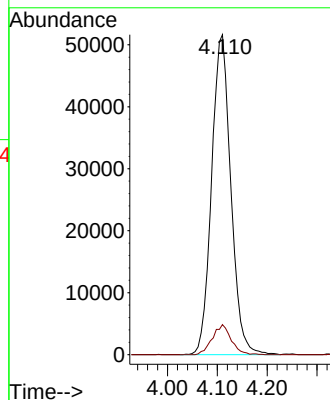
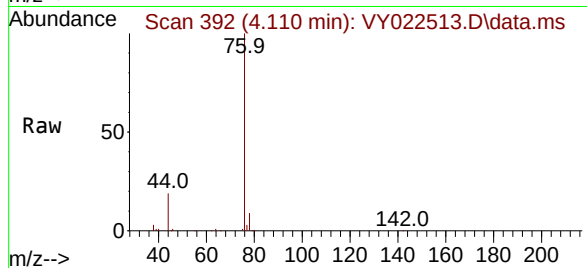
76 100

78 9.4 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#18

Methyl Acetate

Concen: 20.581 ug/l

RT: 4.391 min Scan# 438

Delta R.T. -0.006 min

Lab File: VY022513.D

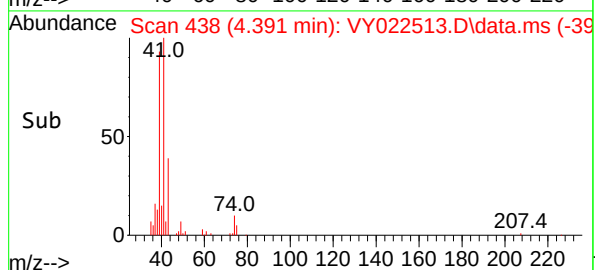
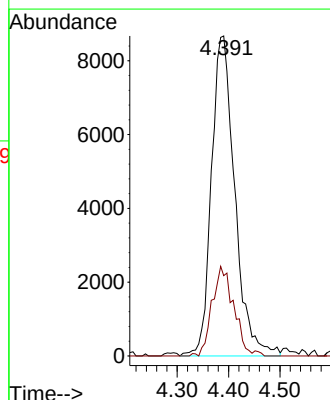
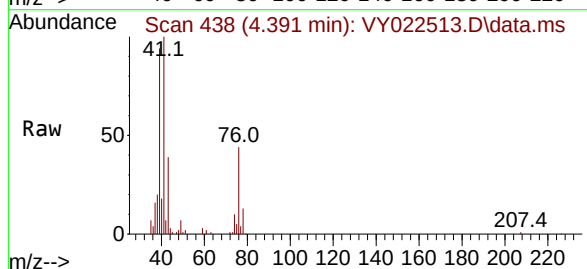
Acq: 03 Jun 2025 11:15

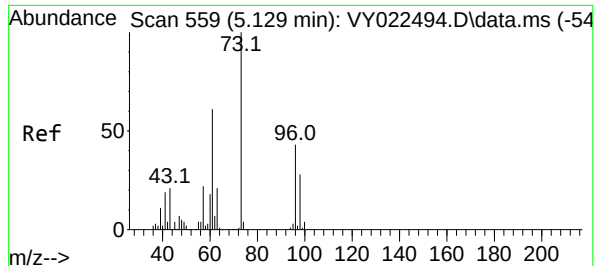
Tgt Ion: 43 Resp: 27356

Ion Ratio Lower Upper

43 100

74 25.6 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 20.321 ug/l

RT: 5.122 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 73 Resp: 11861

Ion Ratio Lower Upper

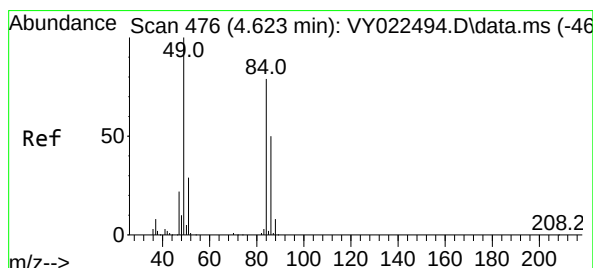
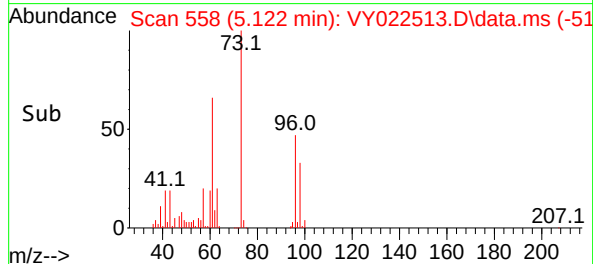
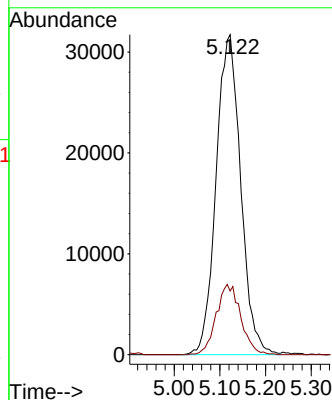
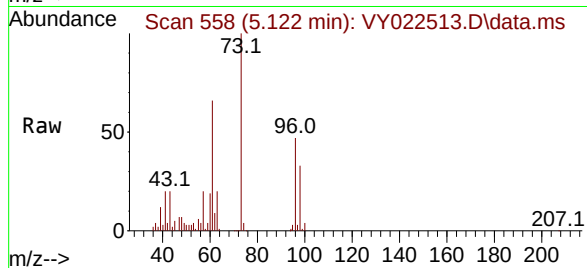
73 100

57 19.9 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#20

Methylene Chloride

Concen: 18.497 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Tgt Ion: 84 Resp: 47160

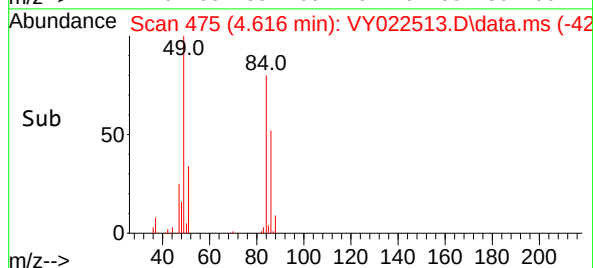
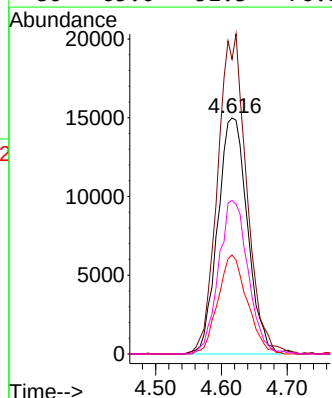
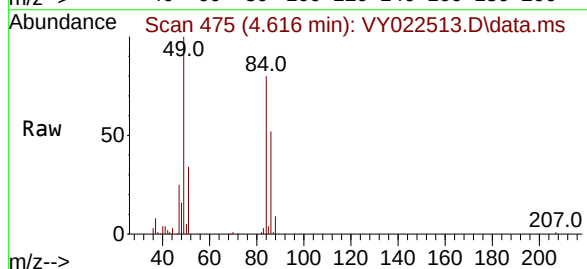
Ion Ratio Lower Upper

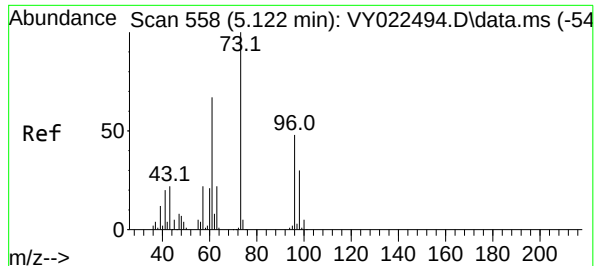
84 100

49 124.9 101.9 152.9

51 42.0 29.8 44.8

86 65.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.551 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 96 Resp: 47664

Ion Ratio Lower Upper

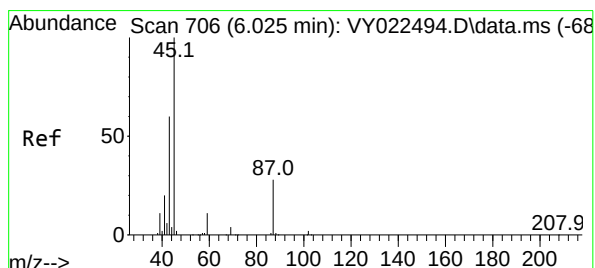
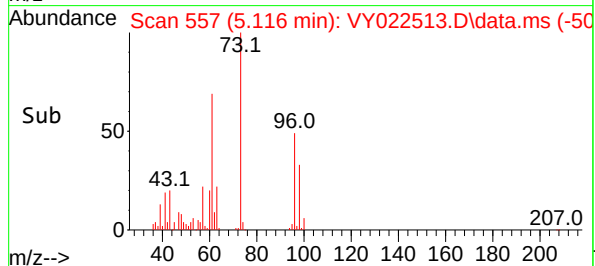
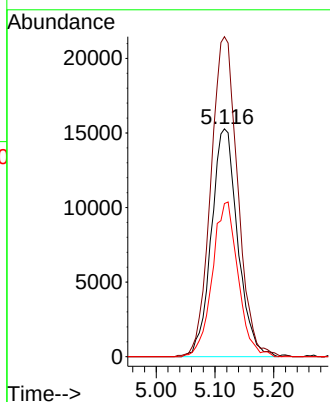
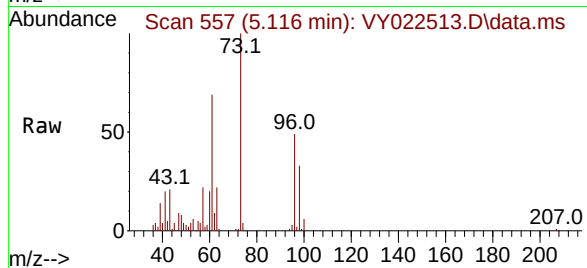
96 100

61 139.9 112.6 169.0

98 67.2 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#22

Diisopropyl ether

Concen: 20.737 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Tgt Ion: 45 Resp: 150165

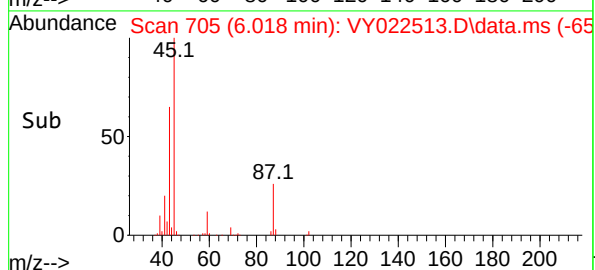
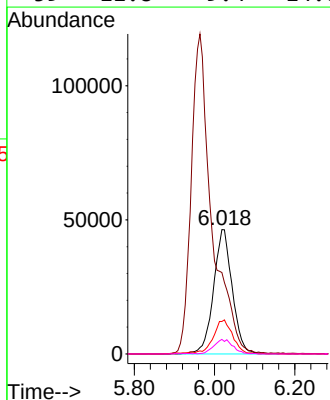
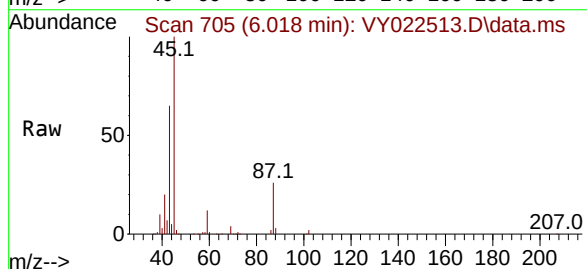
Ion Ratio Lower Upper

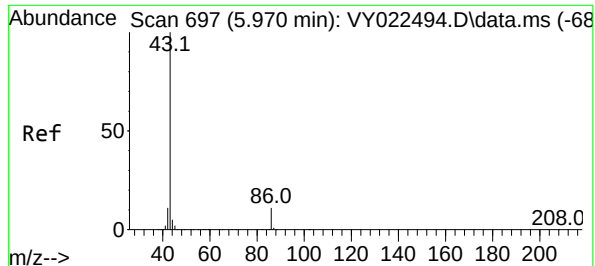
45 100

43 64.6 48.3 72.5

87 26.1 23.0 34.6

59 11.8 9.4 14.0





#23

Vinyl Acetate

Concen: 99.247 ug/l

RT: 5.963 min Scan# 697

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 43 Resp: 425369

Ion Ratio Lower Upper

43

100

86

10.8

8.6

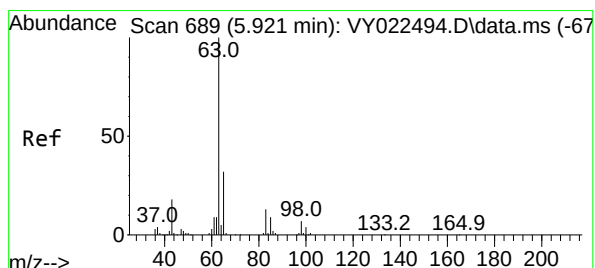
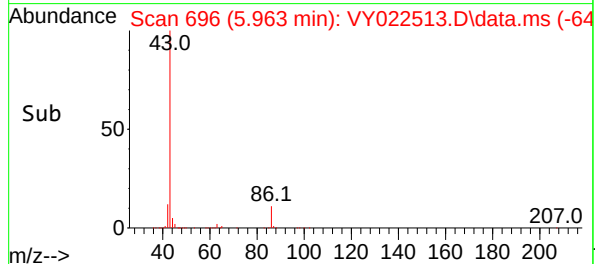
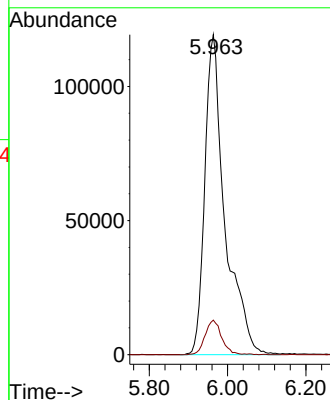
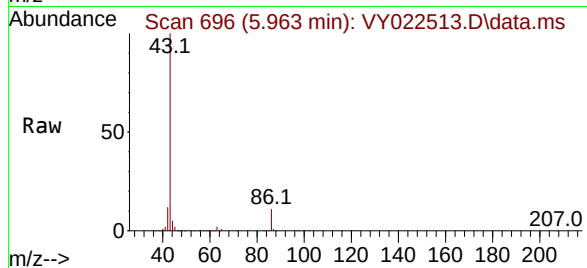
12.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#24

1,1-Dichloroethane

Concen: 21.203 ug/l

RT: 5.921 min Scan# 689

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Tgt Ion: 63 Resp: 90453

Ion Ratio Lower Upper

63

100

98

6.3

3.4

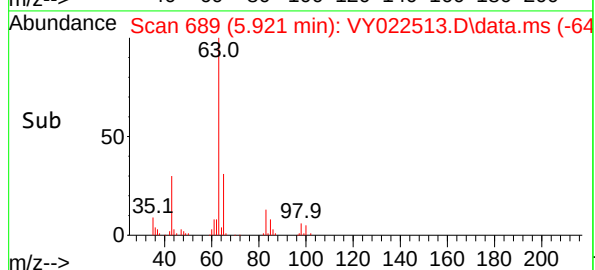
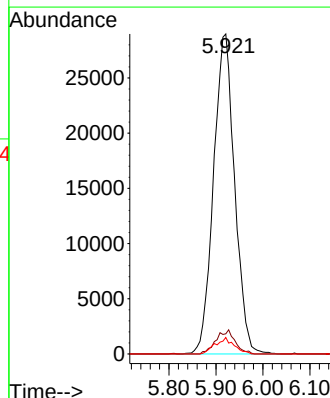
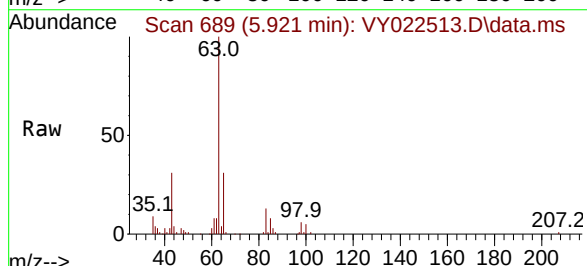
10.1

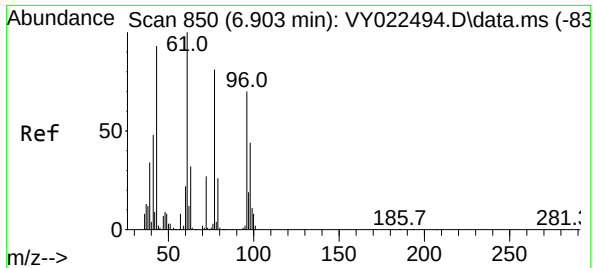
100

5.2

2.1

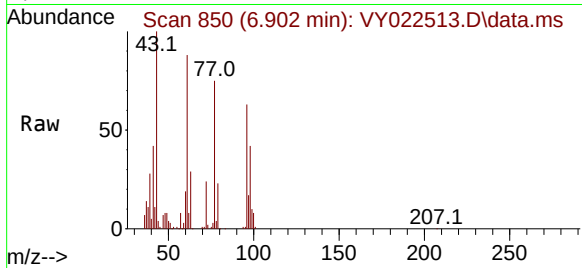
6.3





#25
2-Butanone
Concen: 117.421 ug/l
RT: 6.902 min Scan# 81
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

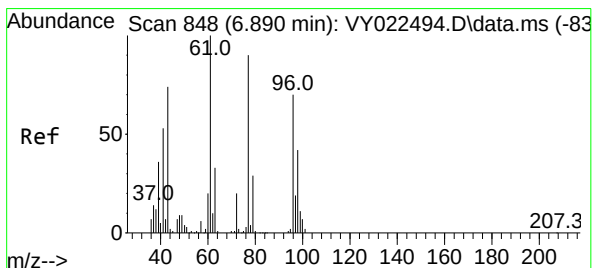
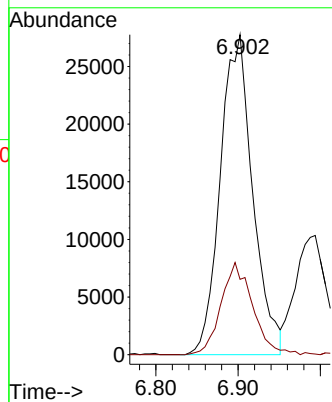
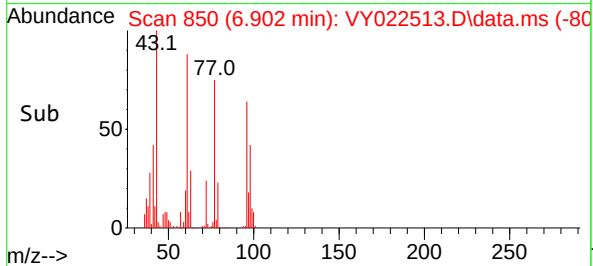
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



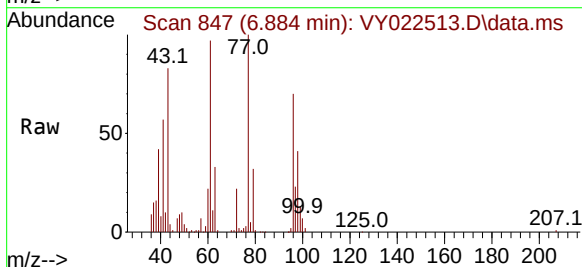
Tgt Ion: 43 Resp: 76024
Ion Ratio Lower Upper
43 100
72 23.6 22.9 34.3

Manual Integrations
APPROVED

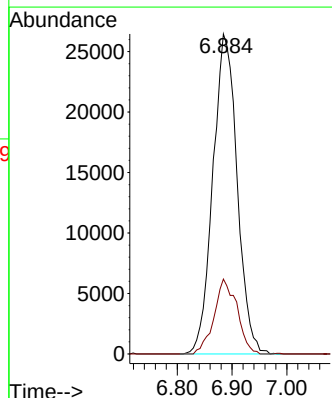
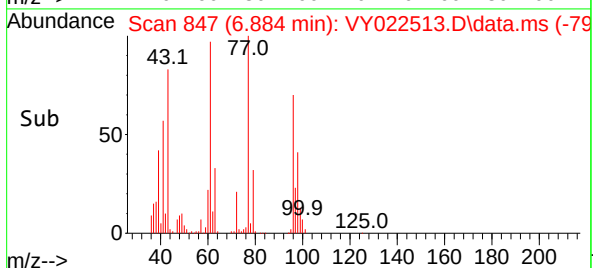
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

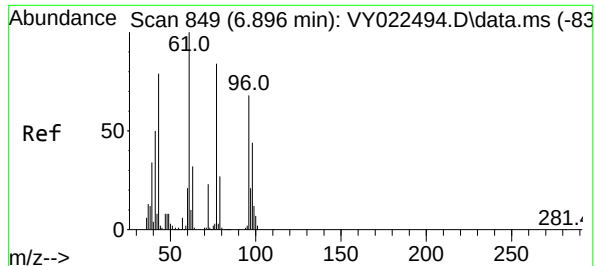


#26
2,2-Dichloropropane
Concen: 21.575 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15



Tgt Ion: 77 Resp: 81323
Ion Ratio Lower Upper
77 100
97 22.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.538 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

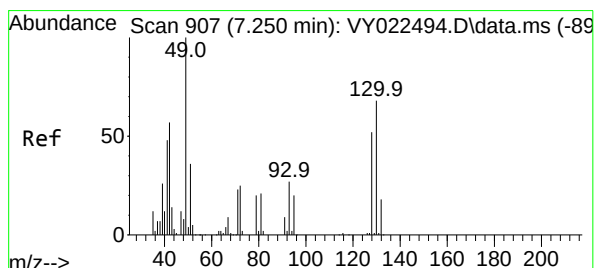
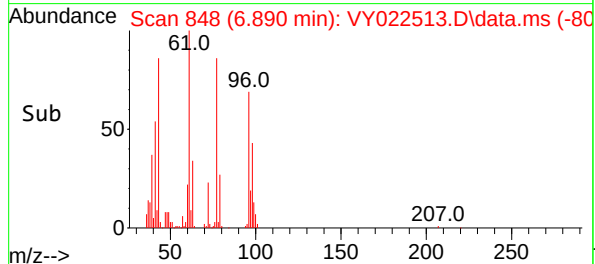
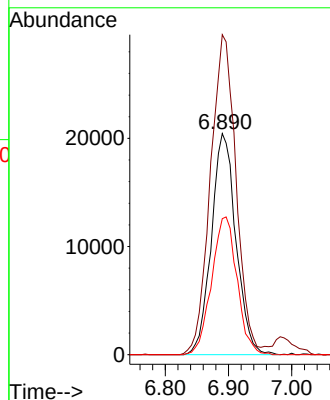
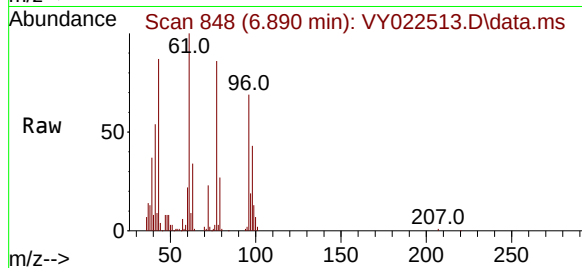
VY0603SBS01

Tgt Ion: 96	Resp: 5505
Ion Ratio	Lower Upper
96 100	
61 150.9	0.0 290.0
98 64.5	0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#28

Bromochloromethane

Concen: 21.273 ug/l

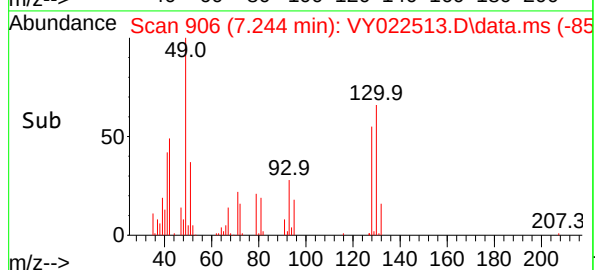
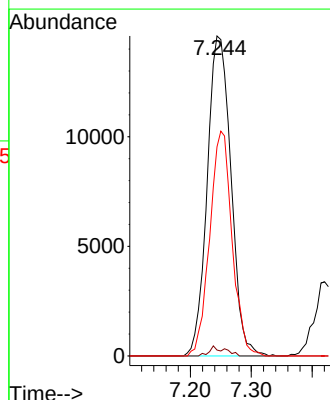
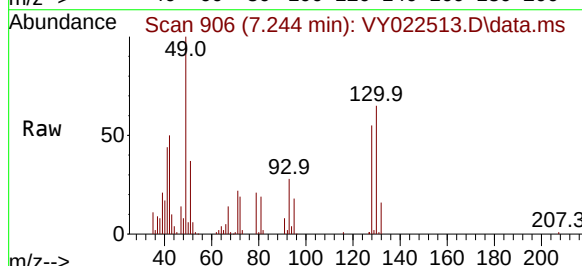
RT: 7.244 min Scan# 906

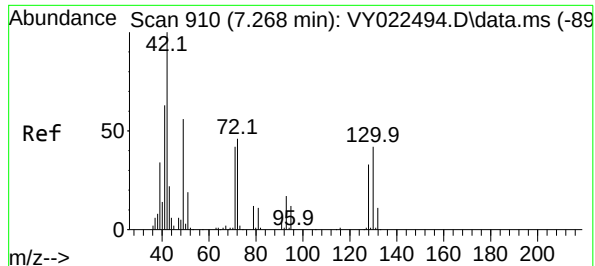
Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Tgt Ion: 49	Resp: 39559
Ion Ratio	Lower Upper
49 100	
129 1.2	0.0 3.6
130 66.0	55.7 83.5





#29

Tetrahydrofuran

Concen: 96.924 ug/l

RT: 7.262 min Scan# 910

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 42 Resp: 40474

Ion Ratio Lower Upper

42 100

72 46.8 37.4 56.2

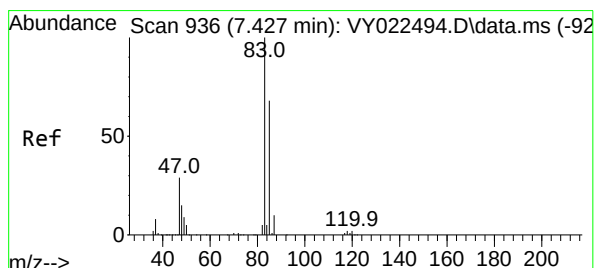
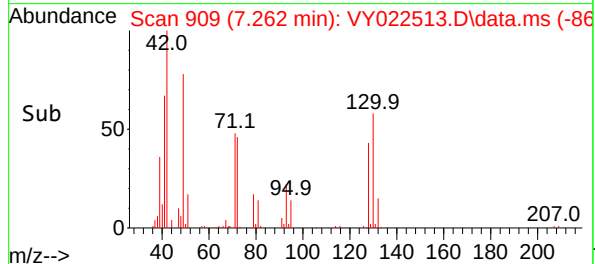
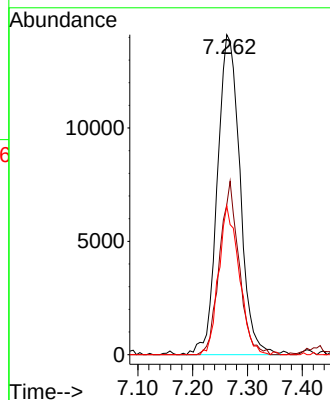
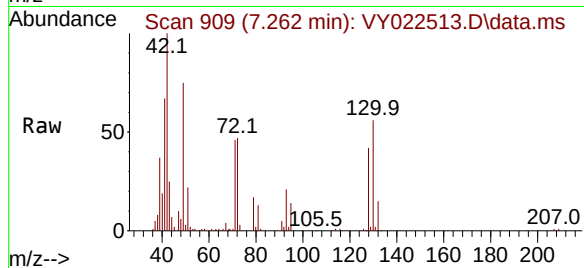
71 42.2 34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#30

Chloroform

Concen: 21.055 ug/l

RT: 7.427 min Scan# 936

Delta R.T. -0.000 min

Lab File: VY022513.D

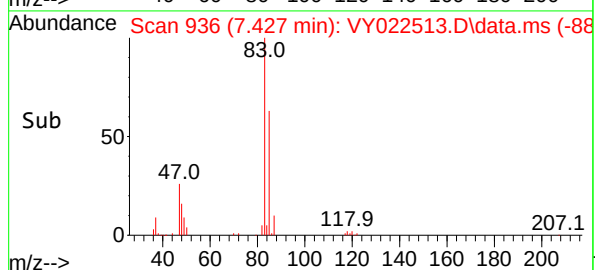
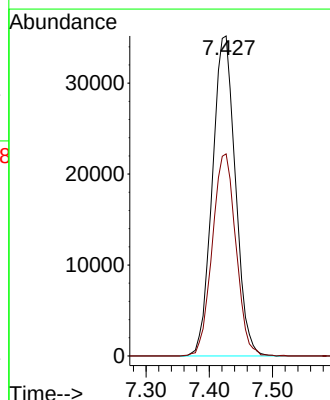
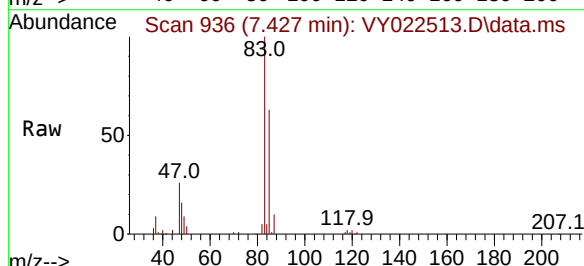
Acq: 03 Jun 2025 11:15

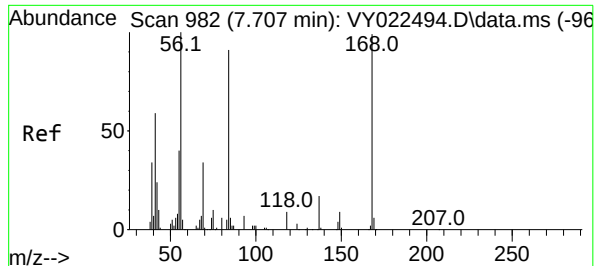
Tgt Ion: 83 Resp: 88966

Ion Ratio Lower Upper

83 100

85 63.1 54.2 81.4





#31

Cyclohexane

Concen: 20.219 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 56 Resp: 8587

Ion Ratio Lower Upper

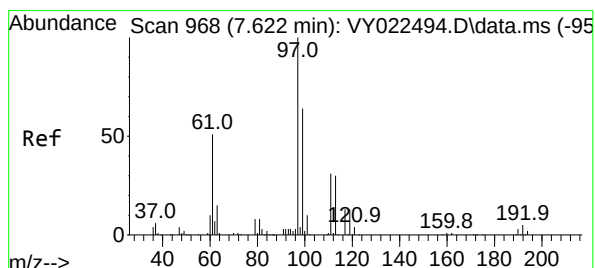
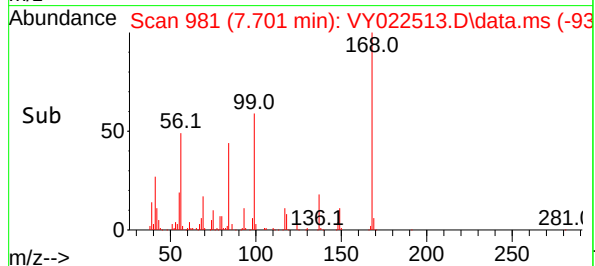
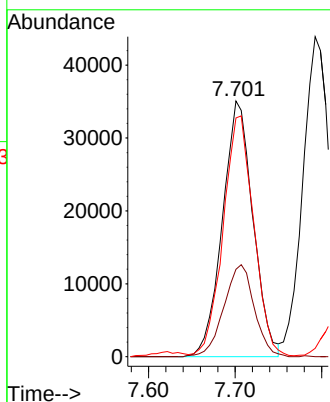
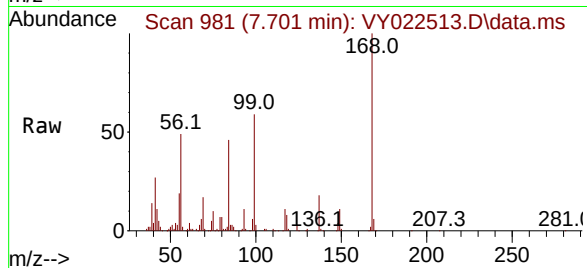
56 100

69 34.2 27.0 40.6

84 91.7 72.6 109.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#32

1,1,1-Trichloroethane

Concen: 21.222 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

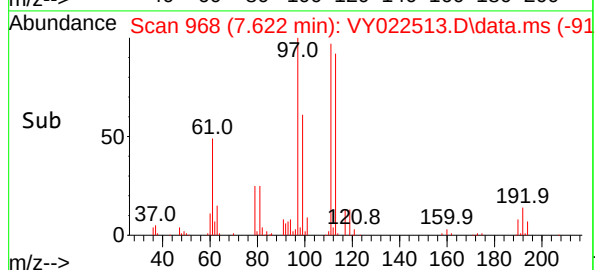
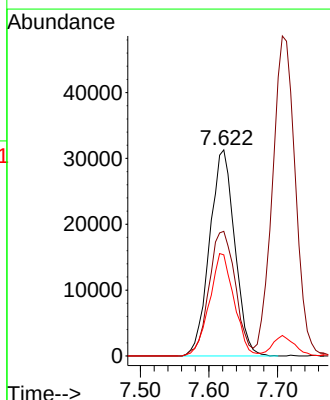
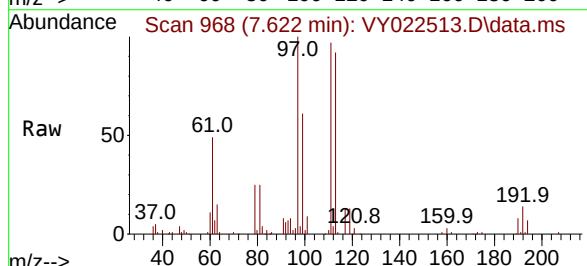
Tgt Ion: 97 Resp: 79604

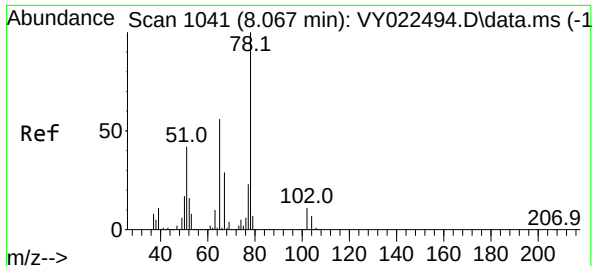
Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

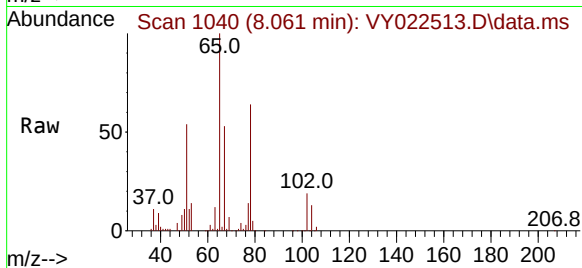
61 48.9 38.5 57.7





#33
1,2-Dichloroethane-d4
Concen: 49.971 ug/l
RT: 8.061 min Scan# 11044
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

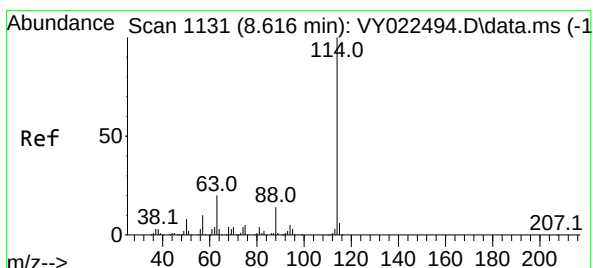
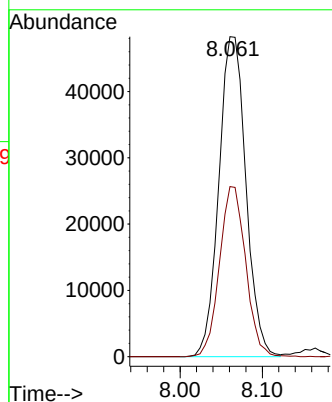
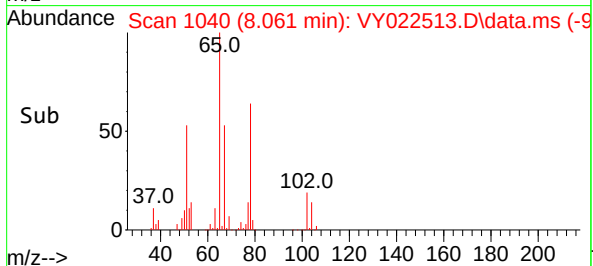
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion: 65 Resp: 11044
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4

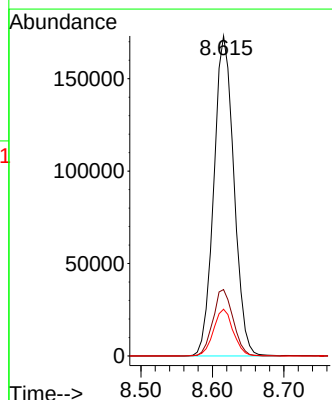
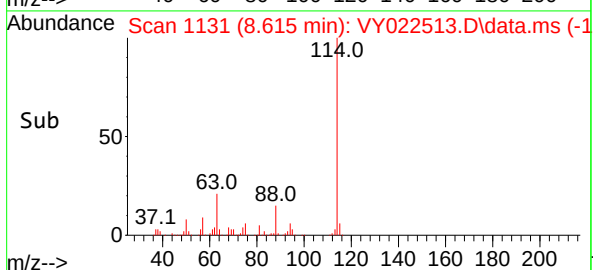
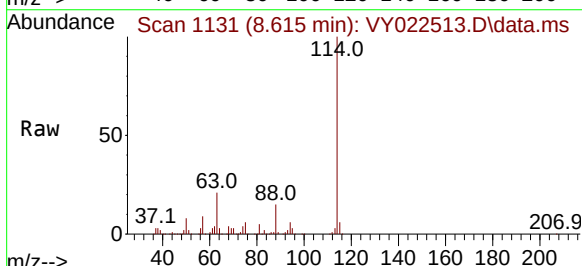
Manual Integrations
APPROVED

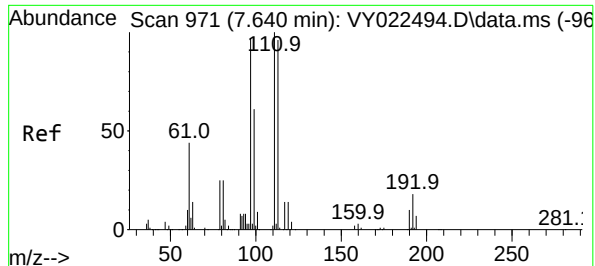
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Tgt Ion:114 Resp: 337632
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 14.6 0.0 27.8





#35

Dibromofluoromethane

Concen: 51.020 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion:113 Resp: 102818

Ion Ratio Lower Upper

113 100

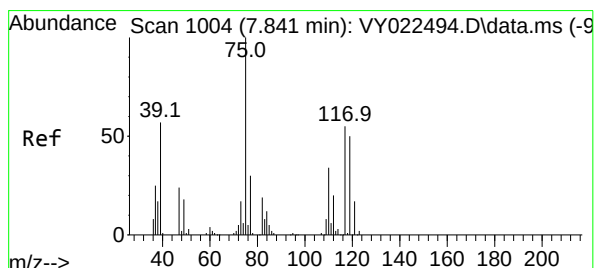
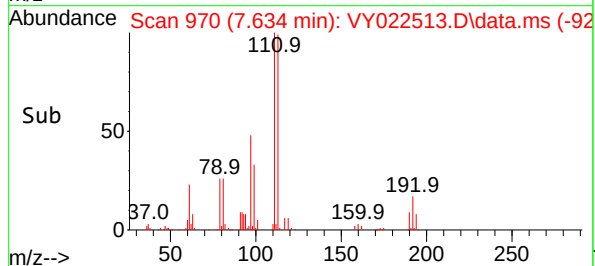
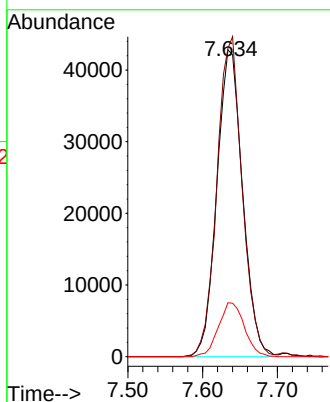
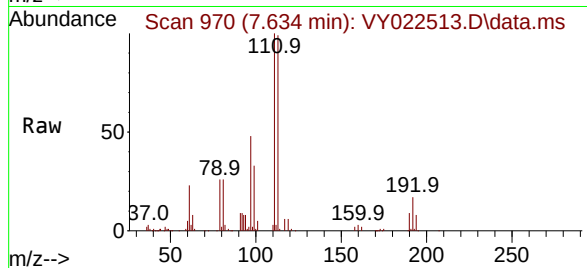
111 101.8 81.1 121.7

192 17.7 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#36

1,1-Dichloropropene

Concen: 20.451 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

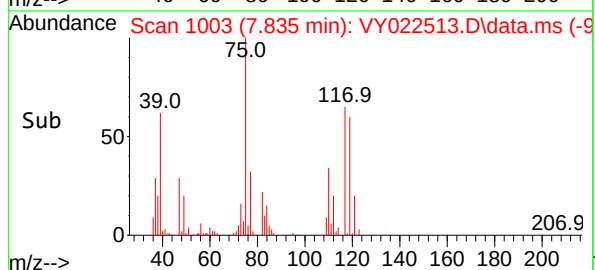
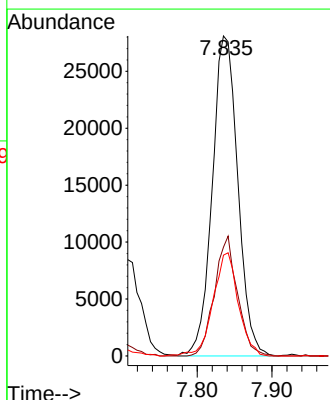
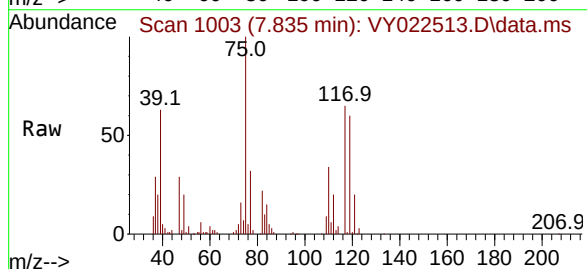
Tgt Ion: 75 Resp: 66890

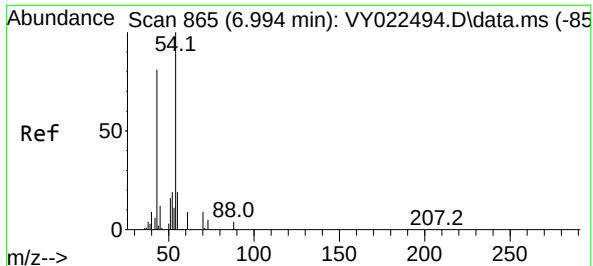
Ion Ratio Lower Upper

75 100

110 33.6 16.9 50.7

77 31.7 24.8 37.2





#37

Ethyl Acetate

Concen: 19.388 ug/l

RT: 6.994 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 43 Resp: 28280

Ion Ratio Lower Upper

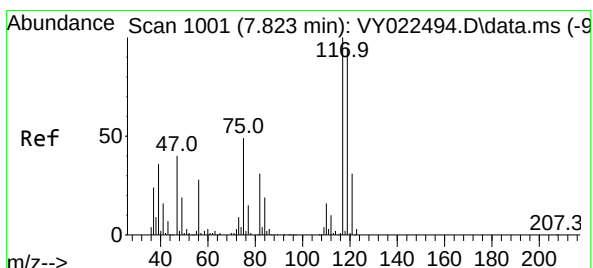
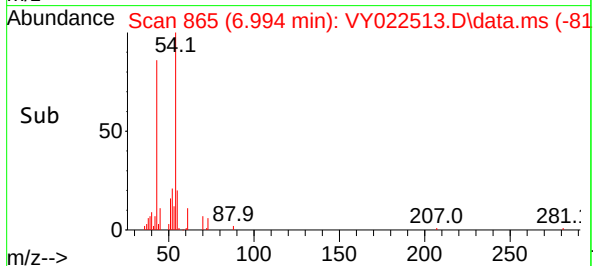
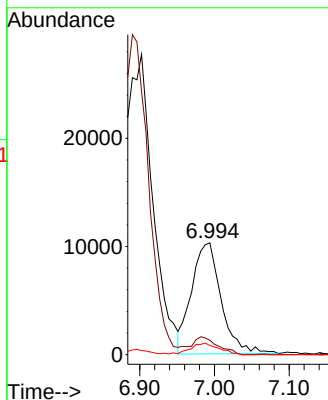
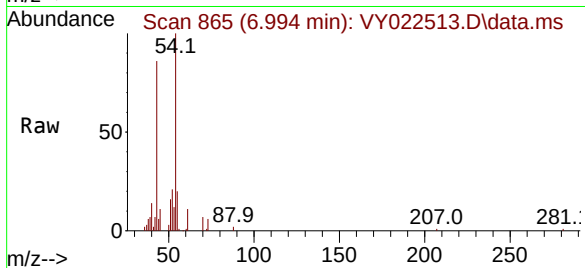
43 100

61 13.0 11.5 17.3

70 10.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#38

Carbon Tetrachloride

Concen: 20.206 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

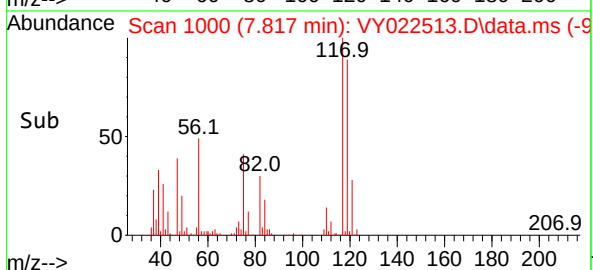
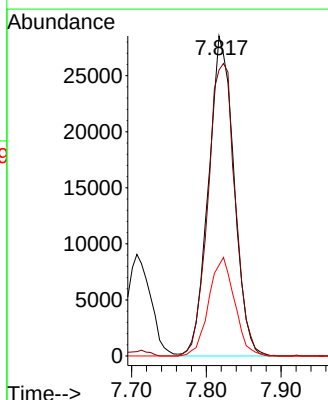
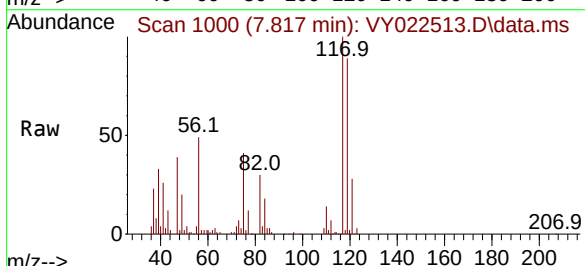
Tgt Ion:117 Resp: 67799

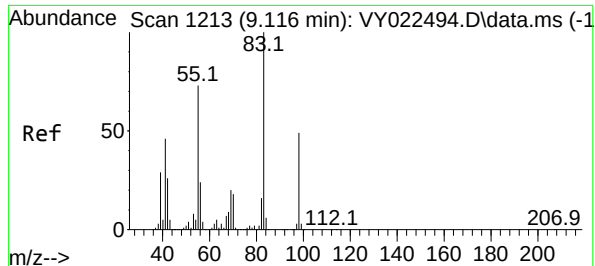
Ion Ratio Lower Upper

117 100

119 89.3 75.0 112.6

121 28.3 25.0 37.4





#39

Methylcyclohexane

Concen: 19.805 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 83 Resp: 8705

Ion Ratio Lower Upper

83 100

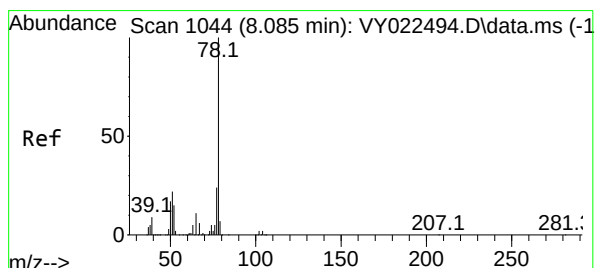
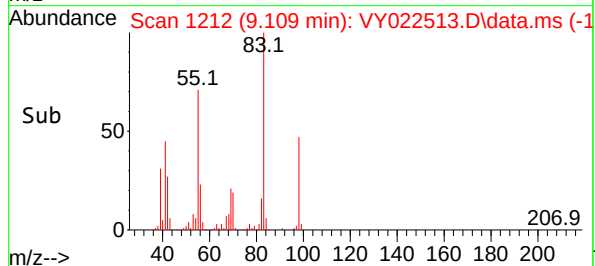
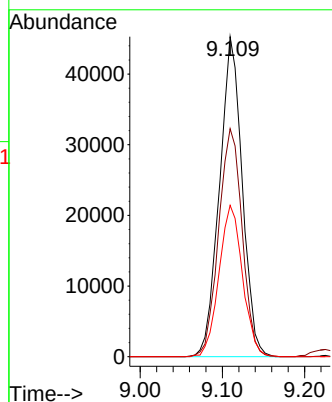
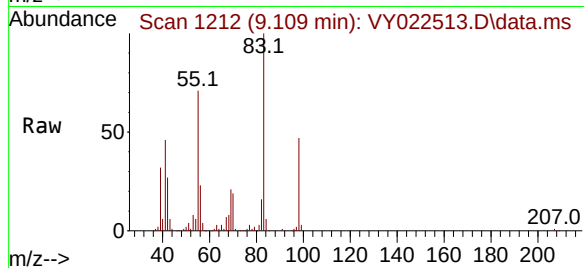
55 71.3 58.1 87.1

98 47.3 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#40

Benzene

Concen: 20.720 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY022513.D

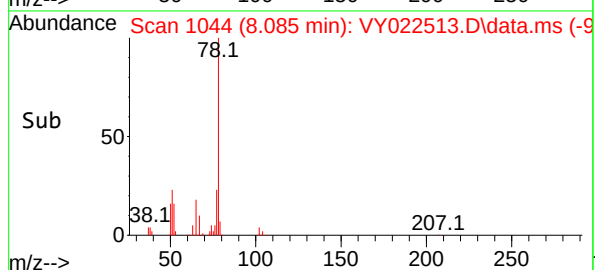
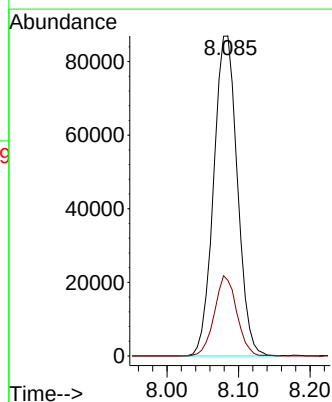
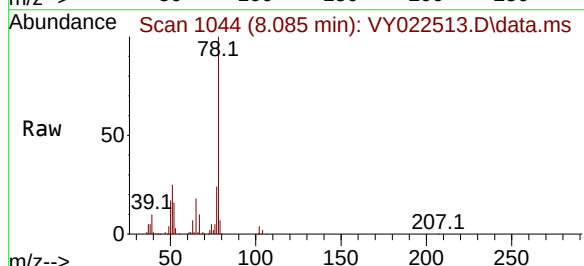
Acq: 03 Jun 2025 11:15

