

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:	P4600	OrderDate:	10/29/2024 10:17:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	CTO WE13
Contact:	Ernie Wu	Location:	K63,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4600-01	BP-VPB-190-TB-2024 1025	Water			10/25/24			10/28/24
			VOCMS Group1	8260-Low			10/29/24	
P4600-02	BP-VPB-190-DUP-202 41025	Water			10/25/24			10/28/24
			VOCMS Group1	8260-Low			10/29/24	
P4600-03	BP-VPB-190-GW-438- 440	Water			10/25/24			10/28/24
			VOCMS Group1	8260-Low			10/29/24	
P4600-04	BP-VPB-190-GW-458- 460	Water			10/25/24			10/28/24
			VOCMS Group1	8260-Low			10/29/24	
P4600-05	BP-VPB-190-GW-478- 480	Water			10/25/24			10/28/24
			VOCMS Group1	8260-Low			10/30/24	
P4600-06	BP-VPB-190-GW-498- 500	Water			10/25/24			10/28/24
			VOCMS Group1	8260-Low			10/29/24	
P4600-07	BP-VPB-190-GW-518- 520	Water			10/25/24			10/28/24
			VOCMS Group1	8260-Low			10/29/24	

Hit Summary Sheet
SW-846

SDG No.: P4600
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	BP-VPB-190-TB-20241025								
P4600-01	BP-VPB-190-TB-20 Water	Acetone		2.00	J	1.40	3.80	5.00	ug/L
P4600-01	BP-VPB-190-TB-20 Water	Methylene Chloride		0.73	J	0.32	0.50	1.00	ug/L
		Total Voc :		2.73					
		Total Concentration:		2.73					
Client ID:	BP-VPB-190-DUP-20241025								
P4600-02	BP-VPB-190-DUP- Water	Acetone		4.00	J	1.40	3.80	5.00	ug/L
		Total Voc :		4.00					
		Total Concentration:		4.00					
Client ID:	BP-VPB-190-GW-438-440								
P4600-03	BP-VPB-190-GW-4 Water	Acetone		3.30	J	1.40	3.80	5.00	ug/L
		Total Voc :		3.30					
		Total Concentration:		3.30					
Client ID:	BP-VPB-190-GW-458-460								
P4600-04	BP-VPB-190-GW-4 Water	Chloromethane		0.41	J	0.35	0.50	1.00	ug/L
P4600-04	BP-VPB-190-GW-4 Water	Acetone		5.10		1.40	3.80	5.00	ug/L
		Total Voc :		5.51					
		Total Concentration:		5.51					
Client ID:	BP-VPB-190-GW-478-480								
P4600-05	BP-VPB-190-GW-4 Water	Acetone		3.40	J	1.40	3.80	5.00	ug/L
		Total Voc :		3.40					
		Total Concentration:		3.40					
Client ID:	BP-VPB-190-GW-498-500								
P4600-06	BP-VPB-190-GW-4 Water	Acetone		10.6		1.40	3.80	5.00	ug/L
		Total Voc :		10.6					
		Total Concentration:		10.6					
Client ID:	BP-VPB-190-GW-518-520								
P4600-07	BP-VPB-190-GW-5 Water	Acetone		3.60	J	1.40	3.80	5.00	ug/L
		Total Voc :		3.60					
		Total Concentration:		3.60					



QC SUMMARY

Surrogate Summary

SDG No.: **P4600**

Client: **Tetra Tech NUS, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4600-01	BP-VPB-190-TB-20241025	1,2-Dichloroethane-d4	50	43.6	87	81	118
		Dibromofluoromethane	50	45.3	91	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	46.5	93	85	114
P4600-02	BP-VPB-190-DUP-20241025	1,2-Dichloroethane-d4	50	44.0	88	81	118
		Dibromofluoromethane	50	45.8	92	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	45.4	91	85	114
P4600-03	BP-VPB-190-GW-438-440	1,2-Dichloroethane-d4	50	43.3	87	81	118
		Dibromofluoromethane	50	45.2	90	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
P4600-04	BP-VPB-190-GW-458-460	1,2-Dichloroethane-d4	50	47.1	94	81	118
		Dibromofluoromethane	50	46.9	94	80	119
		Toluene-d8	50	51.4	103	89	112
		4-Bromofluorobenzene	50	51.1	102	85	114
P4600-05	BP-VPB-190-GW-478-480	1,2-Dichloroethane-d4	50	42.0	84	81	118
		Dibromofluoromethane	50	46.0	92	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
P4600-06	BP-VPB-190-GW-498-500	1,2-Dichloroethane-d4	50	43.8	88	81	118
		Dibromofluoromethane	50	45.9	92	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	51.2	102	85	114
P4600-07	BP-VPB-190-GW-518-520	1,2-Dichloroethane-d4	50	42.8	85	81	118
		Dibromofluoromethane	50	45.2	90	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	48.3	97	85	114
VX1029WBL01	VX1029WBL01	1,2-Dichloroethane-d4	50	43.4	87	81	118
		Dibromofluoromethane	50	45.5	91	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	50.6	101	85	114
VX1029WBS01	VX1029WBS01	1,2-Dichloroethane-d4	50	42.1	84	81	118
		Dibromofluoromethane	50	46.6	93	80	119
		Toluene-d8	50	48.3	97	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
VX1029WBSD0	VX1029WBSD01	1,2-Dichloroethane-d4	50	42.9	86	81	118
		Dibromofluoromethane	50	47.2	94	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
VX1030WBL01	VX1030WBL01	1,2-Dichloroethane-d4	50	44.0	88	81	118
		Dibromofluoromethane	50	45.0	90	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
VX1030WBS01	VX1030WBS01	1,2-Dichloroethane-d4	50	46.0	92	81	118
		Dibromofluoromethane	50	48.0	96	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	52.0	104	85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4600

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX043586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1029WBS01	Chloromethane	20	16.0	ug/L	80			50	139	
	Vinyl chloride	20	18.2	ug/L	91			58	137	
	Bromomethane	20	17.4	ug/L	87			53	141	
	Chloroethane	20	19.0	ug/L	95			60	138	
	Trichlorofluoromethane	20	20.7	ug/L	104			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/L	107			70	136	
	1,1-Dichloroethene	20	19.4	ug/L	97			71	131	
	Acetone	100	92.3	ug/L	92			39	160	
	Carbon disulfide	20	18.2	ug/L	91			64	133	
	Methyl tert-butyl Ether	20	17.4	ug/L	87			71	124	
	Methylene Chloride	20	17.1	ug/L	86			74	124	
	trans-1,2-Dichloroethene	20	19.3	ug/L	97			75	124	
	1,1-Dichloroethane	20	17.9	ug/L	90			77	125	
	2-Butanone	100	86.1	ug/L	86			56	143	
	Carbon Tetrachloride	20	20.1	ug/L	101			72	136	
	cis-1,2-Dichloroethene	20	18.4	ug/L	92			78	123	
	Chloroform	20	18.1	ug/L	91			79	124	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			74	131	
	Methylcyclohexane	20	21.3	ug/L	106			72	132	
	Benzene	20	18.9	ug/L	95			79	120	
	1,2-Dichloroethane	20	18.3	ug/L	92			73	128	
	Trichloroethene	20	19.6	ug/L	98			79	123	
	1,2-Dichloropropane	20	18.2	ug/L	91			78	122	
	Bromodichloromethane	20	18.3	ug/L	92			79	125	
	4-Methyl-2-Pentanone	100	90.2	ug/L	90			67	130	
	Toluene	20	19.9	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	17.7	ug/L	89			73	127	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	18.8	ug/L	94			80	119	
	2-Hexanone	100	91.2	ug/L	91			57	139	
	Dibromochloromethane	20	18.7	ug/L	94			74	126	
	Tetrachloroethene	20	21.2	ug/L	106			74	129	
	Chlorobenzene	20	19.4	ug/L	97			82	118	
	Ethyl Benzene	20	20.2	ug/L	101			79	121	
	m/p-Xylenes	40	40.6	ug/L	102			80	121	
	o-Xylene	20	20.1	ug/L	101			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	17.8	ug/L	89			66	130	
	Isopropylbenzene	20	20.5	ug/L	103			72	131	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			71	121	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	19.3	ug/L	97			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4600

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX043587.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1029WBSD01	Chloromethane	20	16.6	ug/L	83	4		50	139	20
	Vinyl chloride	20	18.1	ug/L	91	0		58	137	20
	Bromomethane	20	18.6	ug/L	93	7		53	141	20
	Chloroethane	20	18.9	ug/L	95	0		60	138	20
	Trichlorofluoromethane	20	20.6	ug/L	103	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99	8		70	136	20
	1,1-Dichloroethene	20	19.1	ug/L	96	1		71	131	20
	Acetone	100	95.8	ug/L	96	4		39	160	20
	Carbon disulfide	20	18.1	ug/L	91	0		64	133	20
	Methyl tert-butyl Ether	20	17.9	ug/L	90	3		71	124	20
	Methylene Chloride	20	17.0	ug/L	85	1		74	124	20
	trans-1,2-Dichloroethene	20	18.7	ug/L	94	3		75	124	20
	1,1-Dichloroethane	20	18.4	ug/L	92	2		77	125	20
	2-Butanone	100	91.3	ug/L	91	6		56	143	20
	Carbon Tetrachloride	20	20.0	ug/L	100	1		72	136	20
	cis-1,2-Dichloroethene	20	18.6	ug/L	93	1		78	123	20
	Chloroform	20	18.3	ug/L	92	1		79	124	20
	1,1,1-Trichloroethane	20	19.1	ug/L	96	1		74	131	20
	Methylcyclohexane	20	21.0	ug/L	105	1		72	132	20
	Benzene	20	19.5	ug/L	98	3		79	120	20
	1,2-Dichloroethane	20	19.2	ug/L	96	4		73	128	20
	Trichloroethene	20	19.5	ug/L	98	0		79	123	20
	1,2-Dichloropropane	20	19.1	ug/L	96	5		78	122	20
	Bromodichloromethane	20	18.9	ug/L	95	3		79	125	20
	4-Methyl-2-Pentanone	100	98.8	ug/L	99	10		67	130	20
	Toluene	20	20.2	ug/L	101	1		80	121	20
	t-1,3-Dichloropropene	20	19.1	ug/L	96	8		73	127	20
	cis-1,3-Dichloropropene	20	20.1	ug/L	101	3		75	124	20
	1,1,2-Trichloroethane	20	20.3	ug/L	102	8		80	119	20
	2-Hexanone	100	100	ug/L	100	9		57	139	20
	Dibromochloromethane	20	19.6	ug/L	98	4		74	126	20
	Tetrachloroethene	20	21.1	ug/L	106	0		74	129	20
	Chlorobenzene	20	19.8	ug/L	99	2		82	118	20
	Ethyl Benzene	20	20.2	ug/L	101	0		79	121	20
	m/p-Xylenes	40	41.9	ug/L	105	3		80	121	20
	o-Xylene	20	20.8	ug/L	104	3		78	122	20
	Styrene	20	20.5	ug/L	103	2		78	123	20
	Bromoform	20	18.8	ug/L	94	5		66	130	20
	Isopropylbenzene	20	20.5	ug/L	103	0		72	131	20
	1,1,2,2-Tetrachloroethane	20	19.6	ug/L	98	5		71	121	20
	1,3-Dichlorobenzene	20	20.0	ug/L	100	1		80	119	20
	1,4-Dichlorobenzene	20	19.1	ug/L	96	1		79	118	20
	1,2-Dichlorobenzene	20	20.1	ug/L	101	4		80	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **P4600**

Client: **Tetra Tech NUS, Inc.**

Analytical Method: **SW8260-Low**

Datafile : VX043613.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1030WBS01	Chloromethane	20	17.0	ug/L	85			50	139	
	Vinyl chloride	20	18.0	ug/L	90			58	137	
	Bromomethane	20	19.0	ug/L	95			53	141	
	Chloroethane	20	18.0	ug/L	90			60	138	
	Trichlorofluoromethane	20	18.0	ug/L	90			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.0	ug/L	95			70	136	
	1,1-Dichloroethene	20	18.0	ug/L	90			71	131	
	Acetone	100	99.0	ug/L	99			39	160	
	Carbon disulfide	20	15.0	ug/L	75			64	133	
	Methyl tert-butyl Ether	20	19.0	ug/L	95			71	124	
	Methylene Chloride	20	18.0	ug/L	90			74	124	
	trans-1,2-Dichloroethene	20	18.0	ug/L	90			75	124	
	1,1-Dichloroethane	20	18.0	ug/L	90			77	125	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	18.0	ug/L	90			72	136	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			78	123	
	Chloroform	20	19.0	ug/L	95			79	124	
	1,1,1-Trichloroethane	20	18.0	ug/L	90			74	131	
	Methylcyclohexane	20	19.0	ug/L	95			72	132	
	Benzene	20	19.0	ug/L	95			79	120	
	1,2-Dichloroethane	20	19.0	ug/L	95			73	128	
	Trichloroethene	20	18.0	ug/L	90			79	123	
	1,2-Dichloropropane	20	19.0	ug/L	95			78	122	
	Bromodichloromethane	20	19.0	ug/L	95			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	20.0	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	18.0	ug/L	90			73	127	
	cis-1,3-Dichloropropene	20	20.0	ug/L	100			75	124	
	1,1,2-Trichloroethane	20	20.0	ug/L	100			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	19.0	ug/L	95			74	126	
	Tetrachloroethene	20	19.0	ug/L	95			74	129	
	Chlorobenzene	20	19.0	ug/L	95			82	118	
	Ethyl Benzene	20	19.0	ug/L	95			79	121	
	m/p-Xylenes	40	39.0	ug/L	98			80	121	
	o-Xylene	20	20.0	ug/L	100			78	122	
	Styrene	20	20.0	ug/L	100			78	123	
	Bromoform	20	18.0	ug/L	90			66	130	
	Isopropylbenzene	20	19.0	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	19.0	ug/L	95			71	121	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			80	119	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			79	118	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			80	119	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1029WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: P4600

SAS No.: P4600 SDG NO.: P4600

Lab File ID: VX043585.D

Lab Sample ID: VX1029WBL01

Date Analyzed: 10/29/2024

Time Analyzed: 10:31

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1029WBS01	VX1029WBS01	VX043586.D	10/29/2024
VX1029WBSD01	VX1029WBSD01	VX043587.D	10/29/2024
BP-VPB-190-TB-20241025	P4600-01	VX043599.D	10/29/2024
BP-VPB-190-DUP-20241025	P4600-02	VX043600.D	10/29/2024
BP-VPB-190-GW-438-440	P4600-03	VX043601.D	10/29/2024
BP-VPB-190-GW-458-460	P4600-04	VX043602.D	10/29/2024
BP-VPB-190-GW-498-500	P4600-06	VX043604.D	10/29/2024
BP-VPB-190-GW-518-520	P4600-07	VX043605.D	10/29/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1030WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: P4600

SAS No.: P4600 SDG NO.: P4600

Lab File ID: VX043612.D

Lab Sample ID: VX1030WBL01

Date Analyzed: 10/30/2024

Time Analyzed: 10:22

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1030WBS01	VX1030WBS01	VX043613.D	10/30/2024
BP-VPB-190-GW-478-480	P4600-05	VX043616.D	10/30/2024

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600
Lab File ID: VX043555.D BFB Injection Date: 10/28/2024
Instrument ID: MSVOA_X BFB Injection Time: 10:09
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.8
75	30.0 - 60.0% of mass 95	50.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	71.2
175	5.0 - 9.0% of mass 174	5.6 (7.9) 1
176	95.0 - 101.0% of mass 174	68.9 (96.7) 1
177	5.0 - 9.0% of mass 176	4.1 (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
VSTDIC001	VSTDIC001	VX043556.D	10/28/2024	10:59
VSTDIC005	VSTDIC005	VX043557.D	10/28/2024	11:22
VSTDIC020	VSTDIC020	VX043558.D	10/28/2024	11:45
VSTDIC050	VSTDIC050	VX043559.D	10/28/2024	12:08
VSTDIC100	VSTDIC100	VX043560.D	10/28/2024	12:31
VSTDIC150	VSTDIC150	VX043561.D	10/28/2024	12:54



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600
Lab File ID: VX043582.D BFB Injection Date: 10/29/2024
Instrument ID: MSVOA_X BFB Injection Time: 08:30
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.5 (96.2) 1
177	5.0 - 9.0% of mass 176	4.7 (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
VSTDCCC050	VSTDCCC050	VX043583.D	10/29/2024	09:29
VX1029WBL01	VX1029WBL01	VX043585.D	10/29/2024	10:31
VX1029WBS01	VX1029WBS01	VX043586.D	10/29/2024	10:57
VX1029WBSD01	VX1029WBSD01	VX043587.D	10/29/2024	11:20
BP-VPB-190-TB-20241025	P4600-01	VX043599.D	10/29/2024	16:01
BP-VPB-190-DUP-20241025	P4600-02	VX043600.D	10/29/2024	16:24
BP-VPB-190-GW-438-440	P4600-03	VX043601.D	10/29/2024	16:48
BP-VPB-190-GW-458-460	P4600-04	VX043602.D	10/29/2024	17:11
BP-VPB-190-GW-498-500	P4600-06	VX043604.D	10/29/2024	17:57
BP-VPB-190-GW-518-520	P4600-07	VX043605.D	10/29/2024	18:20
VSTDCCC050EC	VSTDCCC050	VX043608.D	10/29/2024	19:29



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600
Lab File ID: VX043609.D BFB Injection Date: 10/30/2024
Instrument ID: MSVOA_X BFB Injection Time: 08:59
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	46.7
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	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	72
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	70.9 (98.5) 1
177	5.0 - 9.0% of mass 176	4.2 (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
VSTDCCC050	VSTDCCC050	VX043610.D	10/30/2024	09:26
VX1030WBL01	VX1030WBL01	VX043612.D	10/30/2024	10:22
VX1030WBS01	VX1030WBS01	VX043613.D	10/30/2024	10:56
BP-VPB-190-GW-478-480	P4600-05	VX043616.D	10/30/2024	12:06
VSTDCCC050EC	VSTDCCC050	VX043635.D	10/30/2024	19:25

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600
Lab File ID: VX043583.D Date Analyzed: 10/29/2024
Instrument ID: MSVOA_X Time Analyzed: 09:29
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	185040	5.54	317661	6.76	277122	10.06
UPPER LIMIT	370080	6.044	635322	7.257	554244	10.555
LOWER LIMIT	92520	5.044	158831	6.257	138561	9.555
EPA SAMPLE NO.						
BP-VPB-190-TB-20241025	143669	5.55	269321	6.76	235549	10.06
BP-VPB-190-DUP-20241025	157457	5.54	292690	6.76	249474	10.06
BP-VPB-190-GW-438-440	143380	5.55	264264	6.76	234277	10.06
BP-VPB-190-GW-458-460	106562	5.55	197540	6.76	185294	10.06
BP-VPB-190-GW-498-500	128235	5.55	237971	6.76	216332	10.06
BP-VPB-190-GW-518-520	133601	5.54	245193	6.76	219937	10.06
VX1029WBL01	160199	5.55	295395	6.76	265502	10.06
VX1029WBS01	202431	5.54	352202	6.76	294857	10.06
VX1029WBSD01	180366	5.55	312050	6.76	270005	10.06

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: TETR06
Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600
Lab File ID: VX043583.D Date Analyzed: 10/29/2024
Instrument ID: MSVOA_X Time Analyzed: 09:29
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	136145	12.018				
UPPER LIMIT	272290	12.518				
LOWER LIMIT	68072.5	11.518				
EPA SAMPLE NO.						
BP-VPB-190-TB-20241025	104072	12.02				
BP-VPB-190-DUP-20241025	109255	12.02				
BP-VPB-190-GW-438-440	105995	12.02				
BP-VPB-190-GW-458-460	83818	12.02				
BP-VPB-190-GW-498-500	99219	12.02				
BP-VPB-190-GW-518-520	98034	12.02				
VX1029WBL01	128354	12.02				
VX1029WBS01	142936	12.02				
VX1029WBSD01	131226	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600
Lab File ID: VX043610.D Date Analyzed: 10/30/2024
Instrument ID: MSVOA_X Time Analyzed: 09:26
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	150073	5.54	269353	6.76	239151	10.06
UPPER LIMIT	300146	6.044	538706	7.257	478302	10.555
LOWER LIMIT	75036.5	5.044	134677	6.257	119576	9.555
EPA SAMPLE NO.						
BP-VPB-190-GW-478-480	143159	5.55	259096	6.76	228779	10.06
VX1030WBL01	124305	5.54	229429	6.76	204357	10.06
VX1030WBS01	148306	5.54	264784	6.76	239021	10.06

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: TETR06
 Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600
 Lab File ID: VX043610.D Date Analyzed: 10/30/2024
 Instrument ID: MSVOA_X Time Analyzed: 09:26
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	115673	12.018				
UPPER LIMIT	231346	12.518				
LOWER LIMIT	57836.5	11.518				
EPA SAMPLE NO.						
BP-VPB-190-GW-478-480	100346	12.02				
VX1030WBL01	87309	12.02				
VX1030WBS01	117960	12.02				

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:	Tetra Tech NUS, Inc.			Date Collected:	10/25/24	
Project:	CTO WE13			Date Received:	10/28/24	
Client Sample ID:	BP-VPB-190-TB-20241025			SDG No.:	P4600	
Lab Sample ID:	P4600-01			Matrix:	Water	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043599.D	1		10/29/24 16:01	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.00	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.73	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	10/25/24		
Project:	CTO WE13			Date Received:	10/28/24		
Client Sample ID:	BP-VPB-190-TB-20241025			SDG No.:	P4600		
Lab Sample ID:	P4600-01			Matrix:	Water		
Analytical Method:	SW8260			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:			uL	Test:	VOCMS Group1		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043599.D	1		10/29/24 16:01	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.6		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.3		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	144000	5.55				
540-36-3	1,4-Difluorobenzene	269000	6.757				
3114-55-4	Chlorobenzene-d5	236000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	104000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	10/25/24	
Project:	CTO WE13		Date Received:	10/28/24	
Client Sample ID:	BP-VPB-190-TB-20241025		SDG No.:	P4600	
Lab Sample ID:	P4600-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043599.D	1		10/29/24 16:01	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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_X\Data\VX102924\
 Data File : VX043599.D
 Acq On : 29 Oct 2024 16:01
 Operator : JC/MD
 Sample : P4600-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190-TB-20241025

Quant Time: Oct 30 01:34:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

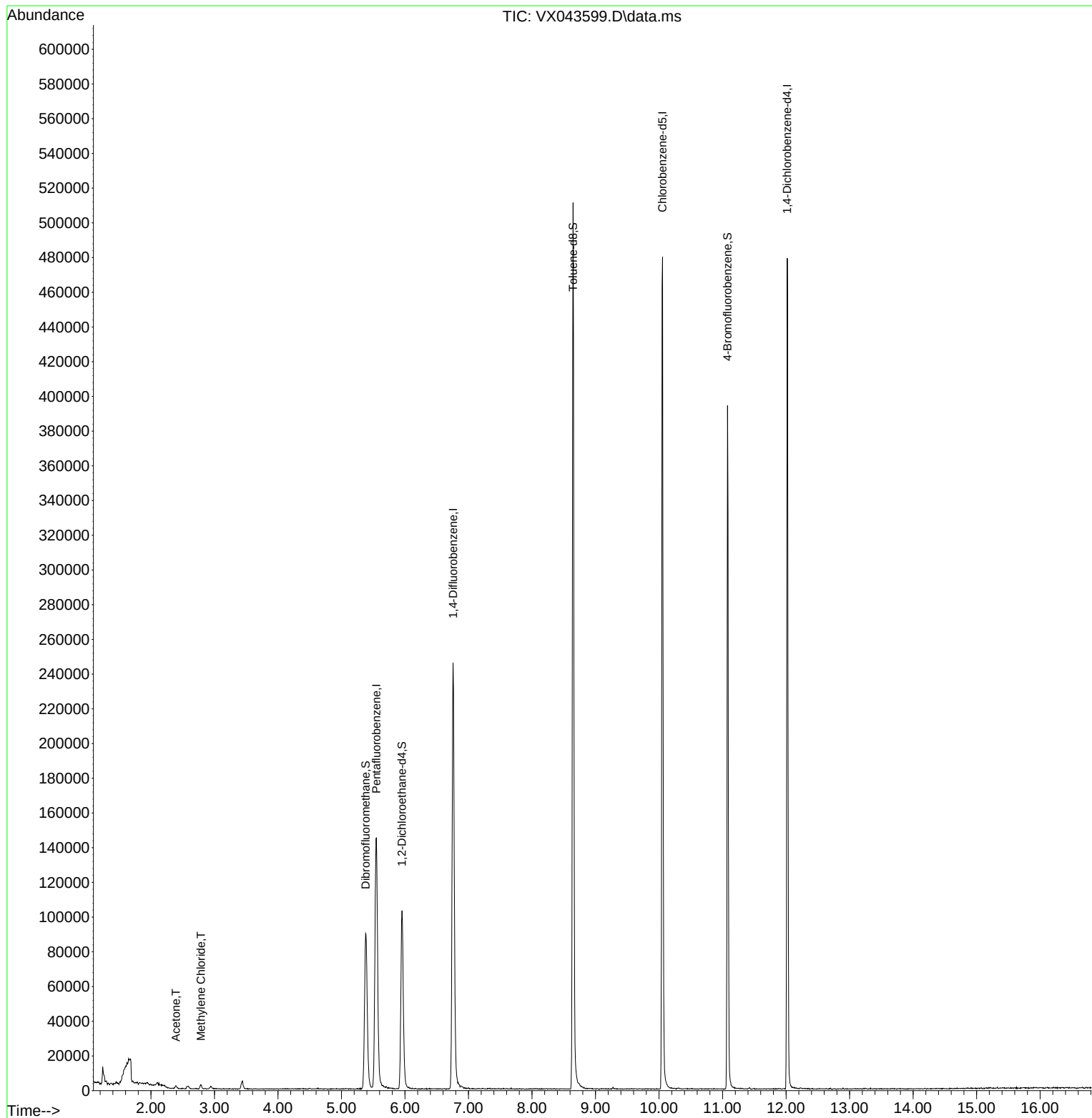
Internal Standards						
1) Pentafluorobenzene	5.550	168	143669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	269321	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99990	43.648	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.300%		
35) Dibromofluoromethane	5.379	113	82733	45.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.600%		
50) Toluene-d8	8.647	98	316435	50.054	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.100%		
62) 4-Bromofluorobenzene	11.079	95	108968	46.517	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.040%		
Target Compounds						
16) Acetone	2.392	43	1848	2.031	ug/l	97
20) Methylene Chloride	2.788	84	1425	0.727	ug/l	91

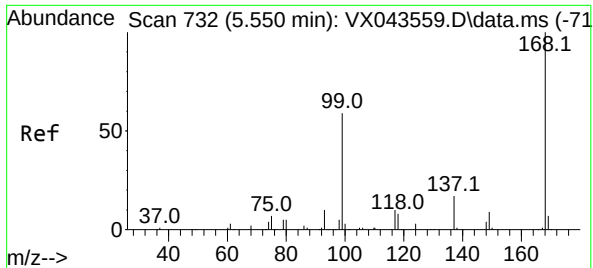
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043599.D
Acq On : 29 Oct 2024 16:01
Operator : JC/MD
Sample : P4600-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Quant Time: Oct 30 01:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX043599.D

Acq: 29 Oct 2024 16:01

Instrument :

MSVOA_X

ClientSampleId :

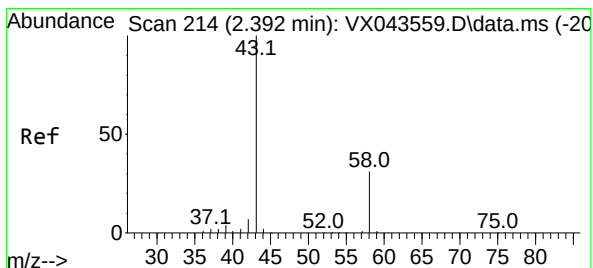
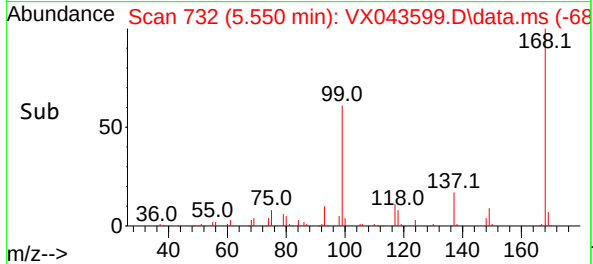
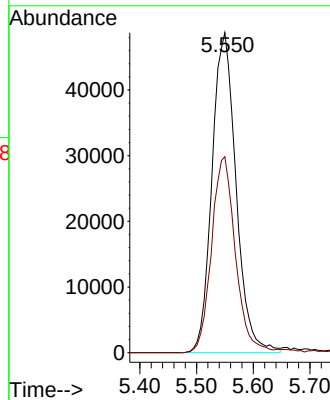
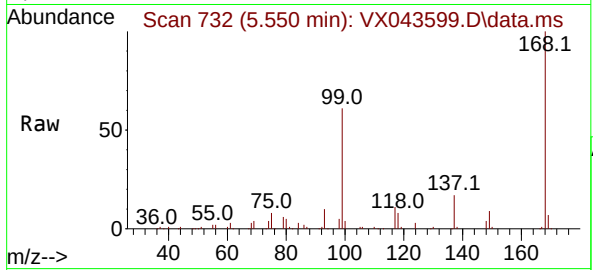
BP-VPB-190-TB-20241025

Tgt Ion:168 Resp: 143669

Ion Ratio Lower Upper

168 100

99 61.3 52.6 78.8



#16

Acetone

Concen: 2.031 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043599.D

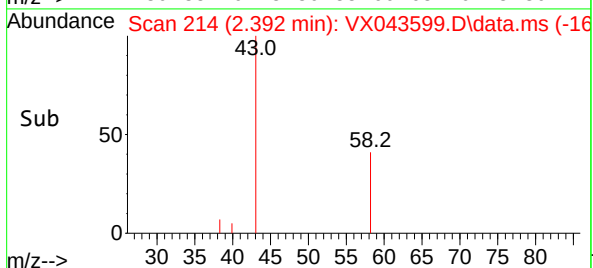
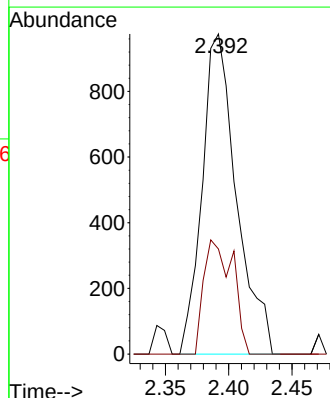
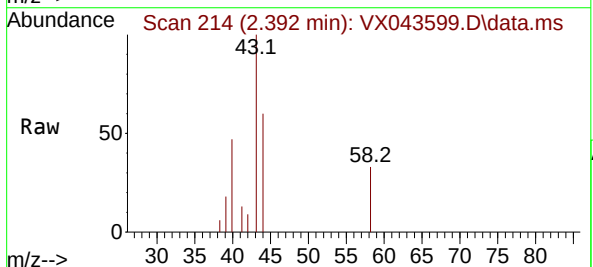
Acq: 29 Oct 2024 16:01

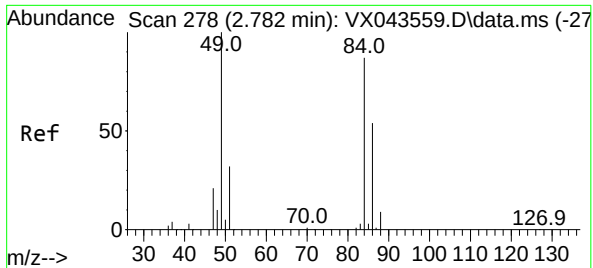
Tgt Ion: 43 Resp: 1848

Ion Ratio Lower Upper

43 100

58 32.8 25.1 37.7





#20

Methylene Chloride

Concen: 0.727 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX043599.D

Acq: 29 Oct 2024 16:01

Instrument :

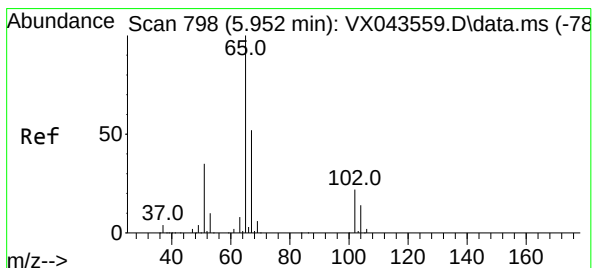
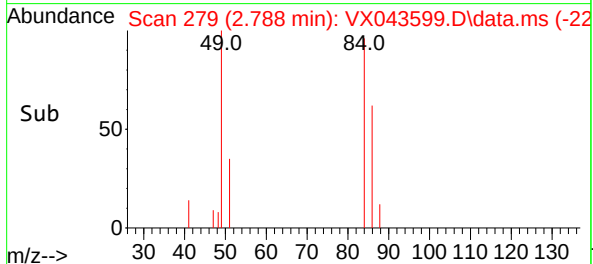
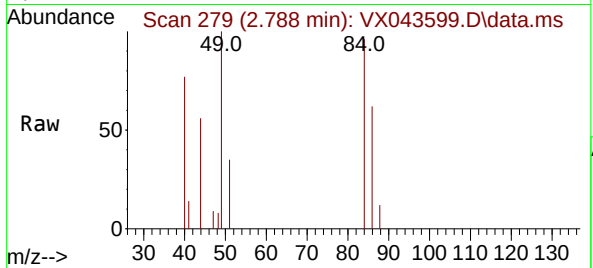
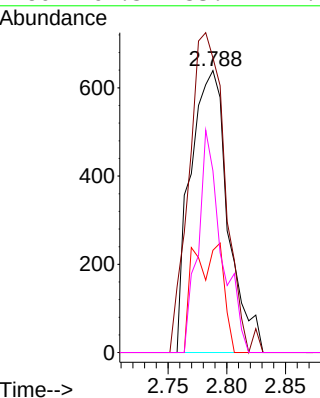
MSVOA_X

ClientSampleId :

BP-VPB-190-TB-20241025

Tgt Ion: 84 Resp: 1425

Ion	Ratio	Lower	Upper
84	100		
49	104.5	97.0	145.6
51	36.3	29.8	44.8
86	64.5	53.1	79.7



#33

1,2-Dichloroethane-d4

Concen: 43.648 ug/l

RT: 5.952 min Scan# 798

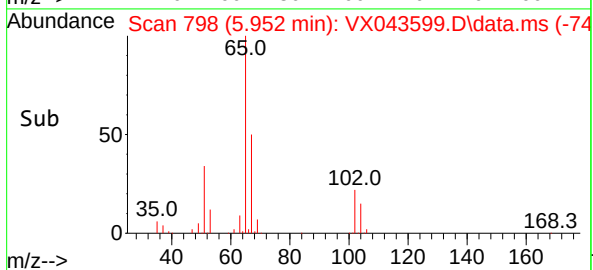
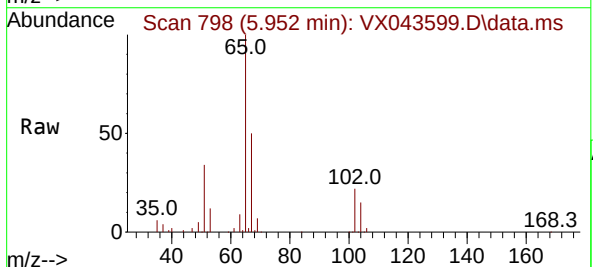
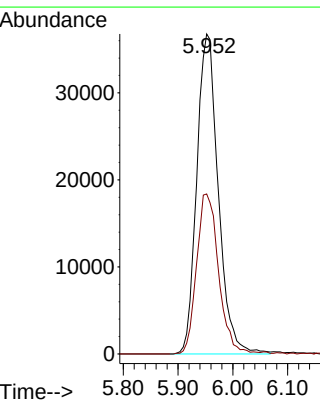
Delta R.T. 0.000 min

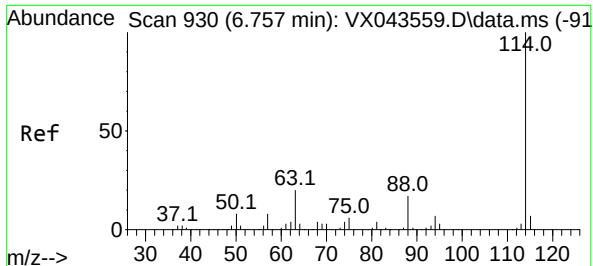
Lab File: VX043599.D

Acq: 29 Oct 2024 16:01

Tgt Ion: 65 Resp: 99990

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.4

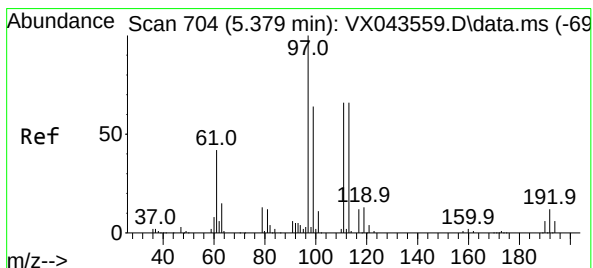
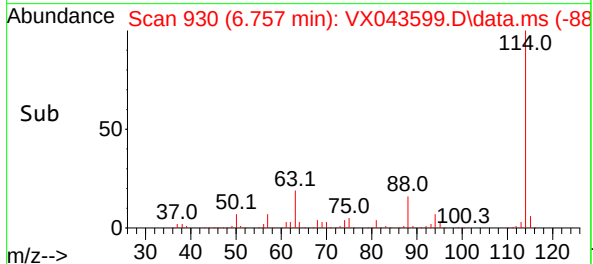
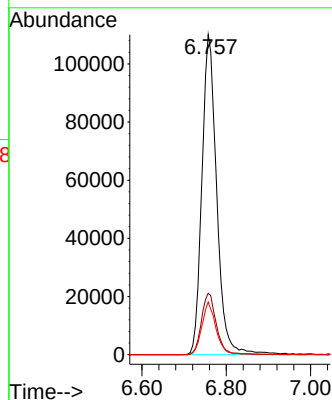
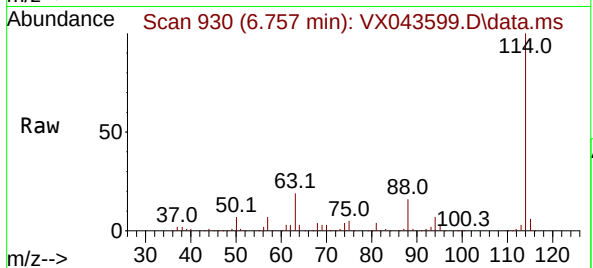




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

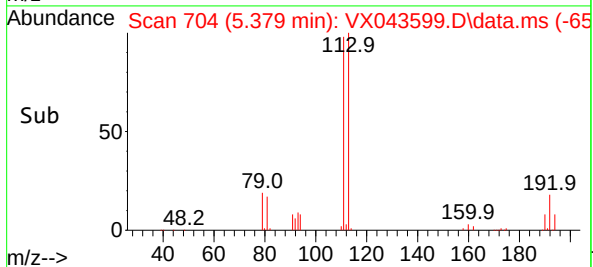
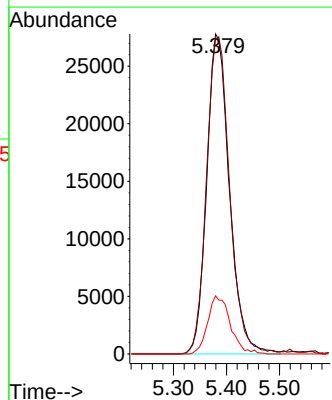
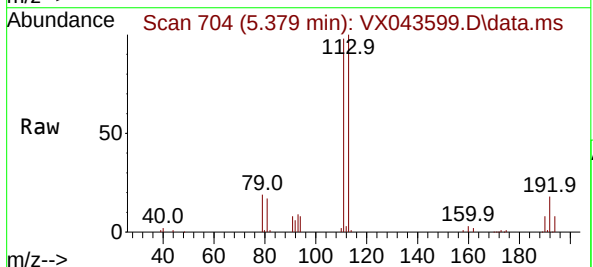
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

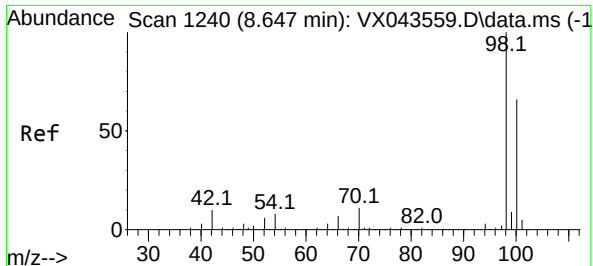
Tgt Ion:114 Resp: 269321
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.2
88 16.5 0.0 34.0



#35
Dibromofluoromethane
Concen: 45.302 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Tgt Ion:113 Resp: 82733
Ion Ratio Lower Upper
113 100
111 101.3 81.4 122.0
192 18.0 14.1 21.1

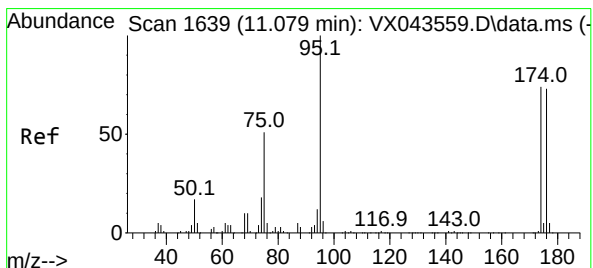
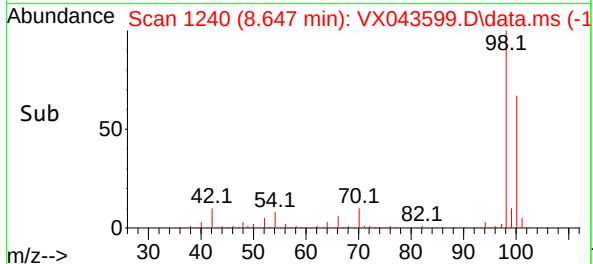
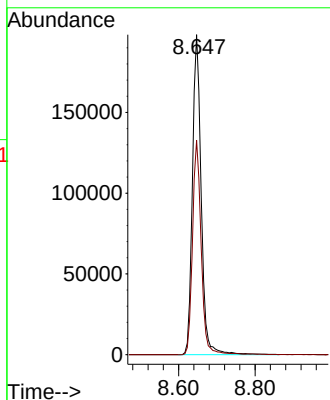
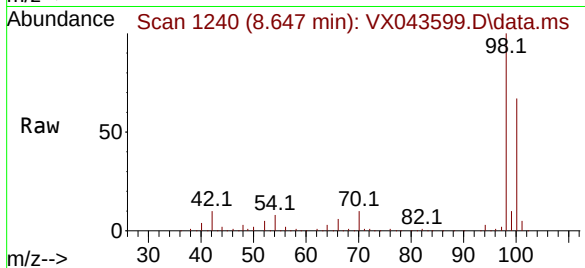




#50
Toluene-d8
Concen: 50.054 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

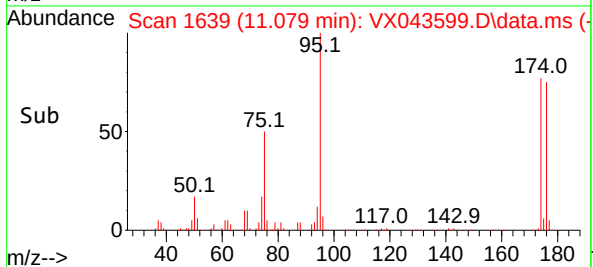
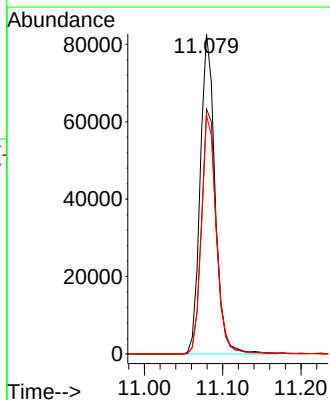
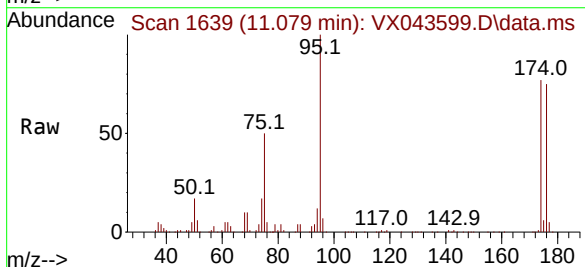
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

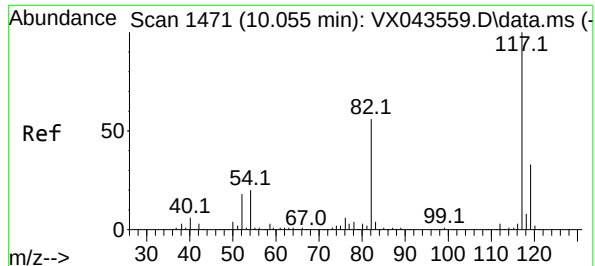
Tgt Ion: 98 Resp: 316435
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 46.517 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Tgt Ion: 95 Resp: 108968
Ion Ratio Lower Upper
95 100
174 76.7 0.0 146.6
176 74.7 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043599.D

Acq: 29 Oct 2024 16:01

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-TB-20241025

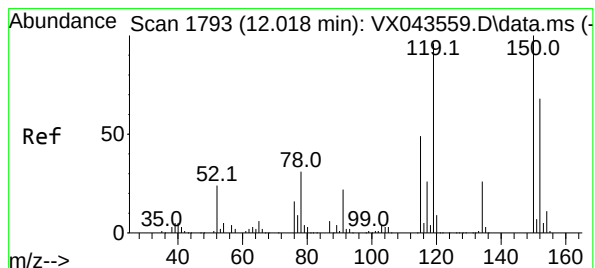
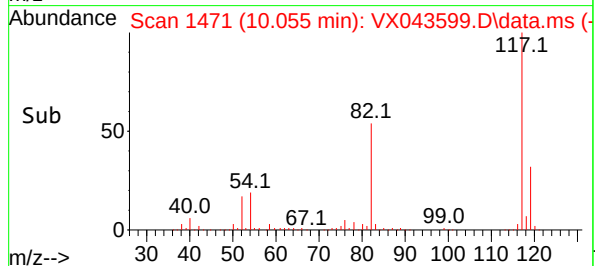
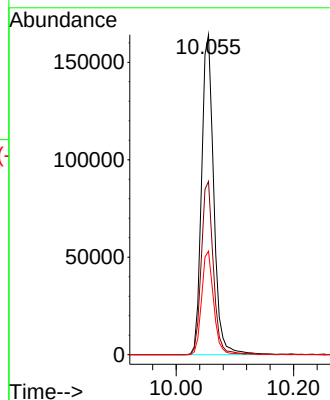
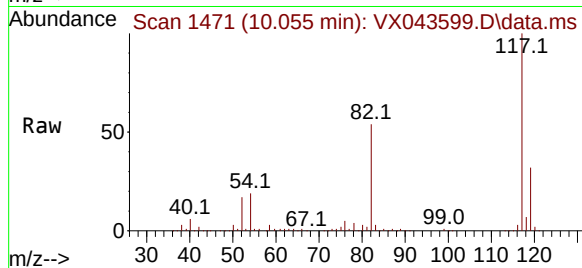
Tgt Ion:117 Resp: 235549

Ion Ratio Lower Upper

117 100

82 54.1 42.1 63.1

119 32.3 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043599.D

Acq: 29 Oct 2024 16:01

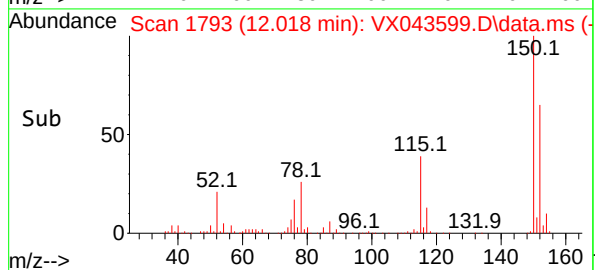
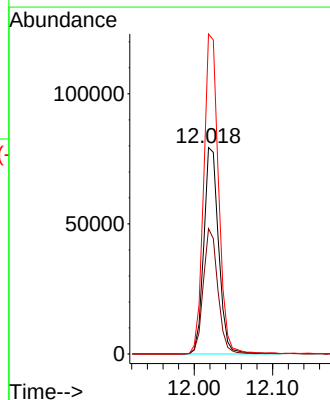
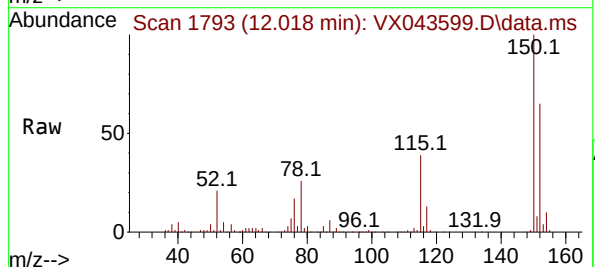
Tgt Ion:152 Resp: 104072

Ion Ratio Lower Upper

152 100

115 59.9 42.9 128.7

150 155.7 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043599.D
Acq On : 29 Oct 2024 16:01
Operator : JC/MD
Sample : P4600-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

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_X\Method\82X102824W.M

Title : SW846 8260

Signal : TIC: VX043599.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	31	rBV	9993	16886	2.06%	0.395%
2	1.624	71	88	89	rBV5	11440	44029	5.36%	1.030%
3	3.440	378	386	394	rVB2	4571	9782	1.19%	0.229%
4	5.379	693	704	720	rBV2	89650	269154	32.78%	6.295%
5	5.550	721	732	746	rVV	143551	420823	51.26%	9.842%
6	5.952	788	798	814	rBV2	102663	275212	33.52%	6.436%
7	6.757	919	930	942	rBV	245606	595116	72.49%	13.918%
8	8.647	1233	1240	1260	rBV	510768	820980	100.00%	19.200%
9	10.055	1465	1471	1490	rBV	479431	696889	84.89%	16.298%
10	11.079	1634	1639	1652	rBV	393667	510943	62.24%	11.949%
11	12.018	1788	1793	1805	rBV	478744	616177	75.05%	14.410%

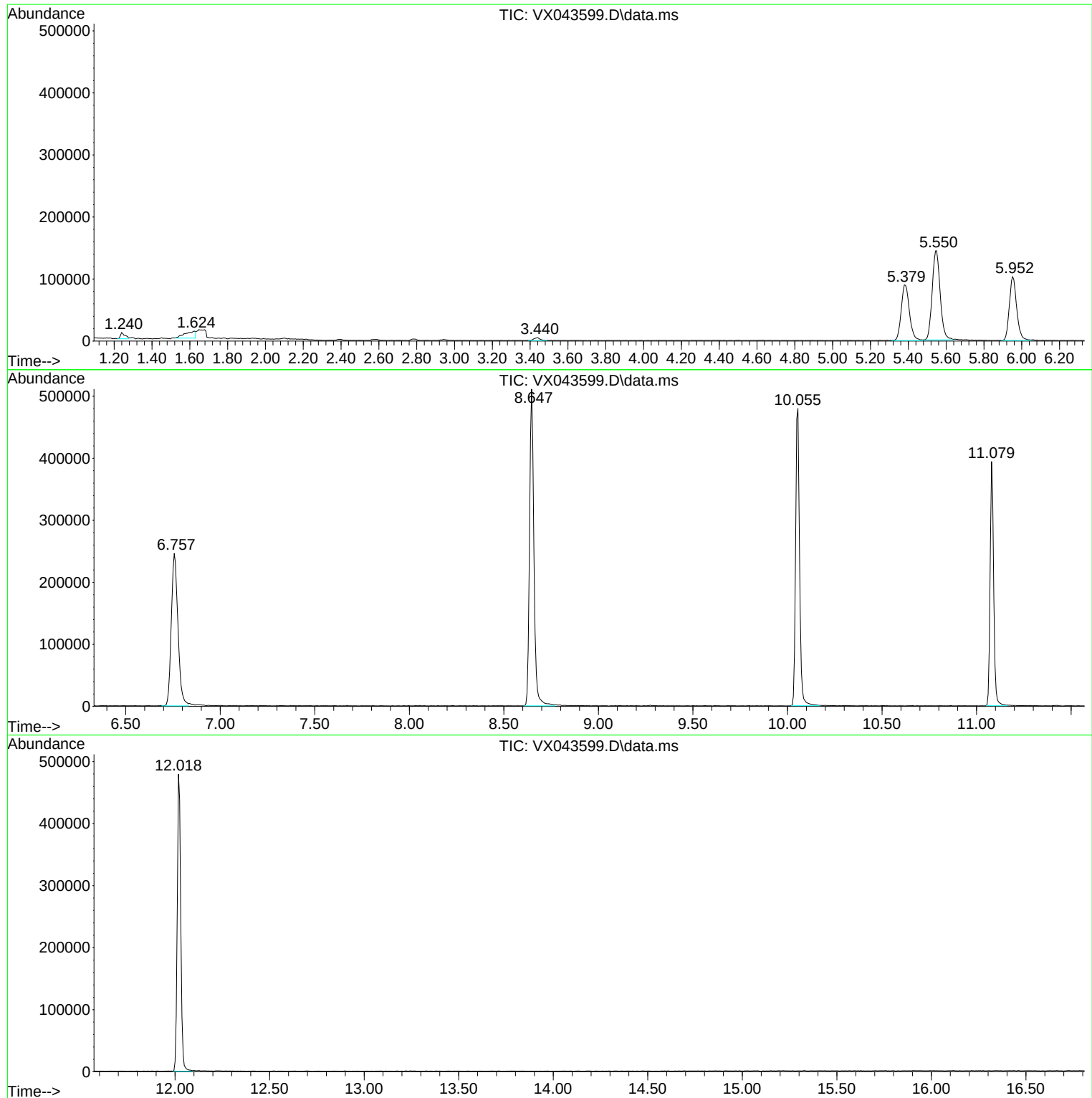
Sum of corrected areas: 4275991

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043599.D
Acq On : 29 Oct 2024 16:01
Operator : JC/MD
Sample : P4600-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043599.D
Acq On : 29 Oct 2024 16:01
Operator : JC/MD
Sample : P4600-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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_X\Data\VX102924\
Data File : VX043599.D
Acq On : 29 Oct 2024 16:01
Operator : JC/MD
Sample : P4600-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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
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Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	10/25/24	
Project:	CTO WE13			Date Received:	10/28/24	
Client Sample ID:	BP-VPB-190-DUP-20241025			SDG No.:	P4600	
Lab Sample ID:	P4600-02			Matrix:	Water	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043600.D	1		10/29/24 16:24	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	4.00	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	10/25/24		
Project:	CTO WE13			Date Received:	10/28/24		
Client Sample ID:	BP-VPB-190-DUP-20241025			SDG No.:	P4600		
Lab Sample ID:	P4600-02			Matrix:	Water		
Analytical Method:	SW8260			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:			uL	Test:	VOCMS Group1		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043600.D	1		10/29/24 16:24	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.0		81 - 118		88%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	157000	5.543				
540-36-3	1,4-Difluorobenzene	293000	6.757				
3114-55-4	Chlorobenzene-d5	249000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	109000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	10/25/24		
Project:	CTO WE13			Date Received:	10/28/24		
Client Sample ID:	BP-VPB-190-DUP-20241025			SDG No.:	P4600		
Lab Sample ID:	P4600-02			Matrix:	Water		
Analytical Method:	SW8260			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000		uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043600.D	1		10/29/24 16:24	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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_X\Data\VX102924\
 Data File : VX043600.D
 Acq On : 29 Oct 2024 16:24
 Operator : JC/MD
 Sample : P4600-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190-DUP-20241024

Quant Time: Oct 30 01:34:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

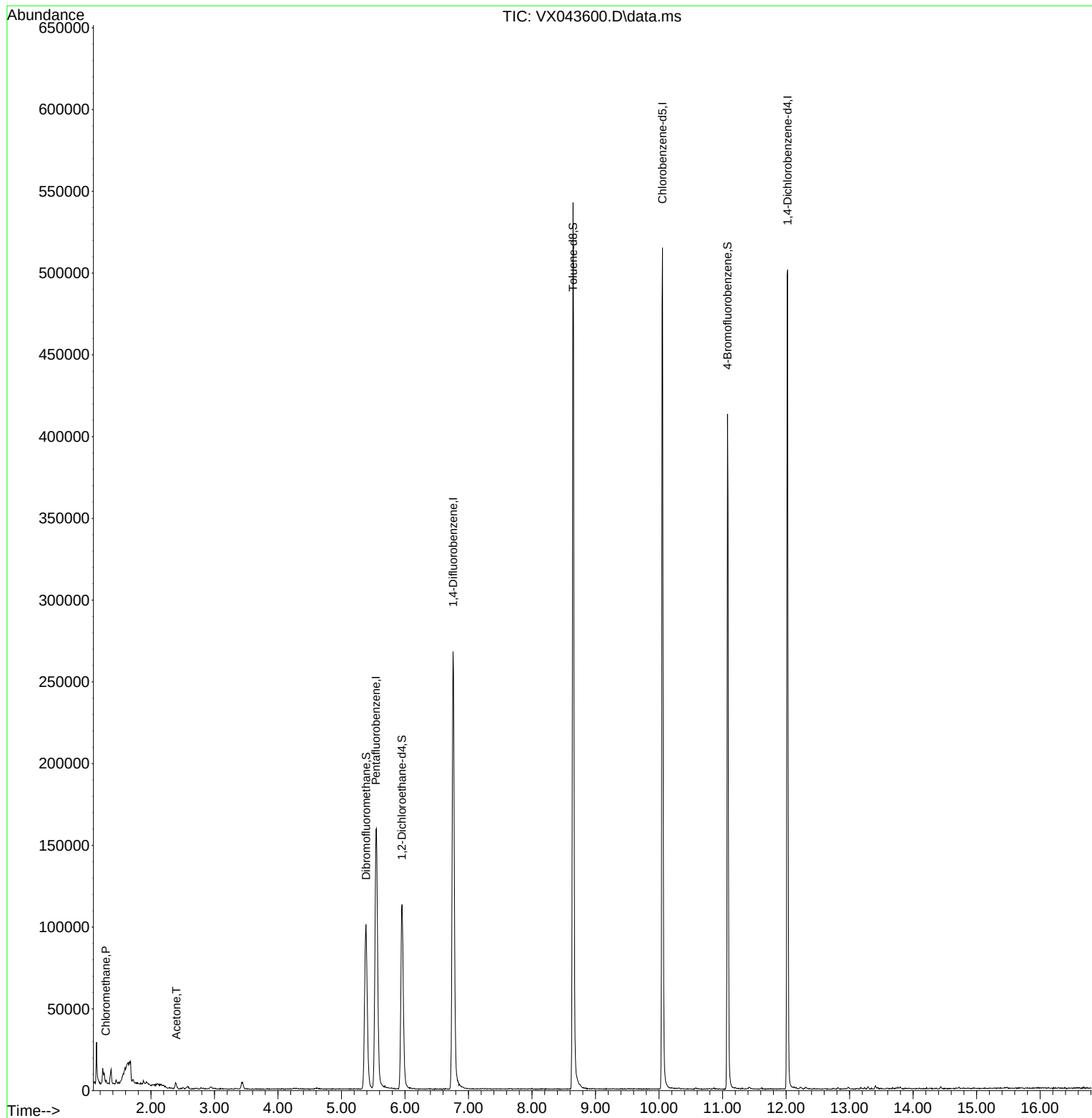
Internal Standards						
1) Pentafluorobenzene	5.543	168	157457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	292690	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	249474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110545	44.030	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.060%
35) Dibromofluoromethane	5.385	113	90933	45.817	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.640%
50) Toluene-d8	8.646	98	342648	49.873	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.740%
62) 4-Bromofluorobenzene	11.079	95	115668	45.434	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.860%
Target Compounds						
3) Chloromethane	1.288	50	649	0.302	ug/l #	78
16) Acetone	2.398	43	4016	4.028	ug/l	92

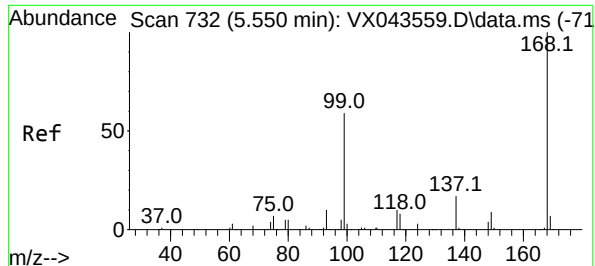
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043600.D
Acq On : 29 Oct 2024 16:24
Operator : JC/MD
Sample : P4600-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241024

Quant Time: Oct 30 01:34:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

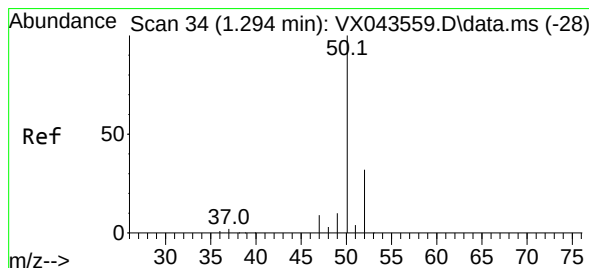
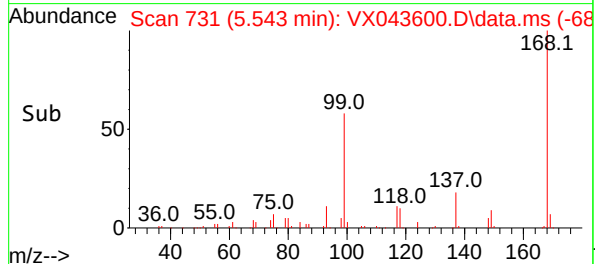
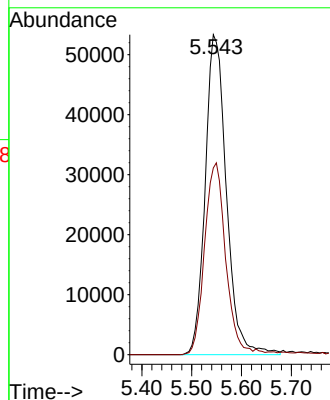
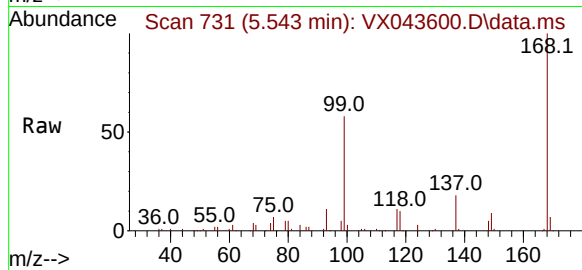




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

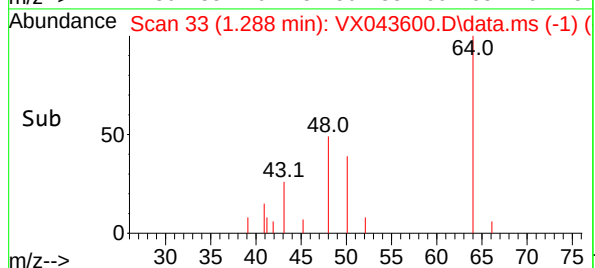
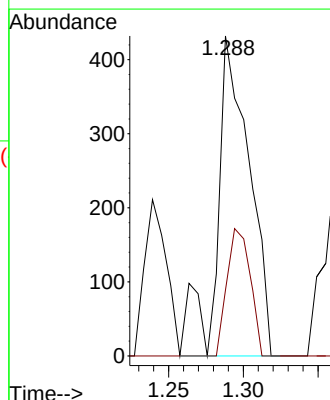
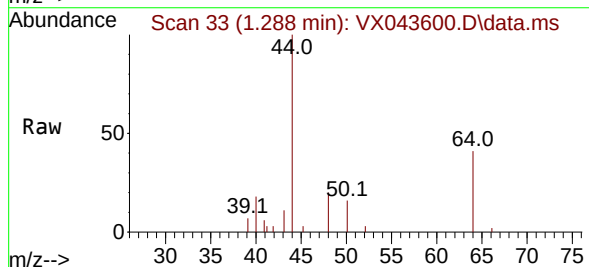
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241024

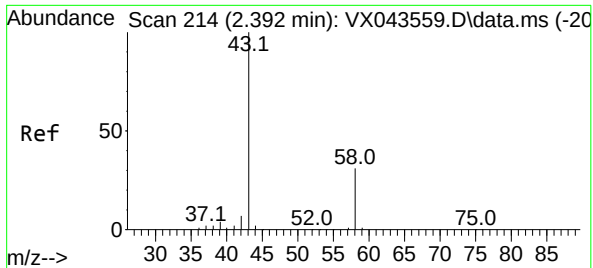
Tgt Ion:168 Resp: 157457
Ion Ratio Lower Upper
168 100
99 58.3 52.6 78.8



#3
Chloromethane
Concen: 0.302 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Tgt Ion: 50 Resp: 649
Ion Ratio Lower Upper
50 100
52 20.6 26.3 39.5#

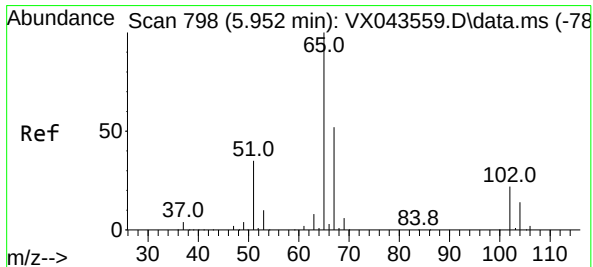
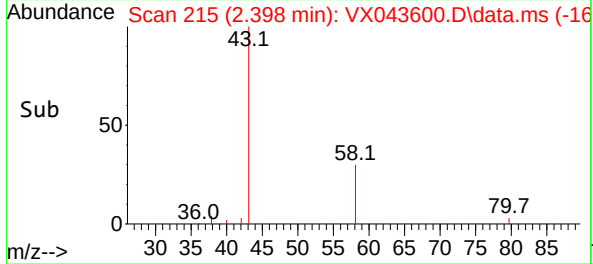
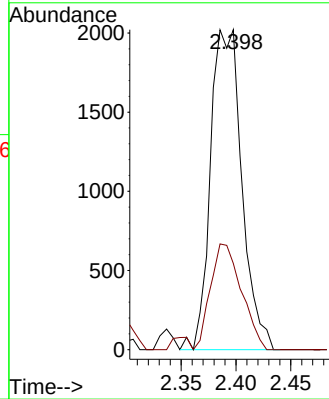
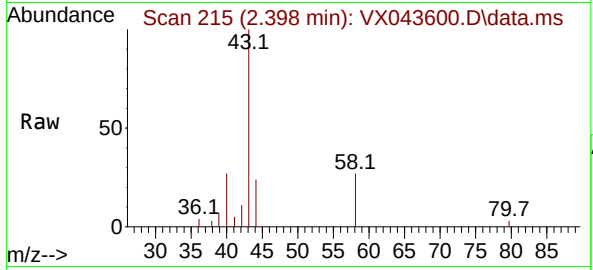




#16
Acetone
Concen: 4.028 ug/l
RT: 2.398 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

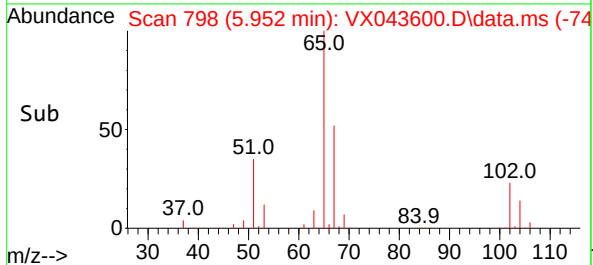
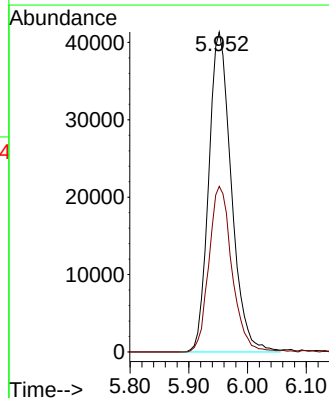
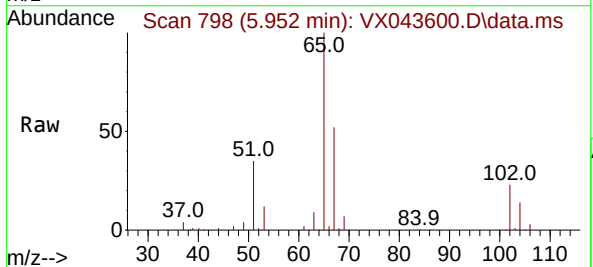
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241024