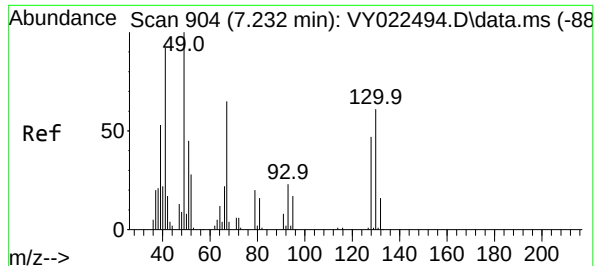
Tgt Ion: 78 Resp: 200164

Ion Ratio Lower Upper

78 100

77 23.7 19.3 28.9





#41

Methacrylonitrile

Concen: 18.701 ug/l

RT: 7.219 min Scan# 904

Delta R.T. -0.012 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 41 Resp: 1593

Ion Ratio Lower Upper

41 100

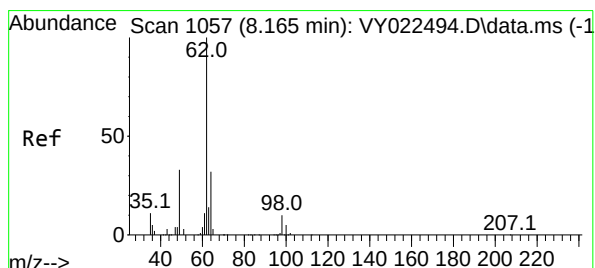
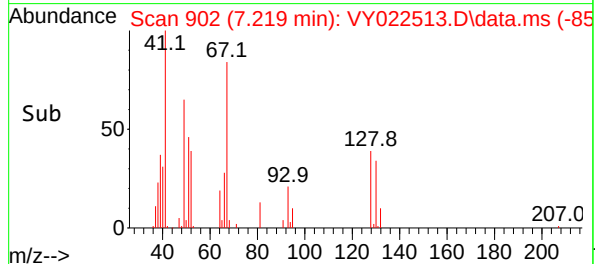
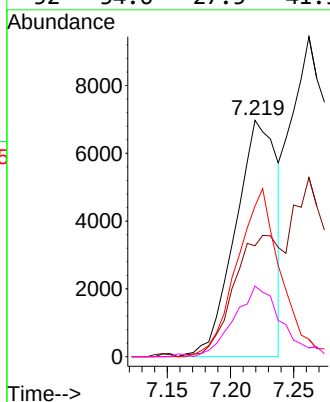
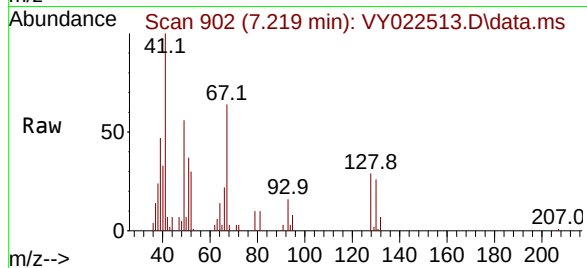
39 61.7 46.6 69.8

67 74.4 63.3 94.9

52 34.6 27.5 41.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#42

1,2-Dichloroethane

Concen: 20.443 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VY022513.D

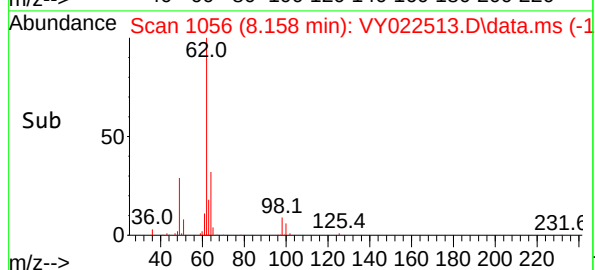
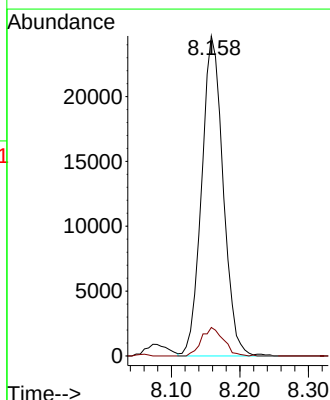
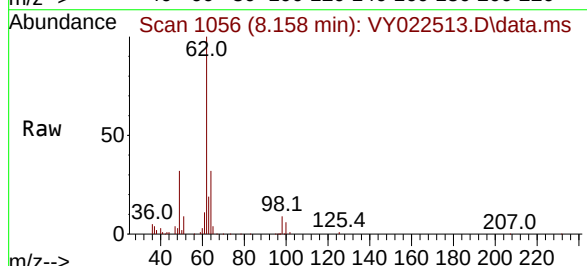
Acq: 03 Jun 2025 11:15

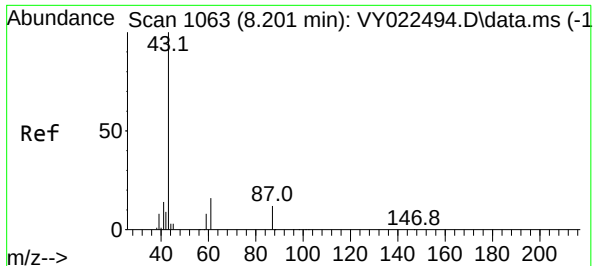
Tgt Ion: 62 Resp: 53923

Ion Ratio Lower Upper

62 100

98 9.1 0.0 19.2





#43

Isopropyl Acetate

Concen: 19.359 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

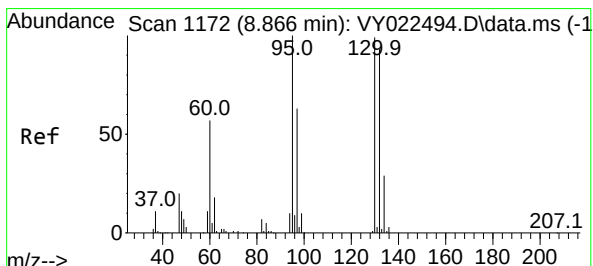
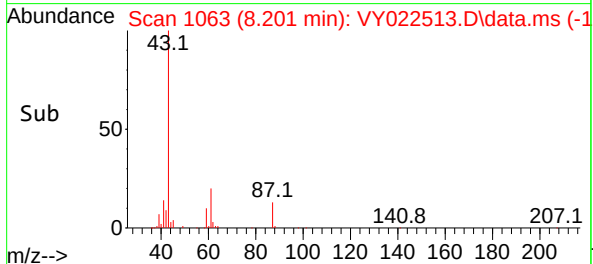
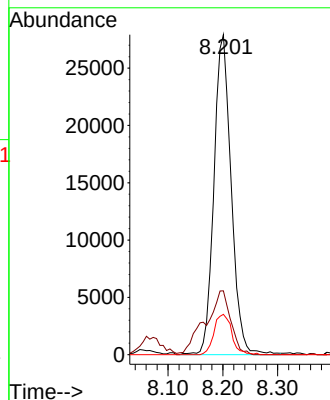
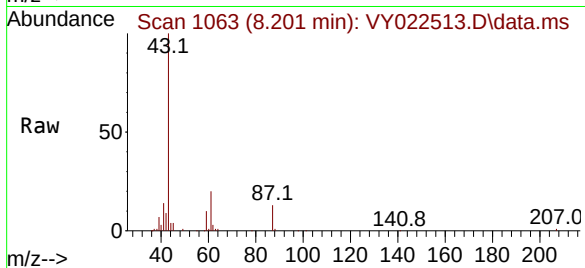
VY0603SBS01

Tgt Ion: 43	Resp: 6098
Ion Ratio	Lower Upper
43	100
61	29.4 15.6 23.4
87	13.0 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#44

Trichloroethene

Concen: 21.344 ug/l

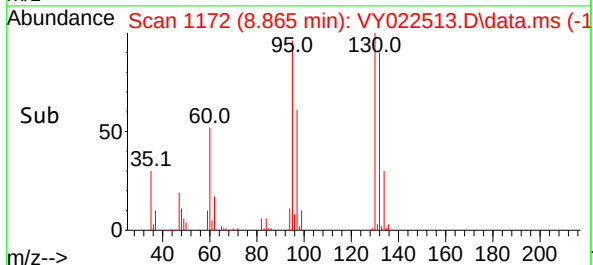
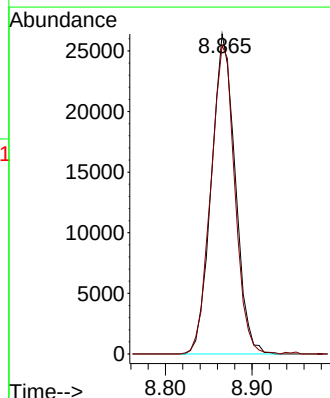
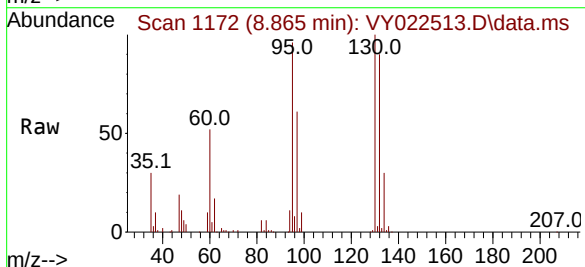
RT: 8.865 min Scan# 1172

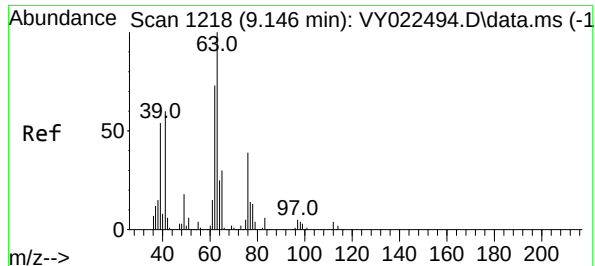
Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Tgt Ion:130	Resp: 50394
Ion Ratio	Lower Upper
130	100
95	96.4 0.0 203.0





#45

1,2-Dichloropropane

Concen: 20.860 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 63 Resp: 47620

Ion Ratio Lower Upper

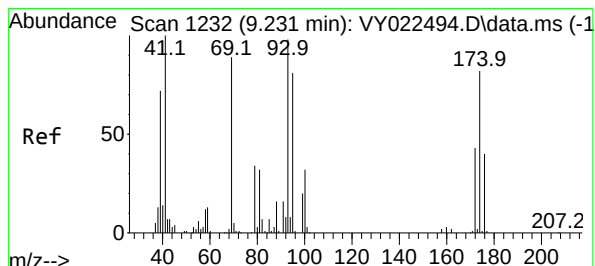
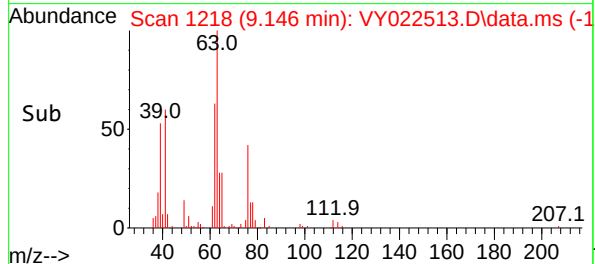
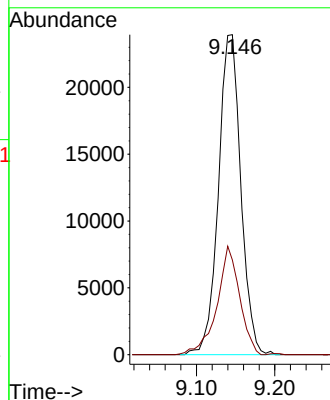
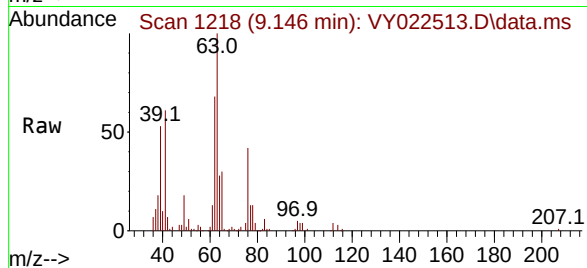
63 100

65 29.4 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#46

Dibromomethane

Concen: 19.368 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

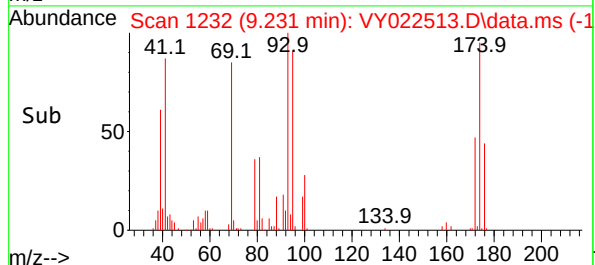
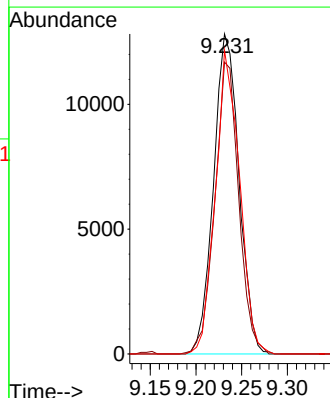
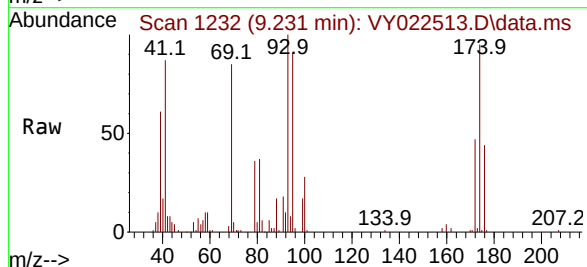
Tgt Ion: 93 Resp: 24877

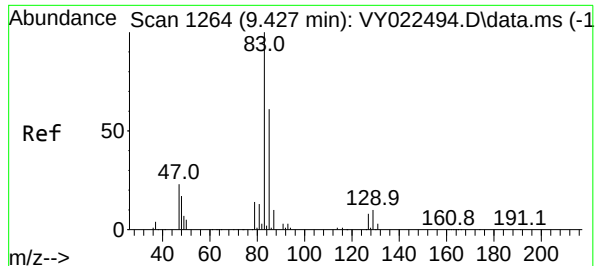
Ion Ratio Lower Upper

93 100

95 85.7 65.6 98.4

174 90.3 70.4 105.6





#47

Bromodichloromethane

Concen: 20.778 ug/l

RT: 9.426 min Scan# 1264

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

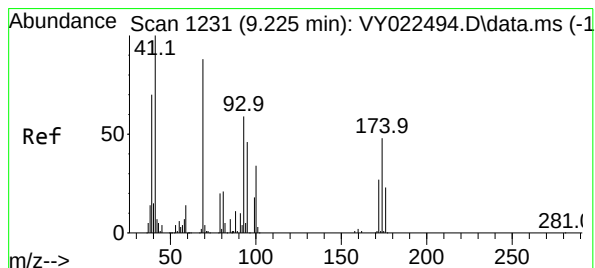
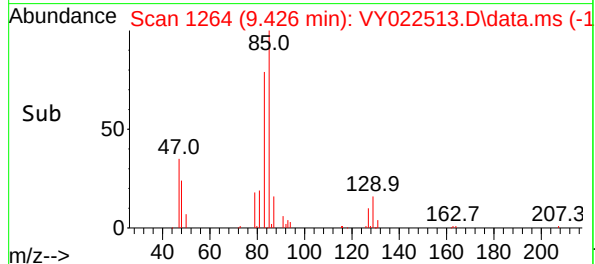
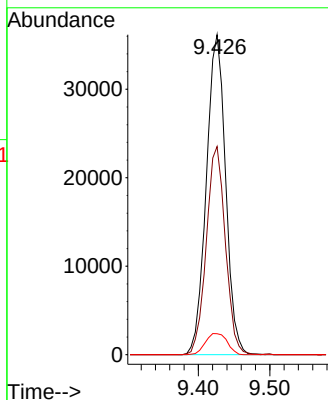
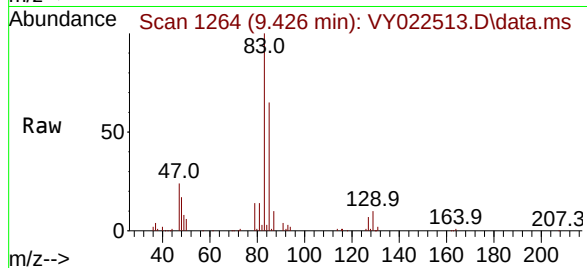
VY0603SBS01

Tgt Ion:	83	Resp:	6767
Ion Ratio	Lower	Upper	
83	100		
85	65.1	49.1	73.7
127	6.6	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#48

Methyl methacrylate

Concen: 18.707 ug/l

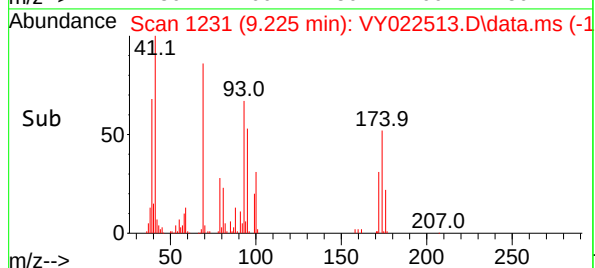
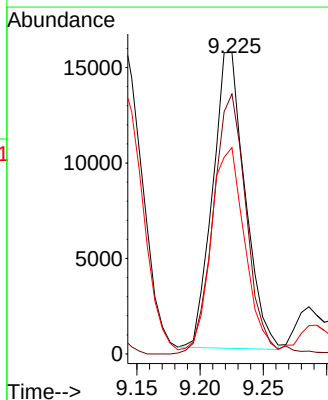
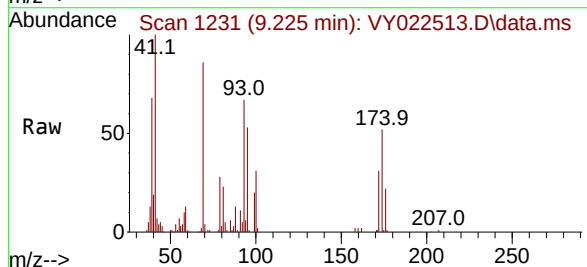
RT: 9.225 min Scan# 1231

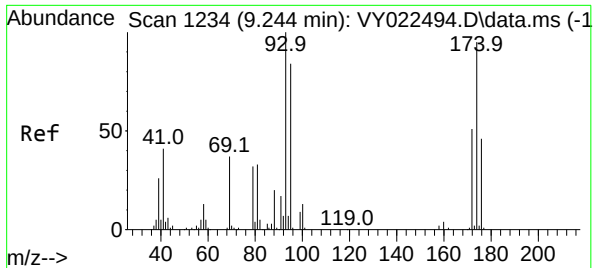
Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Tgt Ion:	41	Resp:	27658
Ion Ratio	Lower	Upper	
41	100		
69	90.0	67.8	101.8
39	70.2	55.0	82.4





#49

1,4-Dioxane

Concen: 378.003 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 88 Resp: 5752

Ion Ratio Lower Upper

88 100

43 21.3 25.4 38.2

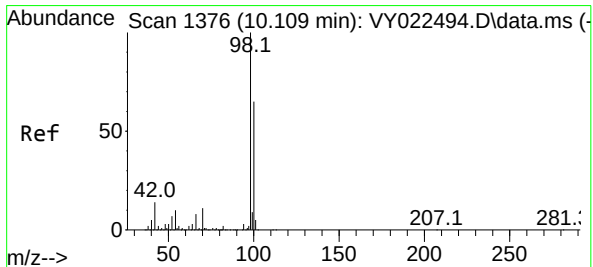
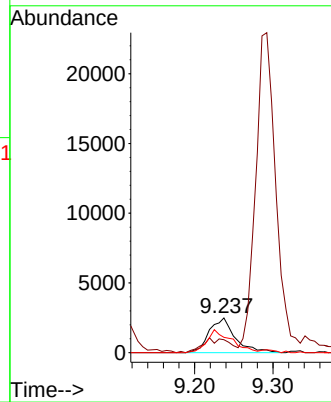
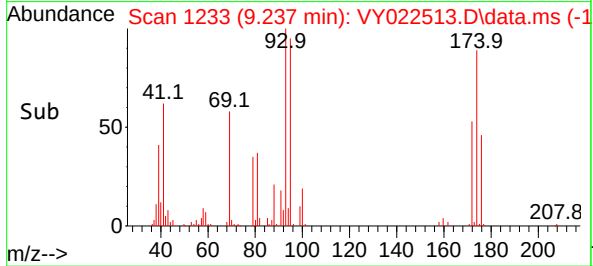
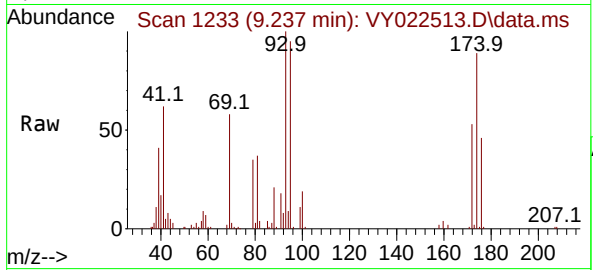
58 62.2 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#50

Toluene-d8

Concen: 51.452 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022513.D

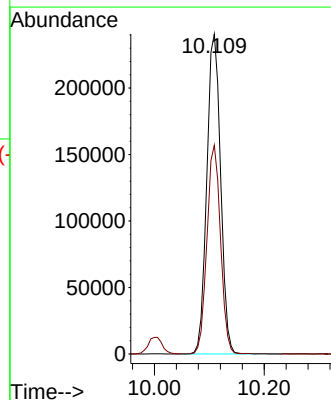
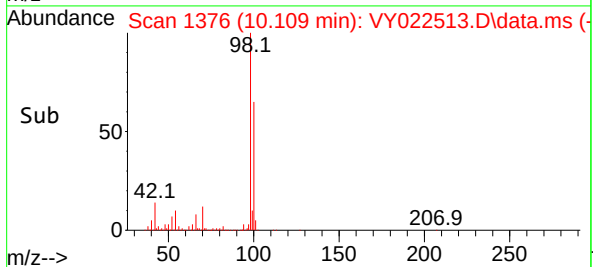
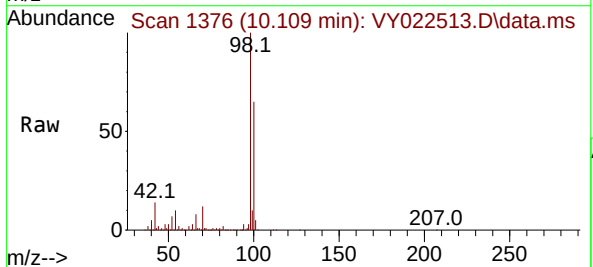
Acq: 03 Jun 2025 11:15

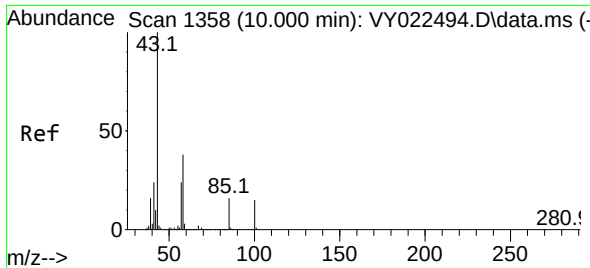
Tgt Ion: 98 Resp: 418973

Ion Ratio Lower Upper

98 100

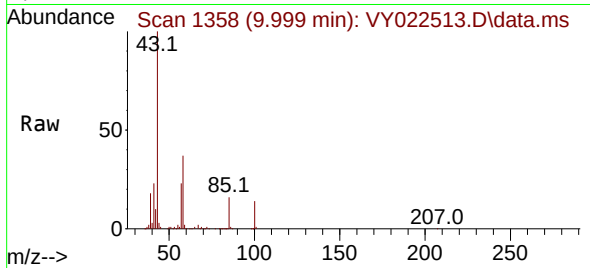
100 64.2 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 95.984 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

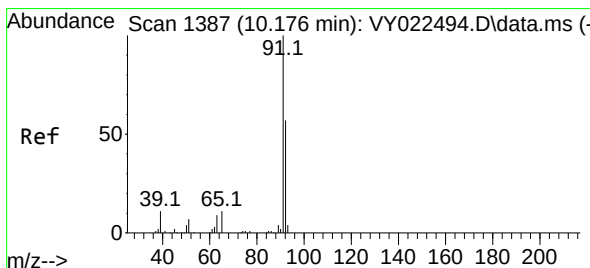
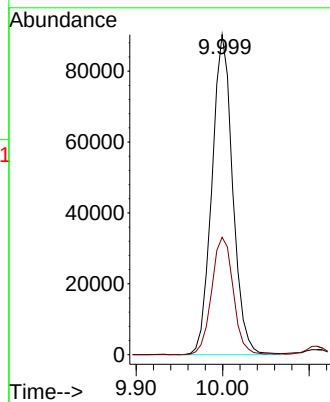
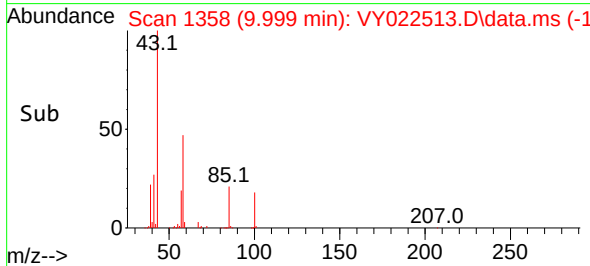
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion: 43 Resp: 15075
Ion Ratio Lower Upper
43 100
58 38.2 30.4 45.6

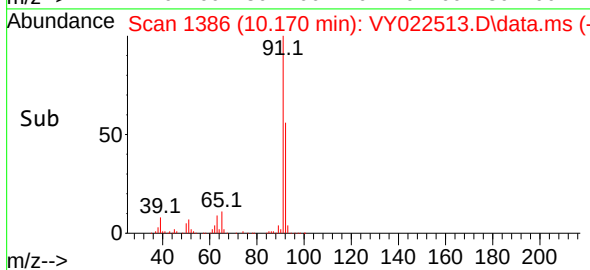
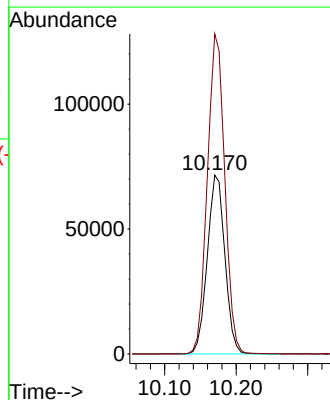
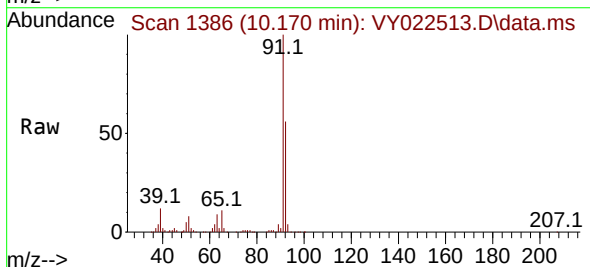
Manual Integrations
APPROVED

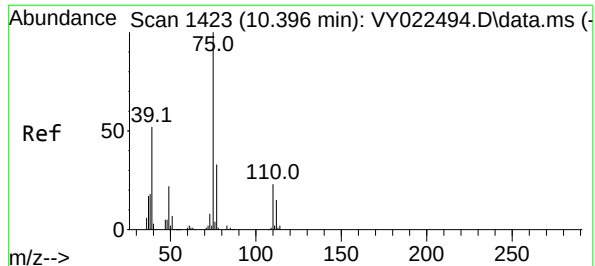
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#52
Toluene
Concen: 20.145 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

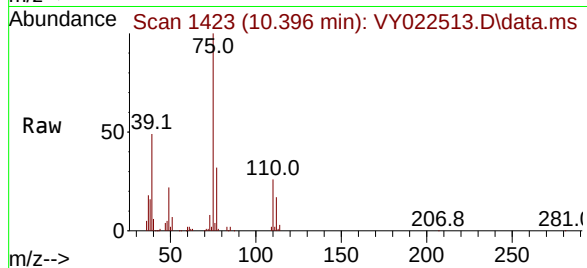
Tgt Ion: 92 Resp: 122301
Ion Ratio Lower Upper
92 100
91 177.1 139.0 208.4





#53
t-1,3-Dichloropropene
Concen: 19.703 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

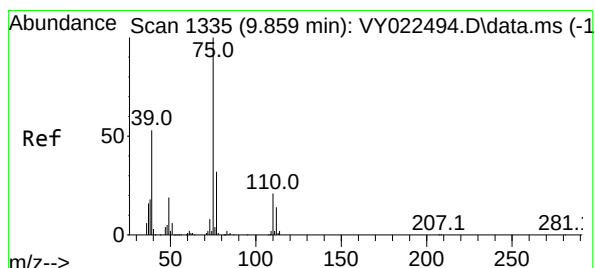
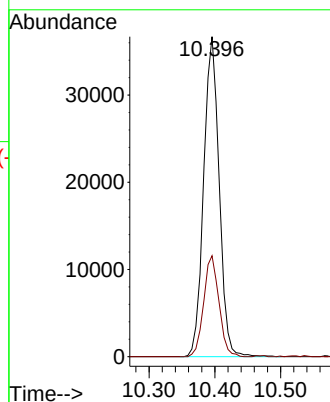
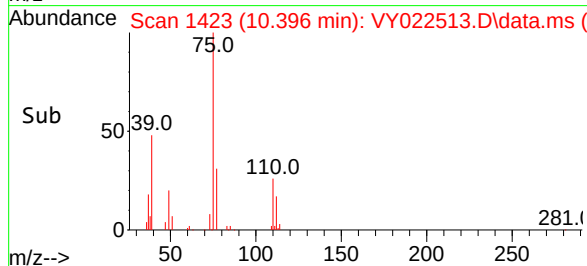
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion: 75 Resp: 60125
Ion Ratio Lower Upper
75 100
77 31.6 26.5 39.7

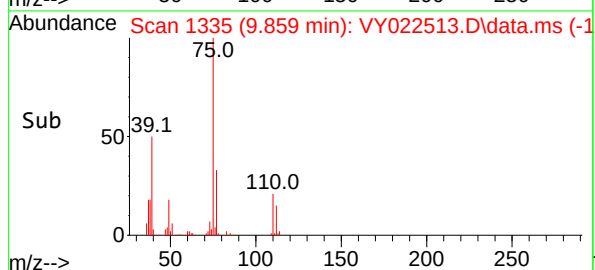
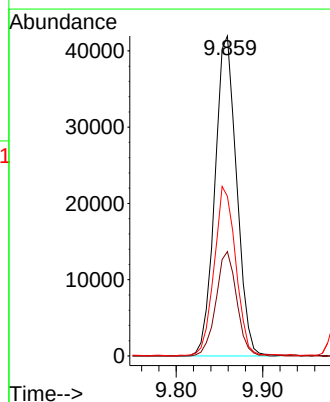
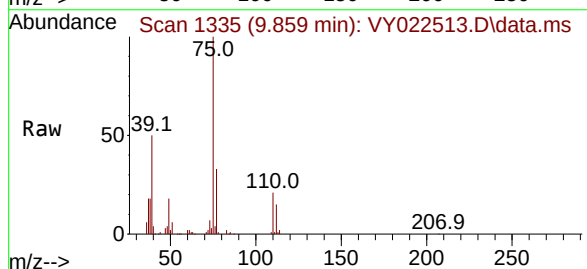
Manual Integrations
APPROVED

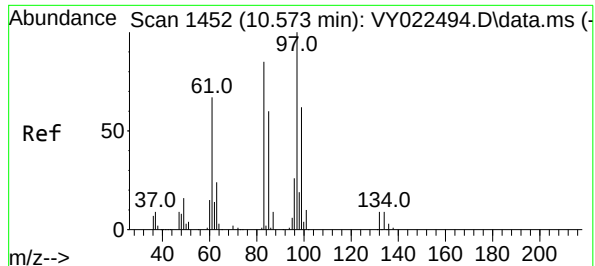
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#54
cis-1,3-Dichloropropene
Concen: 20.581 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

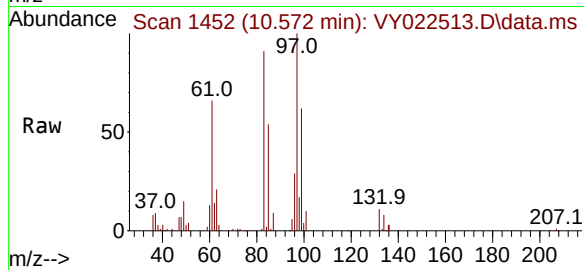
Tgt Ion: 75 Resp: 73109
Ion Ratio Lower Upper
75 100
77 32.6 25.3 37.9
39 49.7 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 20.154 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

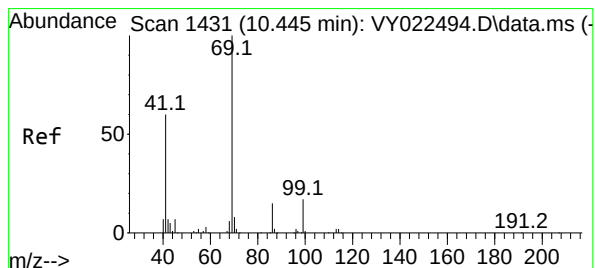
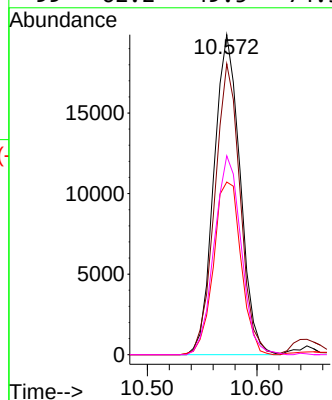
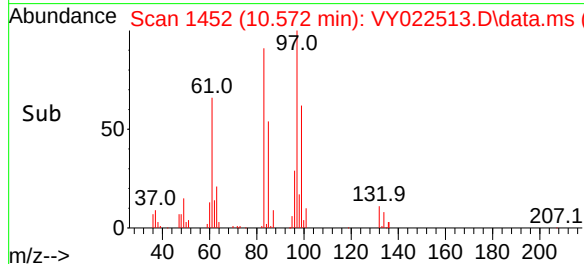
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



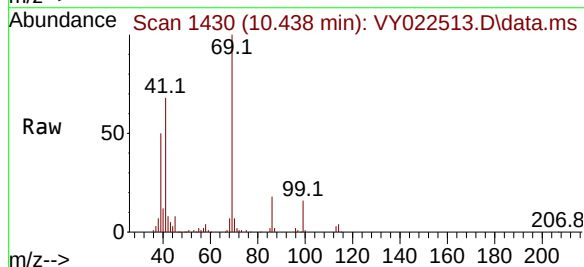
Tgt Ion: 97 Resp: 33009
Ion Ratio Lower Upper
97 100
83 90.9 68.1 102.1
85 53.9 48.2 72.2
99 62.2 49.5 74.3

Manual Integrations
APPROVED

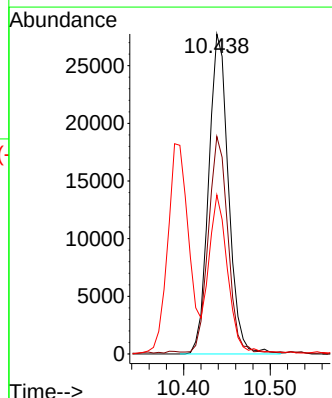
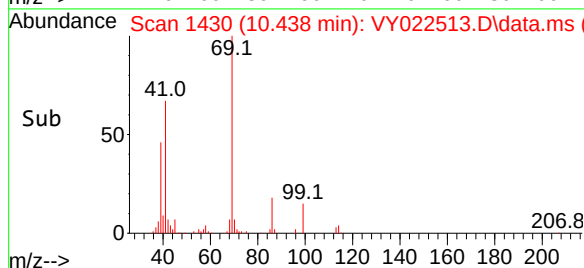
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

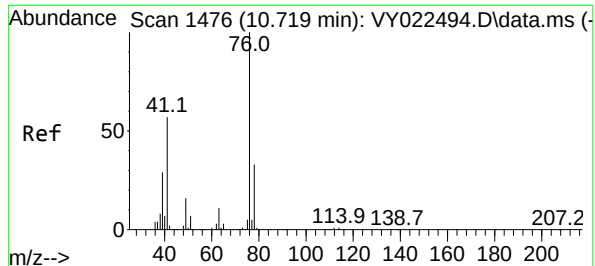


#56
Ethyl methacrylate
Concen: 18.609 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15



Tgt Ion: 69 Resp: 44052
Ion Ratio Lower Upper
69 100
41 66.0 52.2 78.2
39 46.7 36.7 55.1





#57

1,3-Dichloropropane

Concen: 19.947 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 76 Resp: 5790

Ion Ratio Lower Upper

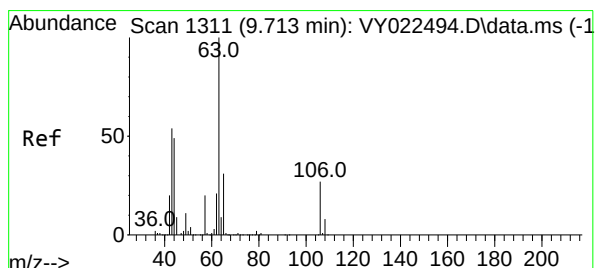
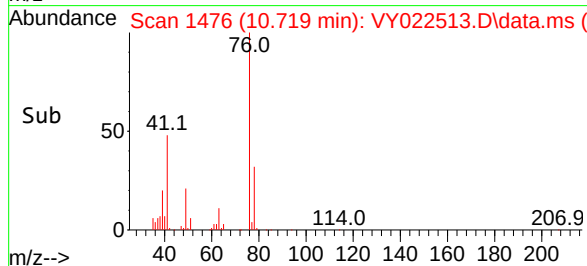
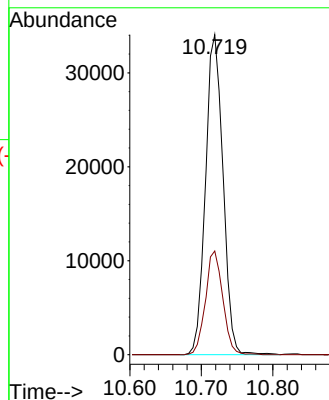
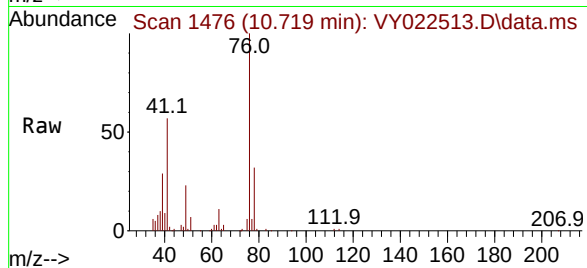
76 100

78 32.1 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#58

2-Chloroethyl Vinyl ether

Concen: 97.502 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY022513.D

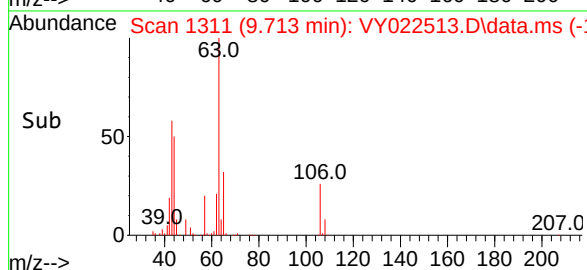
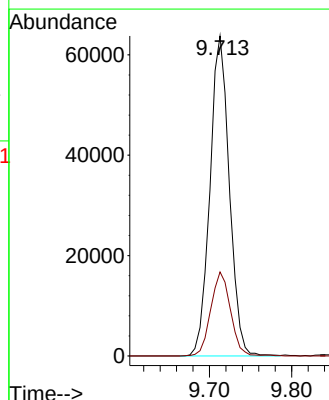
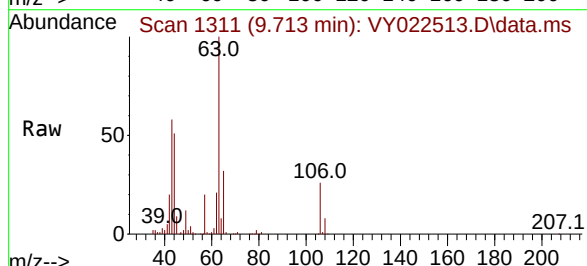
Acq: 03 Jun 2025 11:15

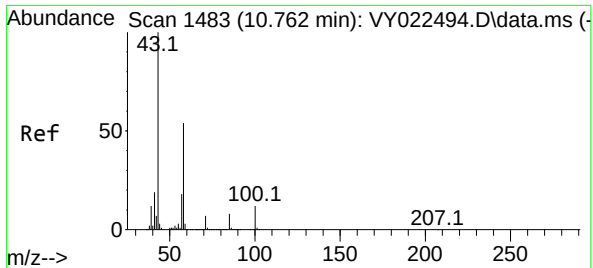
Tgt Ion: 63 Resp: 104791

Ion Ratio Lower Upper

63 100

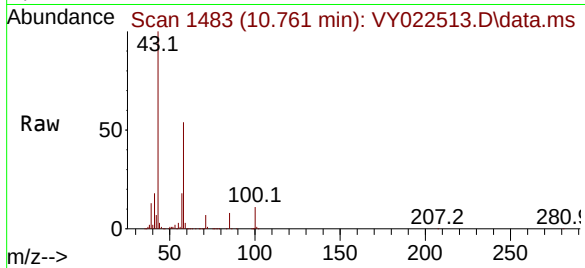
106 26.7 21.6 32.4





#59
2-Hexanone
Concen: 107.655 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

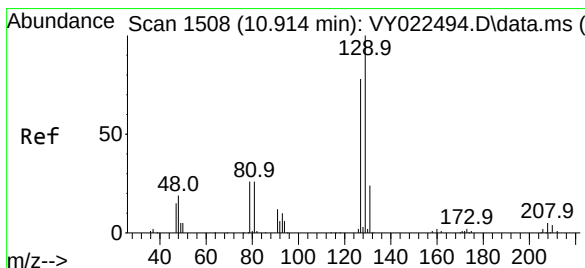
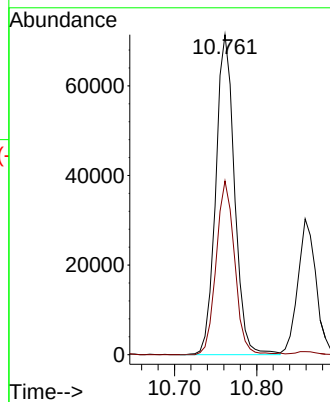
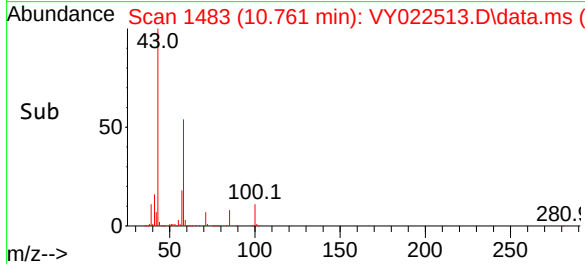
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion: 43 Resp: 113080
Ion Ratio Lower Upper
43 100
58 53.6 27.3 81.8

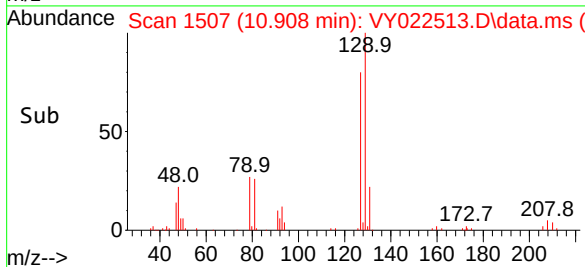
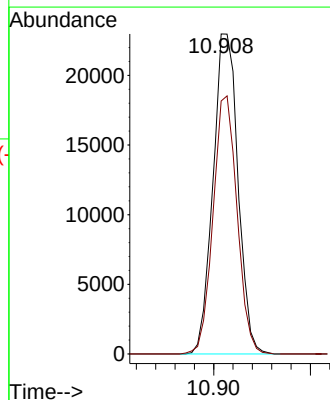
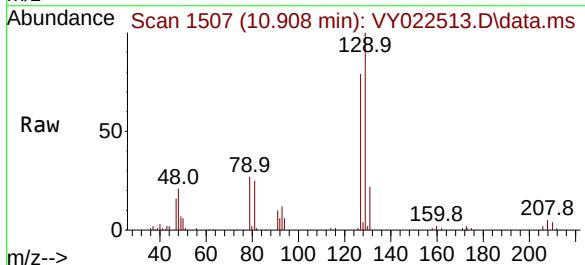
Manual Integrations
APPROVED

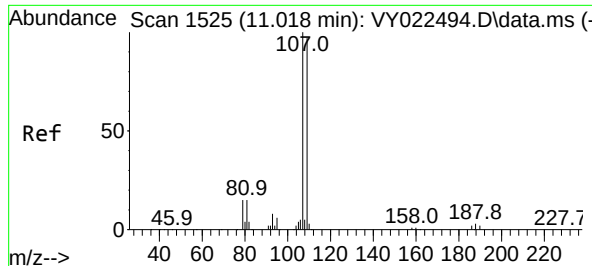
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#60
Dibromochloromethane
Concen: 19.776 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

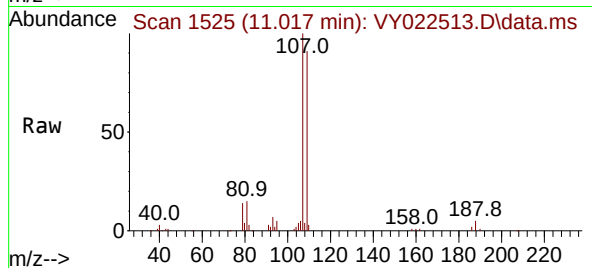
Tgt Ion:129 Resp: 41162
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.2





#61
1,2-Dibromoethane
Concen: 20.134 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

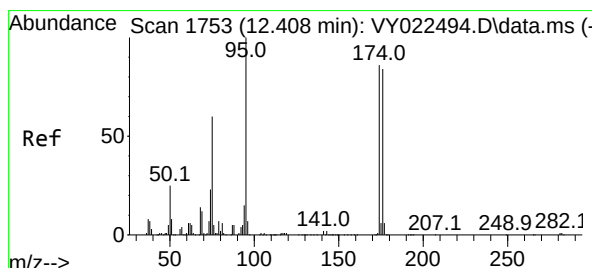
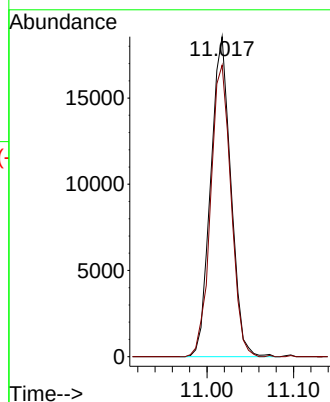
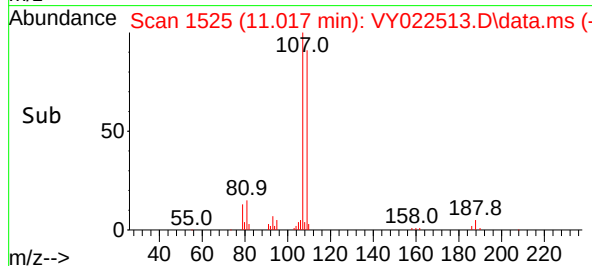
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion:107 Resp: 30050
Ion Ratio Lower Upper
107 100
109 91.8 77.7 116.5

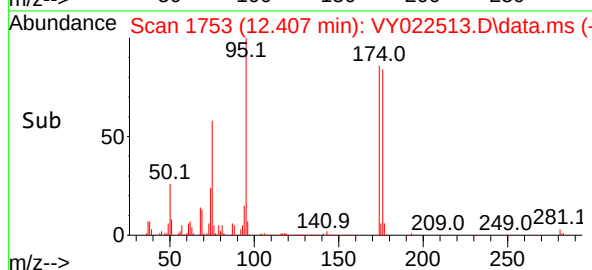
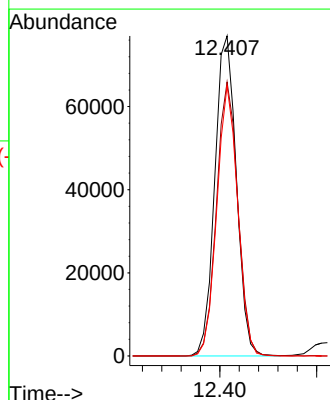
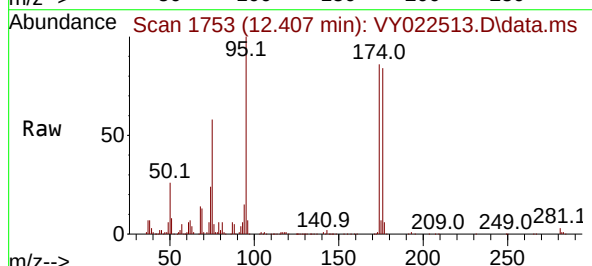
Manual Integrations
APPROVED

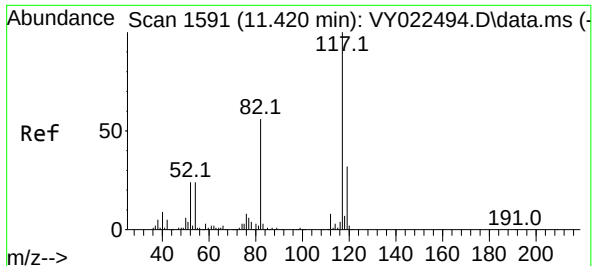
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#62
4-Bromofluorobenzene
Concen: 49.014 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Tgt Ion: 95 Resp: 118916
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.0
176 81.7 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: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion:117 Resp: 28426

Ion Ratio Lower Upper

117 100

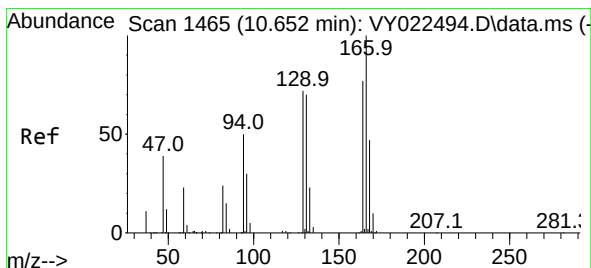
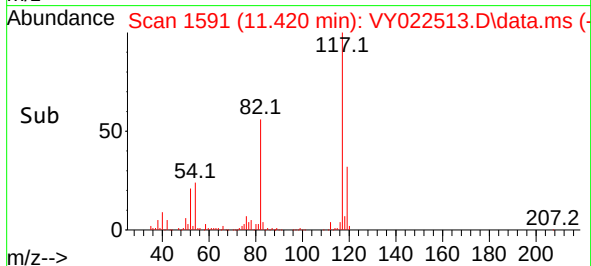
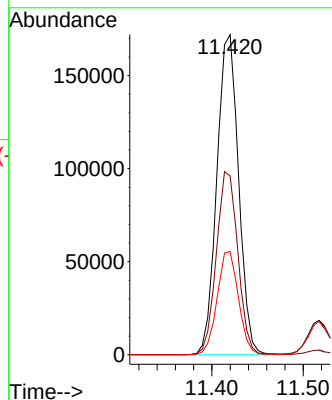
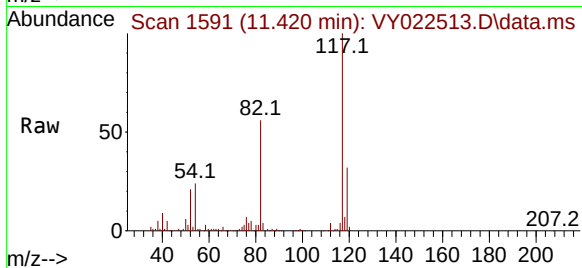
82 55.8 44.6 66.8

119 32.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#64

Tetrachloroethene

Concen: 21.203 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Tgt Ion:164 Resp: 51847

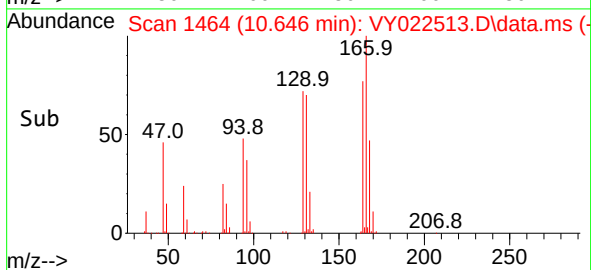
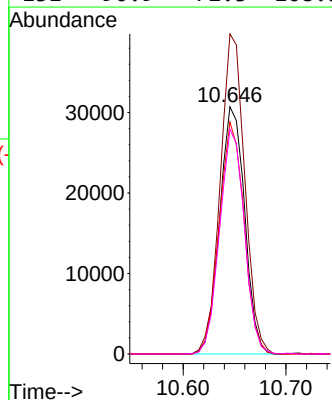
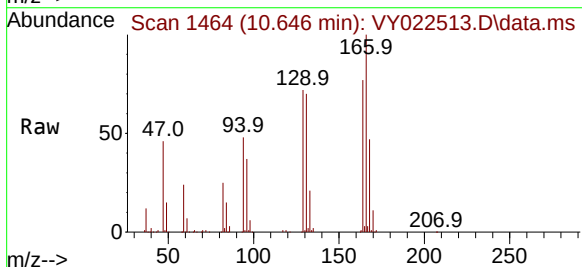
Ion Ratio Lower Upper

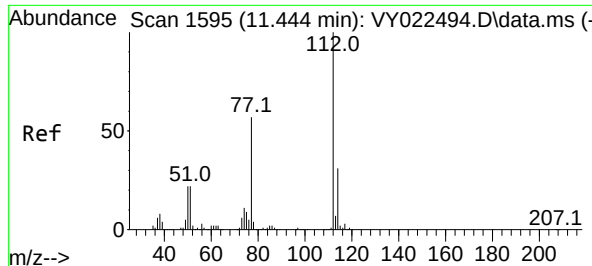
164 100

166 129.5 104.0 156.0

129 93.8 74.5 111.7

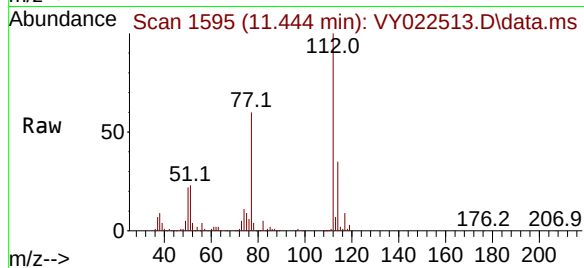
131 90.9 72.3 108.5





#65
Chlorobenzene
Concen: 20.283 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

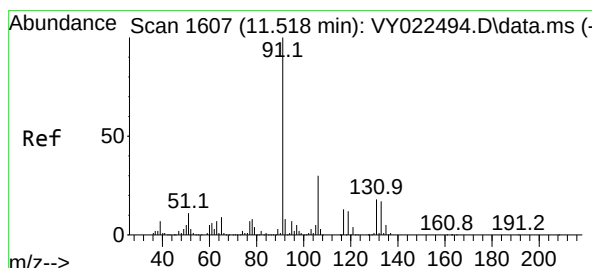
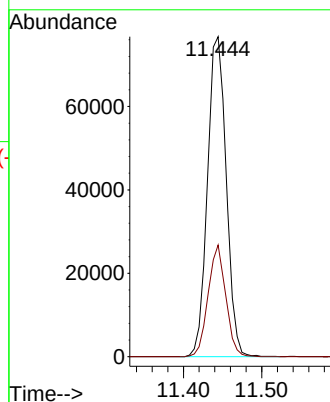
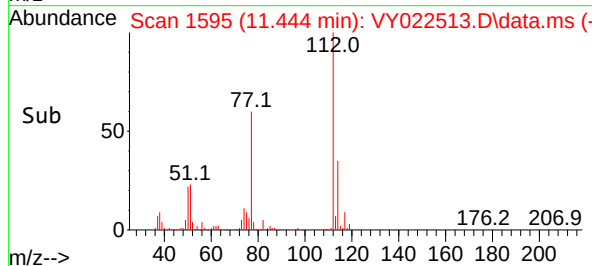
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



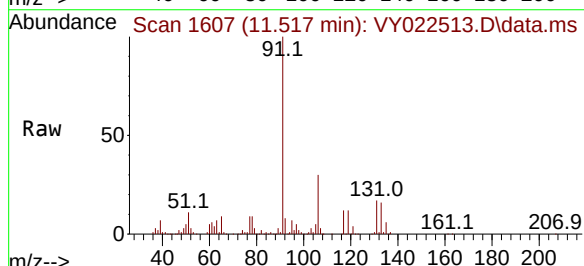
Tgt Ion:112 Resp: 127590
Ion Ratio Lower Upper
112 100
114 34.9 25.0 37.6

Manual Integrations
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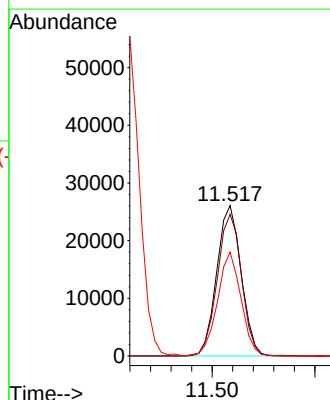
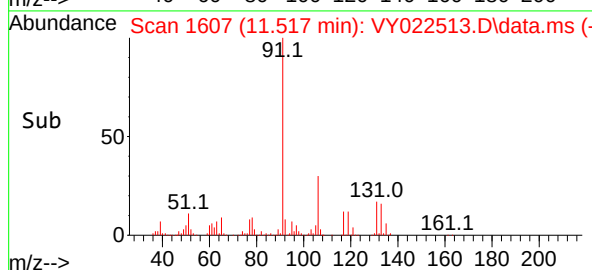
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

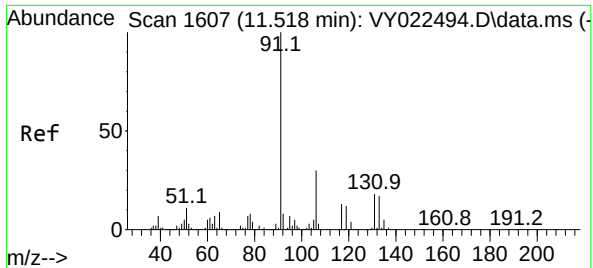


#66
1,1,1,2-Tetrachloroethane
Concen: 20.210 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15



Tgt Ion:131 Resp: 42827
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.8
119 66.7 33.1 99.3





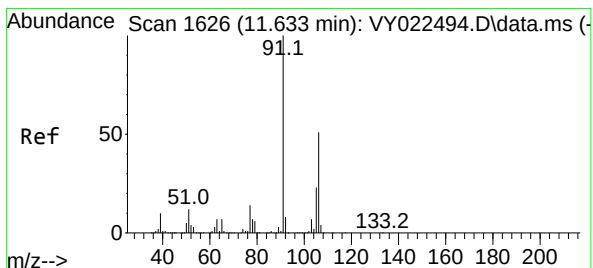
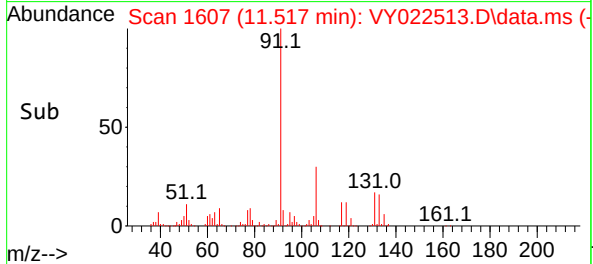
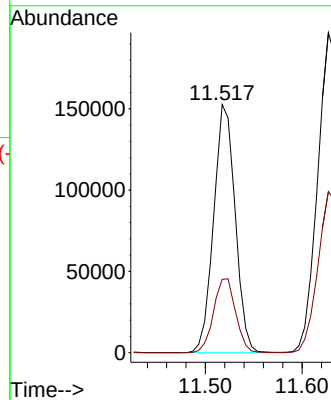
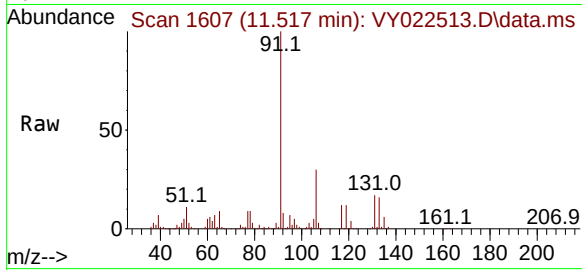
#67
Ethyl Benzene
Concen: 20.251 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Tgt Ion: 91 Resp: 236274
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.4

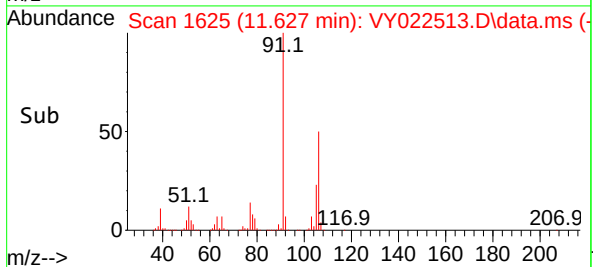
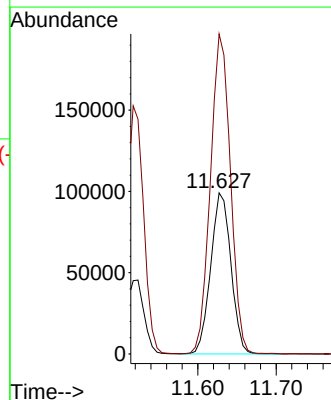
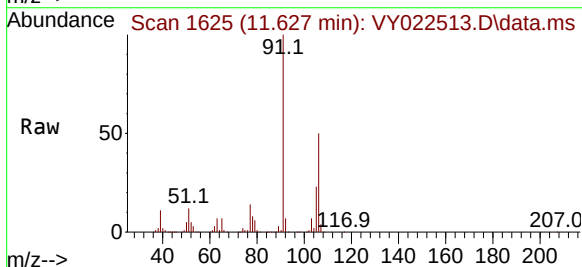
Manual Integrations
APPROVED

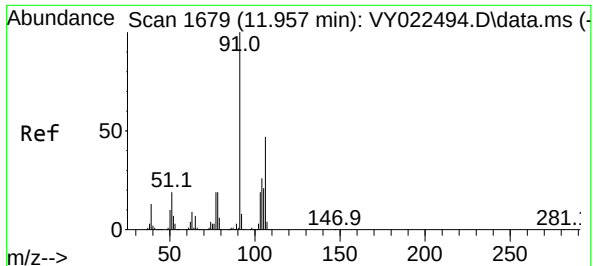
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#68
m/p-Xylenes
Concen: 40.152 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Tgt Ion:106 Resp: 177595
Ion Ratio Lower Upper
106 100
91 197.5 159.4 239.0





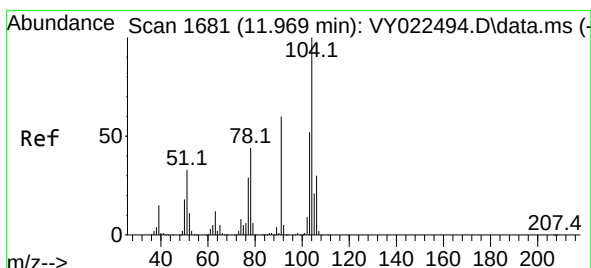
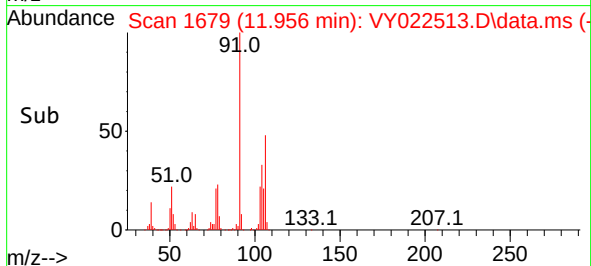
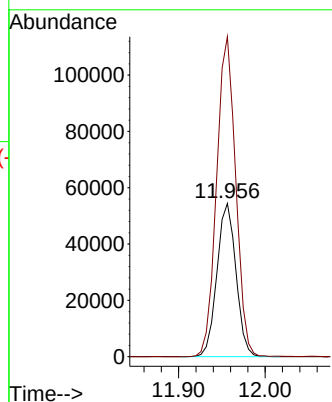
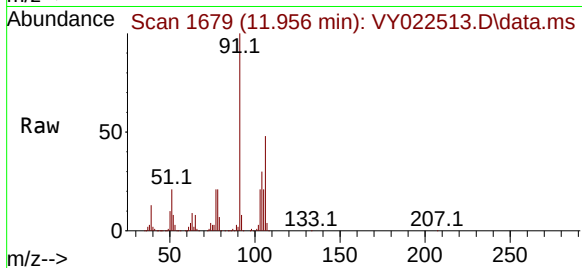
#69
o-Xylene
Concen: 20.025 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Tgt Ion:106 Resp: 8304
Ion Ratio Lower Upper
106 100
91 210.0 105.8 317.3

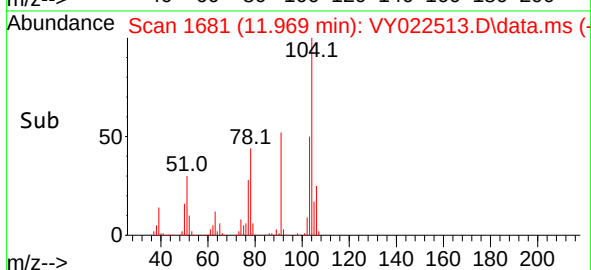
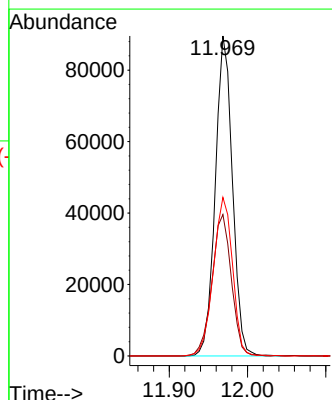
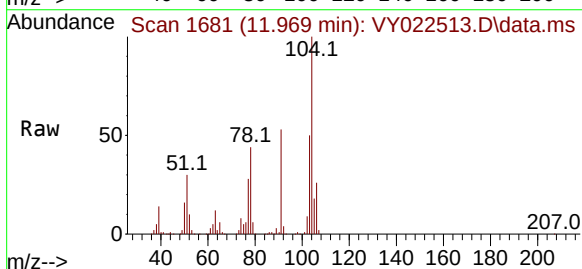
Manual Integrations
APPROVED

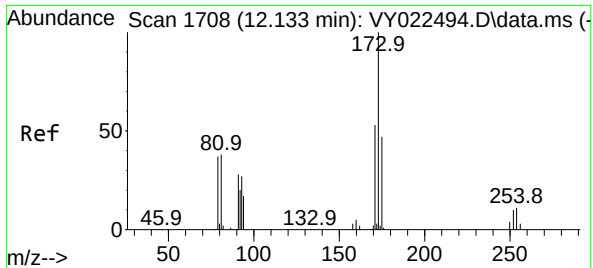
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#70
Styrene
Concen: 19.898 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

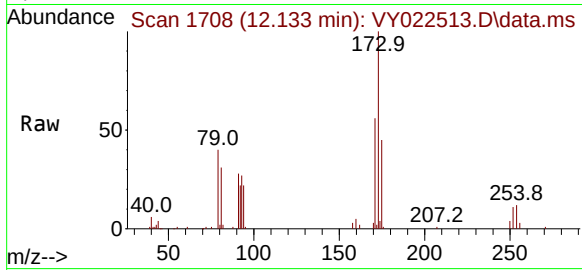
Tgt Ion:104 Resp: 136395
Ion Ratio Lower Upper
104 100
78 49.9 39.5 59.3
103 55.5 44.1 66.1





#71
Bromoform
Concen: 18.644 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

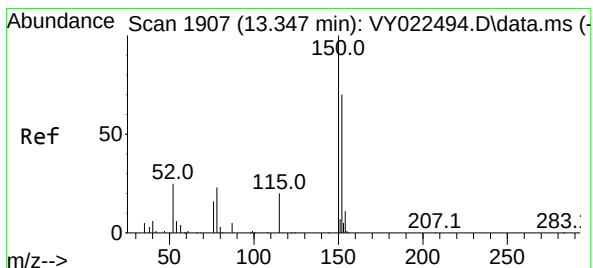
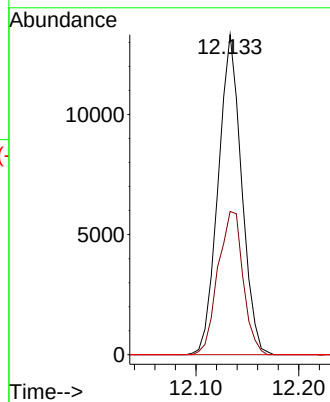
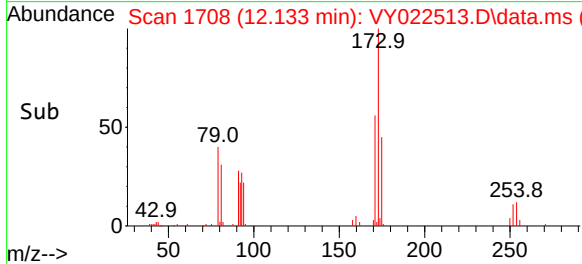
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



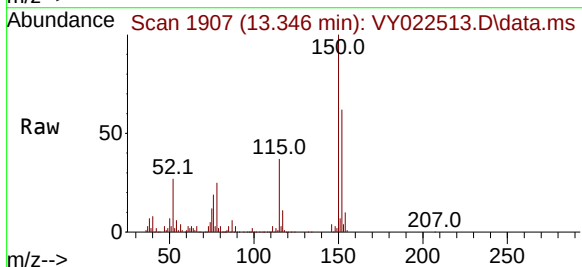
Tgt Ion:173 Resp: 21024
Ion Ratio Lower Upper
173 100
175 48.1 23.8 71.5
254 0.0 0.0 0.0

Manual Integrations
APPROVED

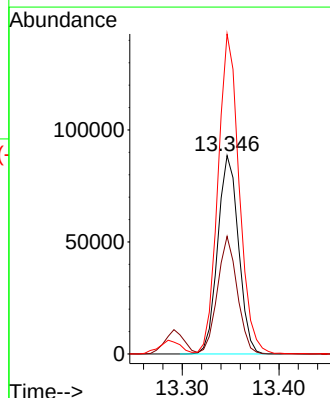
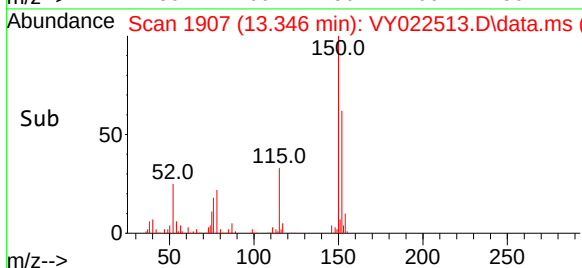
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

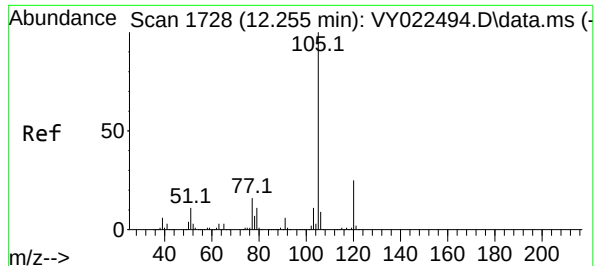


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15



Tgt Ion:152 Resp: 131961
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 164.9 0.0 349.6





#73

Isopropylbenzene

Concen: 20.130 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion:105 Resp: 21808

Ion Ratio Lower Upper

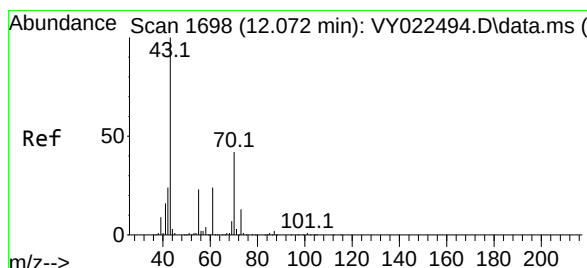
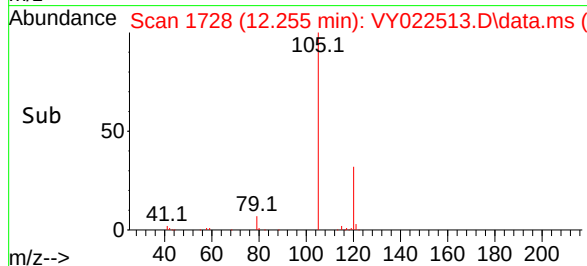
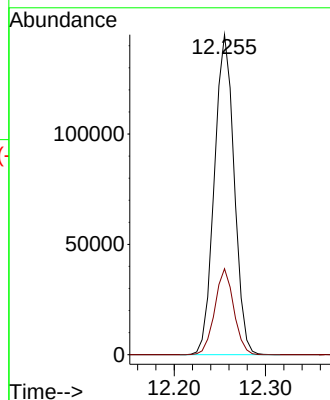
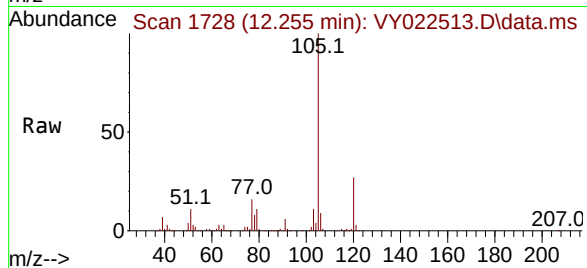
105 100

120 25.8 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#74

N-ethyl acetate

Concen: 19.006 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Tgt Ion: 43 Resp: 51955

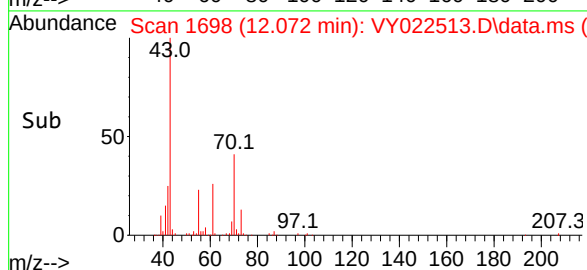
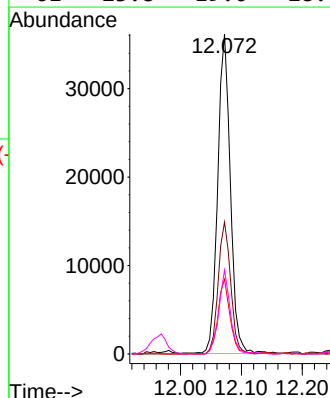
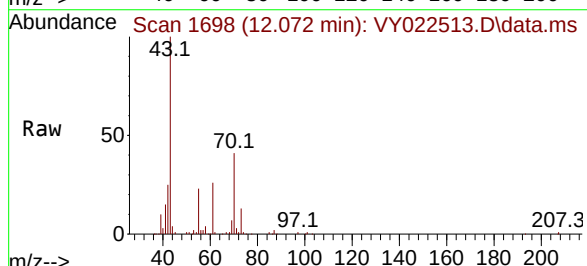
Ion Ratio Lower Upper

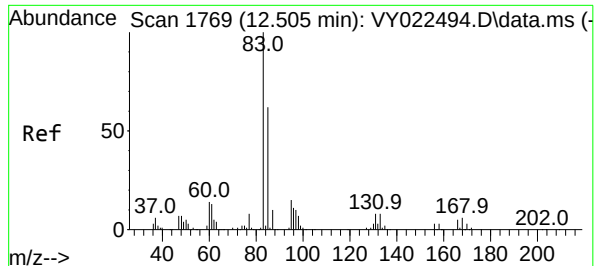
43 100

70 40.7 34.2 51.2

55 22.5 18.2 27.4

61 23.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.590 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

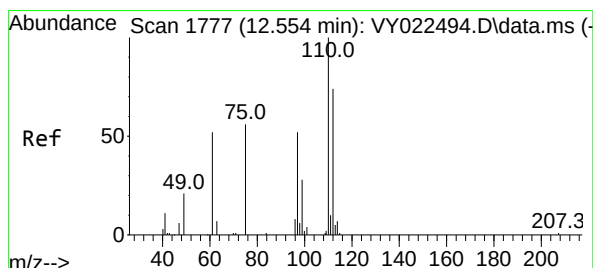
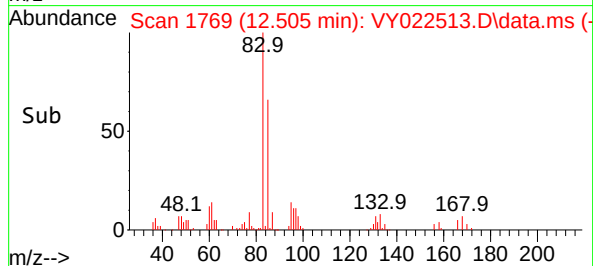
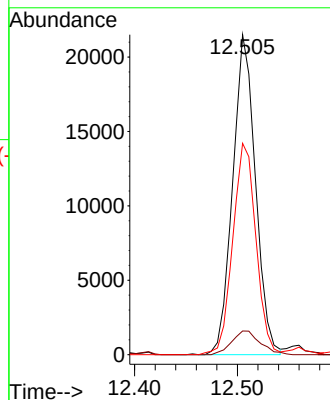
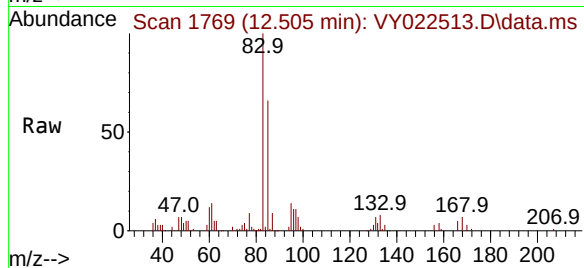
VY0603SBS01

Tgt Ion:	83	Resp:	3305
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	67.2	32.6	97.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#76

1,2,3-Trichloropropane

Concen: 17.973 ug/l m

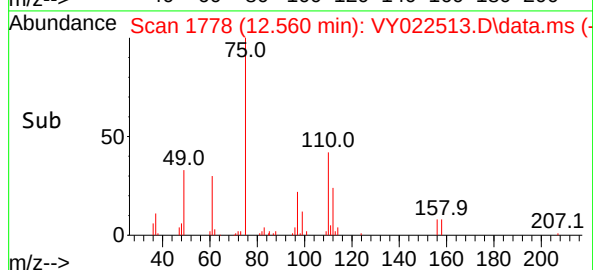
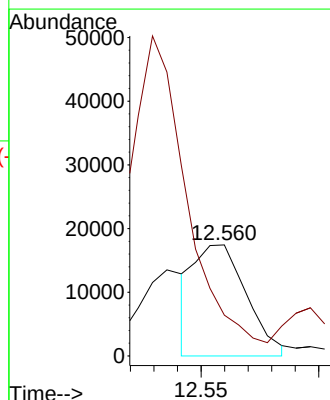
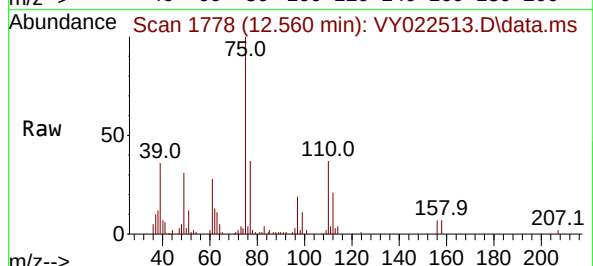
RT: 12.560 min Scan# 1778

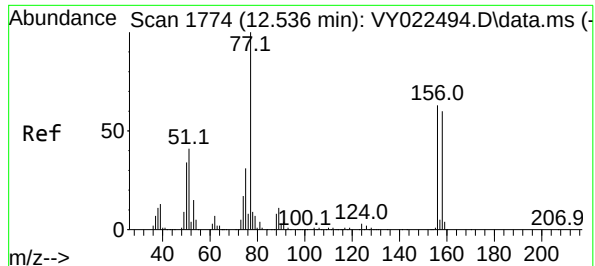
Delta R.T. 0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

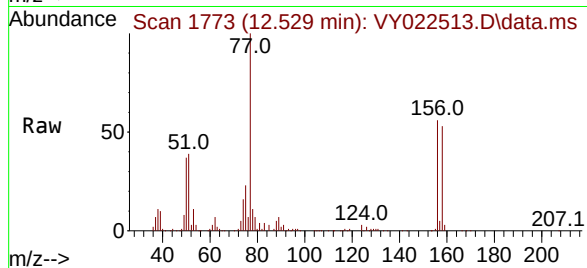
Tgt Ion:	75	Resp:	27133
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 19.355 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

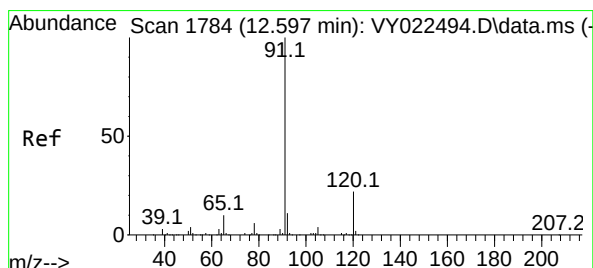
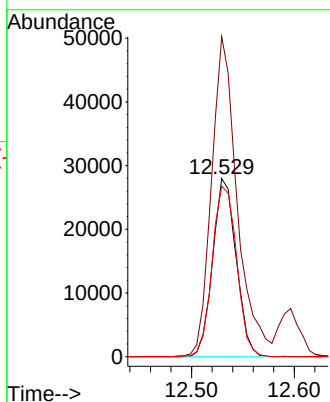
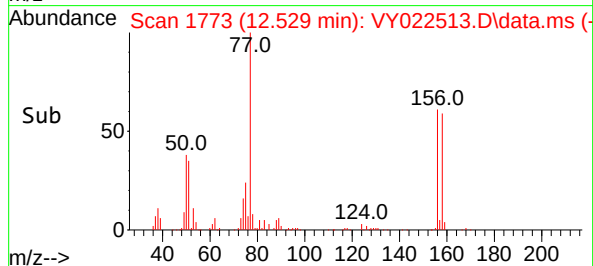
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



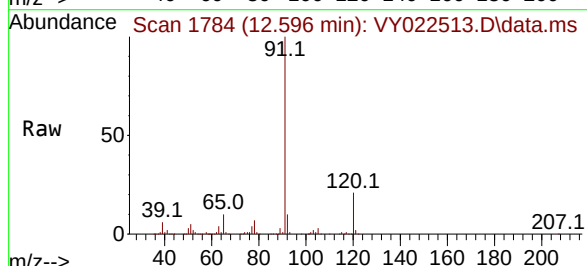
Tgt Ion:156 Resp: 44250
Ion Ratio Lower Upper
156 100
77 197.3 94.0 282.1
158 99.8 48.2 144.6

Manual Integrations
APPROVED

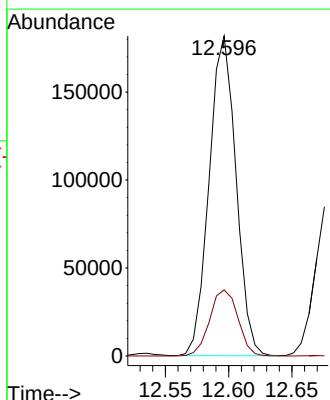
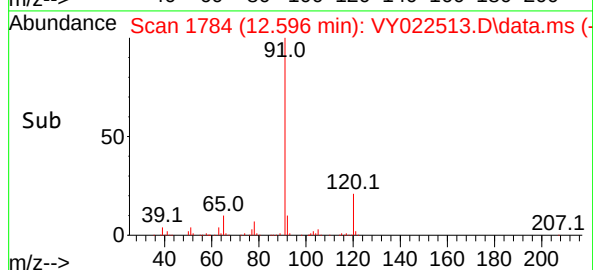
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

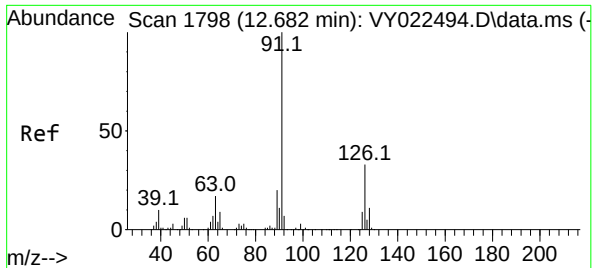


#78
n-propylbenzene
Concen: 20.282 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15



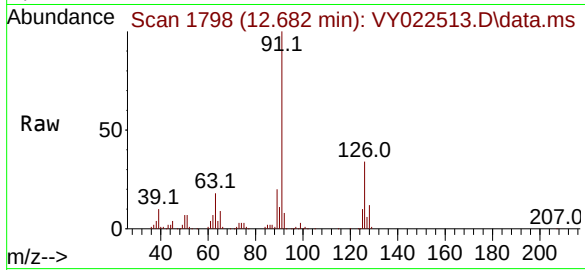
Tgt Ion: 91 Resp: 268379
Ion Ratio Lower Upper
91 100
120 21.7 10.8 32.4





#79
2-Chlorotoluene
Concen: 20.082 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

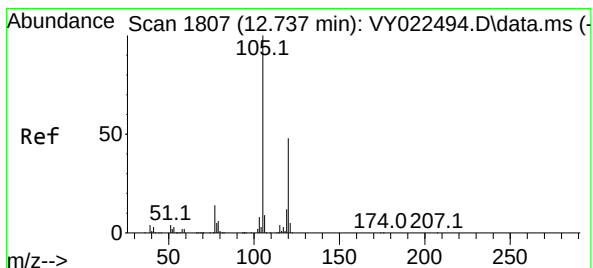
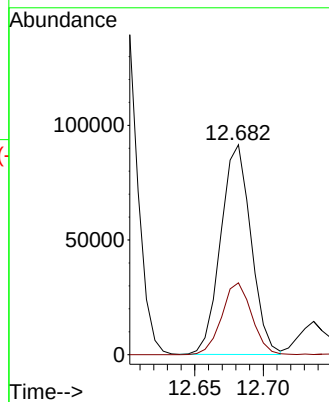
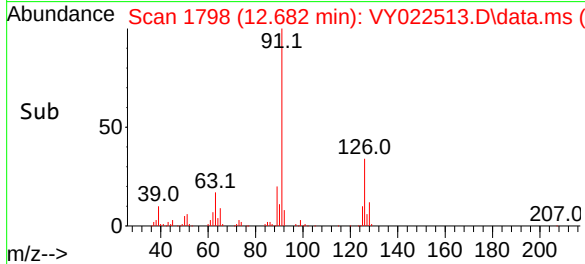
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



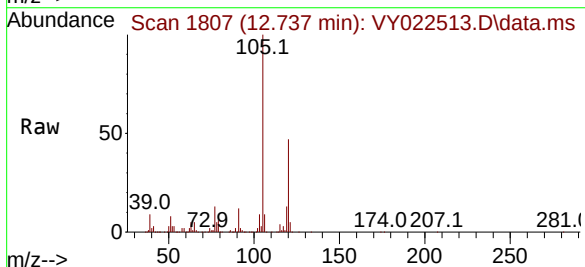
Tgt Ion: 91 Resp: 140839
Ion Ratio Lower Upper
91 100
126 34.0 17.0 51.0

Manual Integrations
APPROVED

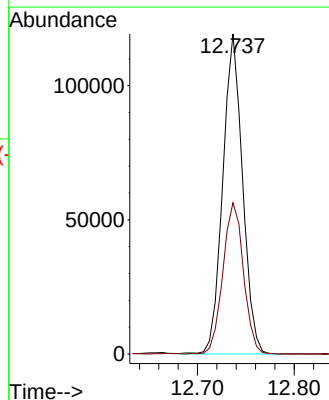
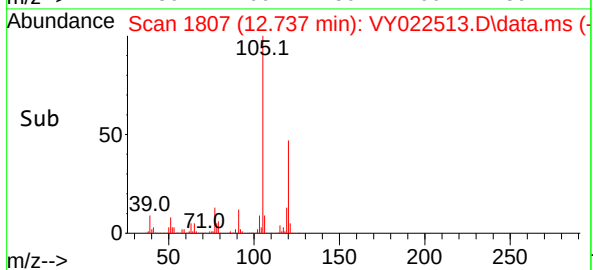
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

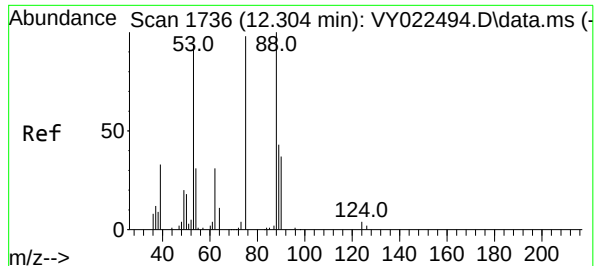


#80
1,3,5-Trimethylbenzene
Concen: 19.885 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15



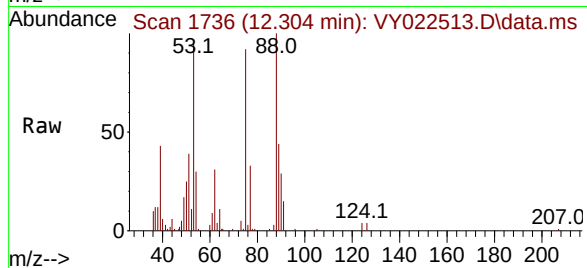
Tgt Ion:105 Resp: 169137
Ion Ratio Lower Upper
105 100
120 49.1 24.1 72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.903 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

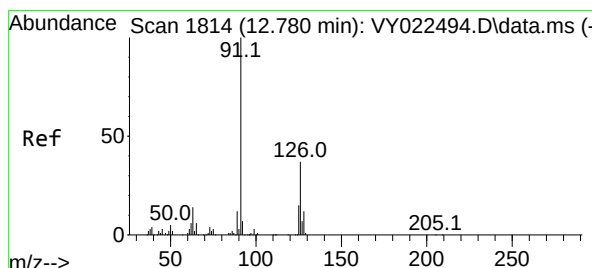
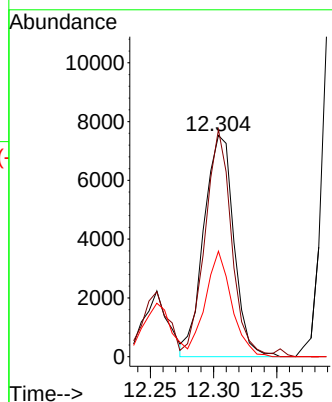
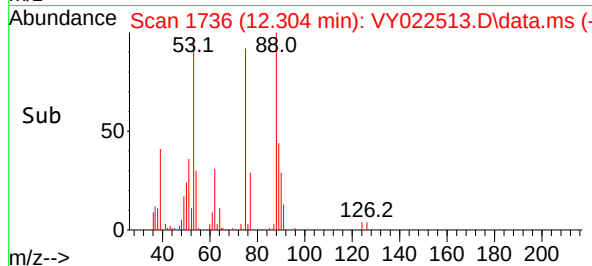
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion: 75 Resp: 1244
Ion Ratio Lower Upper
75 100
53 88.0 78.5 117.7
89 41.7 35.7 53.5

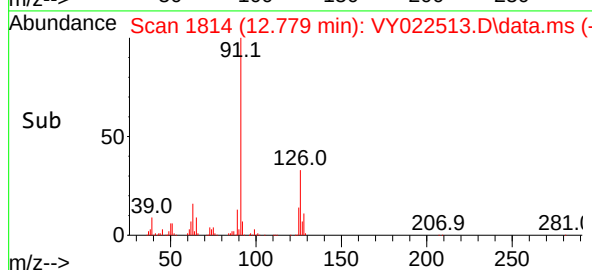
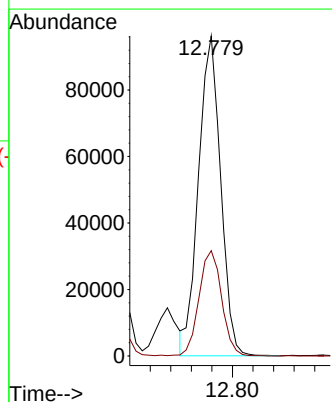
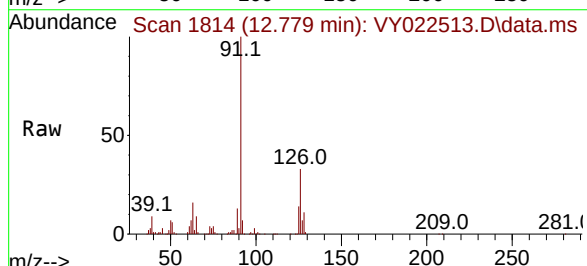
Manual Integrations
APPROVED

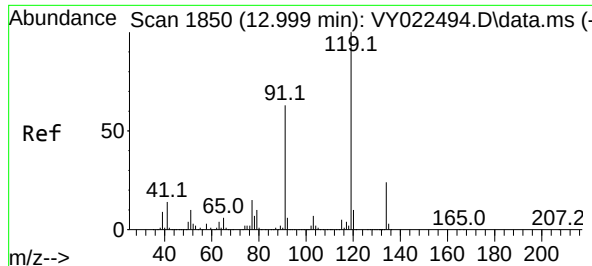
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#82
4-Chlorotoluene
Concen: 19.916 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Tgt Ion: 91 Resp: 144089
Ion Ratio Lower Upper
91 100
126 33.7 17.0 50.9





#83

tert-Butylbenzene

Concen: 20.356 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion:119 Resp: 155390

Ion Ratio Lower Upper

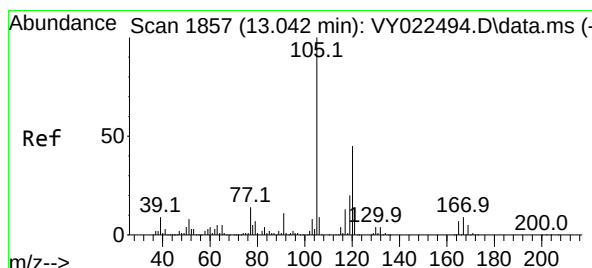
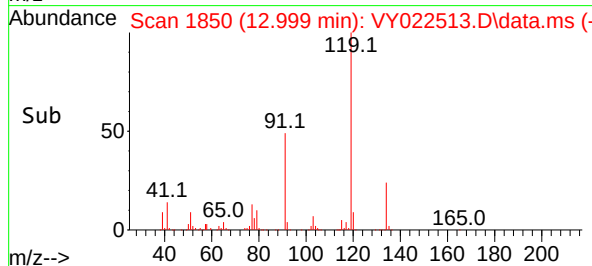
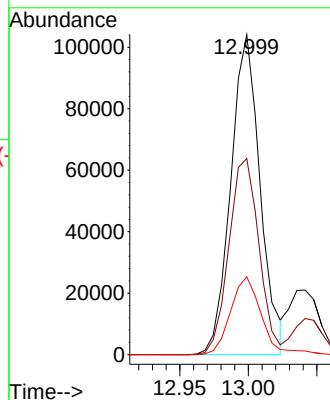
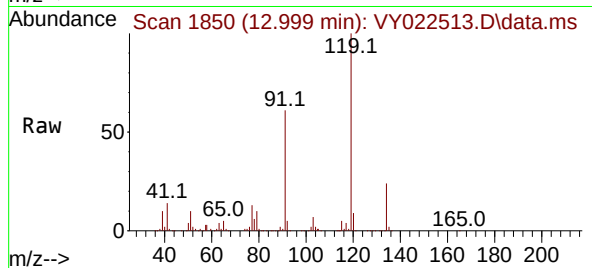
119 100

91 62.8 32.1 96.3

134 25.6 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#84

1,2,4-Trimethylbenzene

Concen: 19.747 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022513.D

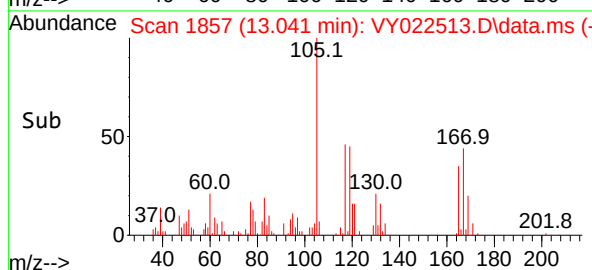
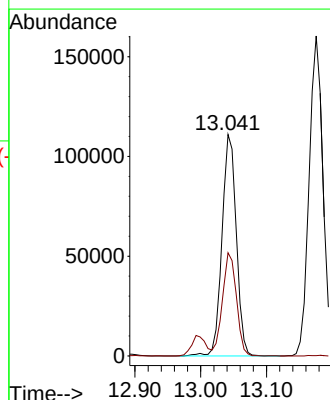
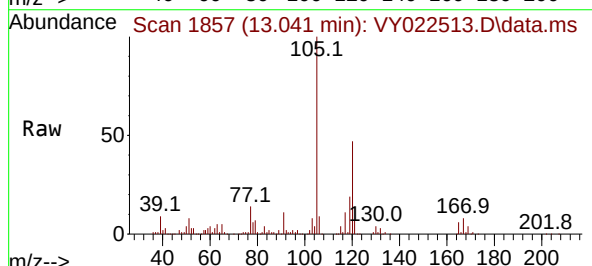
Acq: 03 Jun 2025 11:15

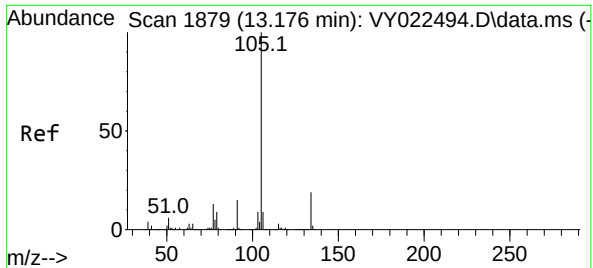
Tgt Ion:105 Resp: 167992

Ion Ratio Lower Upper

105 100

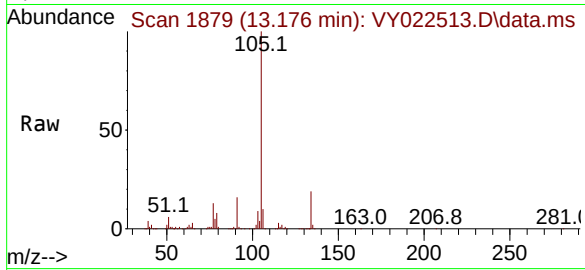
120 45.4 22.7 68.1





#85
sec-Butylbenzene
Concen: 20.032 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

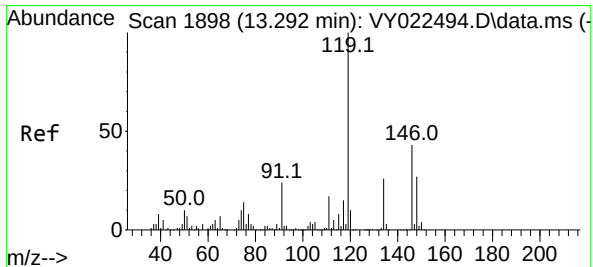
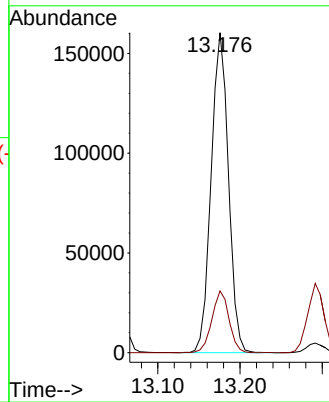
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion:105 Resp: 23420
Ion Ratio Lower Upper
105 100
134 19.1 9.7 28.9

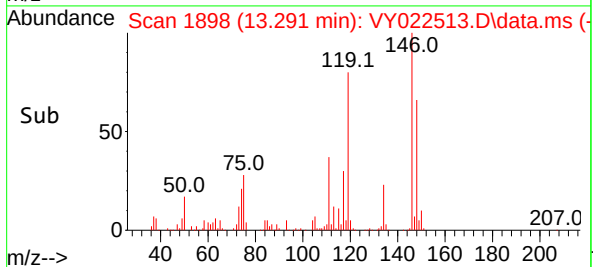
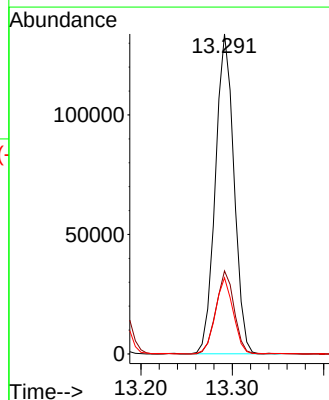
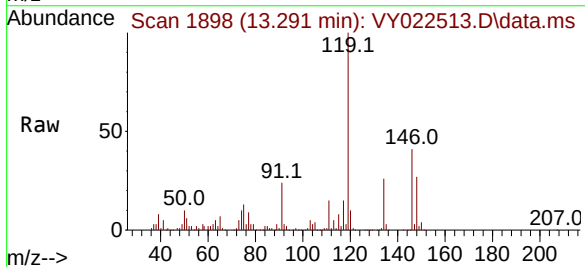
Manual Integrations
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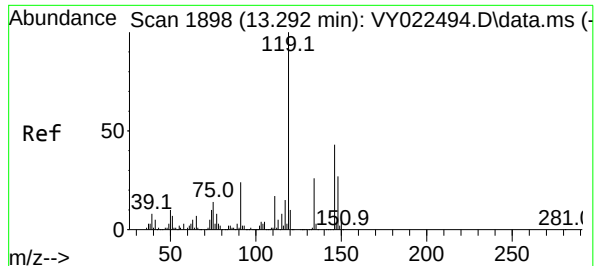
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#86
p-Isopropyltoluene
Concen: 19.596 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Tgt Ion:119 Resp: 188849
Ion Ratio Lower Upper
119 100
134 25.4 13.1 39.1
91 23.0 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 19.350 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion:146 Resp: 89632