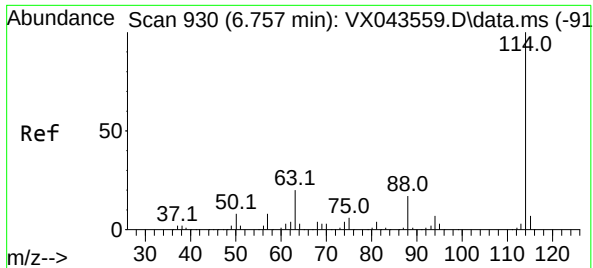
Tgt Ion: 43 Resp: 4016
Ion Ratio Lower Upper
43 100
58 26.9 25.1 37.7



#33
1,2-Dichloroethane-d4
Concen: 44.030 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Tgt Ion: 65 Resp: 110545
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX043600.D

Acq: 29 Oct 2024 16:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-DUP-20241024

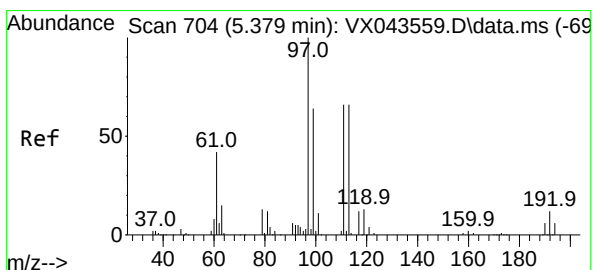
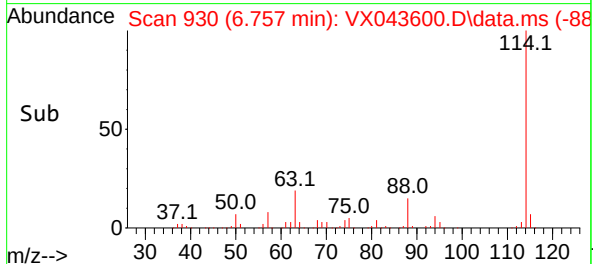
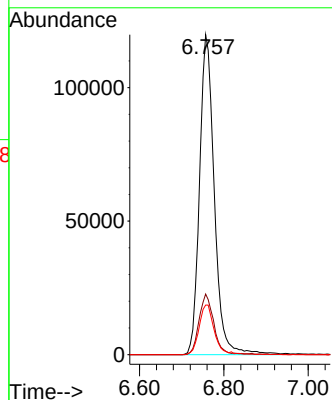
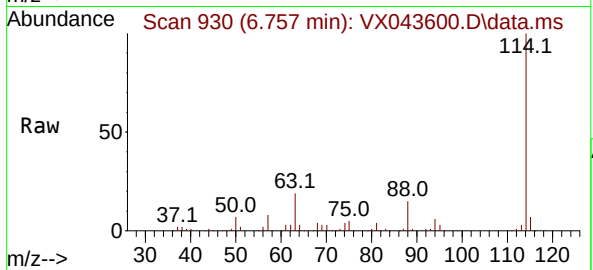
Tgt Ion:114 Resp: 292690

Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.2

88 15.5 0.0 34.0



#35

Dibromofluoromethane

Concen: 45.817 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX043600.D

Acq: 29 Oct 2024 16:24

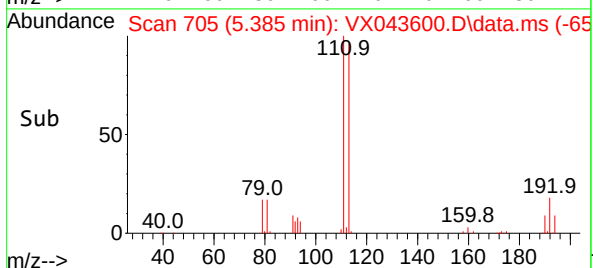
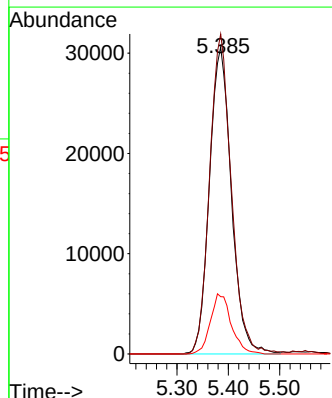
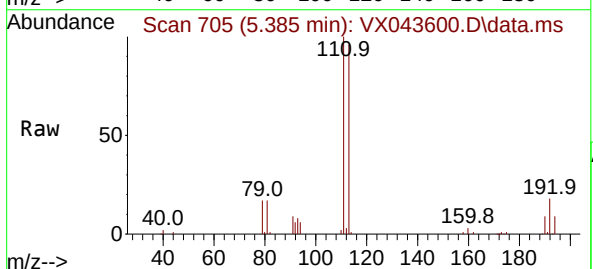
Tgt Ion:113 Resp: 90933

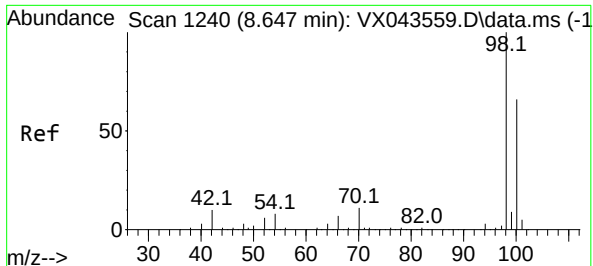
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 18.6 14.1 21.1





#50

Toluene-d8

Concen: 49.873 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043600.D

Acq: 29 Oct 2024 16:24

Instrument :

MSVOA_X

ClientSampleId :

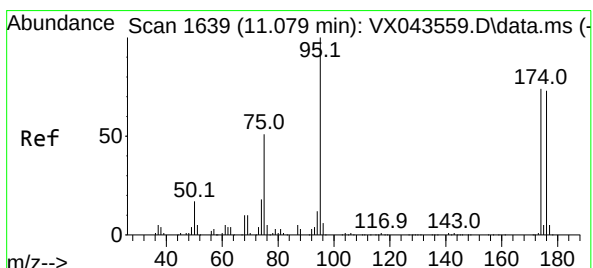
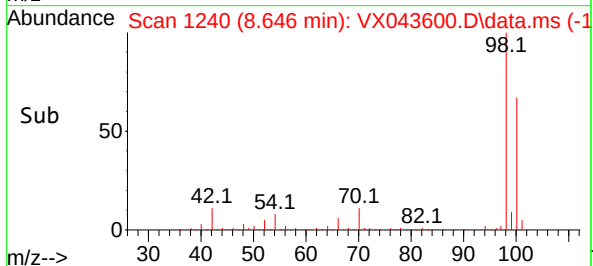
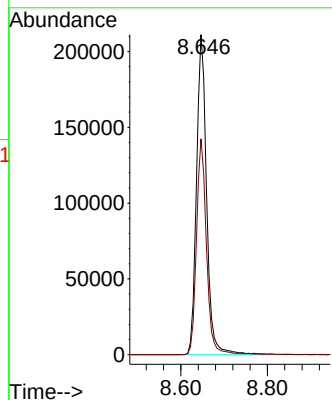
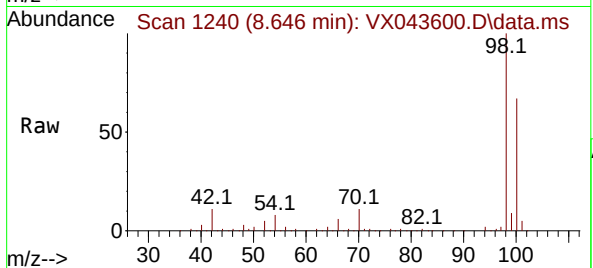
BP-VPB-190-DUP-20241024

Tgt Ion: 98 Resp: 342648

Ion Ratio Lower Upper

98 100

100 66.0 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 45.434 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043600.D

Acq: 29 Oct 2024 16:24

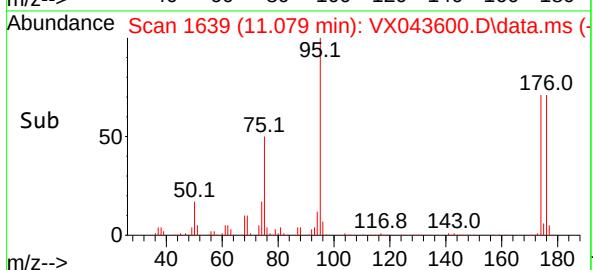
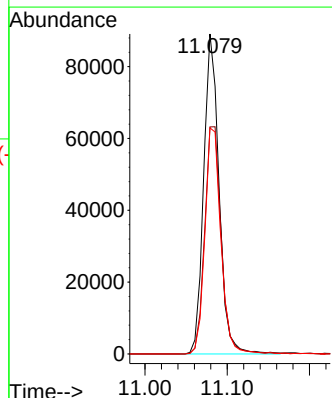
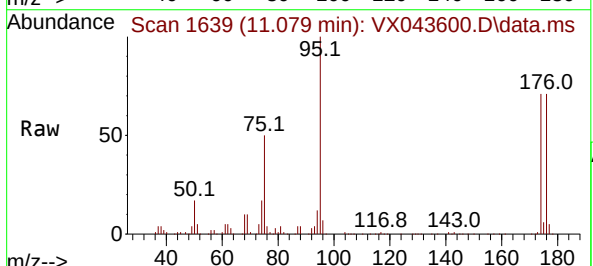
Tgt Ion: 95 Resp: 115668

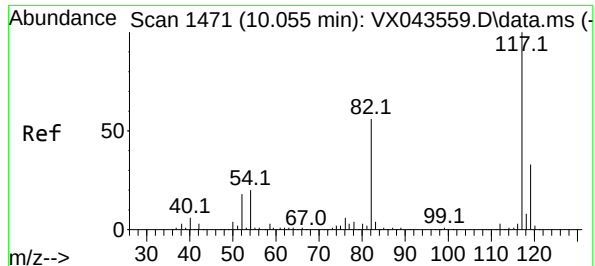
Ion Ratio Lower Upper

95 100

174 76.2 0.0 146.6

176 73.5 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043600.D

Acq: 29 Oct 2024 16:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-DUP-20241024

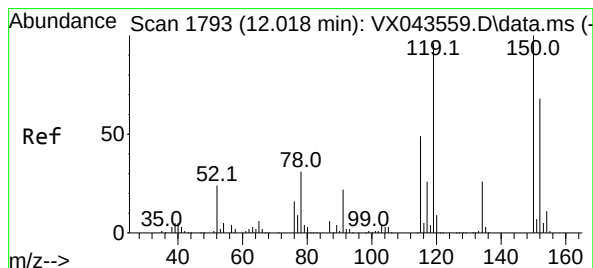
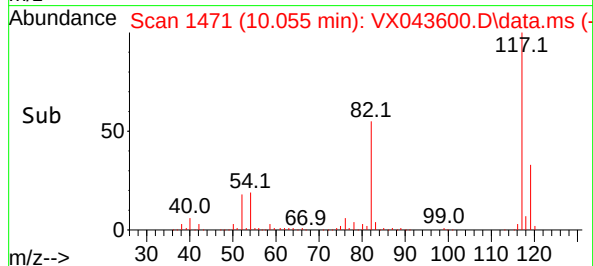
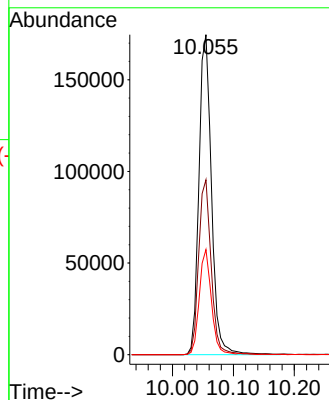
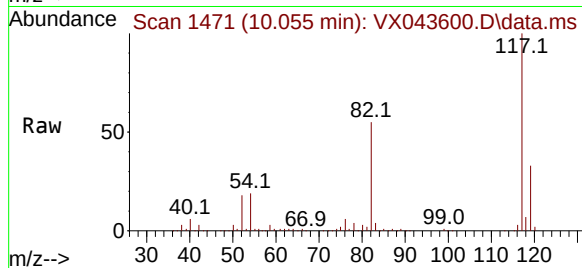
Tgt Ion:117 Resp: 249474

Ion Ratio Lower Upper

117 100

82 54.7 42.1 63.1

119 32.8 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043600.D

Acq: 29 Oct 2024 16:24

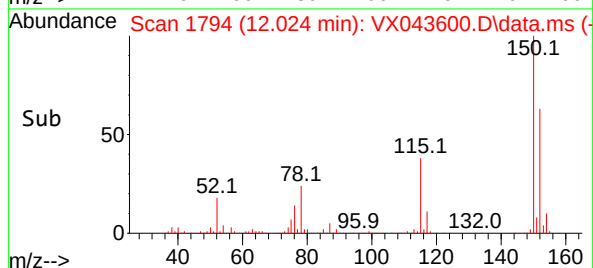
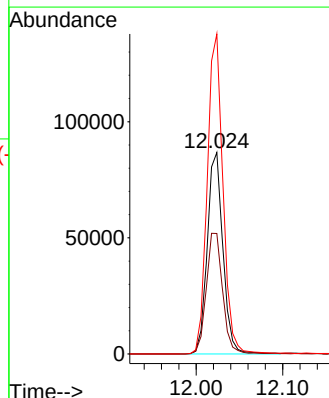
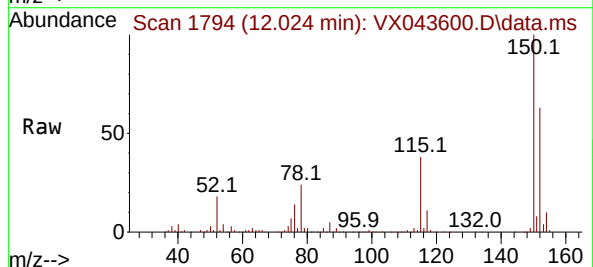
Tgt Ion:152 Resp: 109255

Ion Ratio Lower Upper

152 100

115 62.6 42.9 128.7

150 159.2 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043600.D
Acq On : 29 Oct 2024 16:24
Operator : JC/MD
Sample : P4600-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241024

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_X\Method\82X102824W.M

Title : SW846 8260

Signal : TIC: VX043600.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	17	rBV	25188	25361	2.87%	0.550%
2	1.239	22	25	28	rBV	9048	11443	1.30%	0.248%
3	1.373	42	47	51	rBV3	8977	12936	1.47%	0.280%
4	1.562	69	78	79	rBV5	6080	12439	1.41%	0.270%
5	3.428	378	384	393	rVB4	4094	9631	1.09%	0.209%
6	5.385	692	705	721	rBV	100694	297399	33.70%	6.445%
7	5.549	721	732	749	rBV	158657	465333	52.73%	10.084%
8	5.952	789	798	817	rBV	112839	308311	34.94%	6.681%
9	6.757	921	930	945	rBV	267581	650592	73.72%	14.099%
10	8.646	1234	1240	1257	rBV	541789	882518	100.00%	19.125%
11	10.055	1465	1471	1486	rBV	514101	735222	83.31%	15.933%
12	11.079	1633	1639	1653	rBV	412928	544033	61.65%	11.790%
13	12.024	1788	1794	1807	rBV	501106	659304	74.71%	14.288%

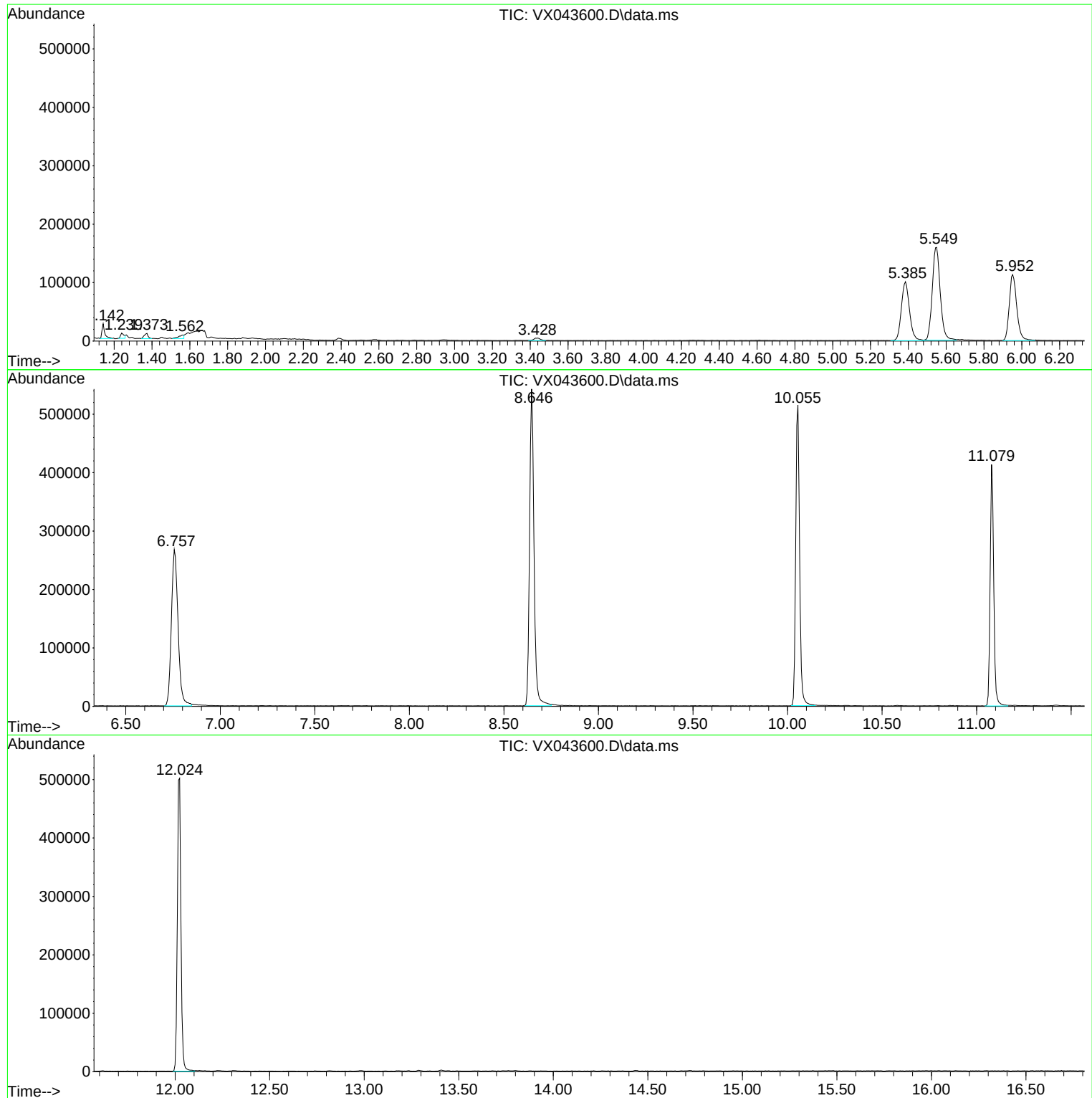
Sum of corrected areas: 4614522

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043600.D
Acq On : 29 Oct 2024 16:24
Operator : JC/MD
Sample : P4600-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043600.D
Acq On : 29 Oct 2024 16:24
Operator : JC/MD
Sample : P4600-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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_X\Data\VX102924\
Data File : VX043600.D
Acq On : 29 Oct 2024 16:24
Operator : JC/MD
Sample : P4600-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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:	Tetra Tech NUS, Inc.			Date Collected:	10/25/24	
Project:	CTO WE13			Date Received:	10/28/24	
Client Sample ID:	BP-VPB-190-GW-438-440			SDG No.:	P4600	
Lab Sample ID:	P4600-03			Matrix:	Water	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043601.D	1		10/29/24 16:48	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.30	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	10/25/24	
Project:	CTO WE13		Date Received:	10/28/24	
Client Sample ID:	BP-VPB-190-GW-438-440		SDG No.:	P4600	
Lab Sample ID:	P4600-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043601.D	1		10/29/24 16:48	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.3		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.55				
540-36-3	1,4-Difluorobenzene	264000	6.757				
3114-55-4	Chlorobenzene-d5	234000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	106000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	10/25/24	
Project:	CTO WE13		Date Received:	10/28/24	
Client Sample ID:	BP-VPB-190-GW-438-440		SDG No.:	P4600	
Lab Sample ID:	P4600-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043601.D	1		10/29/24 16:48	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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_X\Data\VX102924\
 Data File : VX043601.D
 Acq On : 29 Oct 2024 16:48
 Operator : JC/MD
 Sample : P4600-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190-GW-438-440

Quant Time: Oct 30 01:35:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

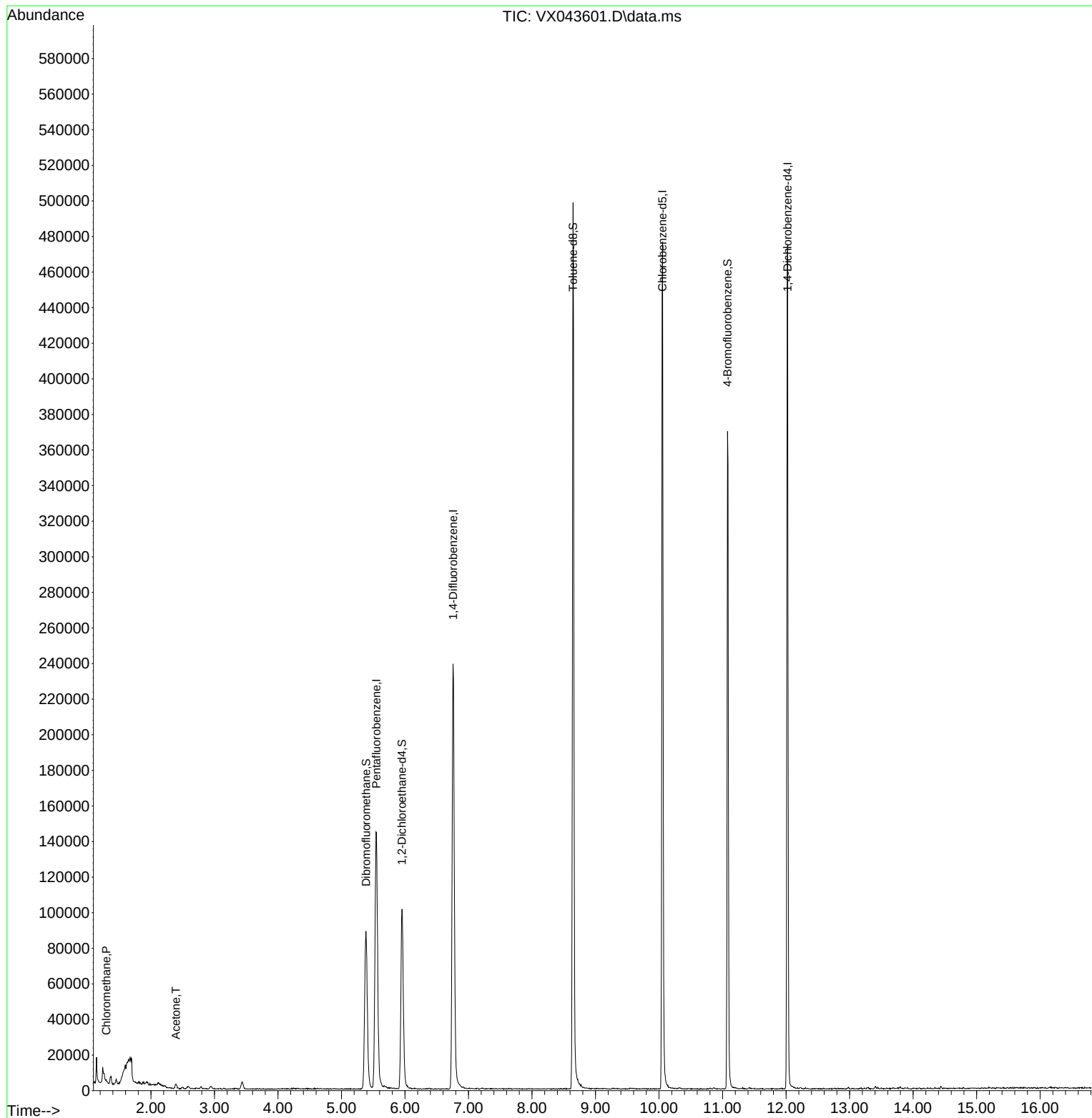
Internal Standards						
1) Pentafluorobenzene	5.550	168	143380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264264	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98914	43.265	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.540%
35) Dibromofluoromethane	5.385	113	81013	45.209	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.420%
50) Toluene-d8	8.647	98	309660	49.920	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.840%
62) 4-Bromofluorobenzene	11.079	95	110843	48.222	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	658	0.336	ug/l #	87
16) Acetone	2.392	43	2979	3.281	ug/l	99

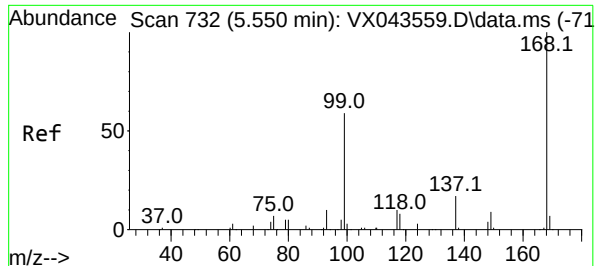
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043601.D
Acq On : 29 Oct 2024 16:48
Operator : JC/MD
Sample : P4600-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Quant Time: Oct 30 01:35:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

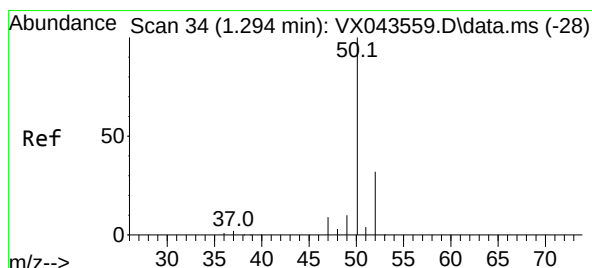
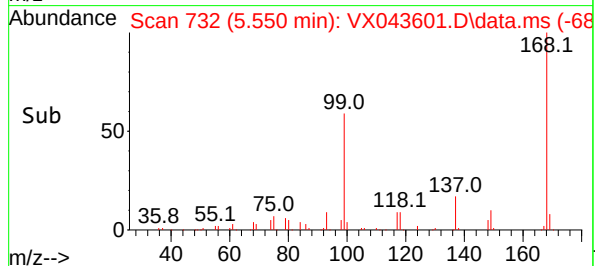
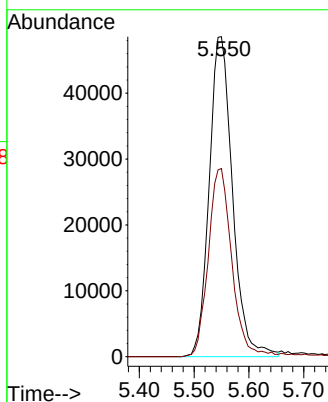
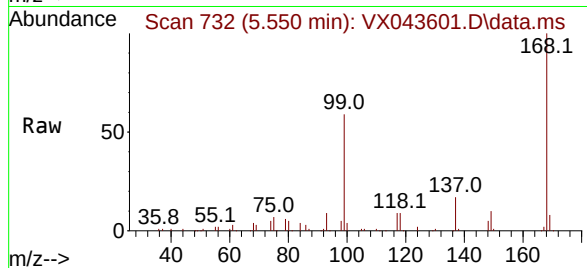




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

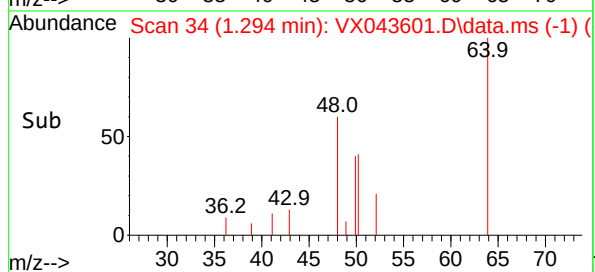
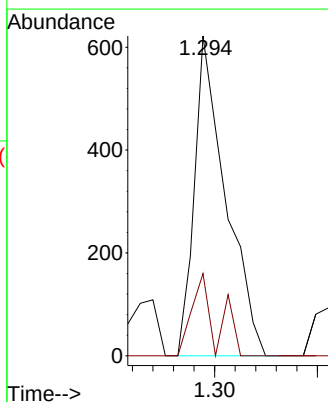
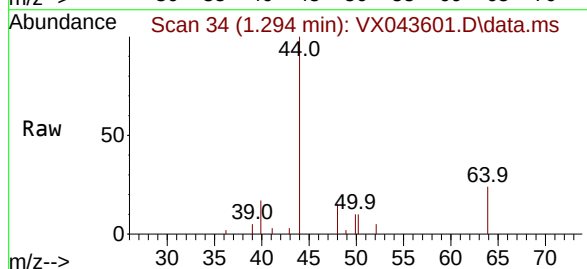
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

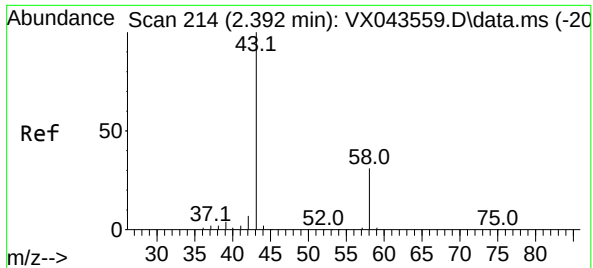
Tgt Ion:168 Resp: 143380
Ion Ratio Lower Upper
168 100
99 58.8 52.6 78.8



#3
Chloromethane
Concen: 0.336 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Tgt Ion: 50 Resp: 658
Ion Ratio Lower Upper
50 100
52 25.7 26.3 39.5#

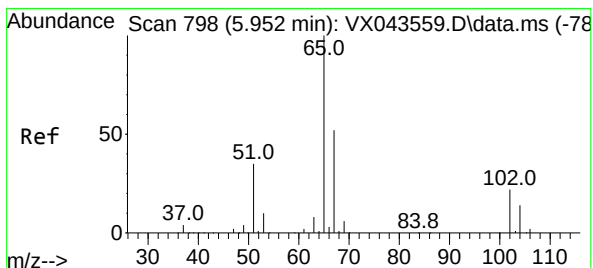
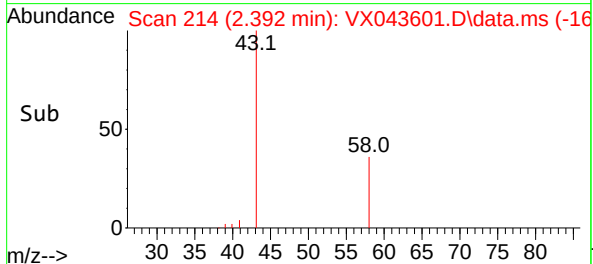
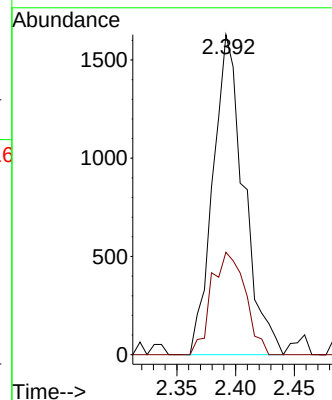
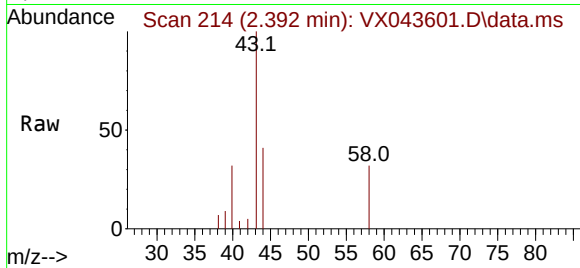




#16
Acetone
Concen: 3.281 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

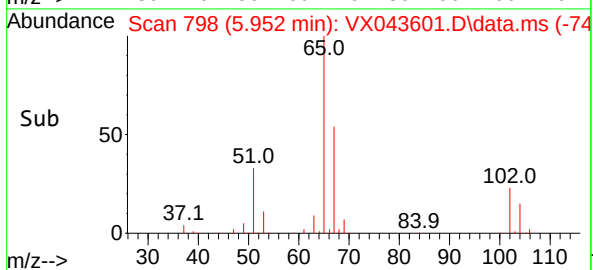
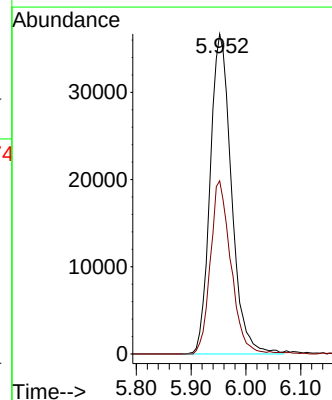
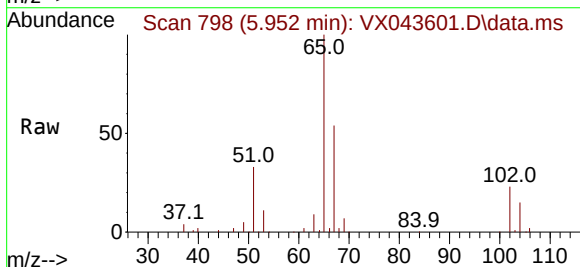
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

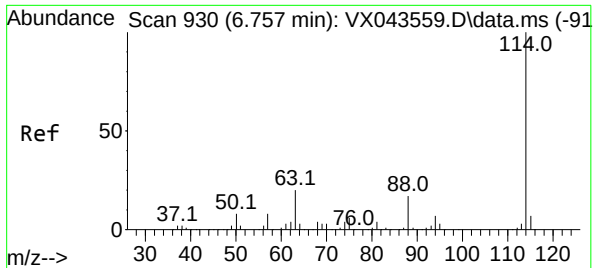
Tgt Ion: 43 Resp: 2979
Ion Ratio Lower Upper
43 100
58 32.0 25.1 37.7



#33
1,2-Dichloroethane-d4
Concen: 43.265 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Tgt Ion: 65 Resp: 98914
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX043601.D

Acq: 29 Oct 2024 16:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-GW-438-440

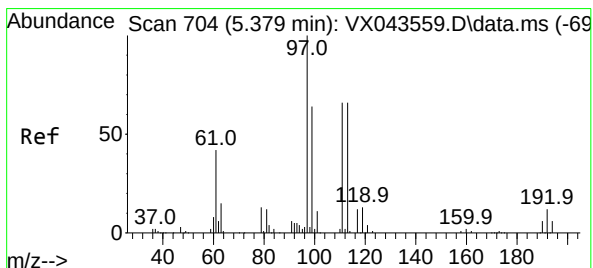
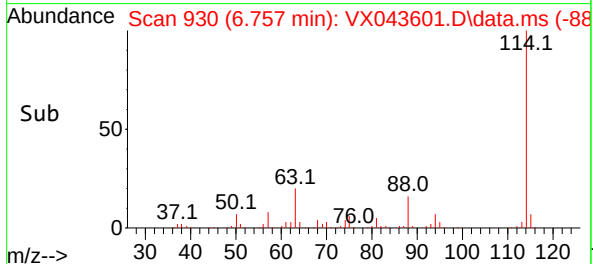
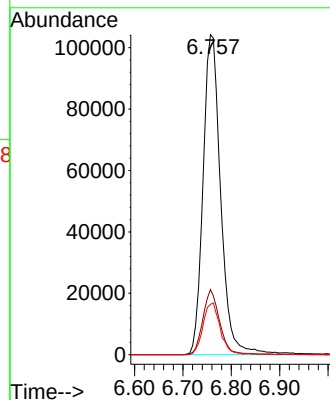
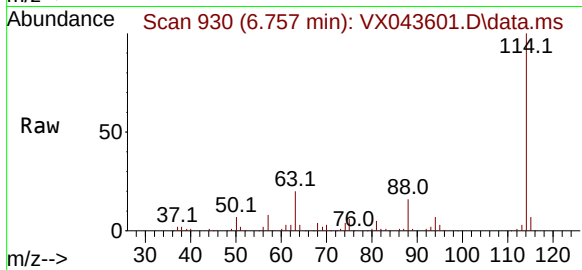
Tgt Ion:114 Resp: 264264

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.2

88 15.8 0.0 34.0



#35

Dibromofluoromethane

Concen: 45.209 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX043601.D

Acq: 29 Oct 2024 16:48

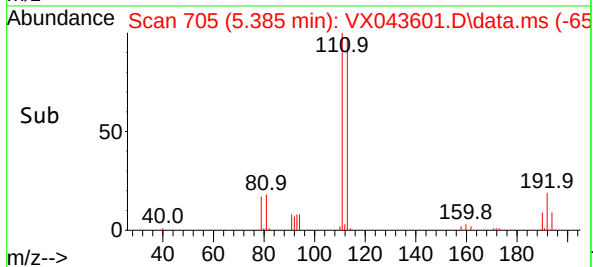
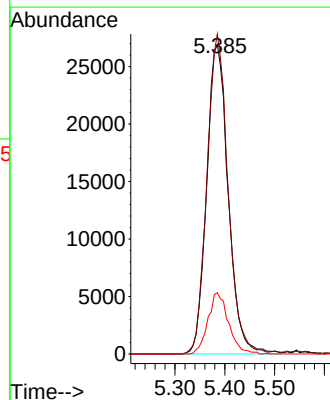
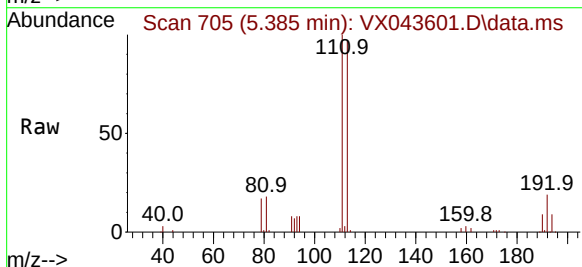
Tgt Ion:113 Resp: 81013

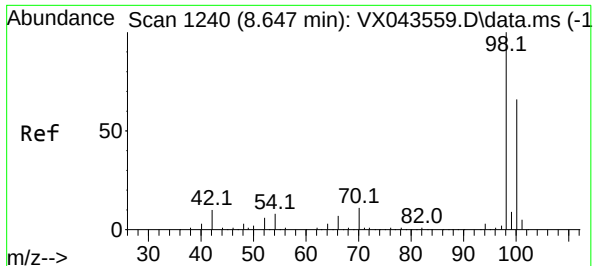
Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.0

192 18.8 14.1 21.1





#50

Toluene-d8

Concen: 49.920 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043601.D

Acq: 29 Oct 2024 16:48

Instrument :

MSVOA_X

ClientSampleId :

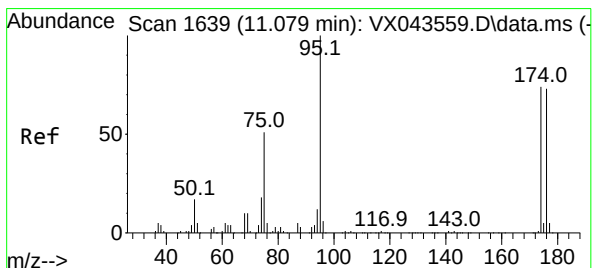
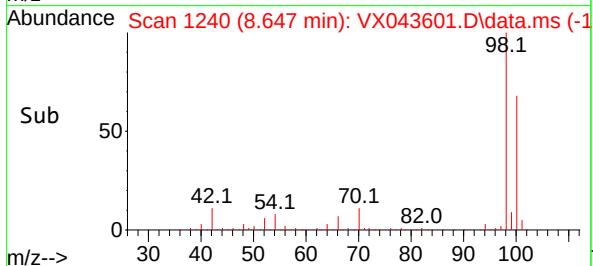
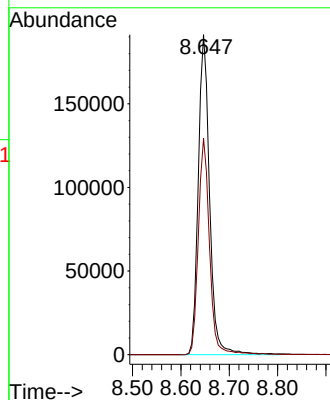
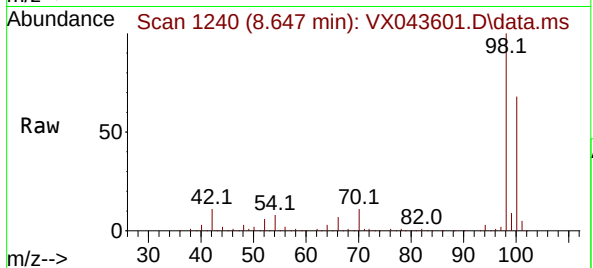
BP-VPB-190-GW-438-440

Tgt Ion: 98 Resp: 309660

Ion Ratio Lower Upper

98 100

100 66.8 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 48.222 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043601.D

Acq: 29 Oct 2024 16:48

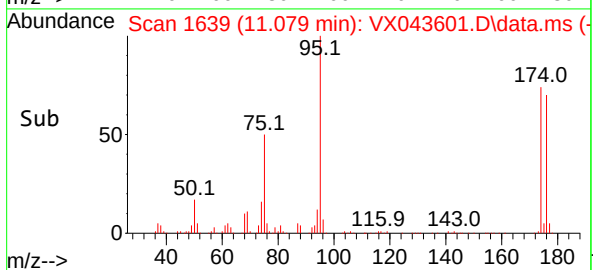
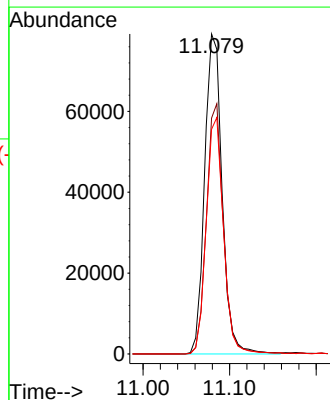
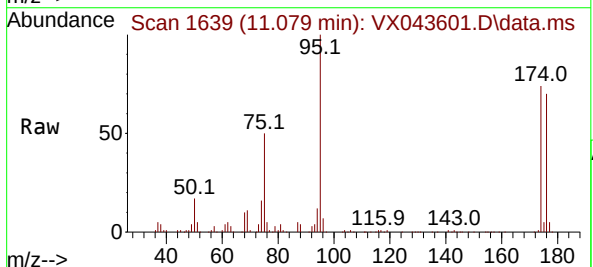
Tgt Ion: 95 Resp: 110843

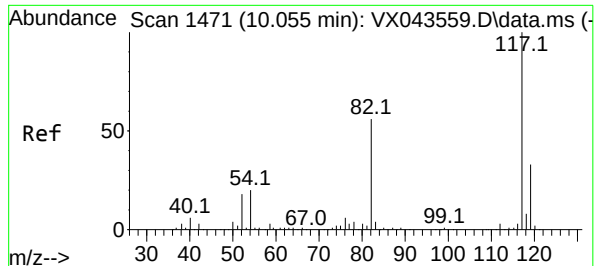
Ion Ratio Lower Upper

95 100

174 75.8 0.0 146.6

176 73.3 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043601.D

Acq: 29 Oct 2024 16:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-GW-438-440

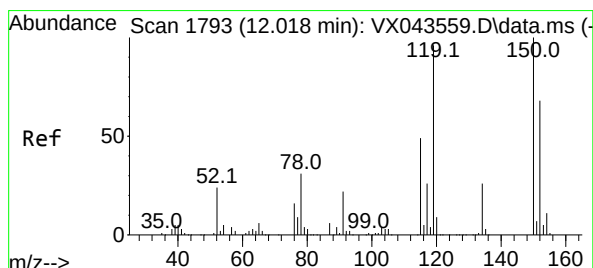
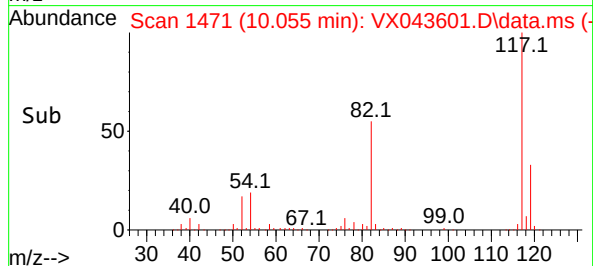
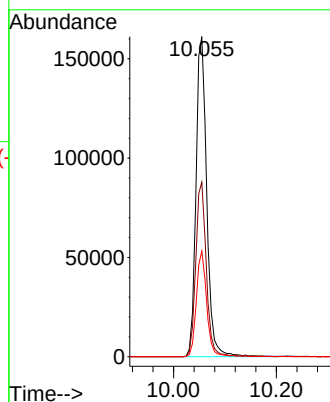
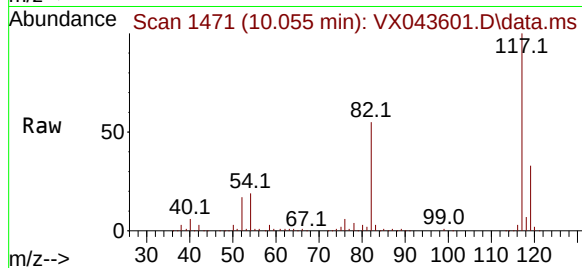
Tgt Ion:117 Resp: 234277

Ion Ratio Lower Upper

117 100

82 54.6 42.1 63.1

119 33.0 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX043601.D

Acq: 29 Oct 2024 16:48

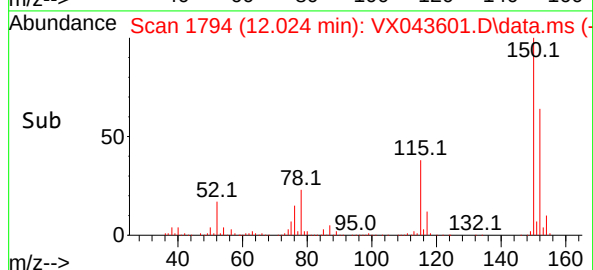
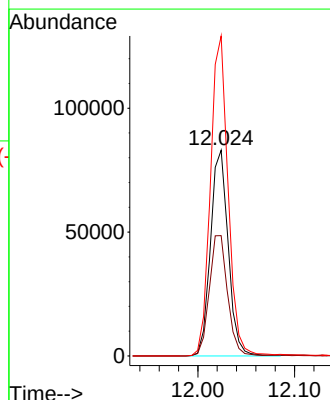
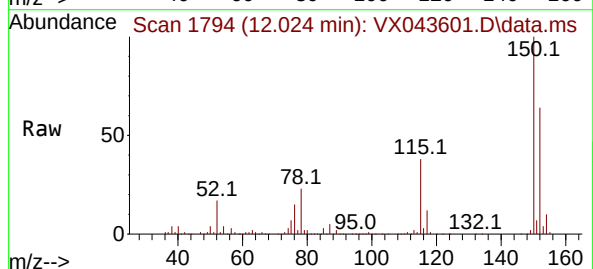
Tgt Ion:152 Resp: 105995

Ion Ratio Lower Upper

152 100

115 60.3 42.9 128.7

150 155.8 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043601.D
 Acq On : 29 Oct 2024 16:48
 Operator : JC/MD
 Sample : P4600-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190-GW-438-440

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_X\Method\82X102824W.M

Title : SW846 8260

Signal : TIC: VX043601.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	16	rBV	14581	15232	1.89%	0.357%
2	1.239	22	25	27	rBV2	8196	8873	1.10%	0.208%
3	1.374	41	47	51	rVB3	4608	8250	1.02%	0.194%
4	1.599	69	84	85	rBV2	10315	33292	4.13%	0.781%
5	1.648	85	92	93	rBV6	5412	11164	1.39%	0.262%
6	3.440	375	386	394	rBV5	4052	10640	1.32%	0.250%
7	5.385	692	705	719	rBV	88728	263345	32.67%	6.180%
8	5.544	722	731	749	rVV	143360	414178	51.39%	9.720%
9	5.952	789	798	812	rBV2	101005	270773	33.59%	6.354%
10	6.757	918	930	954	rBV	239015	596796	74.04%	14.005%
11	8.647	1233	1240	1256	rBV	498054	806028	100.00%	18.915%
12	10.055	1465	1471	1484	rBV	476070	686533	85.17%	16.111%
13	11.079	1634	1639	1653	rBV	369286	511285	63.43%	11.998%
14	12.024	1788	1794	1805	rBV	474263	624911	77.53%	14.665%

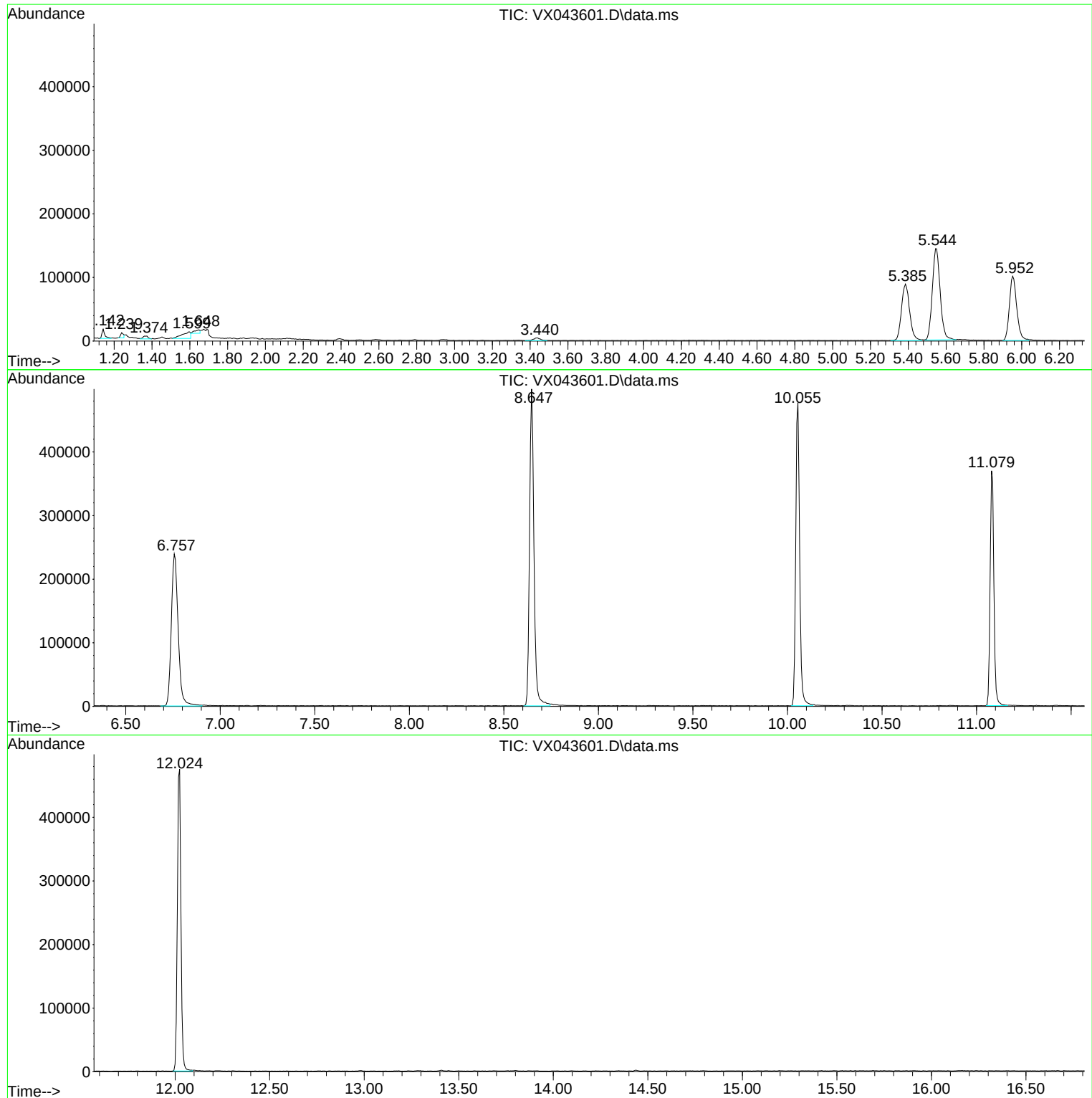
Sum of corrected areas: 4261300

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043601.D
Acq On : 29 Oct 2024 16:48
Operator : JC/MD
Sample : P4600-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043601.D
Acq On : 29 Oct 2024 16:48
Operator : JC/MD
Sample : P4600-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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_X\Data\VX102924\
Data File : VX043601.D
Acq On : 29 Oct 2024 16:48
Operator : JC/MD
Sample : P4600-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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
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Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	10/25/24		
Project:	CTO WE13			Date Received:	10/28/24		
Client Sample ID:	BP-VPB-190-GW-458-460			SDG No.:	P4600		
Lab Sample ID:	P4600-04			Matrix:	Water		
Analytical Method:	SW8260			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:			uL	Test:	VOCMS Group1		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043602.D	1		10/29/24 17:11	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.41	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	5.10		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-458-460	SDG No.:	P4600
Lab Sample ID:	P4600-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043602.D	1		10/29/24 17:11	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.1		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	107000	5.55				
540-36-3	1,4-Difluorobenzene	198000	6.757				
3114-55-4	Chlorobenzene-d5	185000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	83800	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	10/25/24
Project:	CTO WE13		Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-458-460		SDG No.:	P4600
Lab Sample ID:	P4600-04		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043602.D	1		10/29/24 17:11	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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_X\Data\VX102924\
 Data File : VX043602.D
 Acq On : 29 Oct 2024 17:11
 Operator : JC/MD
 Sample : P4600-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190-GW-458-460

Quant Time: Oct 30 01:35:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

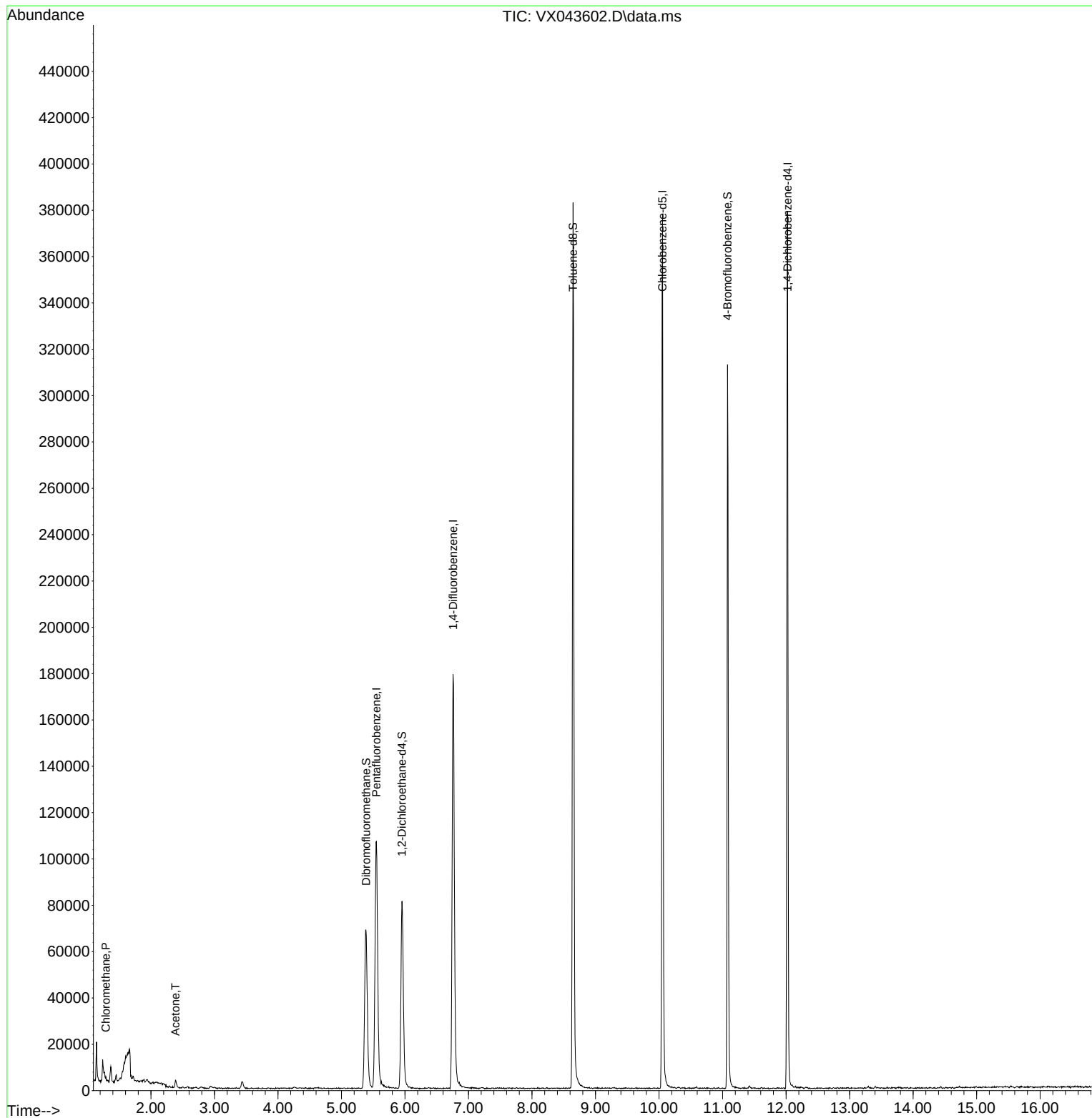
Internal Standards						
1) Pentafluorobenzene	5.550	168	106562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	197540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80017	47.092	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.180%
35) Dibromofluoromethane	5.385	113	62819	46.897	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.800%
50) Toluene-d8	8.647	98	238299	51.392	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.780%
62) 4-Bromofluorobenzene	11.079	95	87728	51.058	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.120%
Target Compounds						
3) Chloromethane	1.288	50	590	0.405	ug/l #	67
16) Acetone	2.386	43	3466	5.137	ug/l #	83

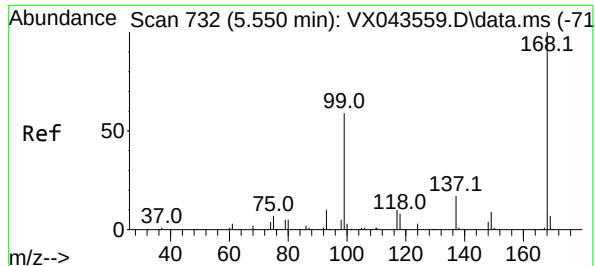
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043602.D
Acq On : 29 Oct 2024 17:11
Operator : JC/MD
Sample : P4600-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Quant Time: Oct 30 01:35:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX043602.D

Acq: 29 Oct 2024 17:11

Instrument :

MSVOA_X

ClientSampleId :

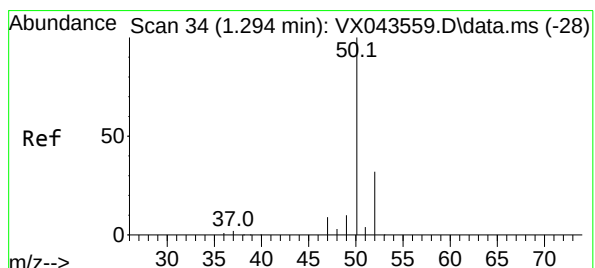
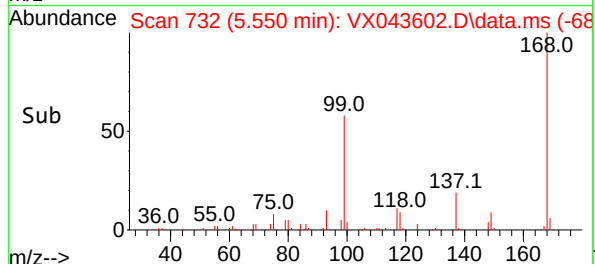
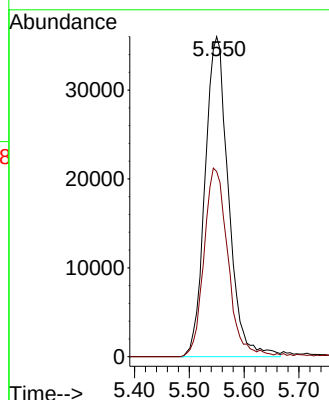
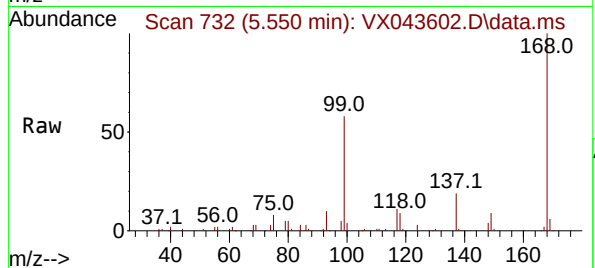
BP-VPB-190-GW-458-460

Tgt Ion:168 Resp: 106562

Ion Ratio Lower Upper

168 100

99 57.9 52.6 78.8



#3

Chloromethane

Concen: 0.405 ug/l

RT: 1.288 min Scan# 33

Delta R.T. -0.006 min

Lab File: VX043602.D

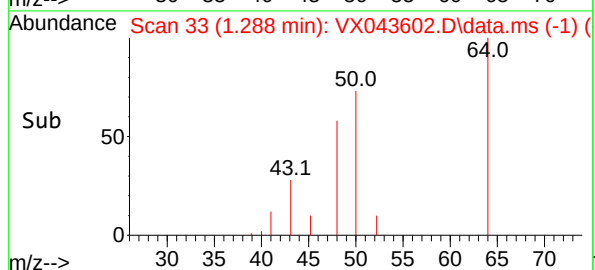
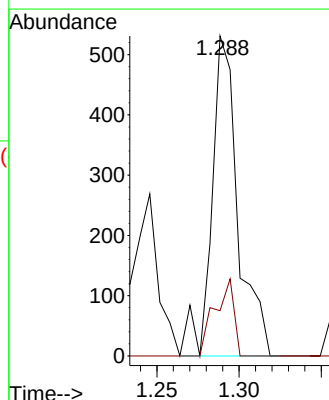
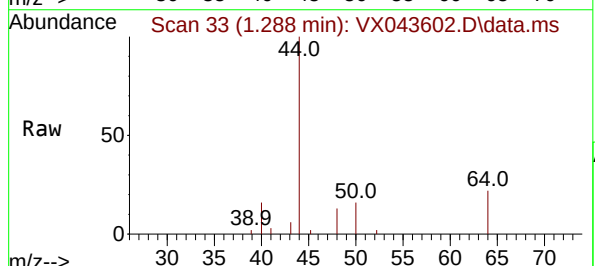
Acq: 29 Oct 2024 17:11

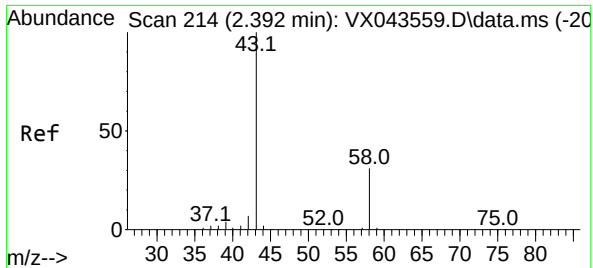
Tgt Ion: 50 Resp: 590

Ion Ratio Lower Upper

50 100

52 14.1 26.3 39.5#

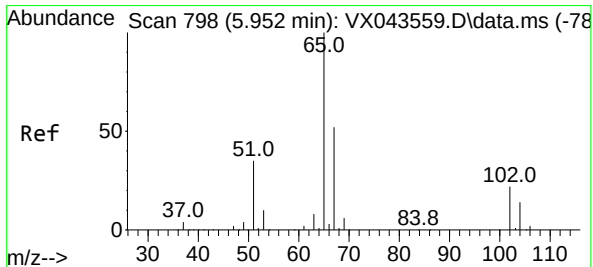
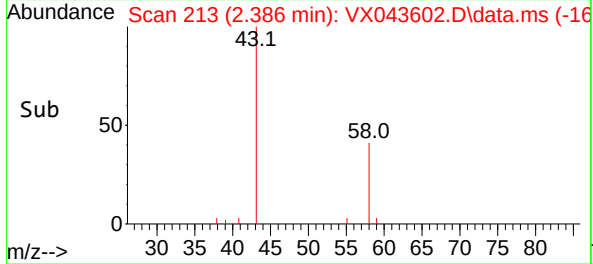
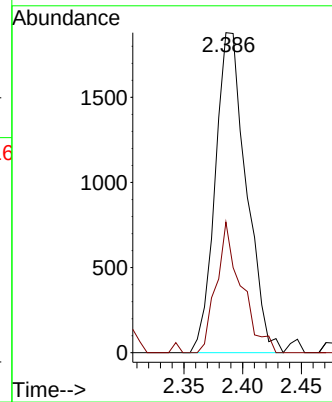
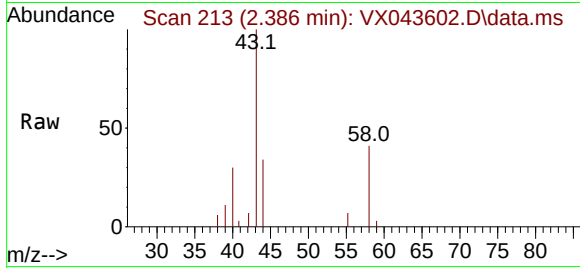




#16
Acetone
Concen: 5.137 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

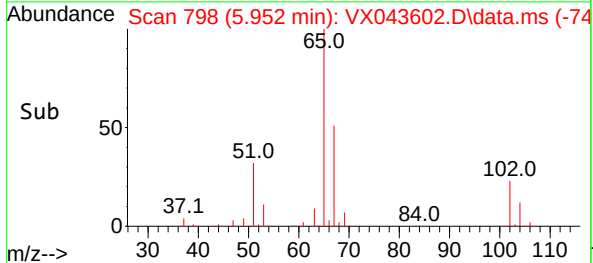
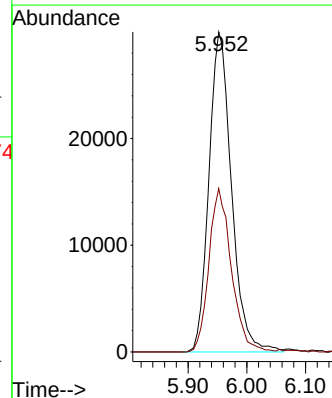
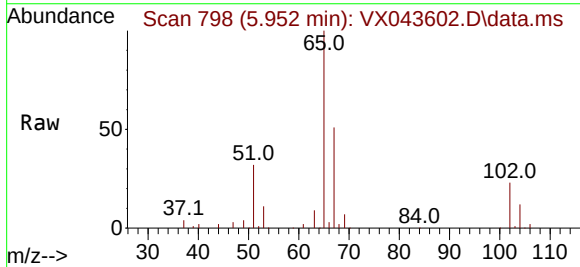
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

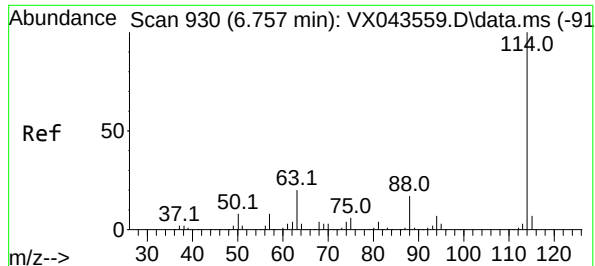
Tgt Ion: 43 Resp: 3466
Ion Ratio Lower Upper
43 100
58 40.8 25.1 37.7#



#33
1,2-Dichloroethane-d4
Concen: 47.092 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

Tgt Ion: 65 Resp: 80017
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX043602.D

Acq: 29 Oct 2024 17:11

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-GW-458-460

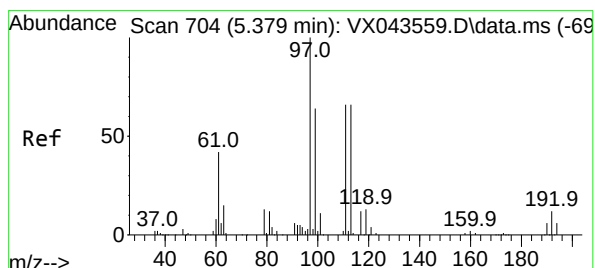
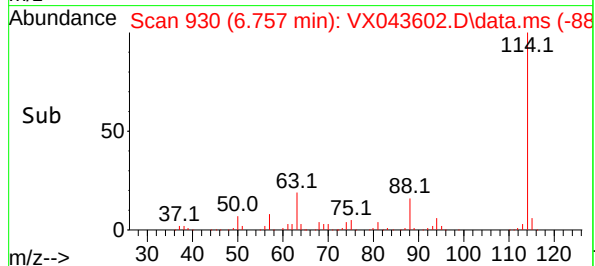
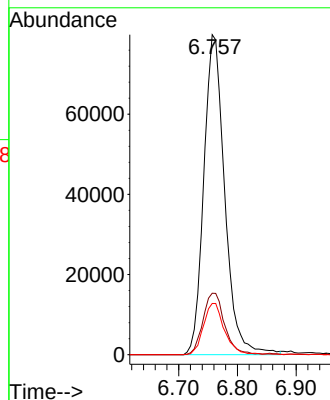
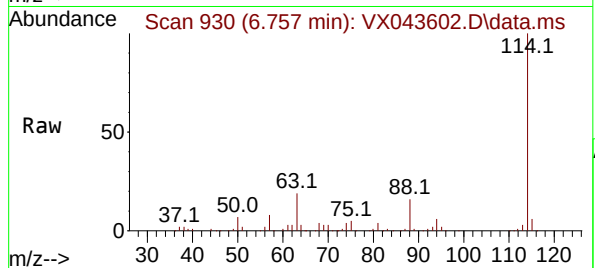
Tgt Ion:114 Resp: 197540