Ion Ratio Lower Upper

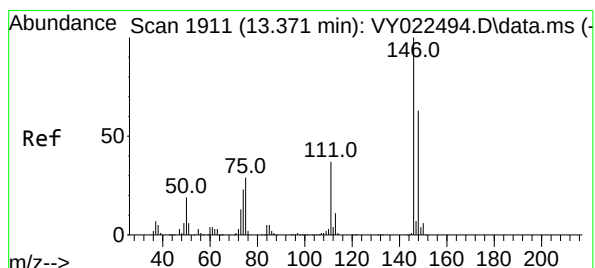
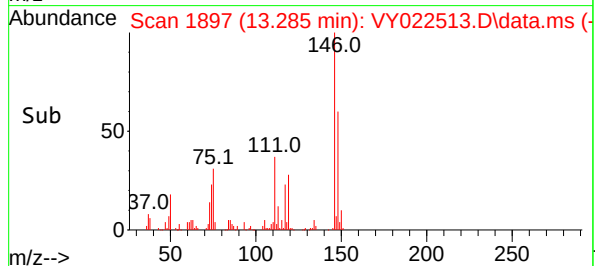
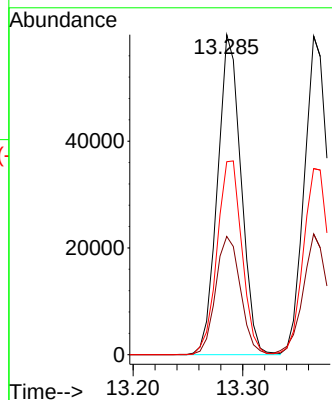
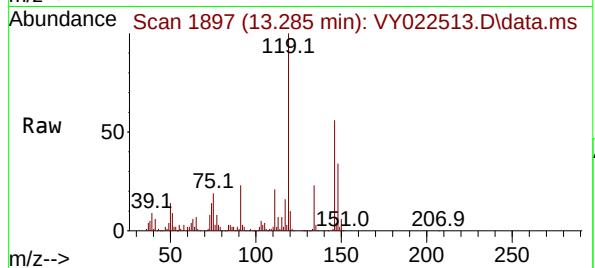
146 100

111 38.9 20.1 60.2

148 63.8 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#88

1,4-Dichlorobenzene

Concen: 19.974 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

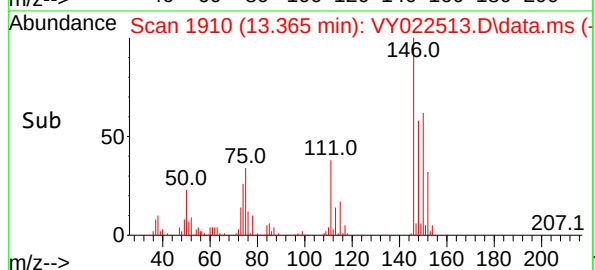
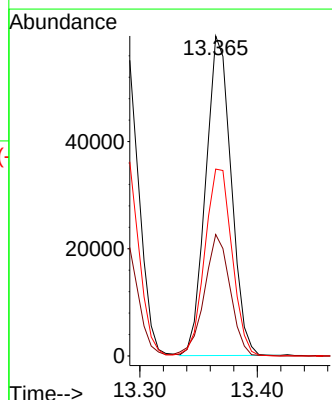
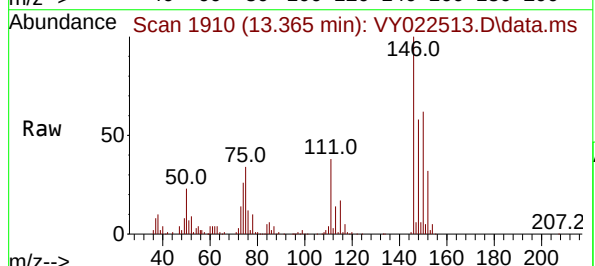
Tgt Ion:146 Resp: 89737

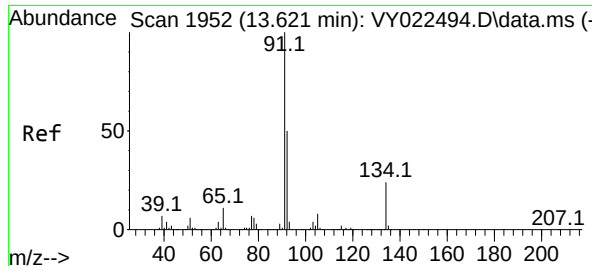
Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.2

148 62.8 31.6 94.8





#89

n-Butylbenzene

Concen: 20.077 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 91 Resp: 183570

Ion Ratio Lower Upper

91 100

92 52.0 25.9 77.8

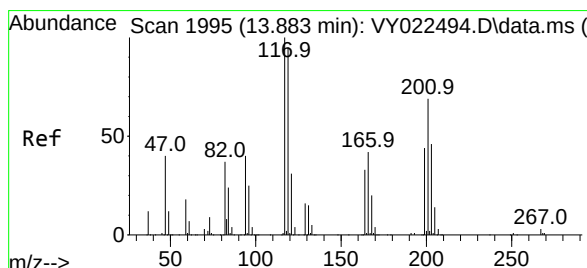
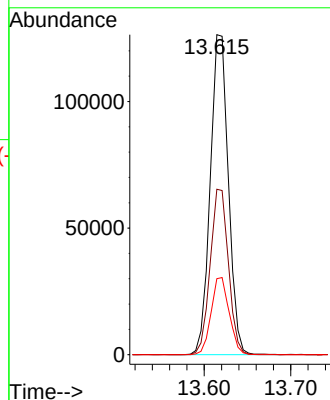
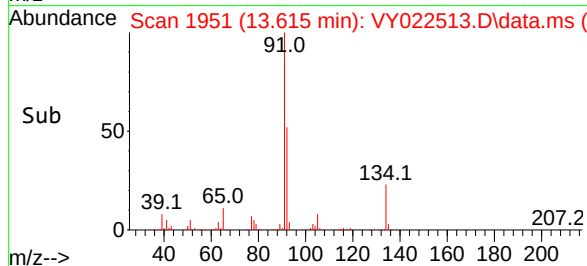
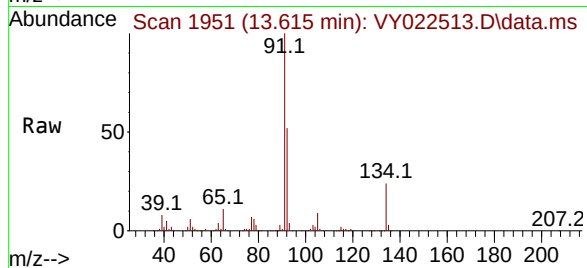
134 24.0 12.0 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#90

Hexachloroethane

Concen: 20.338 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. -0.000 min

Lab File: VY022513.D

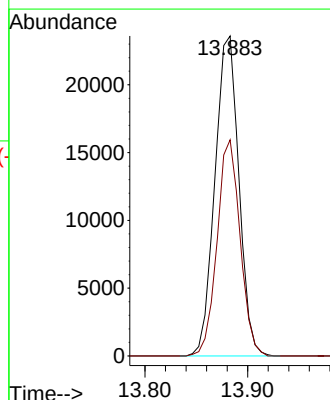
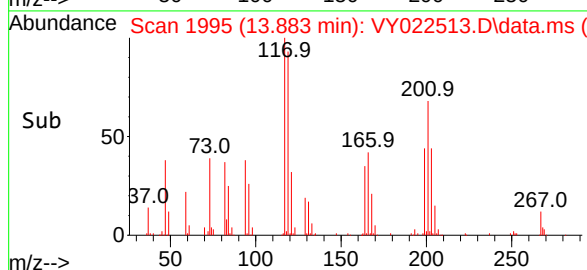
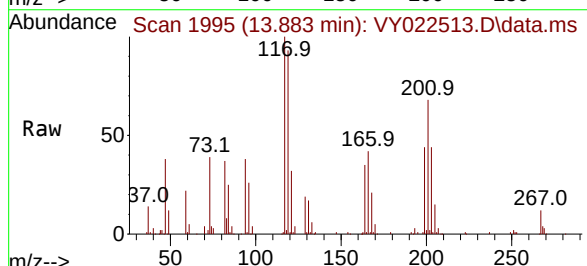
Acq: 03 Jun 2025 11:15

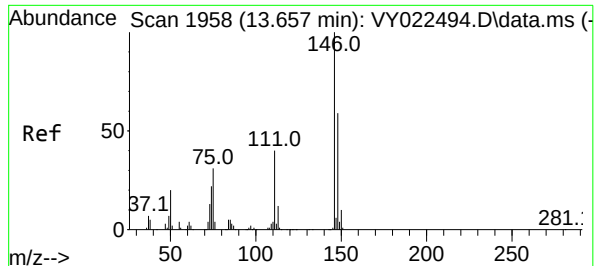
Tgt Ion:117 Resp: 38158

Ion Ratio Lower Upper

117 100

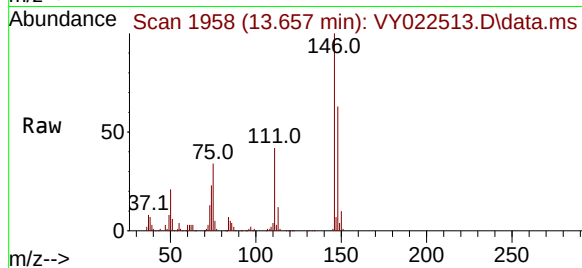
201 64.9 34.0 102.0





#91
1,2-Dichlorobenzene
Concen: 19.759 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

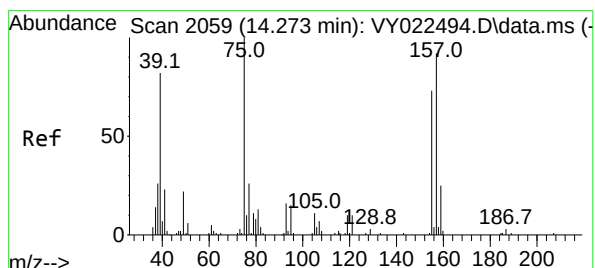
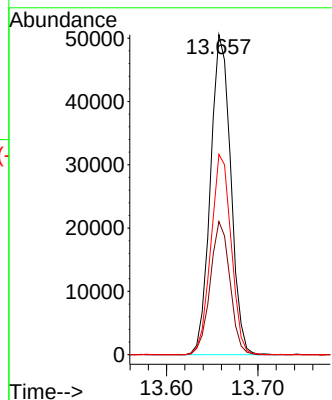
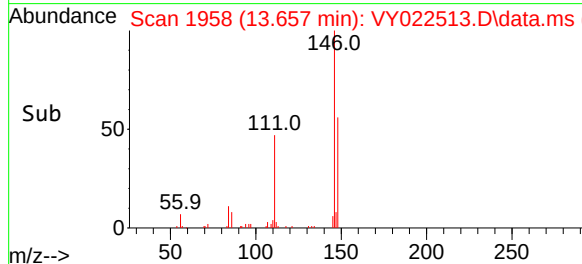
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



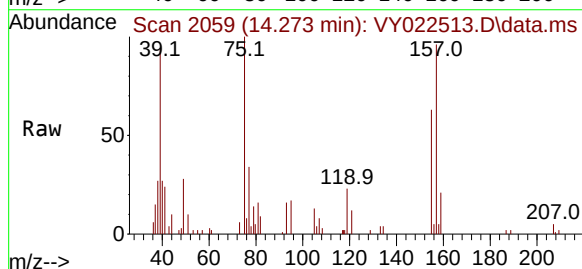
Tgt Ion:146 Resp: 77708
Ion Ratio Lower Upper
146 100
111 40.5 20.2 60.6
148 62.9 31.4 94.0

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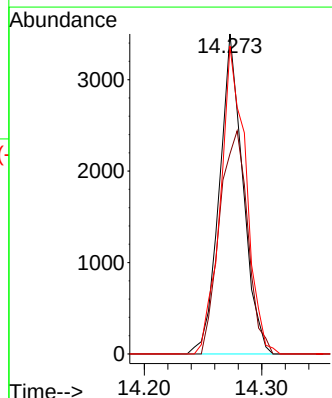
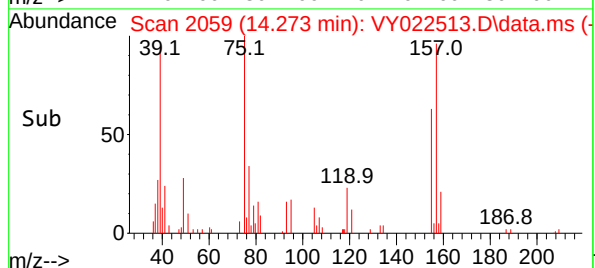
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

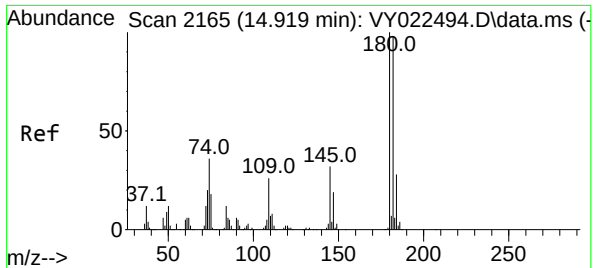


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.850 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15



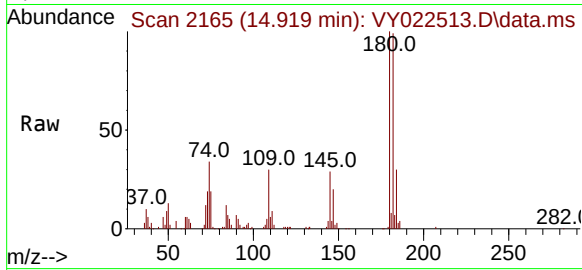
Tgt Ion: 75 Resp: 4880
Ion Ratio Lower Upper
75 100
155 83.4 39.9 119.6
157 103.7 54.0 162.0





#93
1,2,4-Trichlorobenzene
Concen: 18.836 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

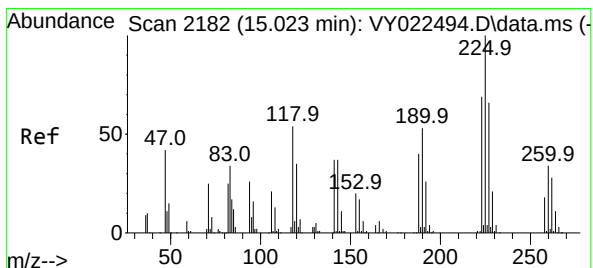
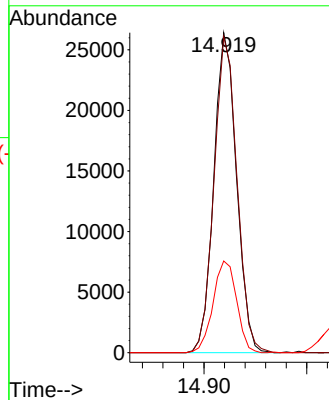
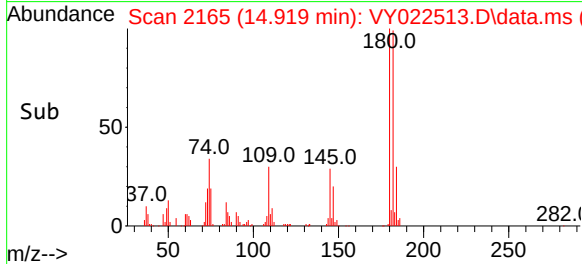
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion:180 Resp: 4040
Ion Ratio Lower Upper
180 100
182 99.9 48.4 145.3
145 29.8 15.5 46.5

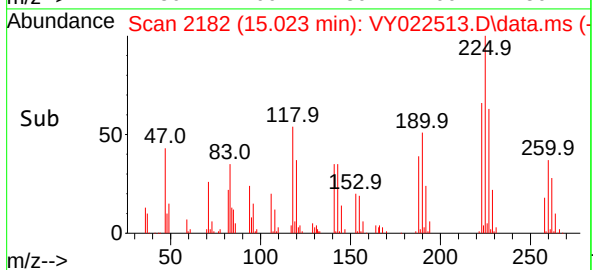
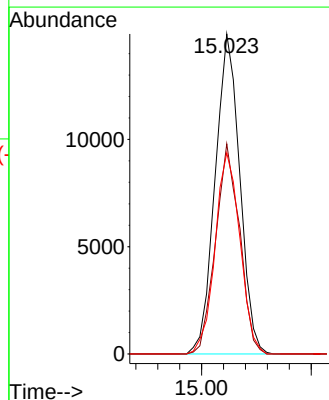
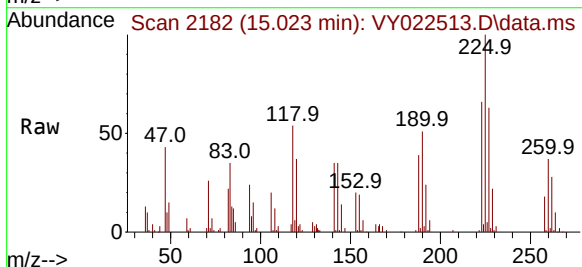
Manual Integrations
APPROVED

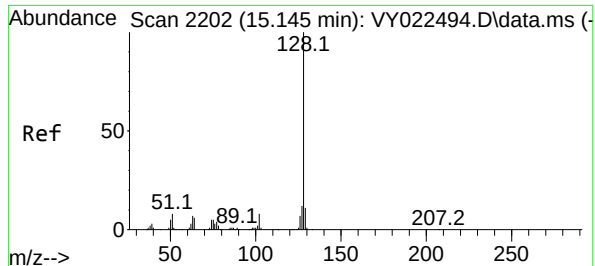
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#94
Hexachlorobutadiene
Concen: 19.652 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022513.D
Acq: 03 Jun 2025 11:15

Tgt Ion:225 Resp: 23265
Ion Ratio Lower Upper
225 100
223 64.0 32.5 97.4
227 63.6 32.3 96.9





#95

Naphthalene

Concen: 18.211 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion:128 Resp: 7496

Ion Ratio Lower Upper

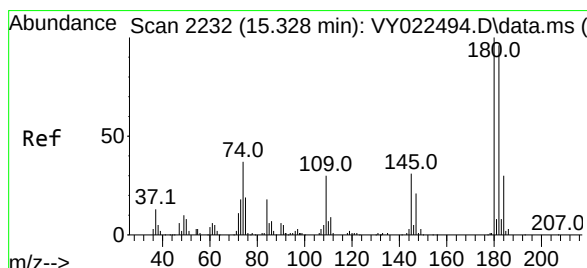
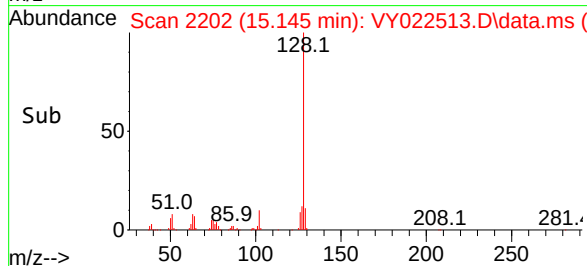
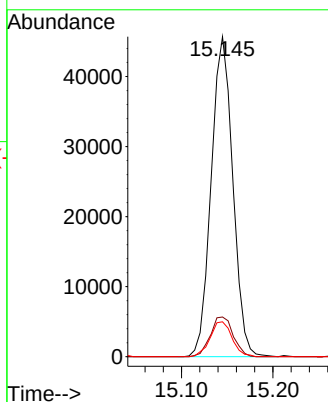
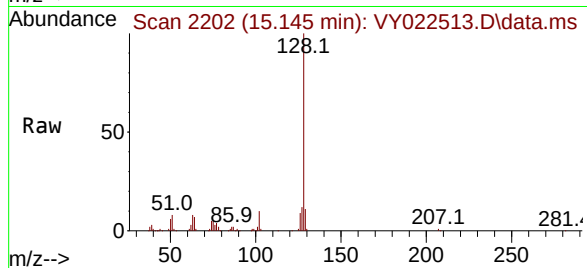
128 100

127 13.1 10.4 15.6

129 11.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#96

1,2,3-Trichlorobenzene

Concen: 19.418 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022513.D

Acq: 03 Jun 2025 11:15

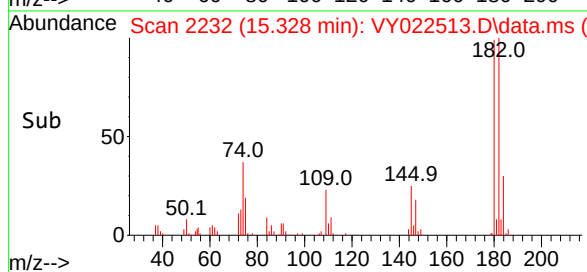
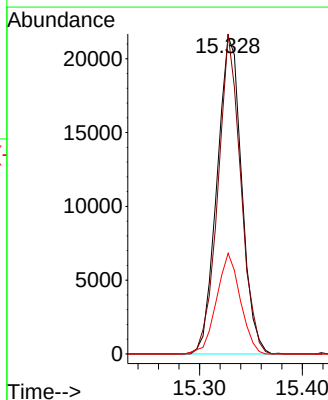
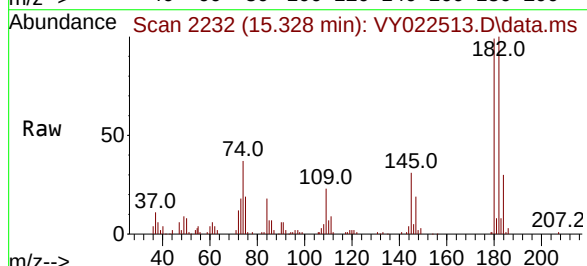
Tgt Ion:180 Resp: 35695

Ion Ratio Lower Upper

180 100

182 93.3 47.1 141.3

145 30.7 15.2 45.6



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0603SBSD01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBSD01	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
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.6		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.7		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.3		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	19.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.4		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.8		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.6		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.7		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	96.9		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0603SBSD01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBSD01	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
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.2		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		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	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.9		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.3		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	52.6		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	7.707			
540-36-3	1,4-Difluorobenzene	334000	8.616			
3114-55-4	Chlorobenzene-d5	277000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0603SBSD01	SDG No.:	Q2176
Lab Sample ID:	VY0603SBSD01	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
VY022514.D	1		06/03/25 11:38	VY060325

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\VY060325\
 Data File : VY022514.D
 Acq On : 03 Jun 2025 11:38
 Operator : SY/MD
 Sample : VY0603SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0603SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:10:06 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	196295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111211	50.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.320%			
35) Dibromofluoromethane	7.634	113	102540	51.473	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.109	98	423577	52.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.240%			
62) 4-Bromofluorobenzene	12.408	95	120123	50.086	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	39450	22.448	ug/l	92
3) Chloromethane	2.068	50	115283	22.204	ug/l	98
4) Vinyl Chloride	2.202	62	133679	22.195	ug/l	98
5) Bromomethane	2.592	94	122385	21.200	ug/l	99
6) Chloroethane	2.732	64	89448	21.637	ug/l	96
7) Trichlorofluoromethane	3.049	101	108350	21.191	ug/l	98
8) Diethyl Ether	3.458	74	24283	21.088	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	43506	20.203	ug/l	97
10) Methyl Iodide	4.007	142	46266	19.853	ug/l	100
11) Tert butyl alcohol	4.872	59	16220	103.440	ug/l #	73
12) 1,1-Dichloroethene	3.787	96	44732	21.731	ug/l	97
13) Acrolein	3.659	56	20248	103.612	ug/l	95
14) Allyl chloride	4.385	41	66730	20.650	ug/l	98
15) Acrylonitrile	5.055	53	47639	97.686	ug/l	96
16) Acetone	3.879	43	51428	115.345	ug/l	98
17) Carbon Disulfide	4.104	76	140692	21.348	ug/l	99
18) Methyl Acetate	4.391	43	25743	19.498	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	118588	20.454	ug/l	97
20) Methylene Chloride	4.616	84	48900	19.308	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	48144	20.897	ug/l	98
22) Diisopropyl ether	6.018	45	152316	21.175	ug/l	99
23) Vinyl Acetate	5.964	43	430636	101.150	ug/l	99
24) 1,1-Dichloroethane	5.915	63	89303	21.074	ug/l	98
25) 2-Butanone	6.896	43	69185	107.575	ug/l	99
26) 2,2-Dichloropropane	6.890	77	80364	21.464	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	57093	21.440	ug/l	99
28) Bromochloromethane	7.250	49	38497	20.841	ug/l	99
29) Tetrahydrofuran	7.262	42	39069	94.187	ug/l	97
30) Chloroform	7.421	83	90558	21.576	ug/l	98
31) Cyclohexane	7.707	56	83149	19.710	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78839	21.159	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67396	20.845	ug/l	100
37) Ethyl Acetate	6.988	43	29632	20.551	ug/l	99
38) Carbon Tetrachloride	7.817	117	69195	20.862	ug/l	97
39) Methylcyclohexane	9.109	83	88301	20.323	ug/l	98
40) Benzene	8.079	78	200930	21.041	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022514.D
 Acq On : 03 Jun 2025 11:38
 Operator : SY/MD
 Sample : VY0603SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0603SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:10:06 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	7.219	41	15352m	18.228	ug/l	
42) 1,2-Dichloroethane	8.164	62	54776	21.007	ug/l	98
43) Isopropyl Acetate	8.201	43	61432	19.728	ug/l	98
44) Trichloroethene	8.866	130	50293	21.548	ug/l	90
45) 1,2-Dichloropropane	9.140	63	46638	20.665	ug/l	99
46) Dibromomethane	9.231	93	25459	20.051	ug/l	98
47) Bromodichloromethane	9.420	83	67575	20.989	ug/l	100
48) Methyl methacrylate	9.225	41	28959	19.815	ug/l	98
49) 1,4-Dioxane	9.237	88	5727	380.729	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	150410	96.879	ug/l	100
52) Toluene	10.170	92	123263	20.539	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	60064	19.911	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	71904	20.477	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	33397	20.628	ug/l	92
56) Ethyl methacrylate	10.438	69	45653	19.510	ug/l	98
57) 1,3-Dichloropropane	10.719	76	58164	20.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	110692	104.188	ug/l	99
59) 2-Hexanone	10.762	43	102187	98.414	ug/l	99
60) Dibromochloromethane	10.908	129	41567	20.203	ug/l	100
61) 1,2-Dibromoethane	11.018	107	29473	19.973	ug/l	98
64) Tetrachloroethene	10.646	164	50817	21.307	ug/l	96
65) Chlorobenzene	11.438	112	129702	21.140	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	43105	20.856	ug/l	99
67) Ethyl Benzene	11.517	91	236352	20.770	ug/l	99
68) m/p-Xylenes	11.627	106	178031	41.269	ug/l	99
69) o-Xylene	11.956	106	83649	20.682	ug/l	100
70) Styrene	11.969	104	137611	20.583	ug/l	99
71) Bromoform	12.133	173	21869	19.883	ug/l #	99
73) Isopropylbenzene	12.255	105	220201	21.105	ug/l	100
74) N-amyl acetate	12.072	43	52673	20.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34208	19.977	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	26292m	18.084	ug/l	
77) Bromobenzene	12.529	156	46055	20.918	ug/l	100
78) n-propylbenzene	12.597	91	269951	21.184	ug/l	99
79) 2-Chlorotoluene	12.682	91	142085	21.037	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	170919	20.866	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	11460	19.036	ug/l	95
82) 4-Chlorotoluene	12.779	91	141886	20.364	ug/l	96
83) tert-Butylbenzene	12.999	119	156660	21.309	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	170782	20.846	ug/l	99
85) sec-Butylbenzene	13.176	105	235402	20.907	ug/l	99
86) p-Isopropyltoluene	13.292	119	190486	20.525	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	91645	20.544	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	89601	20.709	ug/l	99
89) n-Butylbenzene	13.615	91	189125	21.478	ug/l	99
90) Hexachloroethane	13.877	117	38174	21.128	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	79301	20.938	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4844	19.429	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	43264	20.945	ug/l	99
94) Hexachlorobutadiene	15.023	225	23654	20.747	ug/l	99
95) Naphthalene	15.145	128	76972	19.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	35926	20.294	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:10:06 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

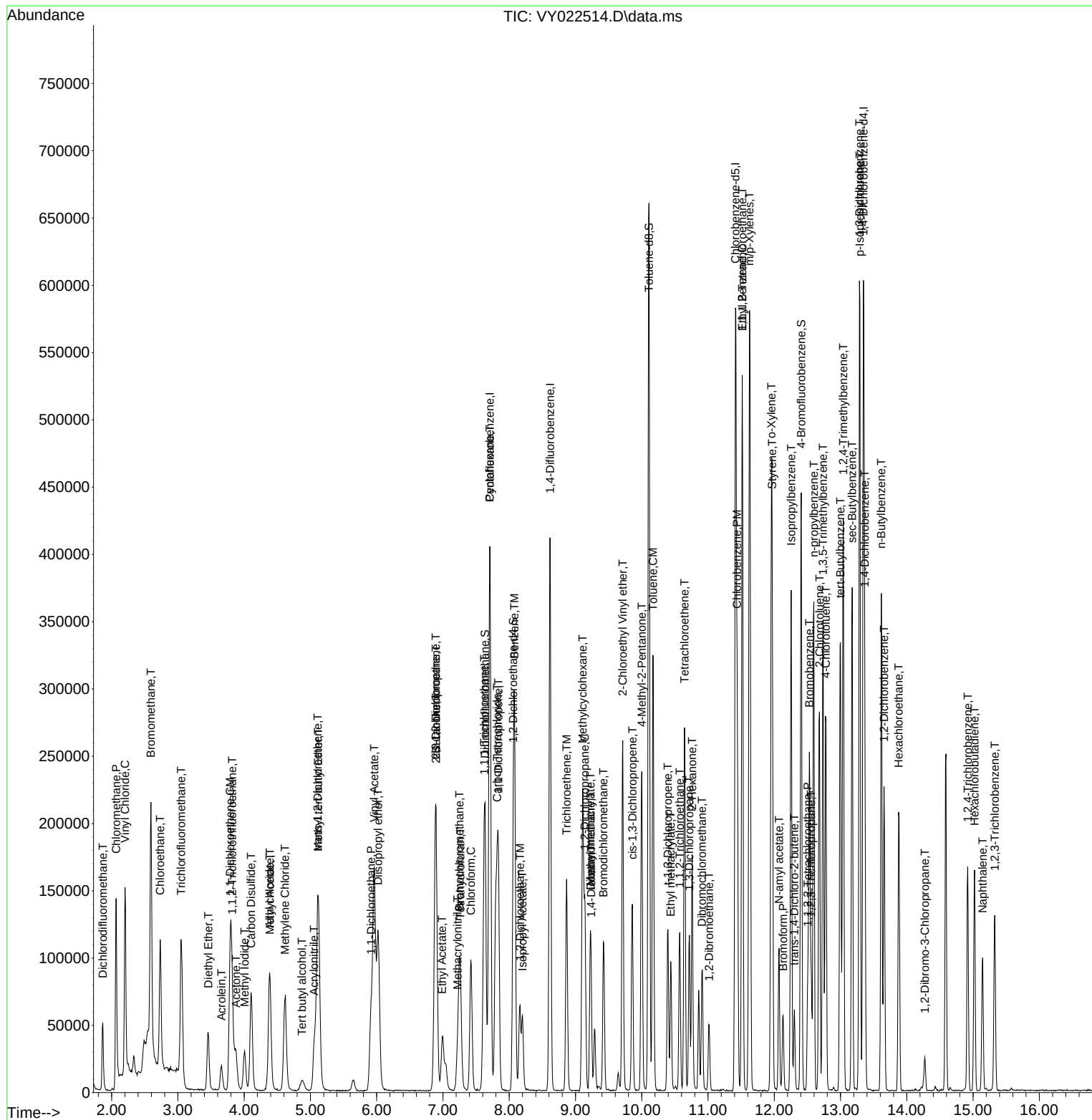
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Sample : VY06035BSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

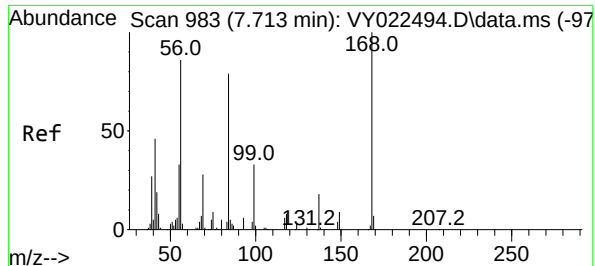
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01

Manual Integrations

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

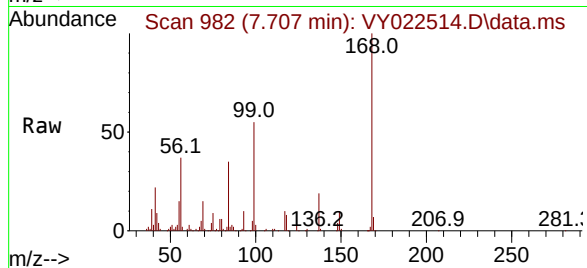
Quant Time: Jun 04 04:10:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

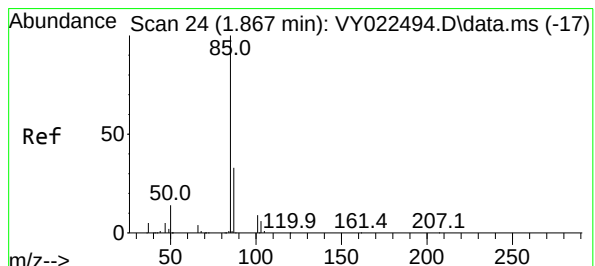
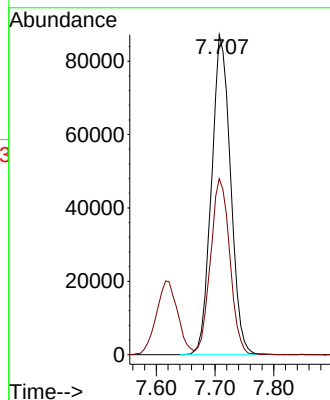
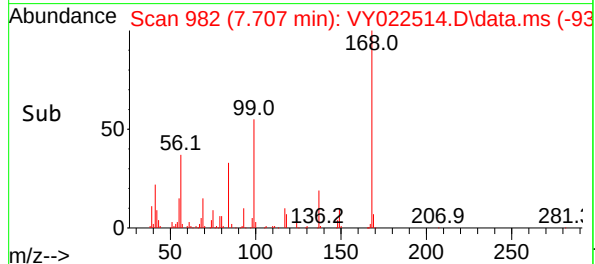
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



Tgt Ion:168 Resp: 19629
Ion Ratio Lower Upper
168 100
99 55.0 44.3 66.5

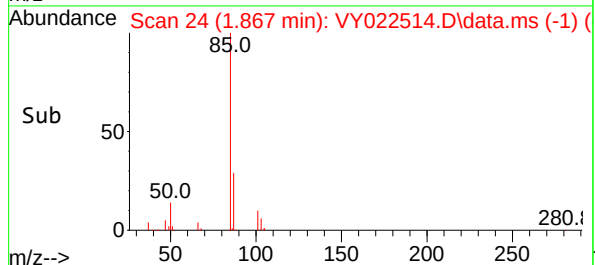
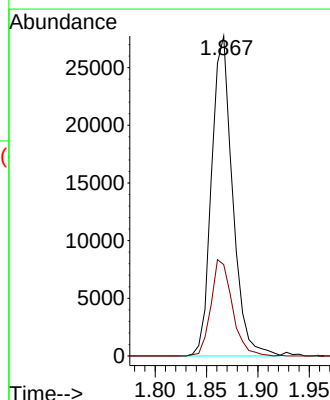
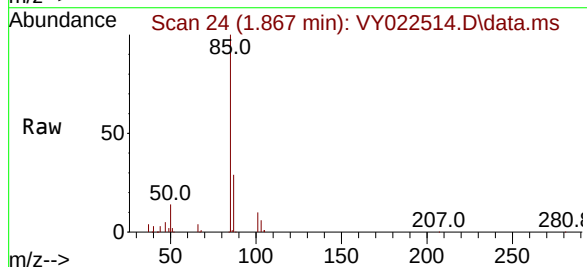
Manual Integrations
APPROVED

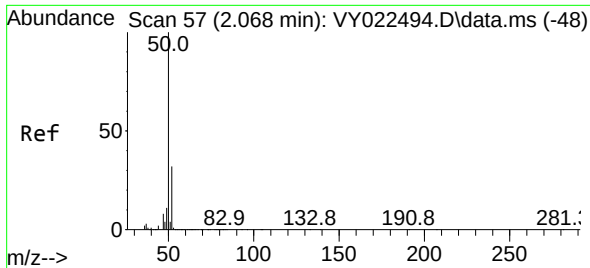
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#2
Dichlorodifluoromethane
Concen: 22.448 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

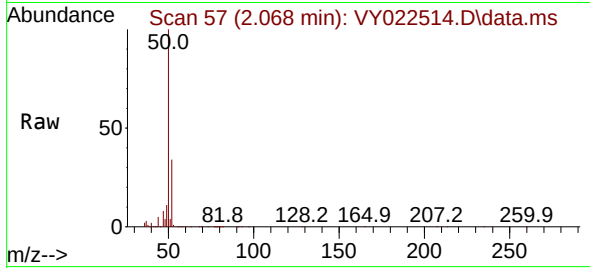
Tgt Ion: 85 Resp: 39450
Ion Ratio Lower Upper
85 100
87 28.5 16.7 50.0





#3
Chloromethane
Concen: 22.204 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

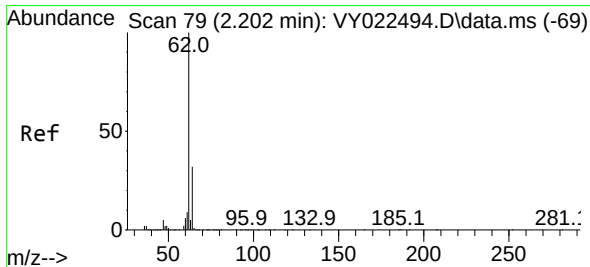
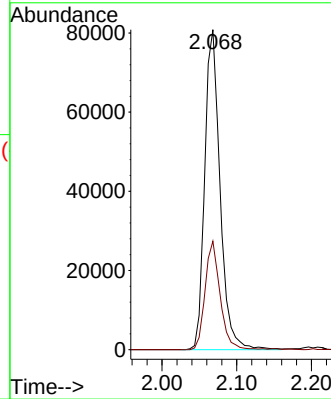
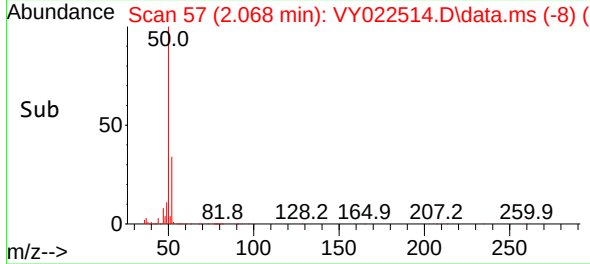
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



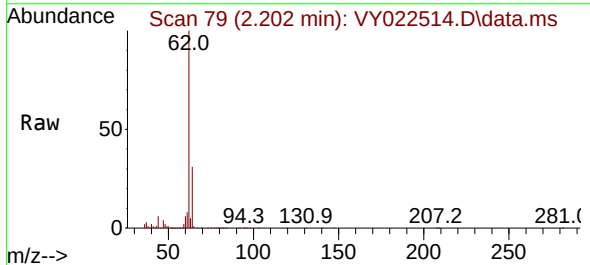
Tgt Ion: 50 Resp: 115283
Ion Ratio Lower Upper
50 100
52 33.9 26.0 39.0

Manual Integrations
APPROVED

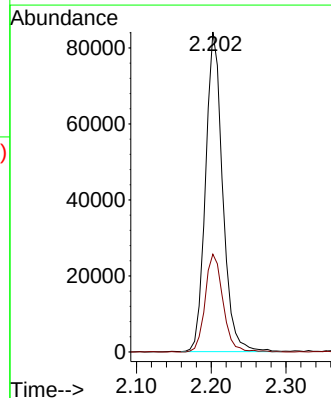
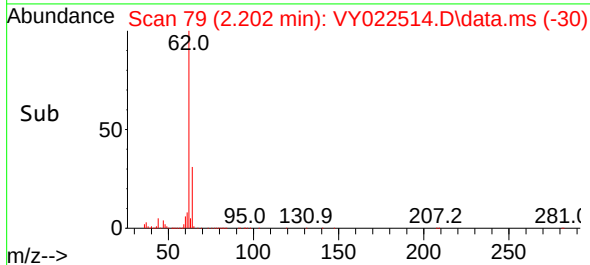
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

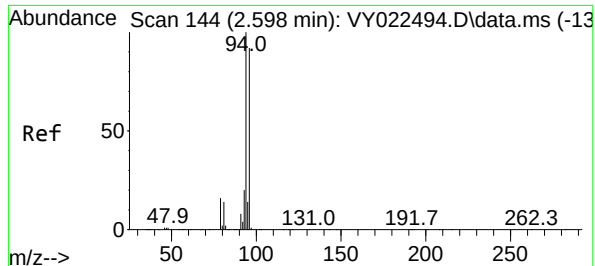


#4
Vinyl Chloride
Concen: 22.195 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38



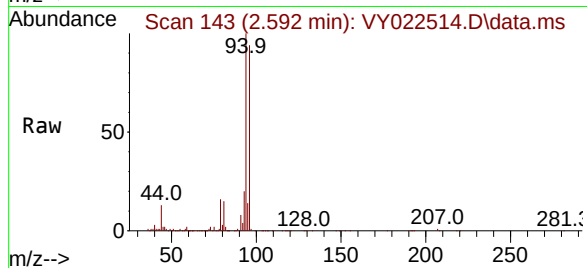
Tgt Ion: 62 Resp: 133679
Ion Ratio Lower Upper
62 100
64 30.6 25.3 37.9





#5
Bromomethane
Concen: 21.200 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

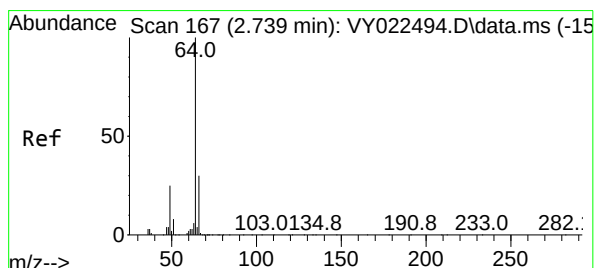
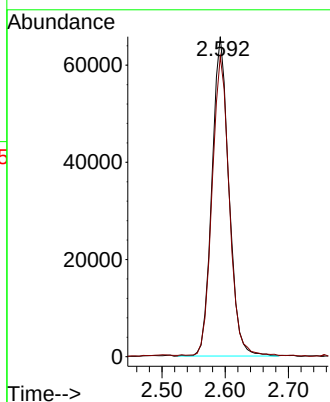
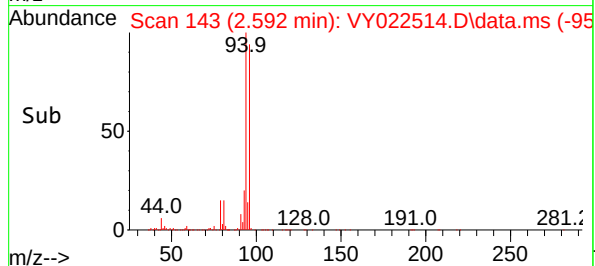
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



Tgt Ion: 94 Resp: 122385
Ion Ratio Lower Upper
94 100
96 93.6 74.0 111.0

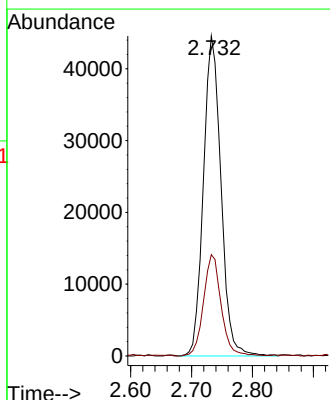
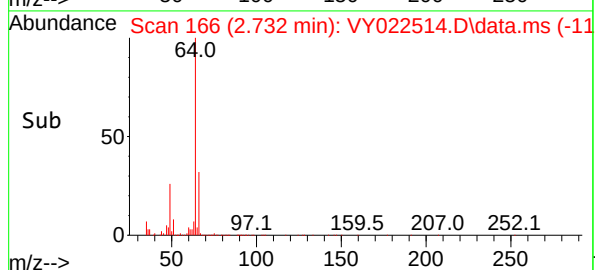
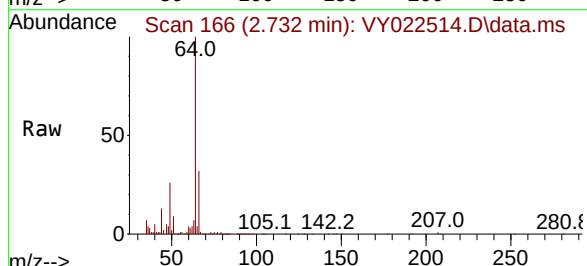
Manual Integrations
APPROVED

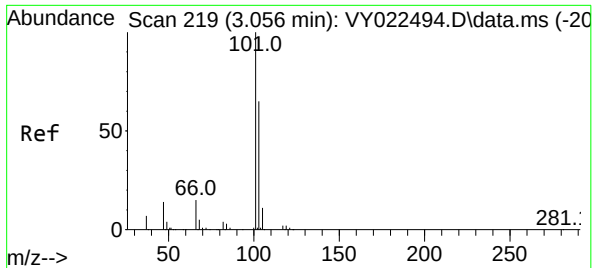
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#6
Chloroethane
Concen: 21.637 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

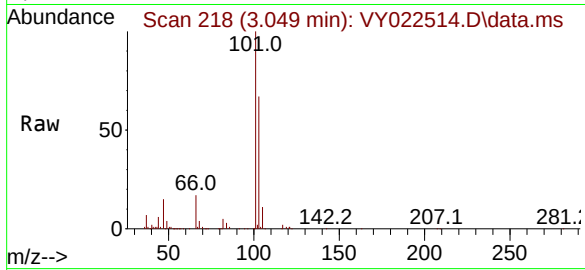
Tgt Ion: 64 Resp: 89448
Ion Ratio Lower Upper
64 100
66 31.6 23.8 35.6





#7
Trichlorofluoromethane
Concen: 21.191 ug/l
RT: 3.049 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

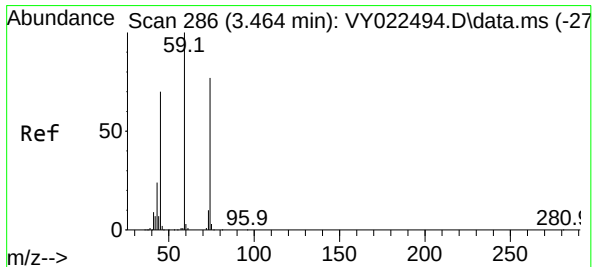
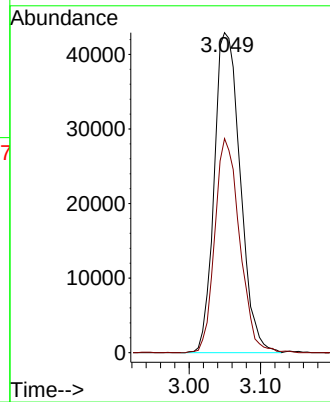
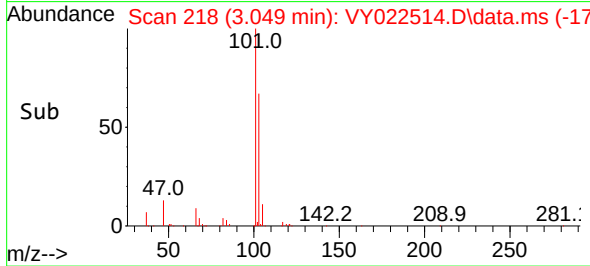
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



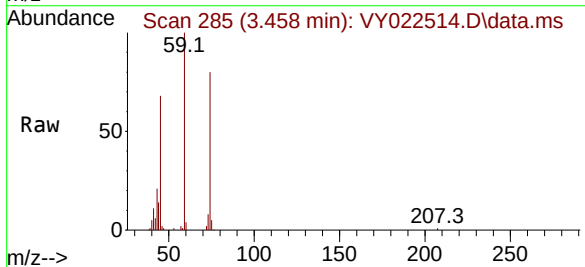
Tgt Ion:101 Resp: 108350
Ion Ratio Lower Upper
101 100
103 66.9 52.2 78.2

Manual Integrations
APPROVED

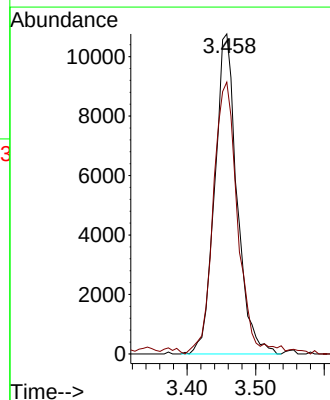
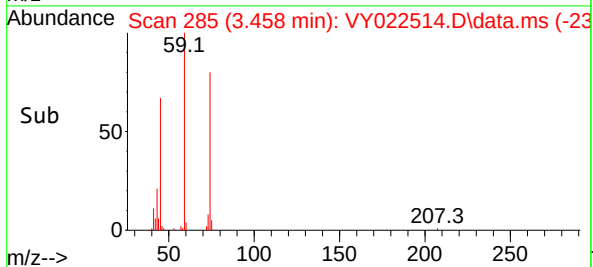
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

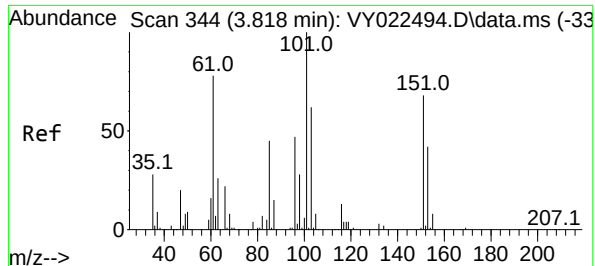


#8
Diethyl Ether
Concen: 21.088 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38



Tgt Ion: 74 Resp: 24283
Ion Ratio Lower Upper
74 100
45 93.5 45.9 137.6





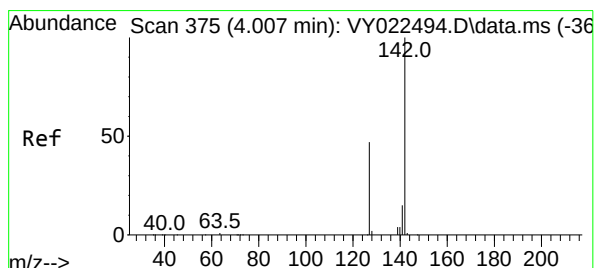
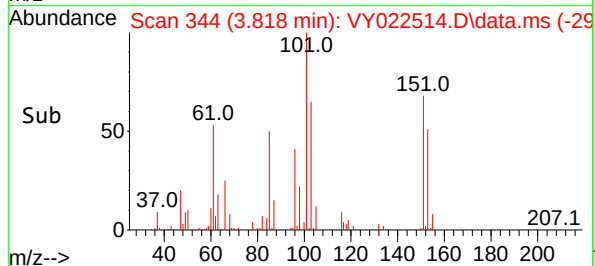
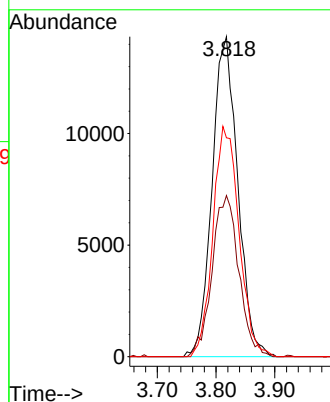
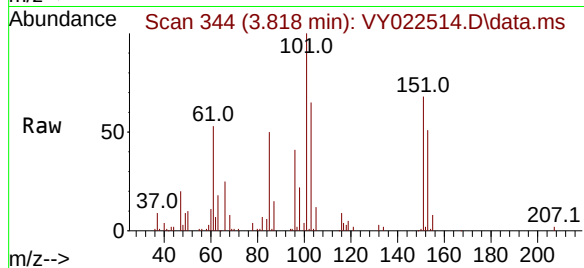
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.203 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Tgt Ion:101 Resp: 43500
Ion Ratio Lower Upper
101 100
85 52.4 39.3 58.9
151 73.4 57.8 86.8