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.2

88 16.0 0.0 34.0



#35

Dibromofluoromethane

Concen: 46.897 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX043602.D

Acq: 29 Oct 2024 17:11

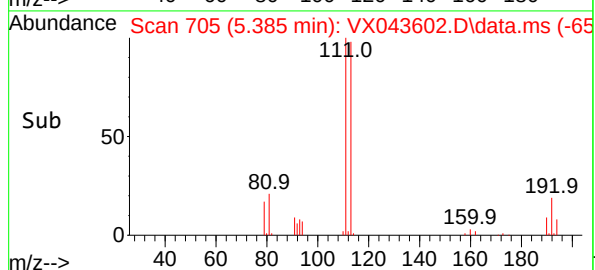
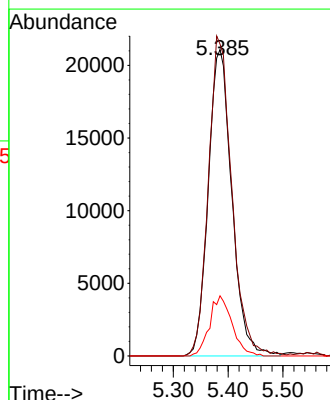
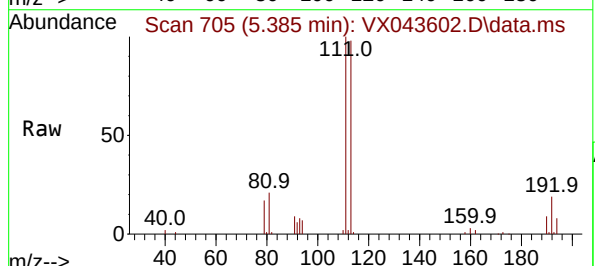
Tgt Ion:113 Resp: 62819

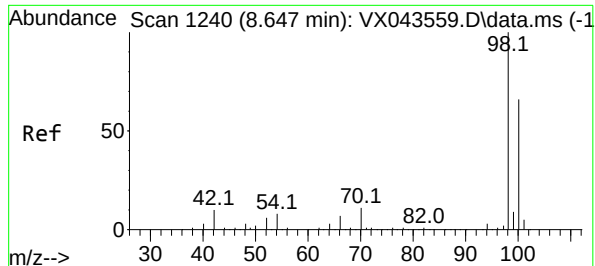
Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 18.8 14.1 21.1





#50

Toluene-d8

Concen: 51.392 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043602.D

Acq: 29 Oct 2024 17:11

Instrument :

MSVOA_X

ClientSampleId :

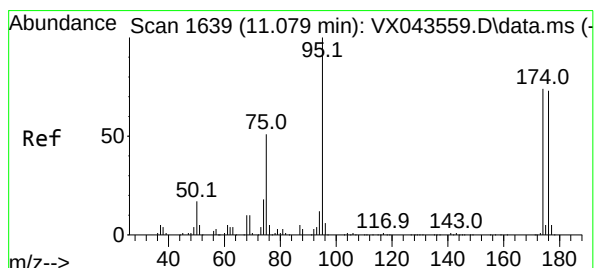
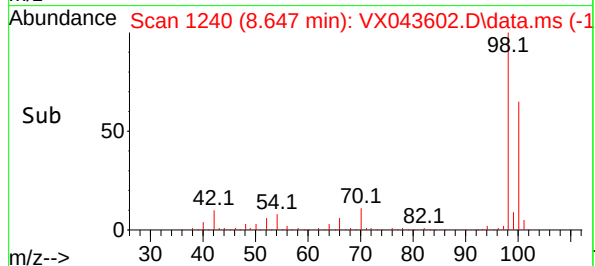
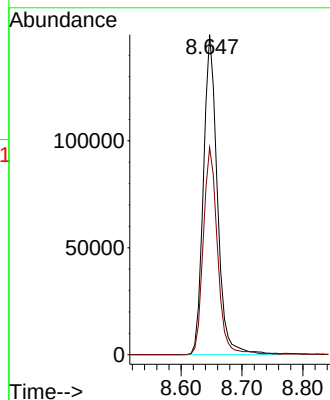
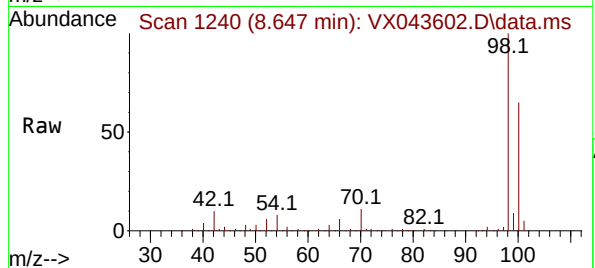
BP-VPB-190-GW-458-460

Tgt Ion: 98 Resp: 238299

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 51.058 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043602.D

Acq: 29 Oct 2024 17:11

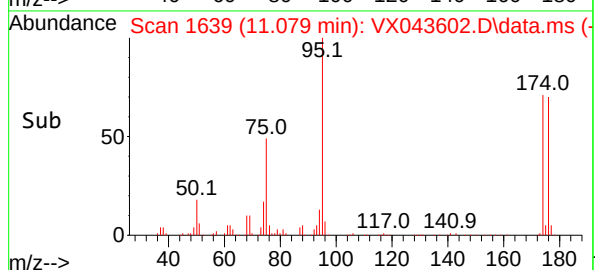
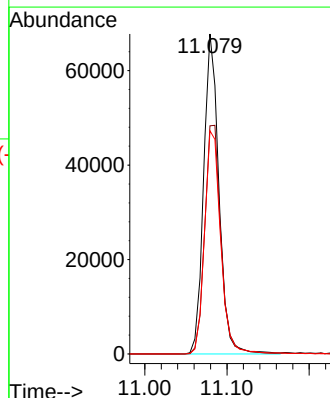
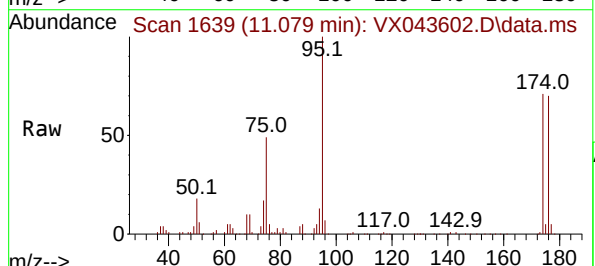
Tgt Ion: 95 Resp: 87728

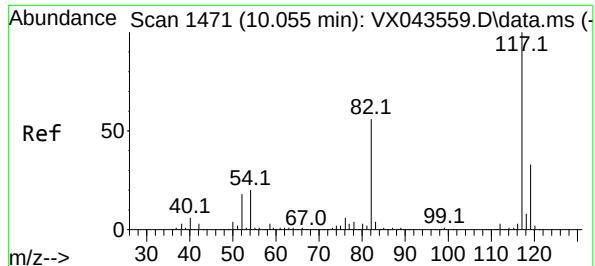
Ion Ratio Lower Upper

95 100

174 75.9 0.0 146.6

176 73.9 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043602.D

Acq: 29 Oct 2024 17:11

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-GW-458-460

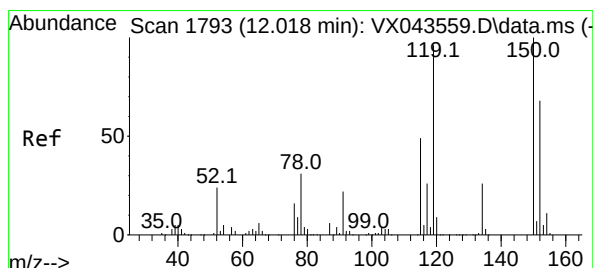
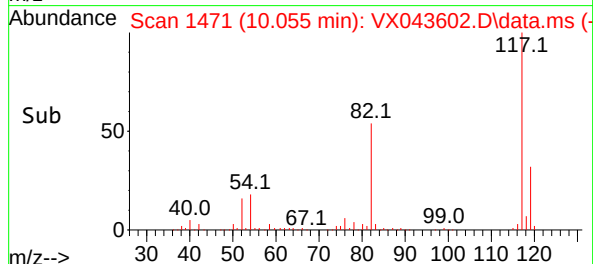
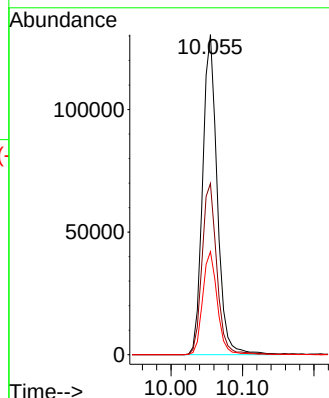
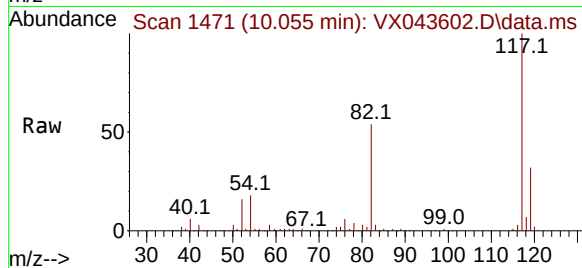
Tgt Ion:117 Resp: 185294

Ion Ratio Lower Upper

117 100

82 53.5 42.1 63.1

119 32.2 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX043602.D

Acq: 29 Oct 2024 17:11

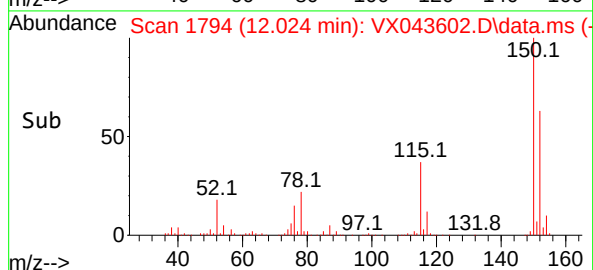
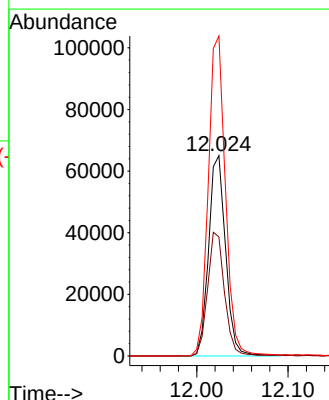
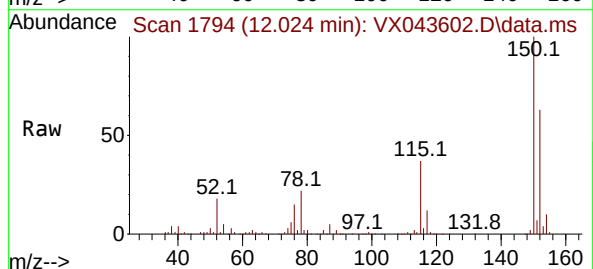
Tgt Ion:152 Resp: 83818

Ion Ratio Lower Upper

152 100

115 61.4 42.9 128.7

150 160.8 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043602.D
 Acq On : 29 Oct 2024 17:11
 Operator : JC/MD
 Sample : P4600-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190-GW-458-460

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_X\Method\82X102824W.M

Title : SW846 8260

Signal : TIC: VX043602.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	17	rVB	17005	17502	2.82%	0.524%
2	1.240	20	25	28	rBV2	9822	13474	2.17%	0.404%
3	1.368	41	46	50	rBV3	6751	9988	1.61%	0.299%
4	1.581	72	81	82	rBV5	7183	15281	2.46%	0.458%
5	2.386	208	213	223	rVB2	3485	6816	1.10%	0.204%
6	3.434	378	385	392	rBV5	3092	7644	1.23%	0.229%
7	5.379	694	704	721	rBV	68369	206433	33.28%	6.185%
8	5.550	721	732	749	rBV	106120	313822	50.59%	9.402%
9	5.952	788	798	815	rBV2	80895	219592	35.40%	6.579%
10	6.757	922	930	945	rBV	178878	446693	72.01%	13.383%
11	8.647	1233	1240	1259	rBV	382226	620320	100.00%	18.585%
12	10.055	1465	1471	1487	rBV	377230	546762	88.14%	16.381%
13	11.079	1634	1639	1652	rBV	312524	409321	65.99%	12.264%
14	12.018	1788	1793	1805	rBV	378981	504032	81.25%	15.101%

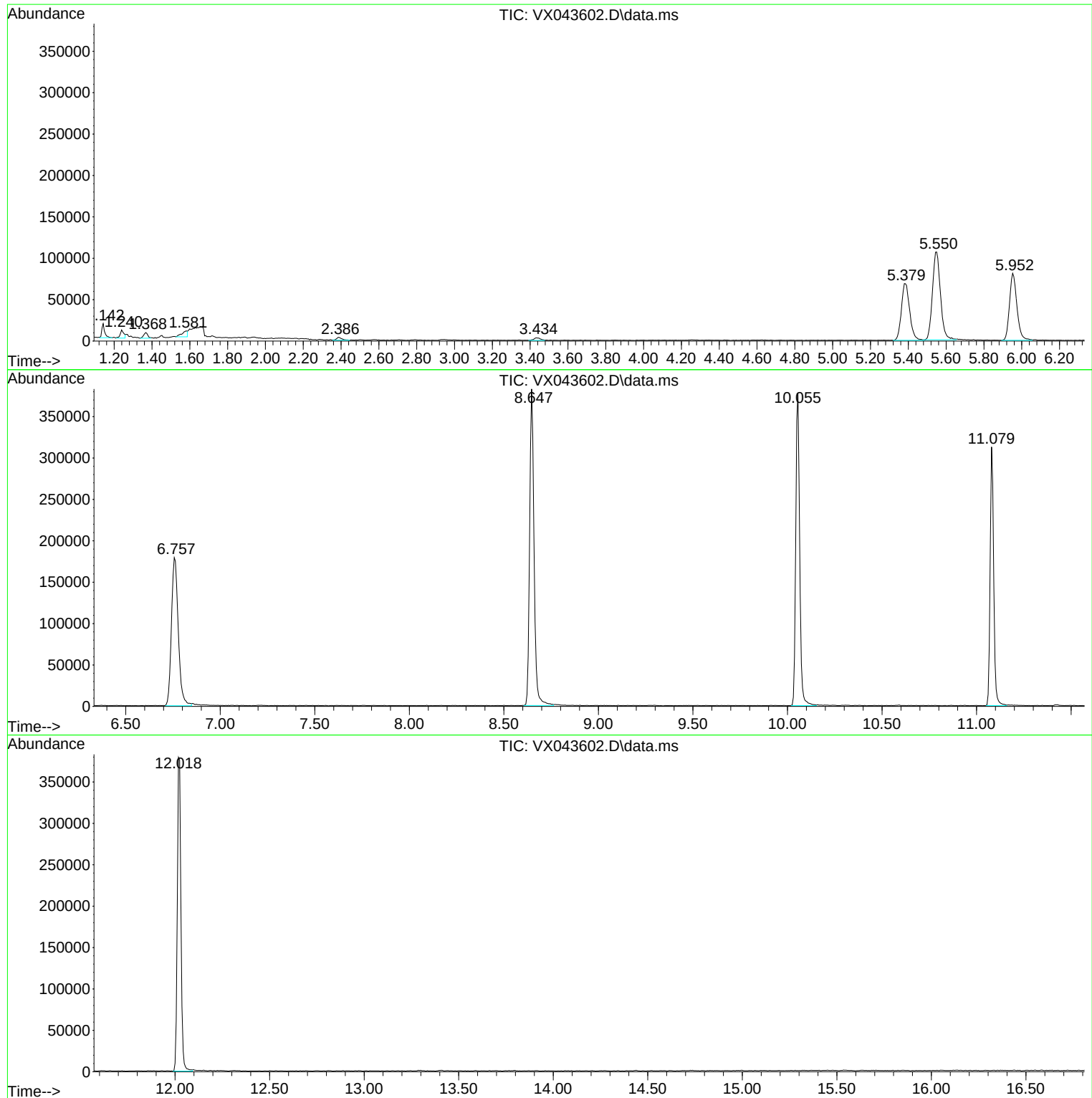
Sum of corrected areas: 3337680

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043602.D
Acq On : 29 Oct 2024 17:11
Operator : JC/MD
Sample : P4600-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043602.D
Acq On : 29 Oct 2024 17:11
Operator : JC/MD
Sample : P4600-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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_X\Data\VX102924\
Data File : VX043602.D
Acq On : 29 Oct 2024 17:11
Operator : JC/MD
Sample : P4600-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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
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Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	10/25/24	
Project:	CTO WE13			Date Received:	10/28/24	
Client Sample ID:	BP-VPB-190-GW-478-480			SDG No.:	P4600	
Lab Sample ID:	P4600-05			Matrix:	Water	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043616.D	1		10/30/24 12:06	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.40	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-478-480	SDG No.:	P4600
Lab Sample ID:	P4600-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043616.D	1		10/30/24 12:06	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.9		81 - 118		84%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.55				
540-36-3	1,4-Difluorobenzene	259000	6.757				
3114-55-4	Chlorobenzene-d5	229000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	100000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	10/25/24	
Project:	CTO WE13		Date Received:	10/28/24	
Client Sample ID:	BP-VPB-190-GW-478-480		SDG No.:	P4600	
Lab Sample ID:	P4600-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043616.D	1		10/30/24 12:06	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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_X\Data\VX103024\
 Data File : VX043616.D
 Acq On : 30 Oct 2024 12:06
 Operator : JC/MD
 Sample : P4600-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190-GW-478-480

Quant Time: Oct 30 13:06:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

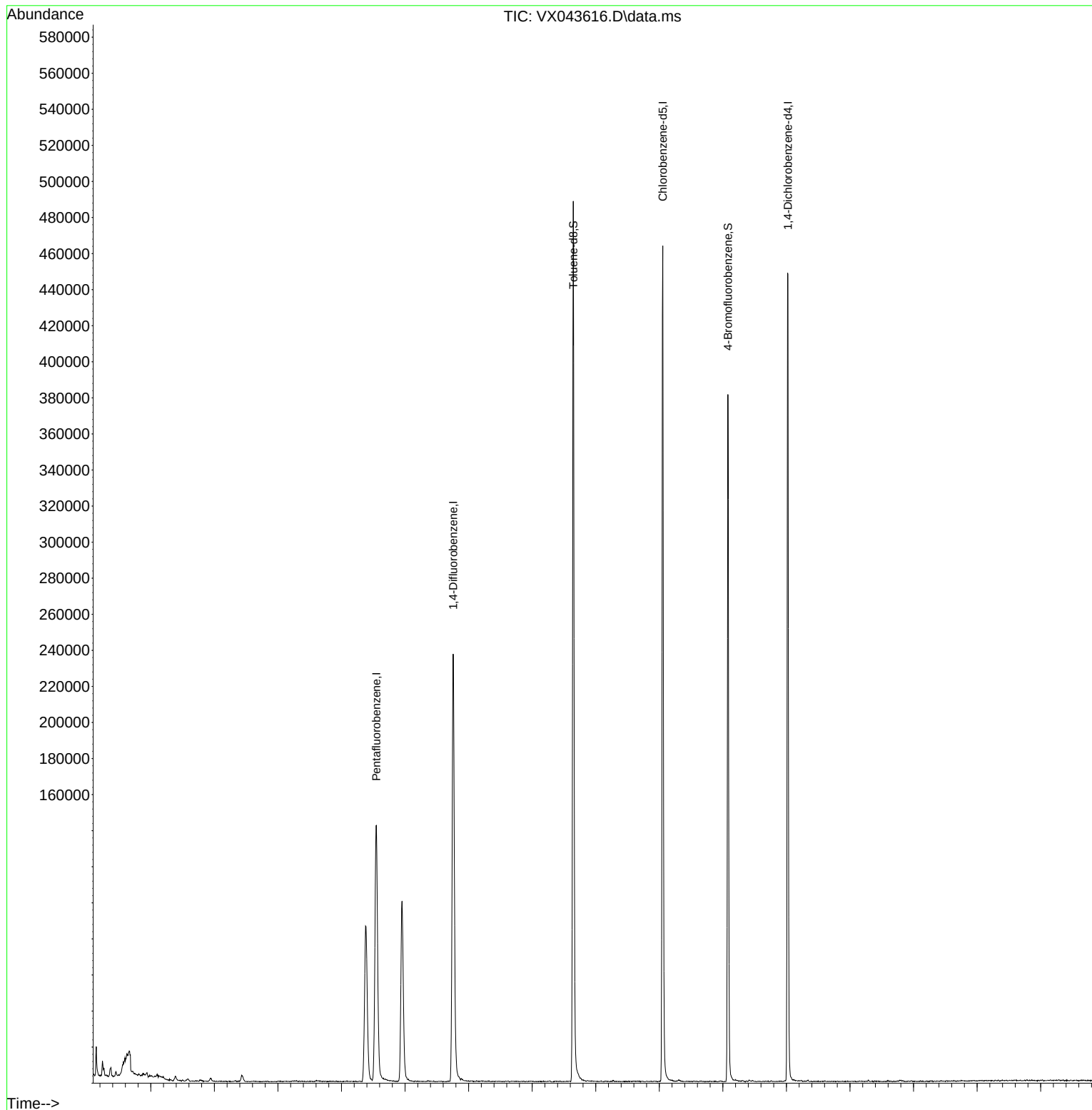
Internal Standards						
1) Pentafluorobenzene	5.550	168	143159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	259096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95599	41.880	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.760%
35) Dibromofluoromethane	5.385	113	79955	45.509	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.020%
50) Toluene-d8	8.647	98	304017	49.988	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.980%
62) 4-Bromofluorobenzene	11.079	95	106465	47.242	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.480%
Target Compounds						
16) Acetone	2.386	43	3065	3.381	ug/l	Qvalue # 85

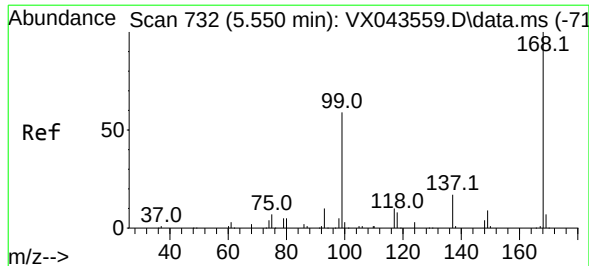
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043616.D
Acq On : 30 Oct 2024 12:06
Operator : JC/MD
Sample : P4600-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

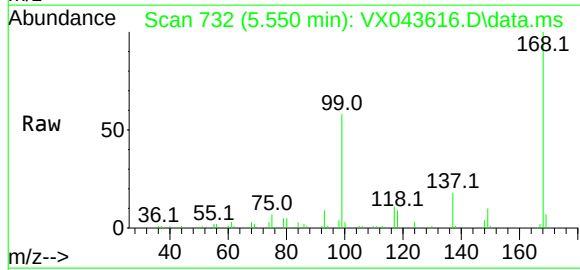
Quant Time: Oct 30 13:06:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



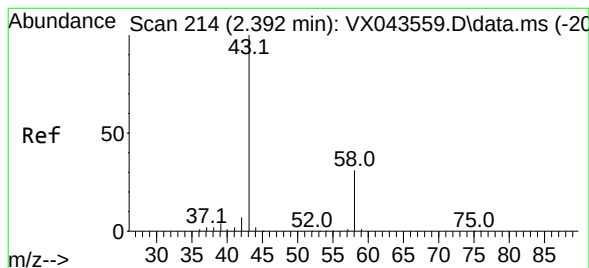
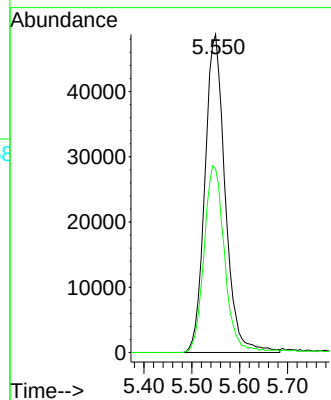
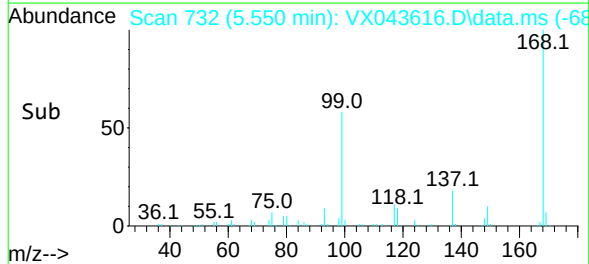


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

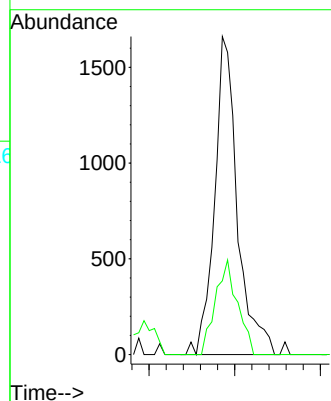
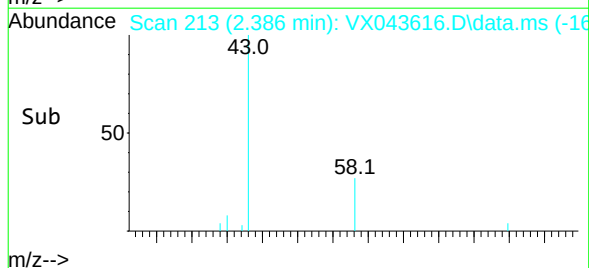
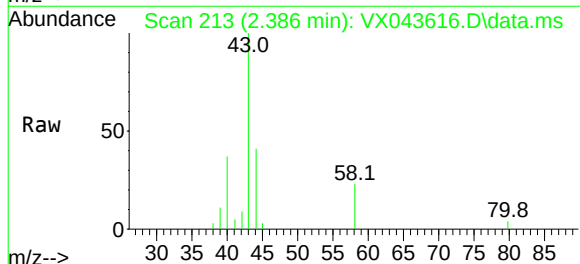


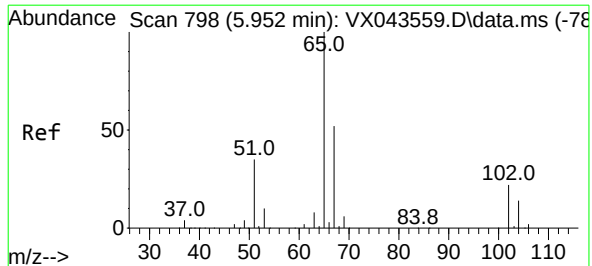
Tgt Ion: 168 Resp: 143159
Ion Ratio Lower Upper
168 100
99 57.8 52.6 78.8



#16
Acetone
Concen: 3.381 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Tgt Ion: 43 Resp: 3065
Ion Ratio Lower Upper
43 100
58 23.2 25.1 37.7#





#33

1,2-Dichloroethane-d4

Concen: 41.880 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.000 min

Lab File: VX043616.D

Acq: 30 Oct 2024 12:06

Instrument :

MSVOA_X

ClientSampleId :

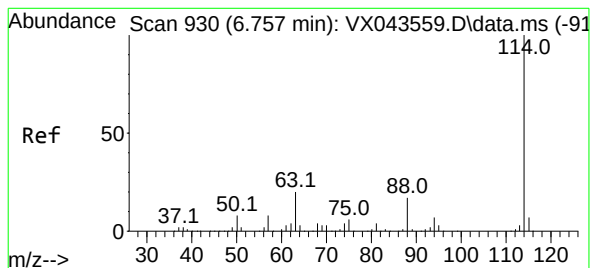
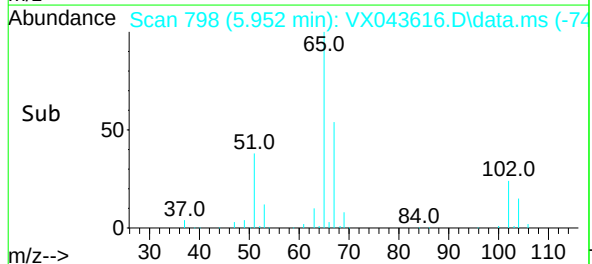
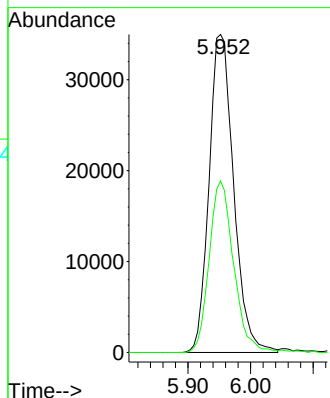
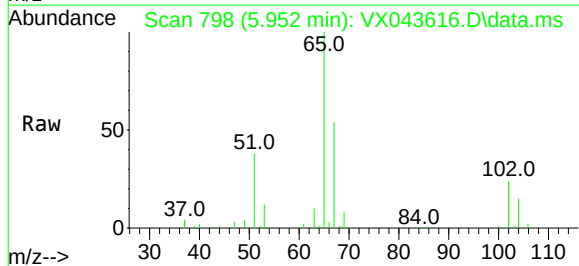
BP-VPB-190-GW-478-480

Tgt Ion: 65 Resp: 95599

Ion Ratio Lower Upper

65 100

67 53.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043616.D

Acq: 30 Oct 2024 12:06

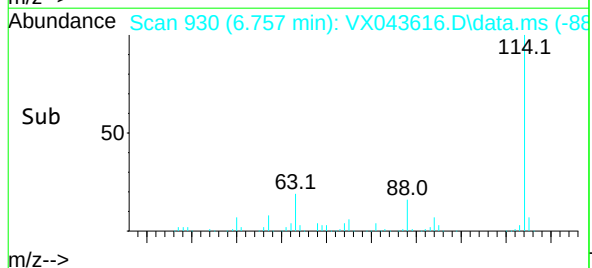
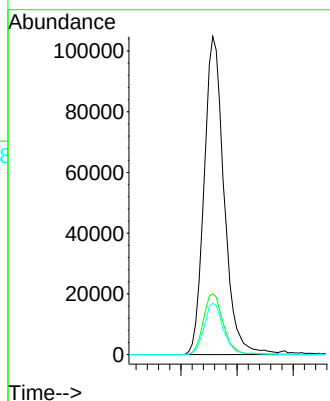
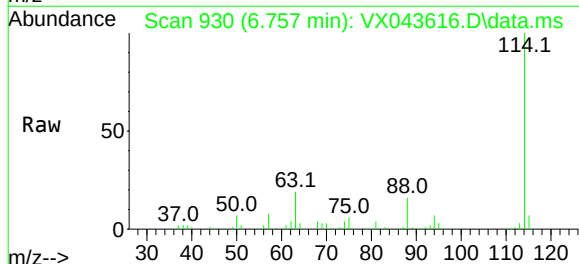
Tgt Ion: 114 Resp: 259096

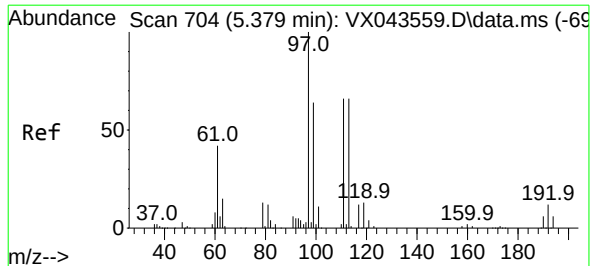
Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.2

88 16.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 45.509 ug/l

RT: 5.385 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043616.D

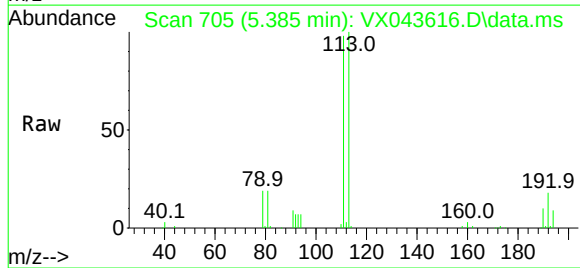
Acq: 30 Oct 2024 12:06

Instrument :

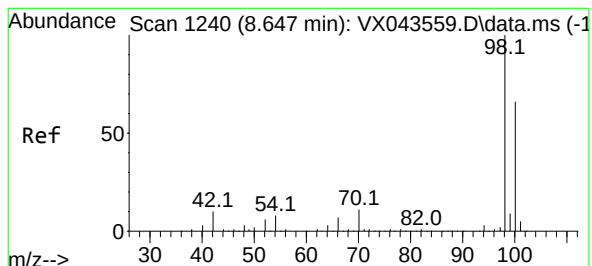
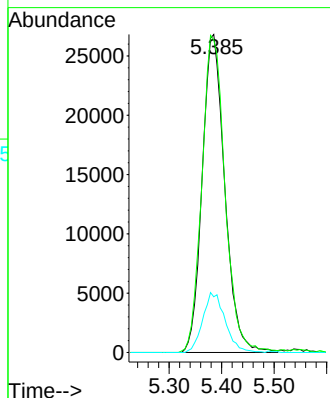
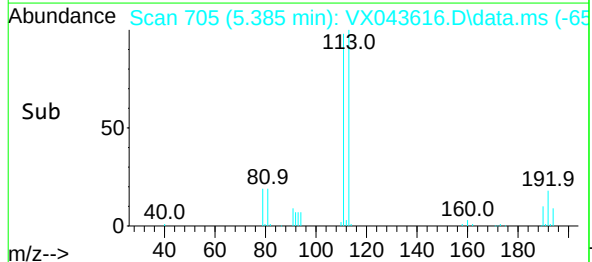
MSVOA_X

ClientSampleId :

BP-VPB-190-GW-478-480



Tgt Ion:	113	Resp:	79955
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.0
192	18.8	14.1	21.1



#50

Toluene-d8

Concen: 49.988 ug/l

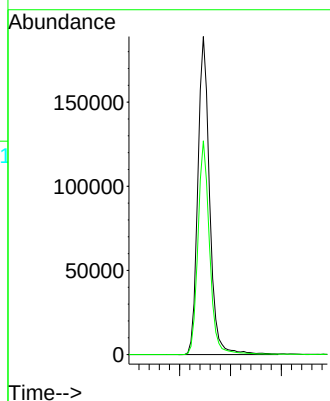
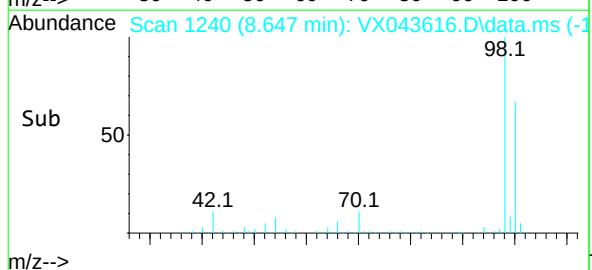
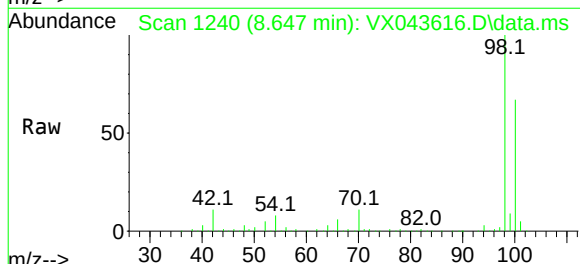
RT: 8.647 min Scan# 1240

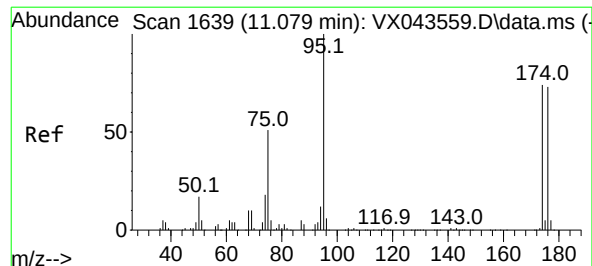
Delta R.T. -0.000 min

Lab File: VX043616.D

Acq: 30 Oct 2024 12:06

Tgt Ion:	98	Resp:	304017
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.4	80.2

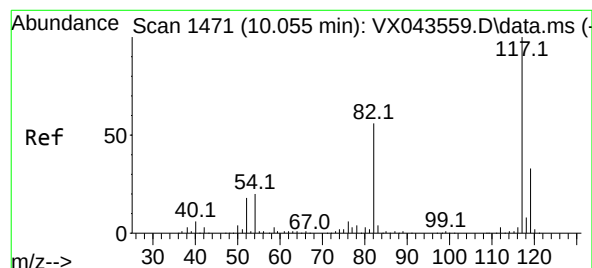
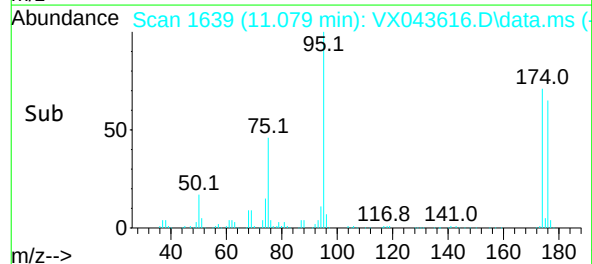
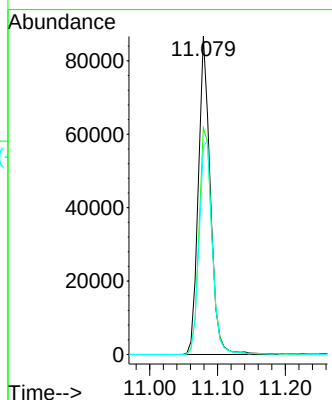
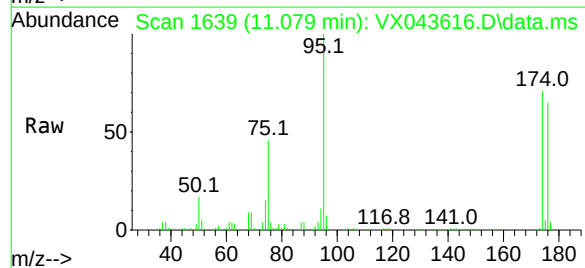




#62
4-Bromofluorobenzene
Concen: 47.242 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

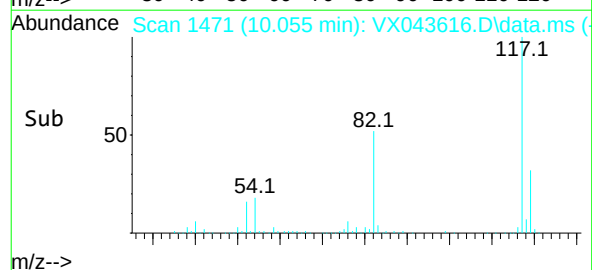
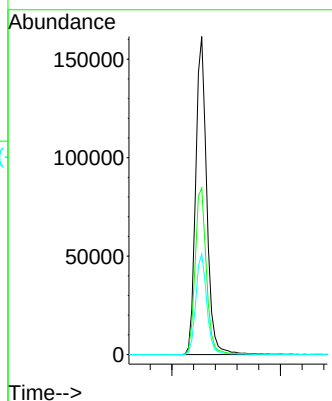
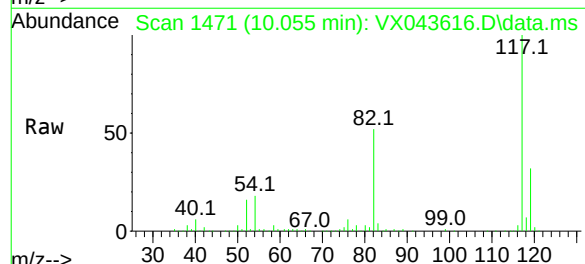
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

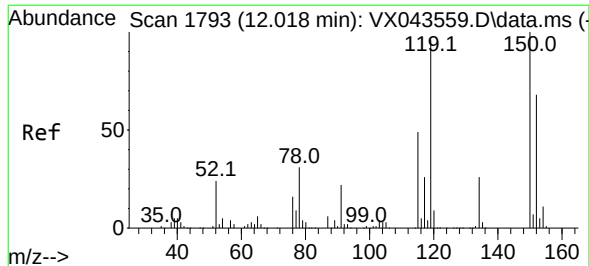
Tgt Ion: 95 Resp: 106465
Ion Ratio Lower Upper
95 100
174 77.0 0.0 146.6
176 73.7 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Tgt Ion: 117 Resp: 228779
Ion Ratio Lower Upper
117 100
82 52.4 42.1 63.1
119 31.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 17

Delta R.T. -0.000 min

Lab File: VX043616.D

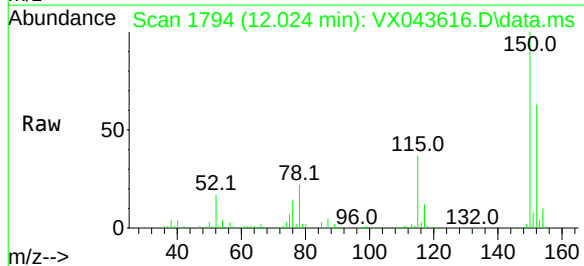
Acq: 30 Oct 2024 12:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-GW-478-480



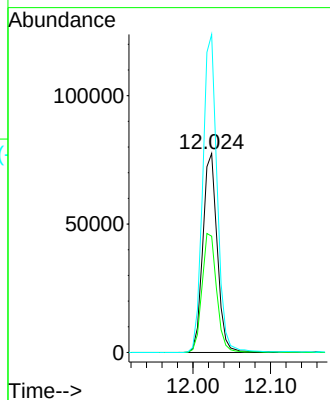
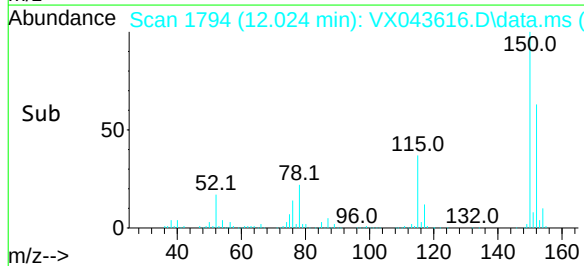
Tgt Ion:152 Resp: 100346

Ion Ratio Lower Upper

152 100

115 60.4 42.9 128.7

150 159.6 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043616.D
 Acq On : 30 Oct 2024 12:06
 Operator : JC/MD
 Sample : P4600-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190-GW-478-480

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_X\Method\82X102824W.M
 Title : SW846 8260

Signal : TIC: VX043616.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	17	rVB	16128	17307	2.19%	0.417%
2	1.239	22	25	27	rBV	8164	8647	1.09%	0.209%
3	1.374	40	47	50	rBV3	5085	8796	1.11%	0.212%
4	1.593	69	83	84	rBV4	9780	27232	3.45%	0.657%
5	3.428	379	384	394	rBV4	3498	8308	1.05%	0.200%
6	5.379	695	704	721	rBV	86355	261381	33.09%	6.304%
7	5.550	721	732	749	rBV	141481	417984	52.91%	10.082%
8	5.952	789	798	814	rBV2	99809	268383	33.97%	6.473%
9	6.757	921	930	949	rBV	236960	578700	73.26%	13.958%
10	8.647	1233	1240	1258	rBV	488318	789972	100.00%	19.054%
11	10.055	1465	1471	1489	rBV	463286	666468	84.37%	16.075%
12	11.079	1633	1639	1653	rBV	381116	495023	62.66%	11.940%
13	12.018	1788	1793	1806	rBV	448098	597750	75.67%	14.418%

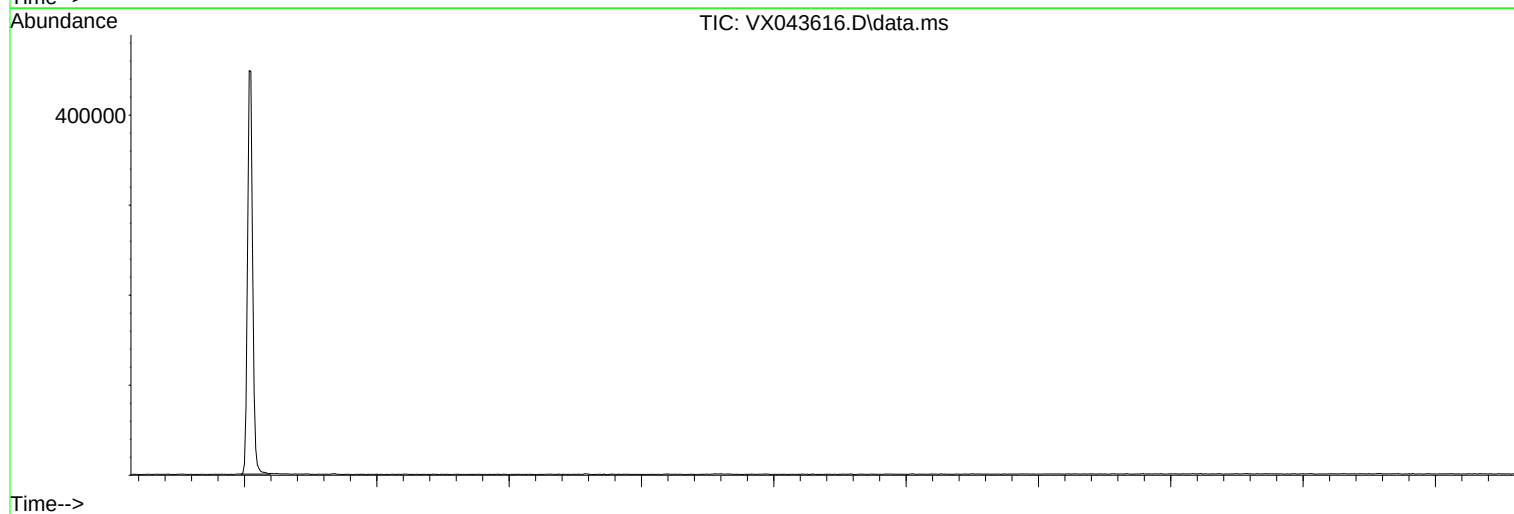
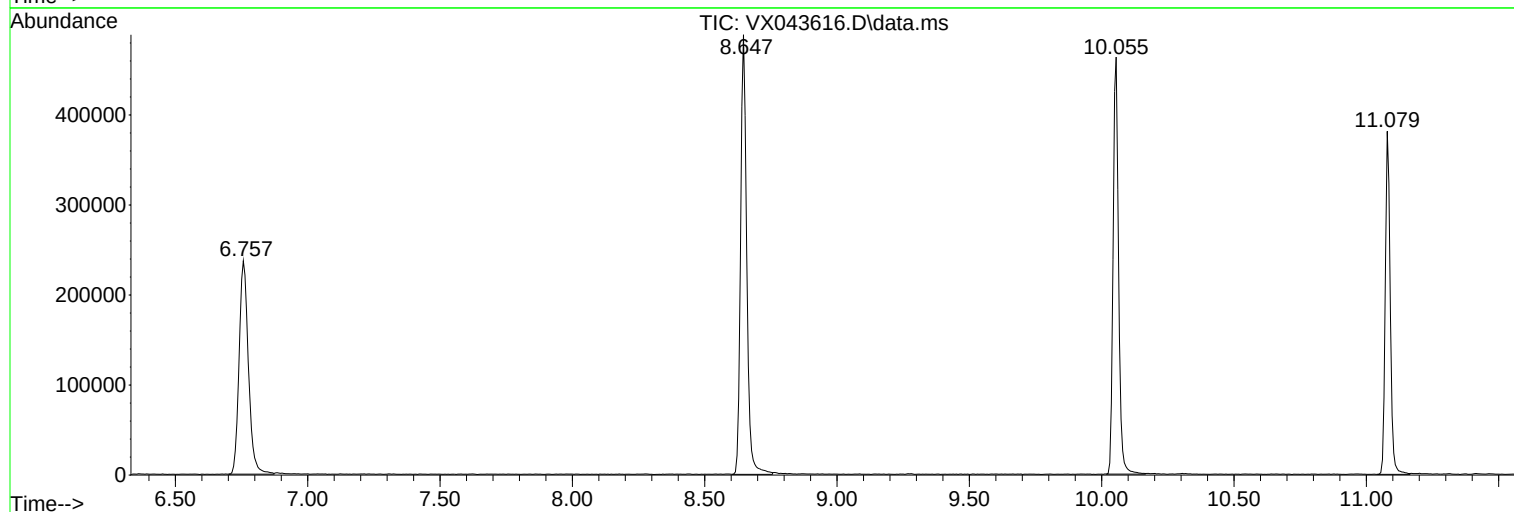
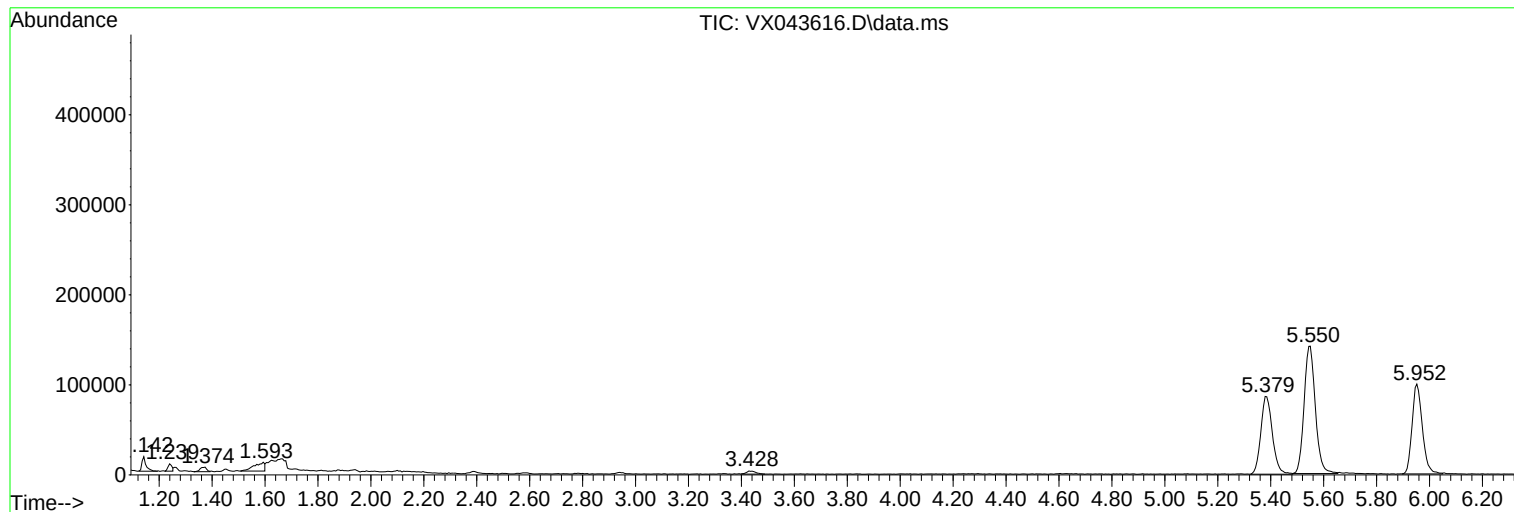
Sum of corrected areas: 4145951

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043616.D
Acq On : 30 Oct 2024 12:06
Operator : JC/MD
Sample : P4600-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043616.D
Acq On : 30 Oct 2024 12:06
Operator : JC/MD
Sample : P4600-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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_X\Data\VX103024\
Data File : VX043616.D
Acq On : 30 Oct 2024 12:06
Operator : JC/MD
Sample : P4600-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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:	Tetra Tech NUS, Inc.			Date Collected:	10/25/24		
Project:	CTO WE13			Date Received:	10/28/24		
Client Sample ID:	BP-VPB-190-GW-498-500			SDG No.:	P4600		
Lab Sample ID:	P4600-06			Matrix:	Water		
Analytical Method:	SW8260			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:			uL	Test:	VOCMS Group1		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043604.D	1		10/29/24 17:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	10.6		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	10/25/24	
Project:	CTO WE13		Date Received:	10/28/24	
Client Sample ID:	BP-VPB-190-GW-498-500		SDG No.:	P4600	
Lab Sample ID:	P4600-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043604.D	1		10/29/24 17:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.8		81 - 118		88%	SPK: 50
1868-53-7	Dibromofluoromethane	45.9		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	128000	5.55				
540-36-3	1,4-Difluorobenzene	238000	6.757				
3114-55-4	Chlorobenzene-d5	216000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	99200	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	10/25/24	
Project:	CTO WE13		Date Received:	10/28/24	
Client Sample ID:	BP-VPB-190-GW-498-500		SDG No.:	P4600	
Lab Sample ID:	P4600-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043604.D	1		10/29/24 17:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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_X\Data\VX102924\
Data File : VX043604.D
Acq On : 29 Oct 2024 17:57
Operator : JC/MD
Sample : P4600-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Quant Time: Oct 30 01:36:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

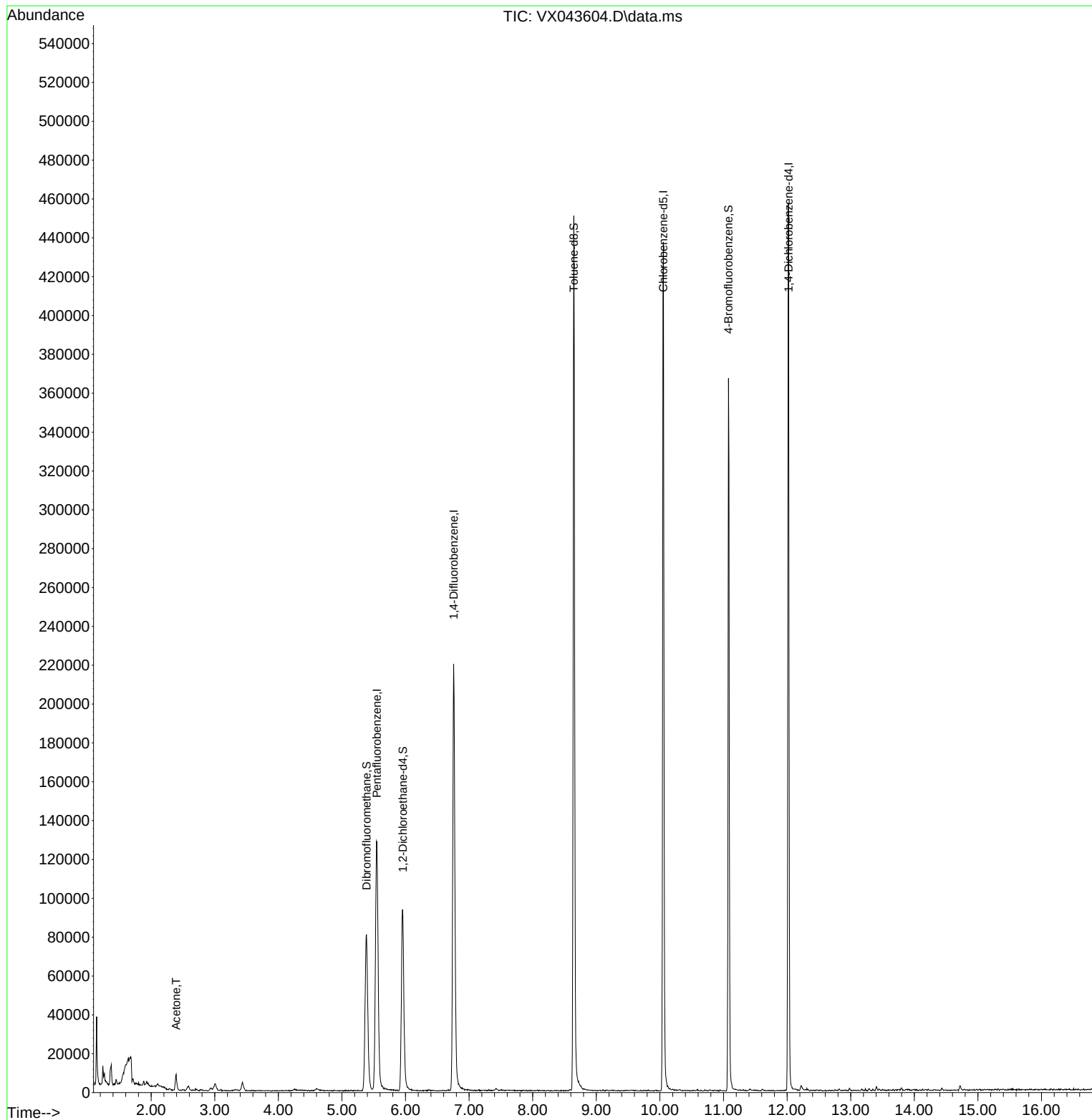
Internal Standards						
1) Pentafluorobenzene	5.550	168	128235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237971	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89594	43.817	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.640%
35) Dibromofluoromethane	5.385	113	74107	45.924	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.840%
50) Toluene-d8	8.647	98	279025	49.951	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.900%
62) 4-Bromofluorobenzene	11.079	95	105956	51.189	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.380%
Target Compounds						
16) Acetone	2.392	43	8608	10.601	ug/l	Qvalue 99

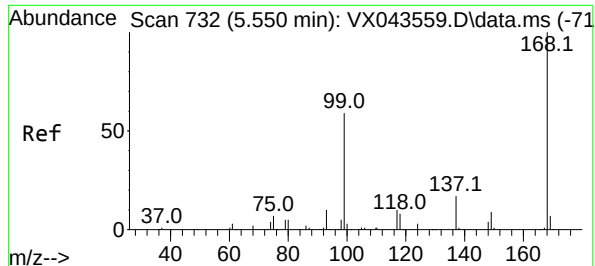
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043604.D
Acq On : 29 Oct 2024 17:57
Operator : JC/MD
Sample : P4600-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Quant Time: Oct 30 01:36:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

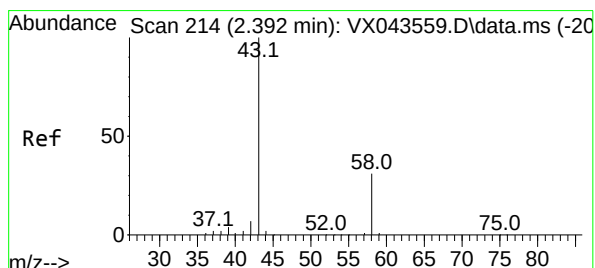
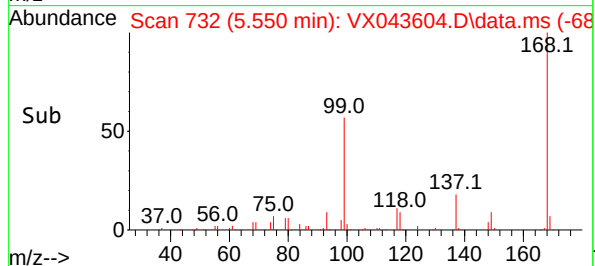
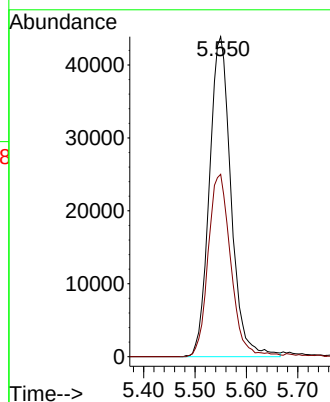
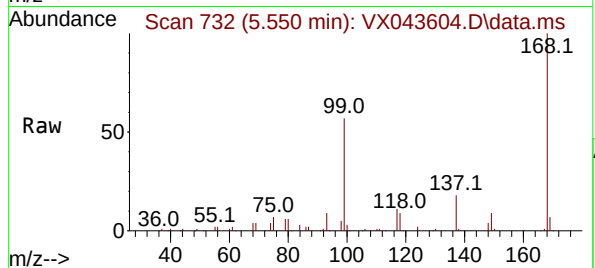




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX043604.D
Acq: 29 Oct 2024 17:57

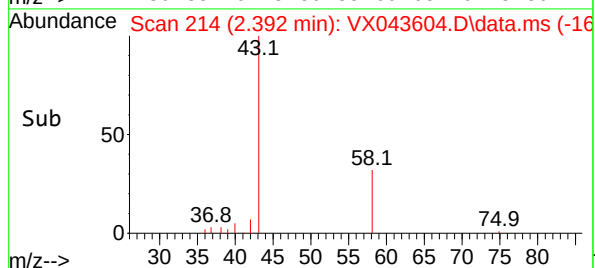
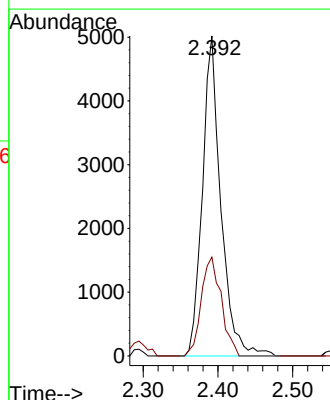
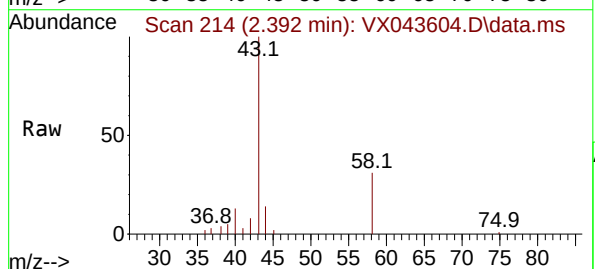
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

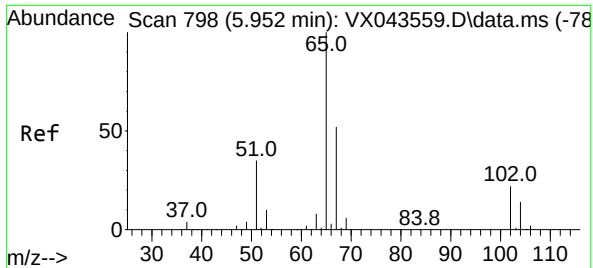
Tgt Ion:168 Resp: 128235
Ion Ratio Lower Upper
168 100
99 57.0 52.6 78.8



#16
Acetone
Concen: 10.601 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043604.D
Acq: 29 Oct 2024 17:57

Tgt Ion: 43 Resp: 8608
Ion Ratio Lower Upper
43 100
58 30.9 25.1 37.7





#33

1,2-Dichloroethane-d4

Concen: 43.817 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043604.D

Acq: 29 Oct 2024 17:57

Instrument :

MSVOA_X

ClientSampleId :

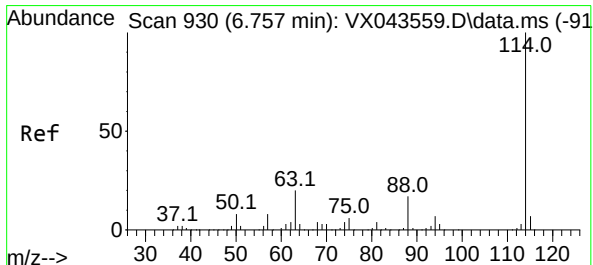
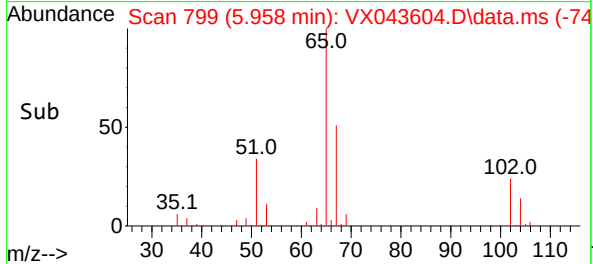
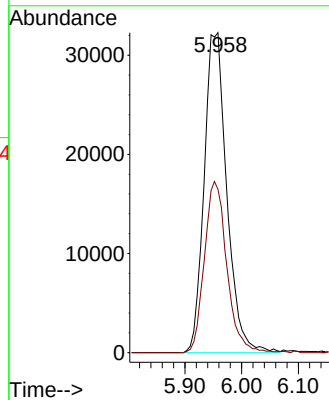
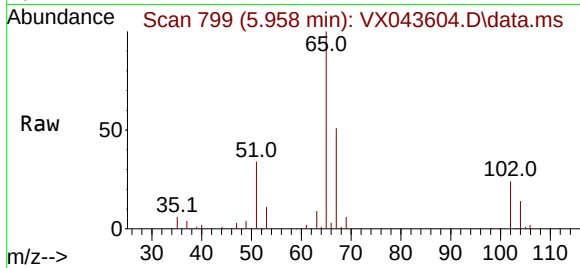
BP-VPB-190-GW-498-500

Tgt Ion: 65 Resp: 89594

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043604.D

Acq: 29 Oct 2024 17:57

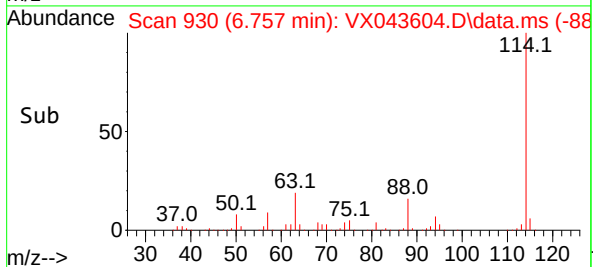
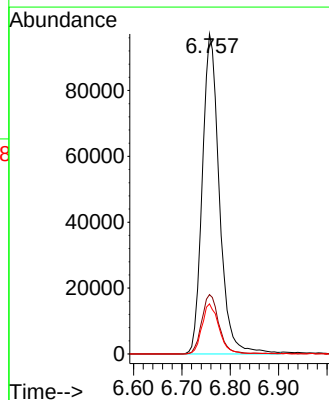
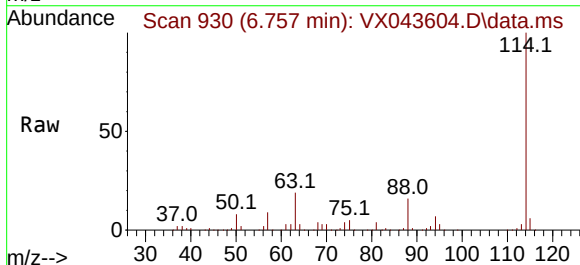
Tgt Ion: 114 Resp: 237971

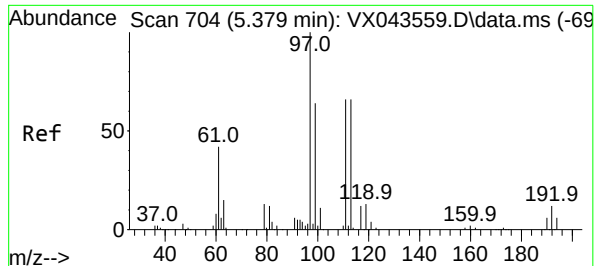
Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.2

88 15.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 45.924 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043604.D

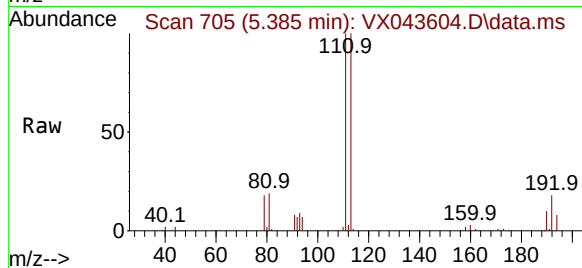
Acq: 29 Oct 2024 17:57

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-GW-498-500



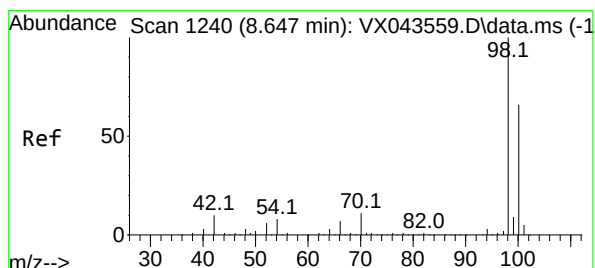
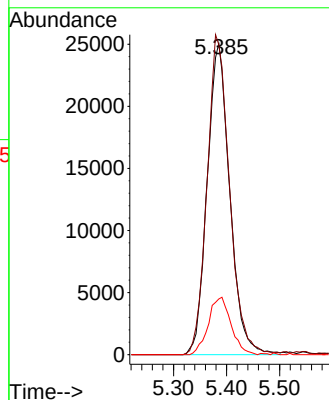
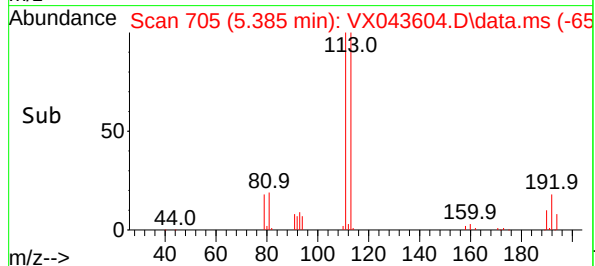
Tgt Ion:113 Resp: 74107

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 18.6 14.1 21.1



#50

Toluene-d8

Concen: 49.951 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043604.D

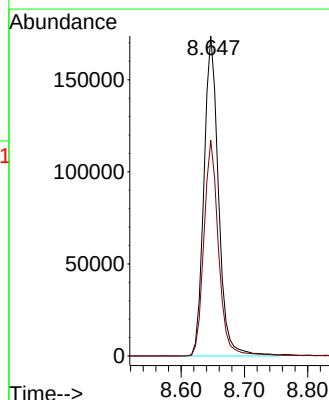
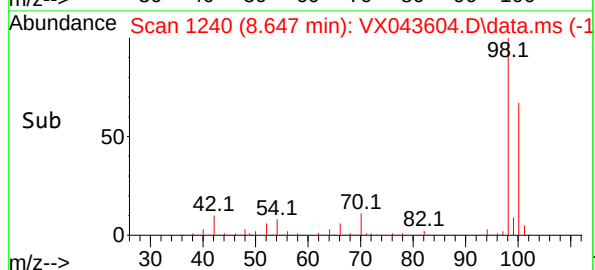
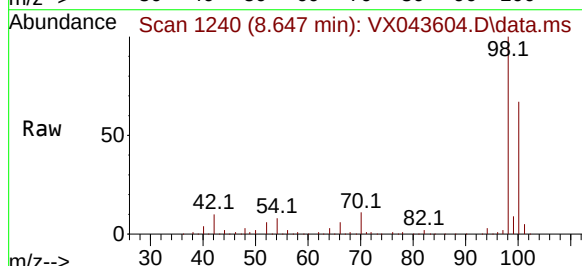
Acq: 29 Oct 2024 17:57

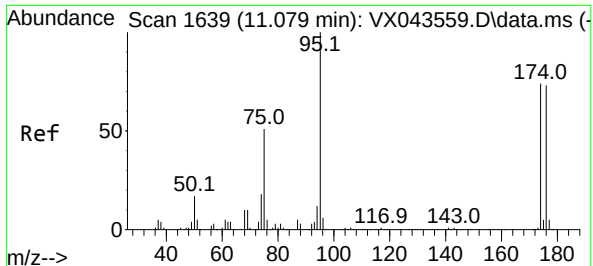
Tgt Ion: 98 Resp: 279025

Ion Ratio Lower Upper

98 100

100 67.8 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 51.189 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043604.D

Acq: 29 Oct 2024 17:57

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-GW-498-500

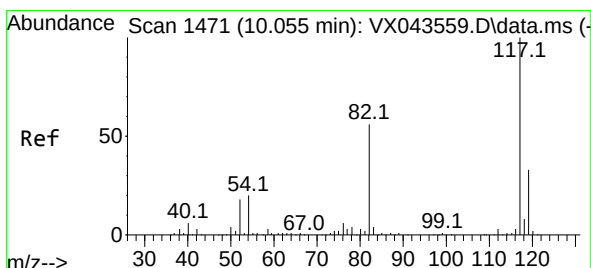
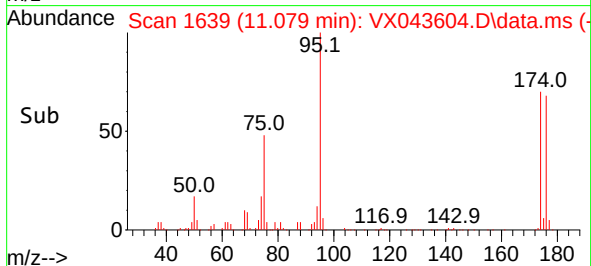
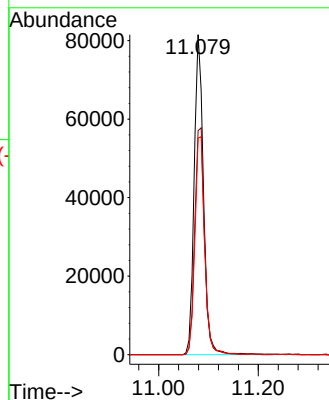
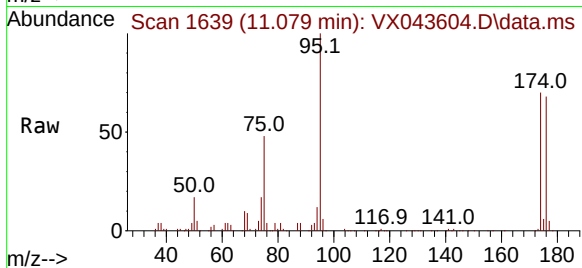
Tgt Ion: 95 Resp: 105956

Ion Ratio Lower Upper

95 100

174 74.4 0.0 146.6

176 71.2 0.0 139.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043604.D

Acq: 29 Oct 2024 17:57

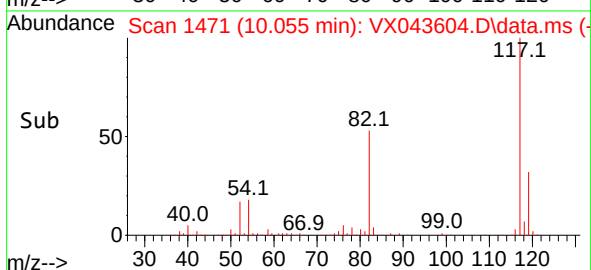
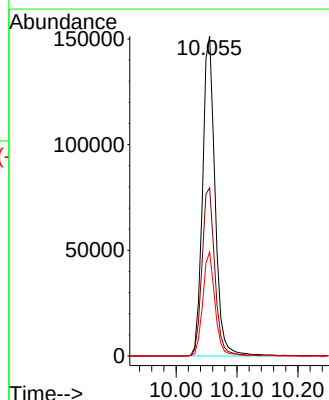
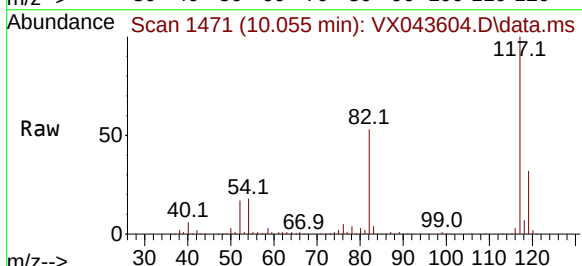
Tgt Ion: 117 Resp: 216332

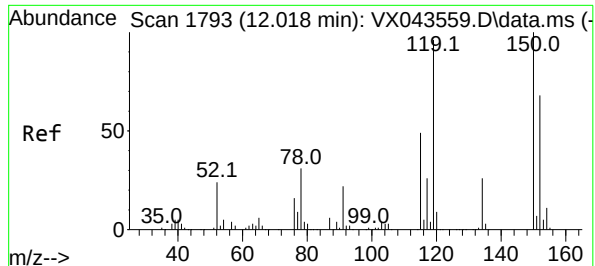
Ion Ratio Lower Upper

117 100

82 52.6 42.1 63.1

119 32.5 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043604.D

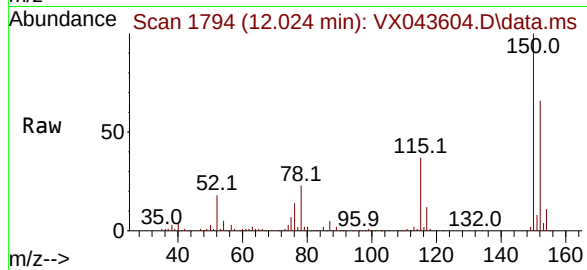
Acq: 29 Oct 2024 17:57

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-GW-498-500



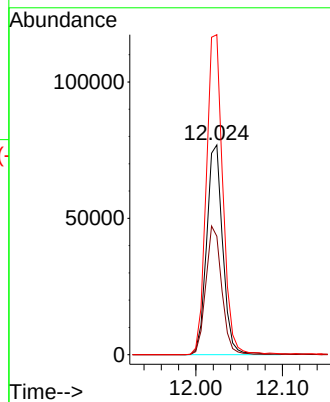
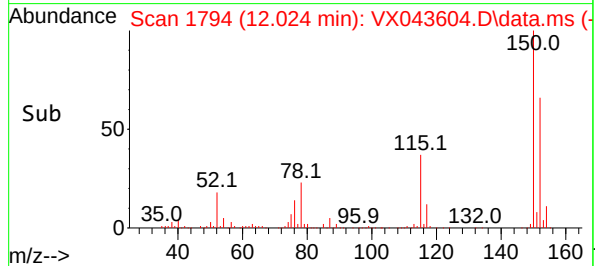
Tgt Ion:152 Resp: 99219

Ion Ratio Lower Upper

152 100

115 60.5 42.9 128.7

150 157.0 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043604.D
 Acq On : 29 Oct 2024 17:57
 Operator : JC/MD
 Sample : P4600-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190-GW-498-500

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_X\Method\82X102824W.M
 Title : SW846 8260

Signal : TIC: VX043604.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	18	rVB	35095	36173	4.96%	0.912%
2	1.240	22	25	27	rBV	9073	8631	1.18%	0.218%
3	1.374	41	47	51	rVB2	10417	17320	2.37%	0.437%
4	1.605	69	85	86	rBV4	9981	33525	4.60%	0.846%
5	2.392	209	214	222	rVB	8085	13672	1.87%	0.345%
6	3.007	308	315	323	rVB3	3387	8877	1.22%	0.224%
7	3.434	378	385	395	rVB5	4437	10053	1.38%	0.254%
8	5.385	694	705	720	rBV2	80552	240306	32.95%	6.061%
9	5.544	720	731	744	rBV	127750	371566	50.94%	9.372%
10	5.952	788	798	810	rBV	93340	252950	34.68%	6.380%
11	6.757	922	930	951	rBV	219341	529440	72.58%	13.354%
12	8.647	1234	1240	1257	rBV	449928	729414	100.00%	18.398%
13	10.055	1465	1471	1481	rBV	436749	633411	86.84%	15.977%
14	11.079	1634	1639	1655	rBV	366758	485592	66.57%	12.248%
15	12.018	1788	1793	1806	rBV	456906	593615	81.38%	14.973%

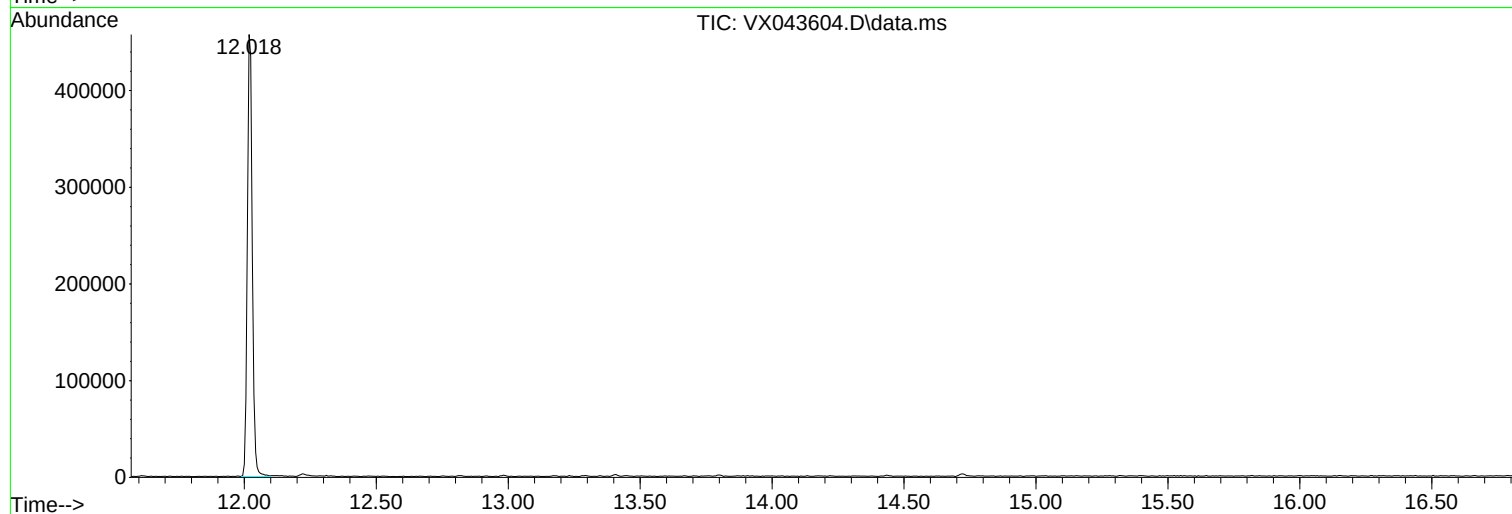
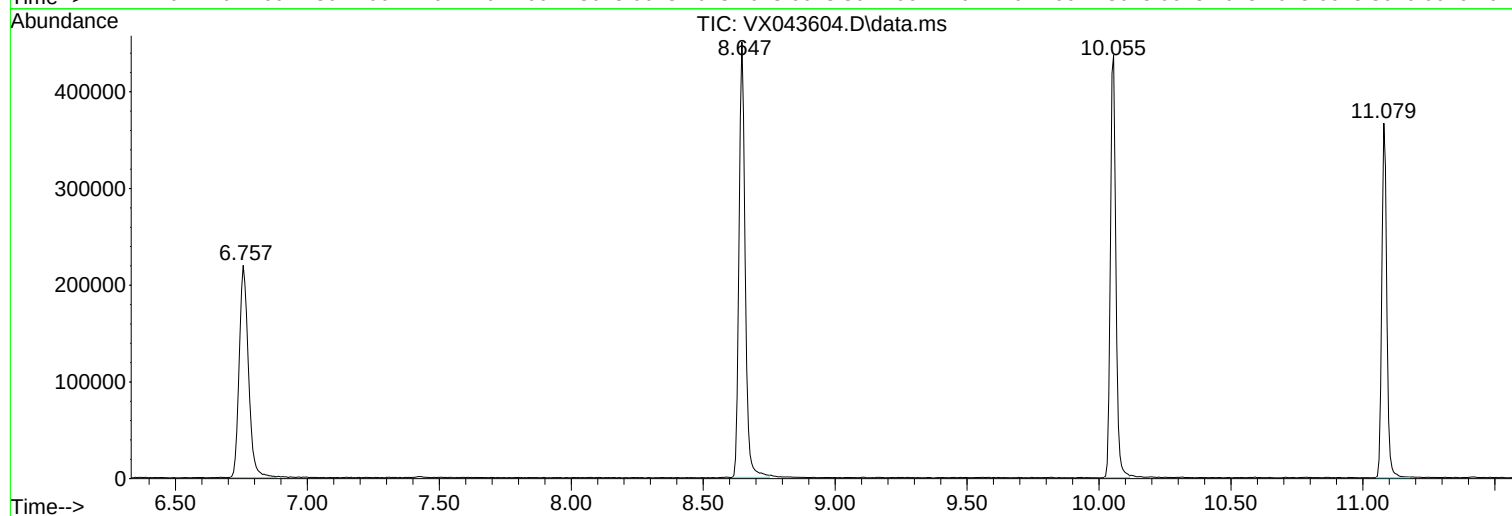
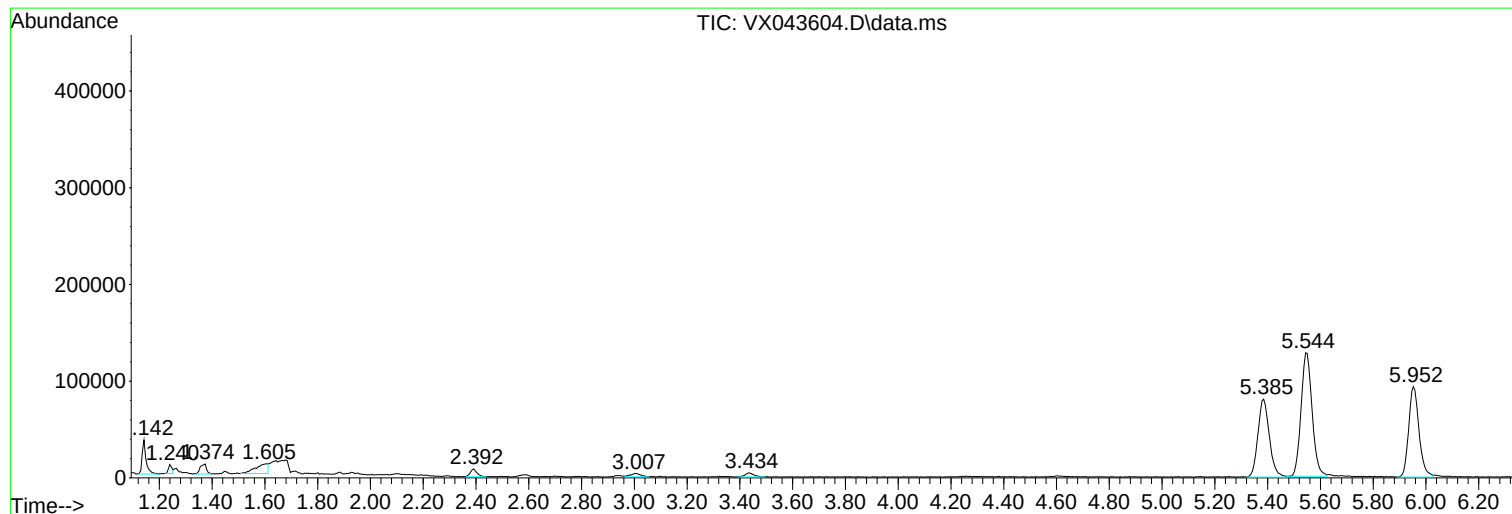
Sum of corrected areas: 3964545

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043604.D
Acq On : 29 Oct 2024 17:57
Operator : JC/MD
Sample : P4600-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043604.D
Acq On : 29 Oct 2024 17:57
Operator : JC/MD
Sample : P4600-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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_X\Data\VX102924\
Data File : VX043604.D
Acq On : 29 Oct 2024 17:57
Operator : JC/MD
Sample : P4600-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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
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Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	10/25/24	
Project:	CTO WE13			Date Received:	10/28/24	
Client Sample ID:	BP-VPB-190-GW-518-520			SDG No.:	P4600	
Lab Sample ID:	P4600-07			Matrix:	Water	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043605.D	1		10/29/24 18:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-518-520	SDG No.:	P4600
Lab Sample ID:	P4600-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043605.D	1		10/29/24 18:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.7		81 - 118		85%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.544				
540-36-3	1,4-Difluorobenzene	245000	6.757				
3114-55-4	Chlorobenzene-d5	220000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	98000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	10/25/24
Project:	CTO WE13		Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-518-520		SDG No.:	P4600
Lab Sample ID:	P4600-07		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043605.D	1		10/29/24 18:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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_X\Data\VX102924\
 Data File : VX043605.D
 Acq On : 29 Oct 2024 18:20
 Operator : JC/MD
 Sample : P4600-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190-GW-518-520

Quant Time: Oct 30 01:36:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

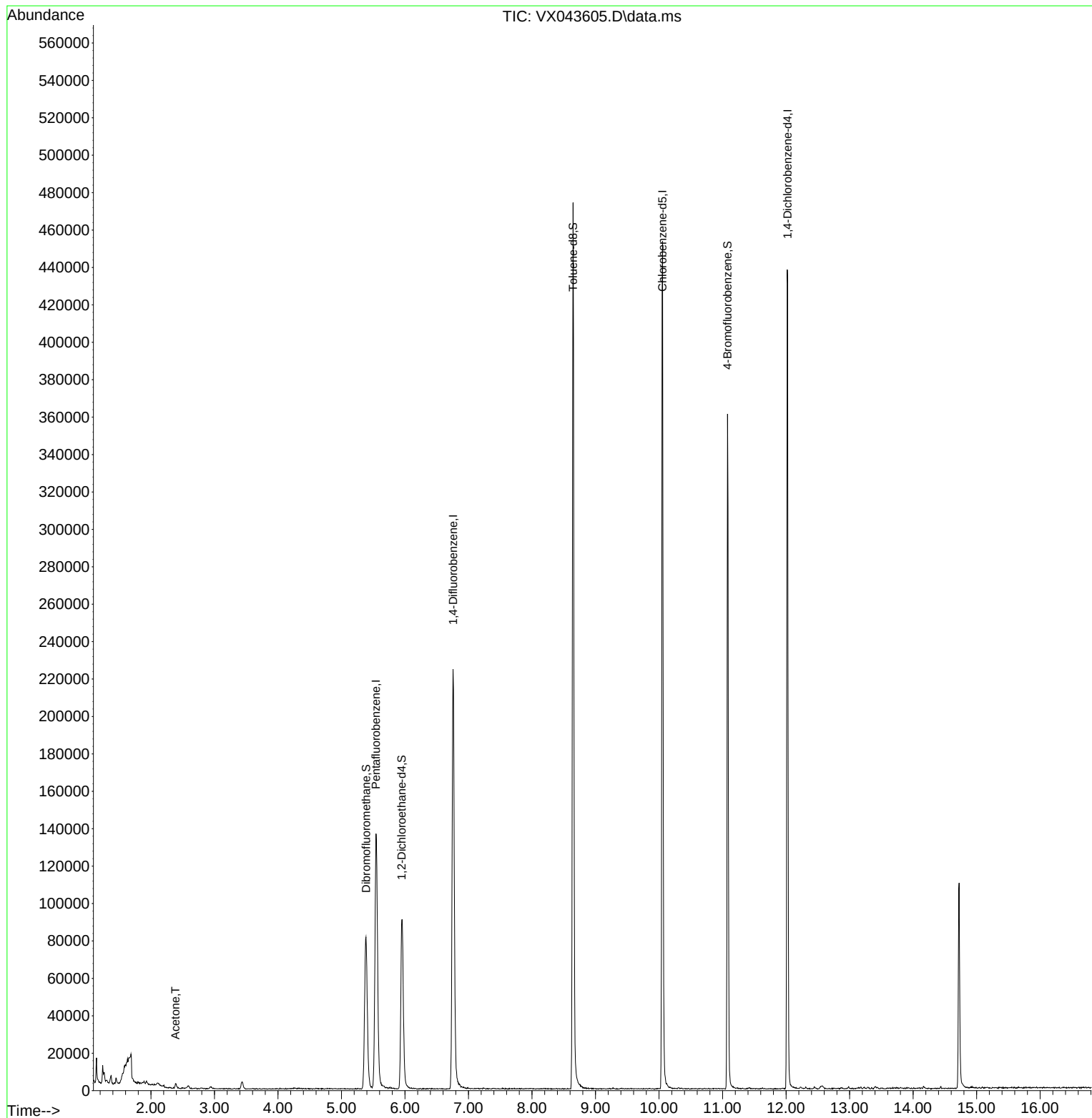
Internal Standards						
1) Pentafluorobenzene	5.544	168	133601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245193	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	91064	42.747	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.500%
35) Dibromofluoromethane	5.385	113	75165	45.208	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.420%
50) Toluene-d8	8.647	98	290898	50.543	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.080%
62) 4-Bromofluorobenzene	11.079	95	102924	48.260	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.520%
Target Compounds						
16) Acetone	2.386	43	3053	3.609	ug/l	Qvalue 95

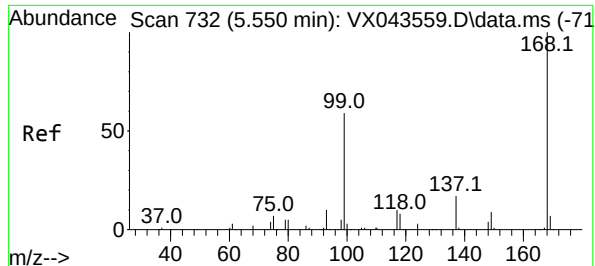
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043605.D
Acq On : 29 Oct 2024 18:20
Operator : JC/MD
Sample : P4600-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Quant Time: Oct 30 01:36:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

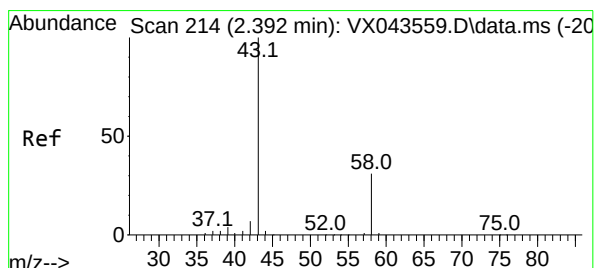
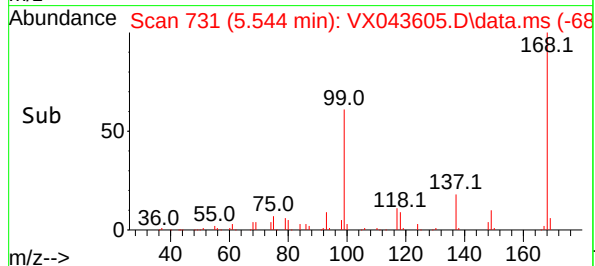
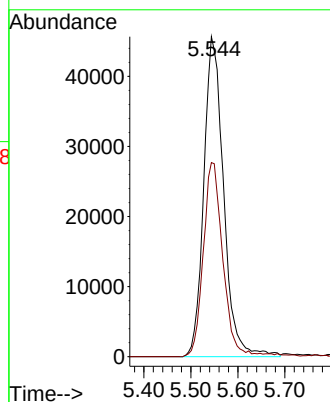
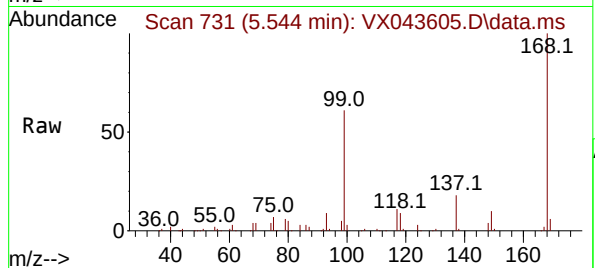




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043605.D
Acq: 29 Oct 2024 18:20

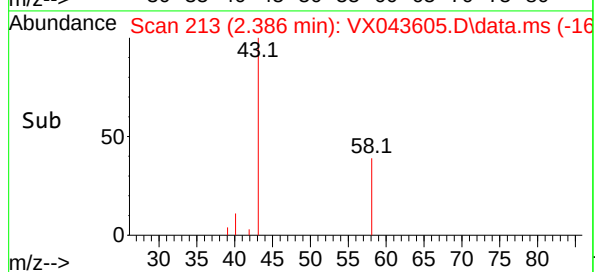
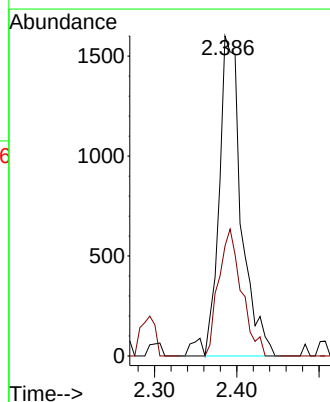
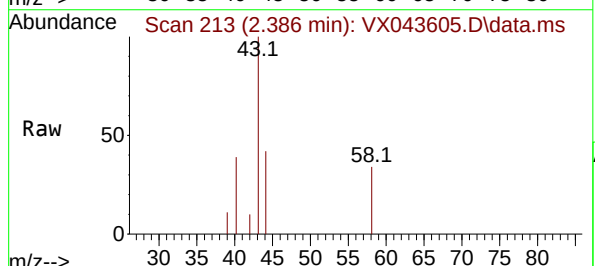
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

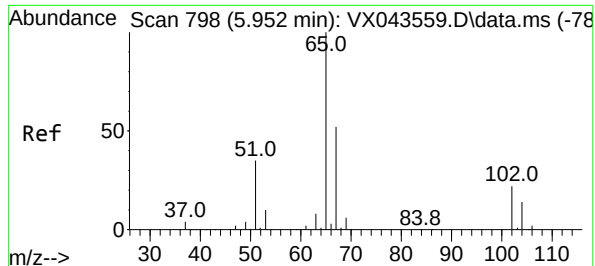
Tgt Ion:168 Resp: 133601
Ion Ratio Lower Upper
168 100
99 60.7 52.6 78.8



#16
Acetone
Concen: 3.609 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043605.D
Acq: 29 Oct 2024 18:20

Tgt Ion: 43 Resp: 3053
Ion Ratio Lower Upper
43 100
58 34.4 25.1 37.7





#33

1,2-Dichloroethane-d4

Concen: 42.747 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX043605.D

Acq: 29 Oct 2024 18:20

Instrument :

MSVOA_X

ClientSampleId :

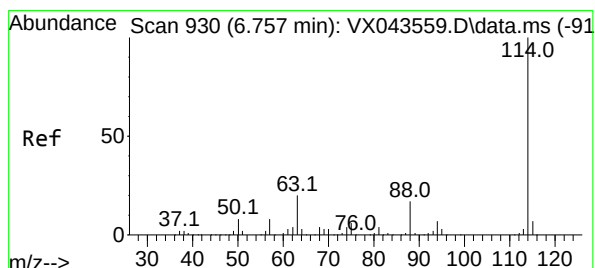
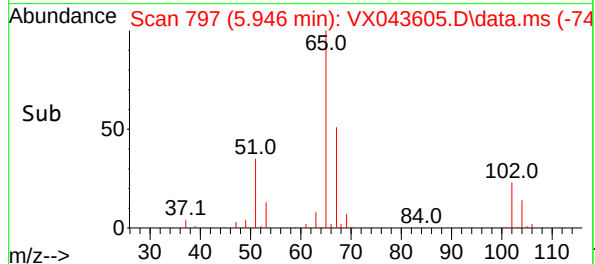
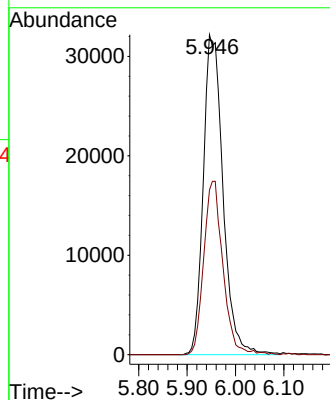
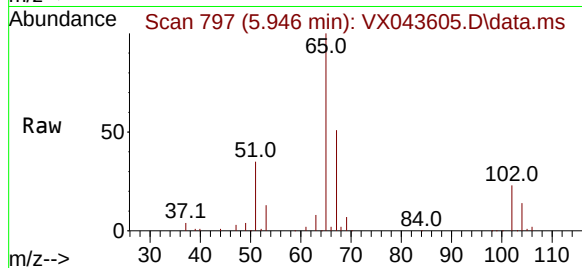
BP-VPB-190-GW-518-520

Tgt Ion: 65 Resp: 91064

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043605.D

Acq: 29 Oct 2024 18:20

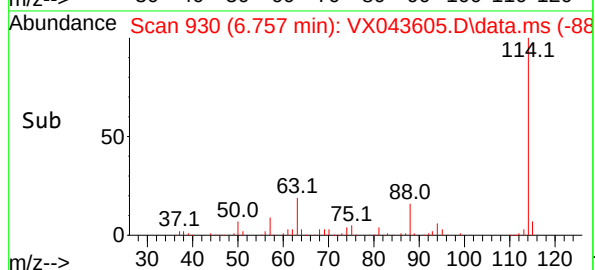
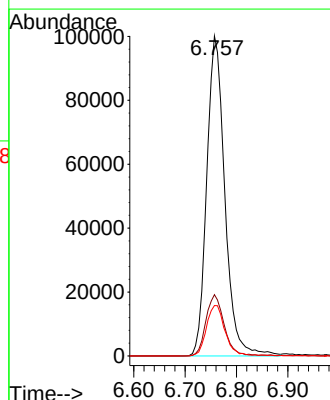
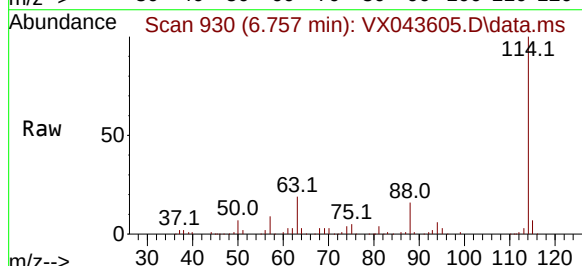
Tgt Ion: 114 Resp: 245193

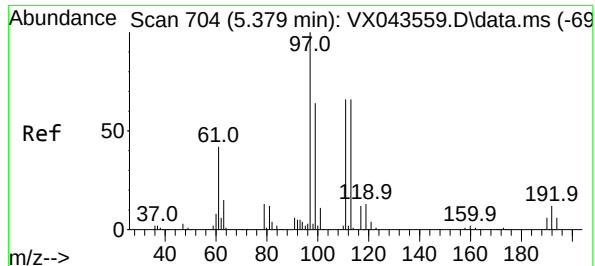
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.2

88 15.7 0.0 34.0





#35

Dibromofluoromethane

Concen: 45.208 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043605.D

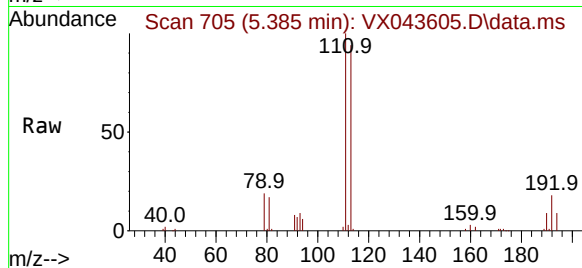
Acq: 29 Oct 2024 18:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-GW-518-520



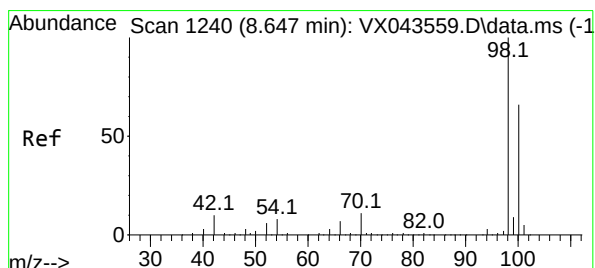
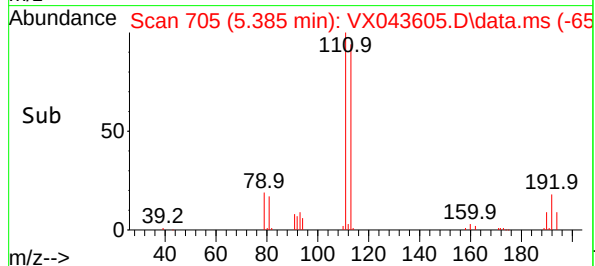
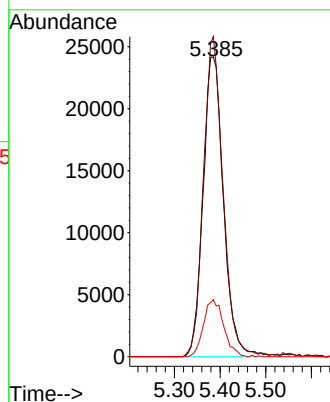
Tgt Ion:113 Resp: 75165

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 18.7 14.1 21.1



#50

Toluene-d8

Concen: 50.543 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043605.D

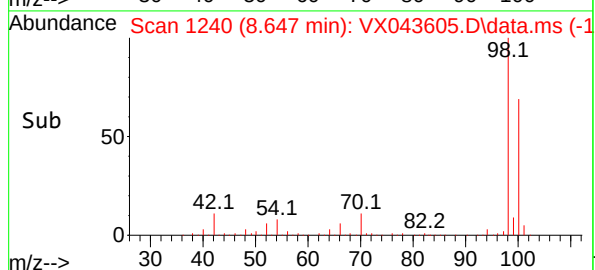
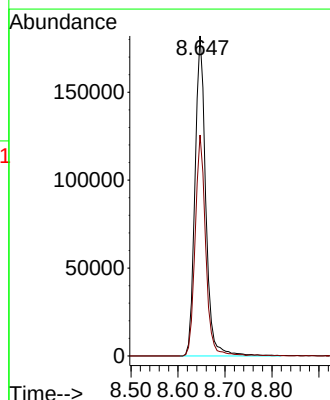
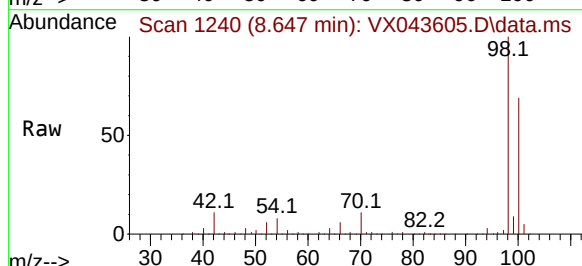
Acq: 29 Oct 2024 18:20

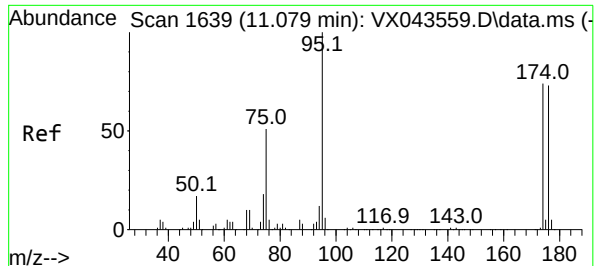
Tgt Ion: 98 Resp: 290898

Ion Ratio Lower Upper

98 100

100 67.1 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 48.260 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043605.D

Acq: 29 Oct 2024 18:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-GW-518-520

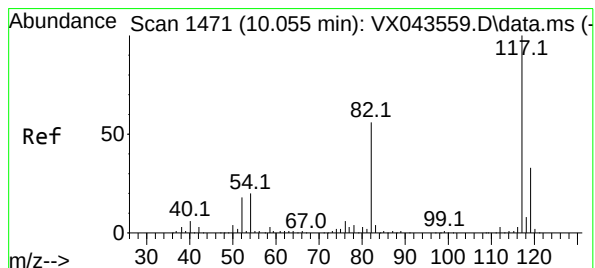
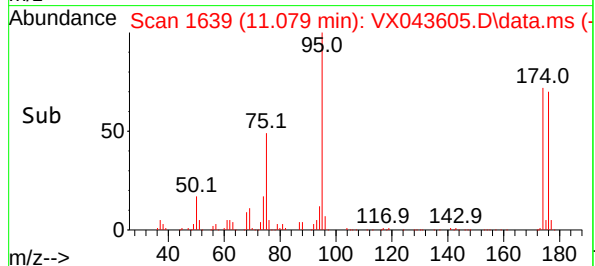
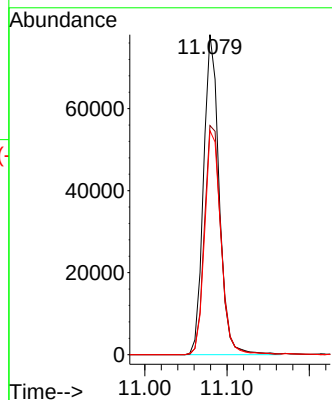
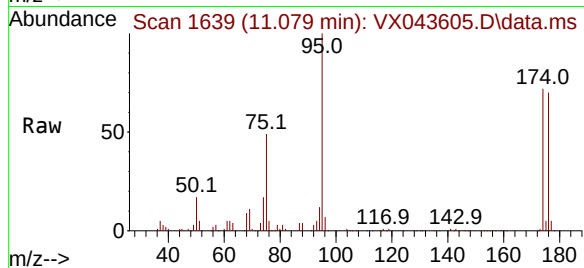
Tgt Ion: 95 Resp: 102924

Ion Ratio Lower Upper

95 100

174 75.9 0.0 146.6

176 73.0 0.0 139.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043605.D

Acq: 29 Oct 2024 18:20

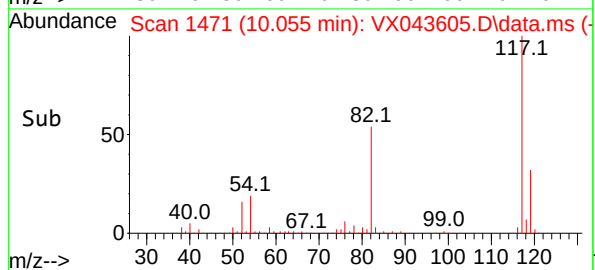
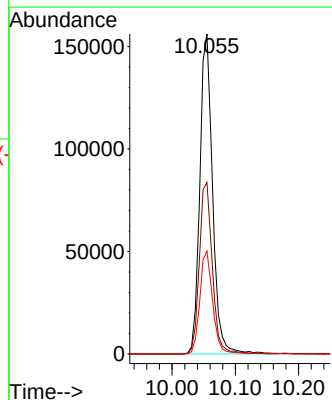
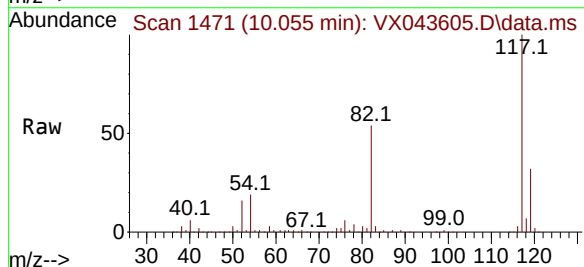
Tgt Ion: 117 Resp: 219937

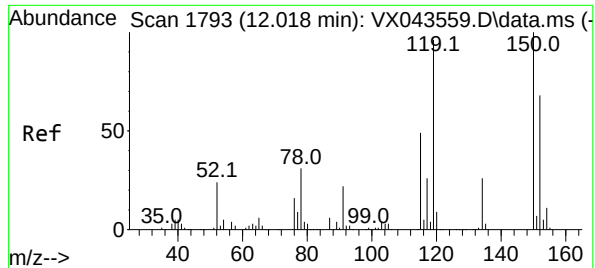
Ion Ratio Lower Upper

117 100

82 53.6 42.1 63.1

119 32.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043605.D

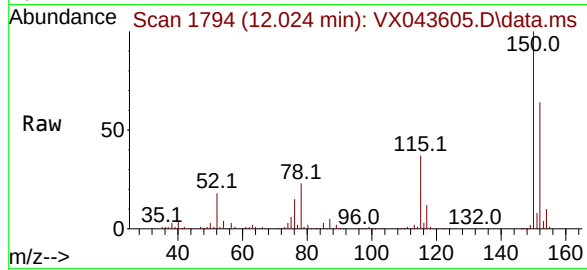
Acq: 29 Oct 2024 18:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190-GW-518-520



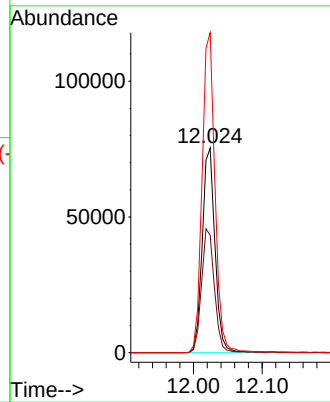
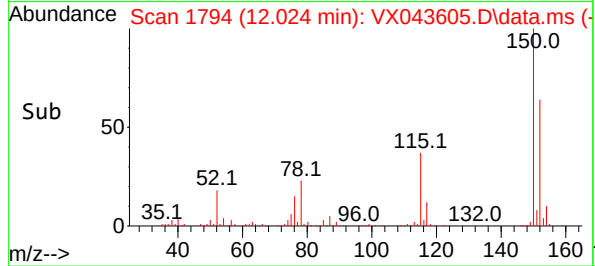
Tgt Ion:152 Resp: 98034

Ion Ratio Lower Upper

152 100

115 61.3 42.9 128.7

150 157.6 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043605.D
 Acq On : 29 Oct 2024 18:20
 Operator : JC/MD
 Sample : P4600-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190-GW-518-520

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_X\Method\82X102824W.M

Title : SW846 8260

Signal : TIC: VX043605.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	16	rVB2	13144	13249	1.75%	0.321%
2	1.240	22	25	27	rBV	9021	9120	1.21%	0.221%
3	1.557	69	77	78	rBV5	5164	10016	1.32%	0.243%
4	1.599	78	84	85	rBV5	4610	8781	1.16%	0.213%
5	3.434	379	385	395	rVB4	3914	9541	1.26%	0.231%
6	5.385	693	705	718	rBV	81222	245445	32.45%	5.946%
7	5.544	721	731	745	rBV	135883	390958	51.68%	9.471%
8	5.952	787	798	817	rBV2	90629	254454	33.64%	6.164%
9	6.757	922	930	946	rBV	224039	549776	72.68%	13.319%
10	8.647	1234	1240	1257	rBV	473751	756438	100.00%	18.325%
11	10.055	1465	1471	1481	rBV	452965	646167	85.42%	15.654%
12	11.079	1634	1639	1653	rBV	360821	478908	63.31%	11.602%
13	12.018	1788	1793	1808	rBV	437965	585983	77.47%	14.196%
14	14.725	2231	2237	2252	rBV	109602	169015	22.34%	4.095%

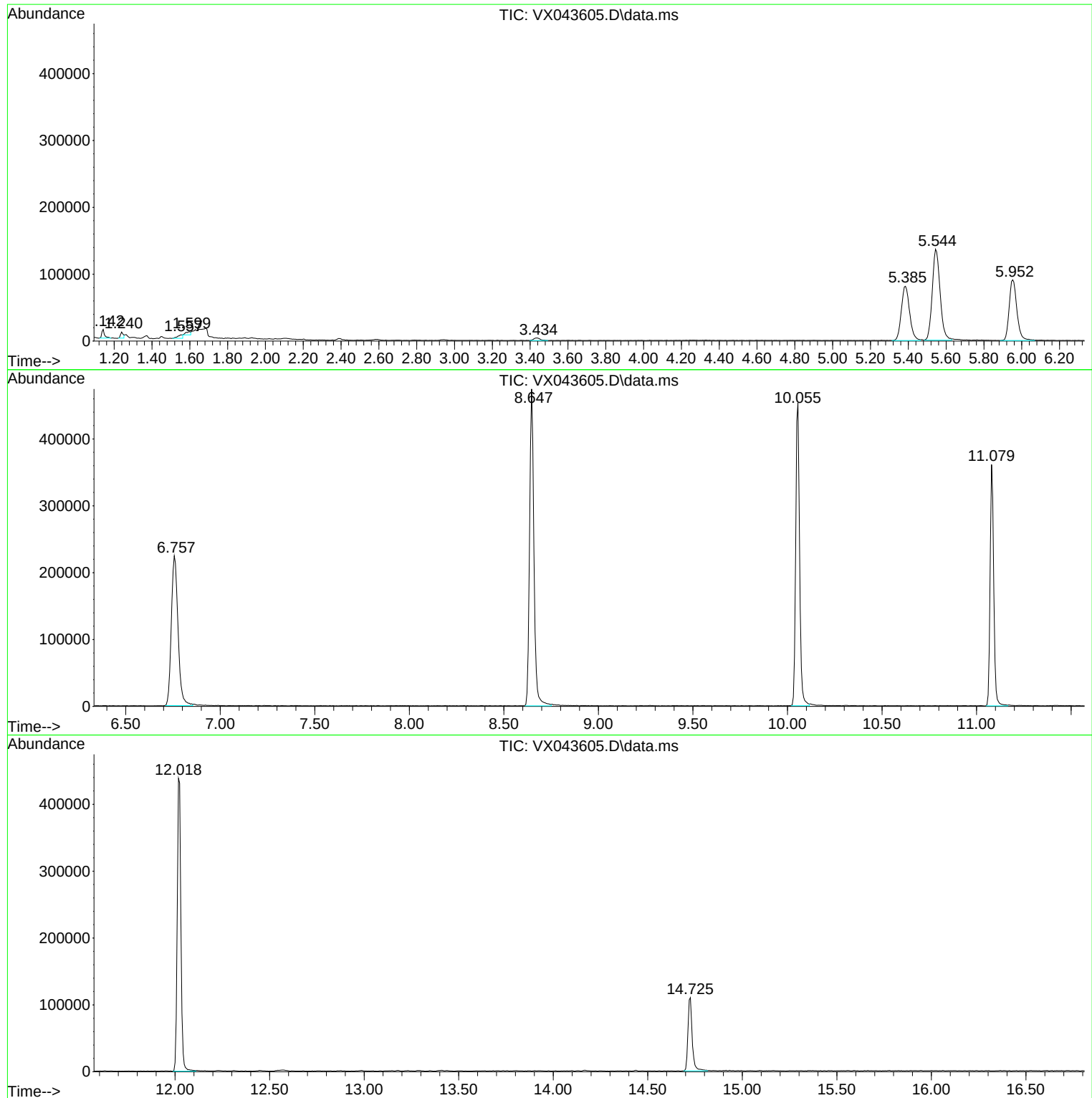
Sum of corrected areas: 4127851

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043605.D
Acq On : 29 Oct 2024 18:20
Operator : JC/MD
Sample : P4600-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043605.D
Acq On : 29 Oct 2024 18:20
Operator : JC/MD
Sample : P4600-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

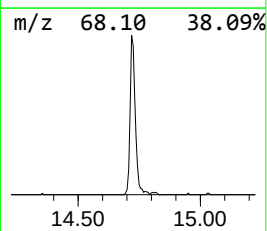
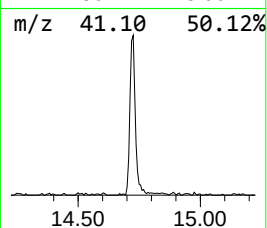
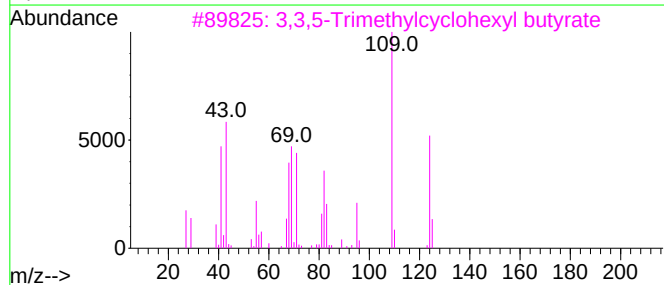
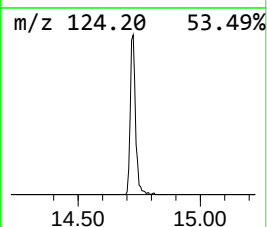
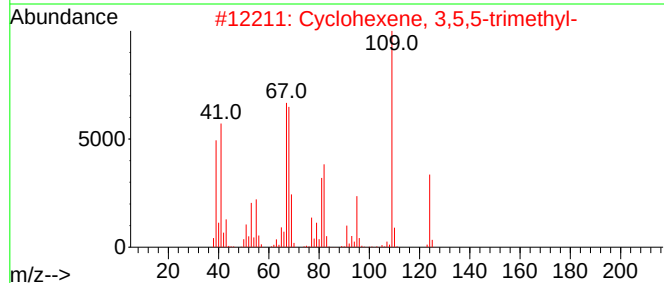
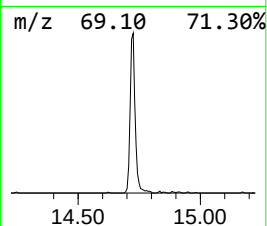
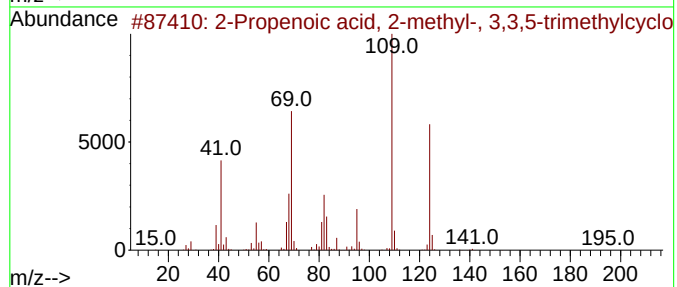
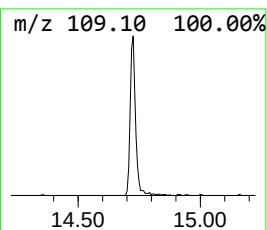
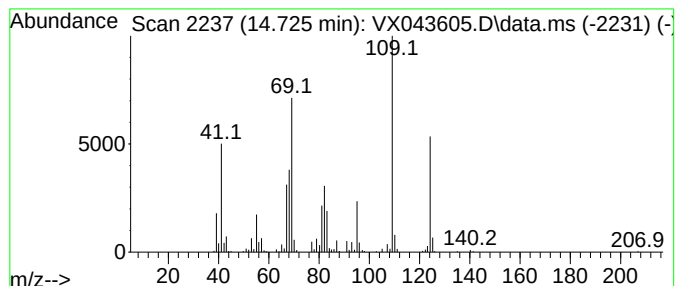
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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

Peak Number 1 2-Propenoic acid, 2-methyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	14.42 ug/l	169015	1,4-Dichlorobenzene-d4	12.024

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propenoic acid, 2-methyl-, 3,3...	210	C13H22O2	007779-31-9	91
2			Cyclohexene, 3,5,5-trimethyl-	124	C9H16	000933-12-0	83
3			3,3,5-Trimethylcyclohexyl butyrate	212	C13H24O2	1000430-81-6	78
4			Cyclohexanol, 3,3,5-trimethyl-, ...	184	C11H20O2	024691-16-5	78
5			Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043605.D
Acq On : 29 Oct 2024 18:20
Operator : JC/MD
Sample : P4600-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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
2-Propenoic aci...	14.725	14.4	ug/l	169015	4	12.024	585983	50.0



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600
 Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024
 Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX043556.D		RRF005 = VX043557.D		RRF020 = VX043558.D			
		RRF050 = VX043559.D		RRF100 = VX043560.D		RRF150 = VX043561.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Chloromethane	0.795	0.703	0.678	0.651	0.662	0.612	0.684	9.1	
Vinyl Chloride	0.626	0.674	0.638	0.634	0.643	0.591	0.634	4.2	
Bromomethane		0.267	0.246	0.262	0.260	0.258	0.259	2.9	
Chloroethane	0.263	0.215	0.212	0.225	0.217	0.210	0.223	9	
Trichlorofluoromethane	0.823	0.776	0.710	0.779	0.846	0.716	0.775	7.1	
1,1,2-Trichlorotrifluoroethane	0.522	0.546	0.522	0.525	0.539	0.491	0.524	3.7	
1,1-Dichloroethene	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.3	
Acetone	0.365	0.320	0.294	0.312	0.314	0.295	0.317	8.2	
Carbon Disulfide	1.067	0.974	1.007	1.134	1.310	1.227	1.120	11.6	
Methyl tert-butyl Ether	1.992	2.025	2.038	2.080	2.086	1.999	2.037	1.9	
Methylene Chloride	0.772	0.699	0.663	0.663	0.665	0.633	0.682	7.2	
trans-1,2-Dichloroethene	0.559	0.557	0.577	0.562	0.594	0.546	0.566	3	
1,1-Dichloroethane	1.103	1.105	1.103	1.109	1.135	1.048	1.101	2.6	
2-Butanone	0.427	0.462	0.457	0.483	0.484	0.459	0.462	4.5	
Carbon Tetrachloride	0.462	0.442	0.423	0.444	0.465	0.429	0.444	3.8	
cis-1,2-Dichloroethene	0.708	0.719	0.716	0.740	0.747	0.707	0.723	2.3	
Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.8	
1,1,1-Trichloroethane	0.939	0.949	0.978	0.986	1.020	0.939	0.969	3.3	
Methylcyclohexane	0.475	0.509	0.515	0.510	0.512	0.473	0.499	3.9	
Benzene	1.335	1.396	1.383	1.355	1.333	1.246	1.341	4	
1,2-Dichloroethane	0.455	0.488	0.500	0.495	0.489	0.466	0.482	3.6	
Trichloroethene	0.321	0.345	0.338	0.338	0.341	0.317	0.333	3.4	
1,2-Dichloropropane	0.327	0.339	0.325	0.338	0.333	0.320	0.330	2.2	
Bromodichloromethane	0.378	0.415	0.435	0.476	0.495	0.477	0.446	10	
4-Methyl-2-Pentanone	0.416	0.497	0.507	0.525	0.518	0.491	0.492	8	
Toluene	0.743	0.832	0.866	0.838	0.831	0.769	0.813	5.7	
t-1,3-Dichloropropene	0.421	0.424	0.485	0.509	0.526	0.510	0.479	9.6	
cis-1,3-Dichloropropene	0.393	0.495	0.535	0.543	0.560	0.536	0.510	12	
1,1,2-Trichloroethane	0.318	0.341	0.345	0.355	0.345	0.327	0.339	4.1	
2-Hexanone	0.333	0.369	0.380	0.400	0.392	0.368	0.374	6.3	

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600
 Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024
 Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX043556.D		RRF005 = VX043557.D		RRF020 = VX043558.D			
		RRF050 = VX043559.D		RRF100 = VX043560.D		RRF150 = VX043561.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dibromochloromethane	0.259	0.289	0.332	0.367	0.387	0.377	0.335	15.4	
Tetrachloroethene	0.337	0.323	0.327	0.309	0.308	0.284	0.314	5.8	
Chlorobenzene	1.098	1.110	1.083	1.075	1.081	1.007	1.076	3.3	
Ethyl Benzene	1.757	1.763	1.799	1.777	1.794	1.634	1.754	3.5	
m/p-Xylenes	0.625	0.680	0.708	0.691	0.691	0.629	0.671	5.2	
o-Xylene	0.616	0.698	0.698	0.689	0.698	0.645	0.674	5.2	
Styrene	1.007	1.055	1.174	1.183	1.189	1.114	1.120	6.8	
Bromoform	0.203	0.206	0.230	0.275	0.304	0.297	0.253	17.9	
Isopropylbenzene	3.522	3.684	3.705	3.560	3.549	3.230	3.542	4.8	
1,1,2,2-Tetrachloroethane	1.210	1.355	1.316	1.292	1.276	1.193	1.274	4.9	
1,3-Dichlorobenzene	1.645	1.695	1.647	1.646	1.654	1.548	1.639	3	
1,4-Dichlorobenzene	1.917	1.720	1.694	1.653	1.657	1.551	1.699	7.1	
1,2-Dichlorobenzene	1.638	1.735	1.698	1.726	1.675	1.586	1.676	3.4	
1,2-Dichloroethane-d4		0.902	0.794	0.785	0.771	0.735	0.797	7.9	
Dibromofluoromethane		0.358	0.337	0.336	0.342	0.323	0.339	3.7	
Toluene-d8		1.255	1.206	1.175	1.159	1.072	1.174	5.8	
4-Bromofluorobenzene		0.446	0.431	0.444	0.439	0.415	0.435	2.9	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X102824W.M
 Title : SW846 8260
 Last Update : Mon Oct 28 13:41:34 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX043556.D 5 =VX043557.D 20 =VX043558.D 50 =VX043559.D 100 =VX043560.D 150 =VX043561.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.589	0.553	0.552	0.506	0.522	0.485	0.535	7.04
3) P	Chloromethane	0.795	0.703	0.678	0.651	0.662	0.612	0.684	9.15
4) C	Vinyl Chloride	0.626	0.674	0.638	0.634	0.643	0.591	0.634	4.23#
5) T	Bromomethane		0.267	0.246	0.262	0.260	0.258	0.259	2.91
6) T	Chloroethane	0.263	0.215	0.212	0.225	0.217	0.210	0.223	8.96
7) T	Trichlorofluor...	0.823	0.776	0.710	0.779	0.846	0.716	0.775	7.10
8) T	Diethyl Ether	0.336	0.375	0.355	0.355	0.378	0.349	0.358	4.46
9) T	1,1,2-Trichlor...	0.522	0.546	0.522	0.525	0.539	0.491	0.524	3.67
10) T	Methyl Iodide		0.726	0.762	0.782	0.789	0.726	0.757	3.98
11) T	Tert butyl alc...		0.131	0.131	0.156	0.170	0.155	0.149	11.43
12) CM	1,1-Dichloroet...	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.27#
13) T	Acrolein		0.124	0.121	0.109	0.117	0.111	0.116	5.54
14) T	Allyl chloride	0.911	0.881	0.900	0.953	1.003	0.911	0.926	4.82
15) T	Acrylonitrile	0.302	0.335	0.331	0.348	0.360	0.340	0.336	5.75
16) T	Acetone	0.365	0.320	0.294	0.312	0.314	0.295	0.317	8.17
17) T	Carbon Disulfide	1.067	0.974	1.007	1.134	1.310	1.227	1.120	11.61
18) T	Methyl Acetate	0.970	0.926	0.880	0.926	0.945	0.904	0.925	3.37
19) T	Methyl tert-bu...	1.992	2.025	2.038	2.080	2.086	1.999	2.037	1.94
20) T	Methylene Chlo...	0.772	0.699	0.663	0.663	0.665	0.633	0.682	7.16
21) T	trans-1,2-Dich...	0.559	0.557	0.577	0.562	0.594	0.546	0.566	3.01
22) T	Diisopropyl ether	1.799	1.992	1.982	1.951	1.942	1.823	1.915	4.32
23) T	Vinyl Acetate	1.326	1.547	1.607	1.688	1.706	1.618	1.582	8.73
24) P	1,1-Dichloroet...	1.103	1.105	1.103	1.109	1.135	1.048	1.101	2.57
25) T	2-Butanone	0.427	0.462	0.457	0.483	0.484	0.459	0.462	4.54
26) T	2,2-Dichloropr...	0.928	0.914	0.901	0.889	0.925	0.848	0.901	3.33
27) T	cis-1,2-Dichlo...	0.708	0.719	0.716	0.740	0.747	0.707	0.723	2.33
28) T	Bromochloromet...	0.512	0.529	0.531	0.507	0.545	0.516	0.524	2.73
29) T	Tetrahydrofuran	0.281	0.305	0.299	0.310	0.312	0.295	0.300	3.78
30) C	Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.82#
31) T	Cyclohexane		0.860	0.885	0.839	0.857	0.768	0.842	5.26
32) T	1,1,1-Trichlor...	0.939	0.949	0.978	0.986	1.020	0.939	0.969	3.32
33) S	1,2-Dichloroet...		0.902	0.794	0.785	0.771	0.735	0.797	7.86
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.358	0.337	0.336	0.342	0.323	0.339	3.73
36) T	1,1-Dichloropr...	0.451	0.396	0.408	0.388	0.400	0.369	0.402	6.88
37) T	Ethyl Acetate	0.522	0.416	0.498	0.506	0.503	0.484	0.488	7.65
38) T	Carbon Tetrach...	0.462	0.442	0.423	0.444	0.465	0.429	0.444	3.83
39) T	Methylcyclohexane	0.475	0.509	0.515	0.510	0.512	0.473	0.499	3.88
40) TM	Benzene	1.335	1.396	1.383	1.355	1.333	1.246	1.341	3.97
41) T	Methacrylonitrile	0.260	0.221	0.260	0.271	0.270	0.256	0.256	7.12
42) TM	1,2-Dichloroet...	0.455	0.488	0.500	0.495	0.489	0.466	0.482	3.65
43) T	Isopropyl Acetate	0.744	0.809	0.795	0.836	0.845	0.814	0.807	4.45
44) TM	Trichloroethene	0.321	0.345	0.338	0.338	0.341	0.317	0.333	3.45
45) C	1,2-Dichloropr...	0.327	0.339	0.325	0.338	0.333	0.320	0.330	2.25#
46) T	Dibromomethane	0.230	0.264	0.258	0.260	0.262	0.252	0.254	4.93
47) T	Bromodichlorom...	0.378	0.415	0.435	0.476	0.495	0.477	0.446	10.03
48) T	Methyl methacr...	0.319	0.367	0.391	0.402	0.412	0.404	0.383	9.07
49) T	1,4-Dioxane	0.008	0.008	0.007	0.008	0.010	0.007	0.008	13.42
50) S	Toluene-d8		1.255	1.206	1.175	1.159	1.072	1.174	5.76
51) T	4-Methyl-2-Pen...	0.416	0.497	0.507	0.525	0.518	0.491	0.492	8.04
52) CM	Toluene	0.743	0.832	0.866	0.838	0.831	0.769	0.813	5.75#
53) T	t-1,3-Dichloro...	0.421	0.424	0.485	0.509	0.526	0.510	0.479	9.64
54) T	cis-1,3-Dichlo...	0.393	0.495	0.535	0.543	0.560	0.536	0.510	12.02
55) T	1,1,2-Trichlor...	0.318	0.341	0.345	0.355	0.345	0.327	0.339	4.05
56) T	Ethyl methacry...	0.473	0.522	0.561	0.590	0.588	0.566	0.550	8.19

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X102824W.M

57)	T	1,3-Dichloropr...	0.495	0.577	0.589	0.590	0.576	0.551	0.563	6.42
58)	T	2-Chloroethyl ...	0.232	0.257	0.287	0.268	0.279	0.275	0.266	7.34
59)	T	2-Hexanone	0.333	0.369	0.380	0.400	0.392	0.368	0.374	6.33
60)	T	Dibromochlorom...	0.259	0.289	0.332	0.367	0.387	0.377	0.335	15.42
61)	T	1,2-Dibromoethane	0.314	0.351	0.361	0.367	0.369	0.346	0.351	5.81
62)	S	4-Bromofluorob...	0.446	0.431	0.444	0.439	0.415	0.435		2.92
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.337	0.323	0.327	0.309	0.308	0.284	0.314	5.83
65)	PM	Chlorobenzene	1.098	1.110	1.082	1.075	1.081	1.007	1.076	3.34
66)	T	1,1,1,2-Tetrac...	0.301	0.345	0.350	0.372	0.381	0.359	0.351	8.05
67)	C	Ethyl Benzene	1.757	1.763	1.799	1.777	1.794	1.634	1.754	3.48#
68)	T	m/p-Xylenes	0.625	0.680	0.708	0.691	0.691	0.629	0.671	5.21
69)	T	o-Xylene	0.616	0.698	0.698	0.689	0.698	0.645	0.674	5.20
70)	T	Styrene	1.007	1.055	1.174	1.183	1.189	1.114	1.120	6.75
71)	P	Bromoform	0.203	0.206	0.230	0.275	0.304	0.297	0.253	17.91
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.522	3.684	3.705	3.560	3.549	3.230	3.542	4.80
74)	T	N-amyl acetate	1.647	1.710	1.736	1.773	1.779	1.708	1.725	2.83
75)	P	1,1,2,2-Tetrac...	1.210	1.355	1.316	1.292	1.276	1.193	1.274	4.86
76)	T	1,2,3-Trichlor...	0.928	1.210	1.166	1.071	1.043	0.996	1.069	9.83
77)	T	Bromobenzene	0.922	0.945	0.926	0.925	0.922	0.847	0.915	3.74
78)	T	n-propylbenzene	3.678	3.819	4.066	3.986	3.987	3.635	3.862	4.63
79)	T	2-Chlorotoluene	2.723	2.677	2.652	2.517	2.499	2.296	2.561	6.15
80)	T	1,3,5-Trimethy...	2.761	3.105	3.117	3.038	2.984	2.714	2.953	5.91
81)	T	trans-1,4-Dich...	0.290	0.356	0.418	0.447	0.432	0.389		16.71
82)	T	4-Chlorotoluene	2.951	2.921	2.942	2.892	2.887	2.652	2.874	3.88
83)	T	tert-Butylbenzene	2.885	3.100	3.149	3.041	3.068	2.777	3.003	4.73
84)	T	1,2,4-Trimethy...	2.780	3.111	3.187	3.099	3.051	2.829	3.010	5.50
85)	T	sec-Butylbenzene	3.295	3.559	3.718	3.642	3.604	3.304	3.520	5.09
86)	T	p-Isopropyltol...	2.741	2.984	3.123	3.121	3.138	2.847	2.992	5.58
87)	T	1,3-Dichlorobe...	1.645	1.695	1.647	1.646	1.654	1.548	1.639	2.97
88)	T	1,4-Dichlorobe...	1.917	1.720	1.694	1.653	1.657	1.551	1.699	7.14
89)	T	n-Butylbenzene	2.117	2.230	2.516	2.614	2.687	2.467	2.438	9.10
90)	T	Hexachloroethane	0.408	0.421	0.476	0.519	0.560	0.533	0.486	12.77
91)	T	1,2-Dichlorobe...	1.638	1.735	1.697	1.726	1.675	1.586	1.676	3.38
92)	T	1,2-Dibromo-3-...	0.229	0.220	0.256	0.281	0.291	0.281	0.260	11.53
93)	T	1,2,4-Trichlor...	0.865	1.008	0.999	1.080	1.099	1.052	1.017	8.27
94)	T	Hexachlorobuta...	0.392	0.367	0.378	0.373	0.391	0.351	0.375	4.13
95)	T	Naphthalene	3.249	3.742	4.006	4.126	4.229	4.007	3.893	9.12
96)	T	1,2,3-Trichlor...	0.976	1.057	1.077	1.101	1.146	1.080	1.073	5.25