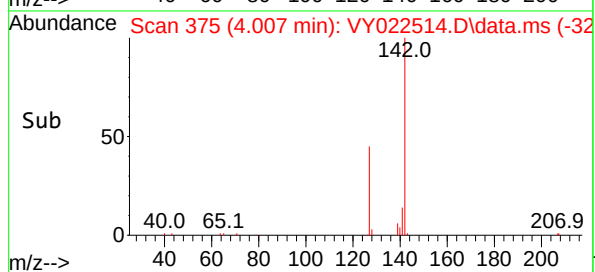
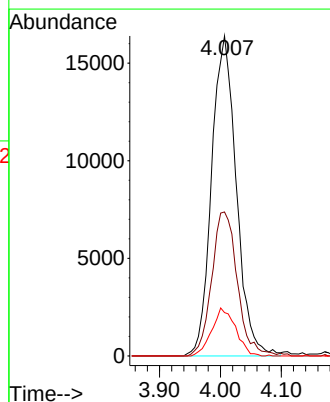
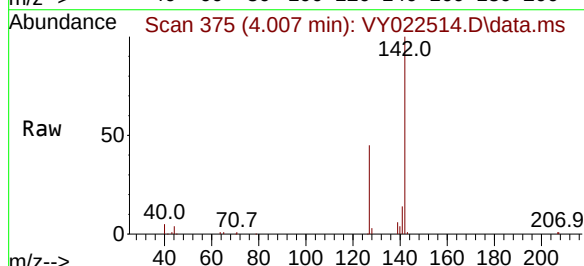
Manual Integrations
APPROVED

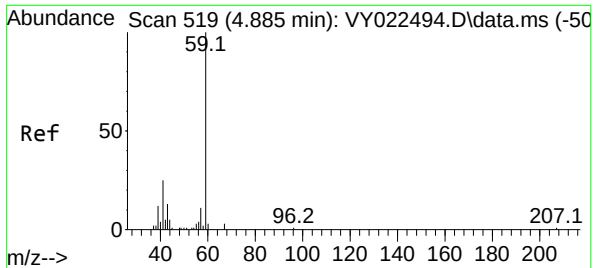
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#10
Methyl Iodide
Concen: 19.853 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Tgt Ion:142 Resp: 46266
Ion Ratio Lower Upper
142 100
127 46.5 37.1 55.7
141 14.5 11.4 17.2





#11

Tert butyl alcohol

Concen: 103.440 ug/l

RT: 4.872 min Scan# 517

Delta R.T. -0.012 min

Lab File: VY022514.D

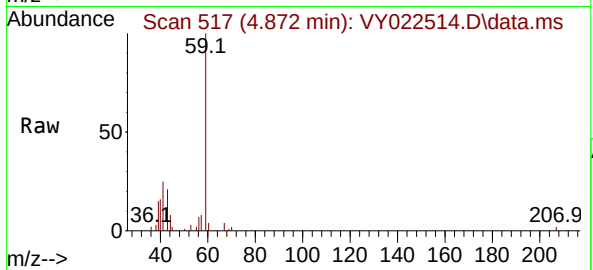
Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01



Tgt Ion: 59 Resp: 16220

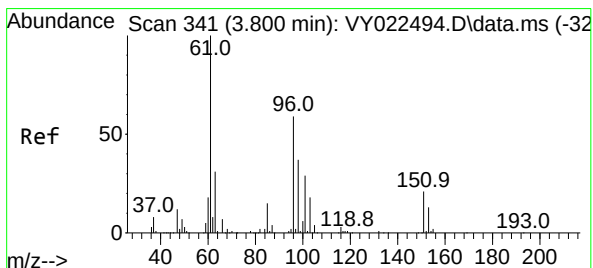
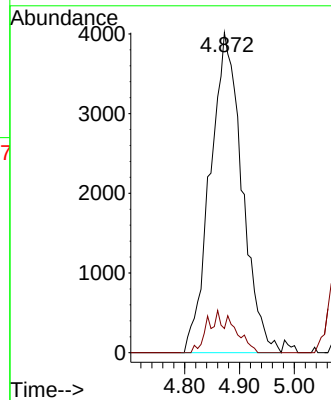
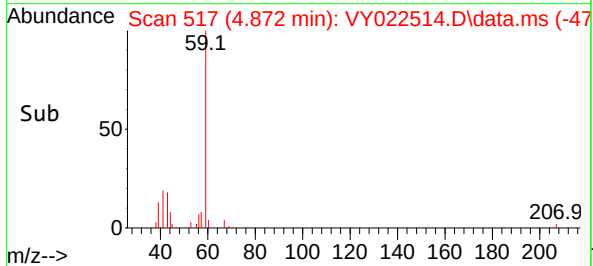
Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#12

1,1-Dichloroethene

Concen: 21.731 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.012 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

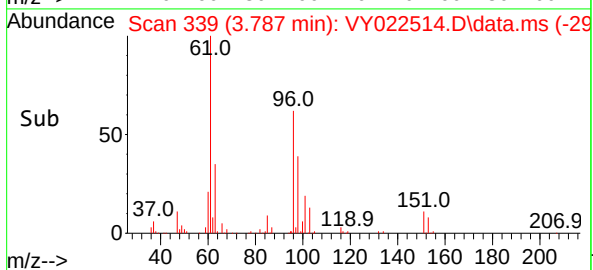
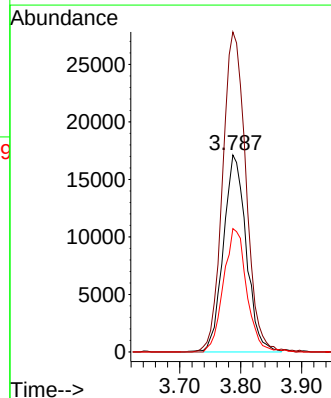
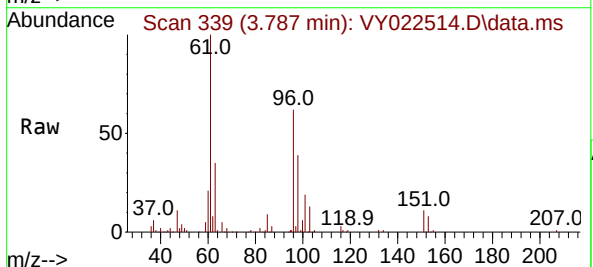
Tgt Ion: 96 Resp: 44732

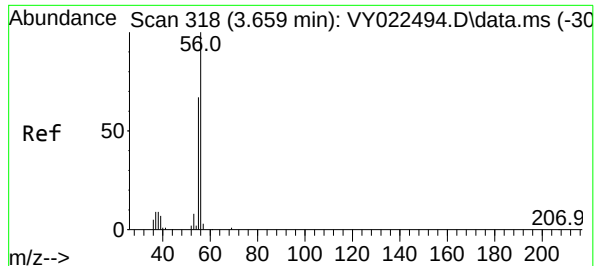
Ion Ratio Lower Upper

96 100

61 162.4 134.6 201.8

98 62.7 50.2 75.4





#13

Acrolein

Concen: 103.612 ug/l

RT: 3.659 min Scan# 318

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 56 Resp: 2024

Ion Ratio Lower Upper

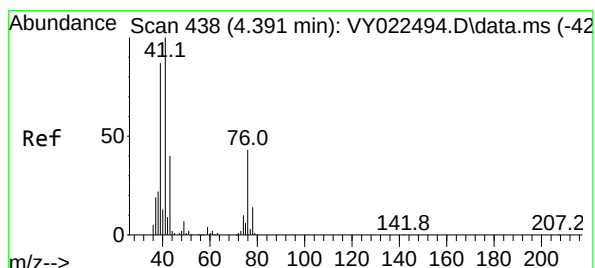
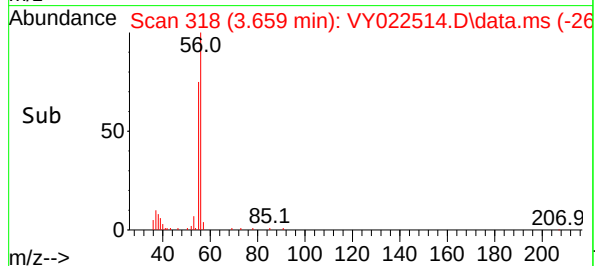
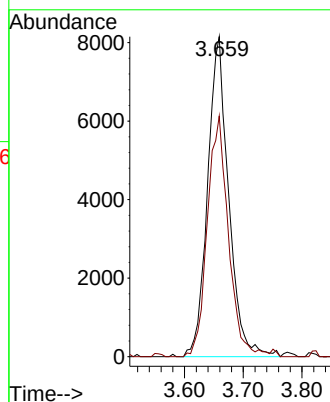
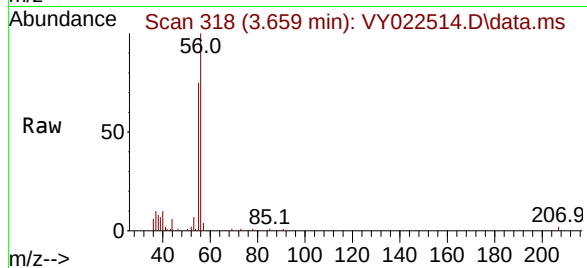
56 100

55 75.4 57.0 85.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#14

Allyl chloride

Concen: 20.650 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

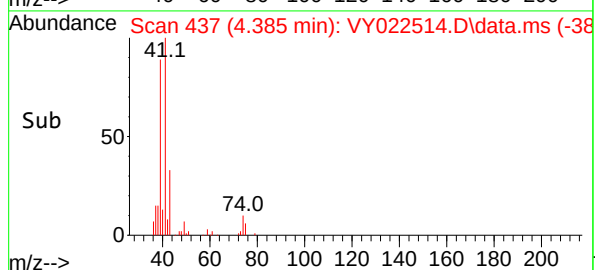
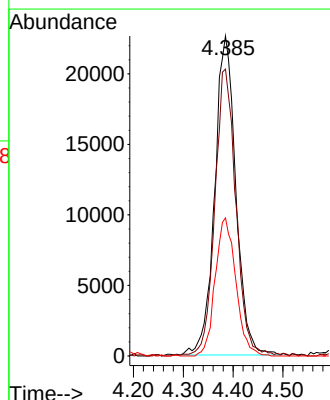
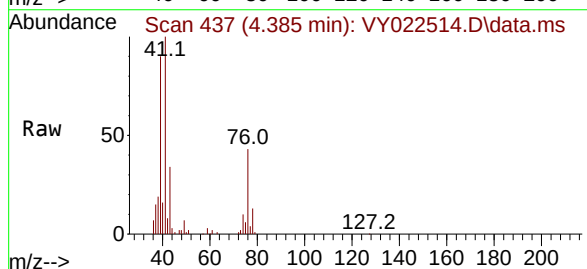
Tgt Ion: 41 Resp: 66730

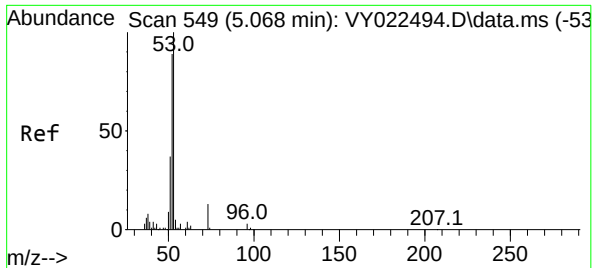
Ion Ratio Lower Upper

41 100

39 89.3 69.1 103.7

76 42.2 33.5 50.3





#15

Acrylonitrile

Concen: 97.686 ug/l

RT: 5.055 min Scan# 549

Delta R.T. -0.012 min

Lab File: VY022514.D

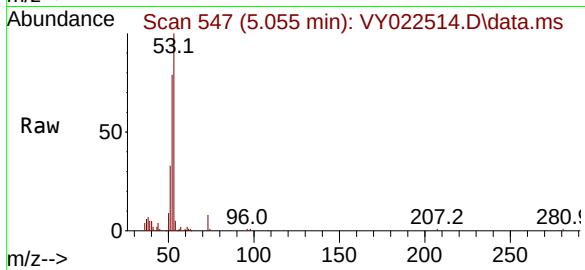
Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBSD01



Tgt Ion: 53 Resp: 47639

Ion Ratio Lower Upper

53 100

52 85.4 65.7 98.5

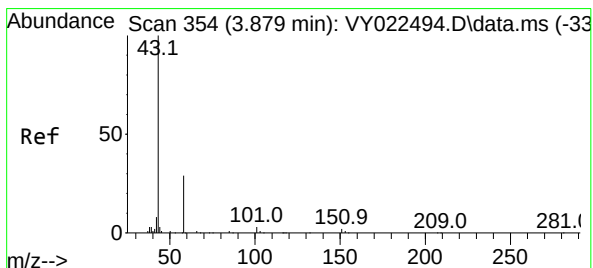
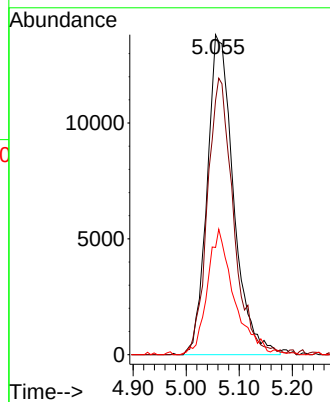
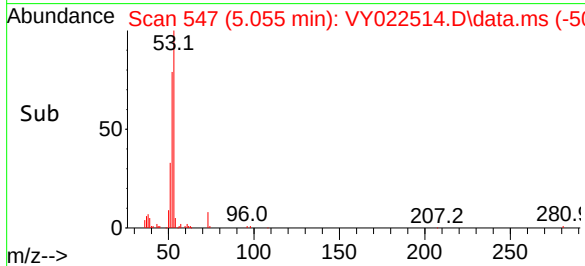
51 39.7 30.1 45.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#16

Acetone

Concen: 115.345 ug/l

RT: 3.879 min Scan# 354

Delta R.T. -0.000 min

Lab File: VY022514.D

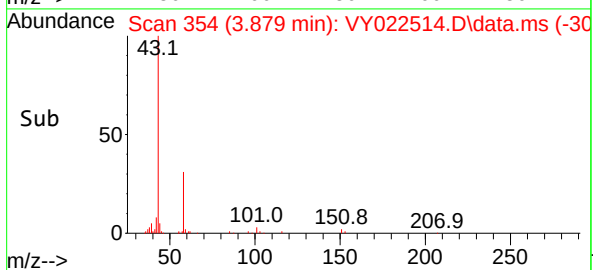
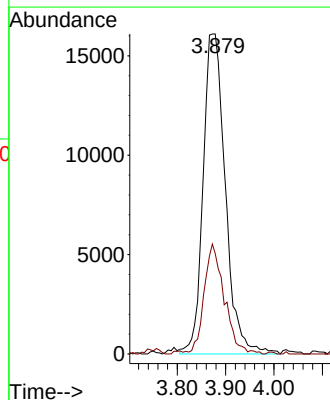
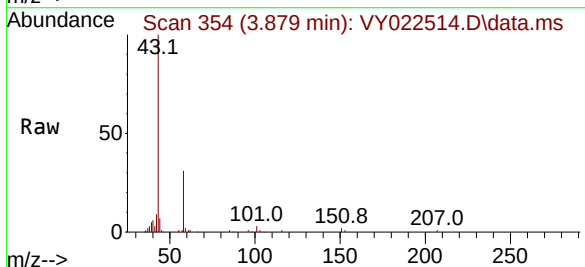
Acq: 03 Jun 2025 11:38

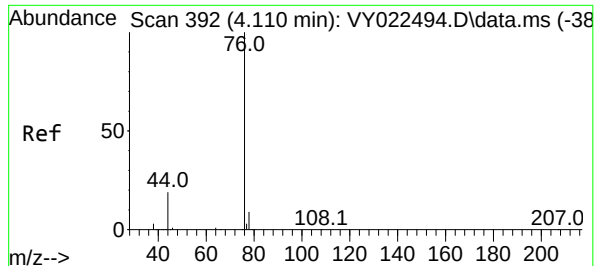
Tgt Ion: 43 Resp: 51428

Ion Ratio Lower Upper

43 100

58 31.3 24.0 36.0





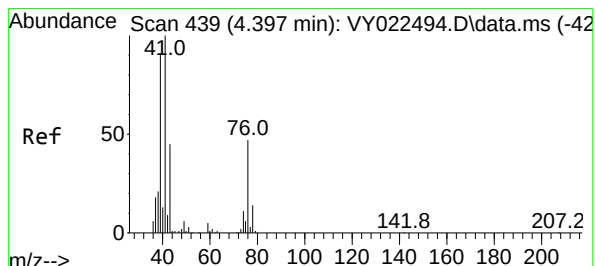
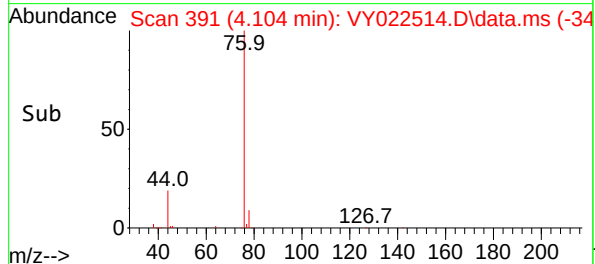
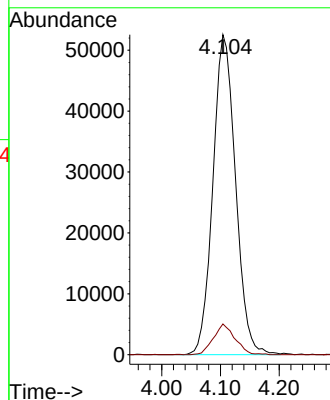
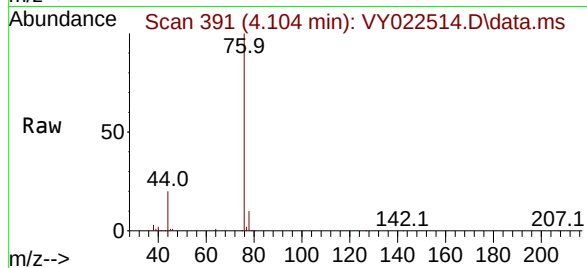
#17
Carbon Disulfide
Concen: 21.348 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Tgt Ion: 76 Resp: 140692
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2

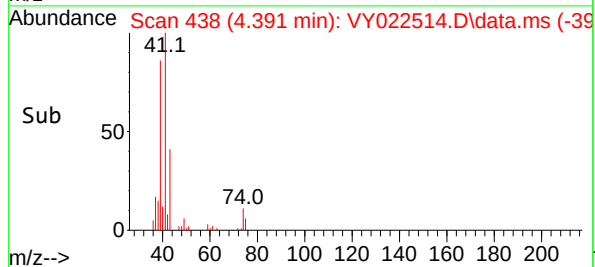
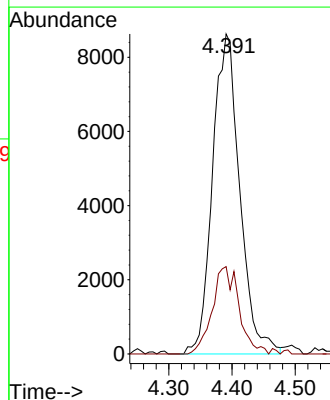
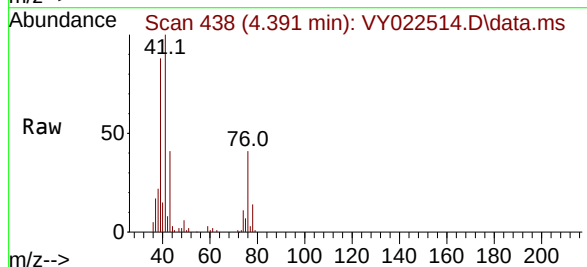
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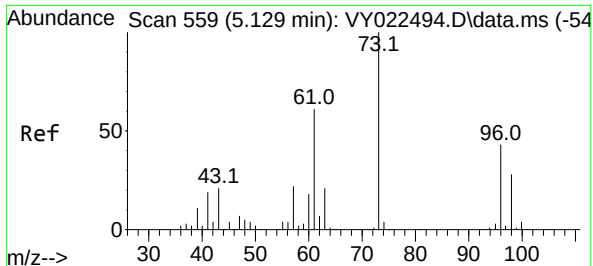
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#18
Methyl Acetate
Concen: 19.498 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Tgt Ion: 43 Resp: 25743
Ion Ratio Lower Upper
43 100
74 26.8 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 20.454 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 73 Resp: 11858

Ion Ratio Lower Upper

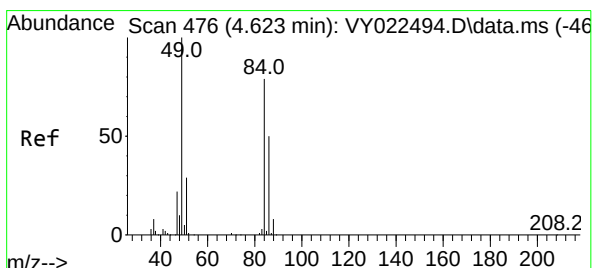
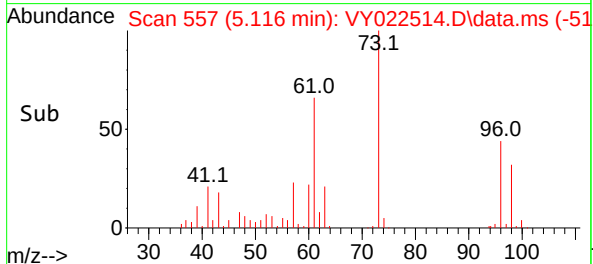
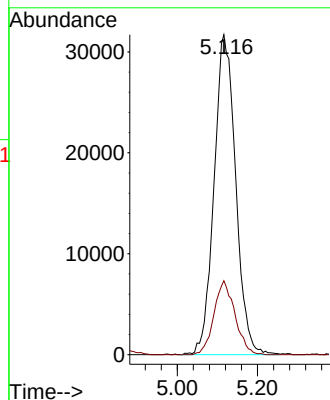
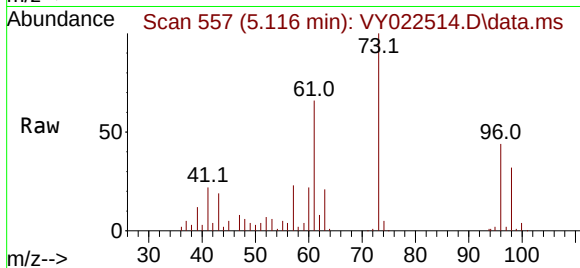
73 100

57 23.1 17.4 26.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#20

Methylene Chloride

Concen: 19.308 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Tgt Ion: 84 Resp: 48900

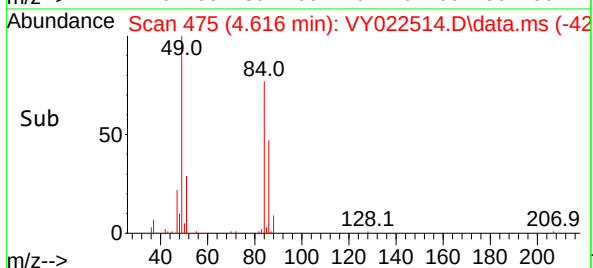
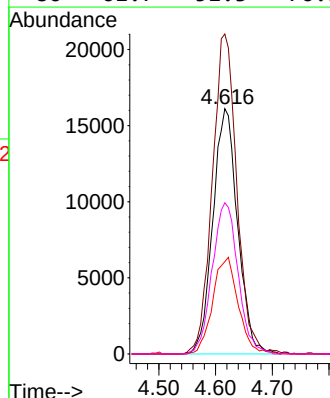
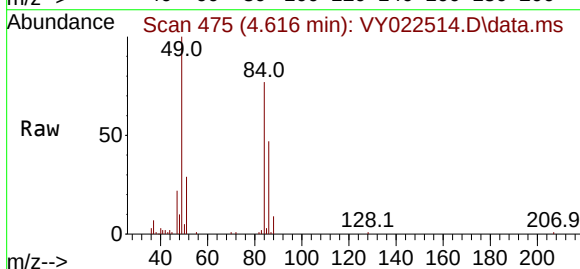
Ion Ratio Lower Upper

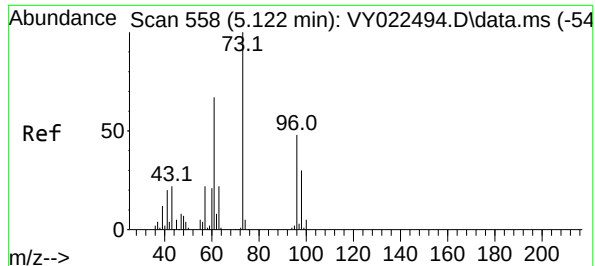
84 100

49 130.5 101.9 152.9

51 37.6 29.8 44.8

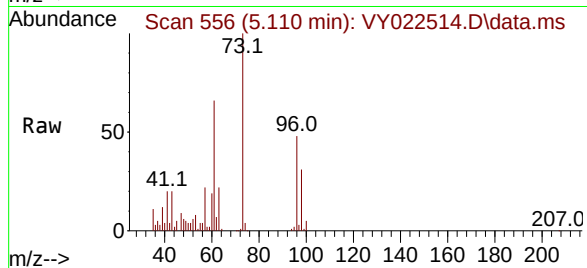
86 61.7 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 20.897 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. -0.012 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

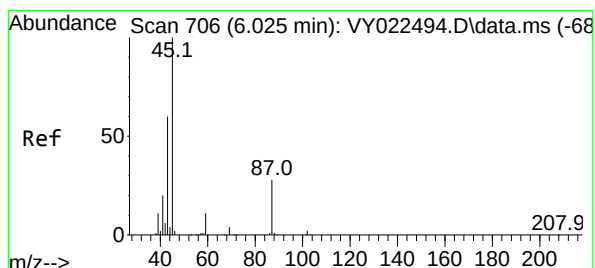
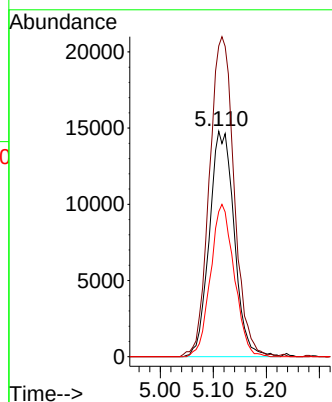
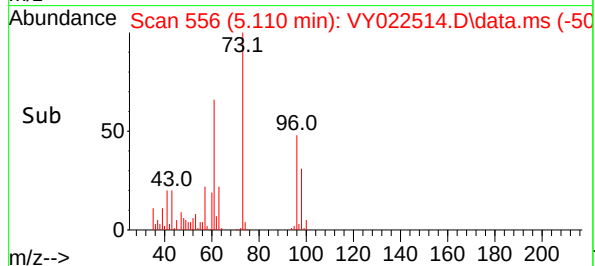
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion: 96 Resp: 48144
Ion Ratio Lower Upper
96 100
61 137.9 112.6 169.0
98 64.4 50.6 75.8

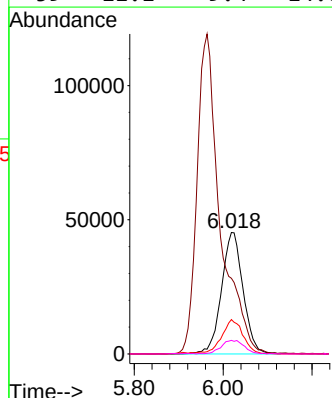
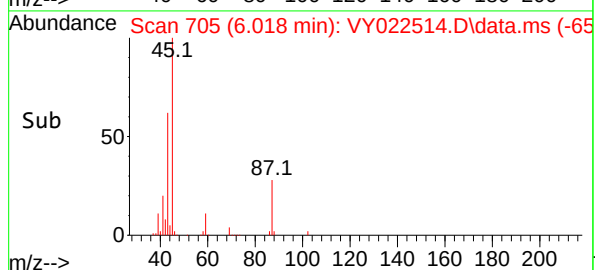
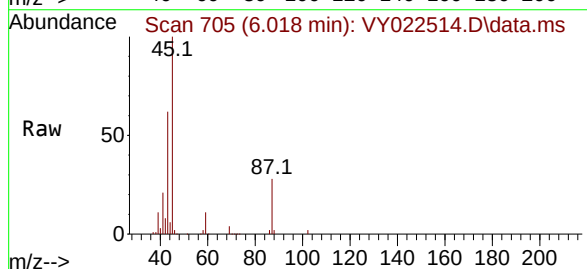
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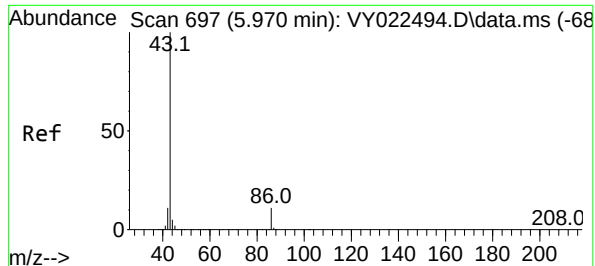
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#22
Diisopropyl ether
Concen: 21.175 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Tgt Ion: 45 Resp: 152316
Ion Ratio Lower Upper
45 100
43 61.6 48.3 72.5
87 28.3 23.0 34.6
59 11.1 9.4 14.0





#23

Vinyl Acetate

Concen: 101.150 ug/l

RT: 5.964 min Scan# 697

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 43 Resp: 430630

Ion Ratio Lower Upper

43

100

86

11.2

8.6

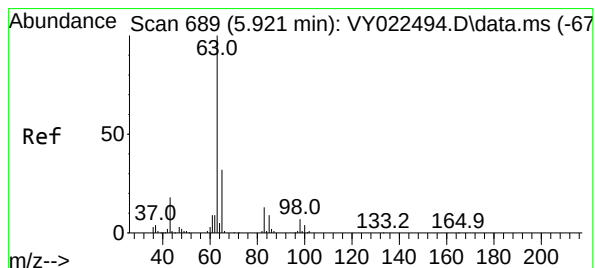
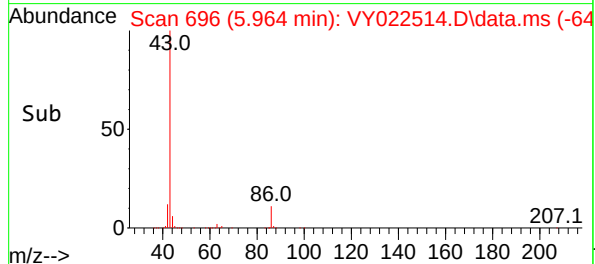
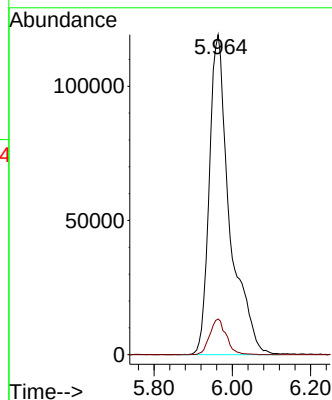
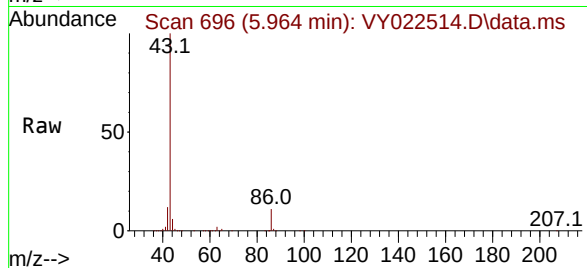
12.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#24

1,1-Dichloroethane

Concen: 21.074 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Tgt Ion: 63 Resp: 89303

Ion Ratio Lower Upper

63

100

98

7.8

3.4

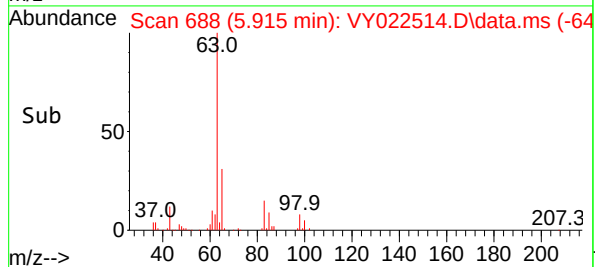
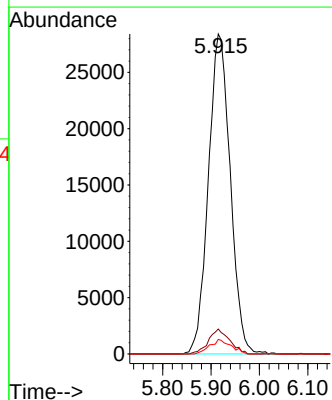
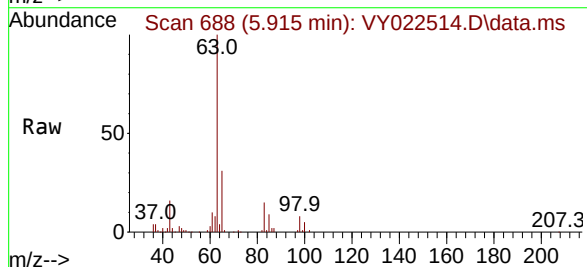
10.1

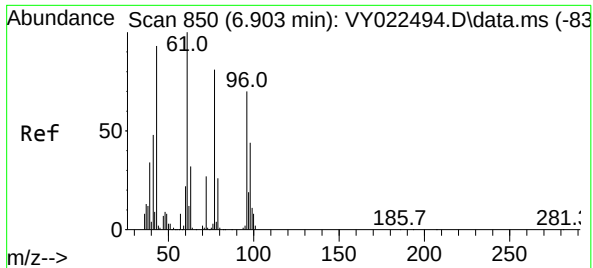
100

4.6

2.1

6.3





#25

2-Butanone

Concen: 107.575 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBSD01

Tgt Ion: 43 Resp: 6918

Ion Ratio Lower Upper

43

100

72

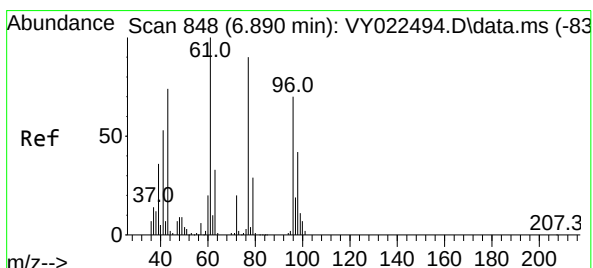
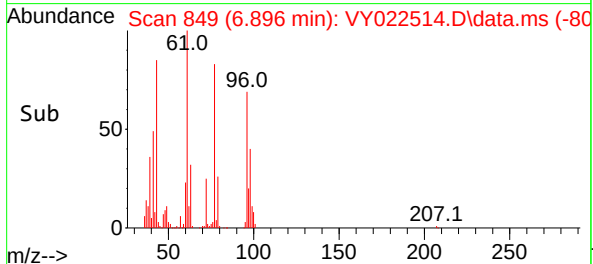
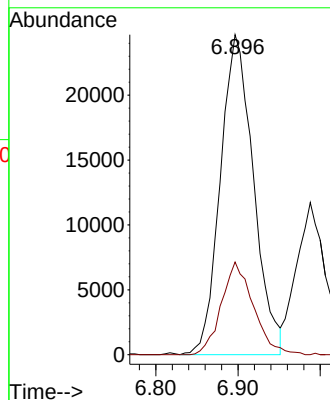
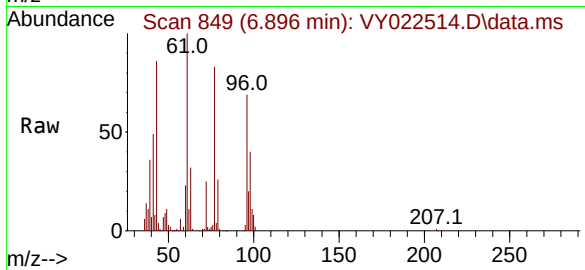
28.9

22.9

34.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#26

2,2-Dichloropropane

Concen: 21.464 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Tgt Ion: 77 Resp: 80364

Ion Ratio Lower Upper

77

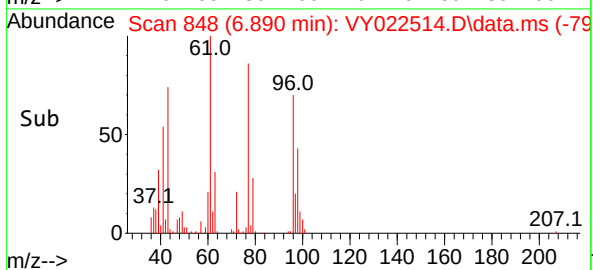
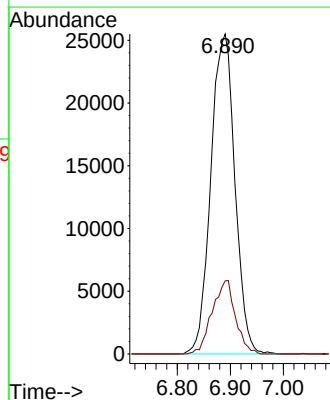
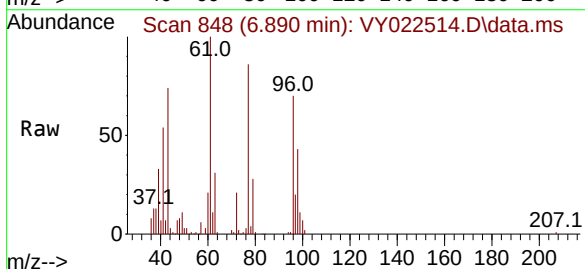
100

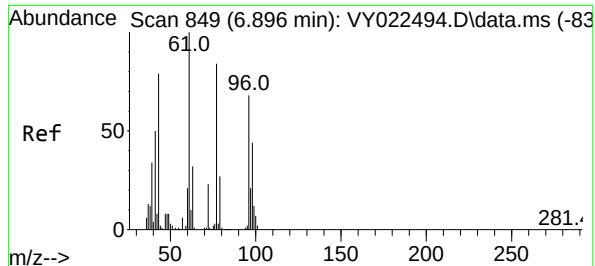
97

22.2

11.4

34.2





#27

cis-1,2-Dichloroethene

Concen: 21.440 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 96 Resp: 5709

Ion Ratio Lower Upper

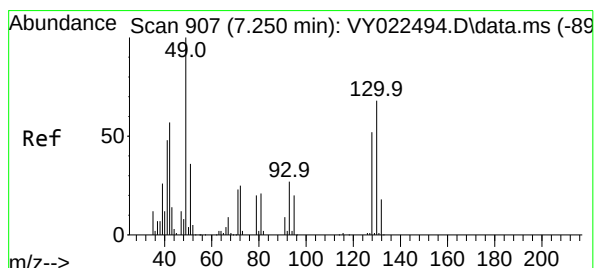
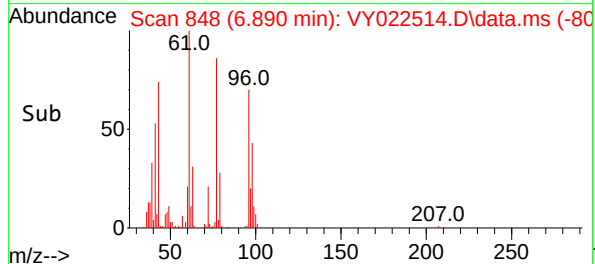
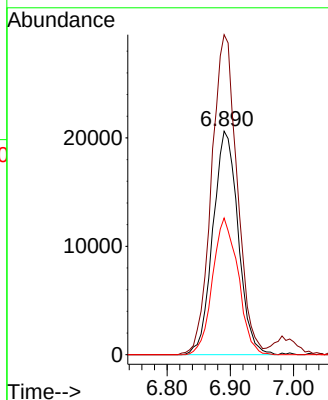
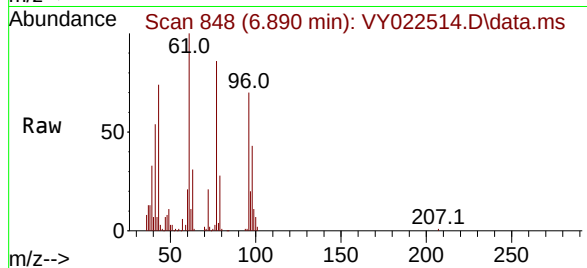
96 100

61 145.1 0.0 290.0

98 61.8 0.0 128.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#28

Bromochloromethane

Concen: 20.841 ug/l

RT: 7.250 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

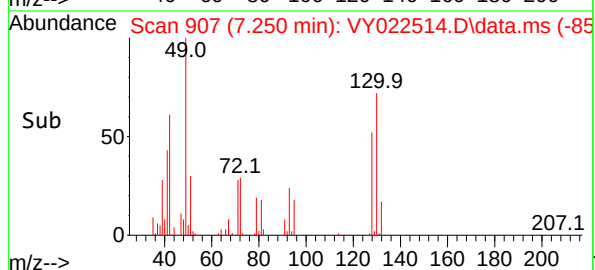
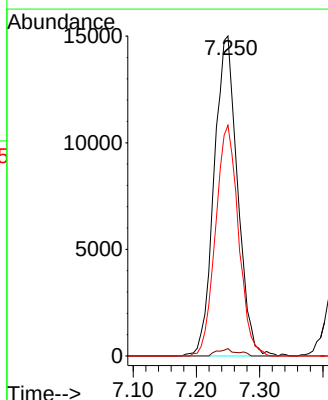
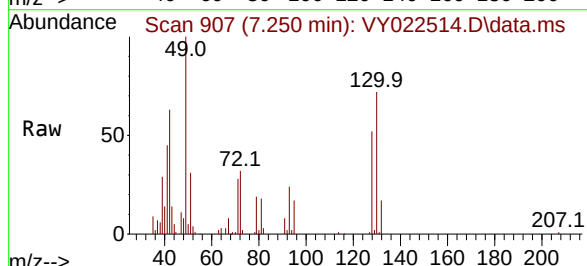
Tgt Ion: 49 Resp: 38497

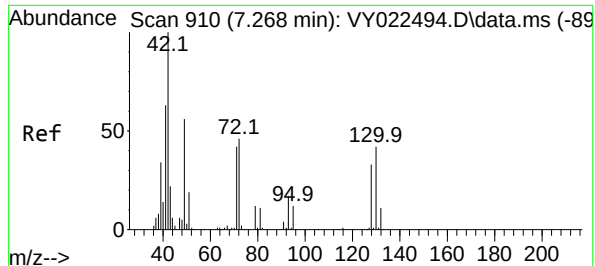
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

130 70.6 55.7 83.5





#29

Tetrahydrofuran

Concen: 94.187 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBSD01

Tgt Ion: 42 Resp: 39069

Ion Ratio Lower Upper

42 100

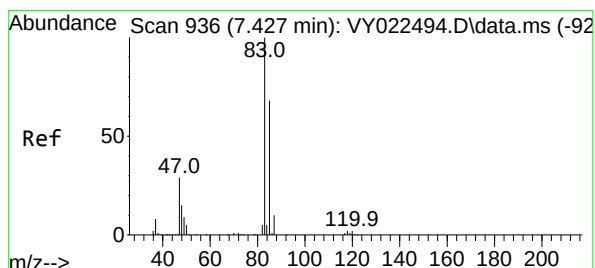
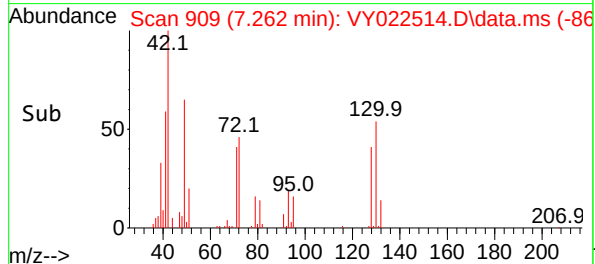
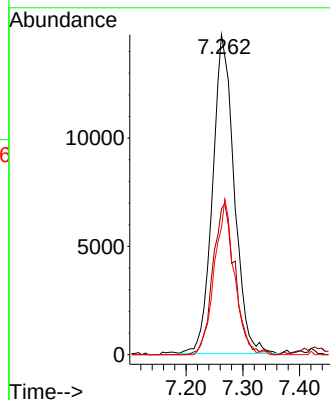
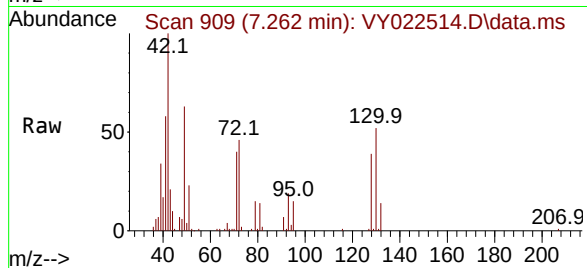
72 48.3 37.4 56.2

71 45.3 34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#30

Chloroform

Concen: 21.576 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.006 min

Lab File: VY022514.D

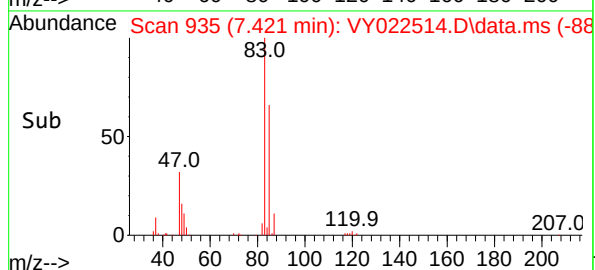
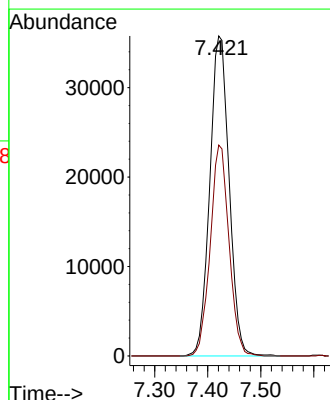
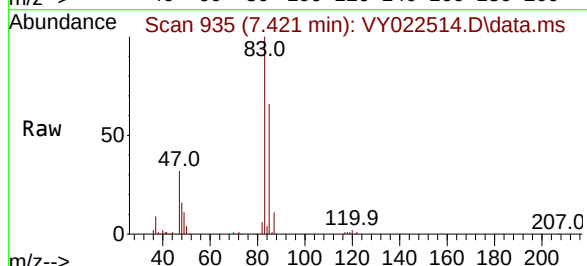
Acq: 03 Jun 2025 11:38

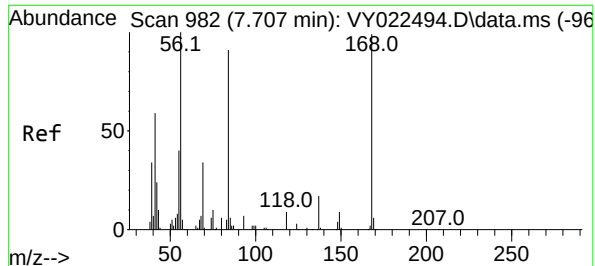
Tgt Ion: 83 Resp: 90558

Ion Ratio Lower Upper

83 100

85 65.9 54.2 81.4





#31

Cyclohexane

Concen: 19.710 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBSD01

Tgt Ion: 56 Resp: 83149

Ion Ratio Lower Upper

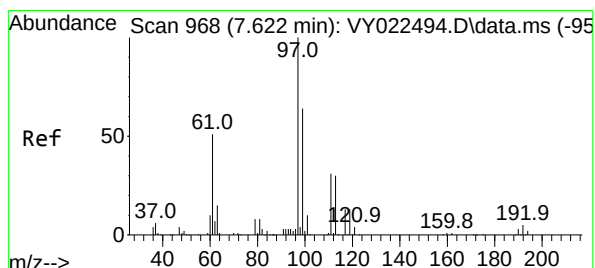
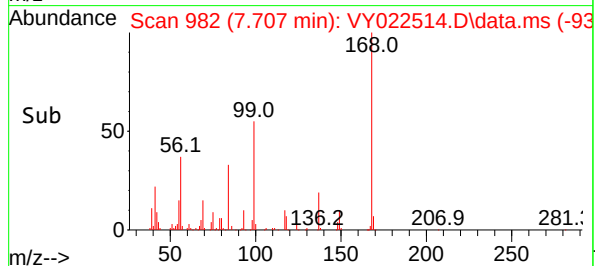
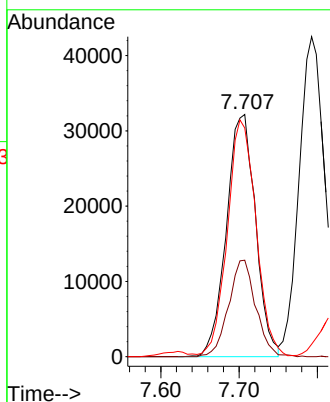
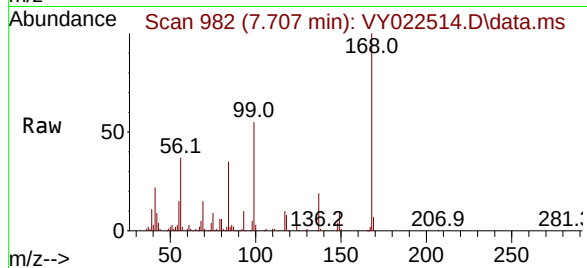
56 100

69 39.9 27.0 40.6

84 92.2 72.6 109.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#32

1,1,1-Trichloroethane

Concen: 21.159 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

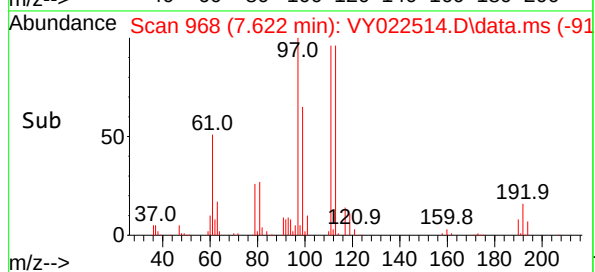
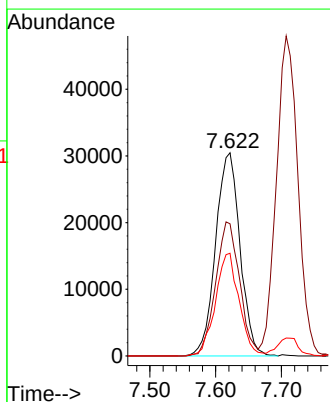
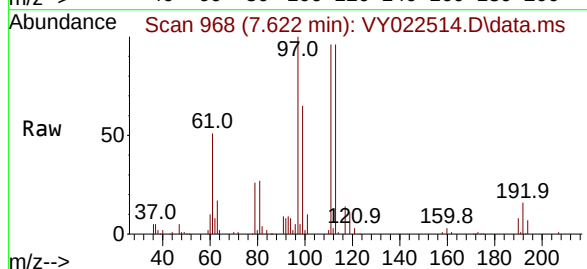
Tgt Ion: 97 Resp: 78839

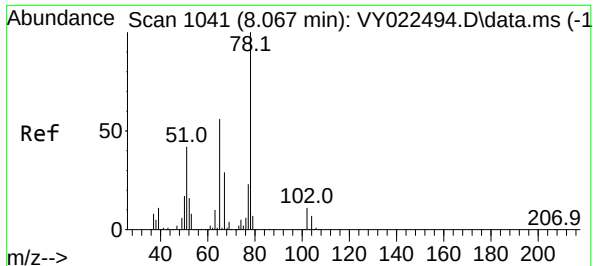
Ion Ratio Lower Upper

97 100

99 64.8 50.9 76.3

61 49.1 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 50.655 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 65 Resp: 11121