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043556.D
 Acq On : 28 Oct 2024 10:59
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
 Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	161665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	295688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113521	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	1906	1.058	ug/l	96
3) Chloromethane	1.294	50	2572	1.119	ug/l	94
4) Vinyl Chloride	1.374	62	2023	0.966	ug/l #	85
6) Chloroethane	1.666	64	850	1.240	ug/l	90
7) Trichlorofluoromethane	1.861	101	2660	0.968	ug/l	95
8) Diethyl Ether	2.136	74	1086	0.905	ug/l	62
9) 1,1,2-Trichlorotrifluo...	2.313	101	1687	0.972	ug/l	97
12) 1,1-Dichloroethene	2.300	96	1723	1.010	ug/l #	80
14) Allyl chloride	2.654	41	2945	0.973	ug/l	98
15) Acrylonitrile	3.081	53	4889	4.029	ug/l	96
16) Acetone	2.392	43	5896	5.386	ug/l	98
17) Carbon Disulfide	2.495	76	3450	0.977	ug/l	95
18) Methyl Acetate	2.709	43	3137	0.954	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	6442	0.971	ug/l	99
20) Methylene Chloride	2.788	84	2497	1.167	ug/l	84
21) trans-1,2-Dichloroethene	3.087	96	1808	0.979	ug/l	88
22) Diisopropyl ether	3.776	45	5818	0.931	ug/l	97
23) Vinyl Acetate	3.727	43	21436	4.154	ug/l	98
24) 1,1-Dichloroethane	3.599	63	3565	1.012	ug/l #	91
25) 2-Butanone	4.593	43	6900	4.150	ug/l	100
26) 2,2-Dichloropropane	4.465	77	3002	1.182	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	2288	0.994	ug/l	95
28) Bromochloromethane	4.897	49	1656	0.950	ug/l #	68
29) Tetrahydrofuran	5.032	42	4543	4.185	ug/l #	84
30) Chloroform	5.093	83	3785	1.005	ug/l #	81
32) 1,1,1-Trichloroethane	5.373	97	3037	0.959	ug/l #	48
36) 1,1-Dichloropropene	5.702	75	2670	1.146	ug/l	91
37) Ethyl Acetate	4.757	43	3086m	0.970	ug/l	
38) Carbon Tetrachloride	5.660	117	2731	1.031	ug/l	98
39) Methylcyclohexane	7.379	83	2811	0.941	ug/l #	87
40) Benzene	6.050	78	7896	1.014	ug/l	97
41) Methacrylonitrile	4.995	41	1539m	0.962	ug/l	
42) 1,2-Dichloroethane	6.098	62	2692	0.939	ug/l	95
43) Isopropyl Acetate	6.367	43	4398	0.874	ug/l	96
44) Trichloroethene	7.135	130	1898	1.028	ug/l	70
45) 1,2-Dichloropropane	7.428	63	1935	1.017	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043556.D
 Acq On : 28 Oct 2024 10:59
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
 Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	1360	0.931	ug/l	88
47) Bromodichloromethane	7.824	83	2234	0.862	ug/l #	95
48) Methyl methacrylate	7.708	41	1889	0.804	ug/l #	84
49) 1,4-Dioxane	7.696	88	959	15.892	ug/l #	91
51) 4-Methyl-2-Pentanone	8.580	43	12287	3.855	ug/l	97
52) Toluene	8.720	92	4396	0.915	ug/l	96
53) t-1,3-Dichloropropene	8.988	75	2487	0.948	ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	2324	0.807	ug/l #	87
55) 1,1,2-Trichloroethane	9.159	97	1879	0.927	ug/l #	85
56) Ethyl methacrylate	9.128	69	2799	0.855	ug/l	92
57) 1,3-Dichloropropane	9.311	76	2929	0.875	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	6868	4.263	ug/l	93
59) 2-Hexanone	9.445	43	9840	4.082	ug/l	93
60) Dibromochloromethane	9.519	129	1531	0.807	ug/l	92
61) 1,2-Dibromoethane	9.616	107	1856	0.908	ug/l	98
64) Tetrachloroethene	9.275	164	1707	1.075	ug/l #	82
65) Chlorobenzene	10.079	112	5570	1.056	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	1525	0.856	ug/l #	60
67) Ethyl Benzene	10.195	91	8911	1.015	ug/l	95
68) m/p-Xylenes	10.305	106	6344	1.908	ug/l	96
69) o-Xylene	10.640	106	3125	0.914	ug/l	91
70) Styrene	10.659	104	5108	0.923	ug/l	95
71) Bromoform	10.805	173	1032	0.859	ug/l #	94
73) Isopropylbenzene	10.963	105	7996	0.985	ug/l	100
74) N-amyl acetate	10.848	43	3739	0.915	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	2747	0.884	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	2108m	0.799	ug/l	
77) Bromobenzene	11.201	156	2093	1.010	ug/l	98
78) n-propylbenzene	11.305	91	8350	0.966	ug/l	98
79) 2-Chlorotoluene	11.366	91	6183	1.066	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	6268	0.930	ug/l	98
82) 4-Chlorotoluene	11.457	91	6699	1.043	ug/l	95
83) tert-Butylbenzene	11.713	119	6551	0.953	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	6312	0.916	ug/l	95
85) sec-Butylbenzene	11.890	105	7481	0.940	ug/l	99
86) p-Isopropyltoluene	12.012	119	6224	0.944	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	3734	1.005	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	4352m	1.162	ug/l	
89) n-Butylbenzene	12.335	91	4807	0.899	ug/l	93
90) Hexachloroethane	12.530	117	926	0.868	ug/l	82
91) 1,2-Dichlorobenzene	12.335	146	3719	0.970	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	519	0.785	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	1965	0.876	ug/l	96
94) Hexachlorobutadiene	13.725	225	889	1.119	ug/l	86
95) Naphthalene	13.780	128	7377	0.801	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	2215	0.943	ug/l	96

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

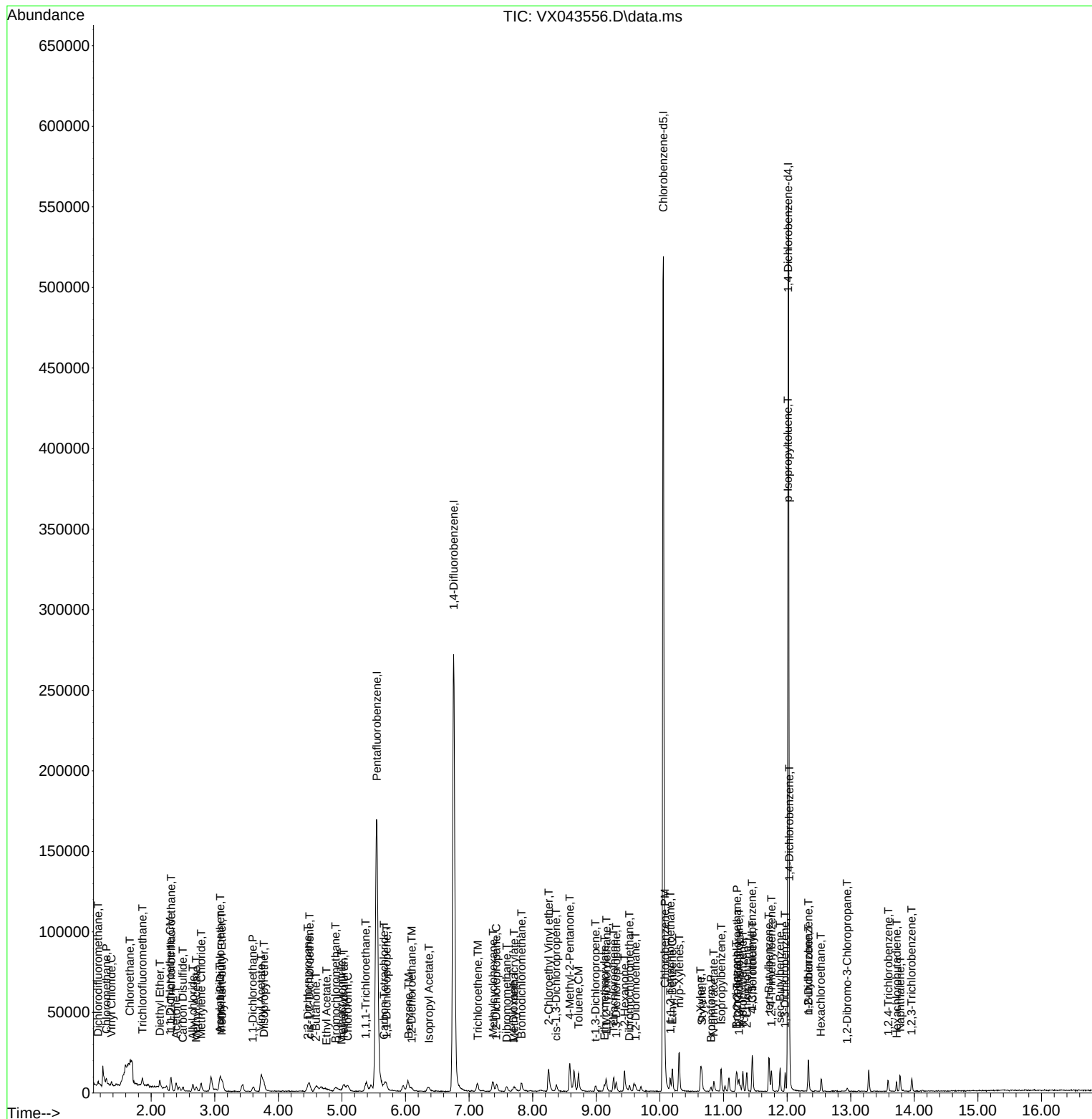
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Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

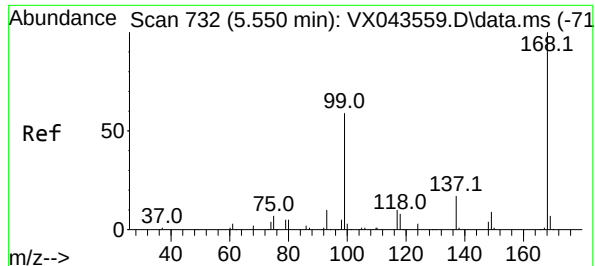
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

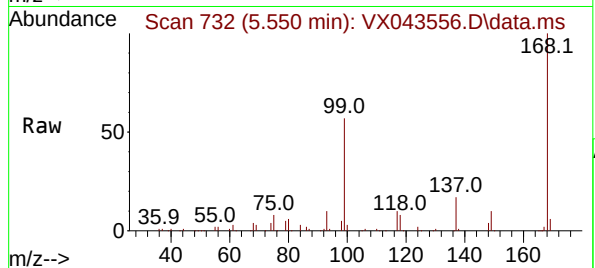
Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

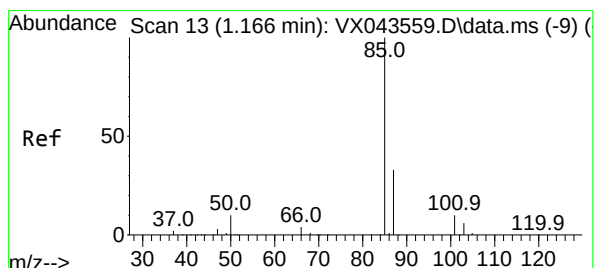
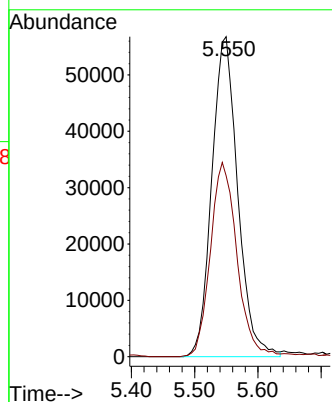
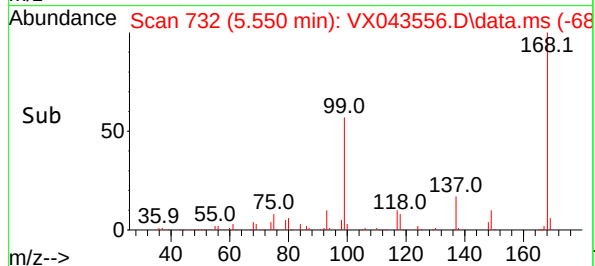
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:168 Resp: 16166
Ion Ratio Lower Upper
168 100
99 56.5 52.6 78.8

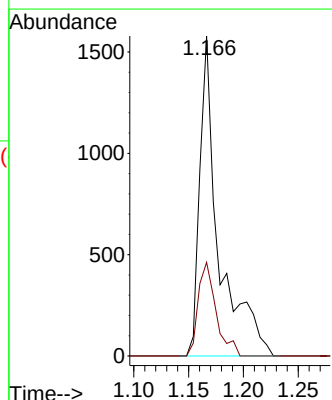
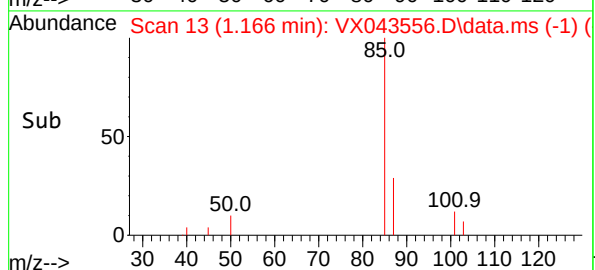
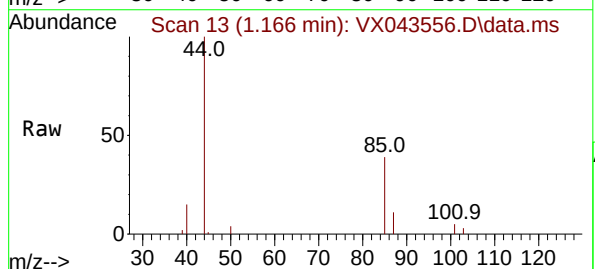
Manual Integrations
APPROVED

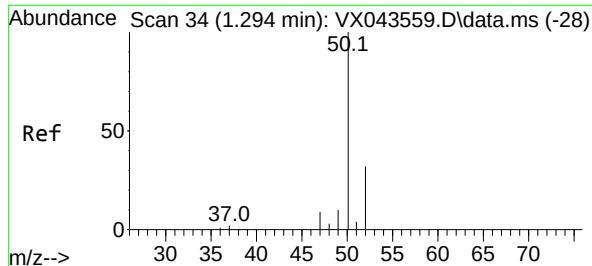
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#2
Dichlorodifluoromethane
Concen: 1.058 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 85 Resp: 1906
Ion Ratio Lower Upper
85 100
87 29.3 15.7 47.0





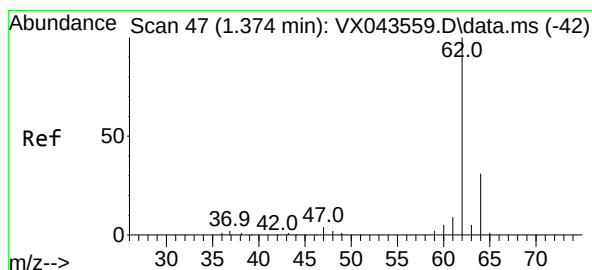
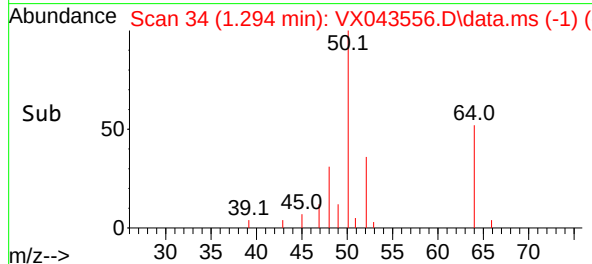
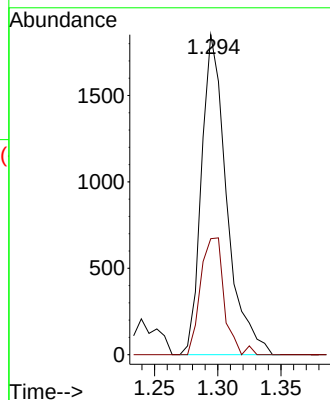
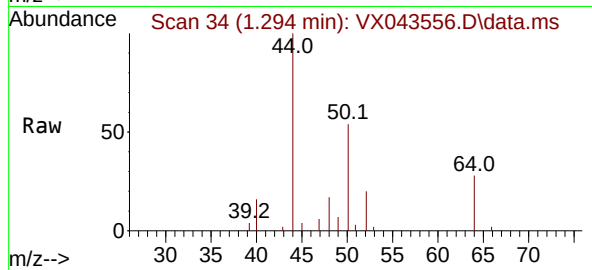
#3
Chloromethane
Concen: 1.119 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2572
Ion Ratio Lower Upper
50 100
52 36.2 26.3 39.5

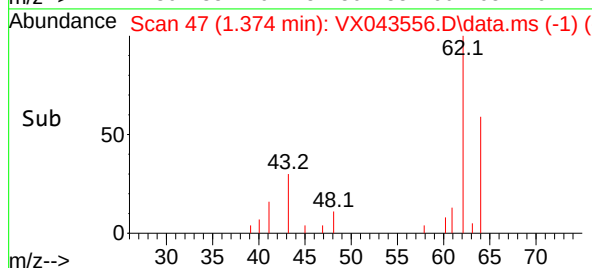
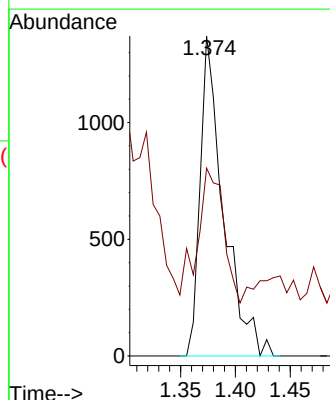
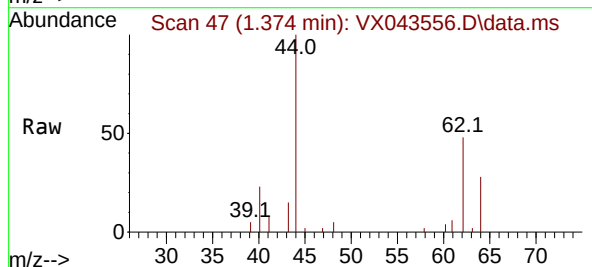
Manual Integrations
APPROVED

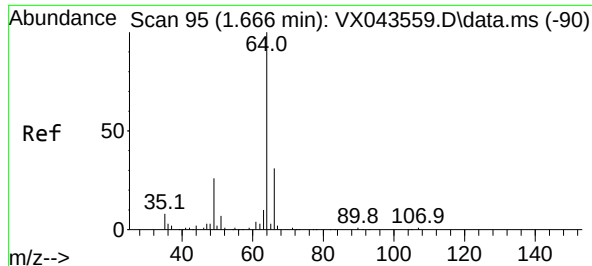
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#4
Vinyl Chloride
Concen: 0.966 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 62 Resp: 2023
Ion Ratio Lower Upper
62 100
64 39.7 25.0 37.4#





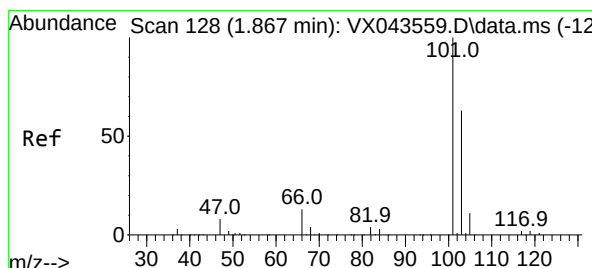
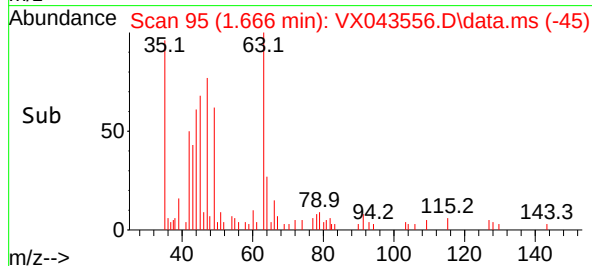
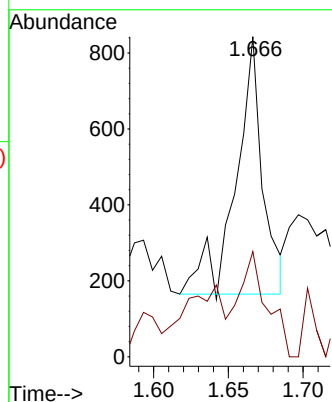
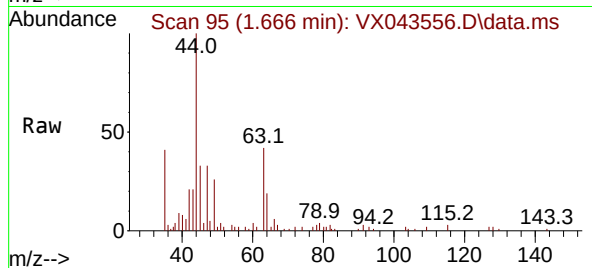
#6
Chloroethane
Concen: 1.240 ug/l
RT: 1.666 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 850
Ion Ratio Lower Upper
64 100
66 26.0 25.1 37.7

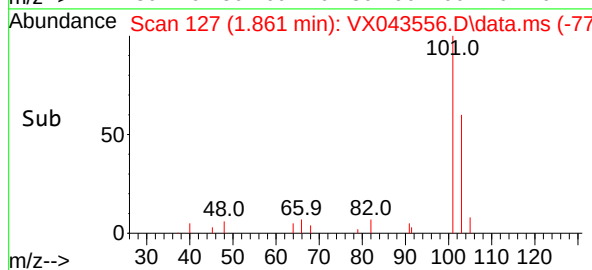
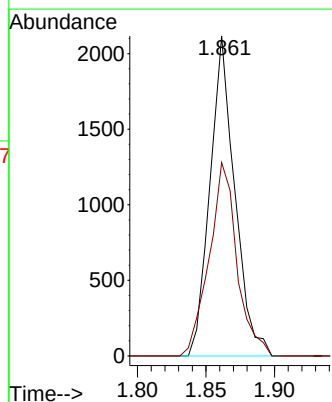
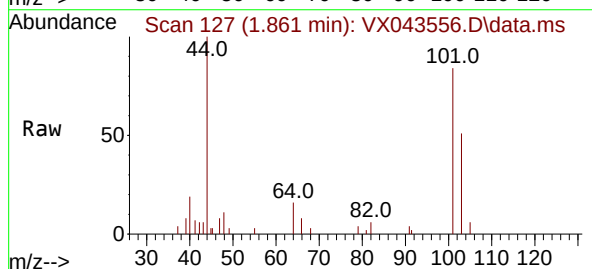
Manual Integrations
APPROVED

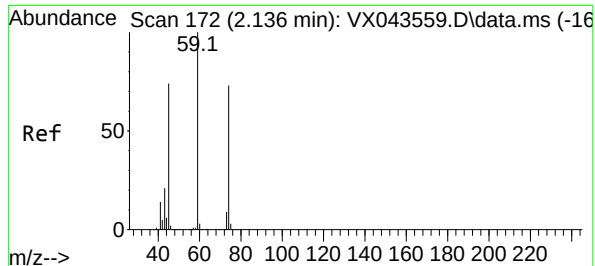
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#7
Trichlorofluoromethane
Concen: 0.968 ug/l
RT: 1.861 min Scan# 127
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

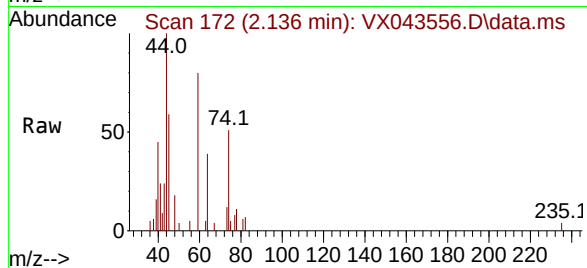
Tgt Ion:101 Resp: 2660
Ion Ratio Lower Upper
101 100
103 60.5 51.3 76.9





#8
Diethyl Ether
Concen: 0.905 ug/l
RT: 2.136 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

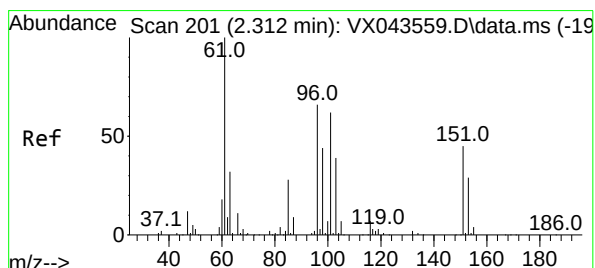
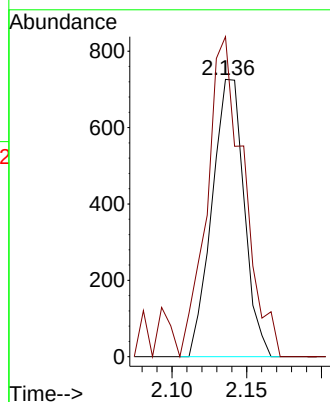
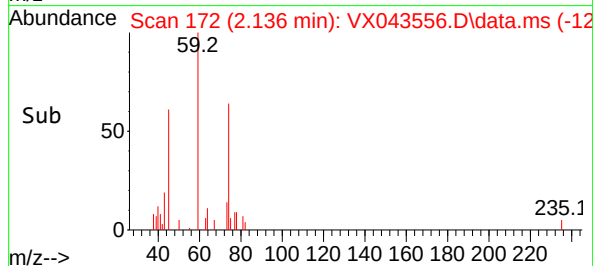
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



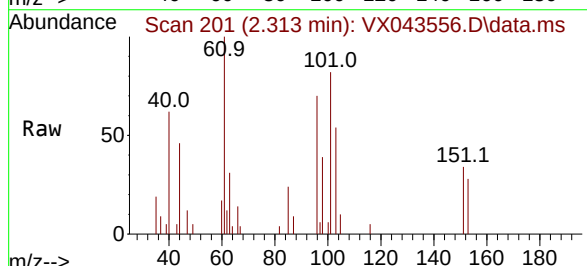
Tgt Ion: 74 Resp: 1086
Ion Ratio Lower Upper
74 100
45 131.6 47.5 142.5

Manual Integrations
APPROVED

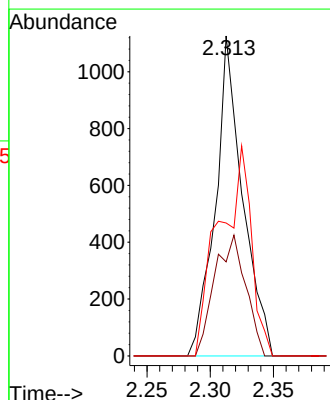
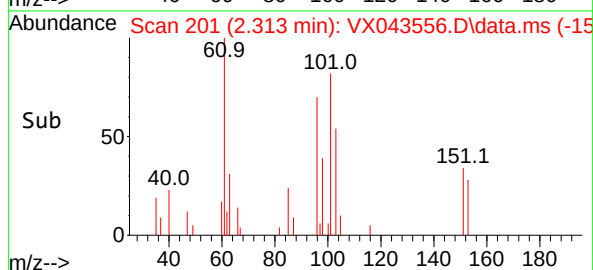
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

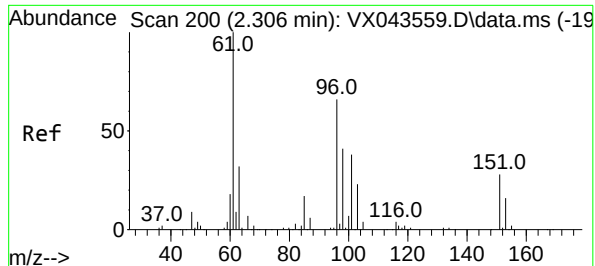


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.972 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59



Tgt Ion:101 Resp: 1687
Ion Ratio Lower Upper
101 100
85 43.2 34.5 51.7
151 76.9 58.2 87.2





#12

1,1-Dichloroethene

Concen: 1.010 ug/l

RT: 2.300 min Scan# 199

Delta R.T. 0.000 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

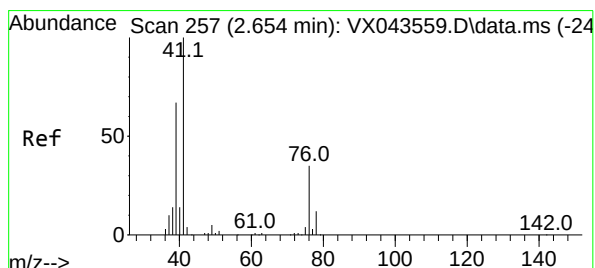
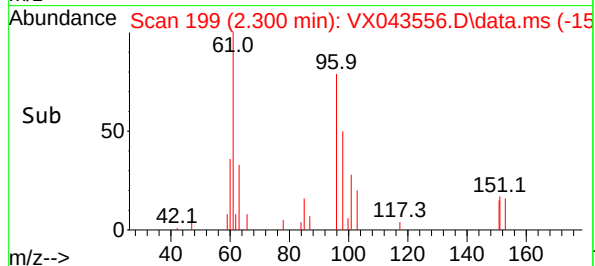
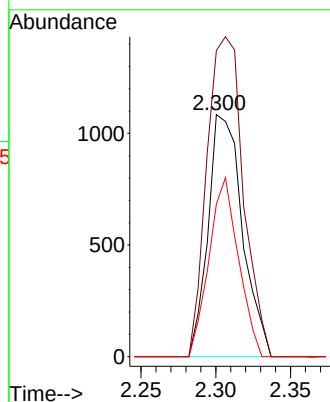
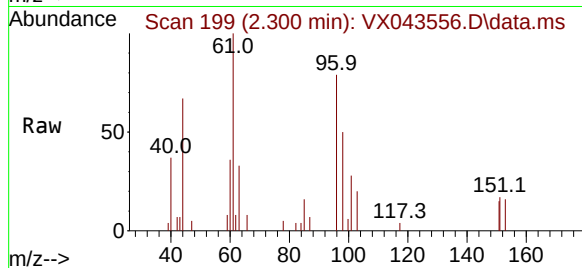
VSTDIC001

Tgt Ion:	96	Resp:	172
Ion	Ratio	Lower	Upper
96	100		
61	126.5	130.2	195.4
98	63.0	51.0	76.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#14

Allyl chloride

Concen: 0.973 ug/l

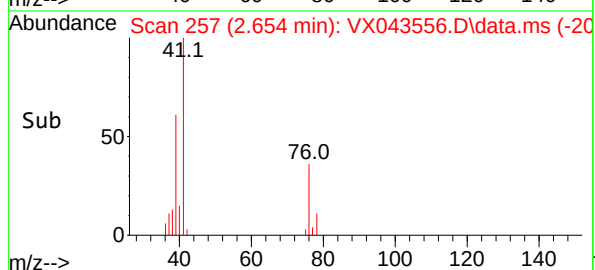
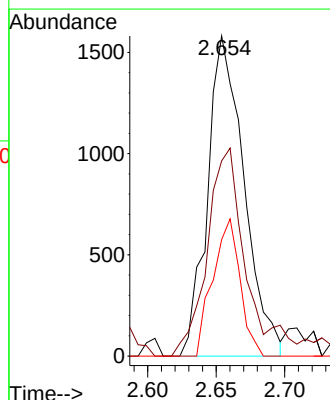
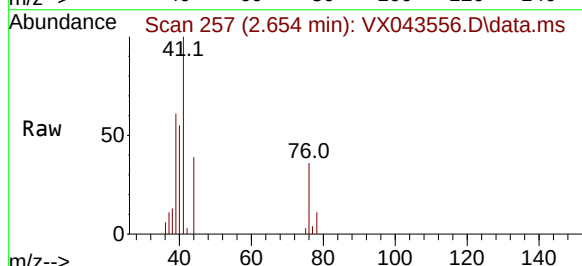
RT: 2.654 min Scan# 257

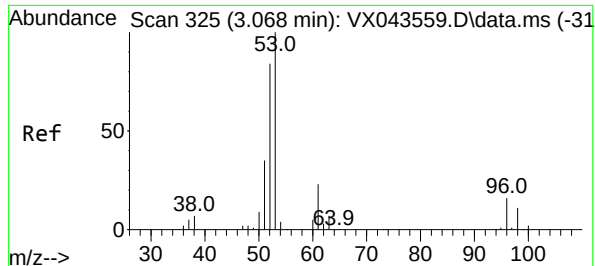
Delta R.T. 0.000 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Tgt Ion:	41	Resp:	2945
Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.2	79.8
76	31.9	27.0	40.6





#15

Acrylonitrile

Concen: 4.029 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

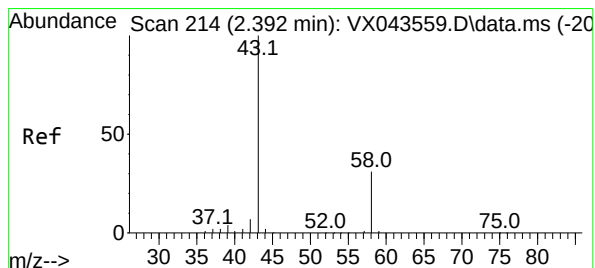
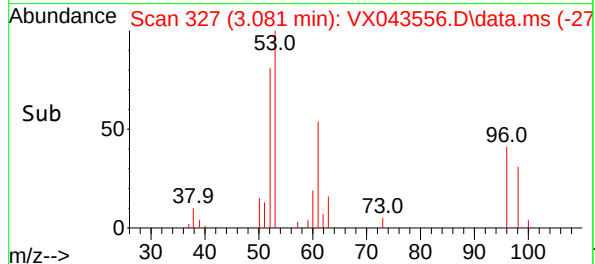
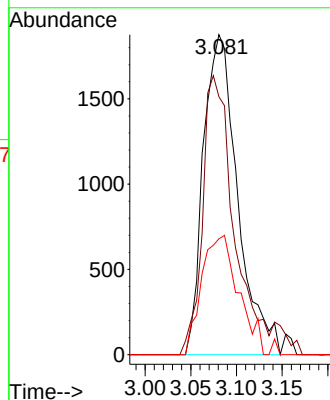
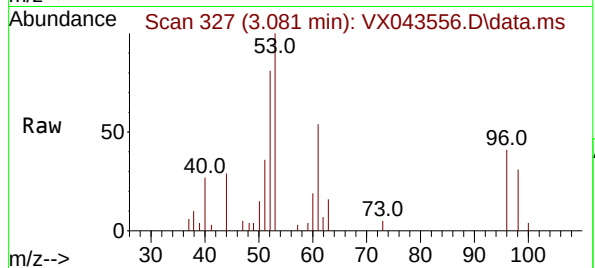
VSTDIC001

Tgt Ion: 53	Resp: 4889
Ion Ratio	Lower Upper
53	100
52	79.5 65.8 98.6
51	40.1 28.5 42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#16

Acetone

Concen: 5.386 ug/l

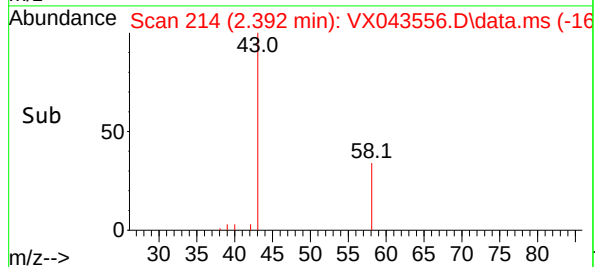
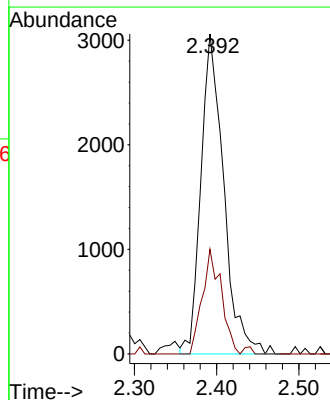
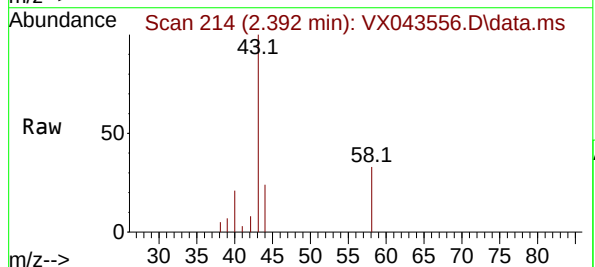
RT: 2.392 min Scan# 214

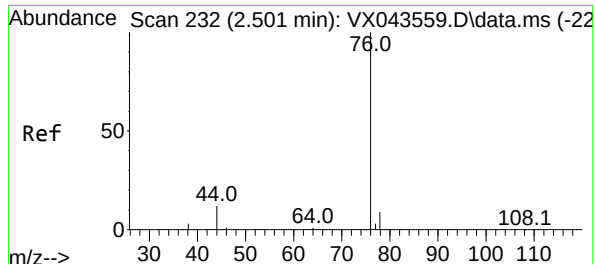
Delta R.T. -0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Tgt Ion: 43	Resp: 5896
Ion Ratio	Lower Upper
43	100
58	32.7 25.1 37.7





#17

Carbon Disulfide

Concen: 0.977 ug/l

RT: 2.495 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 3450

Ion Ratio Lower Upper

76 100

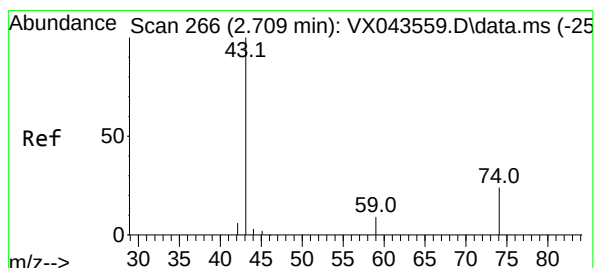
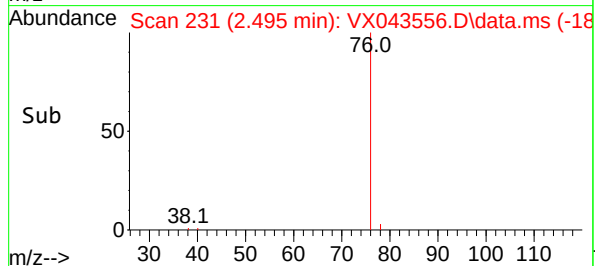
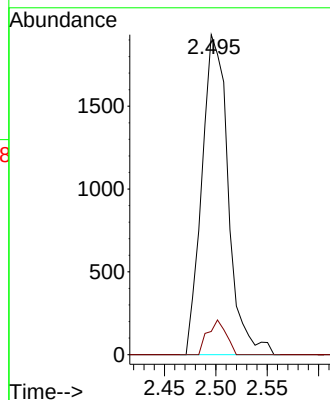
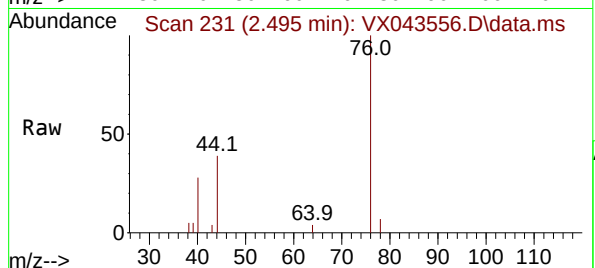
78 7.2 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#18

Methyl Acetate

Concen: 0.954 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX043556.D

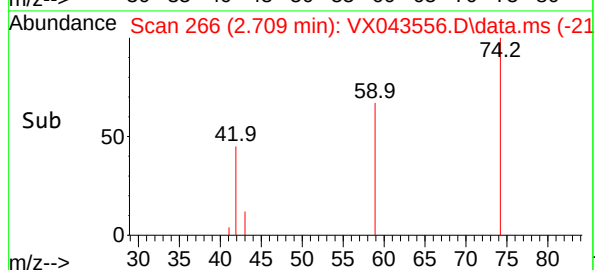
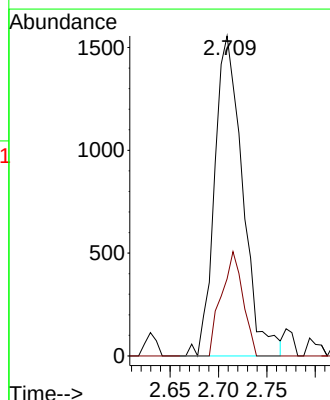
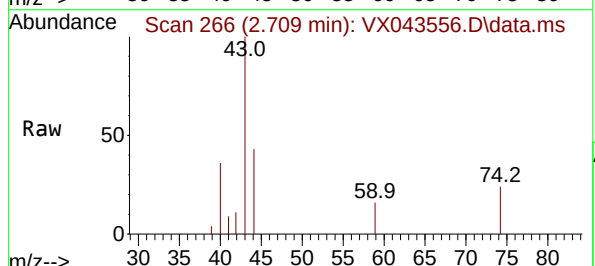
Acq: 28 Oct 2024 10:59

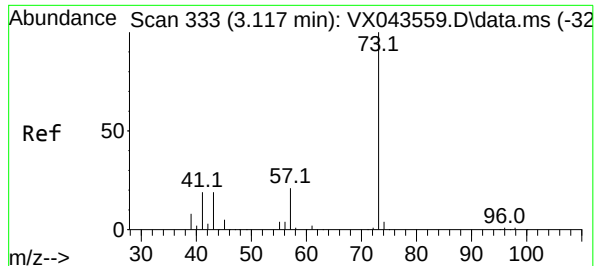
Tgt Ion: 43 Resp: 3137

Ion Ratio Lower Upper

43 100

74 25.0 19.1 28.7





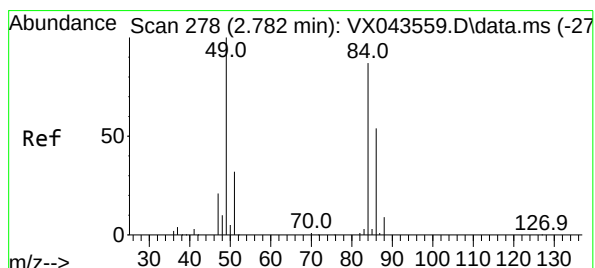
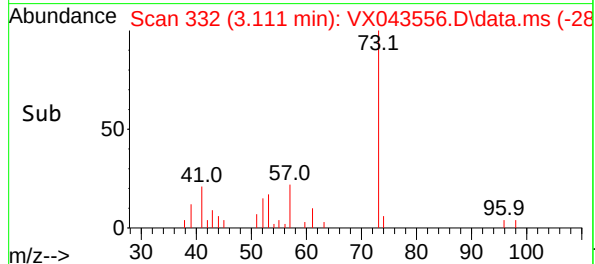
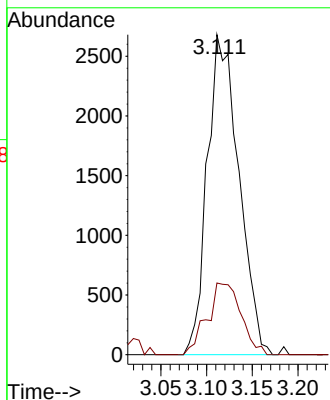
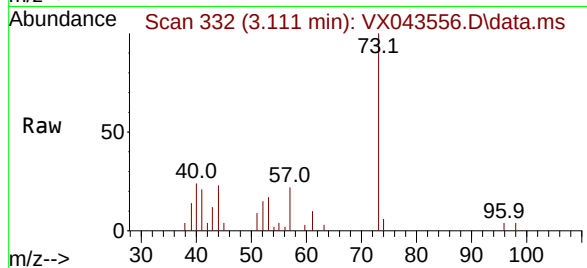
#19
Methyl tert-butyl Ether
Concen: 0.971 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 73 Resp: 644
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5

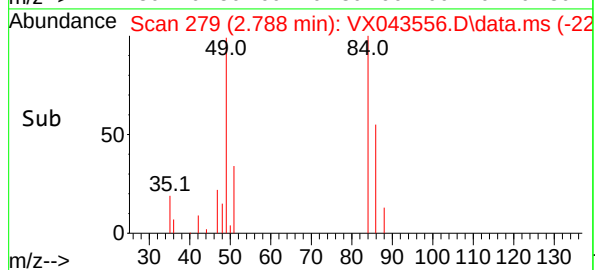
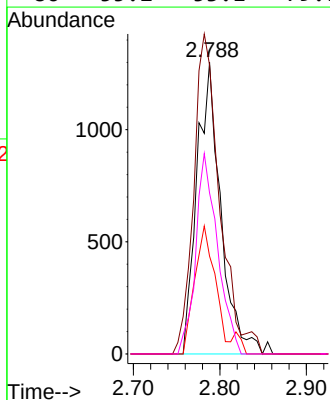
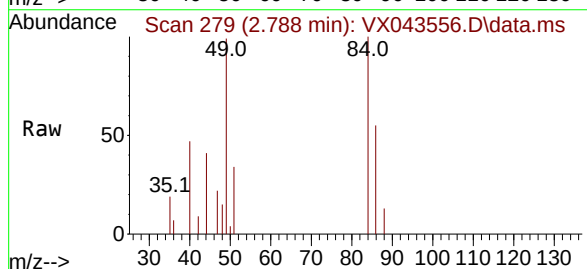
Manual Integrations
APPROVED

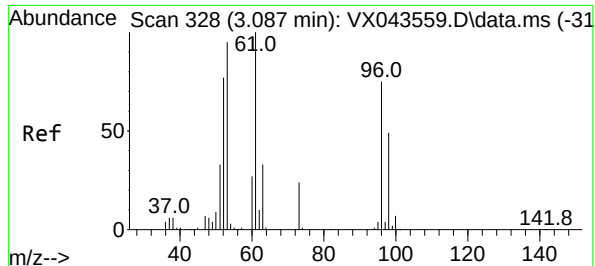
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#20
Methylene Chloride
Concen: 1.167 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 84 Resp: 2497
Ion Ratio Lower Upper
84 100
49 99.0 97.0 145.6
51 33.5 29.8 44.8
86 55.2 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 0.979 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 96 Resp: 1808

Ion Ratio Lower Upper

96 100

61 116.3 107.1 160.7

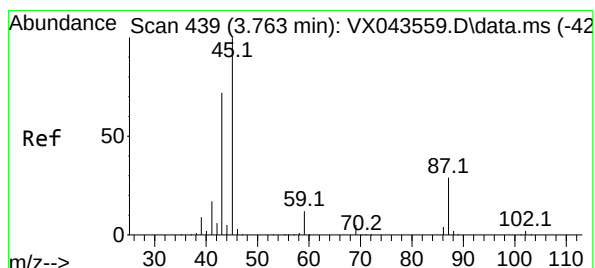
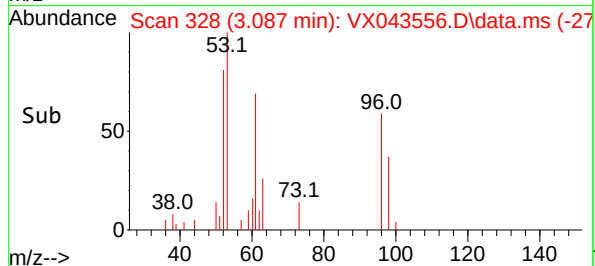
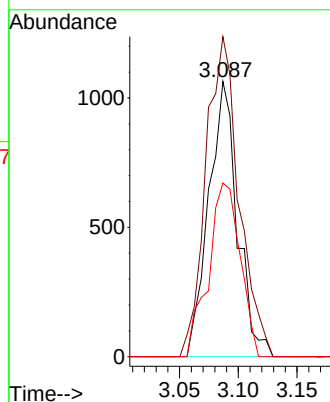
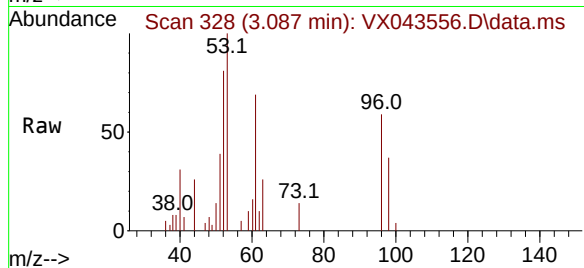
98 63.2 47.7 71.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#22

Diisopropyl ether

Concen: 0.931 ug/l

RT: 3.776 min Scan# 441

Delta R.T. 0.012 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Tgt Ion: 45 Resp: 5818

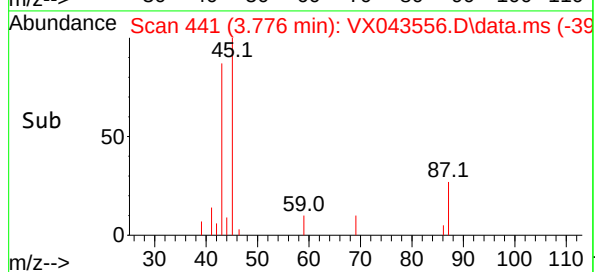
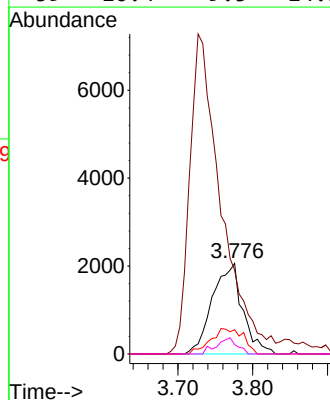
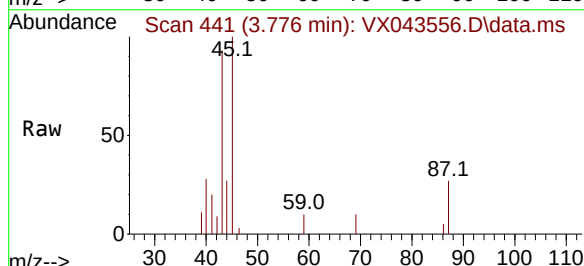
Ion Ratio Lower Upper

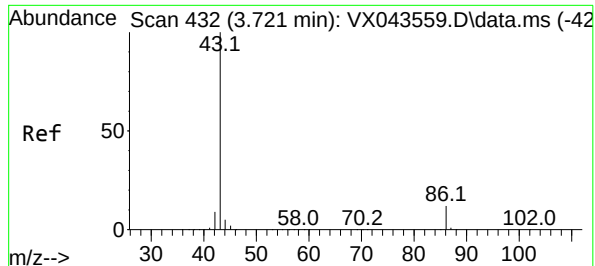
45 100

43 79.2 60.6 90.8

87 26.9 22.0 33.0

59 10.4 9.5 14.3





#23

Vinyl Acetate

Concen: 4.154 ug/l

RT: 3.727 min Scan# 412

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 21436

Ion Ratio Lower Upper

43

100

86

10.4

9.0

13.4

Instrument :

MSVOA_X

ClientSampleId :

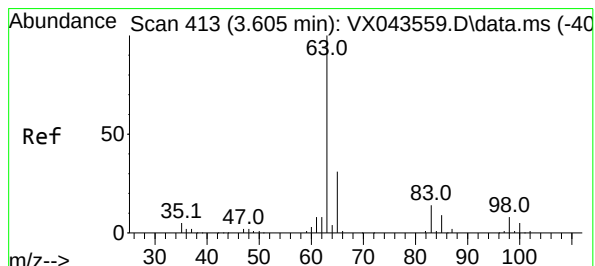
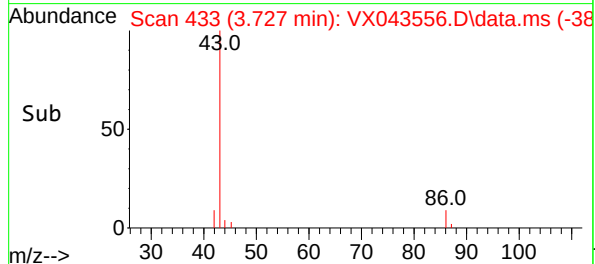
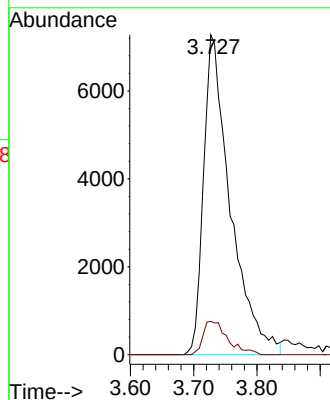
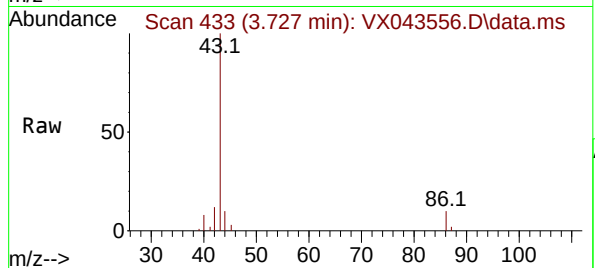
VSTDICC001

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#24

1,1-Dichloroethane

Concen: 1.012 ug/l

RT: 3.599 min Scan# 412

Delta R.T. 0.000 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Tgt Ion: 63 Resp: 3565

Ion Ratio Lower Upper

63

100

98

11.9

3.5

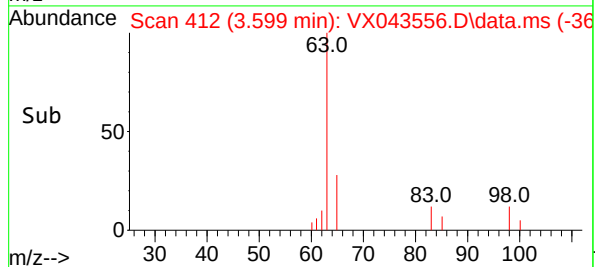
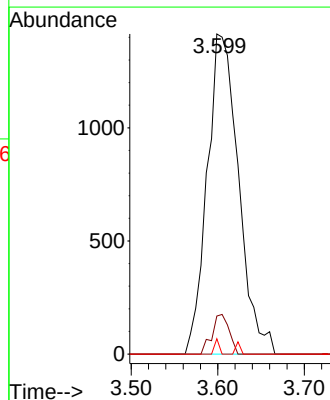
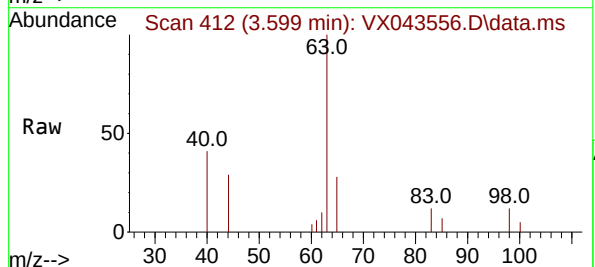
10.4

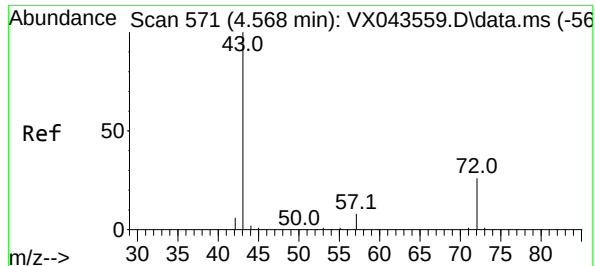
100

4.8

2.4

7.2





#25

2-Butanone

Concen: 4.150 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 6900

Ion Ratio Lower Upper

43 100

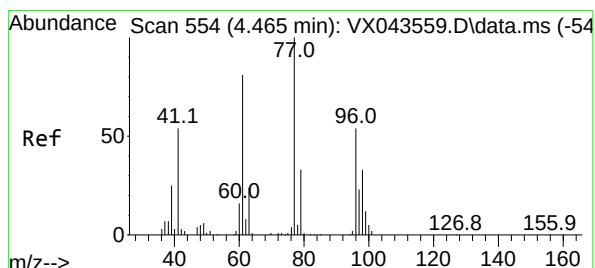
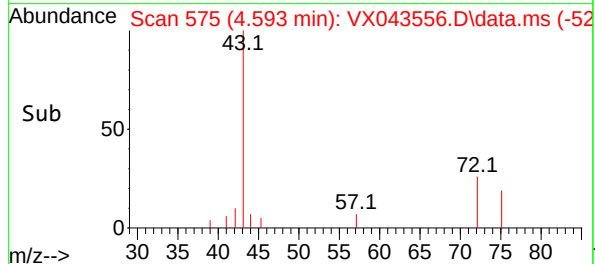
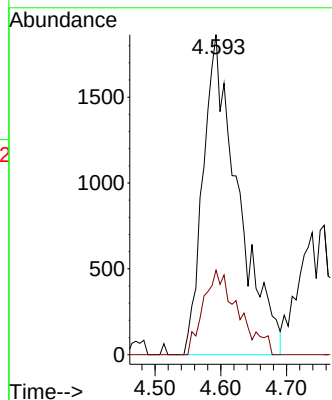
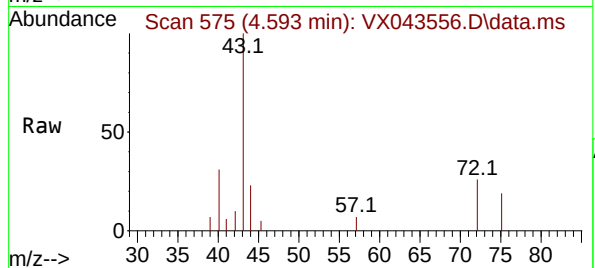
72 26.4 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#26

2,2-Dichloropropane

Concen: 1.182 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX043556.D

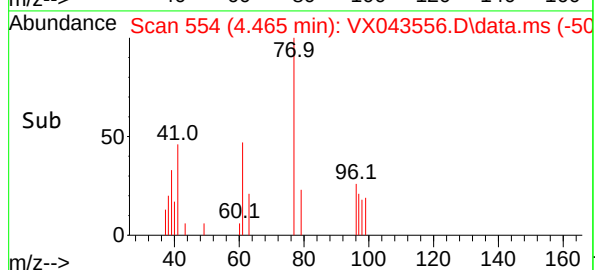
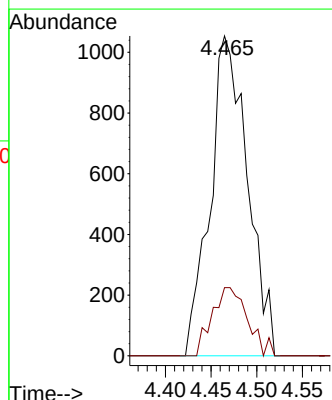
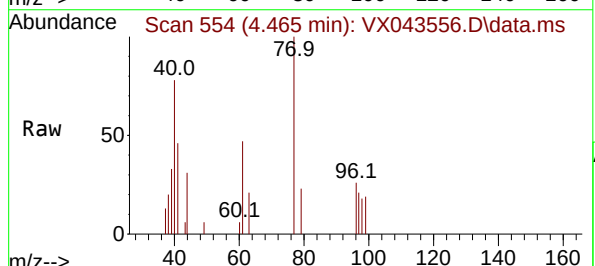
Acq: 28 Oct 2024 10:59

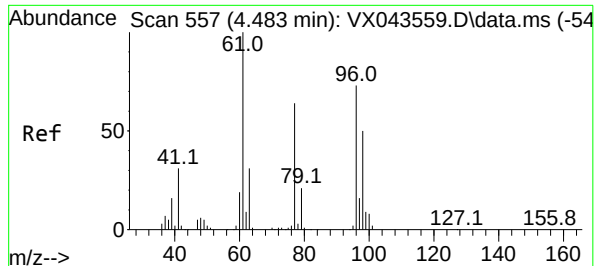
Tgt Ion: 77 Resp: 3002

Ion Ratio Lower Upper

77 100

97 20.3 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 0.994 ug/l

RT: 4.489 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 228

Ion Ratio Lower Upper

96 100

61 134.4 0.0 277.2

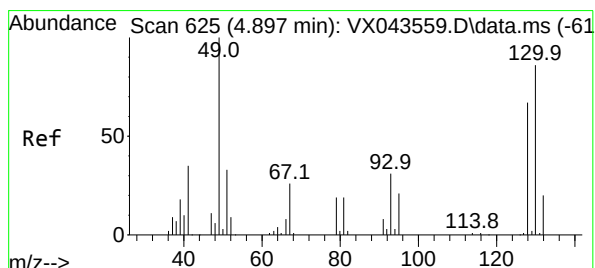
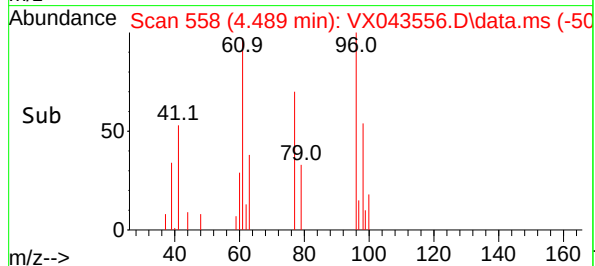
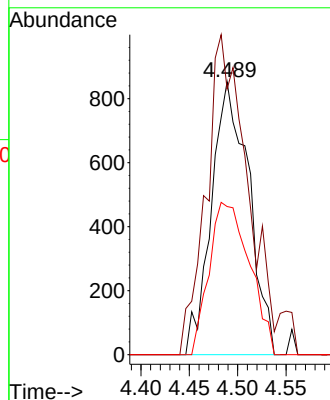
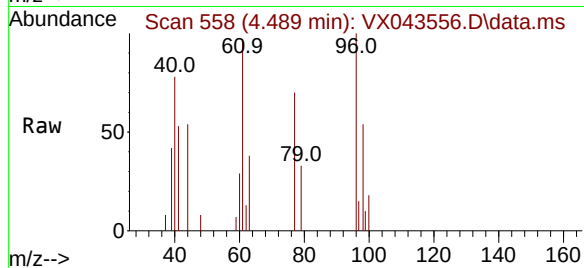
98 60.4 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#28

Bromochloromethane

Concen: 0.950 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.000 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

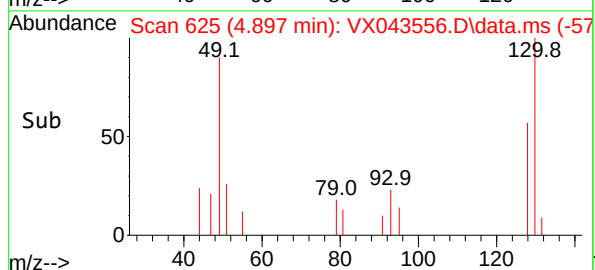
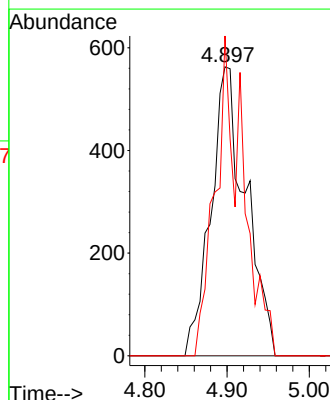
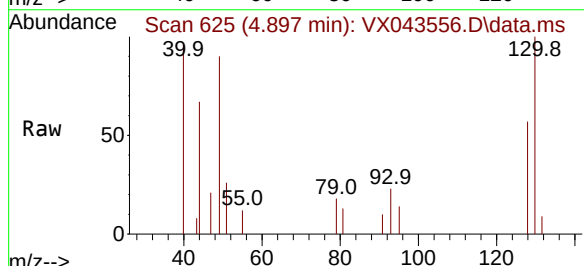
Tgt Ion: 49 Resp: 1656

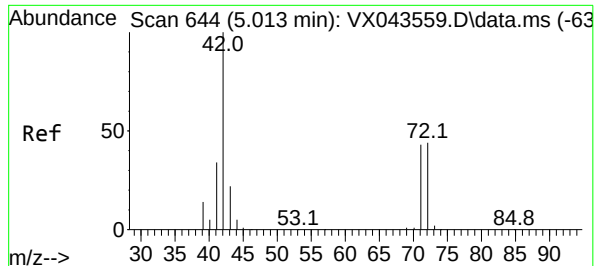
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 55.0 67.8 101.8#





#29

Tetrahydrofuran

Concen: 4.185 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

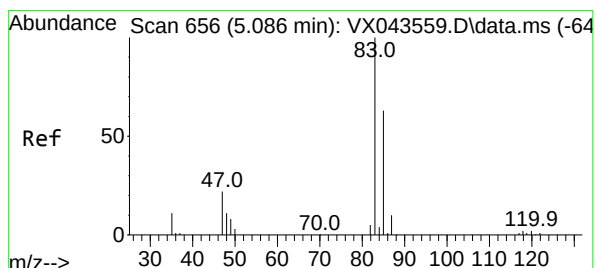
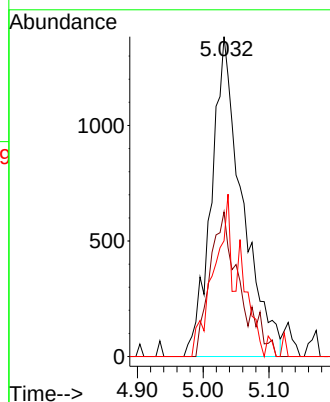
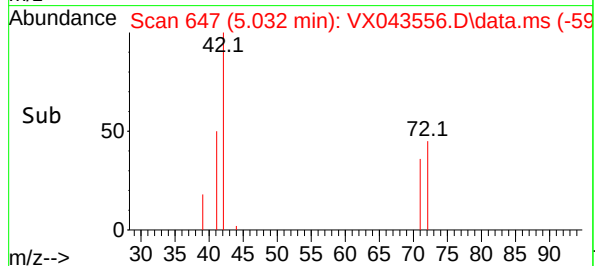
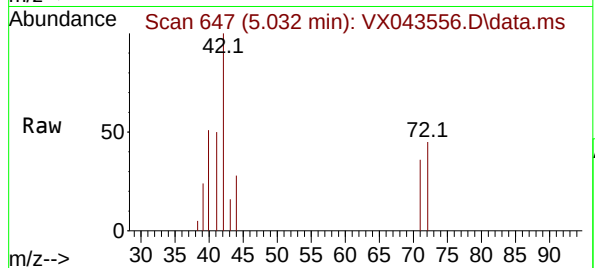
VSTDICC001

Tgt Ion:	42	Resp:	454
Ion	Ratio	Lower	Upper
42	100		
72	37.8	36.6	55.0
71	29.8	34.2	51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#30

Chloroform

Concen: 1.005 ug/l

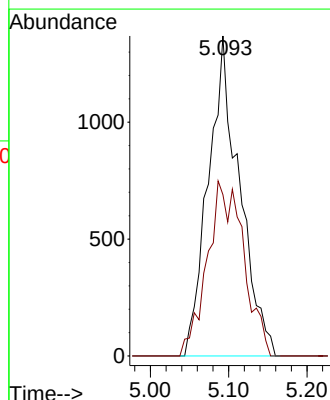
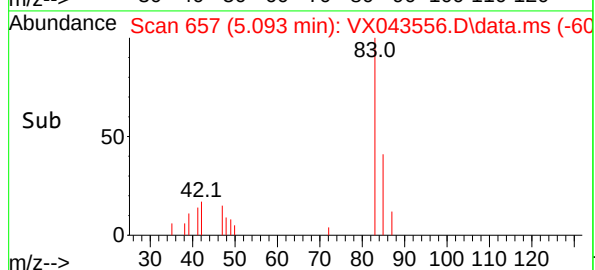
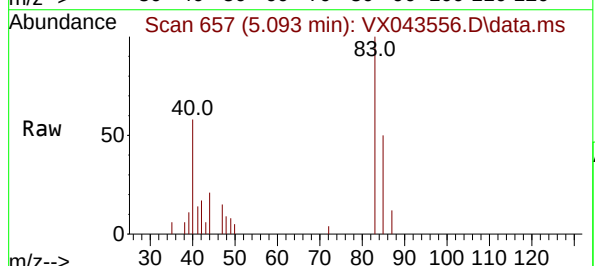
RT: 5.093 min Scan# 657

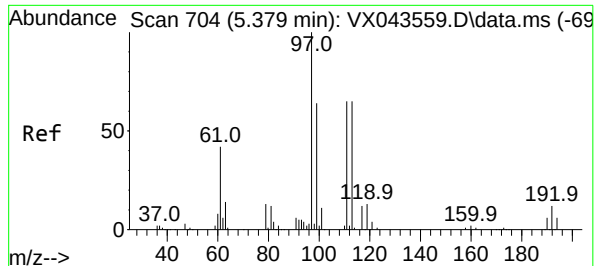
Delta R.T. 0.000 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Tgt Ion:	83	Resp:	3785
Ion	Ratio	Lower	Upper
83	100		
85	50.4	52.2	78.4