Ion Ratio Lower Upper

65 100

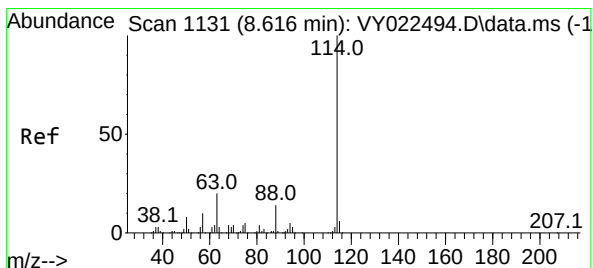
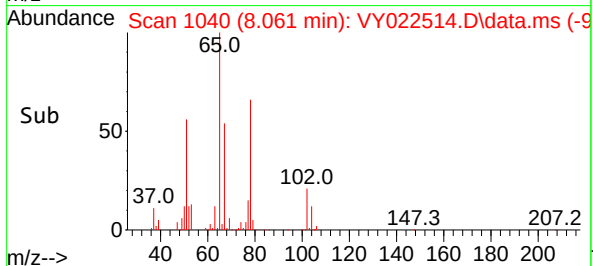
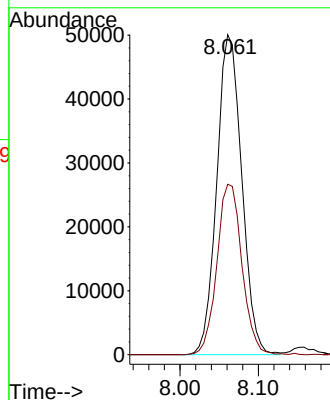
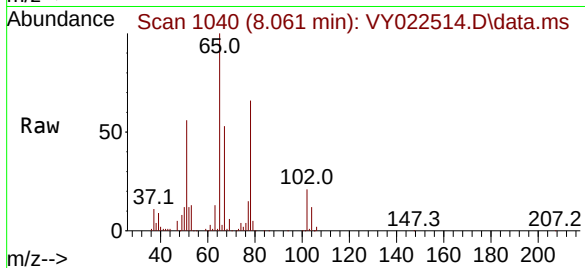
67 53.3 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

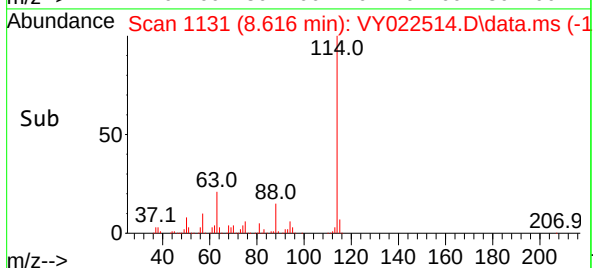
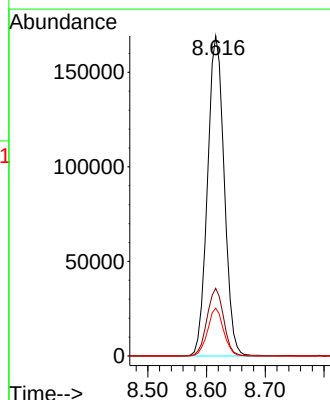
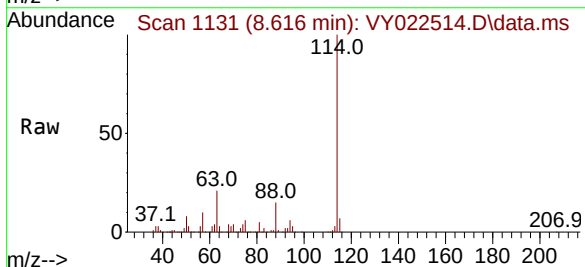
Tgt Ion:114 Resp: 333757

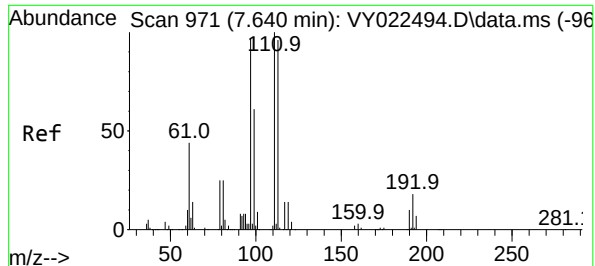
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 14.9 0.0 27.8





#35

Dibromofluoromethane

Concen: 51.473 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBSD01

Tgt Ion:113 Resp: 102540

Ion Ratio Lower Upper

113 100

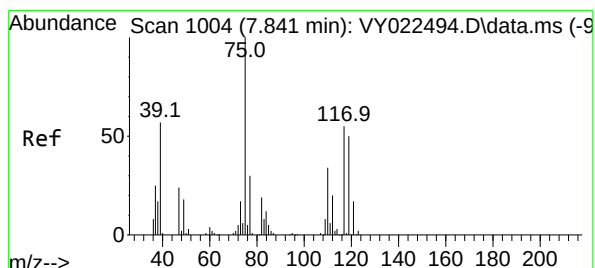
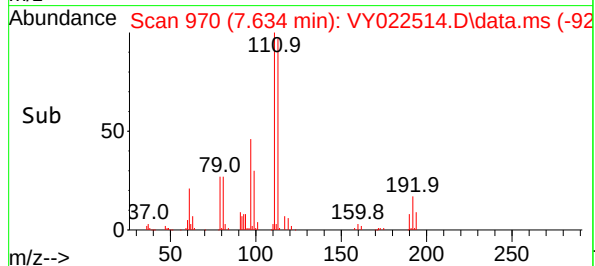
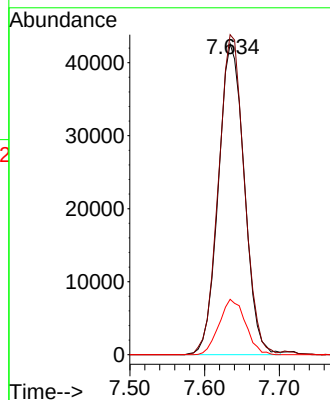
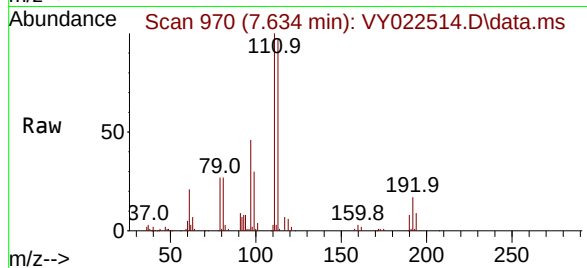
111 102.5 81.1 121.7

192 18.1 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#36

1,1-Dichloropropene

Concen: 20.845 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

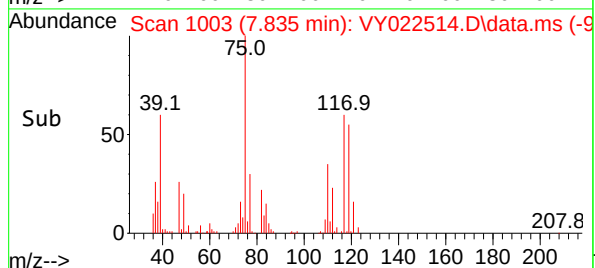
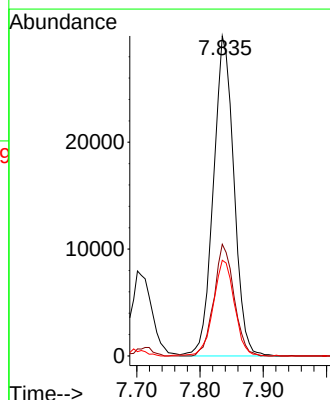
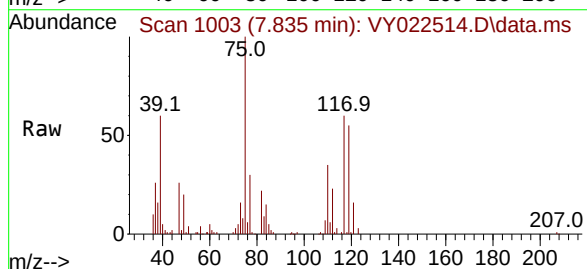
Tgt Ion: 75 Resp: 67396

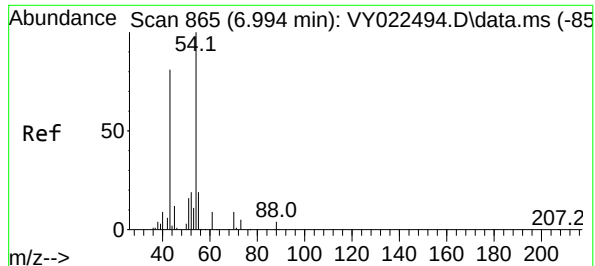
Ion Ratio Lower Upper

75 100

110 34.2 16.9 50.7

77 30.9 24.8 37.2





#37

Ethyl Acetate

Concen: 20.551 ug/l

RT: 6.988 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 43 Resp: 2963

Ion Ratio Lower Upper

43 100

61 13.8 11.5 17.3

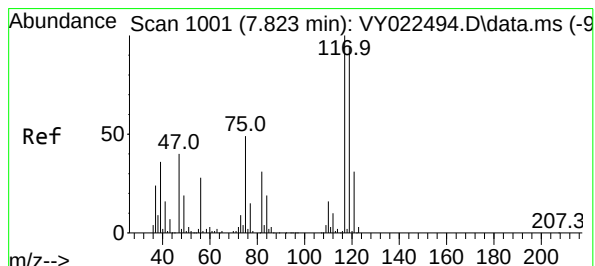
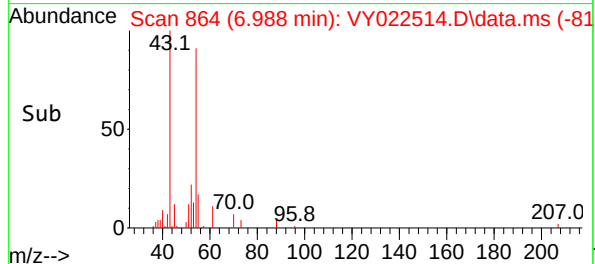
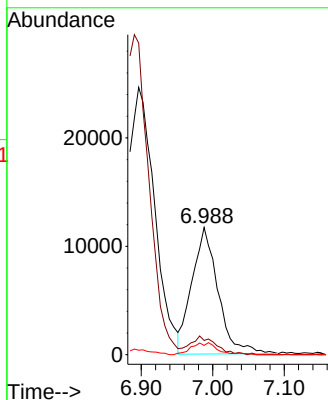
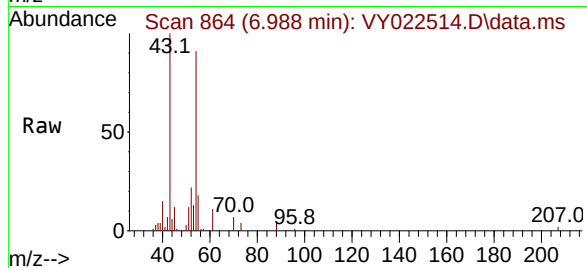
70 9.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#38

Carbon Tetrachloride

Concen: 20.862 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

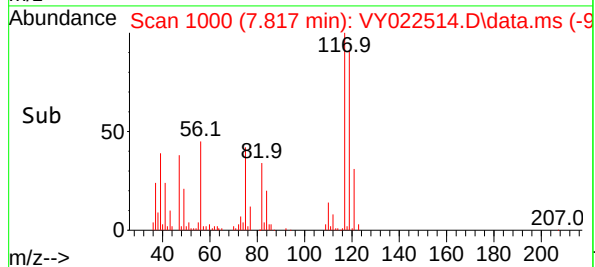
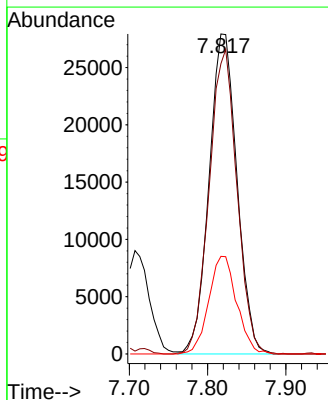
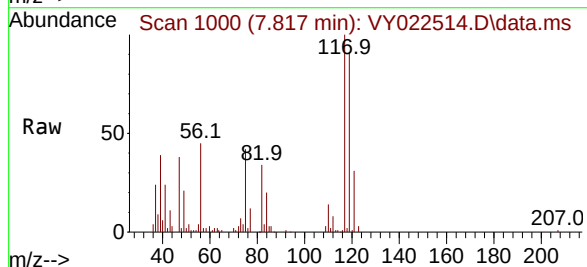
Tgt Ion:117 Resp: 69195

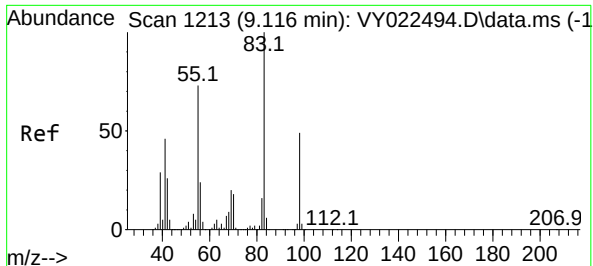
Ion Ratio Lower Upper

117 100

119 90.7 75.0 112.6

121 30.5 25.0 37.4





#39

Methylcyclohexane

Concen: 20.323 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022514.D

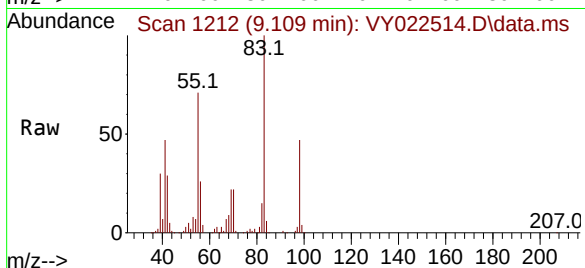
Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01



Tgt Ion: 83 Resp: 8830

Ion Ratio Lower Upper

83 100

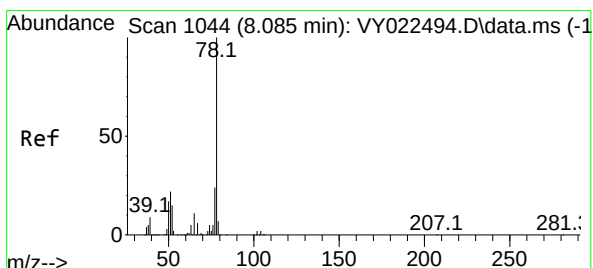
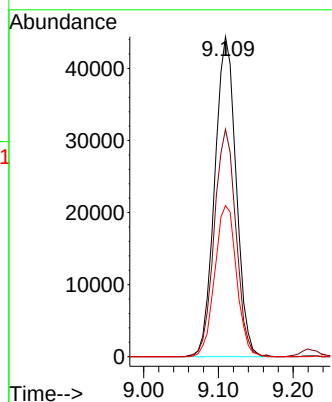
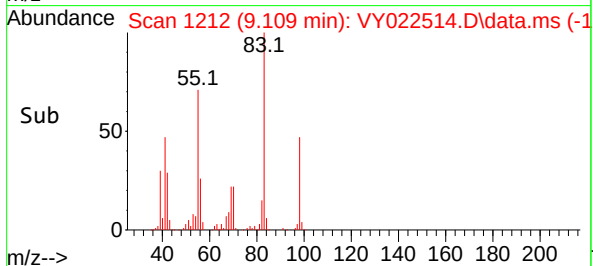
55 71.1 58.1 87.1

98 47.2 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#40

Benzene

Concen: 21.041 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VY022514.D

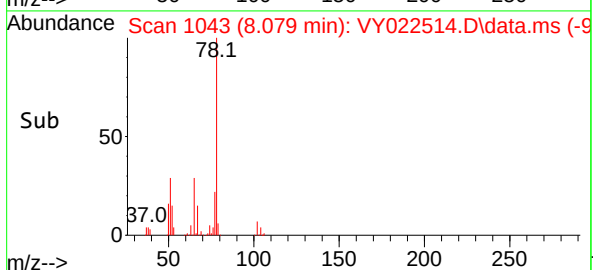
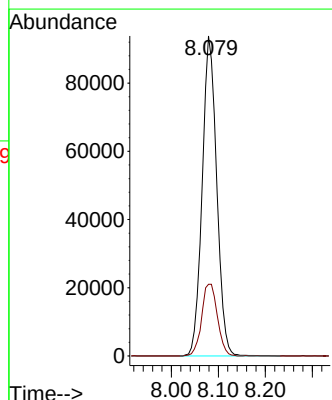
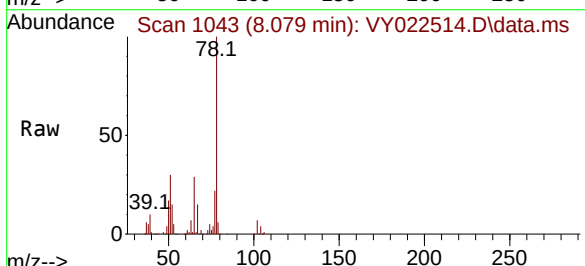
Acq: 03 Jun 2025 11:38

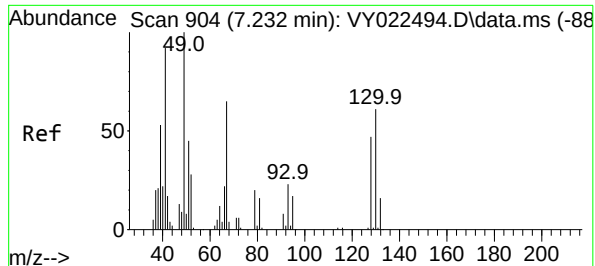
Tgt Ion: 78 Resp: 200930

Ion Ratio Lower Upper

78 100

77 22.4 19.3 28.9





#41

Methacrylonitrile

Concen: 18.228 ug/l m

RT: 7.219 min Scan# 904

Delta R.T. -0.012 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBSD01

Tgt Ion: 41 Resp: 15352

Ion Ratio Lower Upper

41 100

39 58.4 46.6 69.8

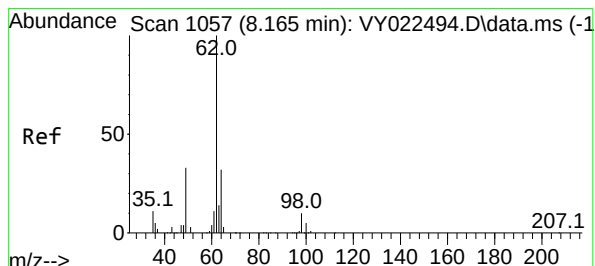
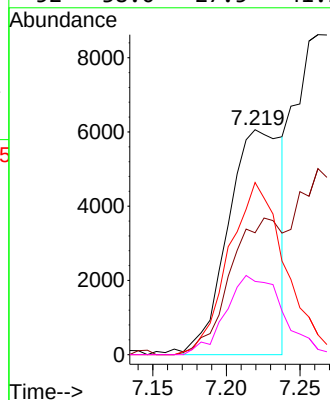
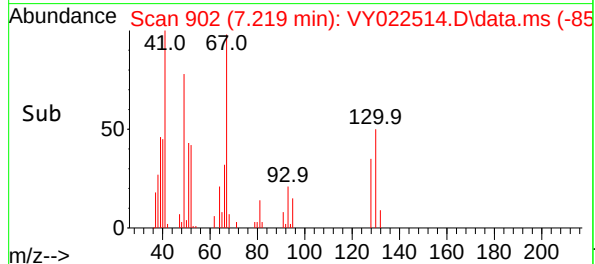
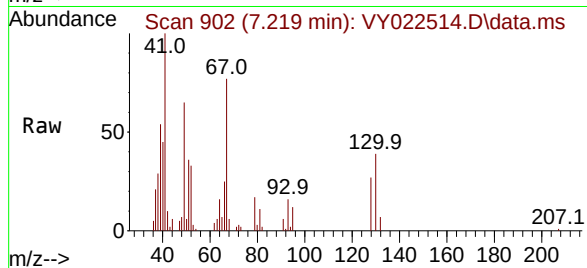
67 81.2 63.3 94.9

52 38.0 27.5 41.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#42

1,2-Dichloroethane

Concen: 21.007 ug/l

RT: 8.164 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VY022514.D

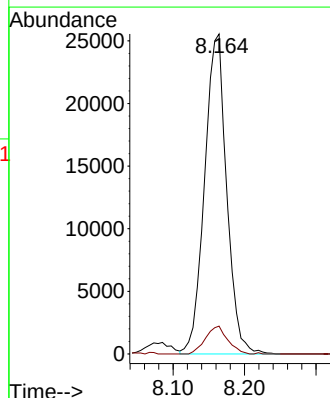
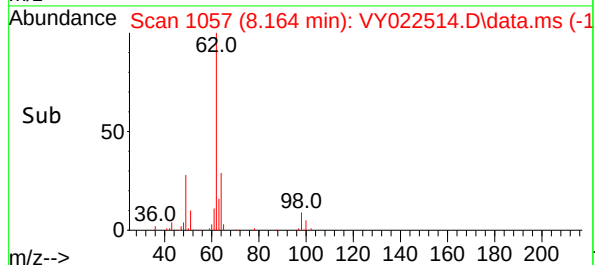
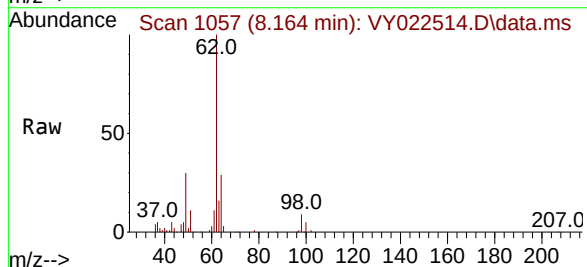
Acq: 03 Jun 2025 11:38

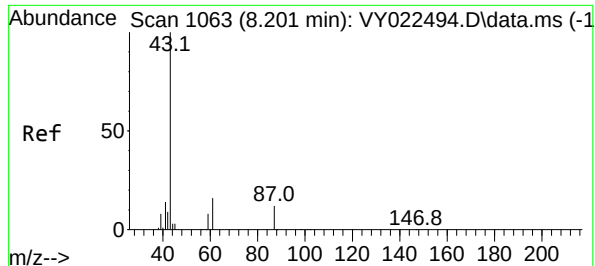
Tgt Ion: 62 Resp: 54776

Ion Ratio Lower Upper

62 100

98 8.7 0.0 19.2





#43

Isopropyl Acetate

Concen: 19.728 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 43 Resp: 6143

Ion Ratio Lower Upper

43 100

61 18.4 15.6 23.4

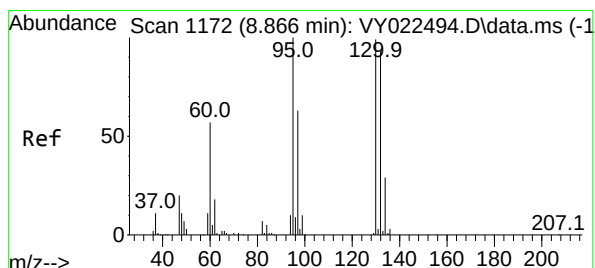
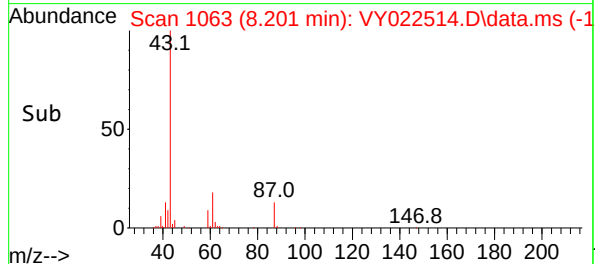
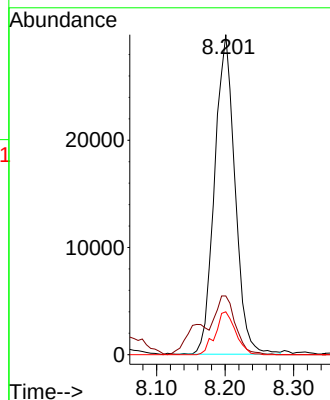
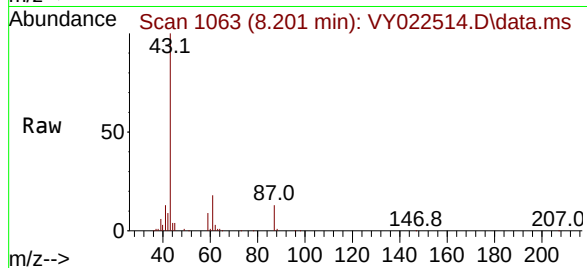
87 13.4 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#44

Trichloroethene

Concen: 21.548 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY022514.D

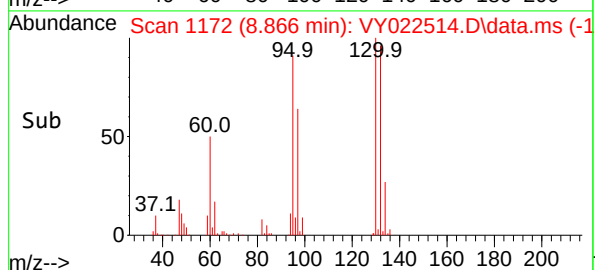
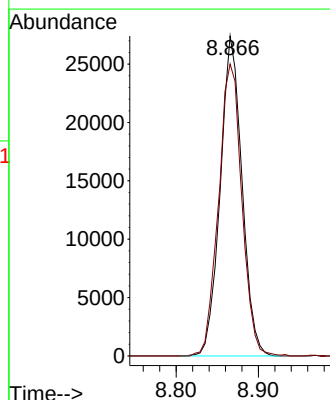
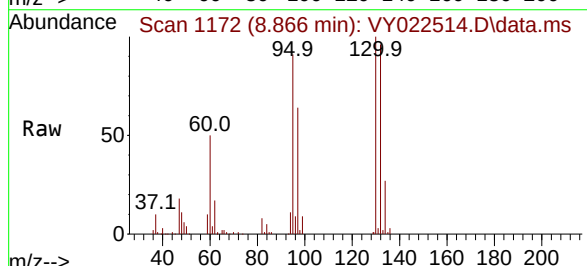
Acq: 03 Jun 2025 11:38

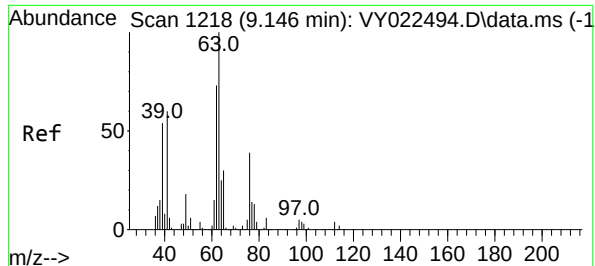
Tgt Ion:130 Resp: 50293

Ion Ratio Lower Upper

130 100

95 91.3 0.0 203.0





#45

1,2-Dichloropropane

Concen: 20.665 ug/l

RT: 9.140 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 63 Resp: 46638

Ion Ratio Lower Upper

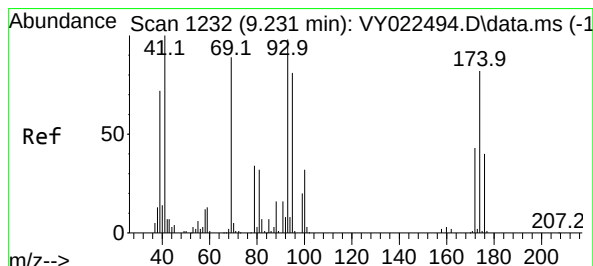
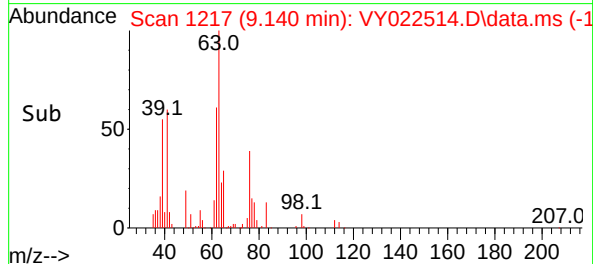
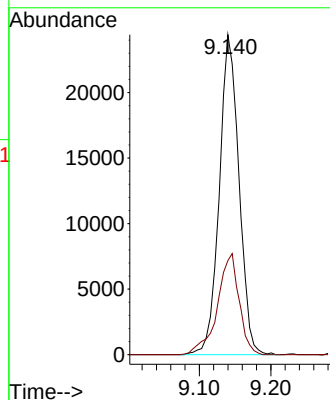
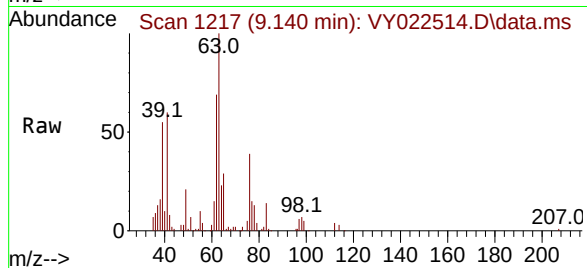
63 100

65 29.4 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#46

Dibromomethane

Concen: 20.051 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

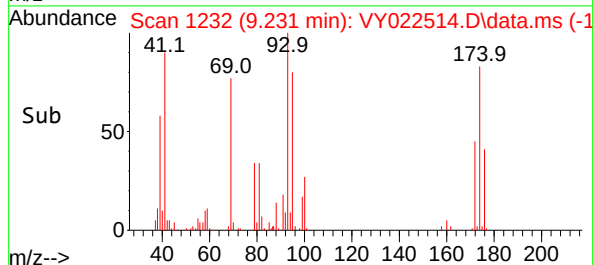
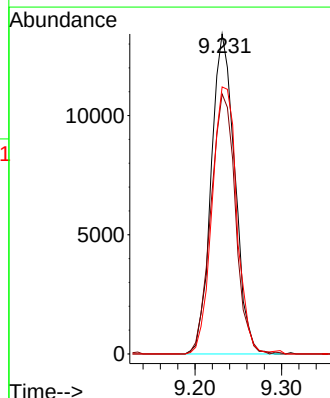
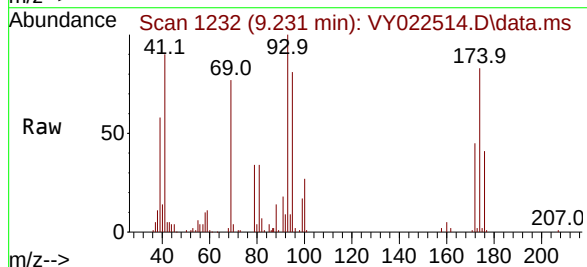
Tgt Ion: 93 Resp: 25459

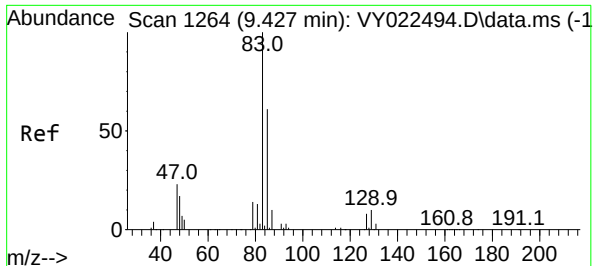
Ion Ratio Lower Upper

93 100

95 84.5 65.6 98.4

174 87.0 70.4 105.6





#47

Bromodichloromethane

Concen: 20.989 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

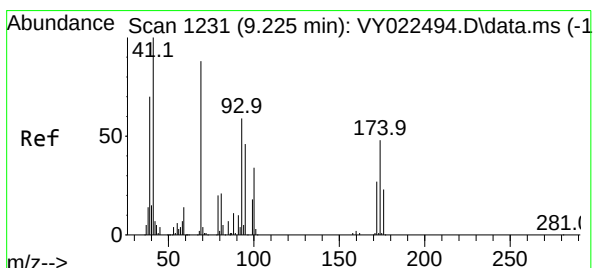
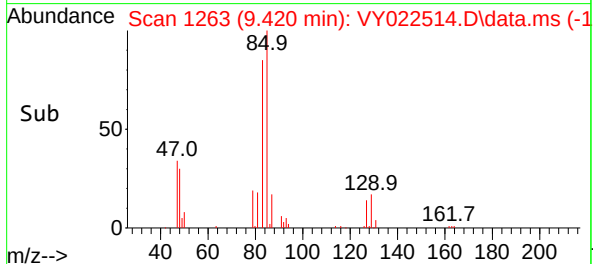
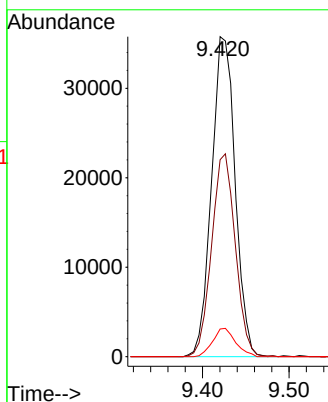
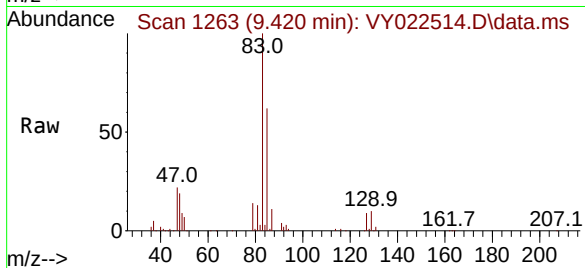
VY0603SBSD01

Tgt Ion:	83	Resp:	6757
Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.1	73.7
127	8.7	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#48

Methyl methacrylate

Concen: 19.815 ug/l

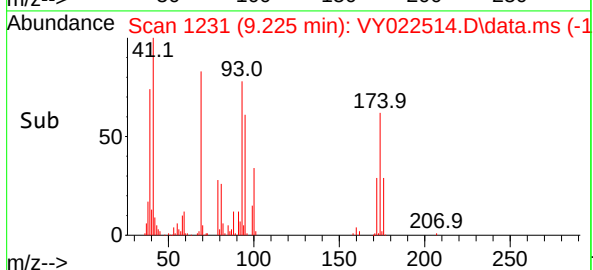
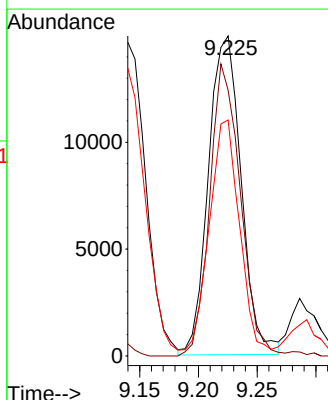
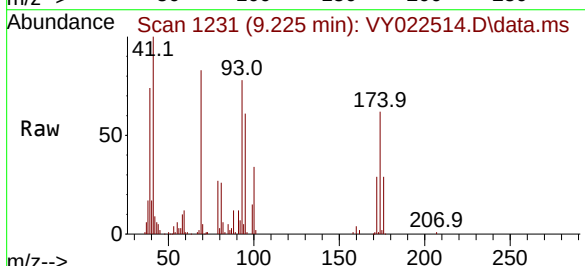
RT: 9.225 min Scan# 1231

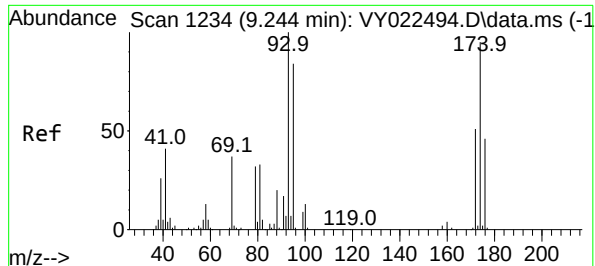
Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Tgt Ion:	41	Resp:	28959
Ion	Ratio	Lower	Upper
41	100		
69	85.3	67.8	101.8
39	65.7	55.0	82.4





#49

1,4-Dioxane

Concen: 380.729 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBSD01

Tgt Ion: 88 Resp: 572

Ion Ratio Lower Upper

88 100

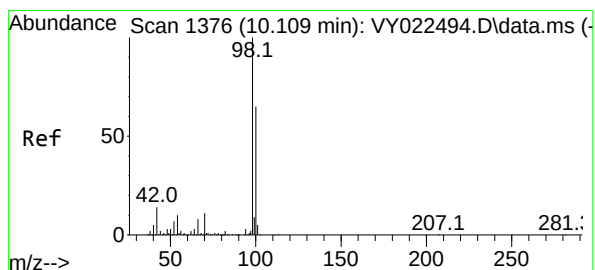
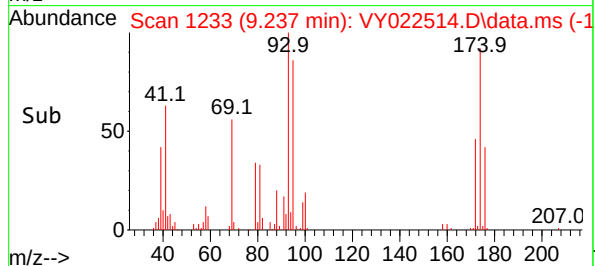
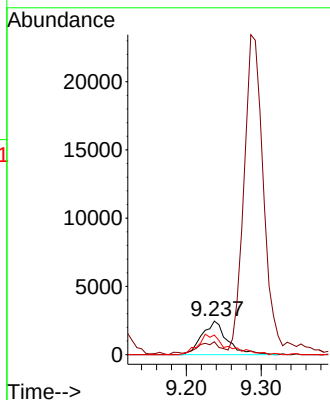
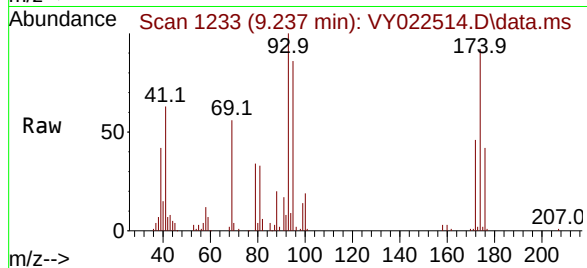
43 38.0 25.4 38.2

58 70.1 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#50

Toluene-d8

Concen: 52.622 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022514.D

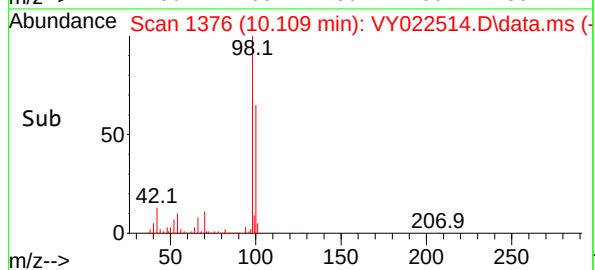
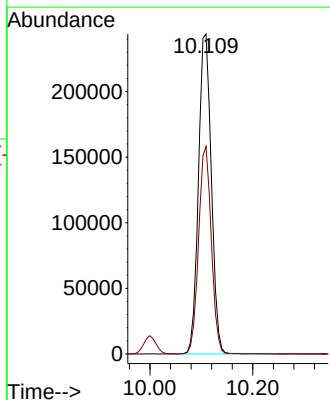
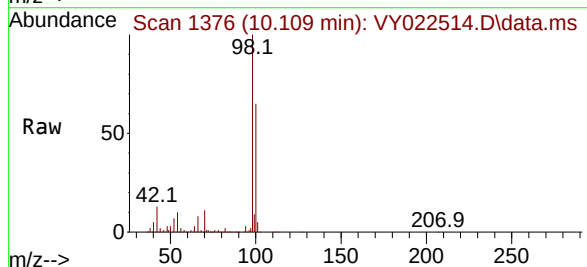
Acq: 03 Jun 2025 11:38

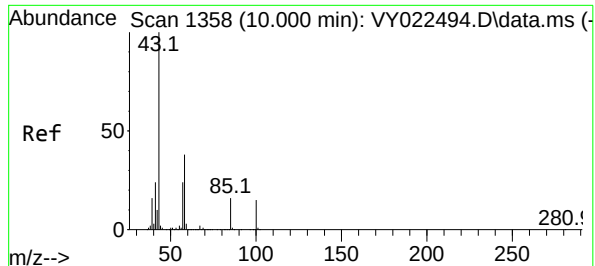
Tgt Ion: 98 Resp: 423577

Ion Ratio Lower Upper

98 100

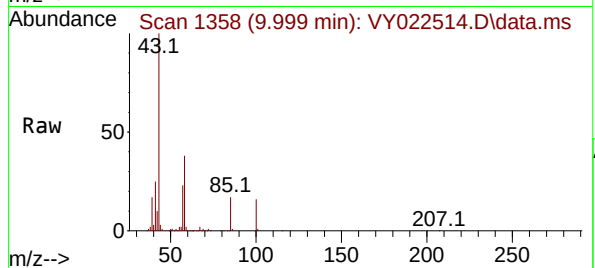
100 63.9 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 96.879 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

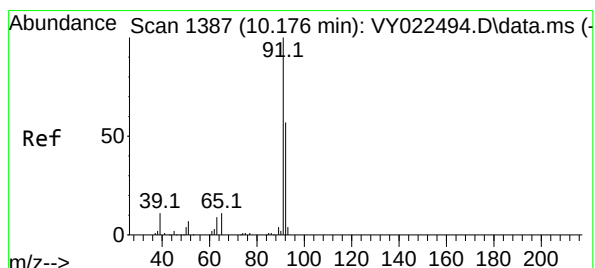
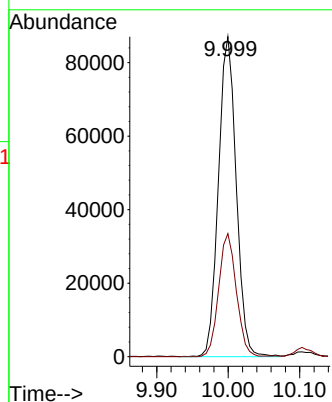
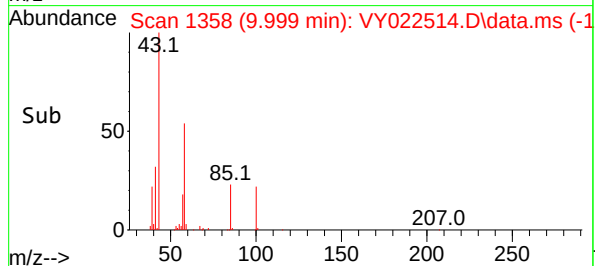
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



Tgt Ion: 43 Resp: 150410
Ion Ratio Lower Upper
43 100
58 38.2 30.4 45.6

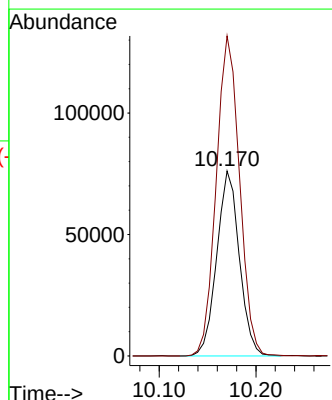
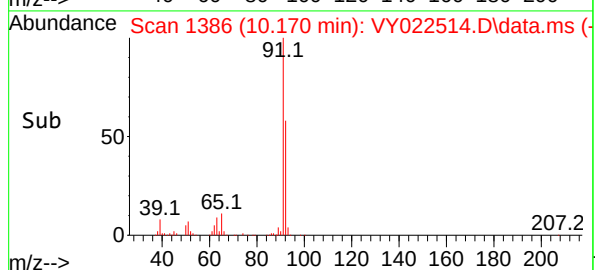
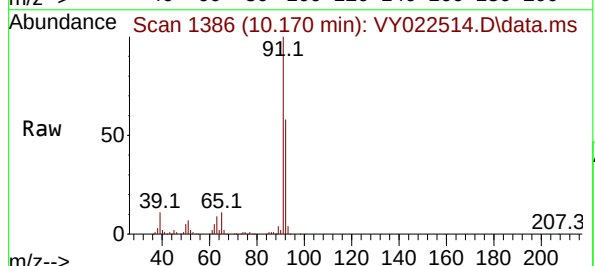
Manual Integrations
APPROVED

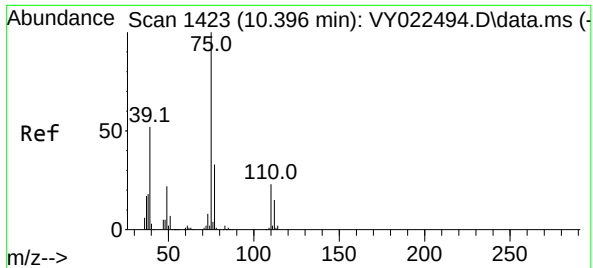
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#52
Toluene
Concen: 20.539 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

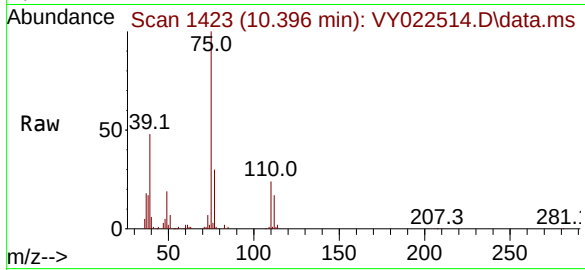
Tgt Ion: 92 Resp: 123263
Ion Ratio Lower Upper
92 100
91 178.8 139.0 208.4





#53
t-1,3-Dichloropropene
Concen: 19.911 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

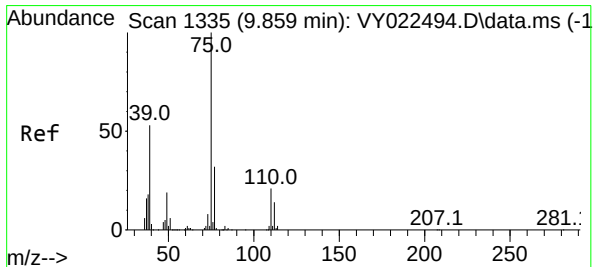
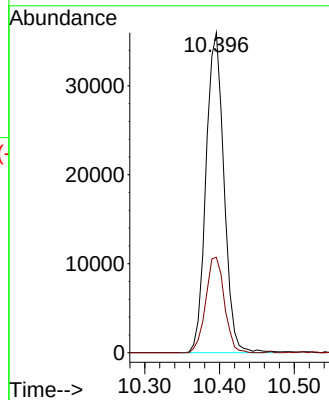
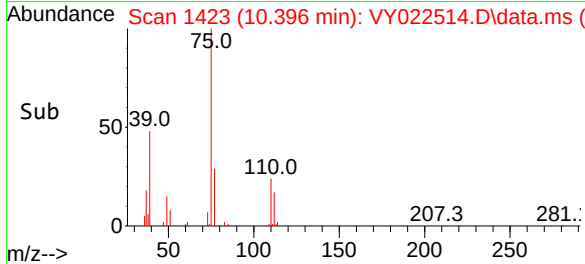
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



Tgt Ion: 75 Resp: 60064
Ion Ratio Lower Upper
75 100
77 29.8 26.5 39.7

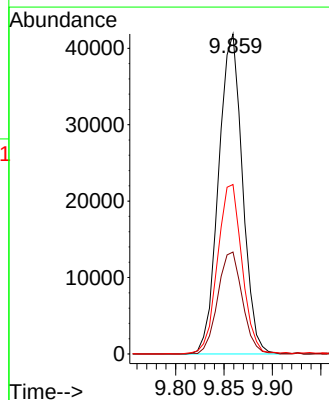
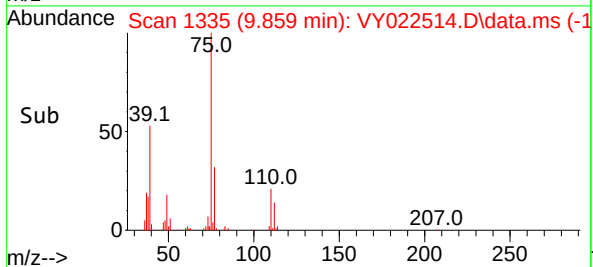
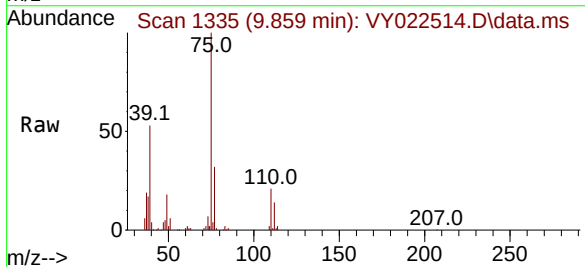
Manual Integrations
APPROVED

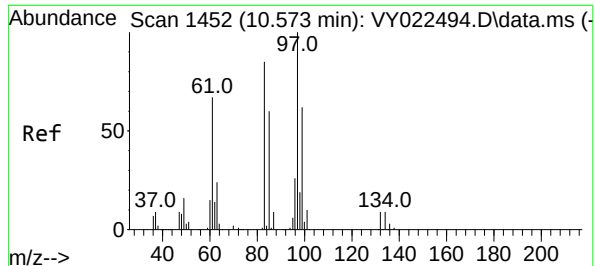
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#54
cis-1,3-Dichloropropene
Concen: 20.477 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

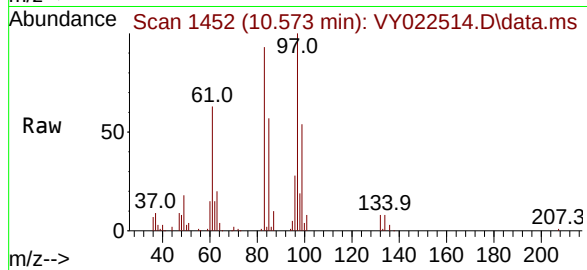
Tgt Ion: 75 Resp: 71904
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9
39 53.0 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 20.628 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

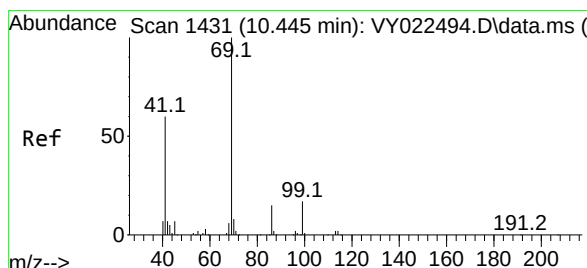
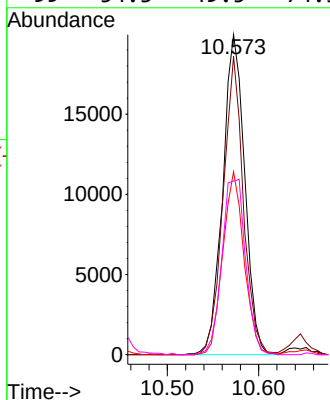
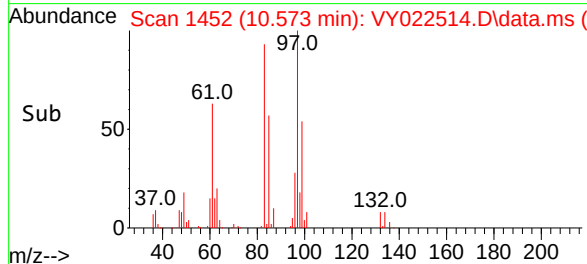
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



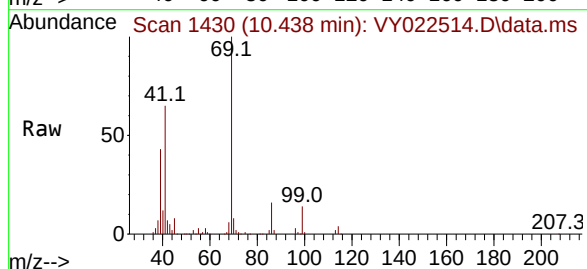
Tgt Ion: 97 Resp: 3339
Ion Ratio Lower Upper
97 100
83 93.2 68.1 102.1
85 57.2 48.2 72.2
99 54.3 49.5 74.3