#32

1,1,1-Trichloroethane

Concen: 0.959 ug/l

RT: 5.373 min Scan# 70

Delta R.T. -0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 303

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0

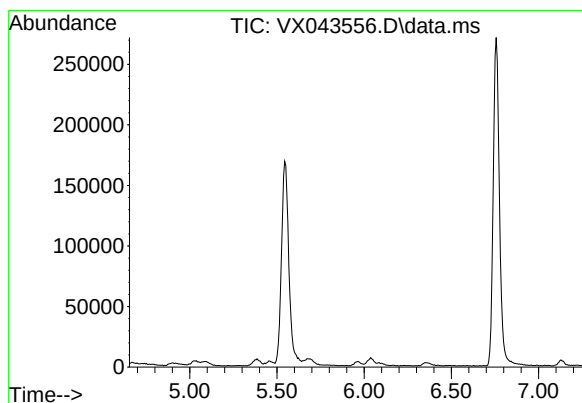
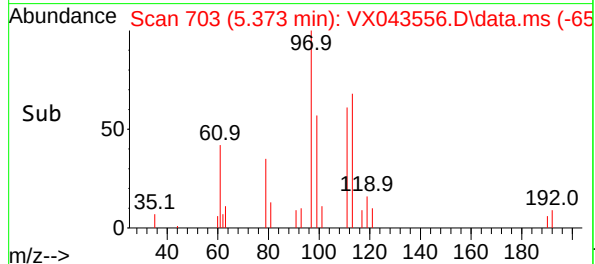
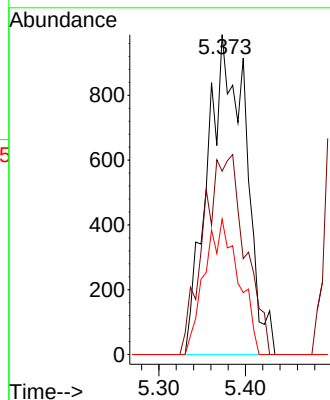
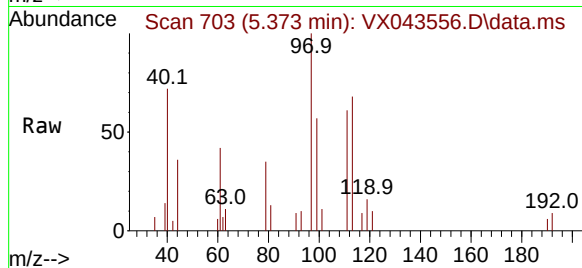
61 37.6 34.0 51.0

Manual Integrations

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Supervised By :Mahesh Dadoda 10/29/2024



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.95 min

Lab File: VX043556.D

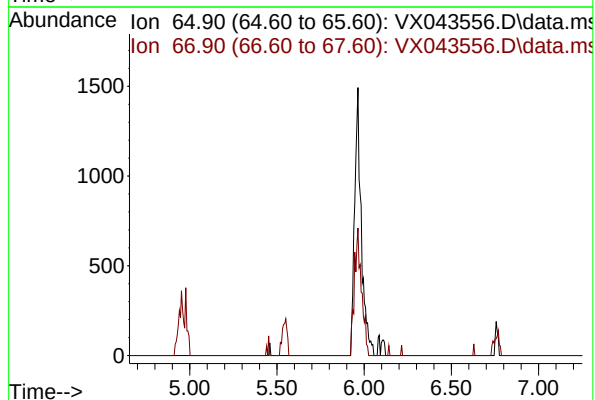
Acq: 28 Oct 2024 10:59

Tgt Ion: 65

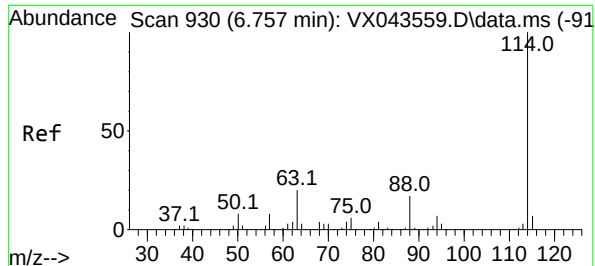
Sig Exp Ratio

65 100

67 51.7



Ion 66.90 (66.60 to 67.60): VX043556.D\data.ms



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 29568

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.2

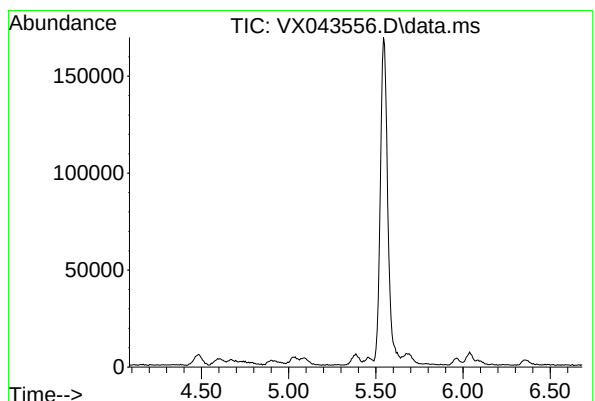
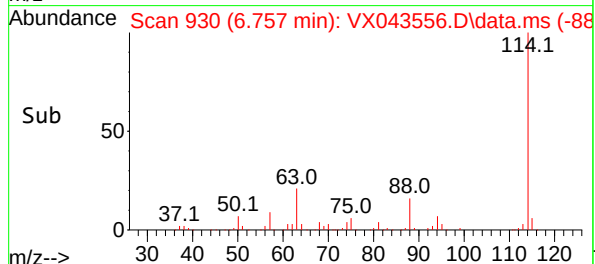
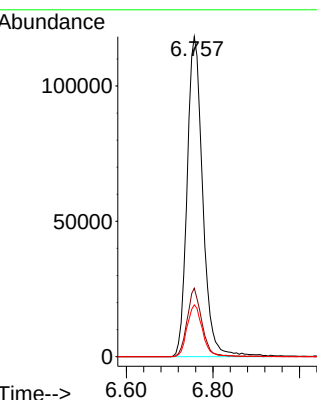
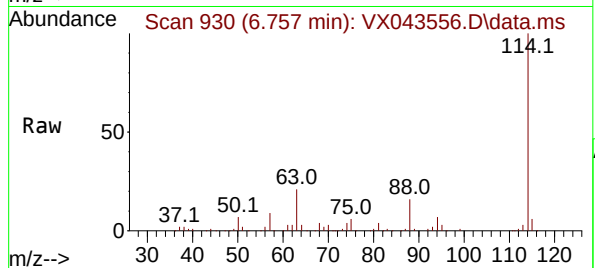
88 16.2 0.0 34.0

Manual Integrations

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Supervised By :Mahesh Dadoda 10/29/2024



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.39 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

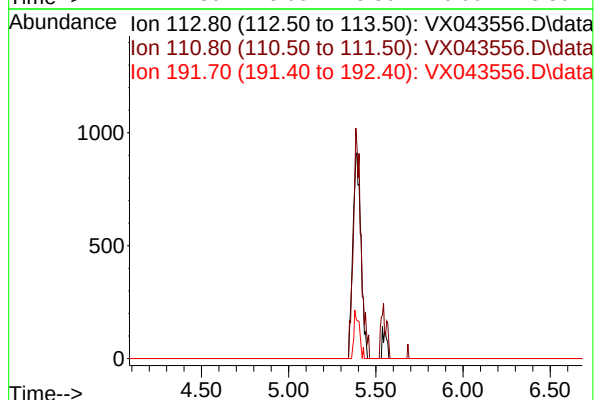
Tgt Ion: 113

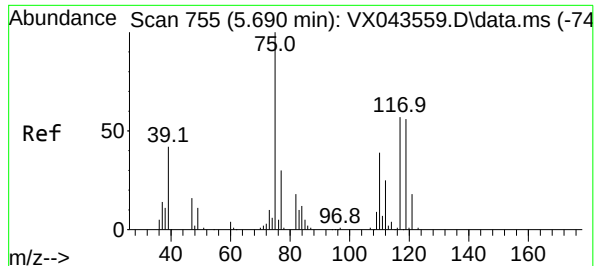
Sig Exp Ratio

113 100

111 101.7

192 17.6





#36

1,1-Dichloropropene

Concen: 1.146 ug/l

RT: 5.702 min Scan# 71

Delta R.T. 0.018 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 2670

Ion Ratio Lower Upper

75 100

110 28.7 17.9 53.7

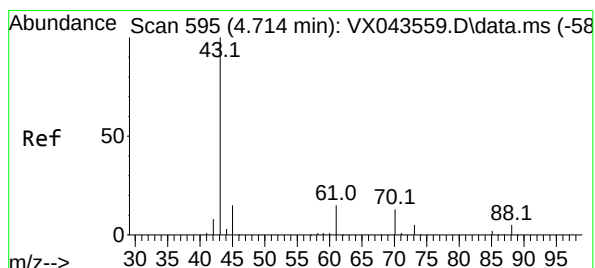
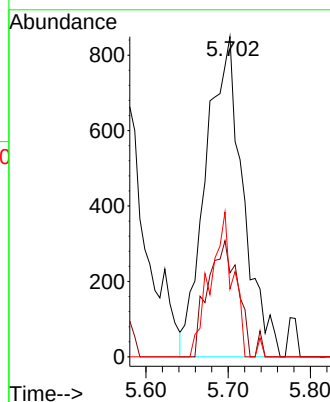
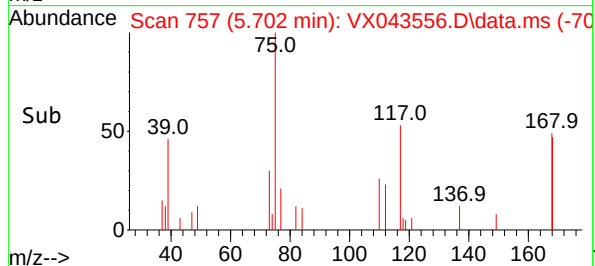
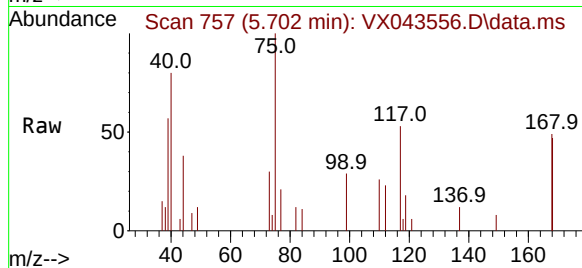
77 27.9 25.0 37.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#37

Ethyl Acetate

Concen: 0.970 ug/l m

RT: 4.757 min Scan# 602

Delta R.T. 0.037 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

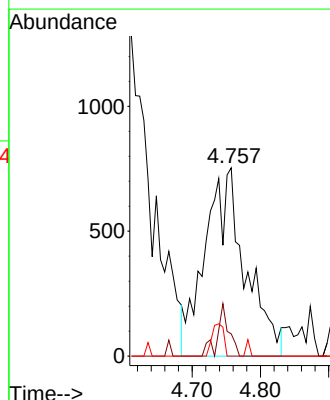
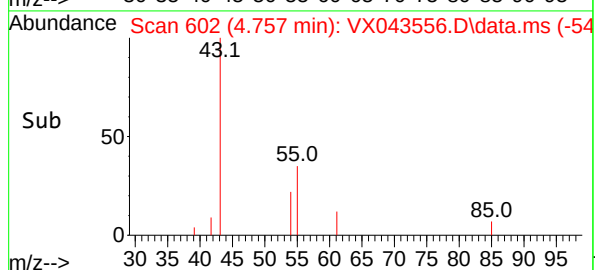
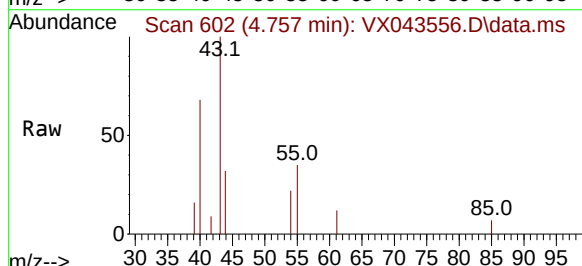
Tgt Ion: 43 Resp: 3086

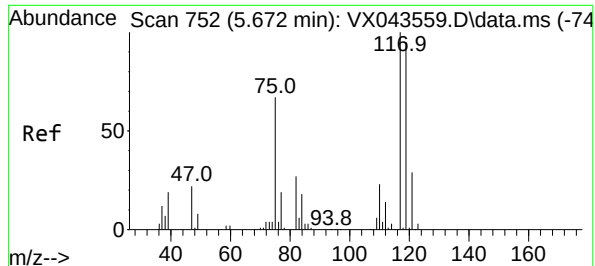
Ion Ratio Lower Upper

43 100

61 7.9 11.0 16.6#

70 5.0 8.9 13.3#





#38

Carbon Tetrachloride

Concen: 1.031 ug/l

RT: 5.660 min Scan# 752

Delta R.T. -0.012 min

Lab File: VX043556.D

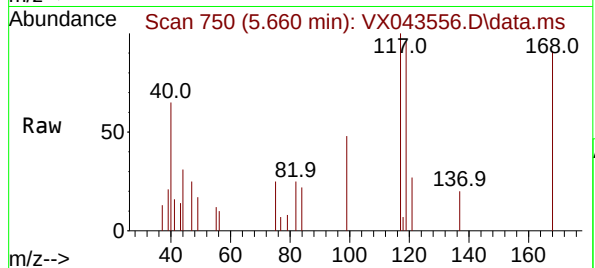
Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001



Tgt Ion:117 Resp: 273

Ion Ratio Lower Upper

117 100

119 96.1 77.0 115.6

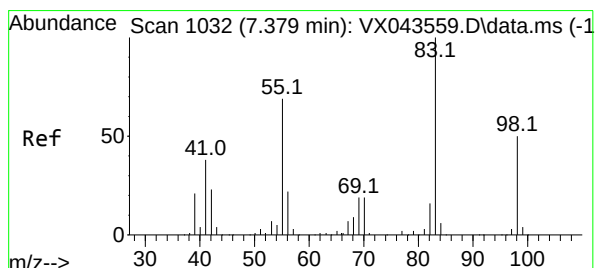
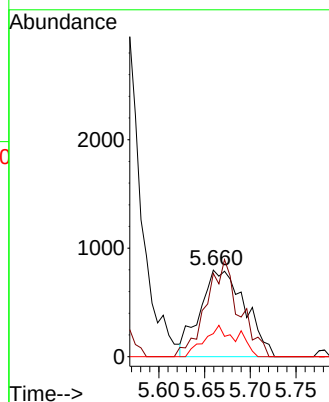
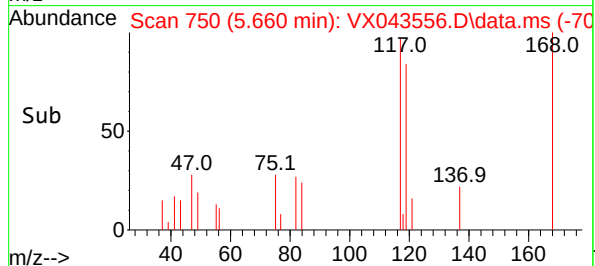
121 26.6 24.7 37.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#39

Methylcyclohexane

Concen: 0.941 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

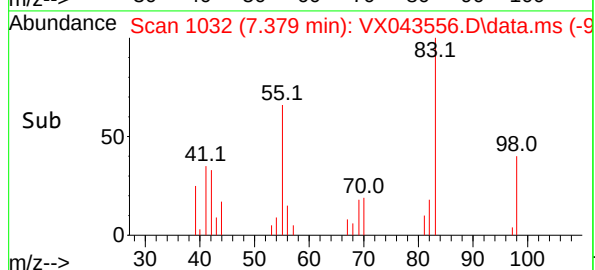
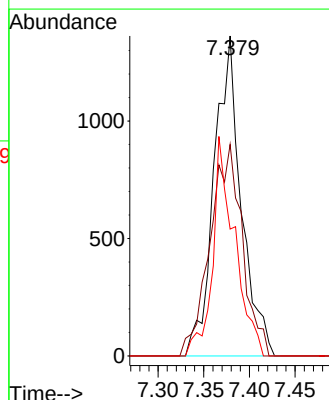
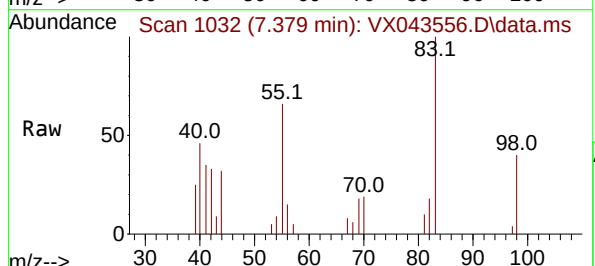
Tgt Ion: 83 Resp: 2811

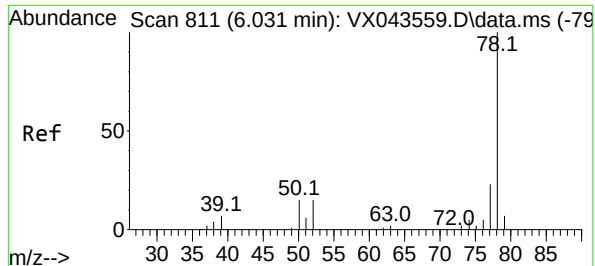
Ion Ratio Lower Upper

83 100

55 66.1 59.9 89.9

98 39.6 41.3 61.9#





#40

Benzene

Concen: 1.014 ug/l

RT: 6.050 min Scan# 811

Delta R.T. 0.018 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 78 Resp: 7890

Ion Ratio Lower Upper

78 100

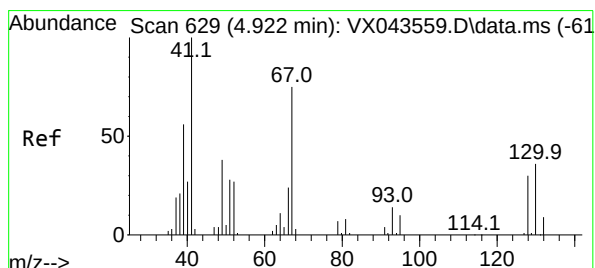
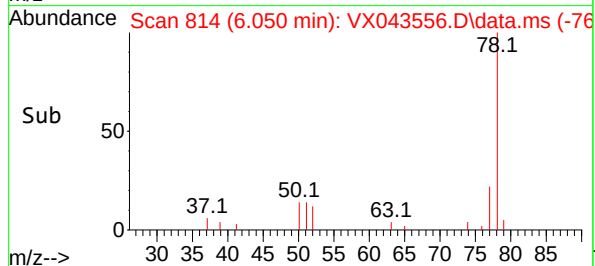
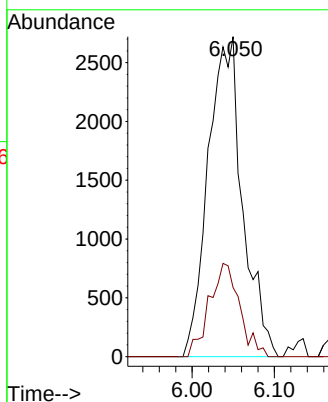
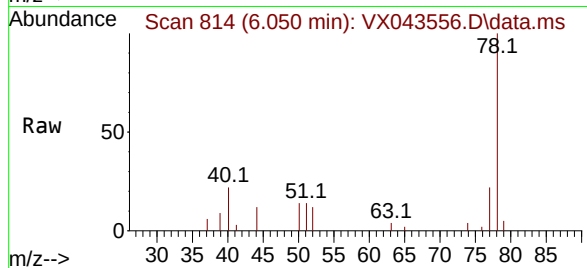
77 21.6 18.4 27.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#41

Methacrylonitrile

Concen: 0.962 ug/l m

RT: 4.995 min Scan# 641

Delta R.T. 0.073 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Tgt Ion: 41 Resp: 1539

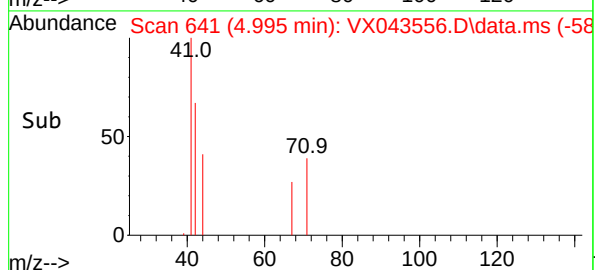
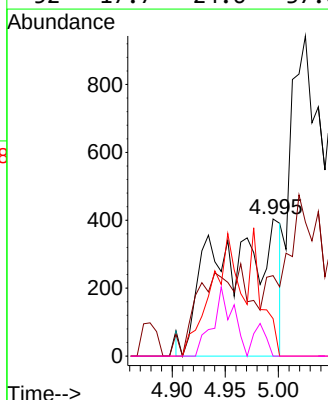
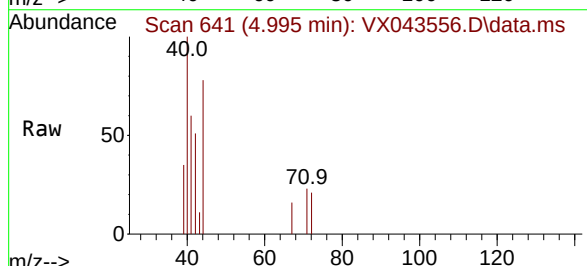
Ion Ratio Lower Upper

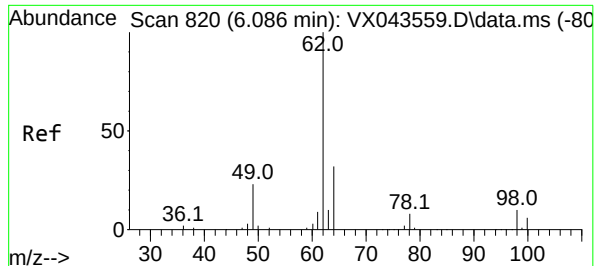
41 100

39 38.6 43.5 65.3#

67 43.9 58.3 87.5#

52 17.7 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.939 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX043556.D

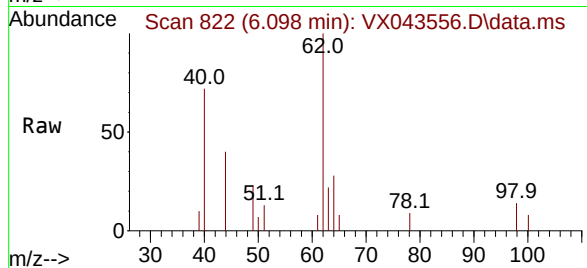
Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

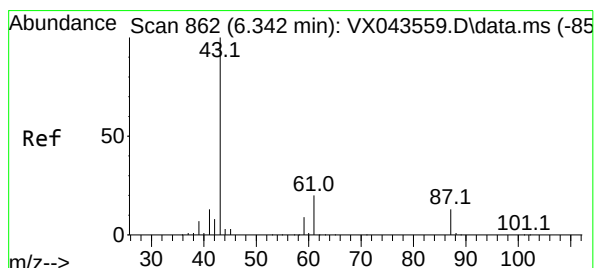
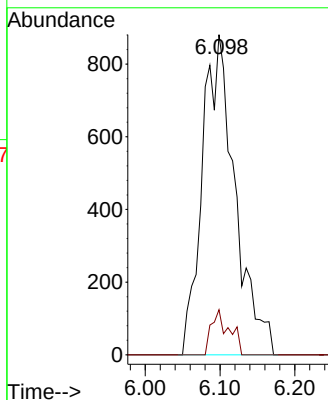
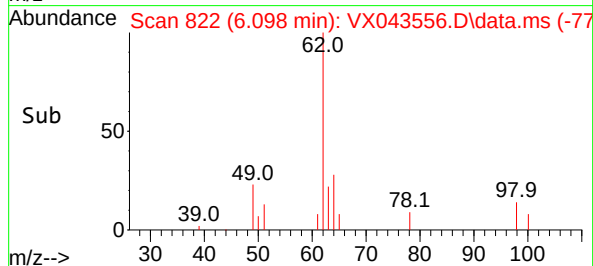


Tgt Ion: 62 Resp: 2692
Ion Ratio Lower Upper
62 100
98 7.7 0.0 18.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#43

Isopropyl Acetate

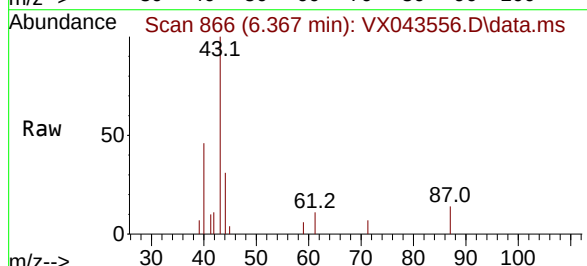
Concen: 0.874 ug/l

RT: 6.367 min Scan# 866

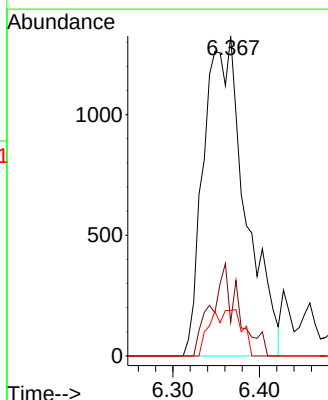
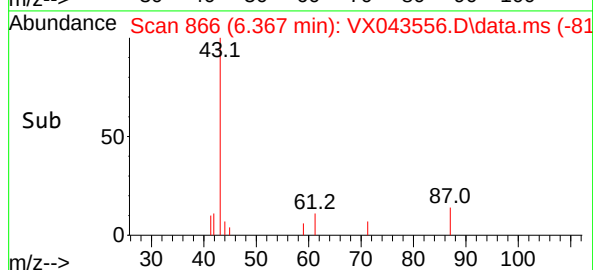
Delta R.T. 0.025 min

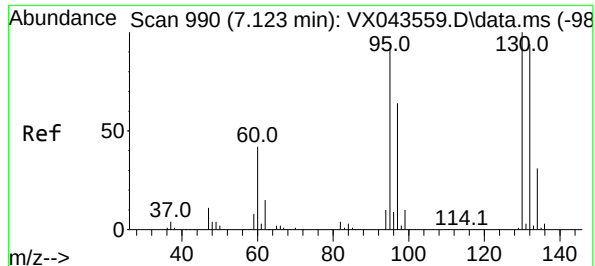
Lab File: VX043556.D

Acq: 28 Oct 2024 10:59



Tgt Ion: 43 Resp: 4398
Ion Ratio Lower Upper
43 100
61 19.0 16.2 24.4
87 11.1 11.0 16.6





#44

Trichloroethene

Concen: 1.028 ug/l

RT: 7.135 min Scan# 990

Delta R.T. 0.012 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 1898

Ion Ratio Lower Upper

130 100

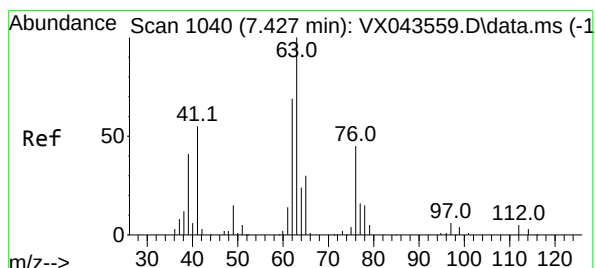
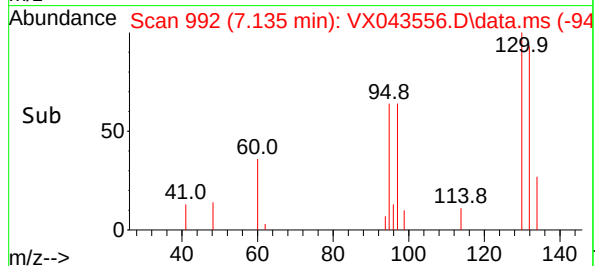
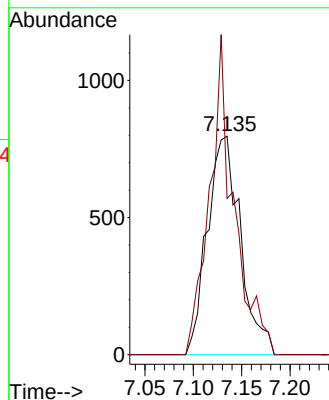
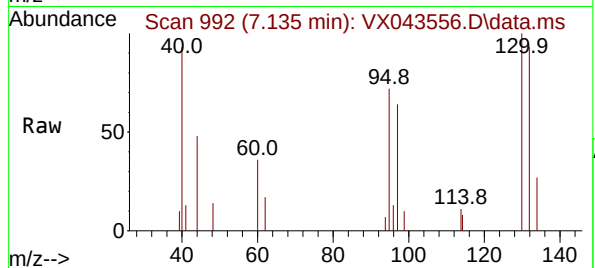
95 71.5 0.0 202.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#45

1,2-Dichloropropane

Concen: 1.017 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX043556.D

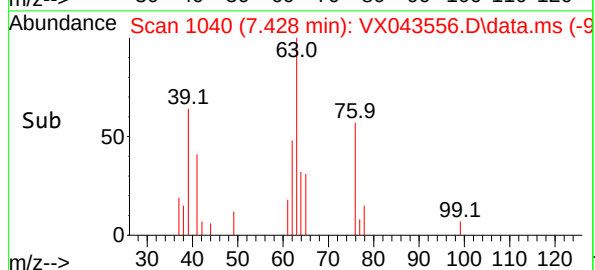
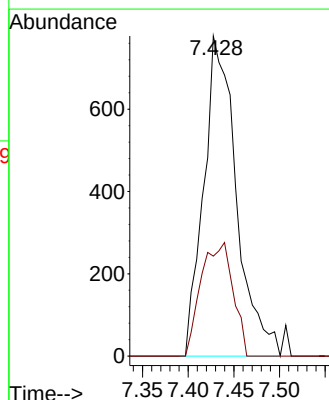
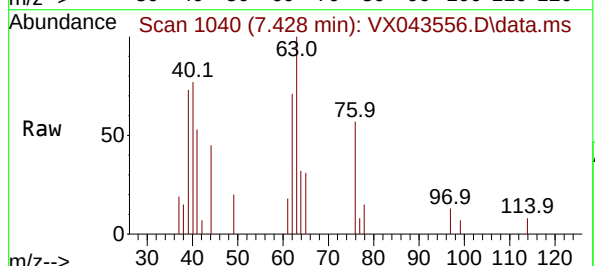
Acq: 28 Oct 2024 10:59

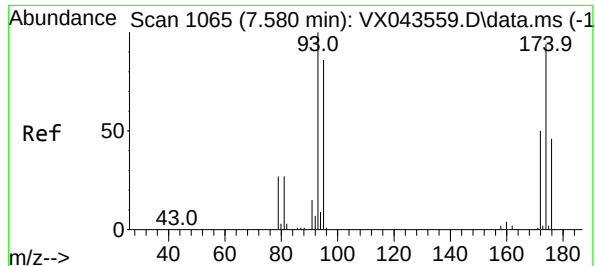
Tgt Ion: 63 Resp: 1935

Ion Ratio Lower Upper

63 100

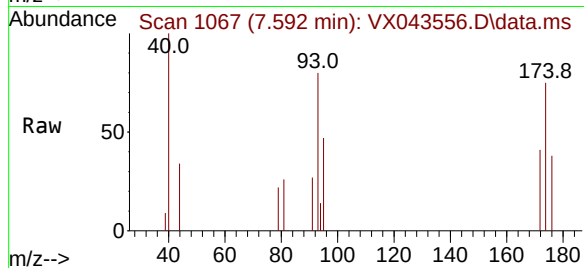
65 31.2 24.5 36.7





#46
Dibromomethane
Concen: 0.931 ug/l
RT: 7.592 min Scan# 1105
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

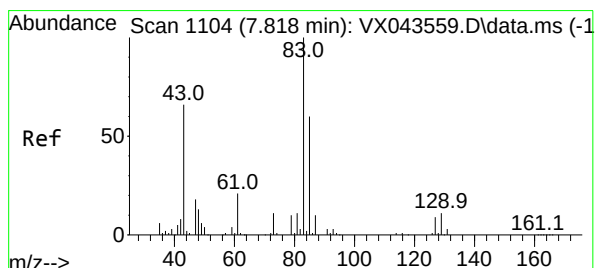
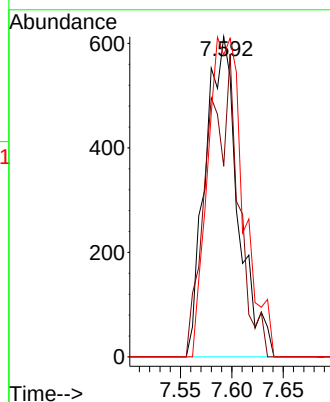
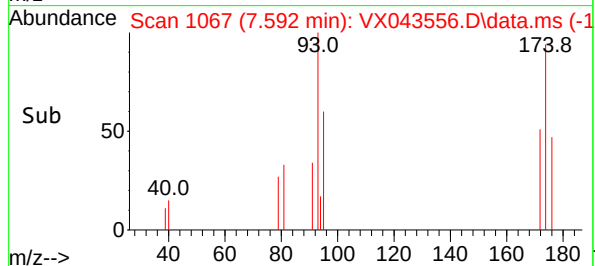
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 93 Resp: 1360
Ion Ratio Lower Upper
93 100
95 89.6 66.4 99.6
174 109.0 75.0 112.4

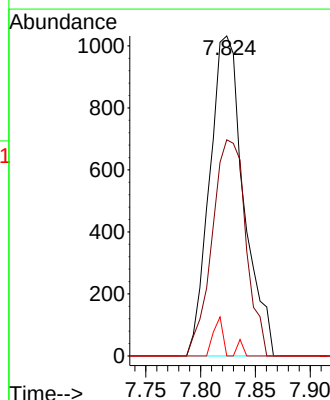
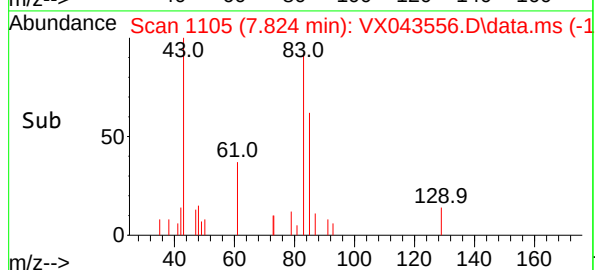
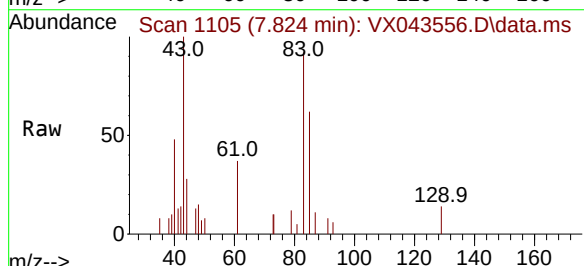
Manual Integrations
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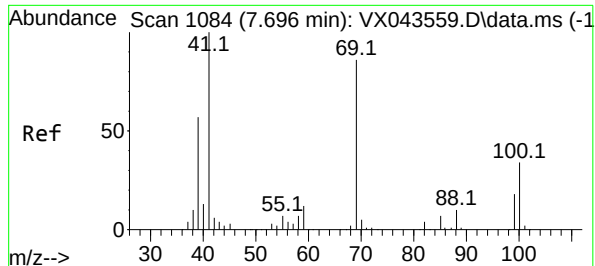
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#47
Bromodichloromethane
Concen: 0.862 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 83 Resp: 2234
Ion Ratio Lower Upper
83 100
85 67.5 52.2 78.4
127 0.0 7.1 10.7#





#48

Methyl methacrylate

Concen: 0.804 ug/l

RT: 7.708 min Scan# 1086

Delta R.T. 0.012 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

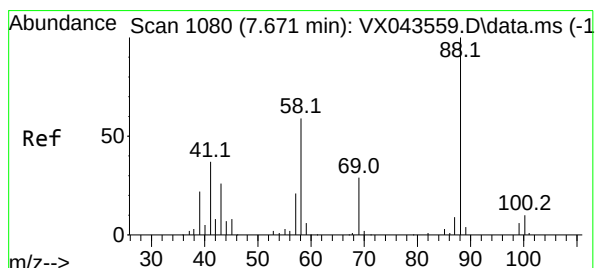
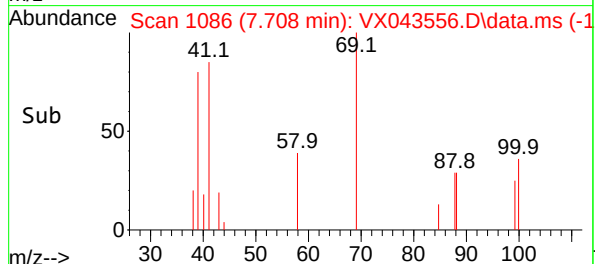
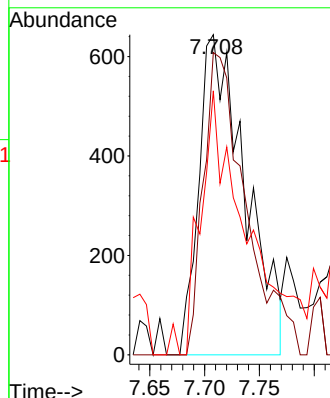
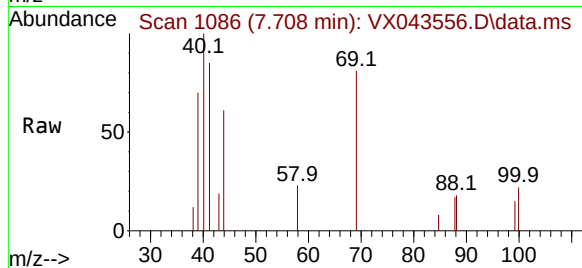
VSTDIC001

Tgt Ion:	41	Resp:	188
Ion	Ratio	Lower	Upper
41	100		
69	86.7	67.7	101.5
39	84.1	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#49

1,4-Dioxane

Concen: 15.892 ug/l

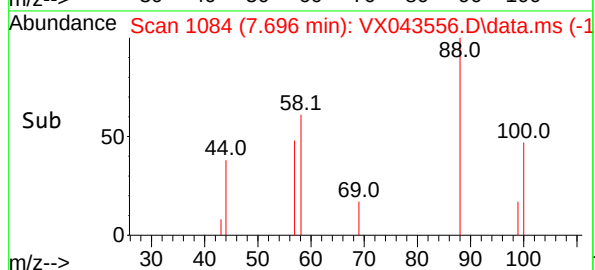
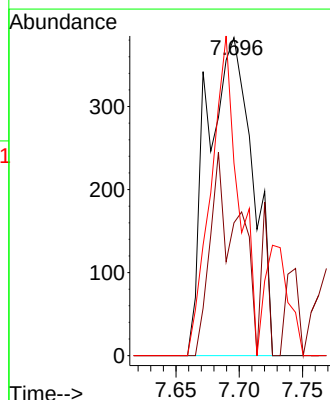
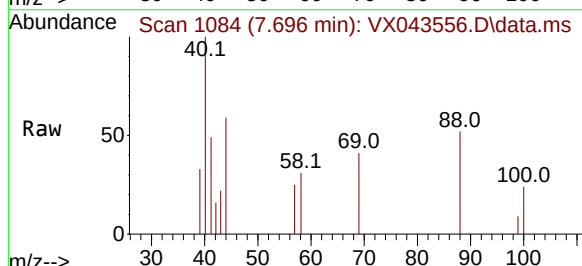
RT: 7.696 min Scan# 1084

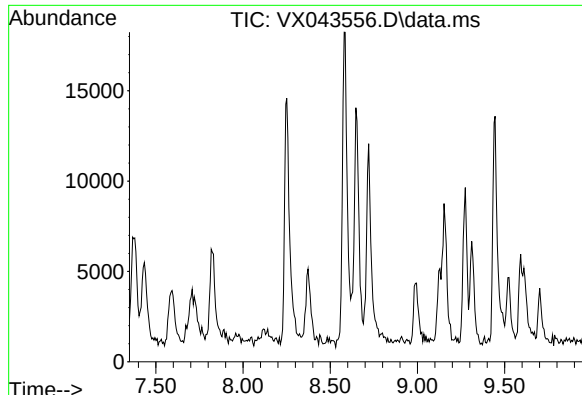
Delta R.T. 0.025 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Tgt Ion:	88	Resp:	959
Ion	Ratio	Lower	Upper
88	100		
43	39.5	25.3	37.9
58	62.0	53.9	80.9





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

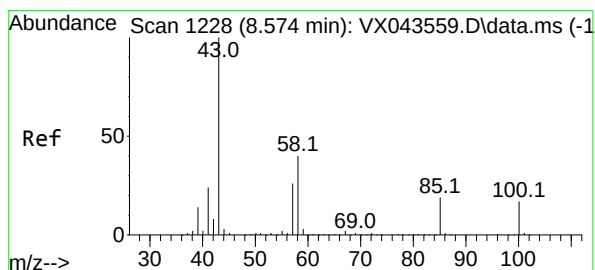
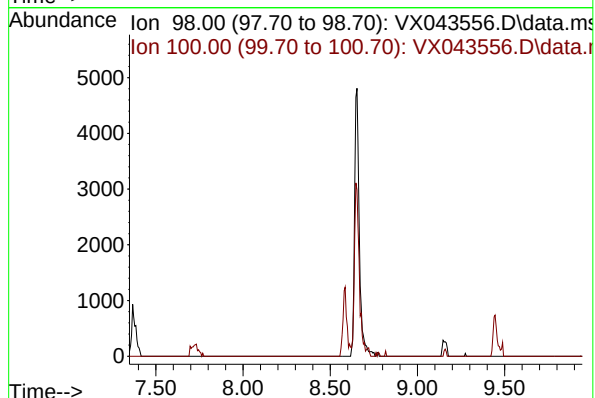
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

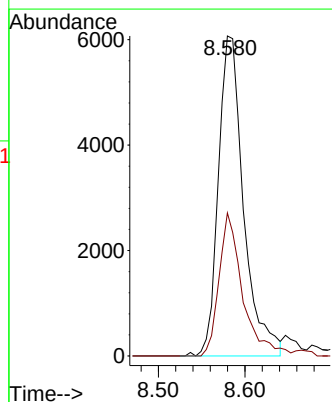
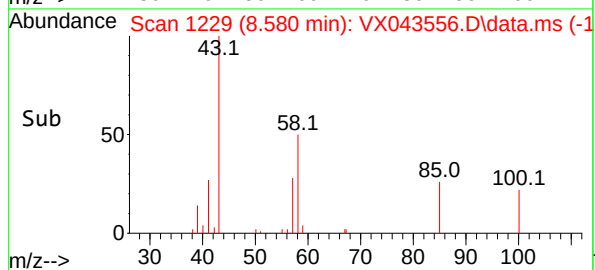
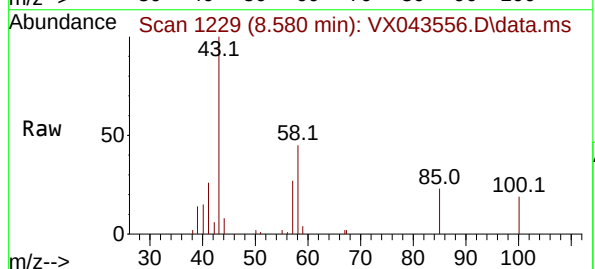
Manual Integrations
APPROVED

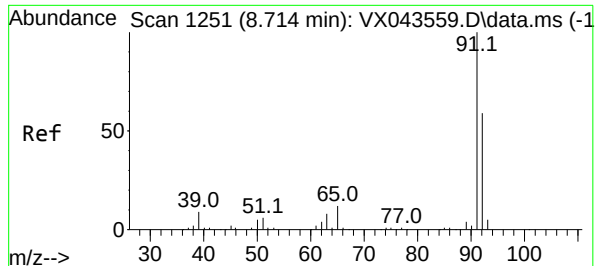
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#51
4-Methyl-2-Pentanone
Concen: 3.855 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 12287
Ion Ratio Lower Upper
43 100
58 41.6 31.7 47.5





#52

Toluene

Concen: 0.915 ug/l

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 4390

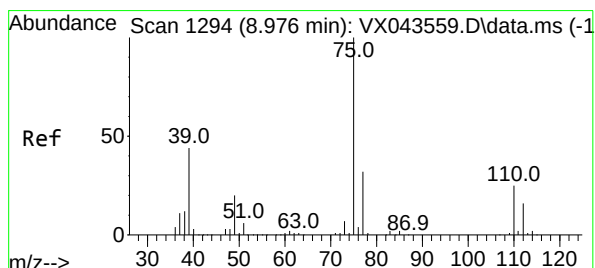
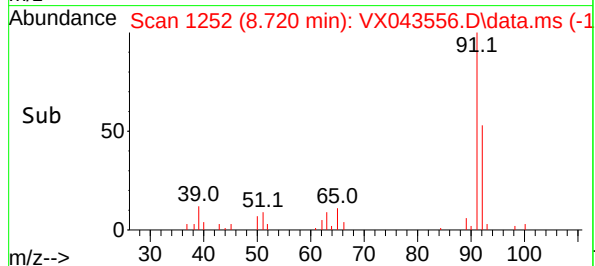
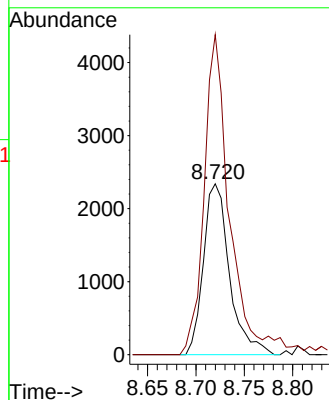
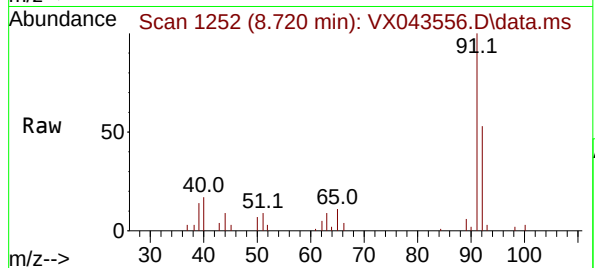
Ion Ratio Lower Upper

92 100

91 175.3 135.7 203.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

#53

t-1,3-Dichloropropene

Concen: 0.948 ug/l

RT: 8.988 min Scan# 1296

Delta R.T. 0.012 min

Lab File: VX043556.D

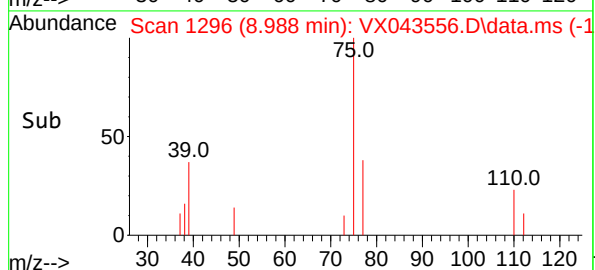
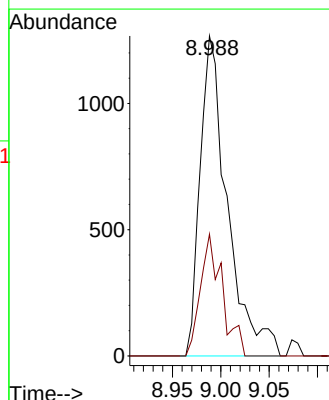
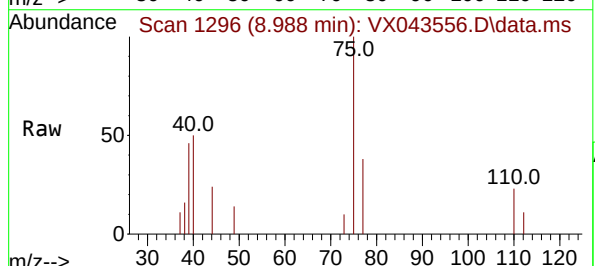
Acq: 28 Oct 2024 10:59

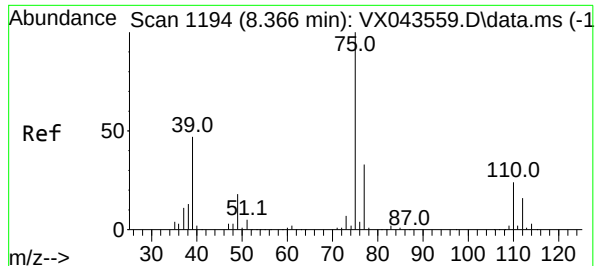
Tgt Ion: 75 Resp: 2487

Ion Ratio Lower Upper

75 100

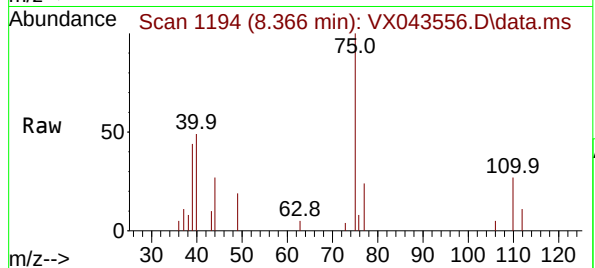
77 38.0 26.0 39.0





#54
cis-1,3-Dichloropropene
Concen: 0.807 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

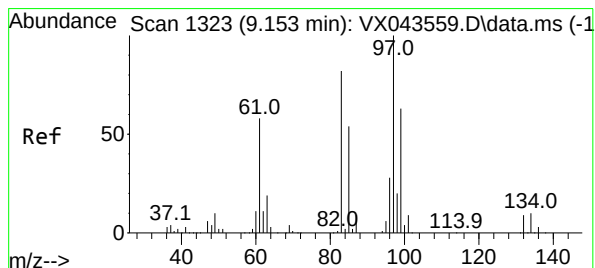
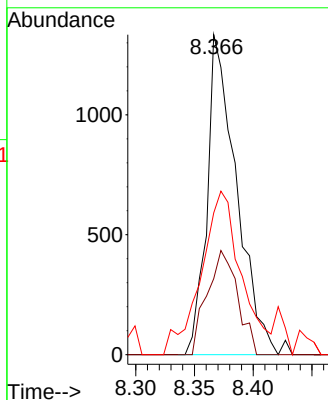
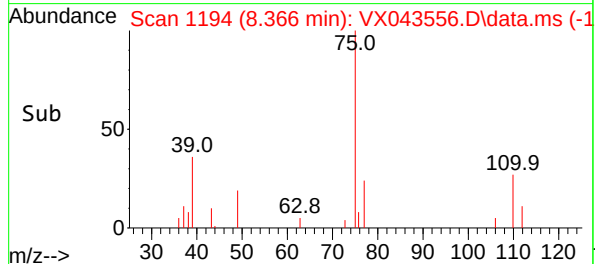
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 75 Resp: 2324
Ion Ratio Lower Upper
75 100
77 23.8 24.8 37.2#
39 38.0 37.7 56.5

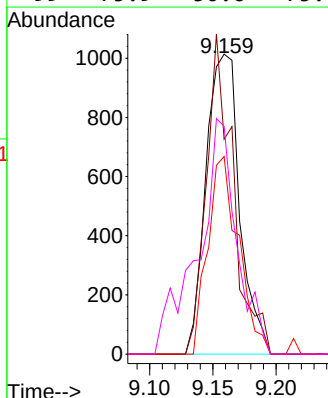
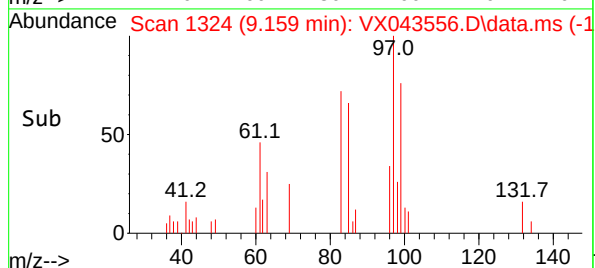
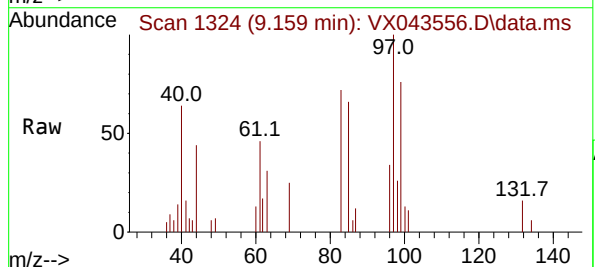
Manual Integrations
APPROVED

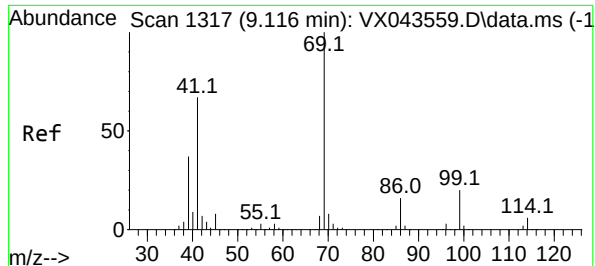
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#55
1,1,2-Trichloroethane
Concen: 0.927 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

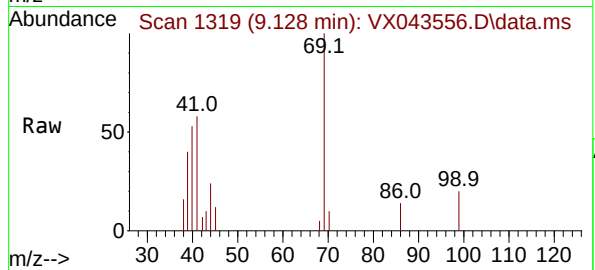
Tgt Ion: 97 Resp: 1879
Ion Ratio Lower Upper
97 100
83 71.6 67.3 100.9
85 65.9 43.6 65.4#
99 75.9 50.6 75.8#





#56
Ethyl methacrylate
Concen: 0.855 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

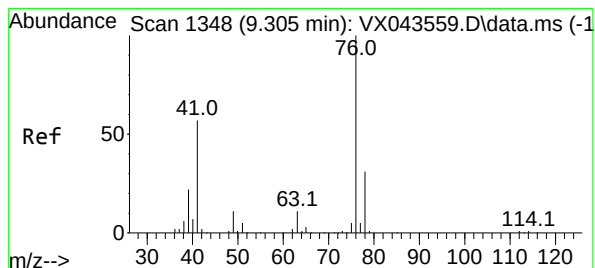
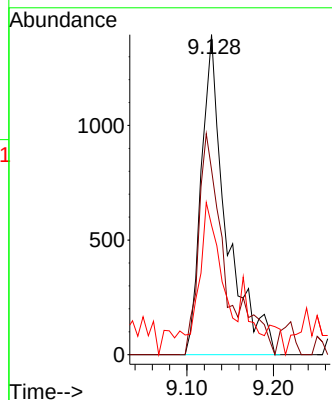
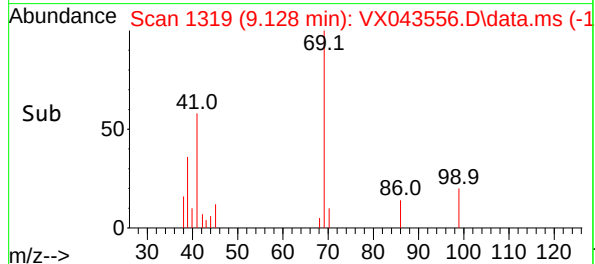
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 69 Resp: 2799
Ion Ratio Lower Upper
69 100
41 61.0 53.8 80.8
39 42.5 29.9 44.9

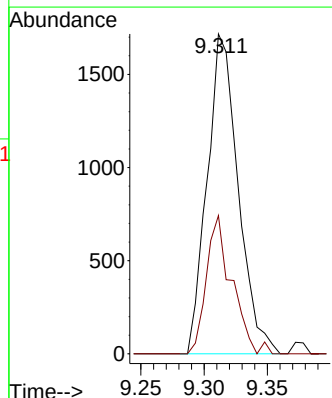
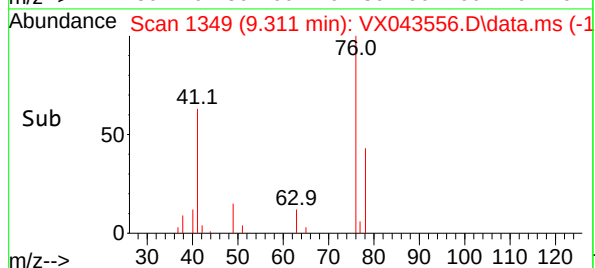
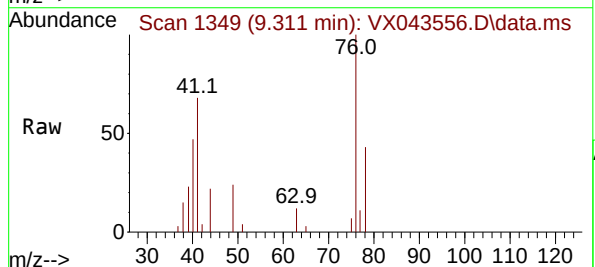
Manual Integrations
APPROVED

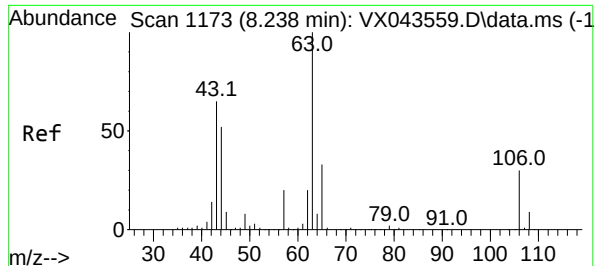
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#57
1,3-Dichloropropane
Concen: 0.875 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 76 Resp: 2929
Ion Ratio Lower Upper
76 100
78 35.3 25.9 38.9





#58

2-Chloroethyl Vinyl ether

Concen: 4.263 ug/l

RT: 8.251 min Scan# 1175

Delta R.T. 0.012 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 63 Resp: 686

Ion Ratio Lower Upper

63 100

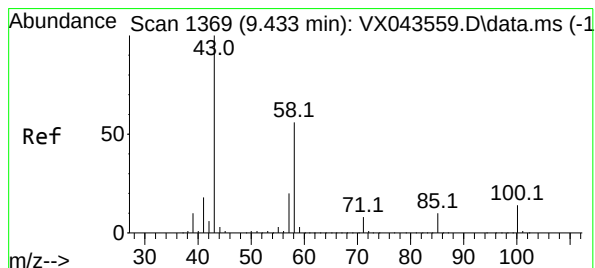
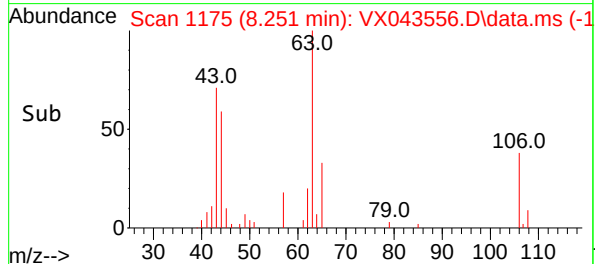
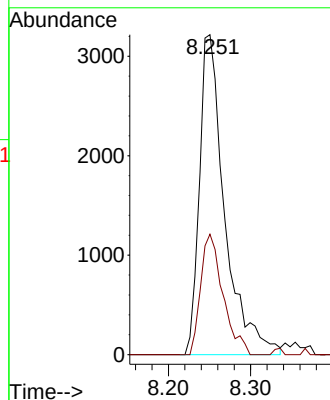
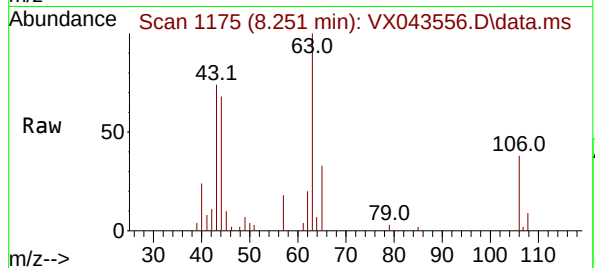
106 33.1 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#59

2-Hexanone

Concen: 4.082 ug/l

RT: 9.445 min Scan# 1371

Delta R.T. 0.012 min

Lab File: VX043556.D

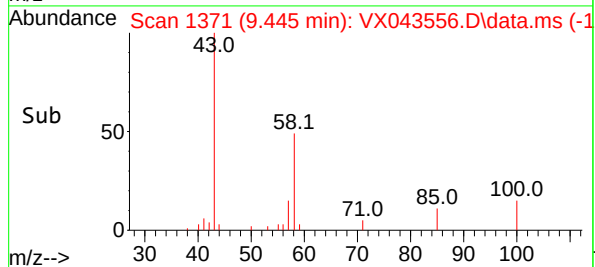
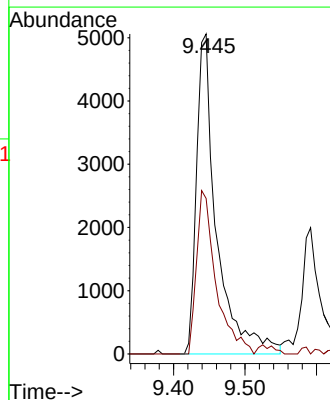
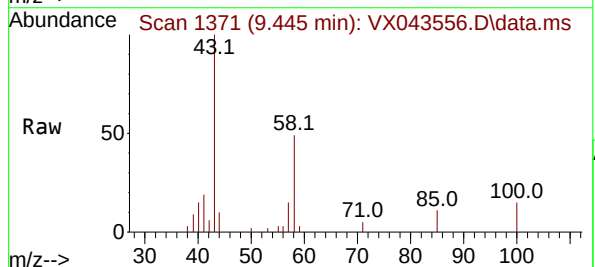
Acq: 28 Oct 2024 10:59

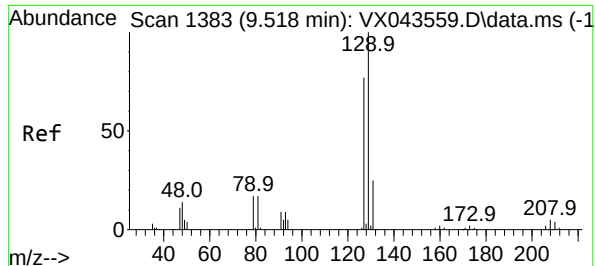
Tgt Ion: 43 Resp: 9840

Ion Ratio Lower Upper

43 100

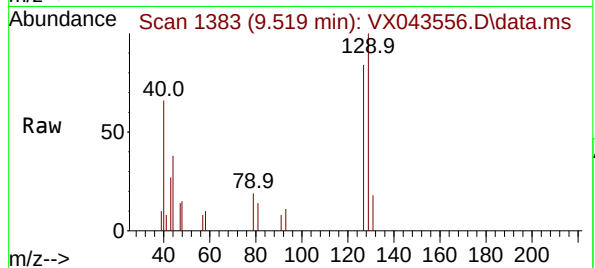
58 49.7 27.5 82.5





#60
Dibromochloromethane
Concen: 0.807 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

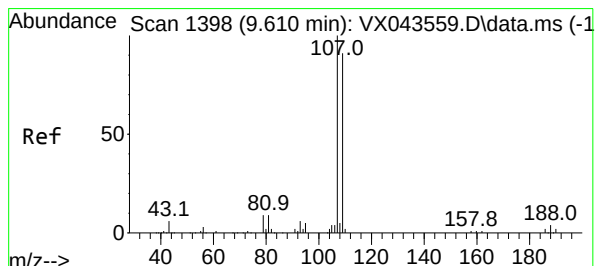
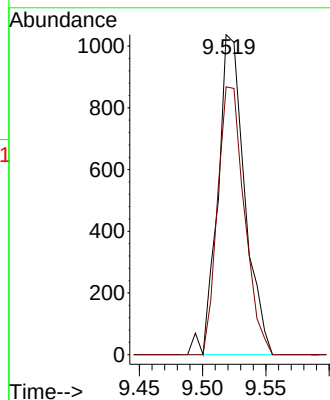
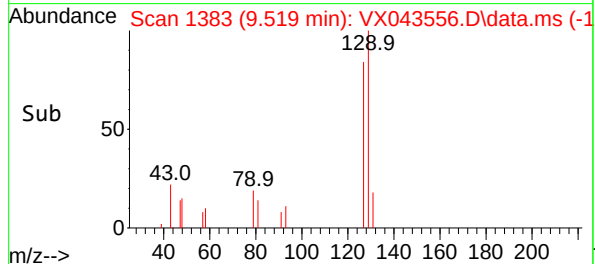
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



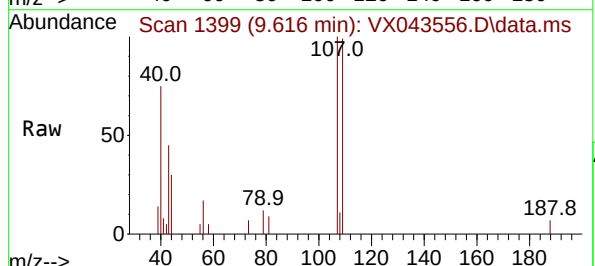
Tgt Ion:129 Resp: 153
Ion Ratio Lower Upper
129 100
127 83.5 38.4 115.1

Manual Integrations
APPROVED

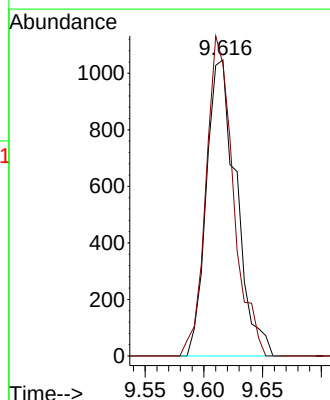
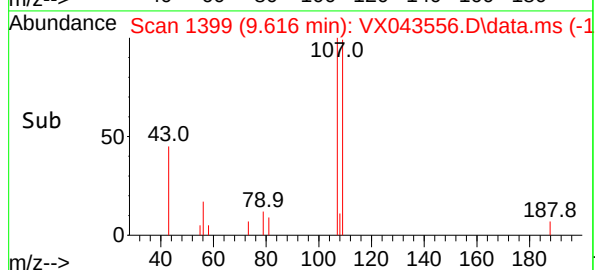
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

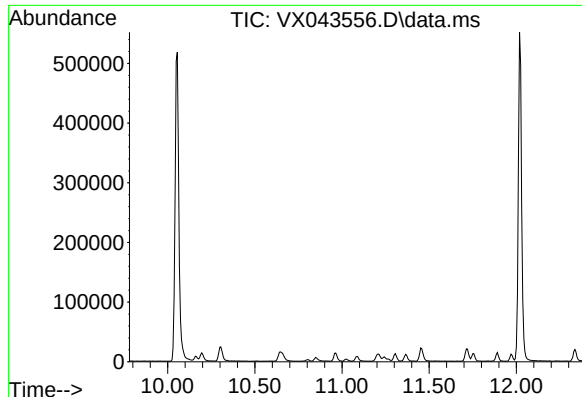


#61
1,2-Dibromoethane
Concen: 0.908 ug/l
RT: 9.616 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59



Tgt Ion:107 Resp: 1856
Ion Ratio Lower Upper
107 100
109 98.7 77.1 115.7





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

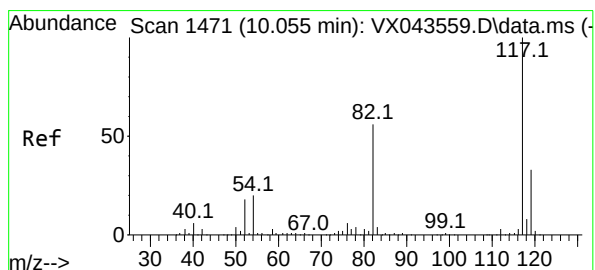
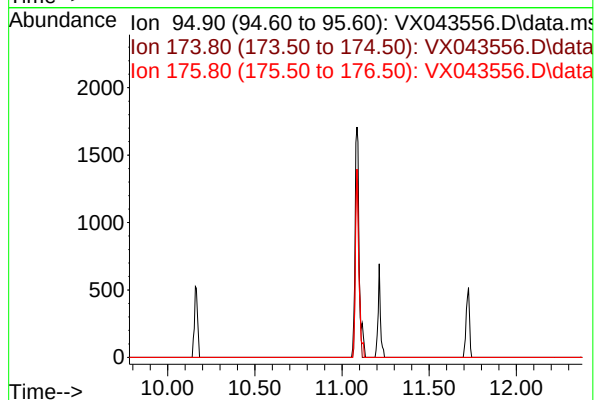
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 95
Sig Exp Ratio
95 100
174 73.3
176 69.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

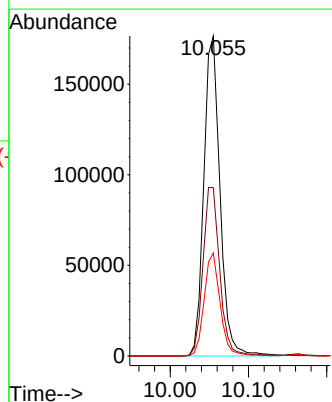
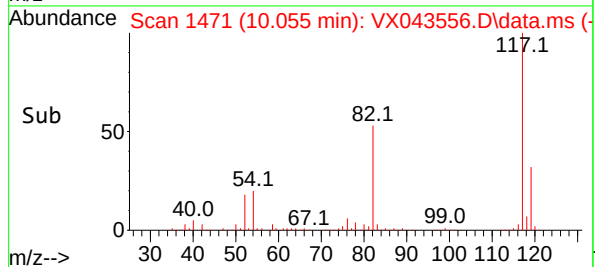
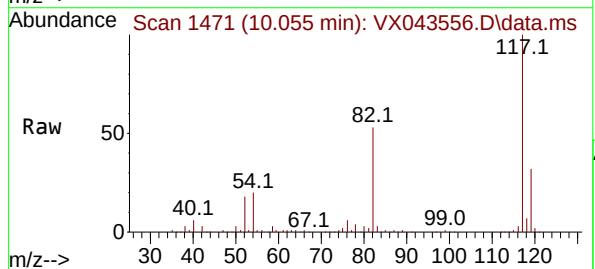
Manual Integrations
APPROVED