Manual Integrations
APPROVED

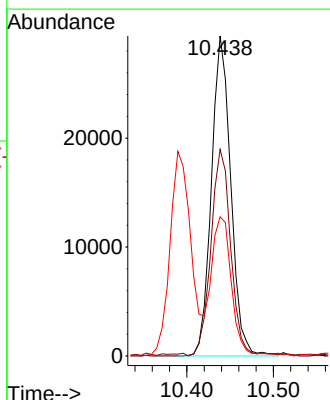
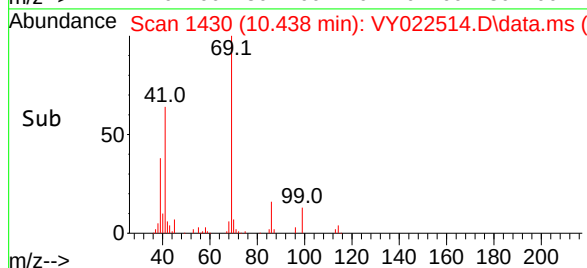
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

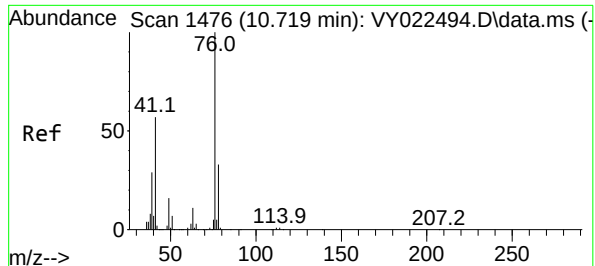


#56
Ethyl methacrylate
Concen: 19.510 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38



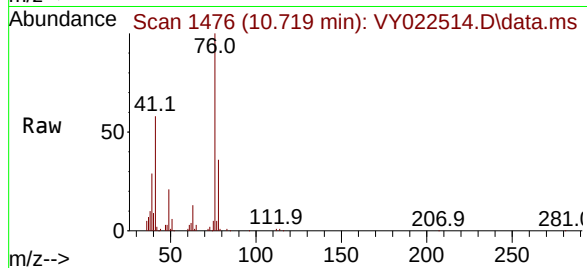
Tgt Ion: 69 Resp: 45653
Ion Ratio Lower Upper
69 100
41 66.6 52.2 78.2
39 44.8 36.7 55.1





#57
1,3-Dichloropropane
Concen: 20.269 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

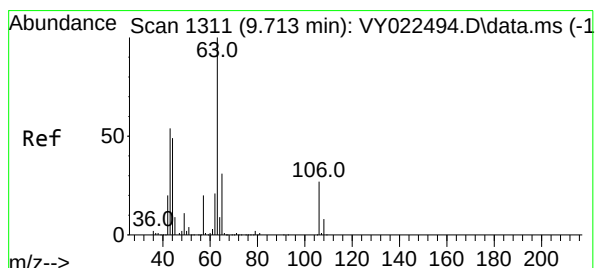
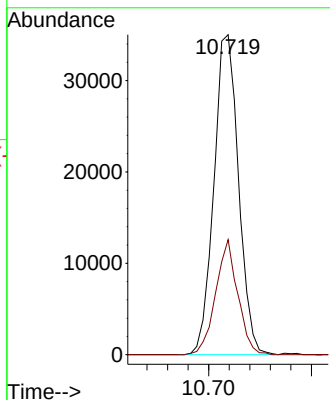
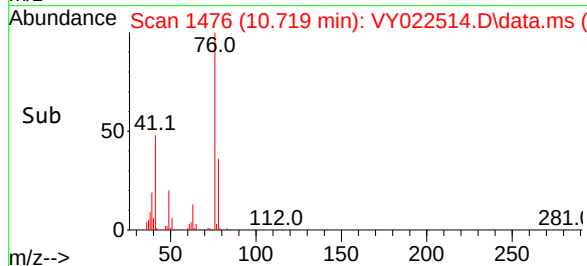
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion: 76 Resp: 58164
Ion Ratio Lower Upper
76 100
78 32.2 25.8 38.8

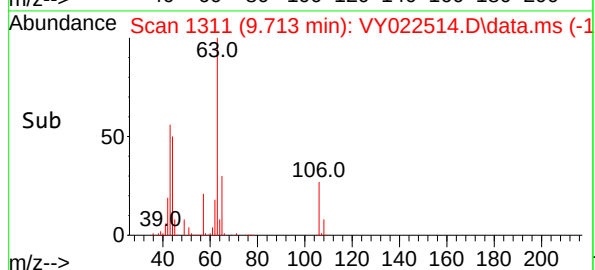
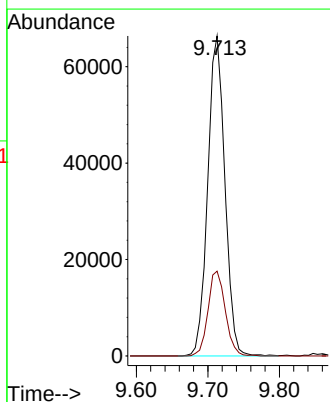
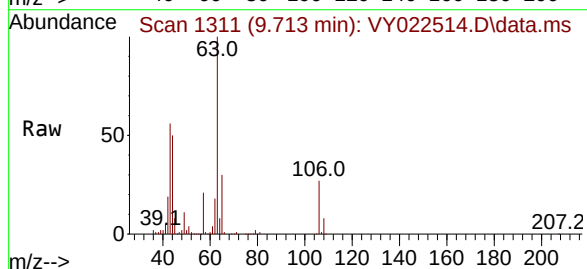
Manual Integrations
APPROVED

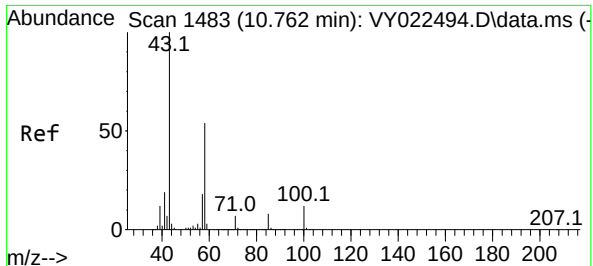
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#58
2-Chloroethyl Vinyl ether
Concen: 104.188 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Tgt Ion: 63 Resp: 110692
Ion Ratio Lower Upper
63 100
106 26.7 21.6 32.4





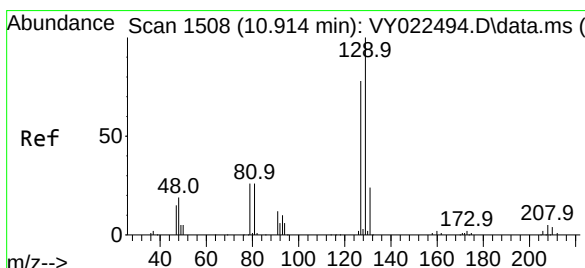
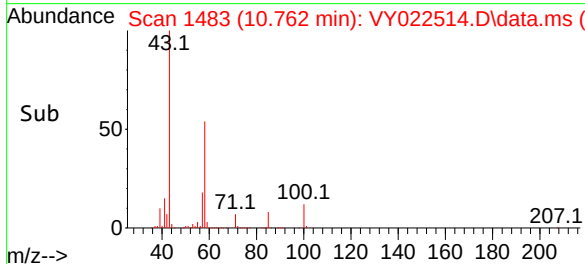
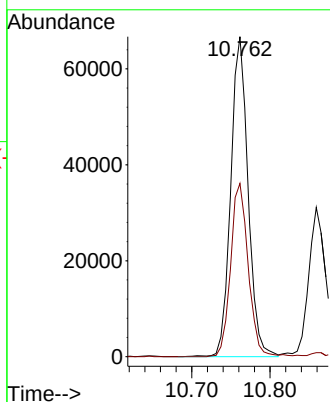
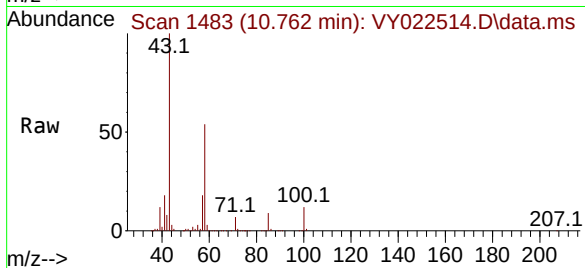
#59
2-Hexanone
Concen: 98.414 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Tgt Ion: 43 Resp: 10218
Ion Ratio Lower Upper
43 100
58 55.1 27.3 81.8

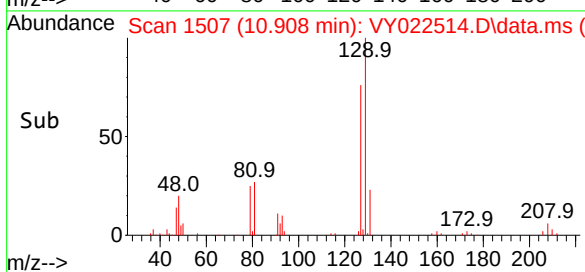
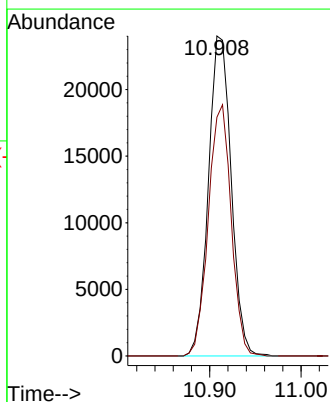
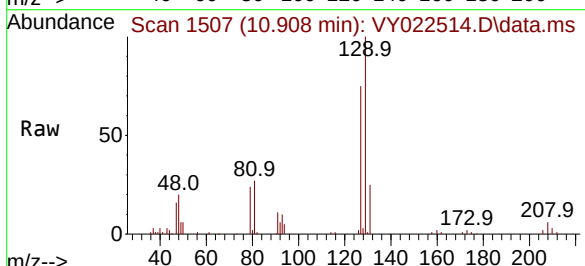
Manual Integrations
APPROVED

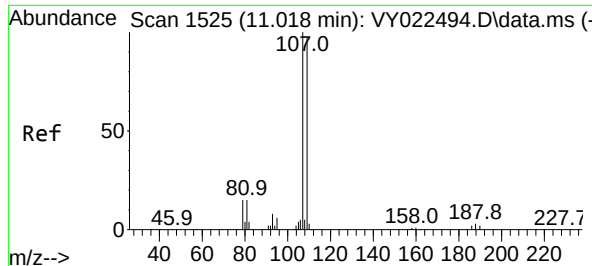
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#60
Dibromochloromethane
Concen: 20.203 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

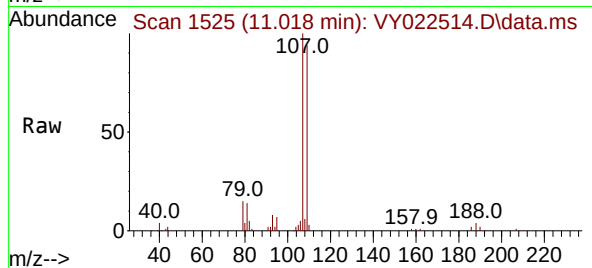
Tgt Ion:129 Resp: 41567
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2





#61
1,2-Dibromoethane
Concen: 19.973 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

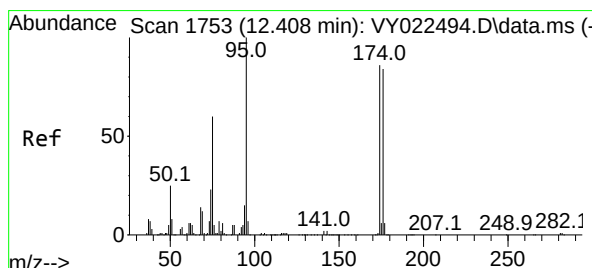
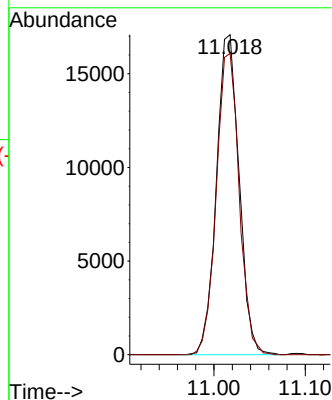
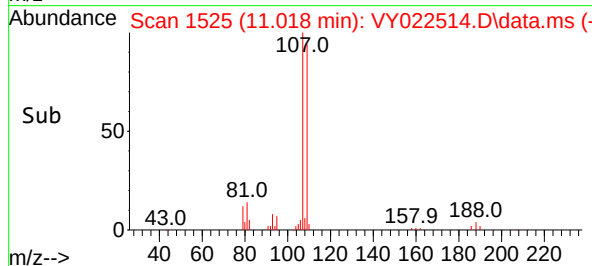
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



Tgt Ion:107 Resp: 2947
Ion Ratio Lower Upper
107 100
109 94.9 77.7 116.5

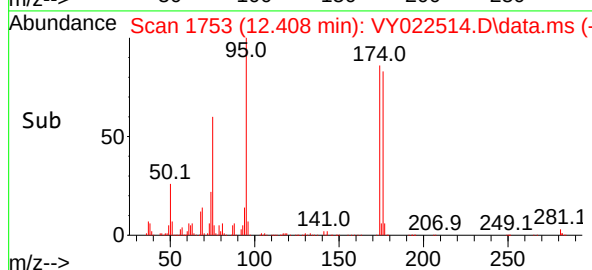
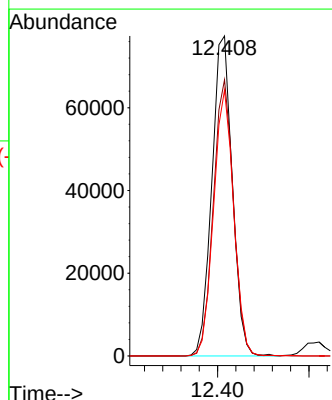
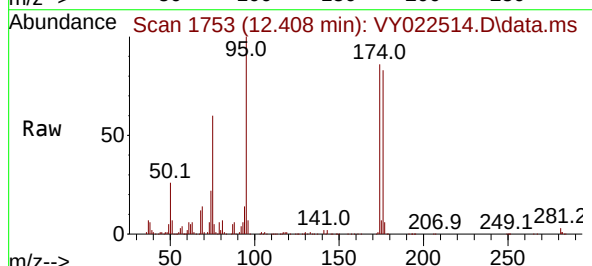
Manual Integrations
APPROVED

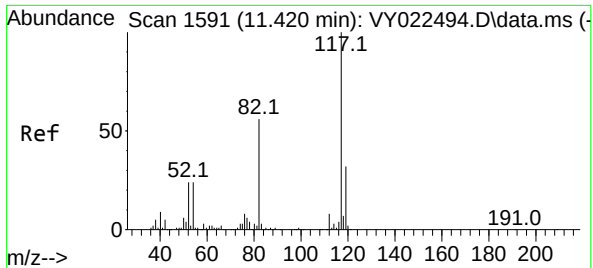
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#62
4-Bromofluorobenzene
Concen: 50.086 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

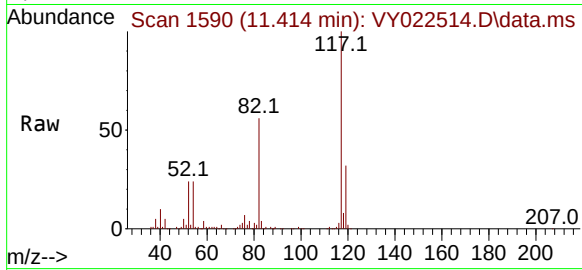
Tgt Ion: 95 Resp: 120123
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.0
176 81.8 0.0 166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

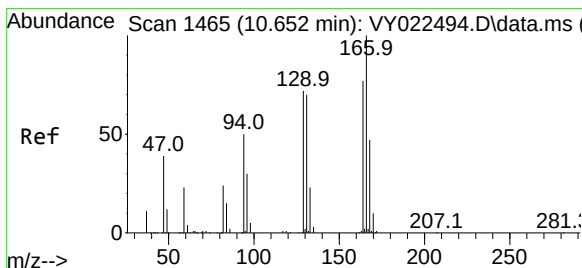
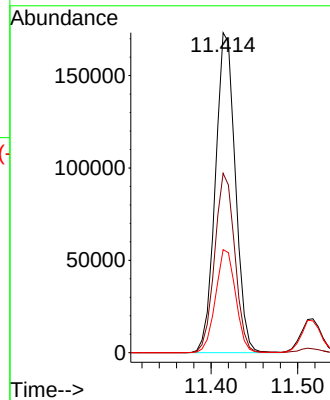
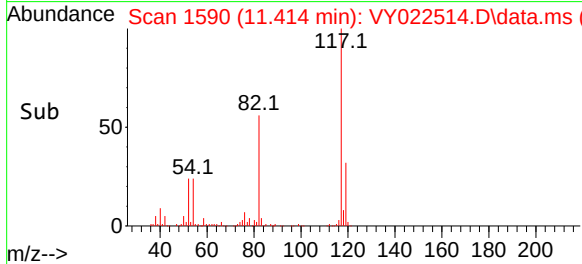
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



Tgt Ion:117 Resp: 27725
Ion Ratio Lower Upper
117 100
82 56.1 44.6 66.8
119 32.2 25.4 38.0

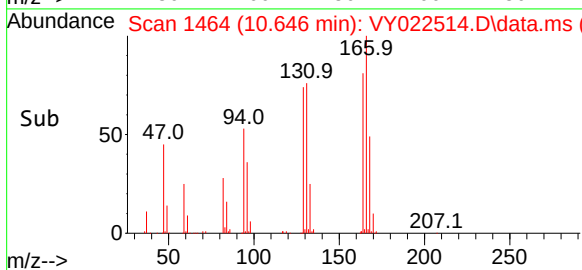
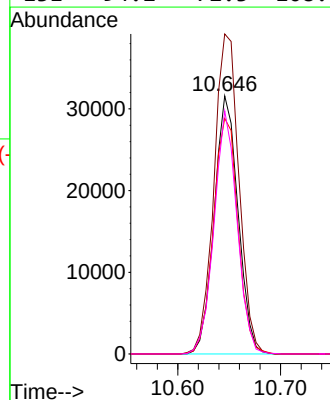
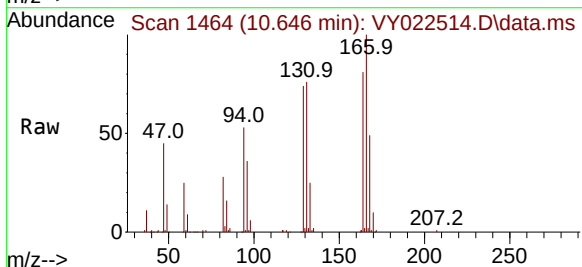
Manual Integrations
APPROVED

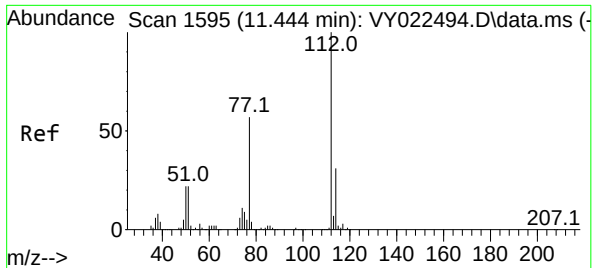
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#64
Tetrachloroethene
Concen: 21.307 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

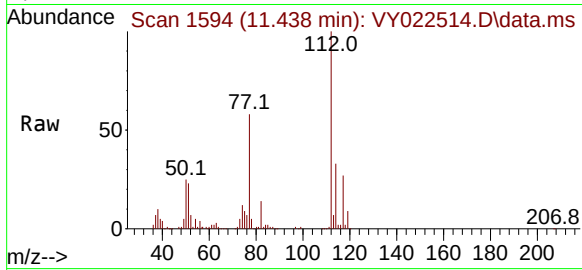
Tgt Ion:164 Resp: 50817
Ion Ratio Lower Upper
164 100
166 124.0 104.0 156.0
129 91.3 74.5 111.7
131 94.2 72.3 108.5





#65
Chlorobenzene
Concen: 21.140 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

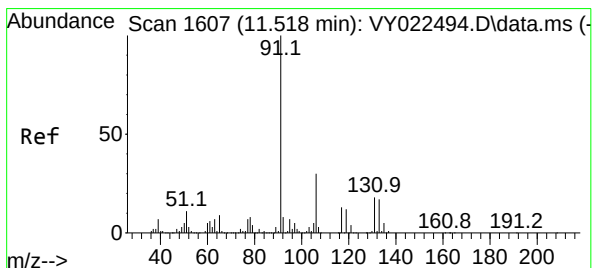
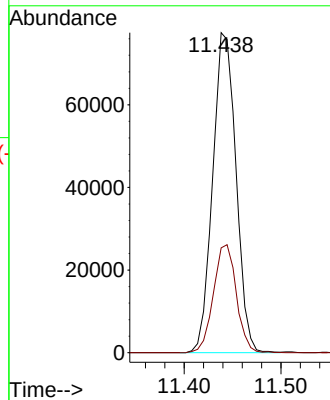
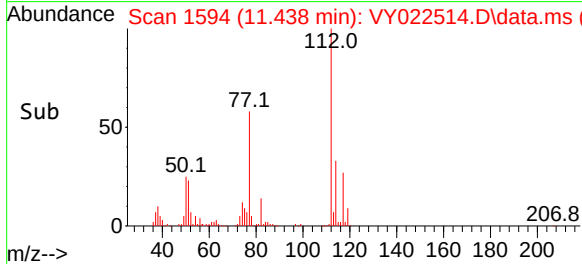
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



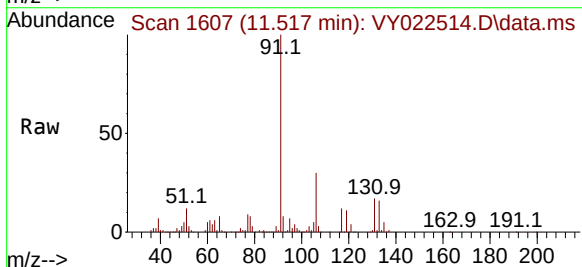
Tgt Ion:112 Resp: 129702
Ion Ratio Lower Upper
112 100
114 32.8 25.0 37.6

Manual Integrations
APPROVED

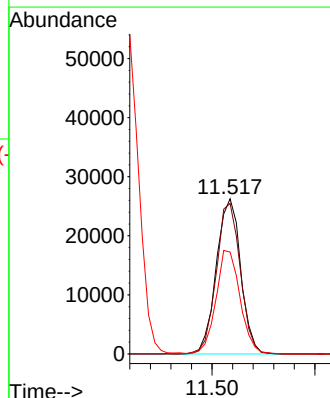
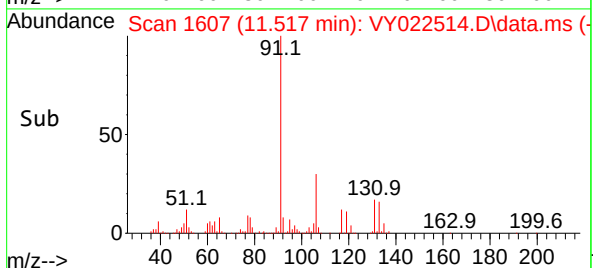
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

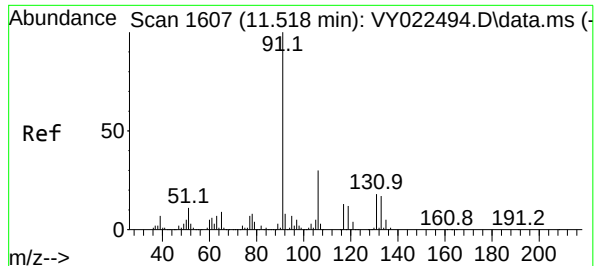


#66
1,1,1,2-Tetrachloroethane
Concen: 20.856 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38



Tgt Ion:131 Resp: 43105
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 66.3 33.1 99.3





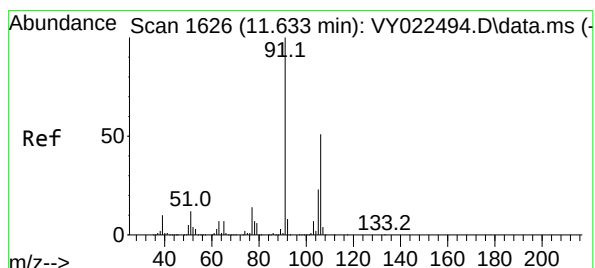
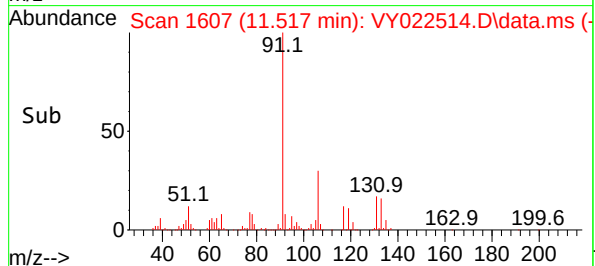
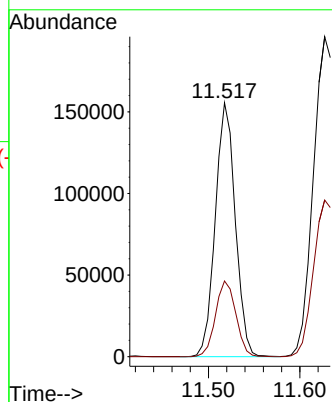
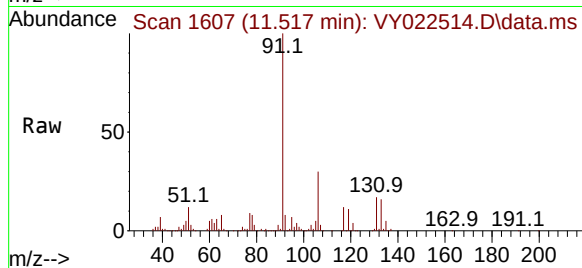
#67
Ethyl Benzene
Concen: 20.770 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01

Tgt Ion: 91 Resp: 236352
Ion Ratio Lower Upper
91 100
106 29.8 24.2 36.4

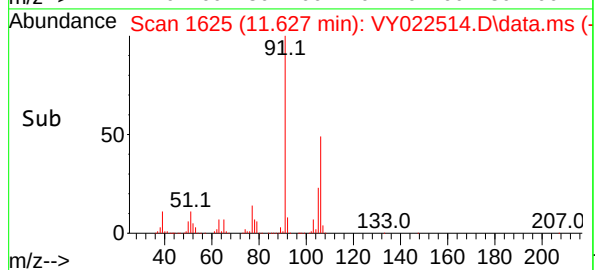
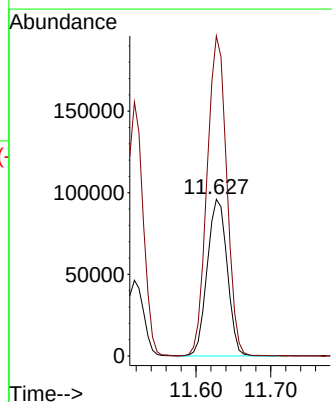
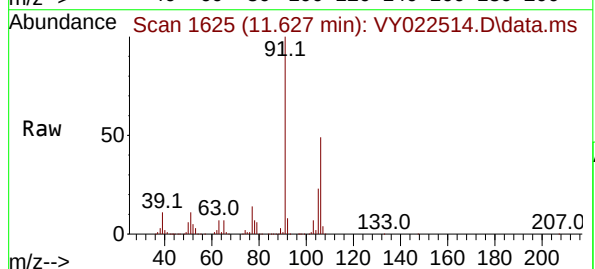
Manual Integrations
APPROVED

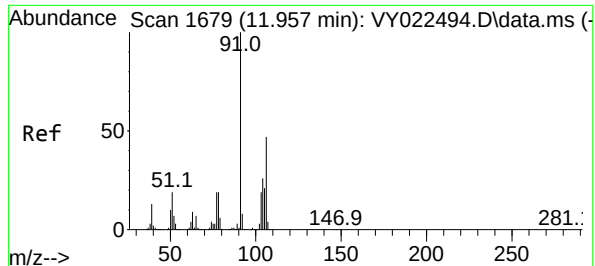
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#68
m/p-Xylenes
Concen: 41.269 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

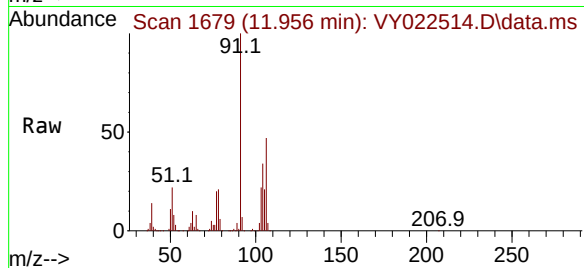
Tgt Ion:106 Resp: 178031
Ion Ratio Lower Upper
106 100
91 200.8 159.4 239.0





#69
o-Xylene
Concen: 20.682 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

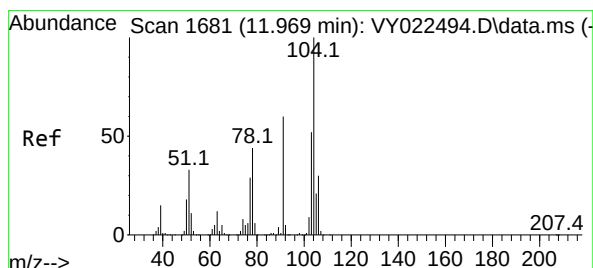
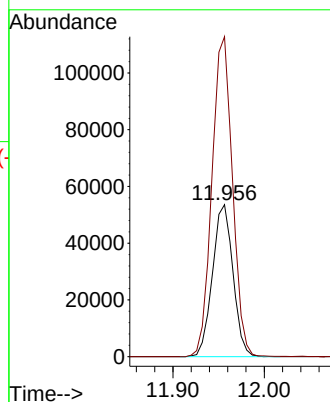
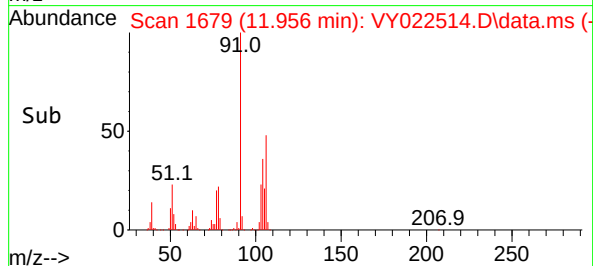
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



Tgt Ion:106 Resp: 83649
Ion Ratio Lower Upper
106 100
91 210.8 105.8 317.3

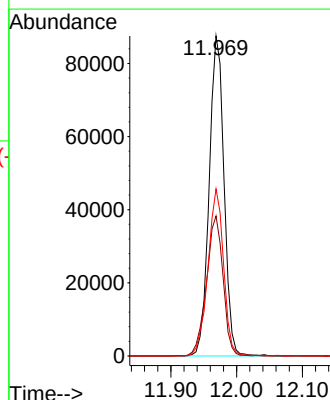
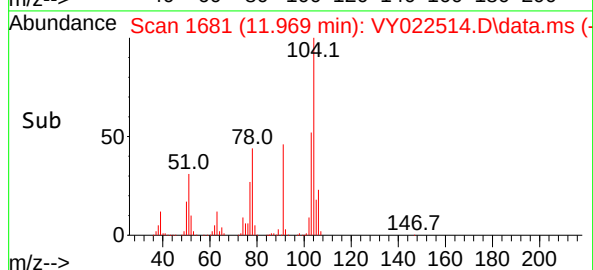
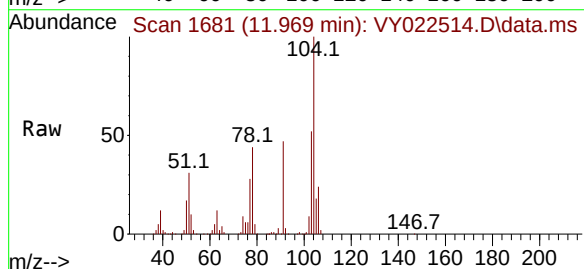
Manual Integrations
APPROVED

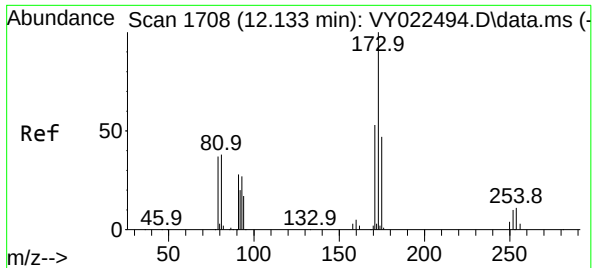
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#70
Styrene
Concen: 20.583 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

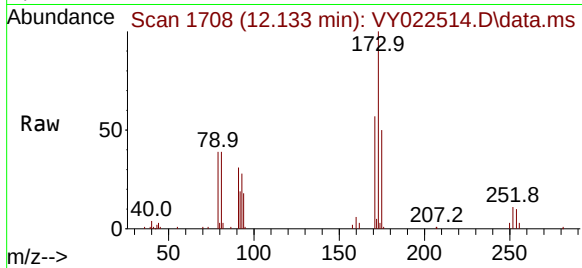
Tgt Ion:104 Resp: 137611
Ion Ratio Lower Upper
104 100
78 48.7 39.5 59.3
103 55.0 44.1 66.1





#71
Bromoform
Concen: 19.883 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

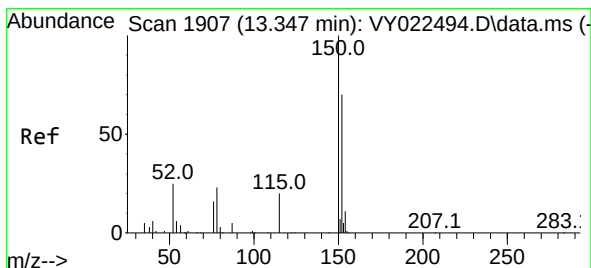
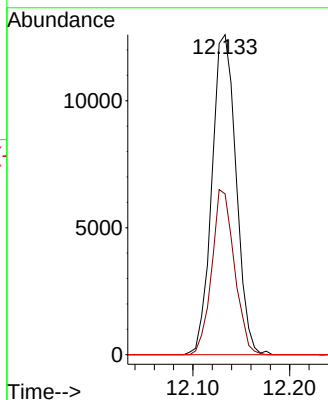
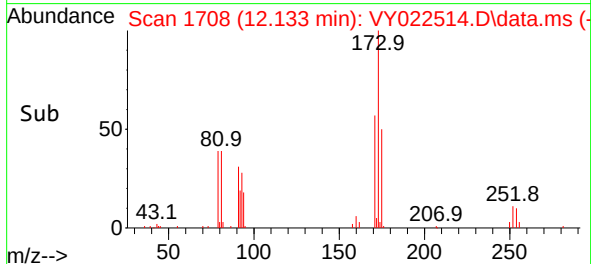
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



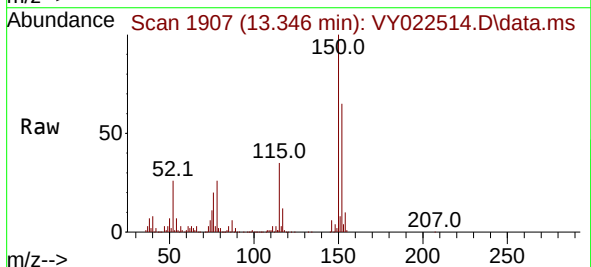
Tgt Ion:173 Resp: 21869
Ion Ratio Lower Upper
173 100
175 48.3 23.8 71.5
254 0.0 0.0 0.0

Manual Integrations
APPROVED

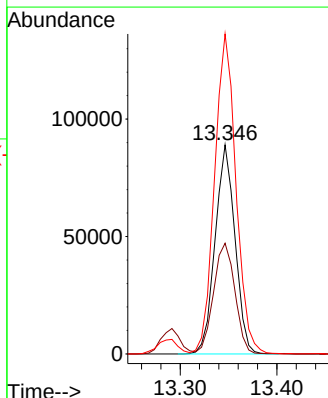
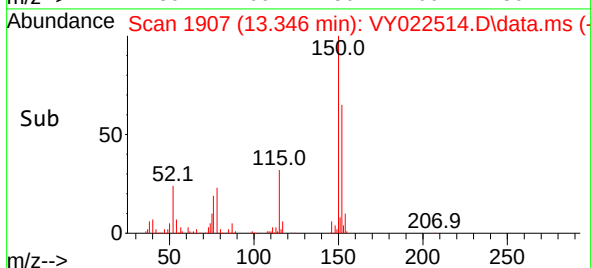
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

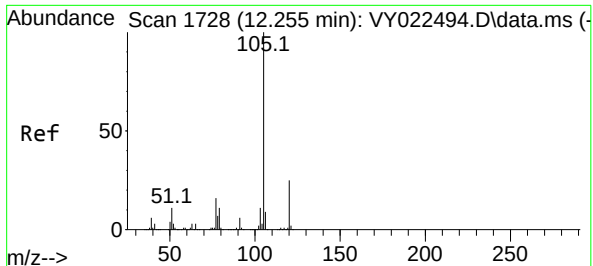


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38



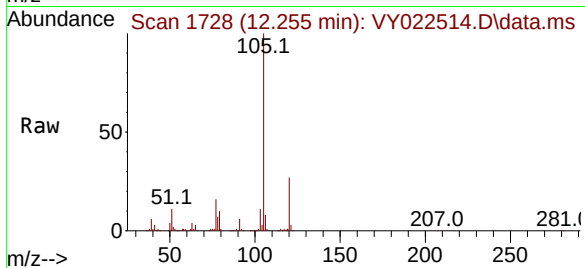
Tgt Ion:152 Resp: 127082
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 164.5 0.0 349.6





#73
Isopropylbenzene
Concen: 21.105 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

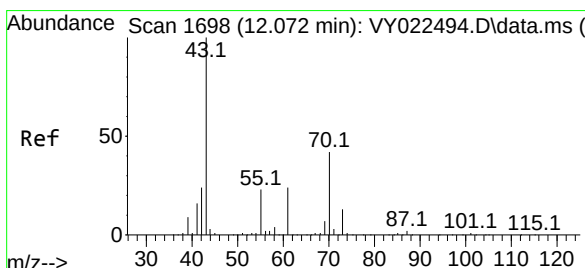
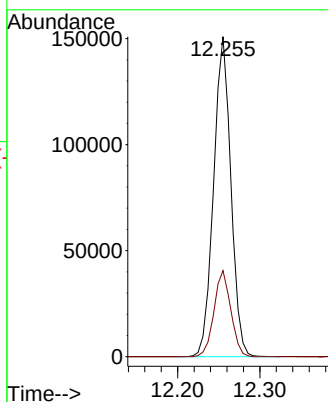
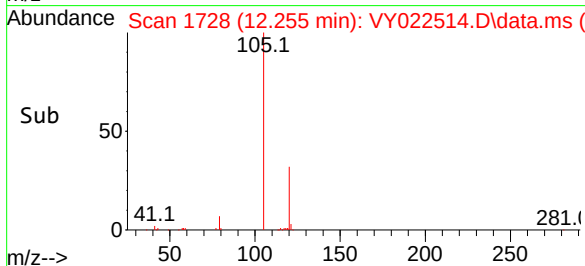
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion:105 Resp: 22020
Ion Ratio Lower Upper
105 100
120 26.1 13.0 38.9

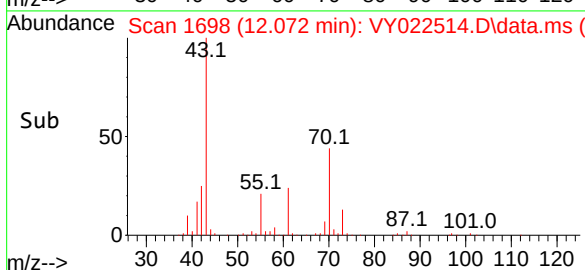
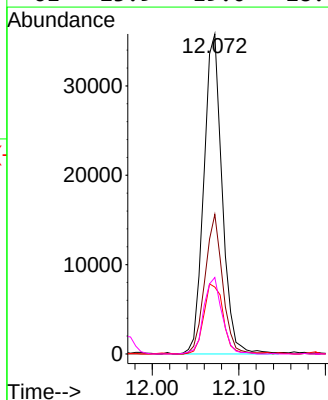
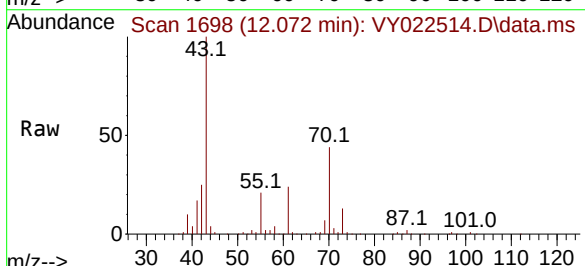
Manual Integrations
APPROVED

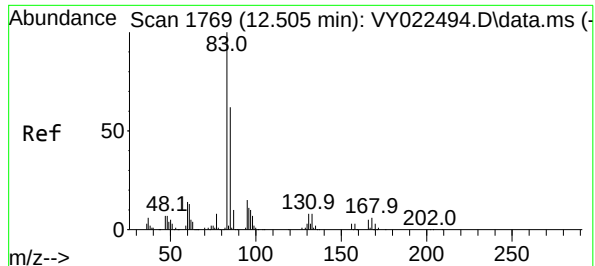
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#74
N-ethyl acetate
Concen: 20.008 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

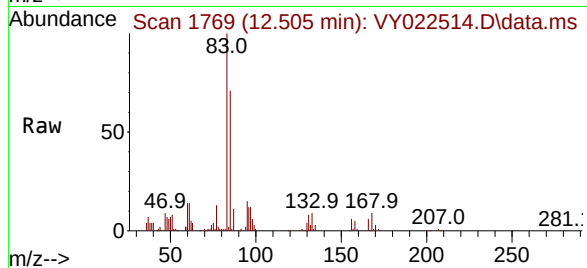
Tgt Ion: 43 Resp: 52673
Ion Ratio Lower Upper
43 100
70 42.1 34.2 51.2
55 23.4 18.2 27.4
61 23.9 19.0 28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 19.977 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

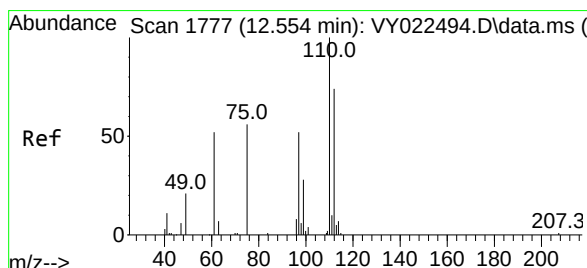
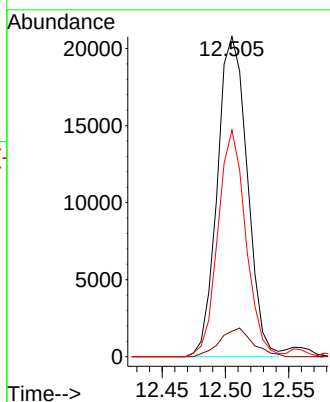
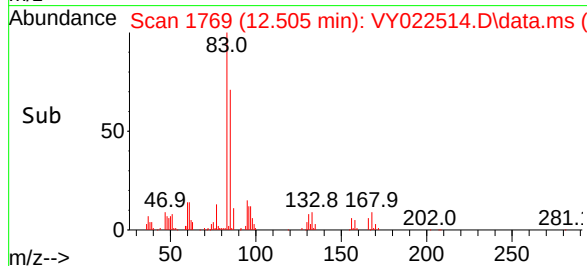
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



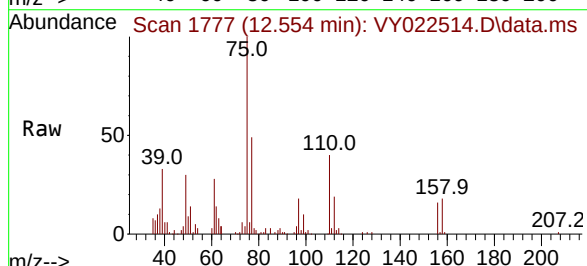
Tgt Ion: 83 Resp: 34208
Ion Ratio Lower Upper
83 100
131 9.8 4.9 14.7
85 65.9 32.6 97.8

Manual Integrations
APPROVED

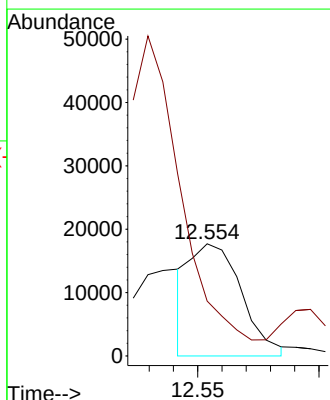
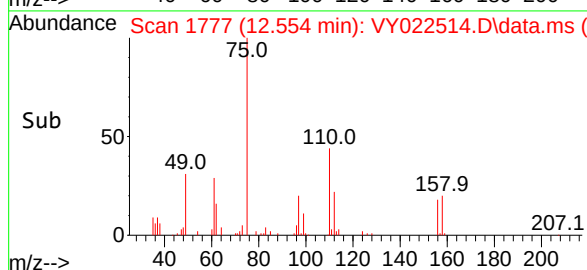
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

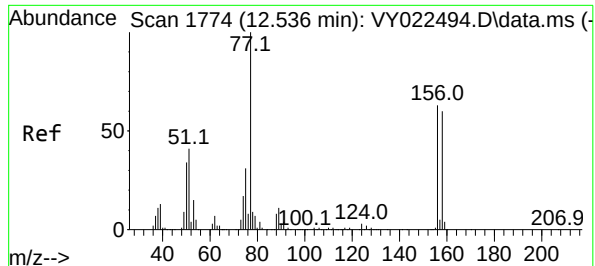


#76
1,2,3-Trichloropropane
Concen: 18.084 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38



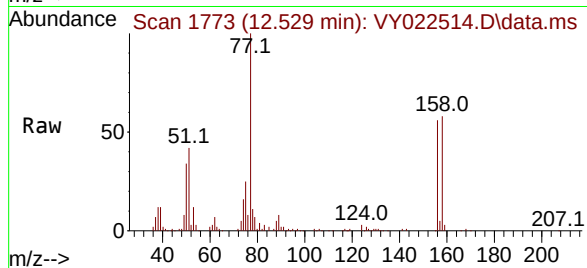
Tgt Ion: 75 Resp: 26292
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 20.918 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

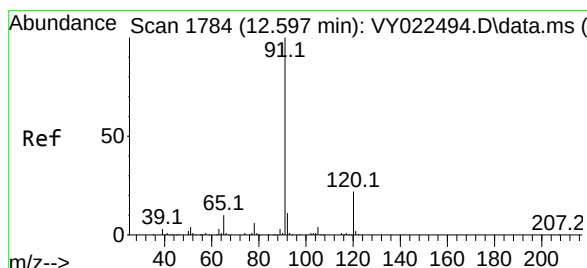
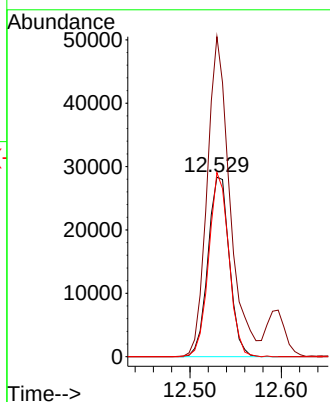
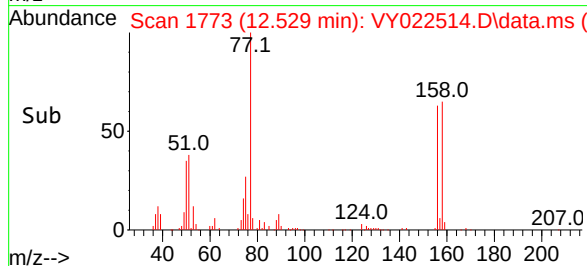
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBS01



Tgt Ion: 156 Resp: 4605
Ion Ratio Lower Upper
156 100
77 188.2 94.0 282.1
158 96.5 48.2 144.6

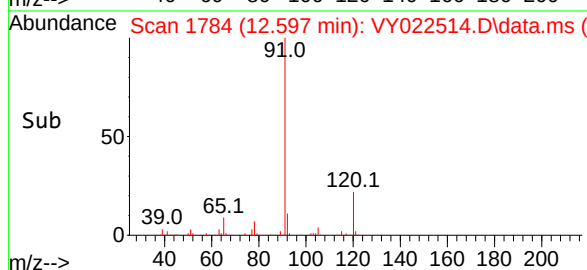
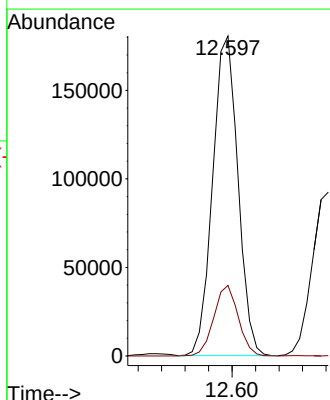
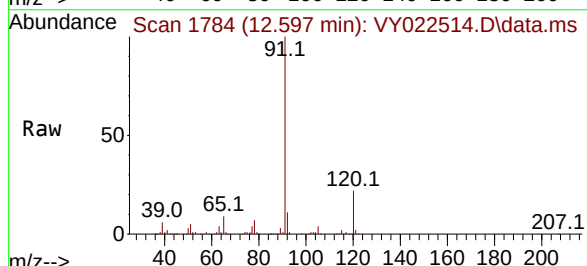
Manual Integrations
APPROVED

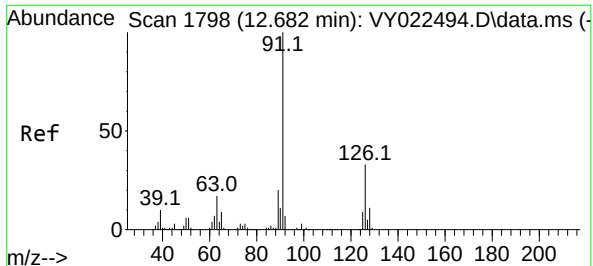
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#78
n-propylbenzene
Concen: 21.184 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Tgt Ion: 91 Resp: 269951
Ion Ratio Lower Upper
91 100
120 21.3 10.8 32.4





#79

2-Chlorotoluene

Concen: 21.037 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 91 Resp: 142085

Ion Ratio Lower Upper

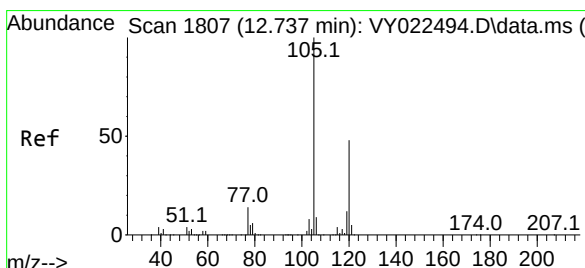
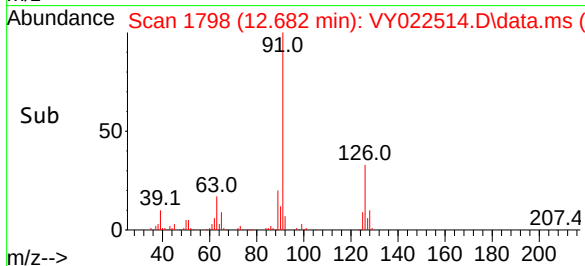
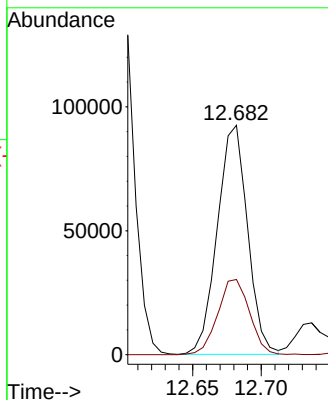
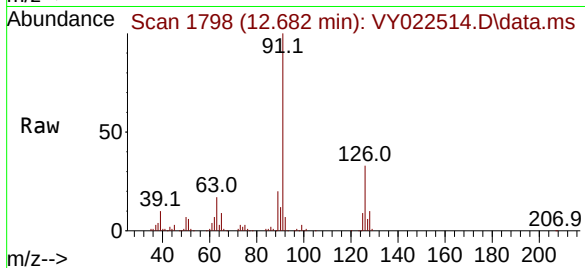
91 100

126 34.6 17.0 51.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.866 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022514.D

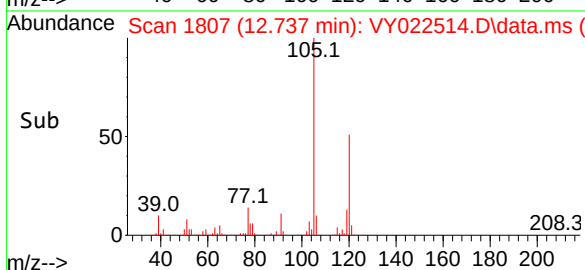
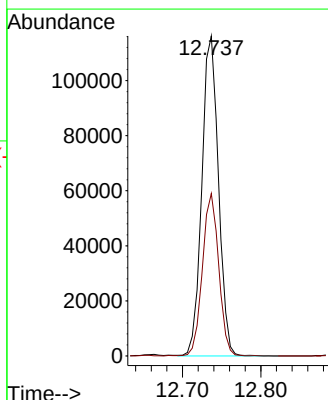
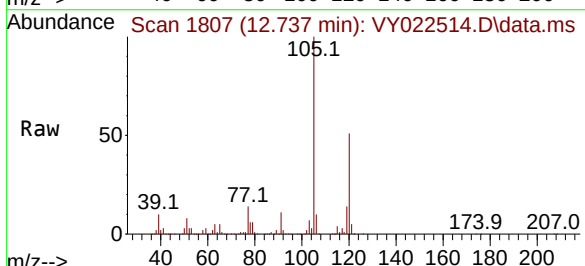
Acq: 03 Jun 2025 11:38

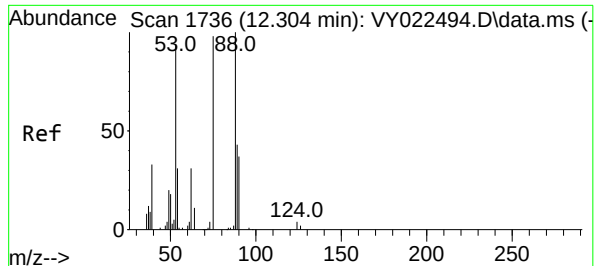
Tgt Ion:105 Resp: 170919

Ion Ratio Lower Upper

105 100

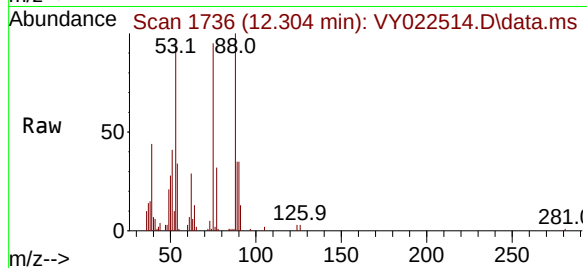
120 49.8 24.1 72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.036 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

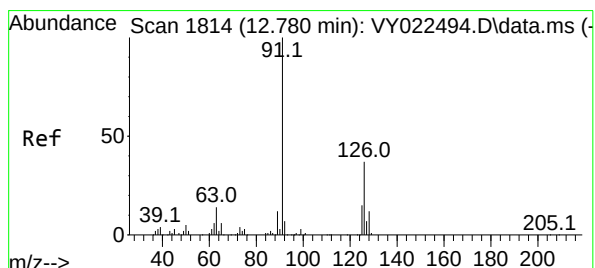
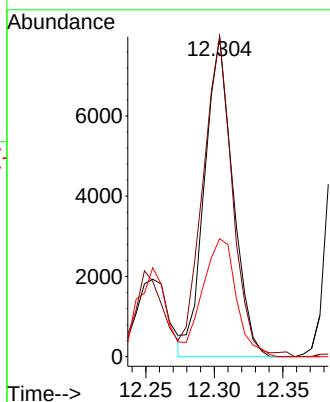
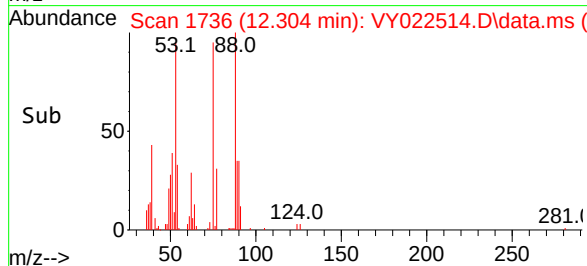
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



Tgt Ion: 75 Resp: 11460
Ion Ratio Lower Upper
75 100
53 104.7 78.5 117.7
89 42.9 35.7 53.5

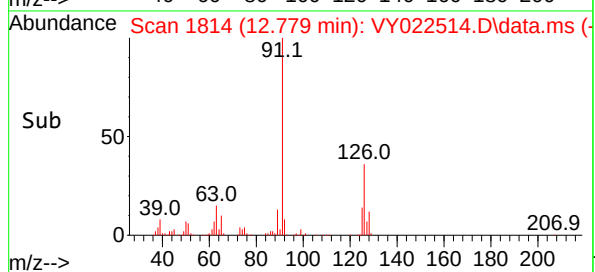
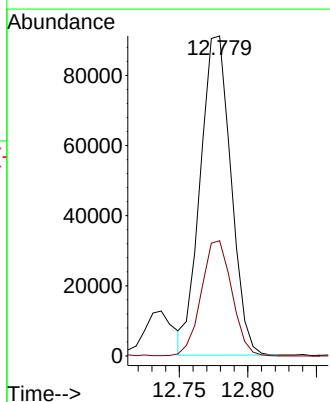
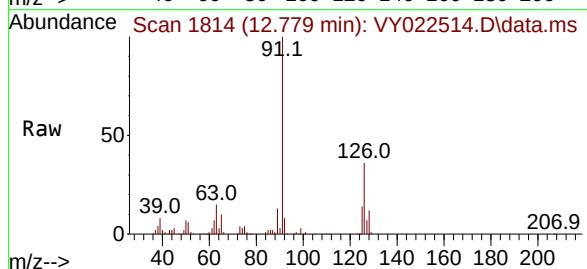
Manual Integrations
APPROVED

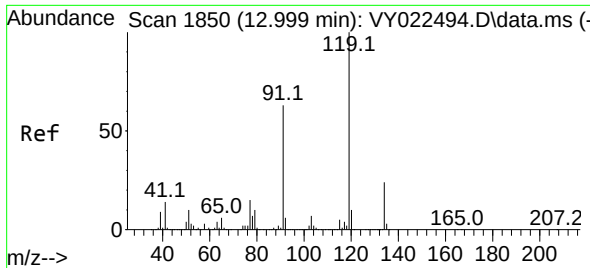
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#82
4-Chlorotoluene
Concen: 20.364 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Tgt Ion: 91 Resp: 141886
Ion Ratio Lower Upper
91 100
126 36.0 17.0 50.9





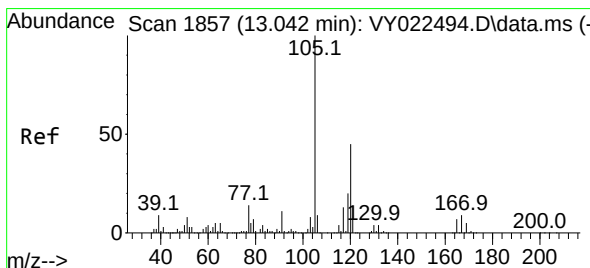
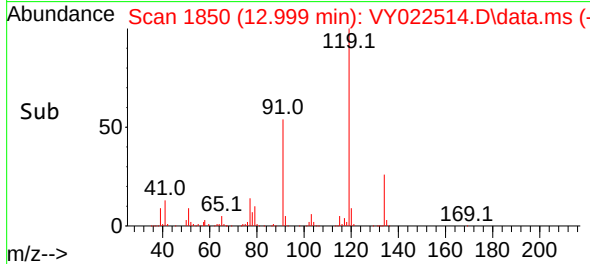
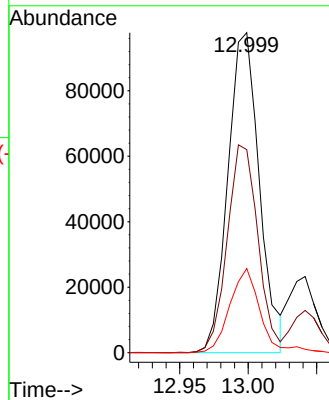
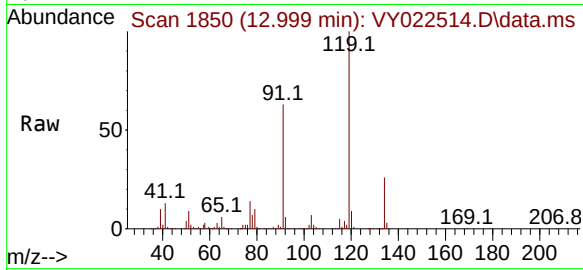
#83
tert-Butylbenzene
Concen: 21.309 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01

Tgt Ion:119 Resp: 156660
Ion Ratio Lower Upper
119 100
91 63.5 32.1 96.3
134 25.5 13.0 38.9

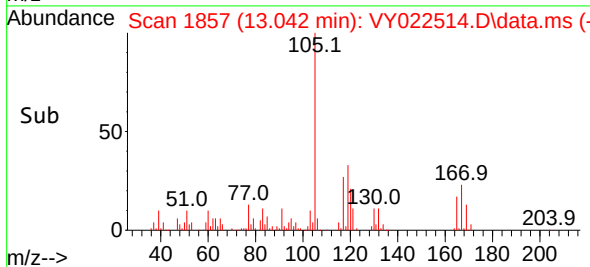
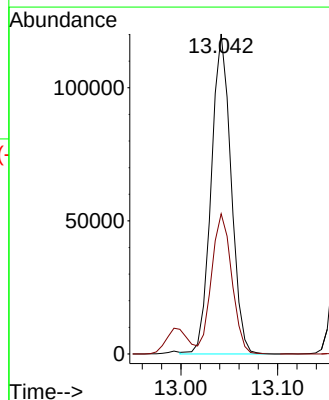
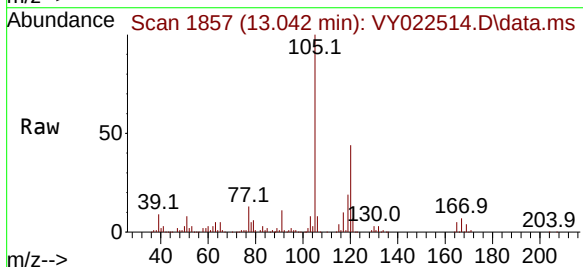
Manual Integrations
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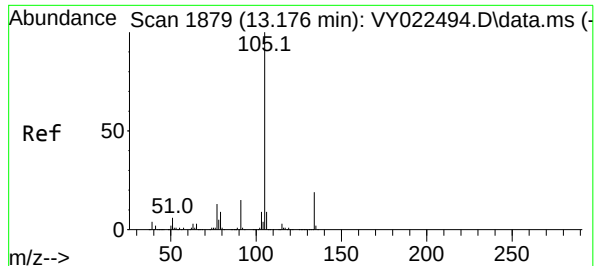
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#84
1,2,4-Trimethylbenzene
Concen: 20.846 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

Tgt Ion:105 Resp: 170782
Ion Ratio Lower Upper
105 100
120 44.6 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.907 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion:105 Resp: 235402

Ion Ratio Lower Upper

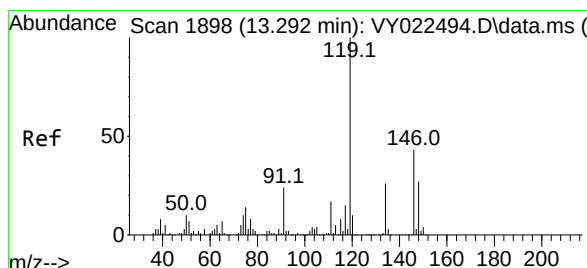
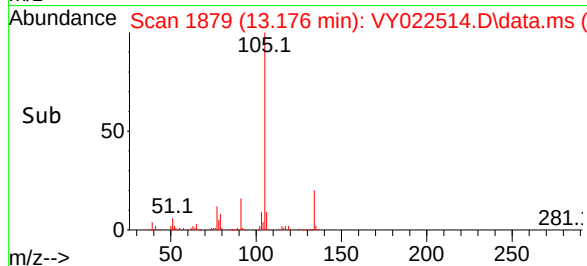
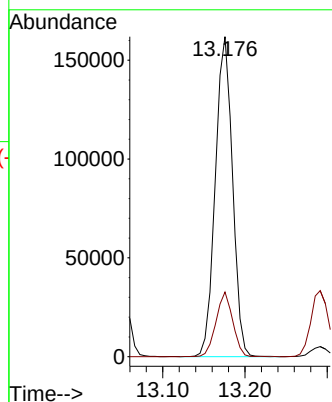
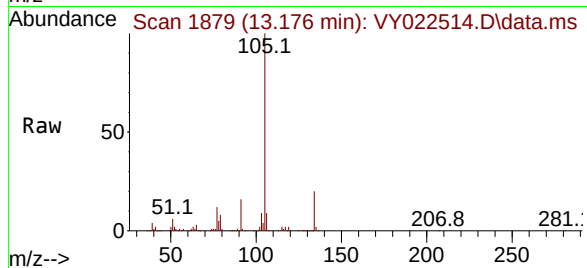
105 100

134 19.7 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#86

p-Isopropyltoluene

Concen: 20.525 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

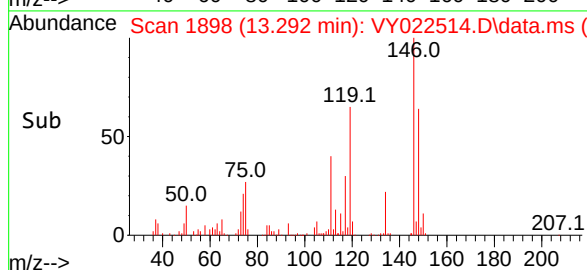
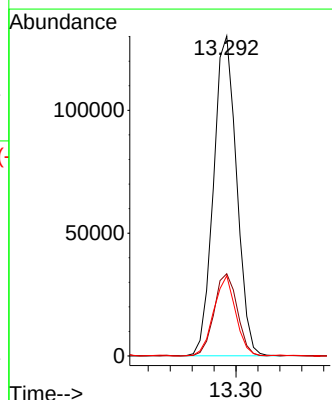
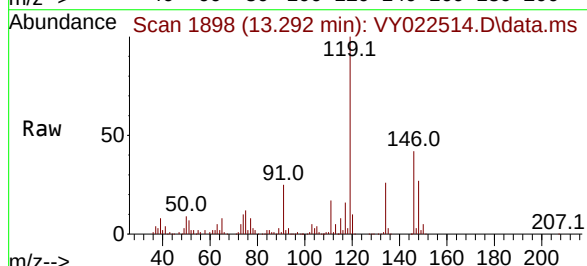
Tgt Ion:119 Resp: 190486

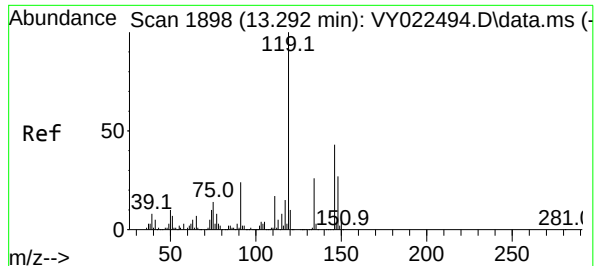
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

91 23.9 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 20.544 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion:146 Resp: 9164

Ion Ratio Lower Upper

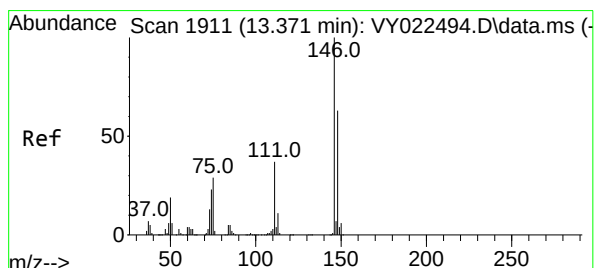
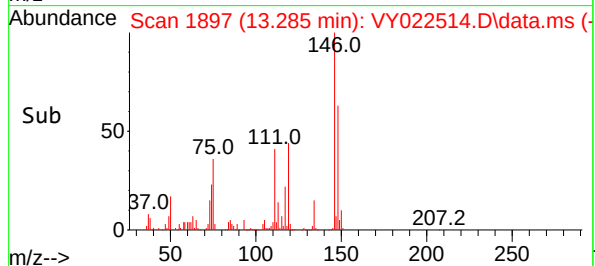
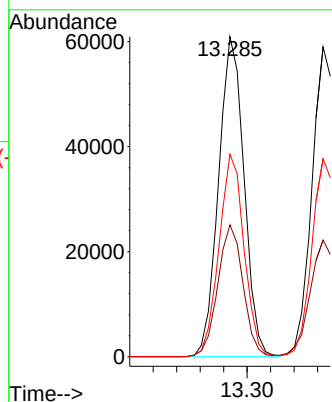
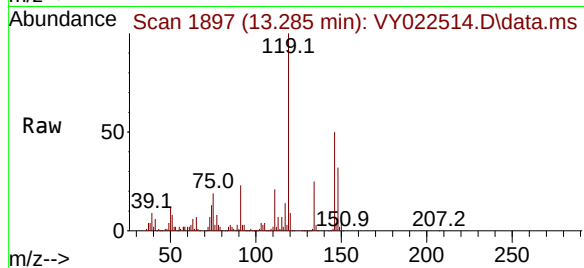
146 100

111 40.8 20.1 60.2

148 62.4 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#88

1,4-Dichlorobenzene

Concen: 20.709 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

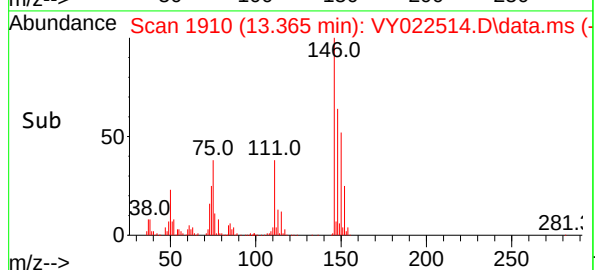
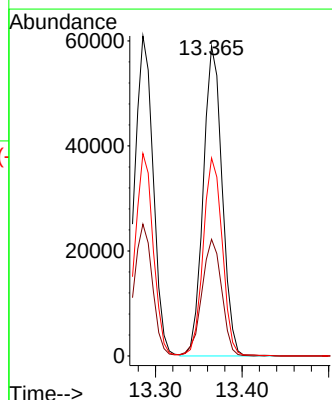
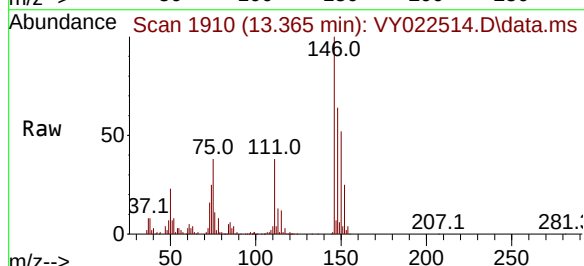
Tgt Ion:146 Resp: 89601

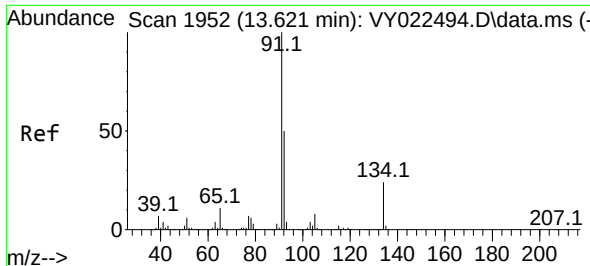
Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.2

148 64.6 31.6 94.8





#89

n-Butylbenzene

Concen: 21.478 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion: 91 Resp: 18912

Ion Ratio Lower Upper

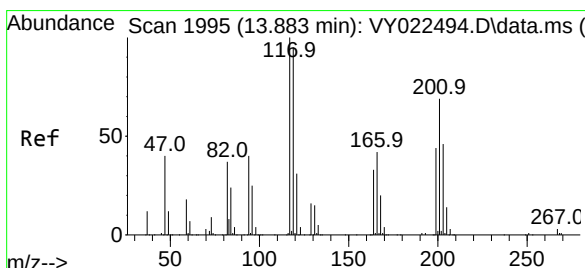
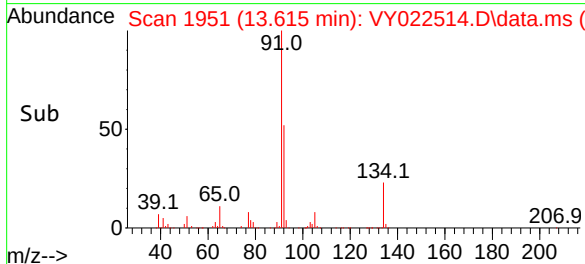
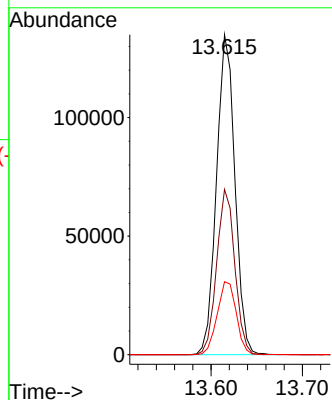
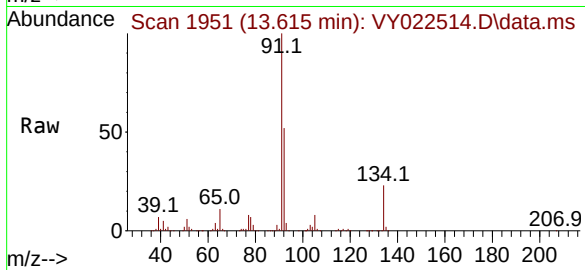
91 100

92 51.0 25.9 77.8

134 23.7 12.0 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

#90

Hexachloroethane

Concen: 21.128 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY022514.D

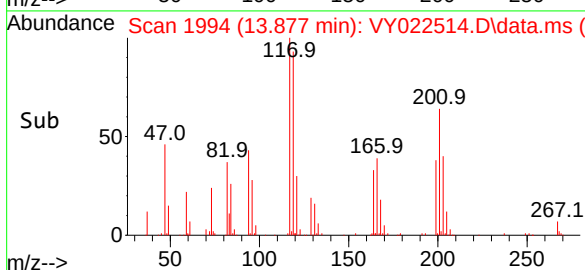
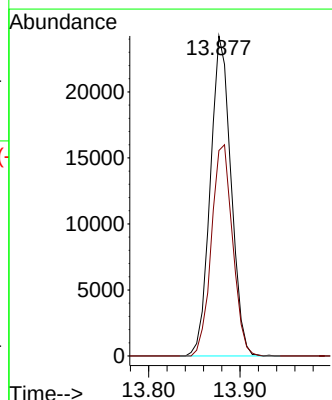
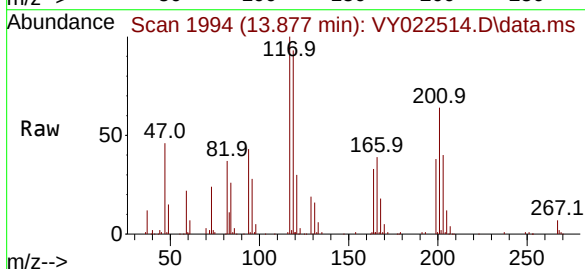
Acq: 03 Jun 2025 11:38

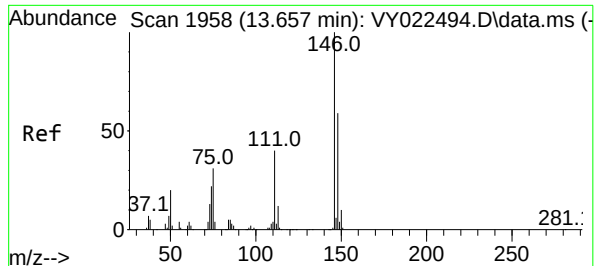
Tgt Ion:117 Resp: 38174

Ion Ratio Lower Upper

117 100

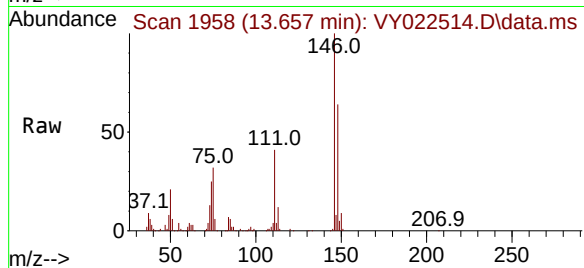
201 67.6 34.0 102.0





#91
1,2-Dichlorobenzene
Concen: 20.938 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38

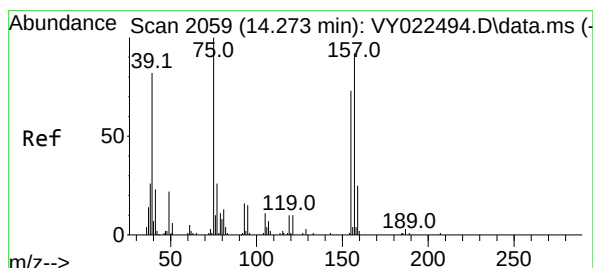
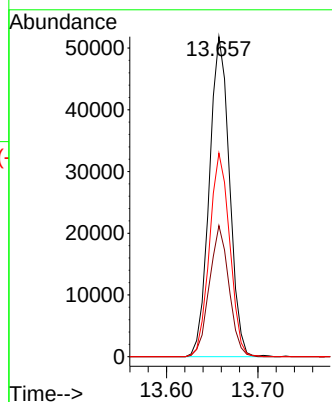
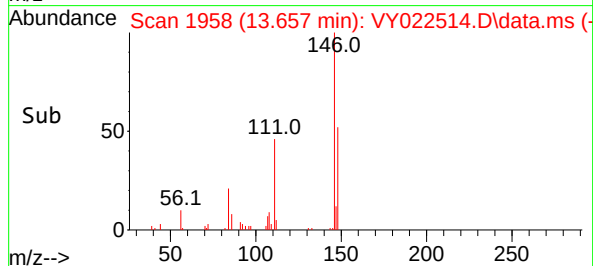
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBSD01



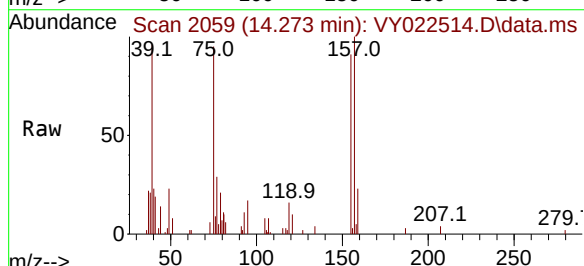
Tgt Ion:146 Resp: 7930
Ion Ratio Lower Upper
146 100
111 39.8 20.2 60.6
148 63.9 31.4 94.0

Manual Integrations
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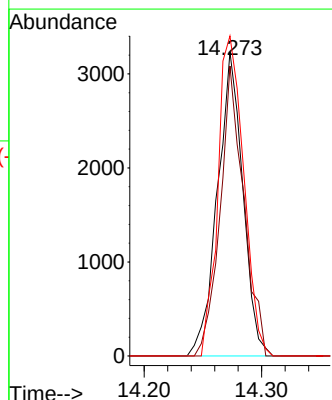
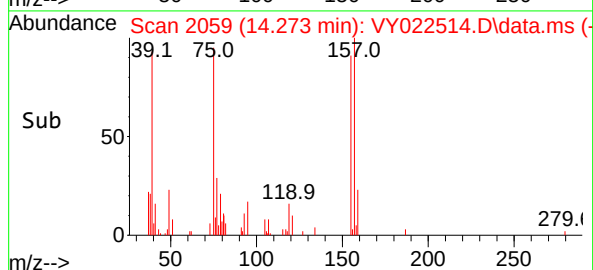
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

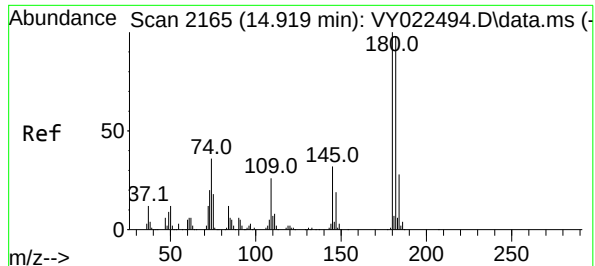


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.429 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022514.D
Acq: 03 Jun 2025 11:38



Tgt Ion: 75 Resp: 4844
Ion Ratio Lower Upper
75 100
155 88.8 39.9 119.6
157 107.4 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 20.945 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0603SBS01

Tgt Ion:180 Resp: 43264

Ion Ratio Lower Upper

180 100

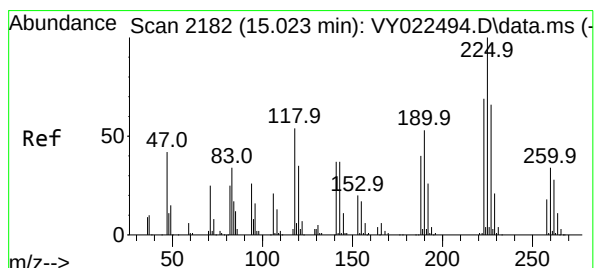
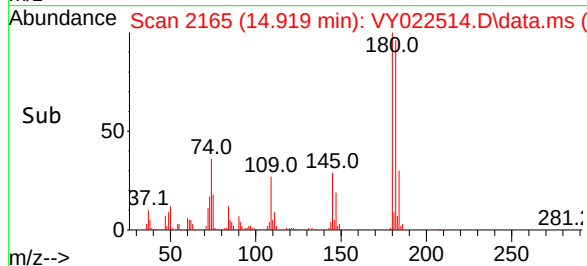
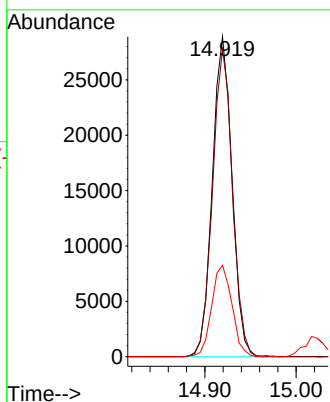
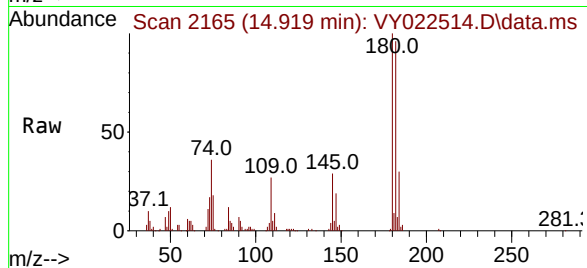
182 97.4 48.4 145.3

145 29.4 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025



#94

Hexachlorobutadiene

Concen: 20.747 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

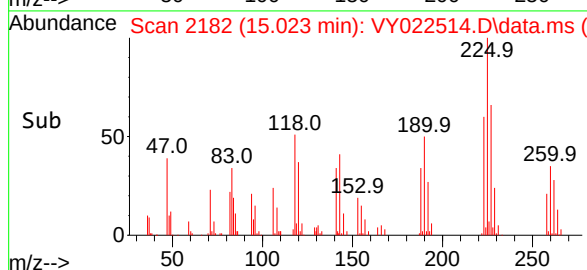
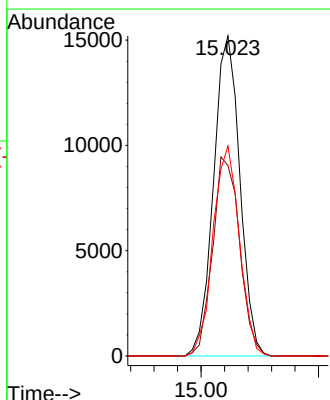
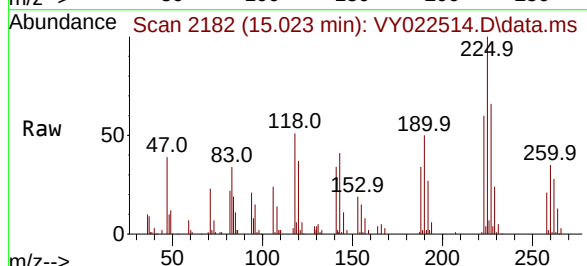
Tgt Ion:225 Resp: 23654

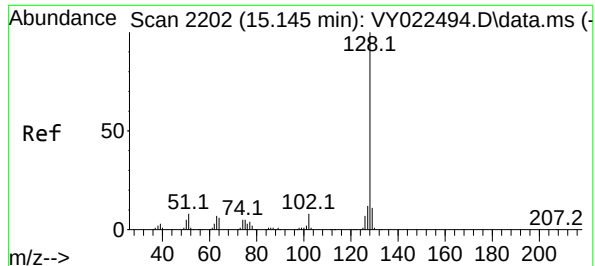
Ion Ratio Lower Upper

225 100

223 63.7 32.5 97.4

227 65.7 32.3 96.9





#95

Naphthalene

Concen: 19.418 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

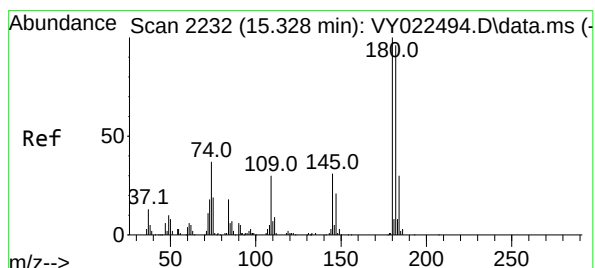
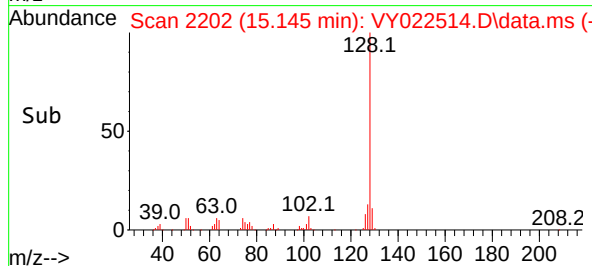
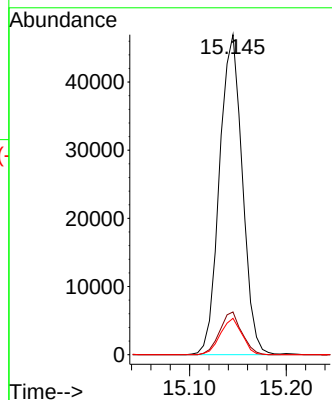
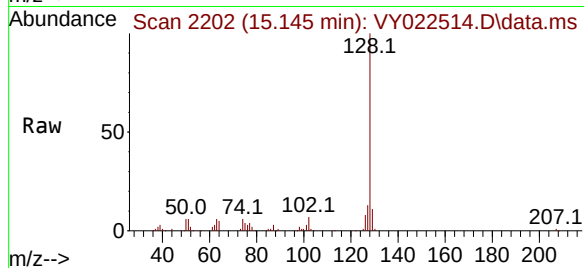
VY0603SBS01

Tgt Ion:	128	Resp:	7697
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.7	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.294 ug/l

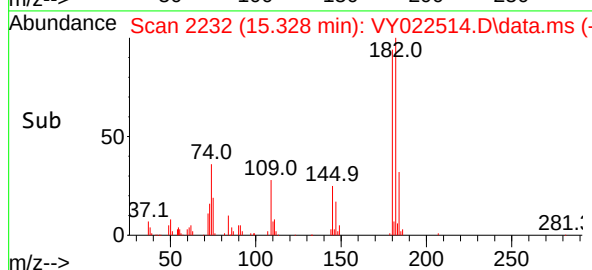
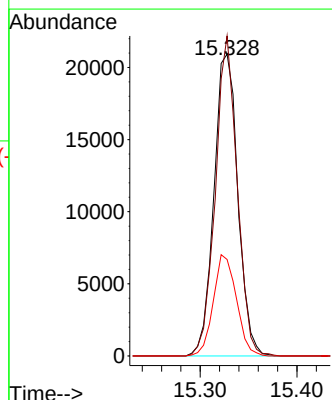
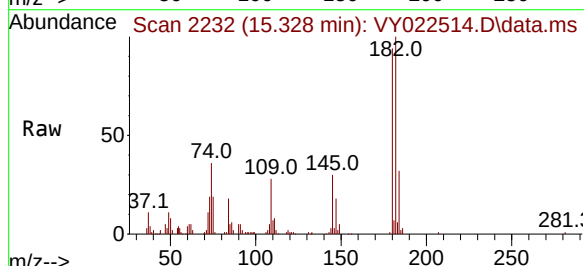
RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022514.D

Acq: 03 Jun 2025 11:38

Tgt Ion:	180	Resp:	35926
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.1	141.3
145	32.4	15.2	45.6



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
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



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

Manual Integration Report

Sequence:

vy060225

Instrument

MSVOA_y

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

vy060325

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022511.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:50 PM	Sam	6/4/2025 4:23:21 PM	Peak Integrated by Software
VSTDCCC050	VY022511.D	Methacrylonitrile	MMDadoda	6/4/2025 4:20:50 PM	Sam	6/4/2025 4:23:21 PM	Peak Integrated by Software
VY0603SBS01	VY022513.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:55 PM	Sam	6/4/2025 4:23:24 PM	Peak Integrated by Software
VY0603SBSD01	VY022514.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:57 PM	Sam	6/4/2025 4:23:29 PM	Peak Integrated by Software
VY0603SBSD01	VY022514.D	Methacrylonitrile	MMDadoda	6/4/2025 4:20:57 PM	Sam	6/4/2025 4:23:29 PM	Peak Integrated by Software
VSTDCCC050	VY022536.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:21:00 PM	Sam	6/4/2025 4:23:33 PM	Peak Integrated by Software
VSTDCCC050	VY022536.D	Methacrylonitrile	MMDadoda	6/4/2025 4:21:00 PM	Sam	6/4/2025 4:23:33 PM	Peak Integrated by Software

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	VY0602SBSD01	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/QCBatch 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 # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y060225s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134097		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134098,VP134099 VP133934		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022510.D	03 Jun 2025 09:03	SY/MD	Ok
2	VSTDCCC050	VY022511.D	03 Jun 2025 10:03	SY/MD	Ok,M
3	VY0603SBL01	VY022512.D	03 Jun 2025 10:40	SY/MD	Ok
4	VY0603SBS01	VY022513.D	03 Jun 2025 11:15	SY/MD	Ok,M
5	VY0603SBSD01	VY022514.D	03 Jun 2025 11:38	SY/MD	Ok,M
6	Q2155-01	VY022515.D	03 Jun 2025 12:17	SY/MD	Ok
7	Q2155-02	VY022516.D	03 Jun 2025 12:40	SY/MD	Ok,M
8	Q2185-02	VY022517.D	03 Jun 2025 13:04	SY/MD	Ok
9	Q2185-06	VY022518.D	03 Jun 2025 13:27	SY/MD	Ok
10	Q2172-02	VY022519.D	03 Jun 2025 13:51	SY/MD	Ok
11	Q2168-03	VY022520.D	03 Jun 2025 14:14	SY/MD	ReRun
12	Q2168-07	VY022521.D	03 Jun 2025 14:38	SY/MD	Dilution
13	Q2168-11	VY022522.D	03 Jun 2025 15:01	SY/MD	Dilution
14	Q2182-01	VY022523.D	03 Jun 2025 15:24	SY/MD	ReRun
15	Q2162-01	VY022524.D	03 Jun 2025 15:48	SY/MD	Ok
16	Q2161-02	VY022525.D	03 Jun 2025 16:11	SY/MD	Not Ok
17	Q2176-01	VY022526.D	03 Jun 2025 16:35	SY/MD	Ok
18	Q2176-02	VY022527.D	03 Jun 2025 16:58	SY/MD	Ok
19	Q2176-03	VY022528.D	03 Jun 2025 17:22	SY/MD	Ok
20	Q2176-04	VY022529.D	03 Jun 2025 17:45	SY/MD	Ok
21	Q2176-05	VY022530.D	03 Jun 2025 18:09	SY/MD	Ok

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM		
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134097			
CCC		VP134098,VP134099			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2176-06	VY022531.D	03 Jun 2025 18:32	SY/MD	Ok
23	Q2176-07	VY022532.D	03 Jun 2025 18:56	SY/MD	Ok
24	Q2176-08	VY022533.D	03 Jun 2025 19:19	SY/MD	Ok
25	Q2177-01	VY022534.D	03 Jun 2025 19:42	SY/MD	Ok
26	VIBLK	VY022535.D	03 Jun 2025 20:06	SY/MD	Ok
27	VSTDCCC050	VY022536.D	03 Jun 2025 20:51	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#	SampleID	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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY060325

Review By	Maresh Dadoda	Review On	6/4/2025 4:21:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM				
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		
STD. NAME	STD REF.#						
Tune/Reschk Initial Calibration Stds	VP134097						
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134098,VP134099 VP133934						
Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022510.D	03 Jun 2025 09:03		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022511.D	03 Jun 2025 10:03		SY/MD	Ok,M
3	VY0603SBL01	VY0603SBL01	VY022512.D	03 Jun 2025 10:40		SY/MD	Ok
4	VY0603SBS01	VY0603SBS01	VY022513.D	03 Jun 2025 11:15		SY/MD	Ok,M
5	VY0603SBSD01	VY0603SBSD01	VY022514.D	03 Jun 2025 11:38		SY/MD	Ok,M
6	Q2155-01	446	VY022515.D	03 Jun 2025 12:17	vial-A	SY/MD	Ok
7	Q2155-02	447-SOLID	VY022516.D	03 Jun 2025 12:40	vial-A	SY/MD	Ok,M
8	Q2185-02	TP02-MHB-VOC	VY022517.D	03 Jun 2025 13:04	vial-A	SY/MD	Ok
9	Q2185-06	TP01-MHB-VOC	VY022518.D	03 Jun 2025 13:27	vial-A	SY/MD	Ok
10	Q2172-02	TP06-MHQ-VOC	VY022519.D	03 Jun 2025 13:51	vial-A	SY/MD	Ok
11	Q2168-03	A3	VY022520.D	03 Jun 2025 14:14	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
12	Q2168-07	B3	VY022521.D	03 Jun 2025 14:38	vial-A Need MeOH;Internal Standard Fail	SY/MD	Dilution
13	Q2168-11	C2	VY022522.D	03 Jun 2025 15:01	vial-A Need MeOH;Internal Standard Fail	SY/MD	Dilution
14	Q2182-01	OR-03-06022025	VY022523.D	03 Jun 2025 15:24	vial-A Internal Standard Fail	SY/MD	ReRun
15	Q2162-01	BP-VPB-182-GW-580-5	VY022524.D	03 Jun 2025 15:48	vial-A	SY/MD	Ok
16	Q2161-02	B28-SOIL-SAMPLE	VY022525.D	03 Jun 2025 16:11	vial-B Not purge	SY/MD	Not Ok
17	Q2176-01	TP-46	VY022526.D	03 Jun 2025 16:35	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM		
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134097			
CCC		VP134098,VP134099			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2176-02	TP-56	VY022527.D	03 Jun 2025 16:58	vial-A	SY/MD	Ok
19	Q2176-03	TP-25	VY022528.D	03 Jun 2025 17:22	vial-A	SY/MD	Ok
20	Q2176-04	TP-26	VY022529.D	03 Jun 2025 17:45	vial-A	SY/MD	Ok
21	Q2176-05	TP-28	VY022530.D	03 Jun 2025 18:09	vial-A	SY/MD	Ok
22	Q2176-06	TP-27	VY022531.D	03 Jun 2025 18:32	vial-A	SY/MD	Ok
23	Q2176-07	TP-31	VY022532.D	03 Jun 2025 18:56	vial-A	SY/MD	Ok
24	Q2176-08	TP-65	VY022533.D	03 Jun 2025 19:19	vial-A	SY/MD	Ok
25	Q2177-01	B-187-SB00	VY022534.D	03 Jun 2025 19:42	vial-A	SY/MD	Ok
26	VIBLK	VIBLK	VY022535.D	03 Jun 2025 20:06		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VY022536.D	03 Jun 2025 20:51		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135973

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
Q2125-07	GSB3	25	1.14	10.44	11.58	10.36	88.3	
Q2167-01	52225	1	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2168-01	SAN-A1-A3	2	1.15	10.00	11.15	11.1	99.5	
Q2168-03	A3	3	1.19	10.12	11.31	11.27	99.6	
Q2168-05	SAN-B1-B3	4	1.19	10.16	11.35	11.31	99.6	
Q2168-07	B3	5	1.16	10.33	11.49	11.44	99.5	
Q2168-09	SAN-C1-C2	6	1.13	10.24	11.37	11.3	99.3	
Q2168-11	C2	7	1.17	10.38	11.55	11.31	97.7	
Q2171-01	5-28-25-A	8	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-02	5-28-25-B	9	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-03	51925	10	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2175-01	32525	11	1.00	1.00	2.00	2.00	100.0	debris
Q2175-02	52725	12	1.00	1.00	2.00	2.00	100.0	oil sample
Q2176-01	TP-46	13	1.19	10.63	11.82	10.09	83.7	
Q2176-02	TP-56	14	1.15	10.59	11.74	10.28	86.2	
Q2176-03	TP-25	15	1.16	10.29	11.45	9.98	85.7	
Q2176-04	TP-26	16	1.12	10.84	11.96	10.36	85.2	
Q2176-05	TP-28	17	1.18	10.51	11.69	10.69	90.5	
Q2176-06	TP-27	18	1.18	10.12	11.3	9.59	83.1	
Q2176-07	TP-31	19	1.18	10.64	11.82	10.42	86.8	
Q2176-08	TP-65	20	1.19	10.27	11.46	10.16	87.3	
Q2177-01	B-187-SB00	21	1.17	10.43	11.6	10.47	89.2	
Q2177-02	B-187-SB01	22	1.16	10.50	11.66	10.00	84.2	
Q2177-04	B-187-SB02	23	1.17	10.55	11.72	7.8	62.8	
Q2177-06	B-202-SB01	24	1.19	10.41	11.6	10.08	85.4	
Q2178-01	RT2929	26	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2179-01	D3	27	1.15	9.96	11.11	10.47	93.6	
Q2179-02	D4	28	1.19	10.03	11.22	10.38	91.6	

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135973

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
Q2179-03	D5	29	1.18	10.26	11.44	10.8	93.8	
Q2179-04	D6	30	1.16	10.80	11.96	11.54	96.1	
Q2183-01	BC205321-3-1	31	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-02	BC205321-3-2	32	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-03	BC205321-4-1	33	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-04	BC205321-4-2	34	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-05	BC205321-5-1	35	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-06	BC205321-5-2	36	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-07	BC205321-6-1	37	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-08	BC205321-6-2	38	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-01	245F54-1-1	39	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-02	245F54-1-2	40	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-03	BC226595-1-1	41	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-04	BC226595-1-2	42	1.00	1.00	2.00	2.00	100.0	oilc
Q2185-01	TP02-MHB-WC	43	1.15	10.68	11.83	10.28	85.5	
Q2185-02	TP02-MHB-VOC	44	1.13	10.62	11.75	10.58	89.0	
Q2185-03	TP02-MHB-EPH	45	1.15	10.26	11.41	10.00	86.3	
Q2185-05	TP01-MHB-WC	46	1.18	10.69	11.87	10.57	87.8	
Q2185-06	TP01-MHB-VOC	47	1.19	10.76	11.95	10.84	89.7	
Q2185-07	TP01-MHB-EPH	48	1.19	10.25	11.44	10.28	88.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

8735973

WorkList Name : %1-060225

WorkList ID : 189853

Department : Wet-Chemistry

Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2125-07	GSB3	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	05/23/2025	Chemtech -SO
Q2167-01	52225	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-01	SAN-A1-A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-03	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-05	SAN-B1-B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-07	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-09	SAN-C1-C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-11	C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-01	5-28-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-02	5-28-25-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-03	51925	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-01	32525	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-02	52725	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-01	TP-46	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-02	TP-56	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2176-03	TP-25	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-04	TP-26	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-05	TP-28	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-06	TP-27	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-07	TP-31	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-08	TP-65	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/30/2025	Chemtech -SO

Date/Time 06/02/25 15:13
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 06/02/25 17:25
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

135913

WorkList Name : %1-060225 WorkList ID : 189853 Department : Wet-Chemistry Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-01	B-187-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-02	B-187-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-04	B-187-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-06	B-202-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2178-01	RT2929	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	06/02/2025	Chemtech -SO
Q2179-01	D3	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-02	D4	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-03	D5	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-04	D6	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2183-01	BC205321-3-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-02	BC205321-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-03	BC205321-4-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-04	BC205321-4-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-05	BC205321-5-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-06	BC205321-5-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-07	BC205321-6-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-08	BC205321-6-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-01	245F54-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-02	245F54-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-03	BC226595-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-04	BC226595-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO

Date/Time 06/02/25 Date/Time 06/02/25
 Raw Sample Received by: SPW Raw Sample Received by: SPW
 Raw Sample Relinquished by: SPW Raw Sample Relinquished by: SPW

WORKLIST(Hardcopy Internal Chain)

135973

WorkList Name : %1-060225

WorkList ID : 189853

Department : Wet-Chemistry

Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2185-01	TP02-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-02	TP02-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-03	TP02-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-05	TP01-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-06	TP01-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-07	TP01-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO

Date/Time 06/02/25 15:15

Raw Sample Received by: SPW/C

Raw Sample Relinquished by: SPW/C

Date/Time 06/02/25 17:15

Raw Sample Received by: SPW/C

Raw Sample Relinquished by: SPW/C



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 732-590-4679 FAX: 732-225-7851

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO. 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 732-590-4679 FAX: 732-225-7851

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 732-590-4679

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ 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

TCL VOC
TCL SVOC
METALS
PCB
PESTICIDE
HERBICIDE
DRO/GRO

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-46	SOIL		X	5/28/25	1515	6	X	X	X	X	X	X	X			E
2.	TP-56	SOIL		X	5/29/25	0835	6	X	X	X	X	X	X	X			E
3.	TP-25	SOIL		X	5/29/25	0925	6	X	X	X	X	X	X	X			E
4.	TP-26	SOIL		X	5/29/25	1040	6	X	X	X	X	X	X	X			E
5.	TP-28	SOIL		X	5/29/25	1120	6	X	X	X	X	X	X	X			E
6.	TP-27	SOIL		X	5/29/25	1200	6	X	X	X	X	X	X	X			E
7.	TP-31	SOIL		X	5/29/25	1340	6	X	X	X	X	X	X	X			E
8.	TP-65	SOIL		X	5/30/25	1405	6	X	X	X	X	X	X	X			E
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 5/30/25/1600	RECEIVED BY: [Signature]	1600	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY:		Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 5-30-25	RECEIVED BY:		

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