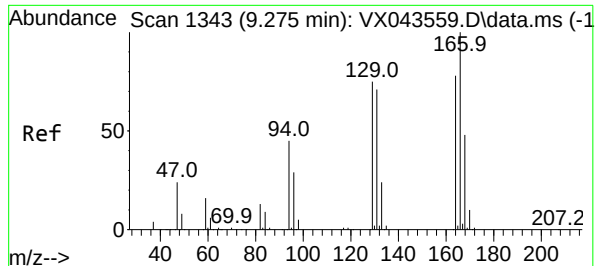
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:117 Resp: 253619
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 32.2 25.4 38.2





#64

Tetrachloroethene

Concen: 1.075 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 170

Ion Ratio Lower Upper

164 100

166 114.5 103.8 155.6

129 82.7 83.8 125.6

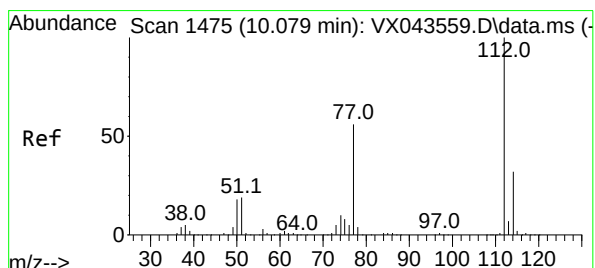
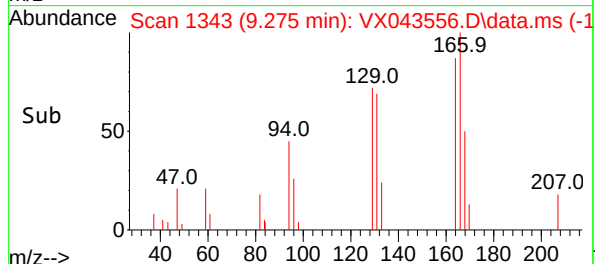
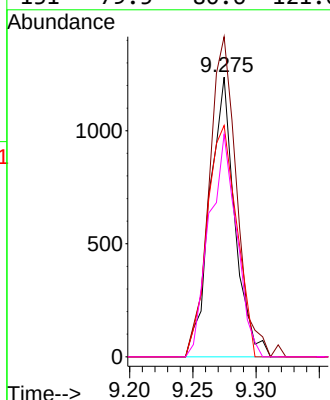
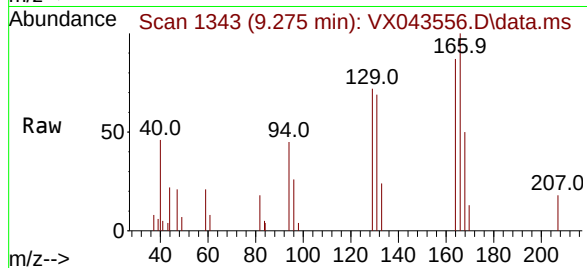
131 79.5 80.6 121.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#65

Chlorobenzene

Concen: 1.056 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043556.D

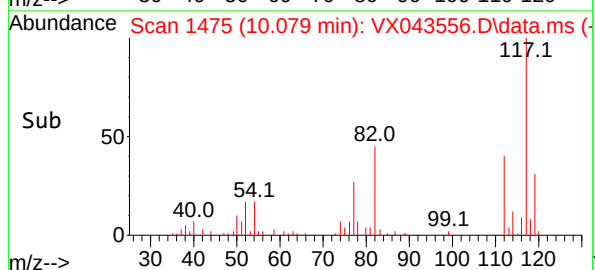
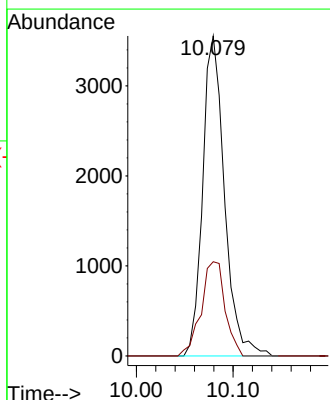
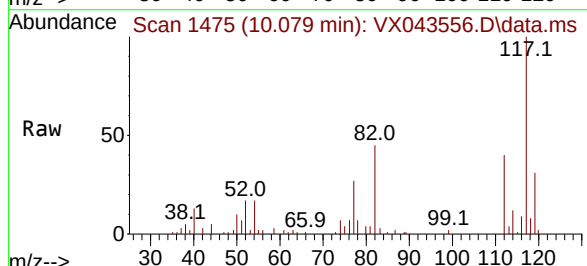
Acq: 28 Oct 2024 10:59

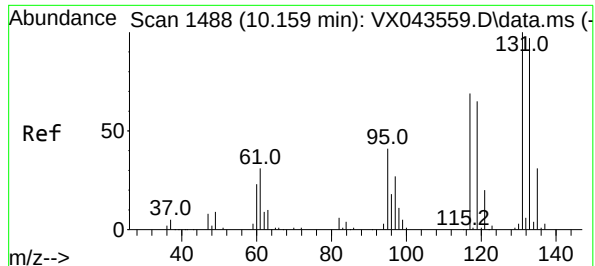
Tgt Ion:112 Resp: 5570

Ion Ratio Lower Upper

112 100

114 29.5 25.0 37.6





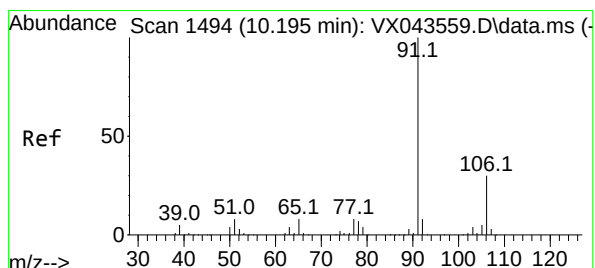
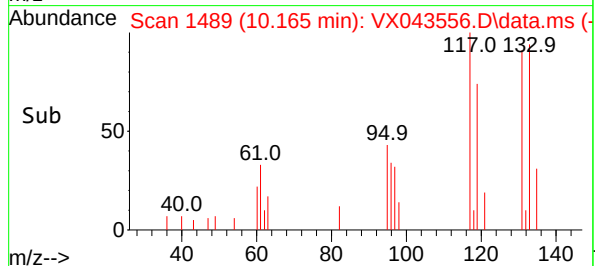
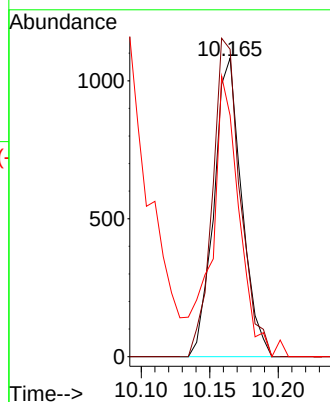
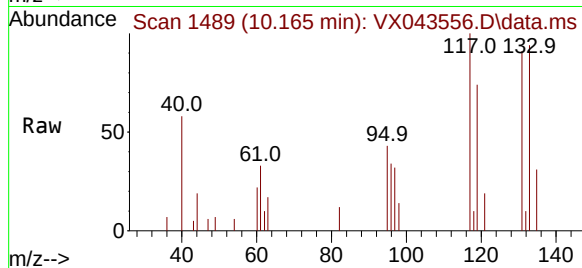
#66
1,1,1,2-Tetrachloroethane
Concen: 0.856 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion	Ratio	Lower	Upper
131	100		
133	106.8	48.0	144.0
119	0.0	32.3	96.9

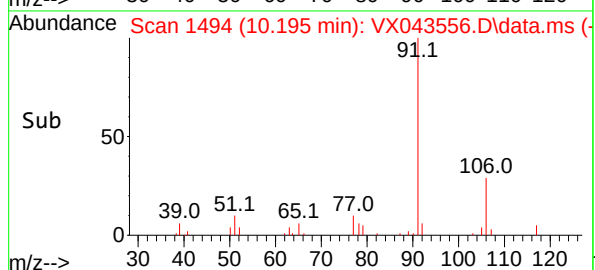
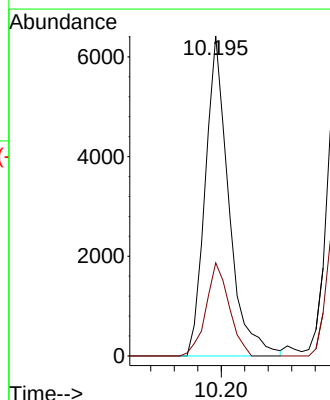
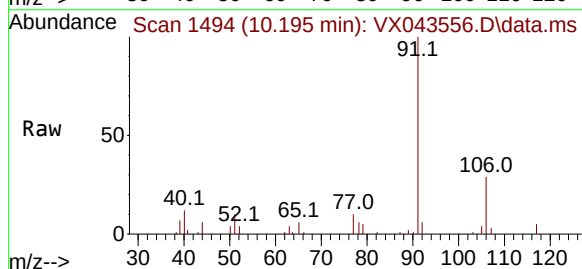
Manual Integrations
APPROVED

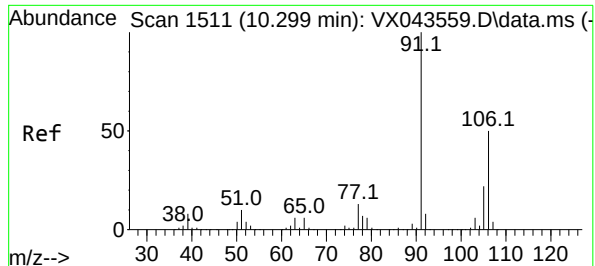
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#67
Ethyl Benzene
Concen: 1.015 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.1	25.4	38.2





#68

m/p-Xylenes

Concen: 1.908 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:106 Resp: 634

Ion Ratio Lower Upper

106 100

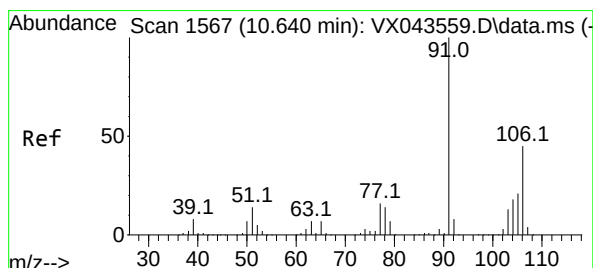
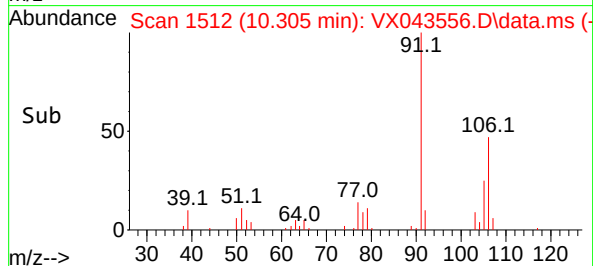
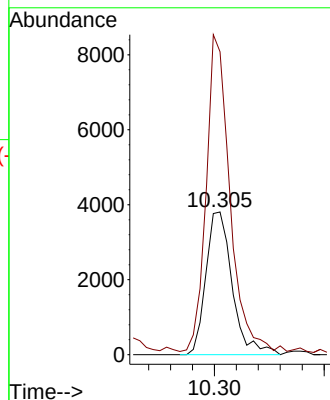
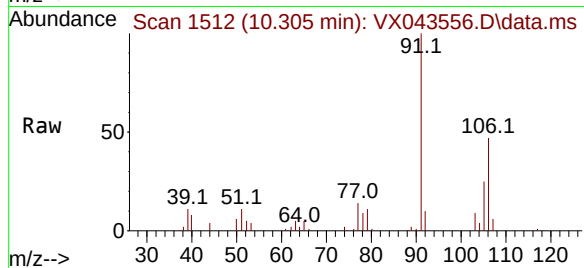
91 200.2 164.7 247.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#69

o-Xylene

Concen: 0.914 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043556.D

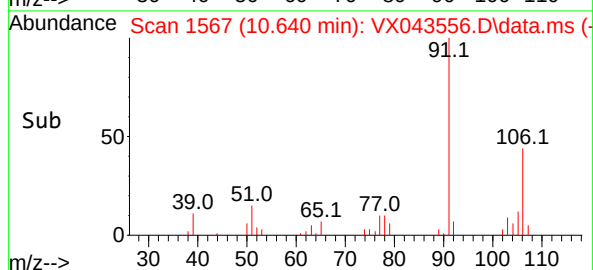
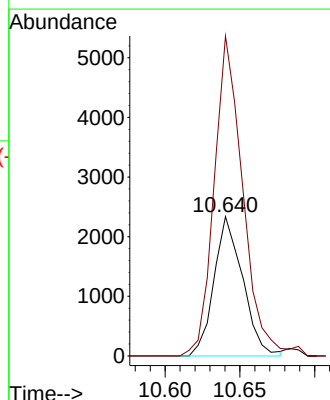
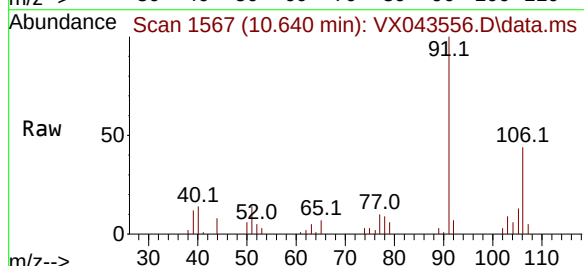
Acq: 28 Oct 2024 10:59

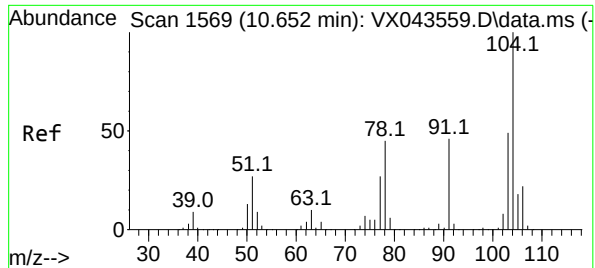
Tgt Ion:106 Resp: 3125

Ion Ratio Lower Upper

106 100

91 229.7 107.9 323.7





#70

Styrene

Concen: 0.923 ug/l

RT: 10.659 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

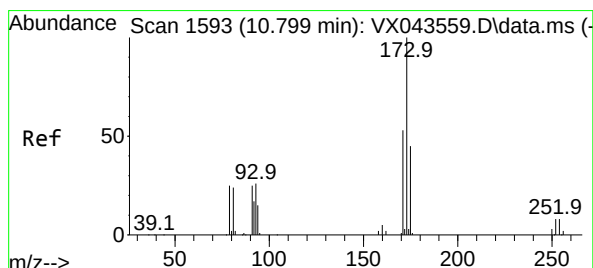
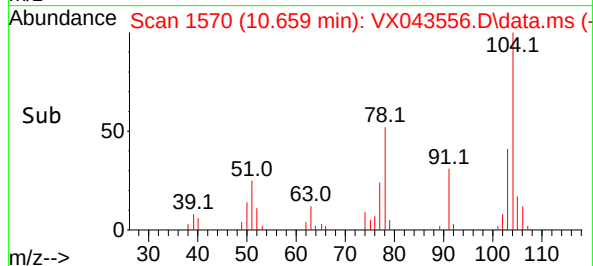
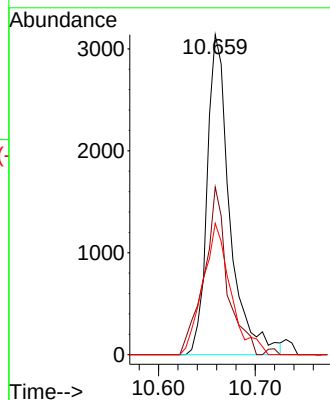
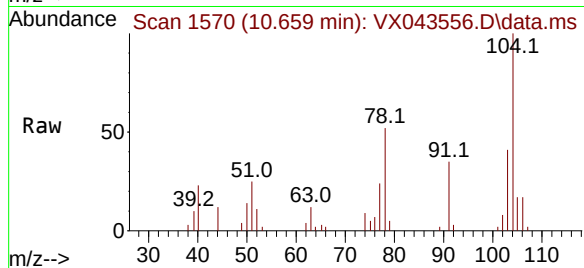
VSTDIC001

Tgt Ion:104	Resp:	510
Ion Ratio	Lower	Upper
104	100	
78	53.7	40.0 60.0
103	50.3	43.4 65.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#71

Bromoform

Concen: 0.859 ug/l

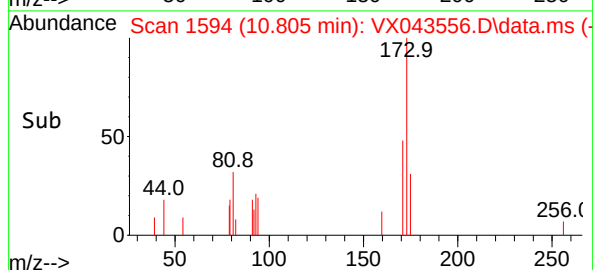
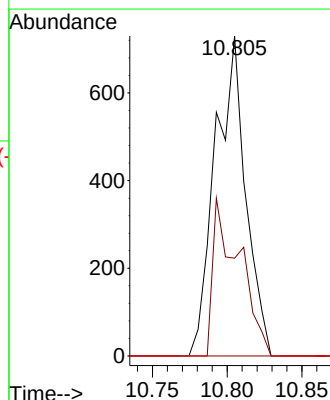
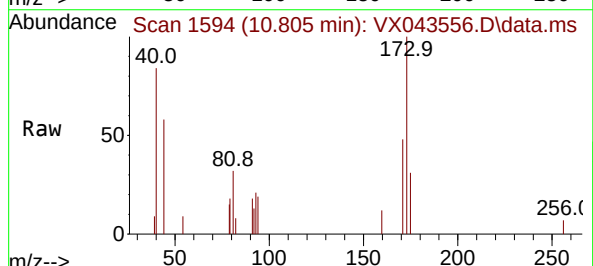
RT: 10.805 min Scan# 1594

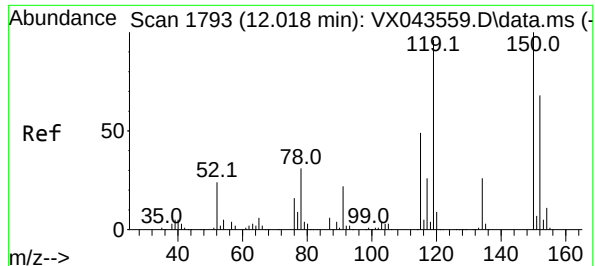
Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

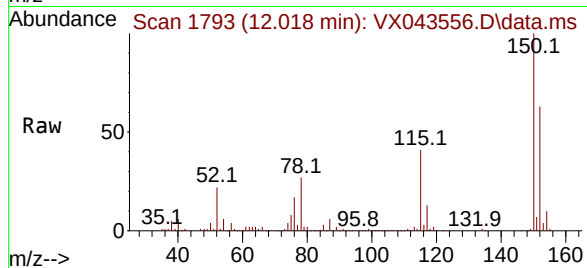
Tgt Ion:173	Resp:	1032
Ion Ratio	Lower	Upper
173	100	
175	42.9	23.3 69.9
254	0.0	0.0 0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

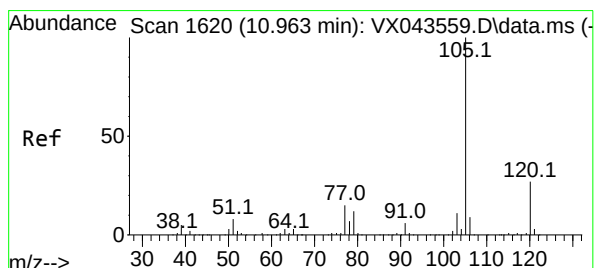
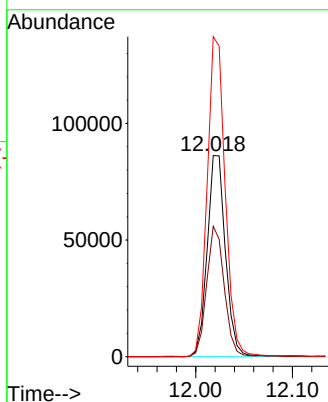
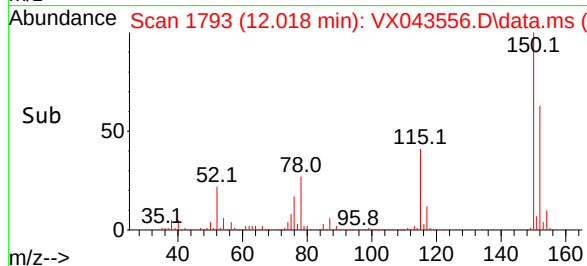
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



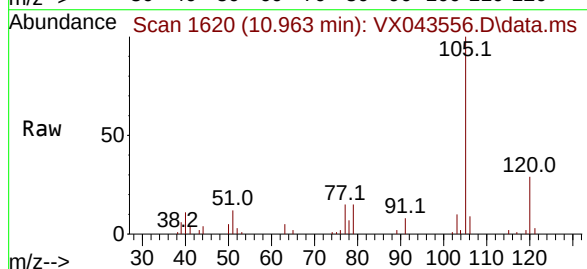
Tgt Ion:152 Resp: 11352
Ion Ratio Lower Upper
152 100
115 62.7 42.9 128.7
150 157.2 0.0 343.6

Manual Integrations
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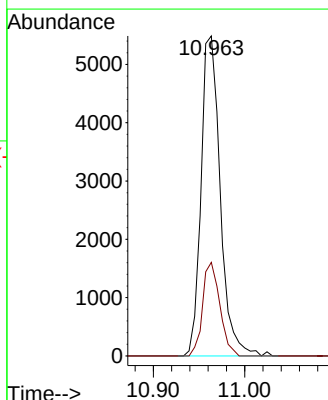
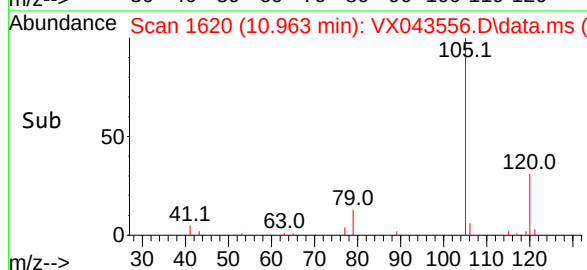
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

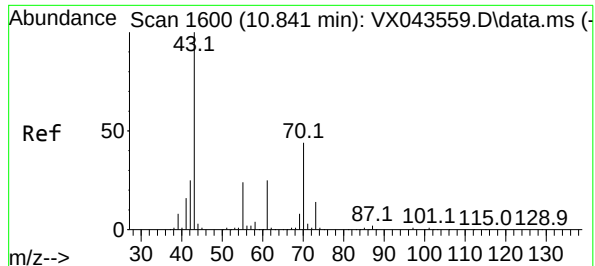


#73
Isopropylbenzene
Concen: 0.985 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59



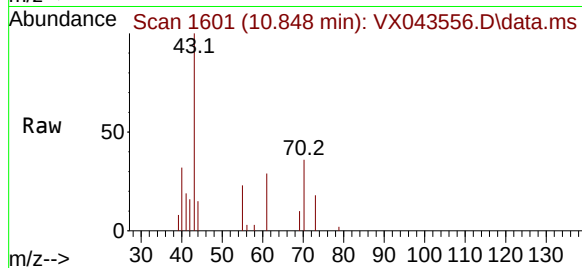
Tgt Ion:105 Resp: 7996
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6





#74
N-amy1 acetate
Concen: 0.915 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

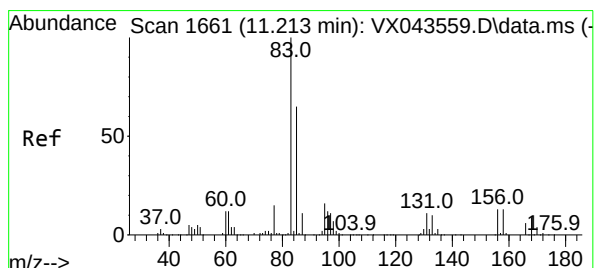
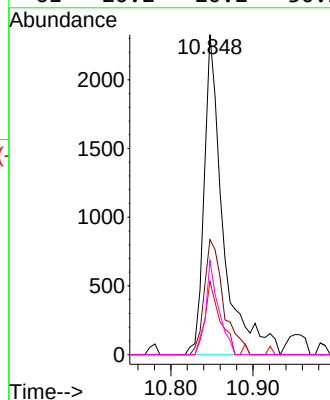
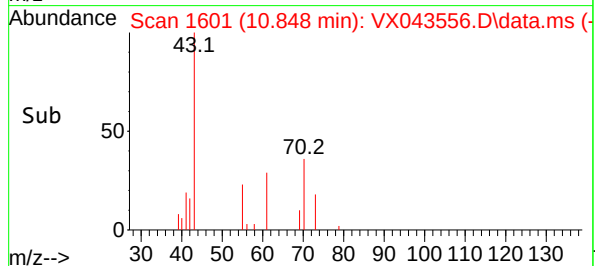
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 3739
Ion Ratio Lower Upper
43 100
70 36.6 34.6 52.0
55 18.1 19.6 29.4
61 20.2 20.2 30.2

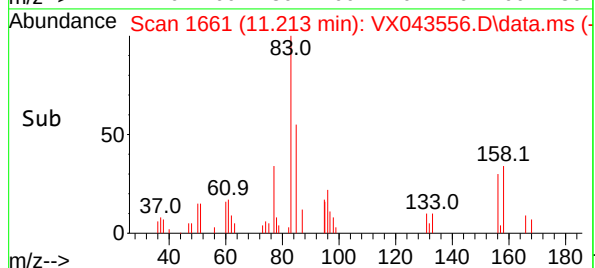
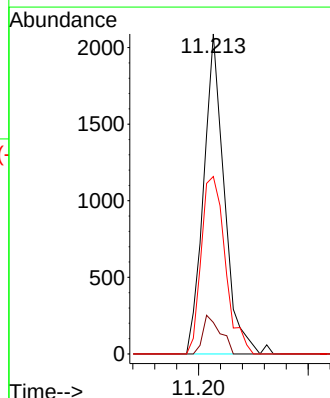
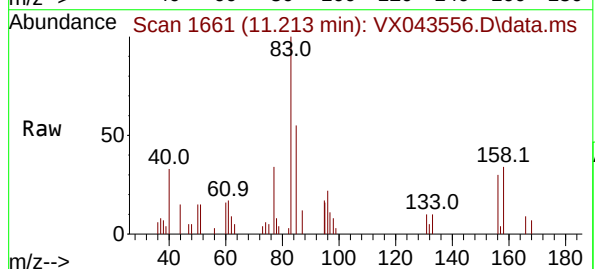
Manual Integrations
APPROVED

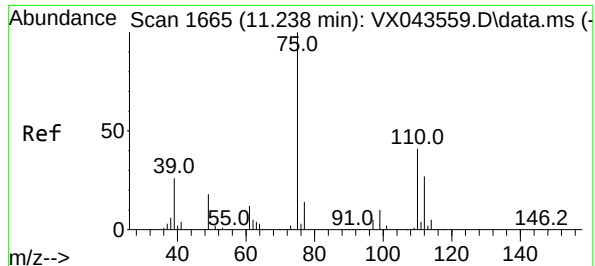
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#75
1,1,2,2-Tetrachloroethane
Concen: 0.884 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 83 Resp: 2747
Ion Ratio Lower Upper
83 100
131 10.2 5.3 15.9
85 64.2 32.4 97.0





#76

1,2,3-Trichloropropane

Concen: 0.799 ug/l m

RT: 11.244 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 2108

Ion Ratio Lower Upper

75 100

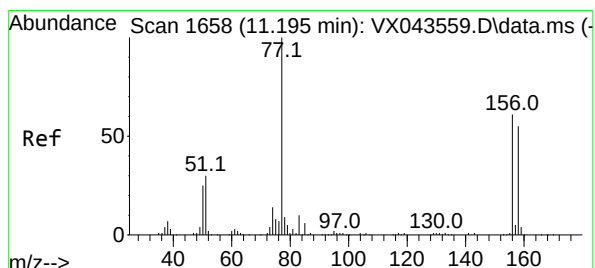
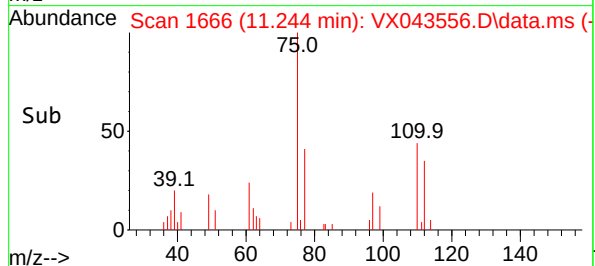
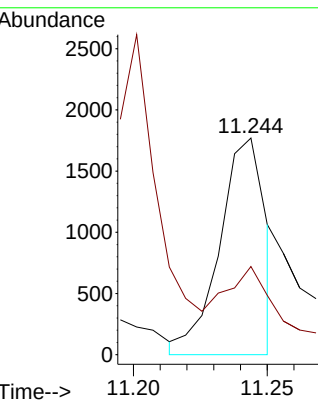
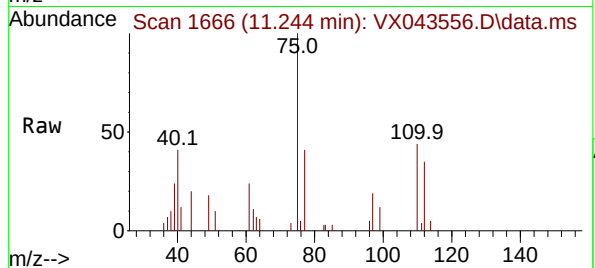
77 55.4 22.4 67.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#77

Bromobenzene

Concen: 1.010 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

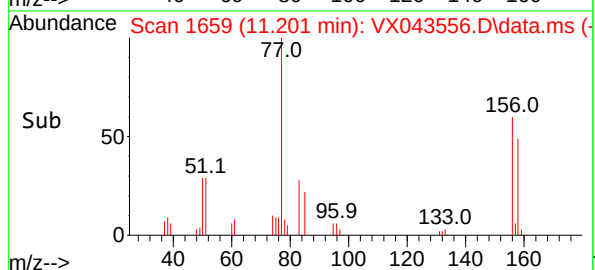
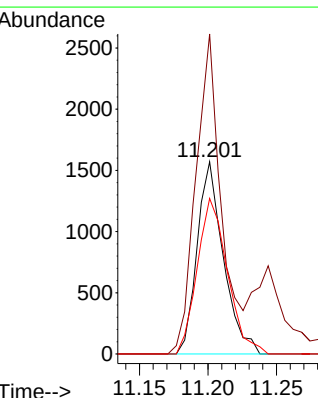
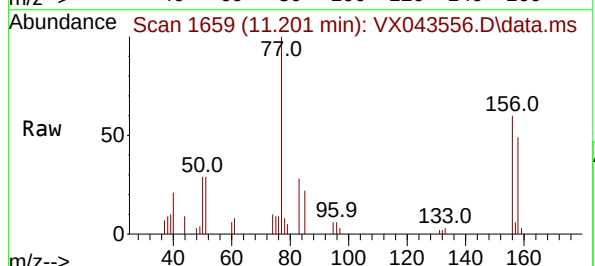
Tgt Ion:156 Resp: 2093

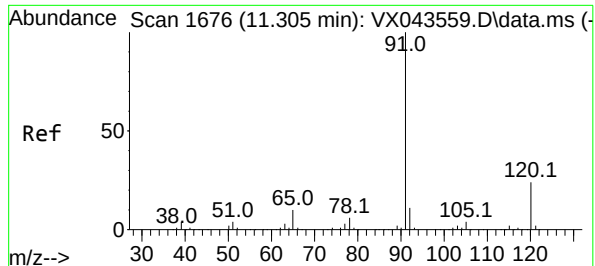
Ion Ratio Lower Upper

156 100

77 160.7 79.7 239.1

158 92.8 48.0 144.0





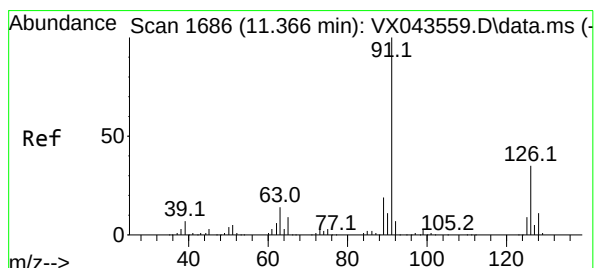
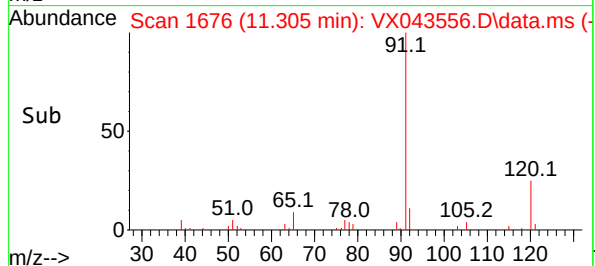
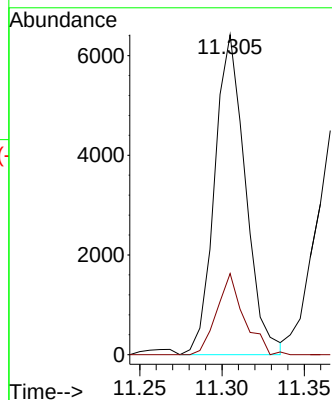
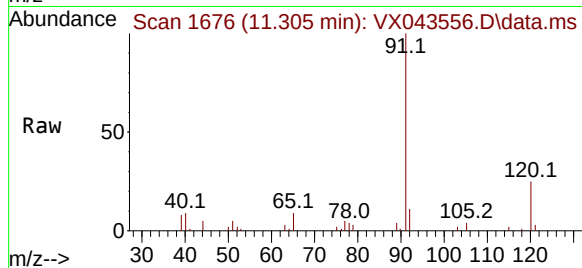
#78
n-propylbenzene
Concen: 0.966 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 8350
Ion Ratio Lower Upper
91 100
120 22.3 11.6 34.7

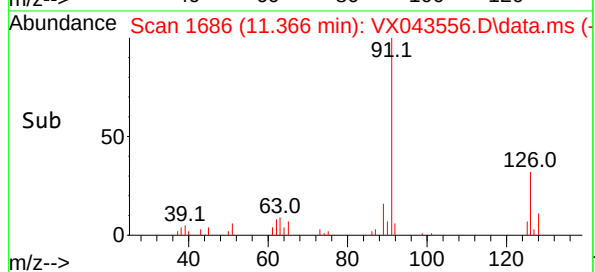
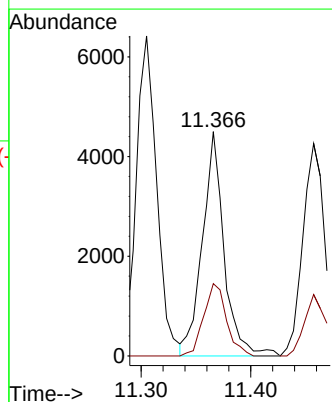
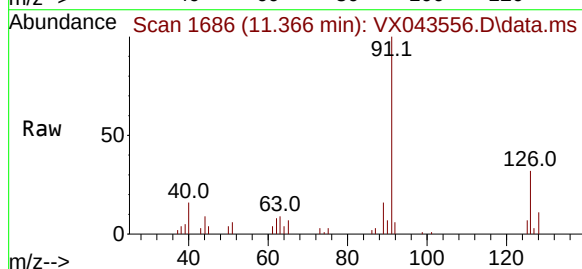
Manual Integrations
APPROVED

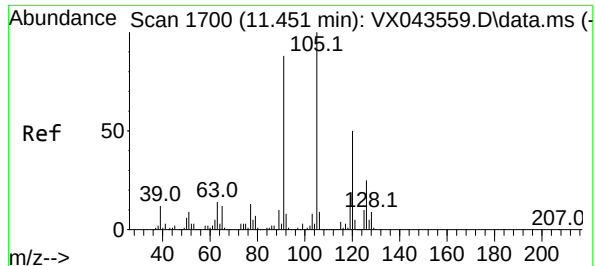
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#79
2-Chlorotoluene
Concen: 1.066 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

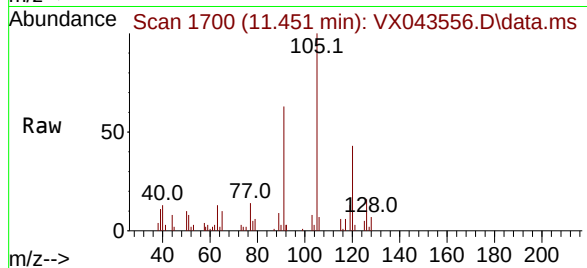
Tgt Ion: 91 Resp: 6183
Ion Ratio Lower Upper
91 100
126 33.9 16.7 50.0





#80
1,3,5-Trimethylbenzene
Concen: 0.930 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

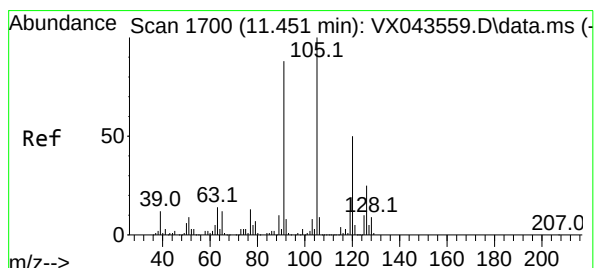
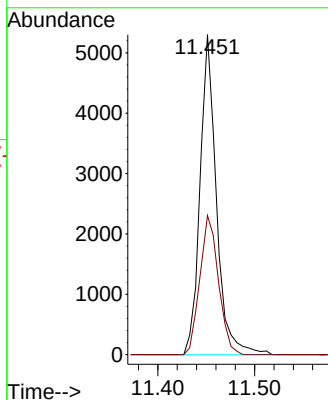
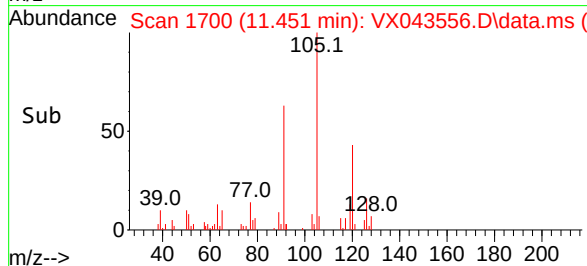
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



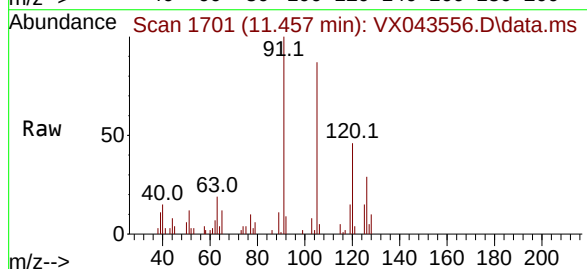
Tgt Ion:105 Resp: 6268
Ion Ratio Lower Upper
105 100
120 49.2 23.8 71.5

Manual Integrations
APPROVED

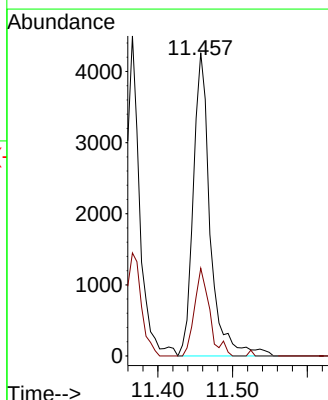
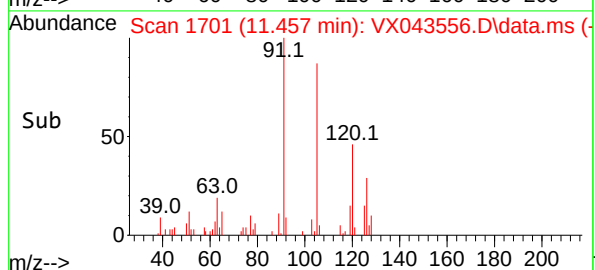
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

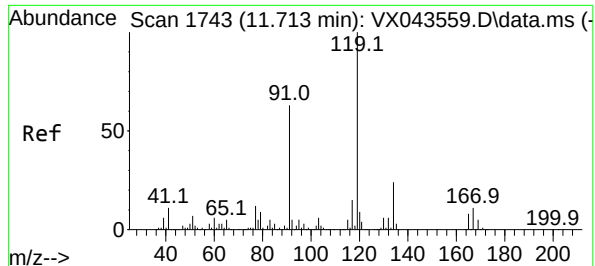


#82
4-Chlorotoluene
Concen: 1.043 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59



Tgt Ion: 91 Resp: 6699
Ion Ratio Lower Upper
91 100
126 25.9 14.2 42.8





#83

tert-Butylbenzene

Concen: 0.953 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

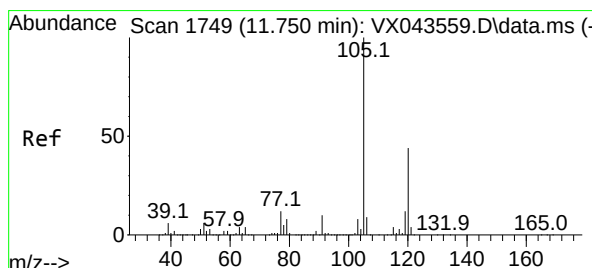
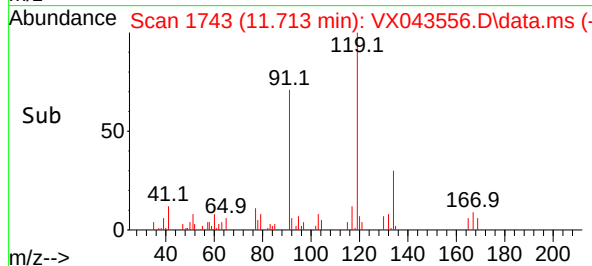
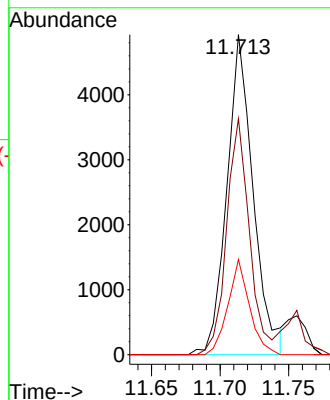
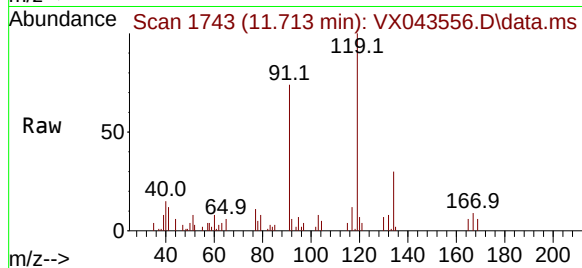
VSTDICC001

Tgt Ion:	119	Resp:	655
Ion	Ratio	Lower	Upper
119	100		
91	64.2	29.5	88.5
134	24.6	11.8	35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#84

1,2,4-Trimethylbenzene

Concen: 0.916 ug/l

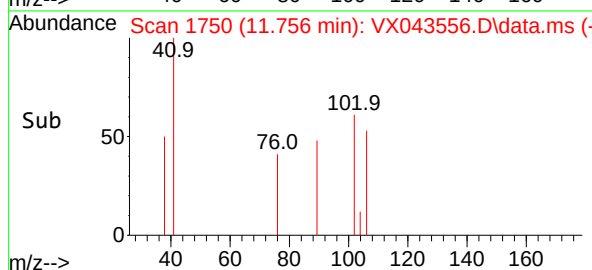
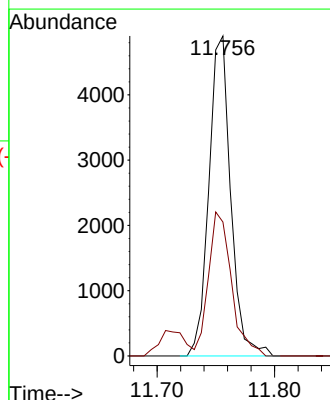
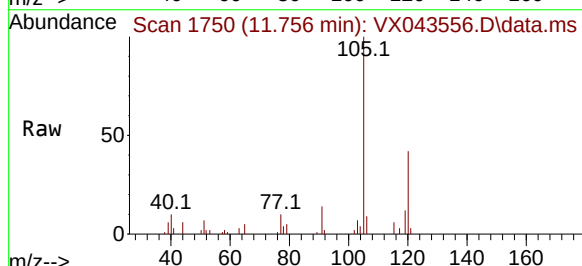
RT: 11.756 min Scan# 1750

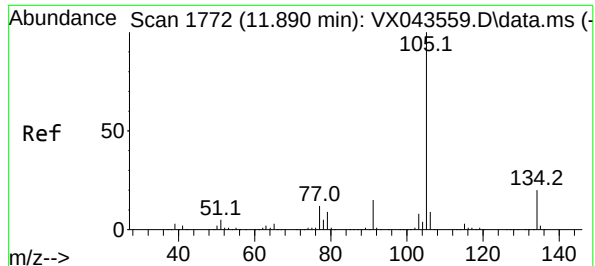
Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Tgt Ion:	105	Resp:	6312
Ion	Ratio	Lower	Upper
105	100		
120	47.4	22.1	66.1





#85

sec-Butylbenzene

Concen: 0.940 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 748

Ion Ratio Lower Upper

105 100

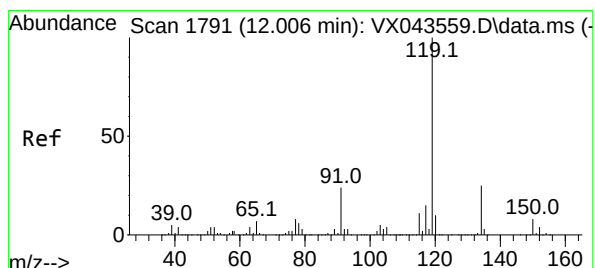
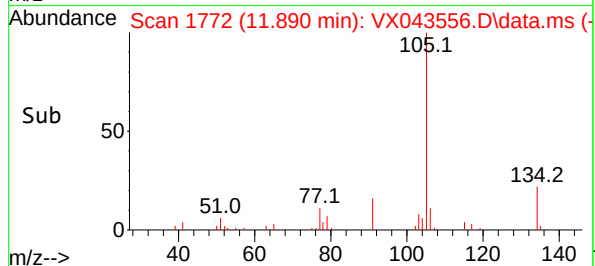
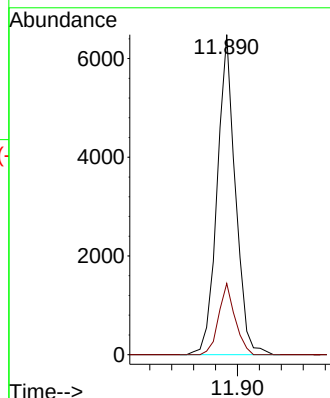
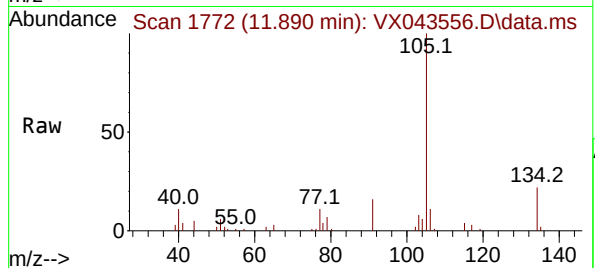
134 20.0 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#86

p-Isopropyltoluene

Concen: 0.944 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

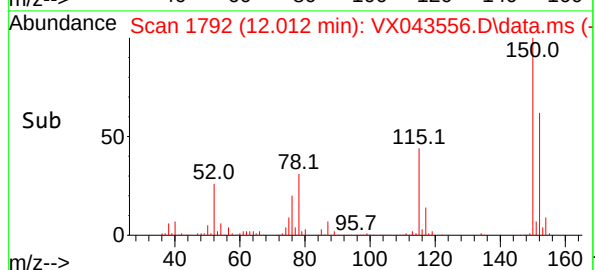
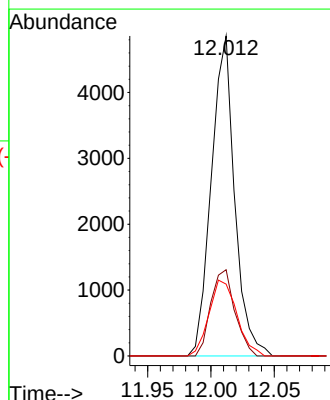
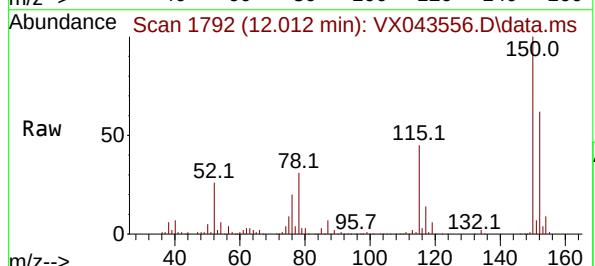
Tgt Ion:119 Resp: 6224

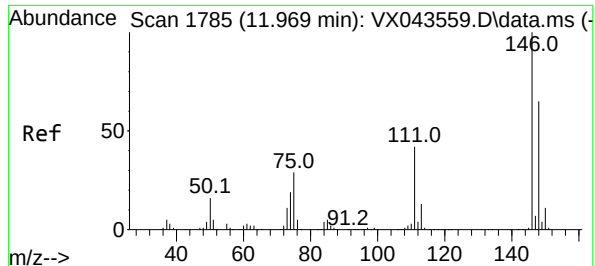
Ion Ratio Lower Upper

119 100

134 27.8 13.1 39.1

91 28.2 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 1.005 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

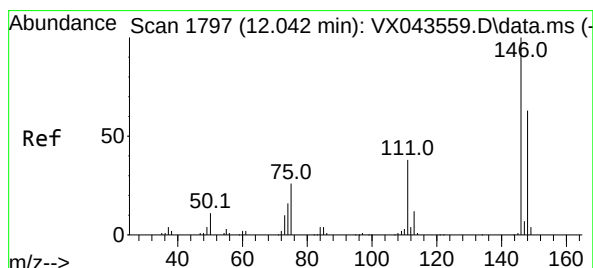
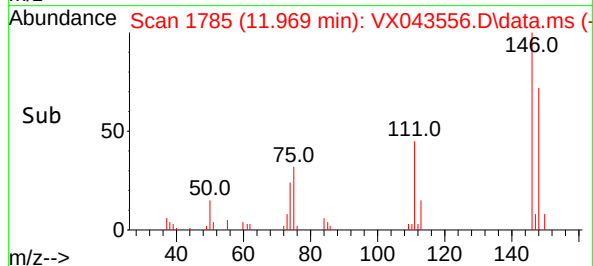
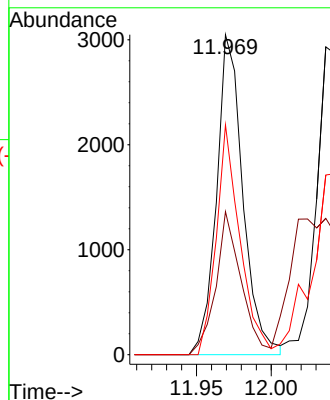
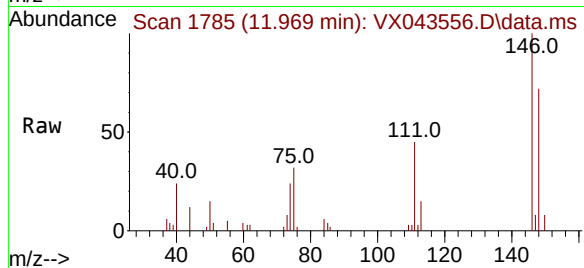
VSTDICC001

Tgt Ion:146	Resp:	3734
Ion	Ratio	Lower Upper
146	100	
111	43.2	21.1 63.4
148	64.8	31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#88

1,4-Dichlorobenzene

Concen: 1.162 ug/l m

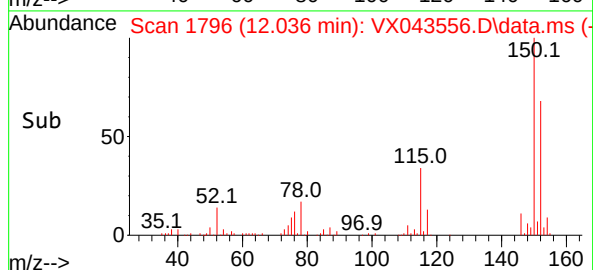
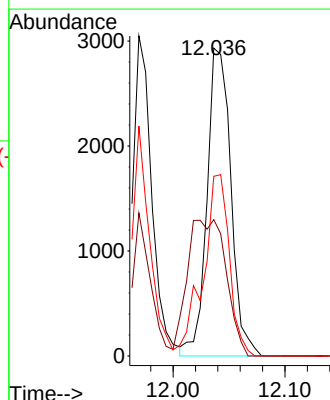
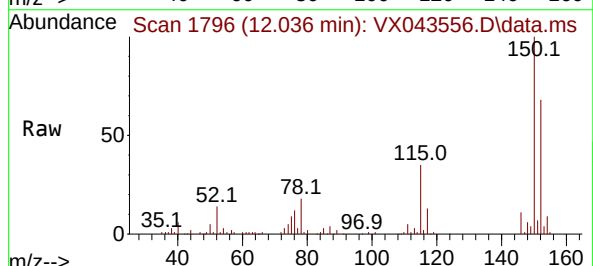
RT: 12.036 min Scan# 1796

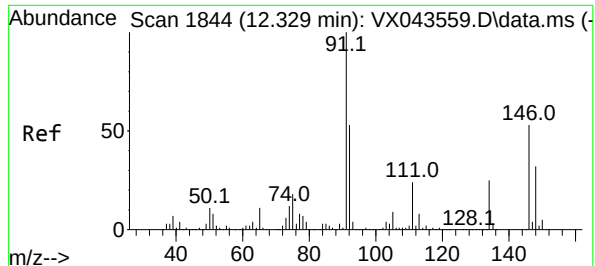
Delta R.T. -0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Tgt Ion:146	Resp:	4352
Ion	Ratio	Lower Upper
146	100	
111	37.0	20.4 61.3
148	55.6	31.9 95.9





#89

n-Butylbenzene

Concen: 0.899 ug/l

RT: 12.335 min Scan# 1844

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 91 Resp: 480

Ion Ratio Lower Upper

91 100

92 47.7 27.1 81.2

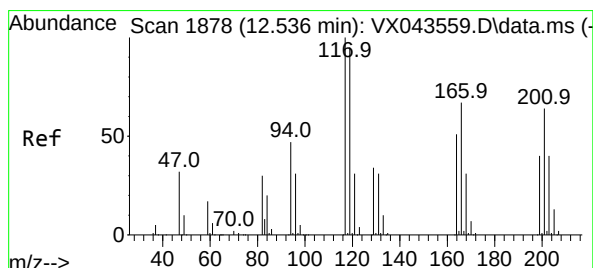
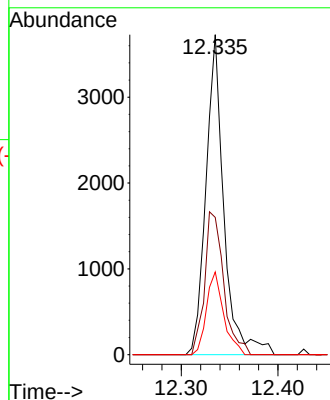
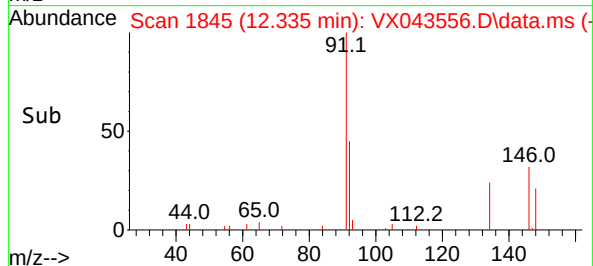
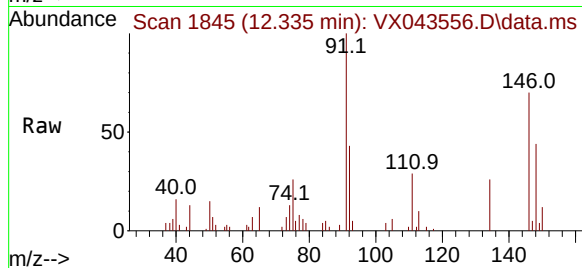
134 24.9 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#90

Hexachloroethane

Concen: 0.868 ug/l

RT: 12.530 min Scan# 1877

Delta R.T. -0.006 min

Lab File: VX043556.D

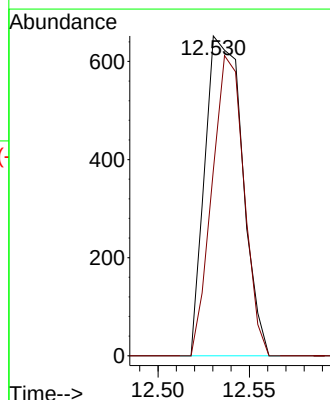
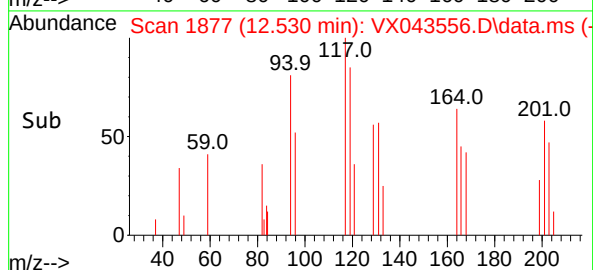
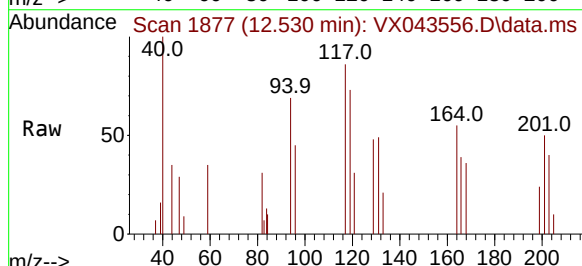
Acq: 28 Oct 2024 10:59

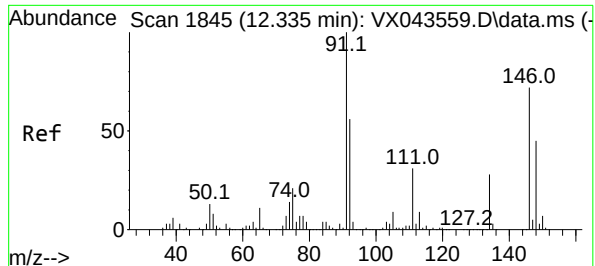
Tgt Ion:117 Resp: 926

Ion Ratio Lower Upper

117 100

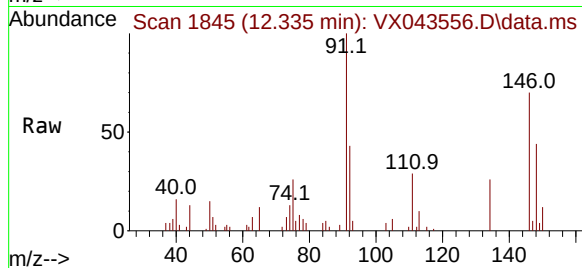
201 80.3 32.9 98.7





#91
1,2-Dichlorobenzene
Concen: 0.970 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

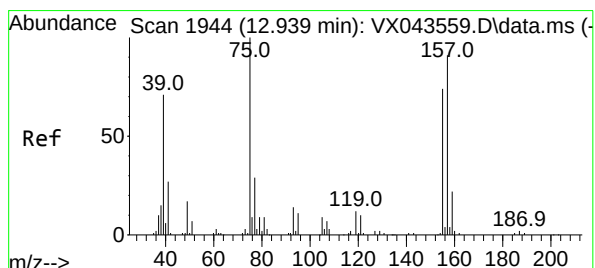
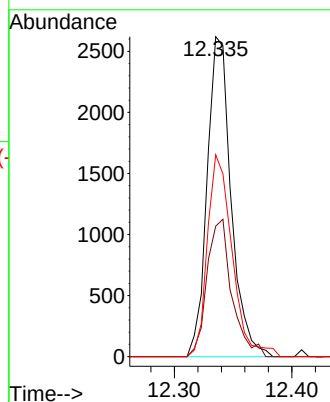
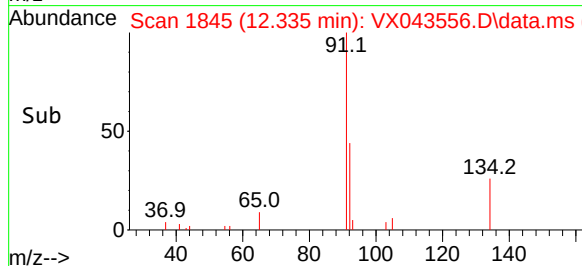
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:146 Resp: 3719
Ion Ratio Lower Upper
146 100
111 44.4 21.6 64.6
148 65.0 31.6 95.0

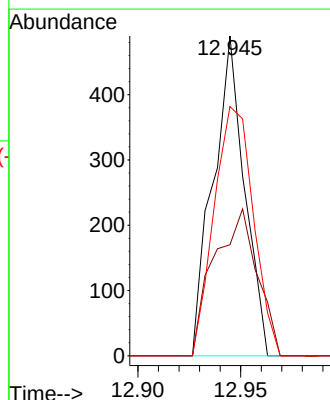
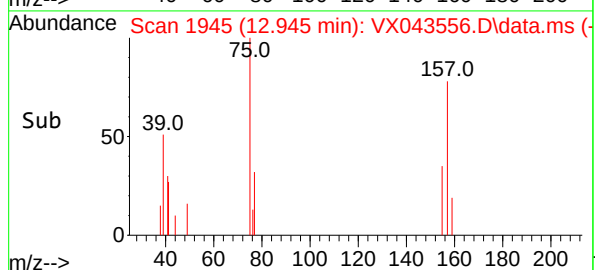
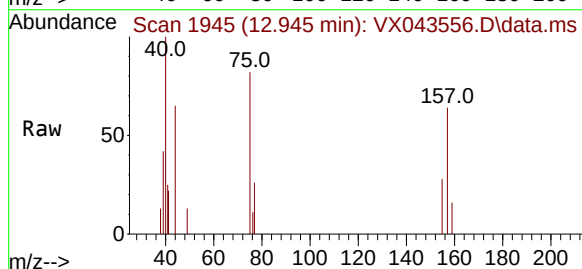
Manual Integrations
APPROVED

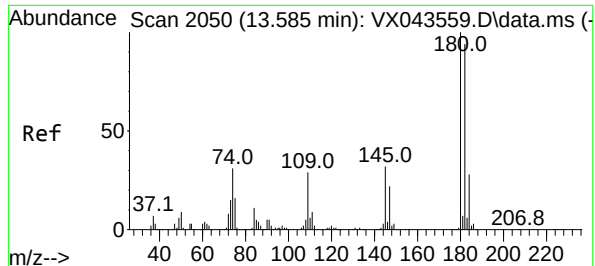
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.785 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 75 Resp: 519
Ion Ratio Lower Upper
75 100
155 63.2 40.1 120.3
157 97.7 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 0.876 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

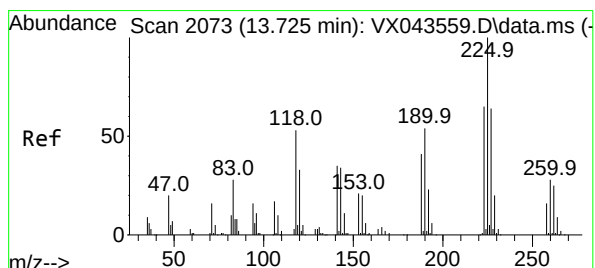
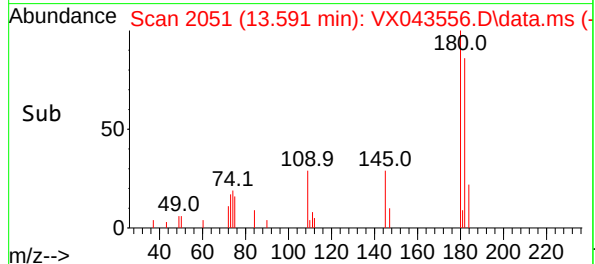
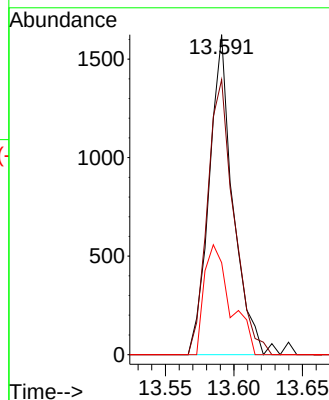
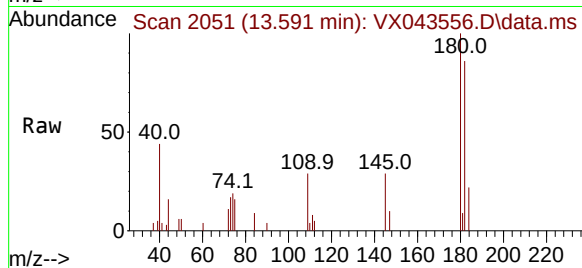
VSTDICC001

Tgt Ion:	180	Resp:	196
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.8	140.4
145	37.9	16.1	48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#94

Hexachlorobutadiene

Concen: 1.119 ug/l

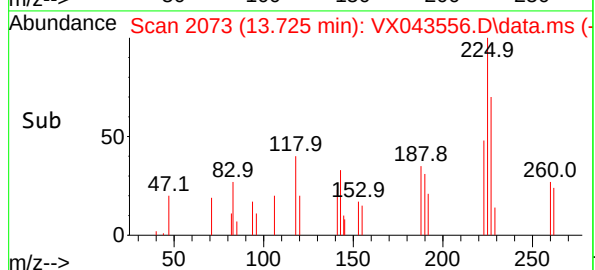
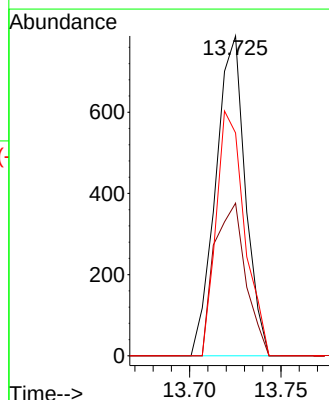
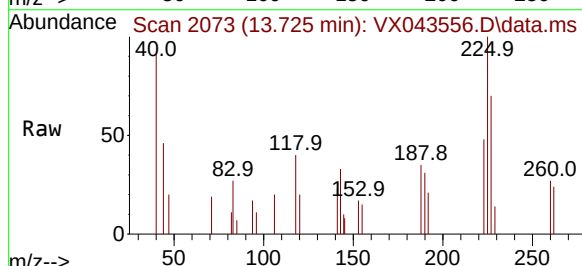
RT: 13.725 min Scan# 2073

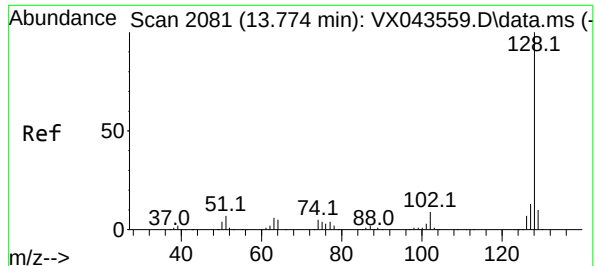
Delta R.T. 0.000 min

Lab File: VX043556.D

Acq: 28 Oct 2024 10:59

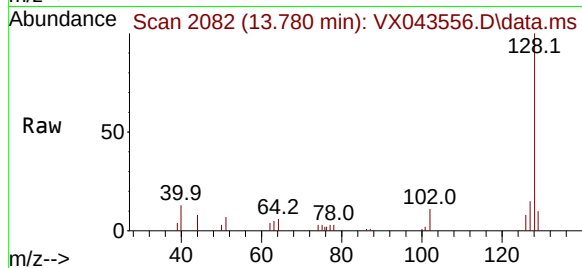
Tgt Ion:	225	Resp:	889
Ion	Ratio	Lower	Upper
225	100		
223	50.4	30.8	92.4
227	73.3	31.6	94.8





#95
Naphthalene
Concen: 0.801 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

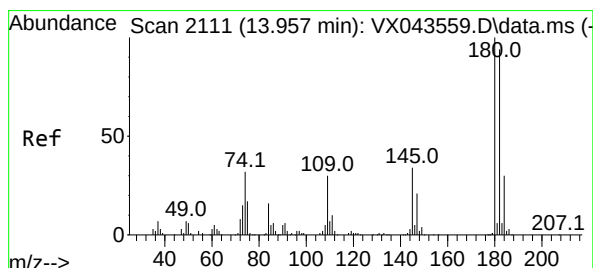
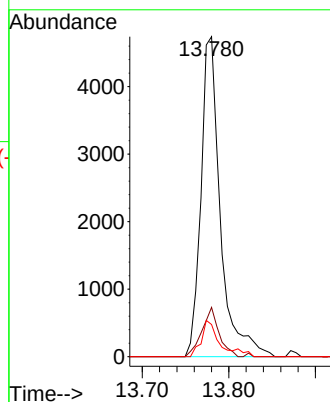
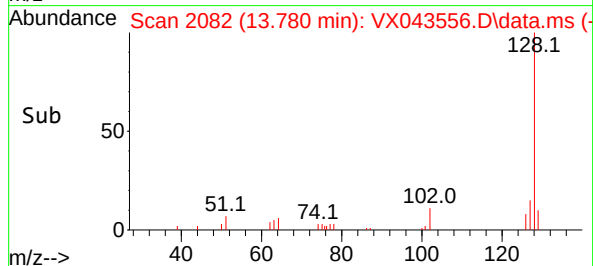
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:128 Resp: 737
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.4
129 10.8 8.7 13.1

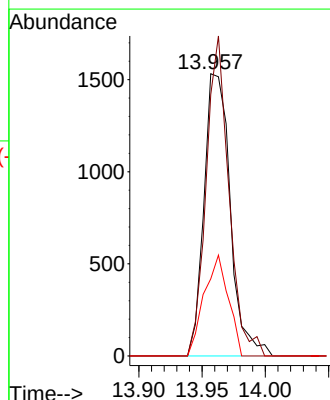
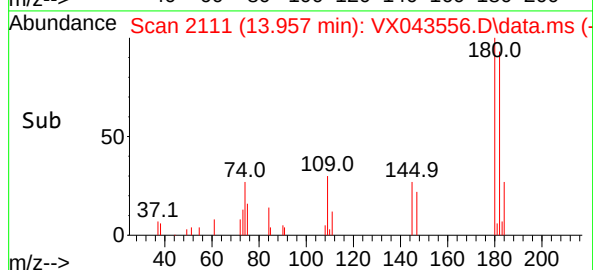
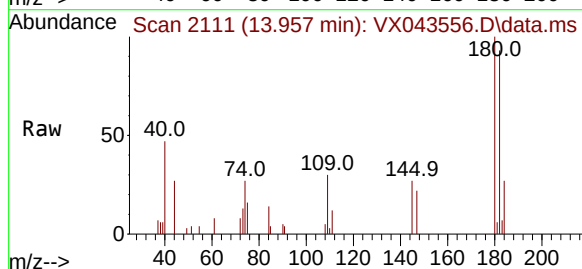
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 0.943 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:180 Resp: 2215
Ion Ratio Lower Upper
180 100
182 98.2 47.1 141.3
145 32.8 17.4 52.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043557.D
 Acq On : 28 Oct 2024 11:22
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
 Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	155093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	287211	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	250063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	13988	5.686	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.380%#		
35) Dibromofluoromethane	5.385	113	10276	5.373	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.740%#		
50) Toluene-d8	8.647	98	36059	5.438	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.880%#		
62) 4-Bromofluorobenzene	11.079	95	12799	5.284	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.560%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	8579	4.962	ug/l	96
3) Chloromethane	1.295	50	10900	4.942	ug/l	95
4) Vinyl Chloride	1.374	62	10451	5.202	ug/l	99
5) Bromomethane	1.599	94	4136	5.271	ug/l	92
6) Chloroethane	1.660	64	3330	5.066	ug/l #	82
7) Trichlorofluoromethane	1.861	101	12037	4.565	ug/l	96
8) Diethyl Ether	2.136	74	5822	5.055	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.313	101	8472	5.091	ug/l	98
10) Methyl Iodide	2.441	142	11260	4.886	ug/l	100
11) Tert butyl alcohol	3.038	59	10188	19.389	ug/l #	100
12) 1,1-Dichloroethene	2.300	96	8606	5.260	ug/l	91
13) Acrolein	2.239	56	9609	23.207	ug/l	99
14) Allyl chloride	2.654	41	13656	4.703	ug/l	96
15) Acrylonitrile	3.075	53	25966	22.307	ug/l	99
16) Acetone	2.392	43	24830	23.644	ug/l	99
17) Carbon Disulfide	2.496	76	15112	4.462	ug/l #	95
18) Methyl Acetate	2.709	43	14366	4.552	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	31411	4.934	ug/l	99
20) Methylene Chloride	2.782	84	10845	5.284	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	8639	4.877	ug/l	95
22) Diisopropyl ether	3.764	45	30888	5.154	ug/l #	86
23) Vinyl Acetate	3.721	43	119942	24.227	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17144	5.072	ug/l	98
25) 2-Butanone	4.581	43	35818	22.456	ug/l	98
26) 2,2-Dichloropropane	4.471	77	14180	5.820	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	11158	5.055	ug/l	98
28) Bromochloromethane	4.904	49	8209	4.909	ug/l	97
29) Tetrahydrofuran	5.026	42	23624	22.684	ug/l	97
30) Chloroform	5.093	83	18141	5.019	ug/l	95
31) Cyclohexane	5.458	56	13335	4.972	ug/l	88
32) 1,1,1-Trichloroethane	5.379	97	14721	4.846	ug/l	98
36) 1,1-Dichloropropene	5.690	75	11382	5.029	ug/l	98
37) Ethyl Acetate	4.733	43	11948	3.868	ug/l #	94
38) Carbon Tetrachloride	5.672	117	12706	4.940	ug/l	99
39) Methylcyclohexane	7.379	83	14623	5.038	ug/l	94
40) Benzene	6.038	78	40098	5.300	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043557.D
 Acq On : 28 Oct 2024 11:22
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
 Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	6345	4.083	ug/l #	81
42) 1,2-Dichloroethane	6.092	62	14018	5.037	ug/l	99
43) Isopropyl Acetate	6.355	43	23242	4.756	ug/l	99
44) Trichloroethene	7.123	130	9917	5.528	ug/l	93
45) 1,2-Dichloropropane	7.434	63	9734	5.268	ug/l	91
46) Dibromomethane	7.586	93	7576	5.337	ug/l	96
47) Bromodichloromethane	7.818	83	11922	4.735	ug/l	99
48) Methyl methacrylate	7.702	41	10543	4.621	ug/l	95
49) 1,4-Dioxane	7.690	88	4322	73.737	ug/l	88
51) 4-Methyl-2-Pentanone	8.580	43	71301	23.028	ug/l	98
52) Toluene	8.720	92	23888	5.121	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	12164	4.773	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	14227	5.084	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	9807	4.982	ug/l	97
56) Ethyl methacrylate	9.122	69	14989	4.712	ug/l	99
57) 1,3-Dichloropropane	9.311	76	16567	5.097	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.245	63	36952	23.613	ug/l	98
59) 2-Hexanone	9.439	43	52944	22.614	ug/l	99
60) Dibromochloromethane	9.519	129	8314	4.514	ug/l	96
61) 1,2-Dibromoethane	9.610	107	10094	5.087	ug/l	98
64) Tetrachloroethene	9.275	164	8068	5.154	ug/l	91
65) Chlorobenzene	10.080	112	27763	5.337	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	8622	4.907	ug/l	96
67) Ethyl Benzene	10.195	91	44094	5.095	ug/l	98
68) m/p-Xylenes	10.299	106	33988	10.367	ug/l	96
69) o-Xylene	10.640	106	17462	5.181	ug/l	98
70) Styrene	10.659	104	26381	4.836	ug/l	96
71) Bromoform	10.799	173	5147	4.345	ug/l #	98
73) Isopropylbenzene	10.964	105	41185	5.155	ug/l	99
74) N-amyl acetate	10.848	43	19116	4.750	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	15141	4.947	ug/l	95
76) 1,2,3-Trichloropropane	11.238	75	13527m	5.206	ug/l	
77) Bromobenzene	11.201	156	10564	5.179	ug/l	97
78) n-propylbenzene	11.305	91	42687	5.013	ug/l	99
79) 2-Chlorotoluene	11.366	91	29923	5.237	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	34706	5.232	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	3243	3.808	ug/l #	82
82) 4-Chlorotoluene	11.457	91	32648	5.163	ug/l	98
83) tert-Butylbenzene	11.713	119	34653	5.122	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	34775	5.125	ug/l	98
85) sec-Butylbenzene	11.890	105	39786	5.078	ug/l	99
86) p-Isopropyltoluene	12.006	119	33359	5.139	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	18951	5.178	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	19222	5.210	ug/l	93
89) n-Butylbenzene	12.329	91	24922	4.736	ug/l	98
90) Hexachloroethane	12.536	117	4704	4.480	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	19394	5.139	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	2456	3.771	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	11267	5.098	ug/l	98
94) Hexachlorobutadiene	13.725	225	4097	5.239	ug/l	96
95) Naphthalene	13.774	128	41834	4.613	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	11815	5.110	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

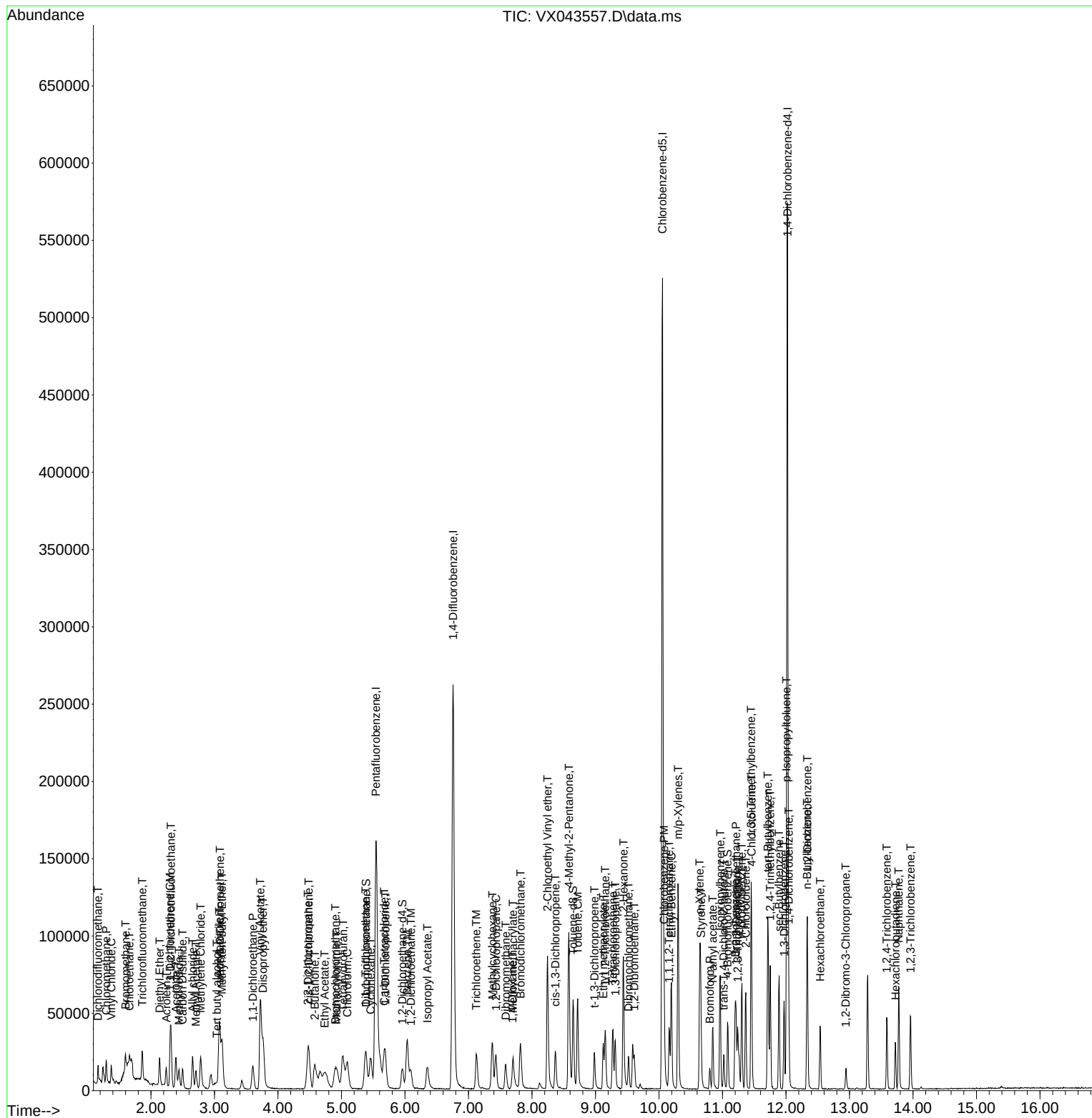
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Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

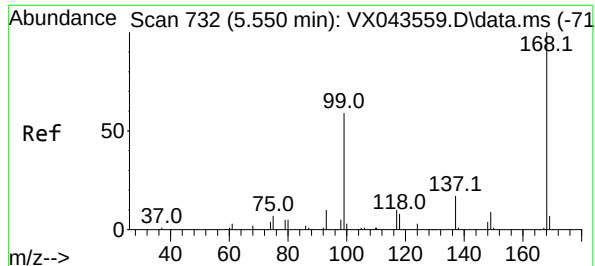
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

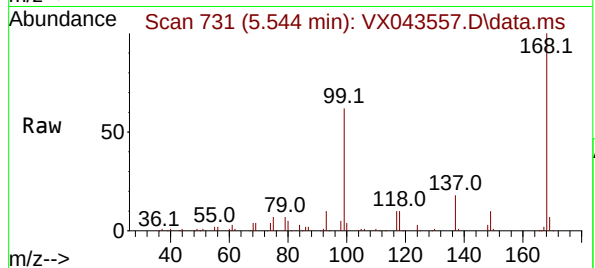
Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

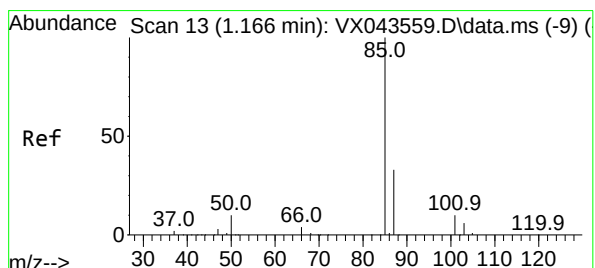
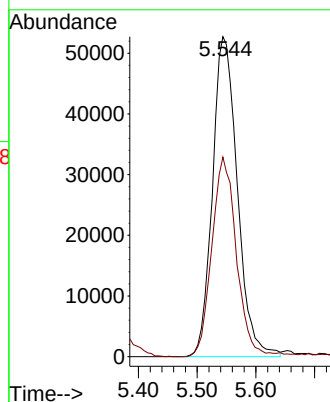
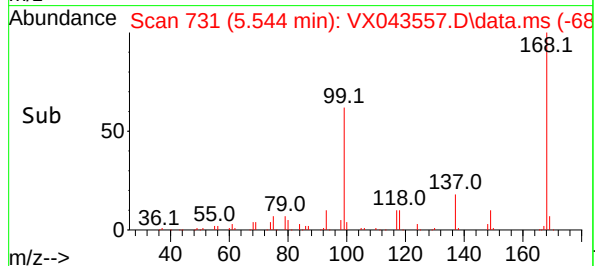
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:168 Resp: 15509
Ion Ratio Lower Upper
168 100
99 62.3 52.6 78.8

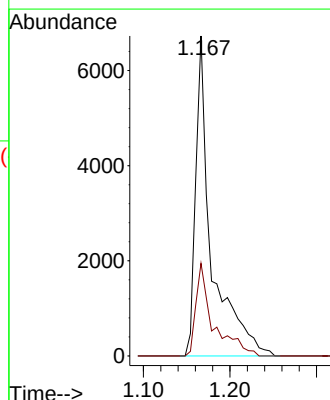
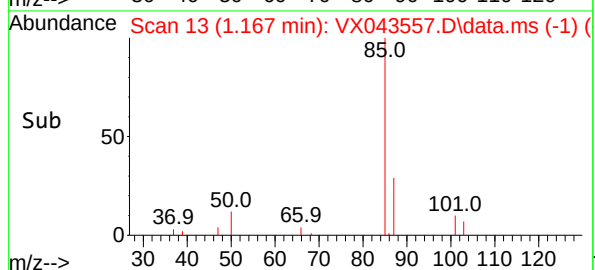
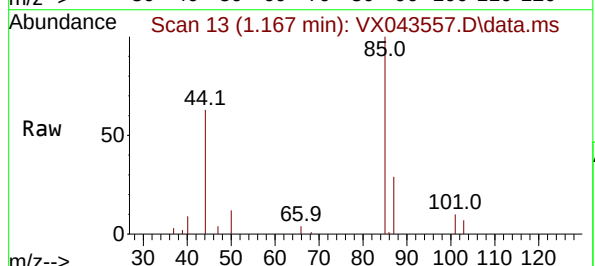
Manual Integrations
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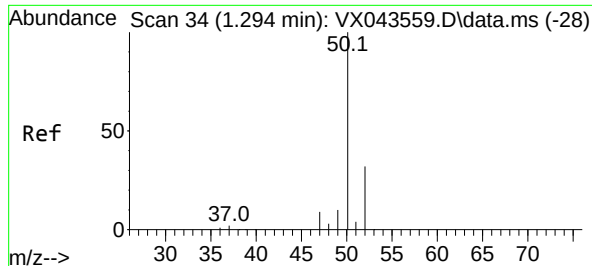
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#2
Dichlorodifluoromethane
Concen: 4.962 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 85 Resp: 8579
Ion Ratio Lower Upper
85 100
87 28.9 15.7 47.0





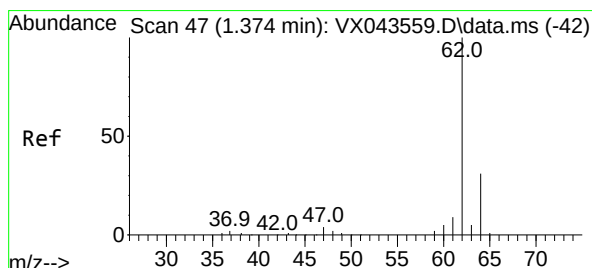
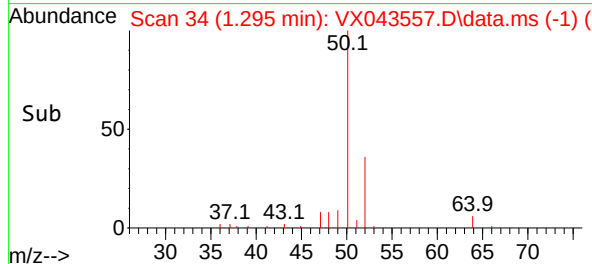
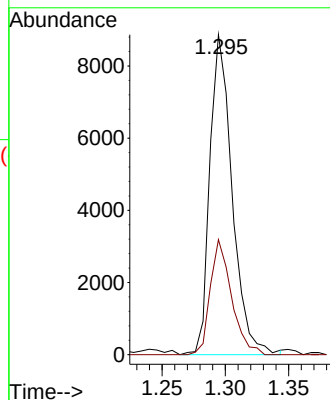
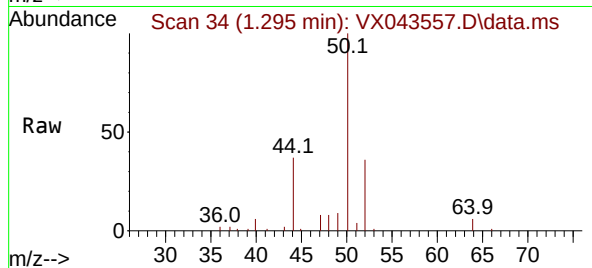
#3
Chloromethane
Concen: 4.942 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 10900
Ion Ratio Lower Upper
50 100
52 36.0 26.3 39.5

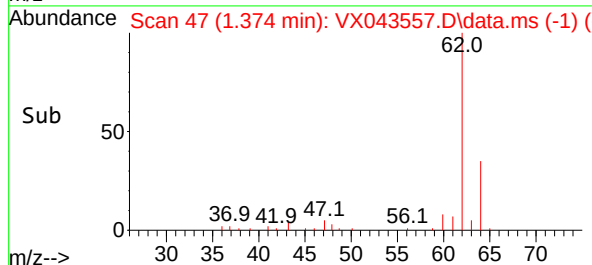
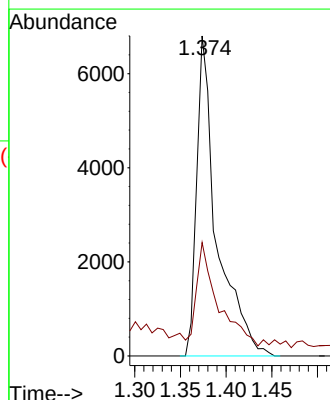
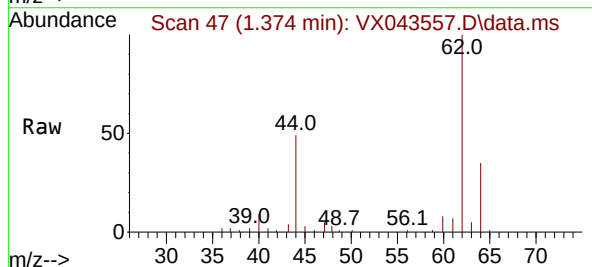
Manual Integrations
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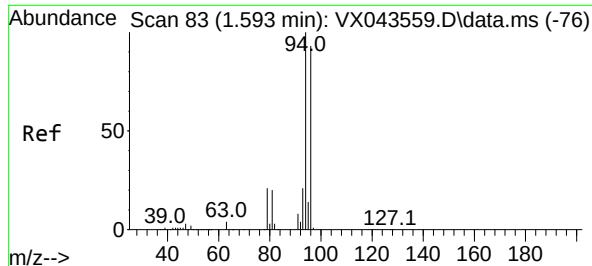
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#4
Vinyl Chloride
Concen: 5.202 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 62 Resp: 10451
Ion Ratio Lower Upper
62 100
64 31.8 25.0 37.4





#5

Bromomethane

Concen: 5.271 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 94 Resp: 4130

Ion Ratio Lower Upper

94 100

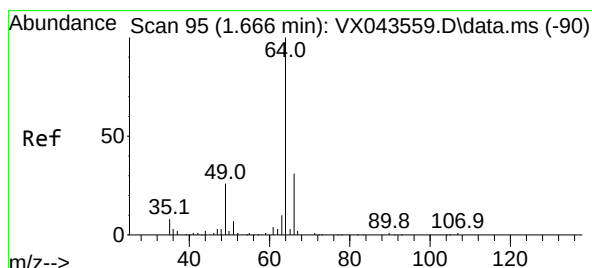
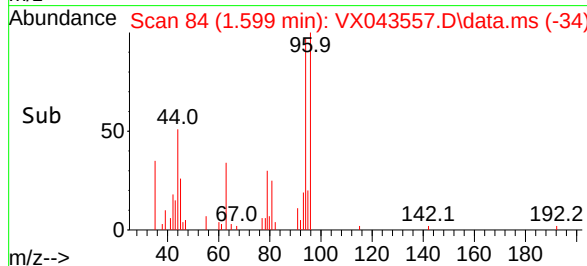
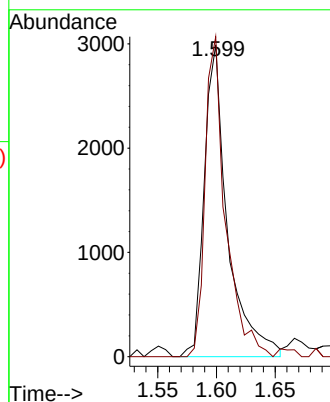
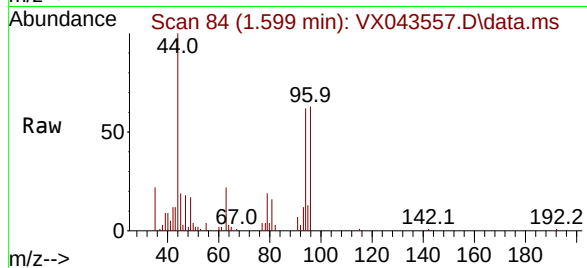
96 102.6 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#6

Chloroethane

Concen: 5.066 ug/l

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX043557.D

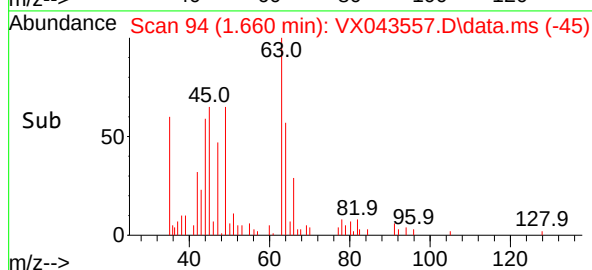
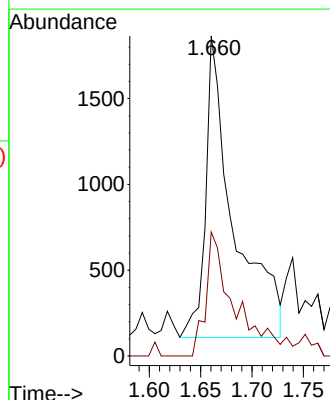
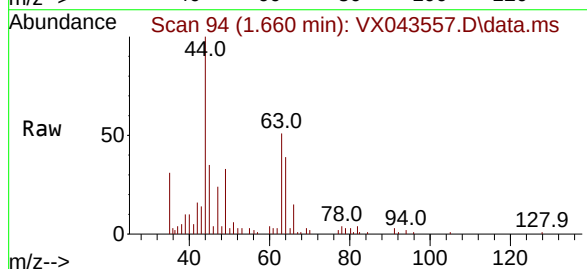
Acq: 28 Oct 2024 11:22

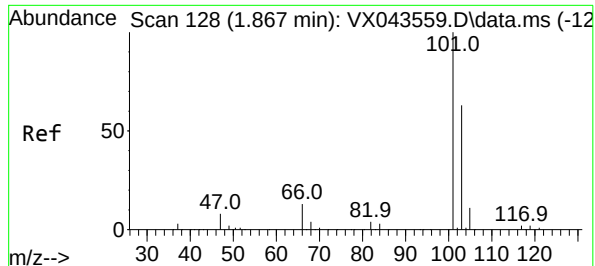
Tgt Ion: 64 Resp: 3330

Ion Ratio Lower Upper

64 100

66 41.1 25.1 37.7#





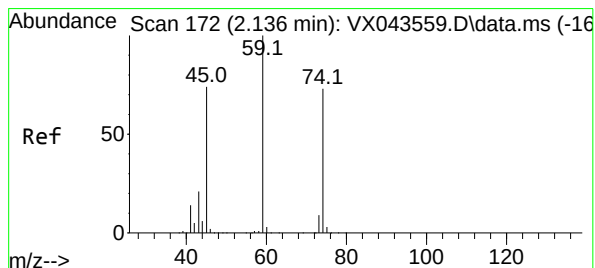
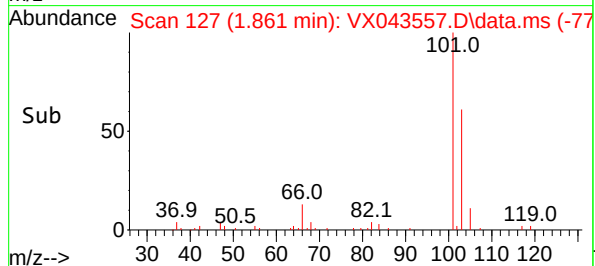
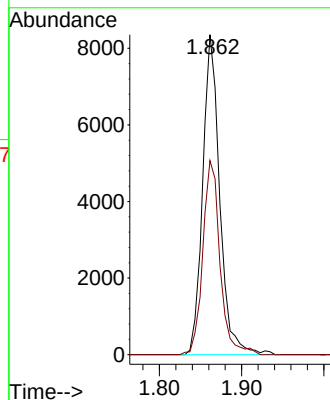
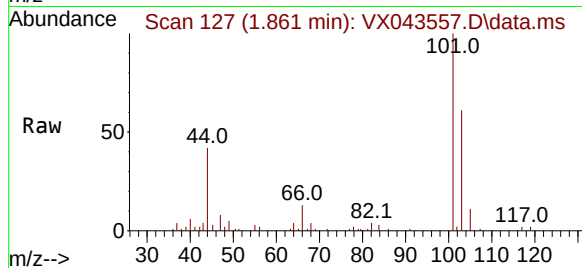
#7
Trichlorofluoromethane
Concen: 4.565 ug/l
RT: 1.861 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 1203
Ion Ratio Lower Upper
101 100
103 60.6 51.3 76.9

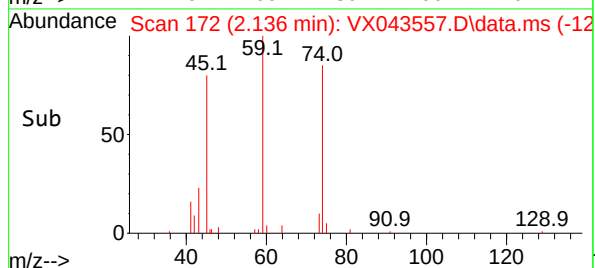
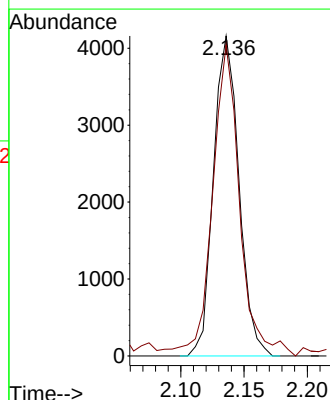
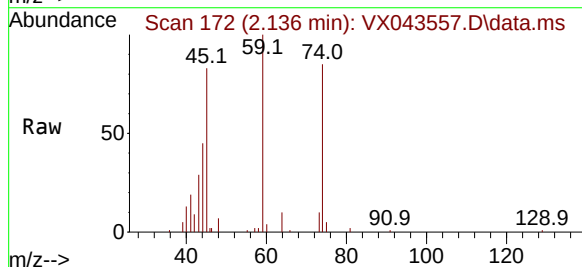
Manual Integrations
APPROVED

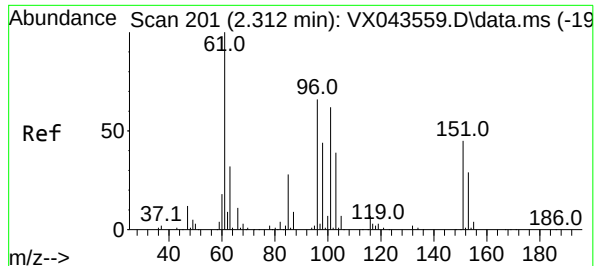
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#8
Diethyl Ether
Concen: 5.055 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 74 Resp: 5822
Ion Ratio Lower Upper
74 100
45 103.4 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.091 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

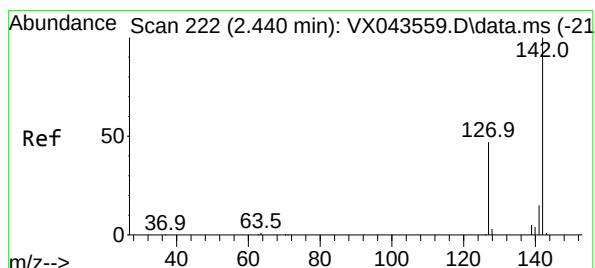
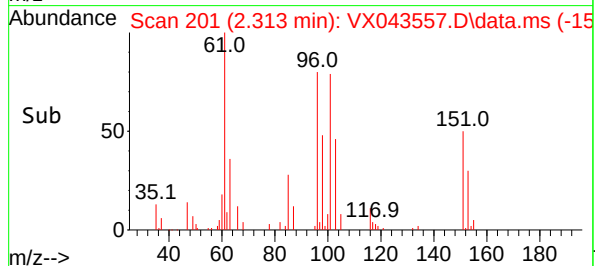
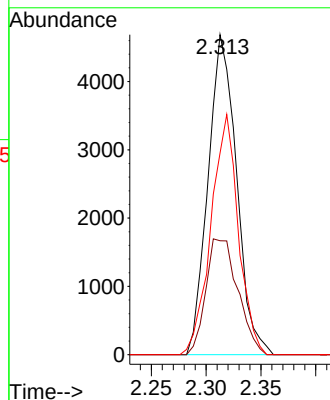
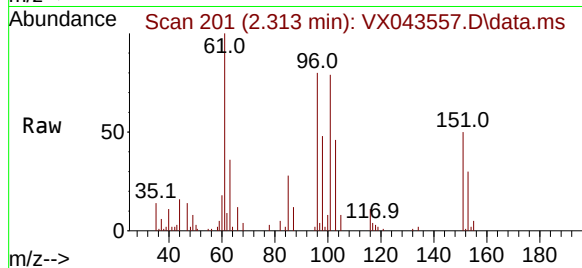
VSTDIC005

Tgt Ion:	101	Resp:	847
Ion	Ratio	Lower	Upper
101	100		
85	40.6	34.5	51.7
151	72.2	58.2	87.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#10

Methyl Iodide

Concen: 4.886 ug/l

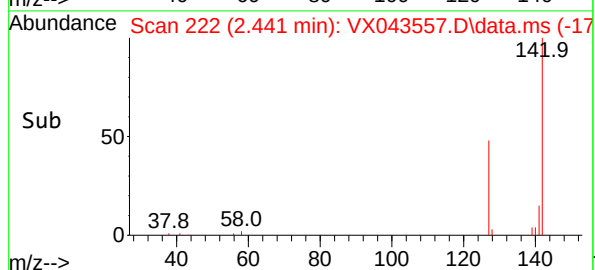
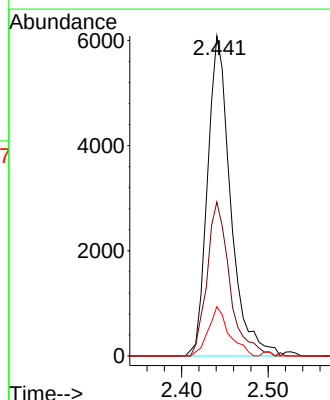
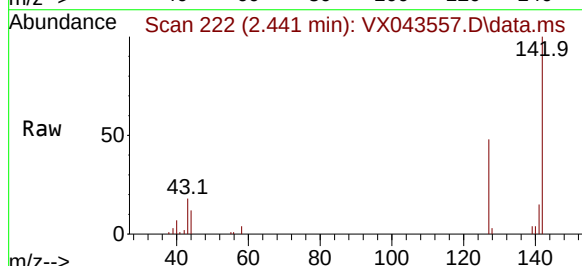
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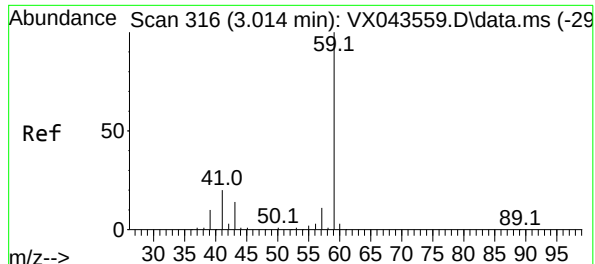
Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Tgt Ion:	142	Resp:	11260
Ion	Ratio	Lower	Upper
142	100		
127	47.6	38.2	57.4
141	14.0	11.5	17.3





#11

Tert butyl alcohol

Concen: 19.389 ug/l

RT: 3.038 min Scan# 316

Delta R.T. -0.012 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 1018

Ion Ratio Lower Upper

59 100

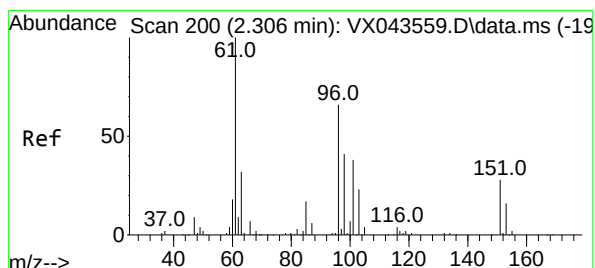
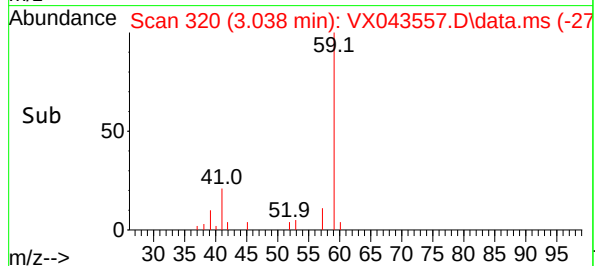
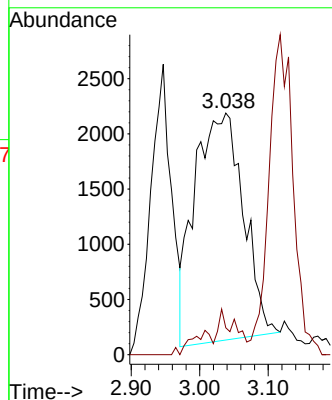
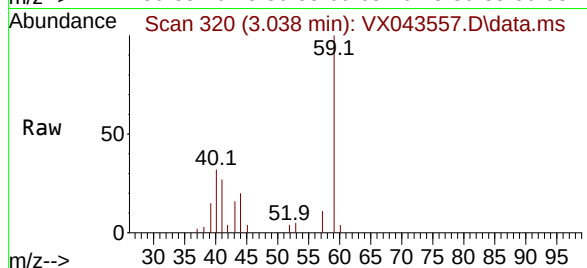
57 3.9 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#12

1,1-Dichloroethene

Concen: 5.260 ug/l

RT: 2.300 min Scan# 199

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

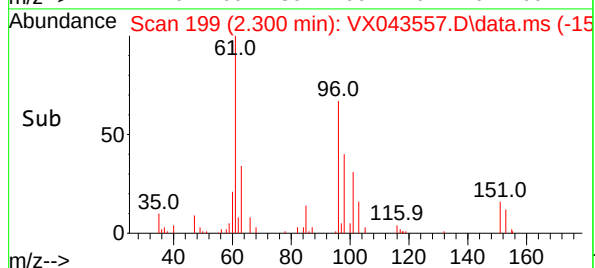
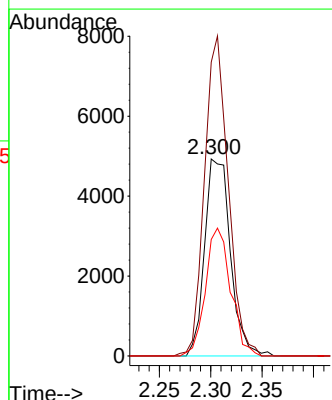
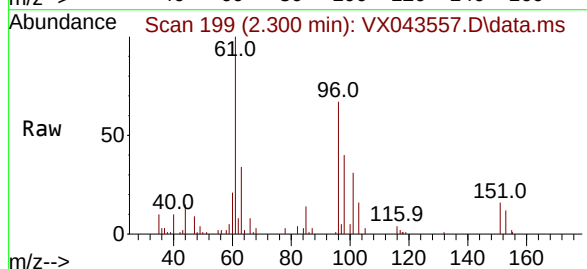
Tgt Ion: 96 Resp: 8606

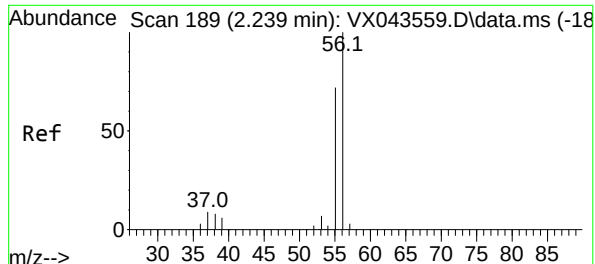
Ion Ratio Lower Upper

96 100

61 149.1 130.2 195.4

98 59.2 51.0 76.6





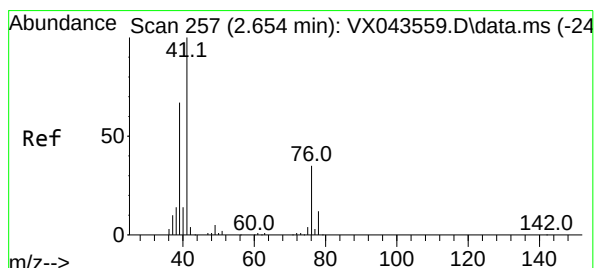
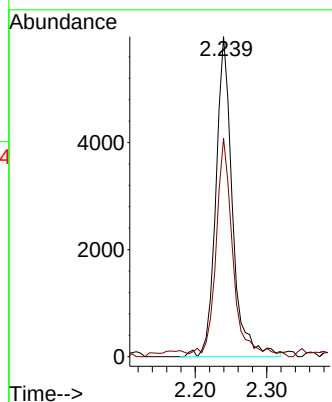
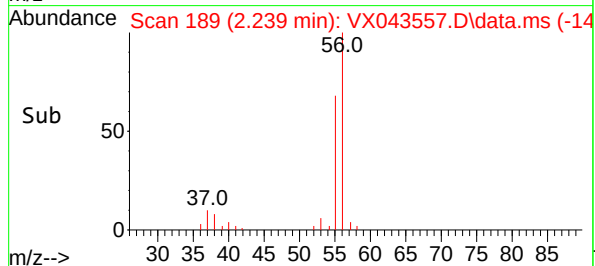
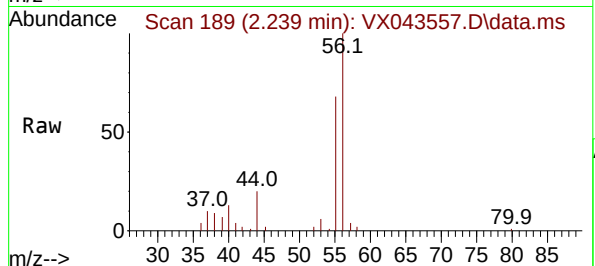
#13
Acrolein
Concen: 23.207 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 9609
Ion Ratio Lower Upper
56 100
55 70.0 55.3 82.9

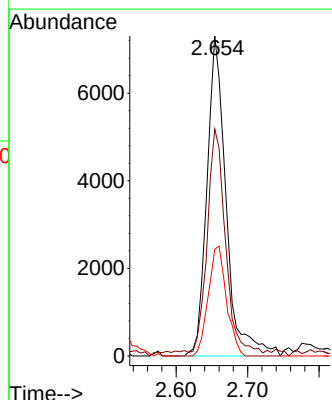
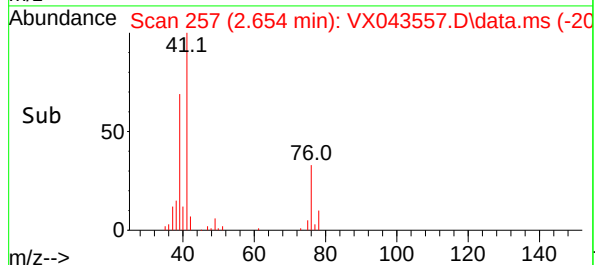
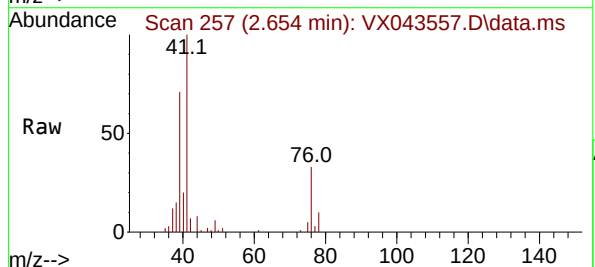
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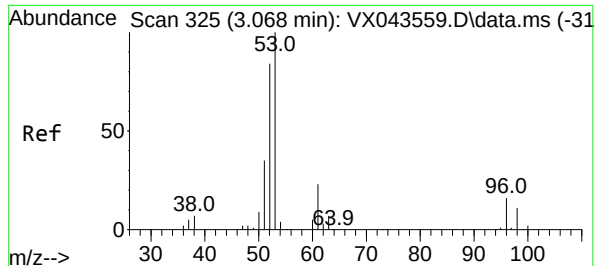
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#14
Allyl chloride
Concen: 4.703 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 41 Resp: 13656
Ion Ratio Lower Upper
41 100
39 70.7 53.2 79.8
76 32.5 27.0 40.6





#15

Acrylonitrile

Concen: 22.307 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 53 Resp: 2596

Ion Ratio Lower Upper

53 100

52 81.4 65.8 98.6

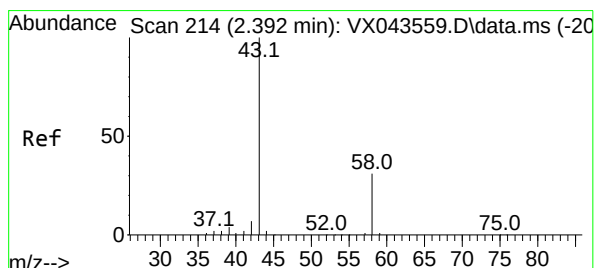
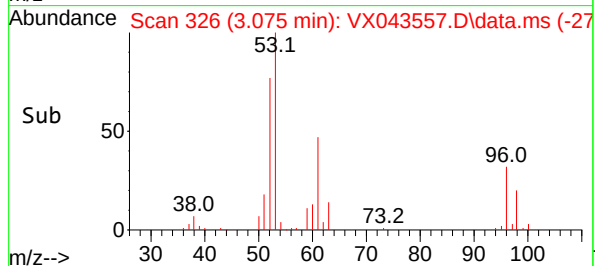
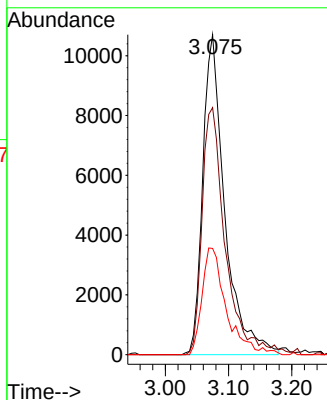
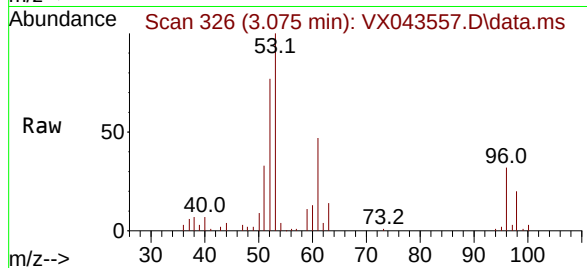
51 35.7 28.5 42.7

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#16

Acetone

Concen: 23.644 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043557.D

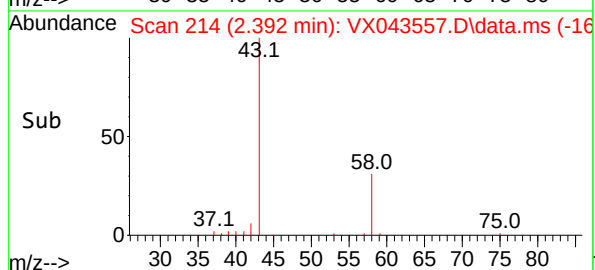
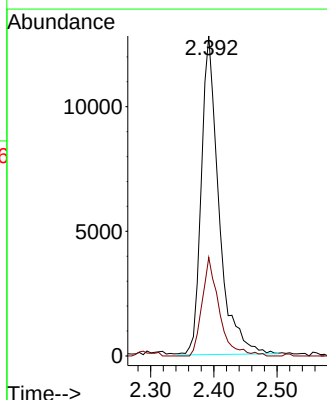
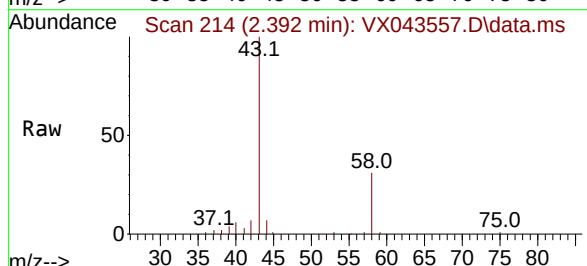
Acq: 28 Oct 2024 11:22

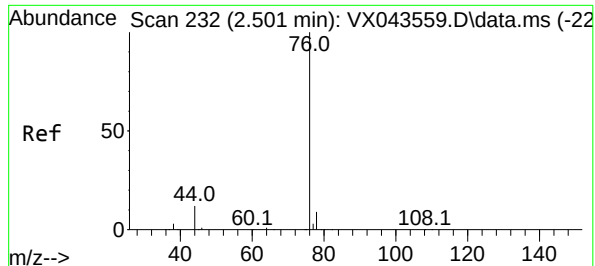
Tgt Ion: 43 Resp: 24830

Ion Ratio Lower Upper

43 100

58 31.0 25.1 37.7





#17

Carbon Disulfide

Concen: 4.462 ug/l

RT: 2.496 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 1511

Ion Ratio Lower Upper

76 100

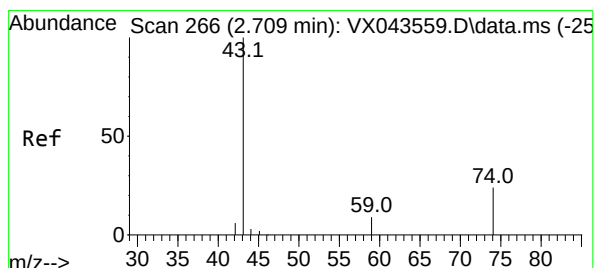
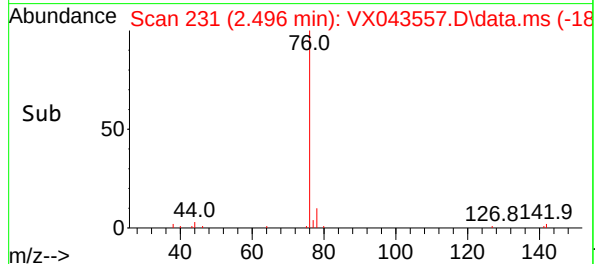
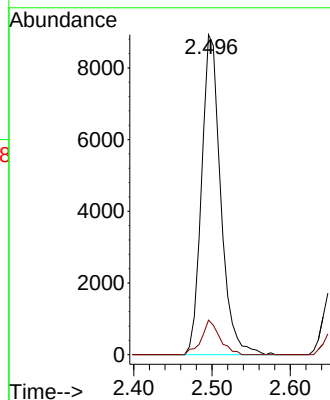
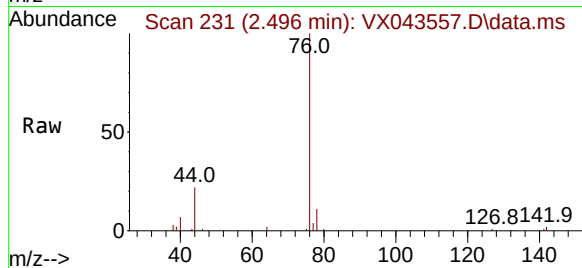
78 10.8 7.1 10.7

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#18

Methyl Acetate

Concen: 4.552 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX043557.D

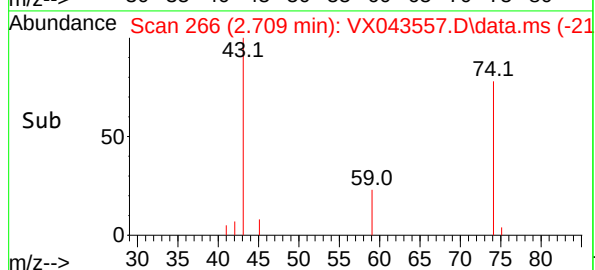
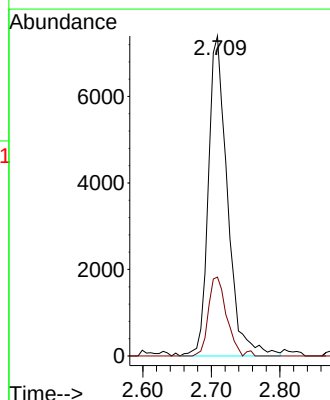
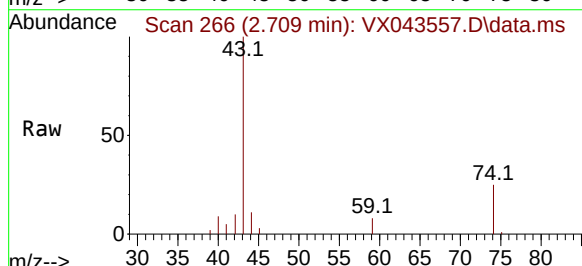
Acq: 28 Oct 2024 11:22

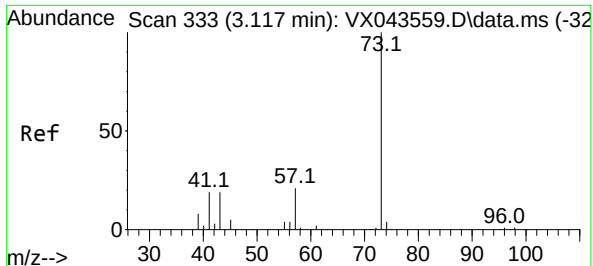
Tgt Ion: 43 Resp: 14366

Ion Ratio Lower Upper

43 100

74 23.1 19.1 28.7





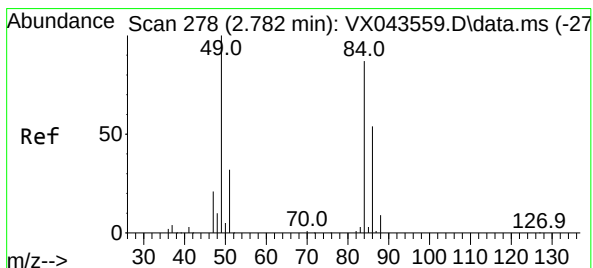
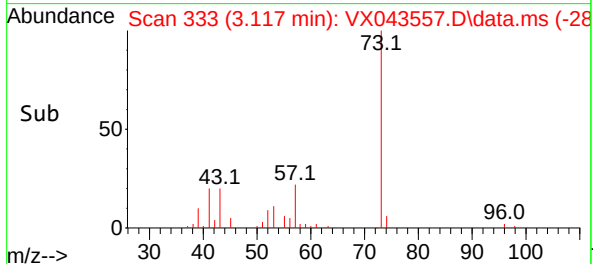
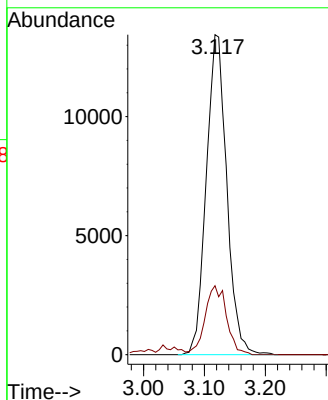
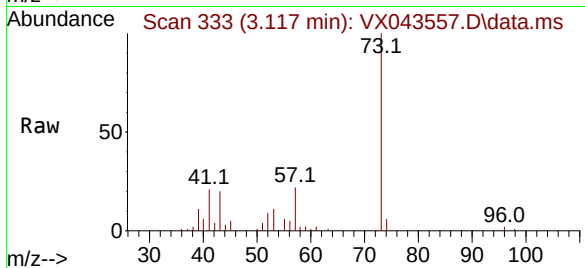
#19
Methyl tert-butyl Ether
Concen: 4.934 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 3141
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5

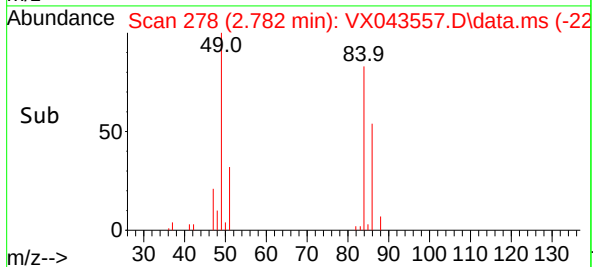
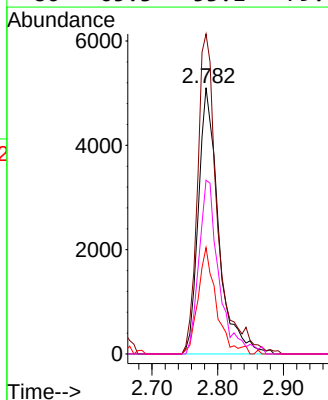
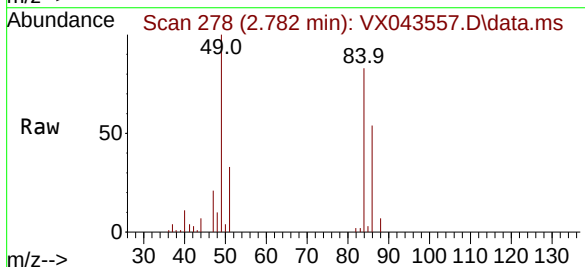
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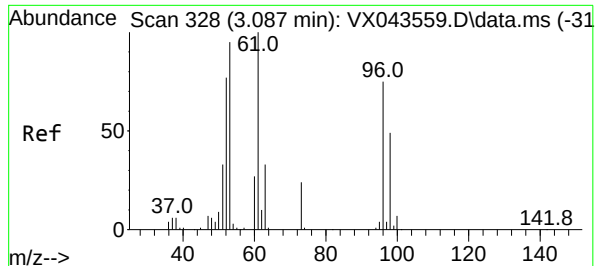
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#20
Methylene Chloride
Concen: 5.284 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 84 Resp: 10845
Ion Ratio Lower Upper
84 100
49 120.2 97.0 145.6
51 40.0 29.8 44.8
86 65.3 53.1 79.7





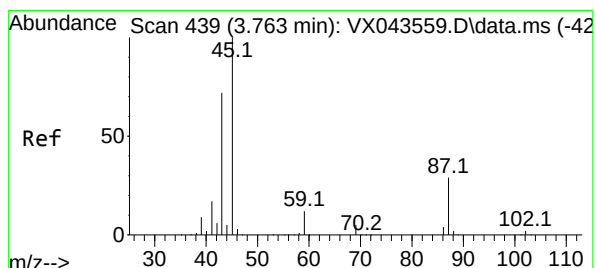
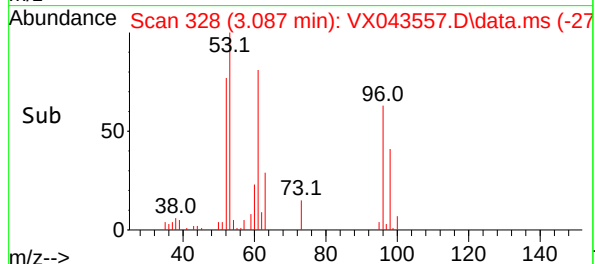
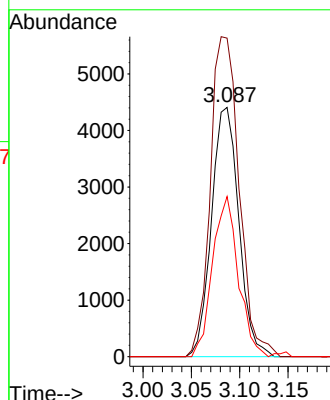
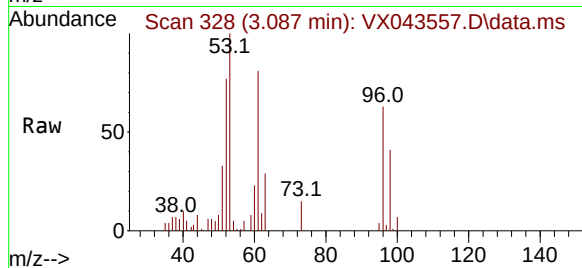
#21
trans-1,2-Dichloroethene
Concen: 4.877 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 8639
Ion Ratio Lower Upper
96 100
61 127.8 107.1 160.7
98 64.2 47.7 71.5

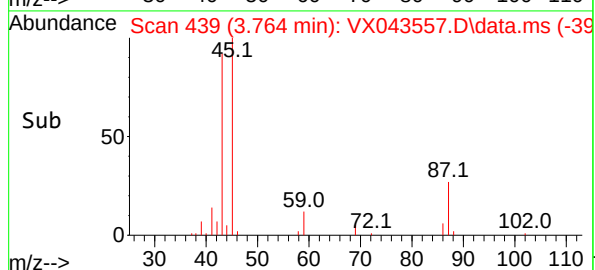
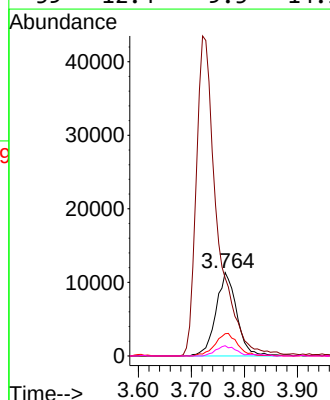
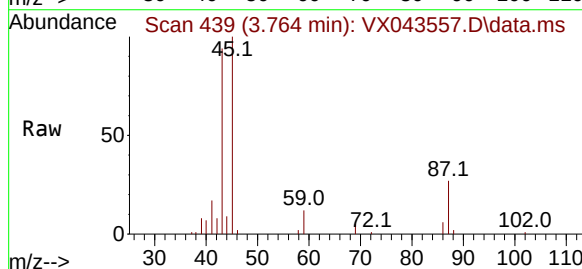
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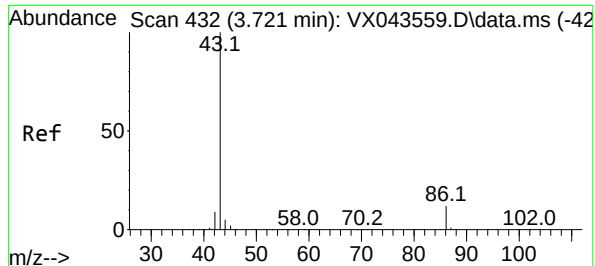
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#22
Diisopropyl ether
Concen: 5.154 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 45 Resp: 30888
Ion Ratio Lower Upper
45 100
43 93.5 60.6 90.8#
87 26.6 22.0 33.0
59 12.4 9.5 14.3





#23

Vinyl Acetate

Concen: 24.227 ug/l

RT: 3.721 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 11994

Ion Ratio Lower Upper

43 100

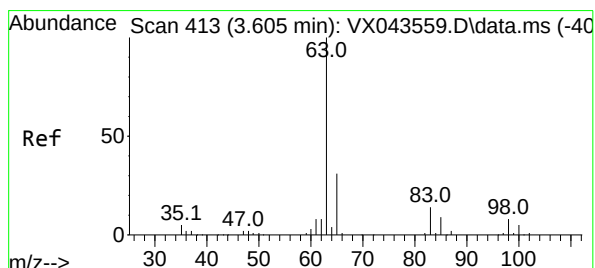
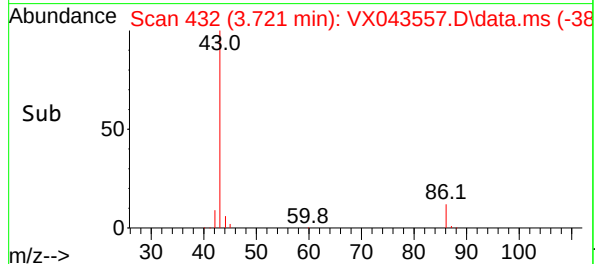
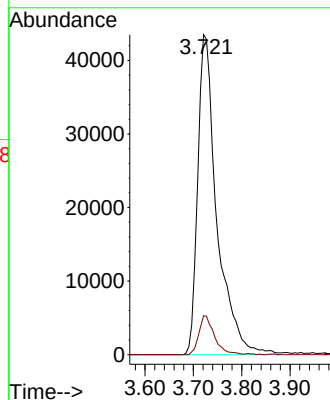
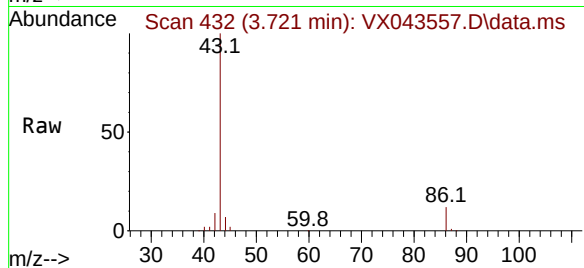
86 12.1 9.0 13.4

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#24

1,1-Dichloroethane

Concen: 5.072 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

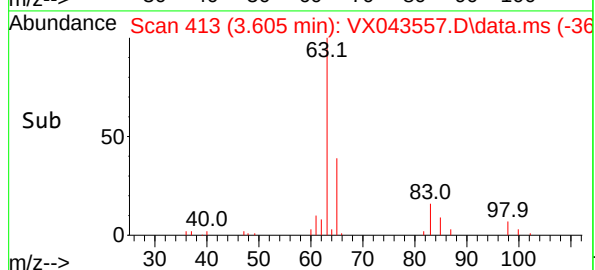
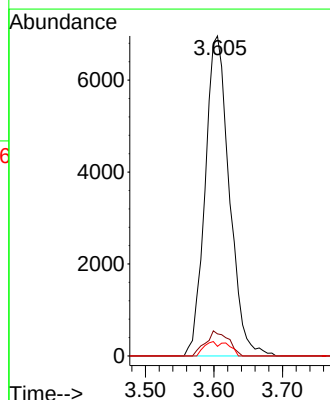
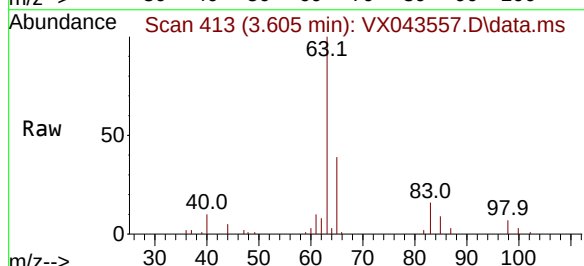
Tgt Ion: 63 Resp: 17144

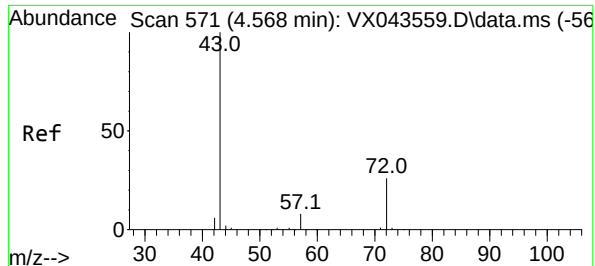
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 3.0 2.4 7.2





#25

2-Butanone

Concen: 22.456 ug/l

RT: 4.581 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 35818

Ion Ratio Lower Upper

43 100

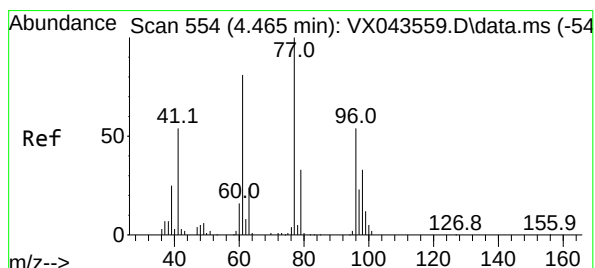
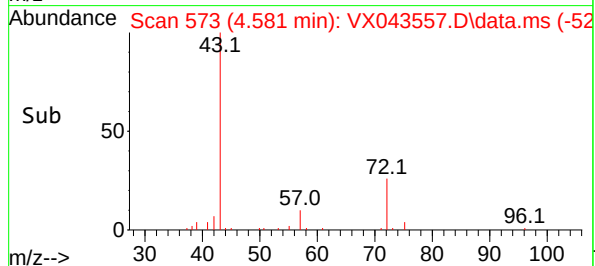
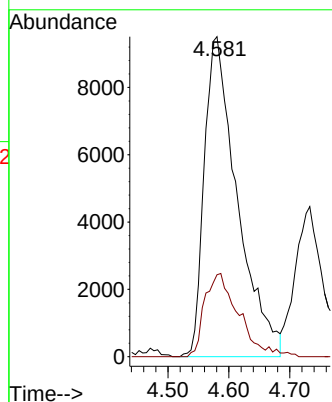
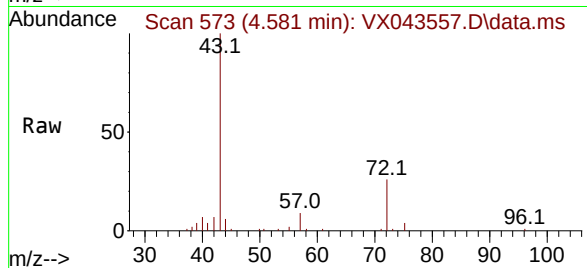
72 25.6 21.1 31.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#26

2,2-Dichloropropane

Concen: 5.820 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX043557.D

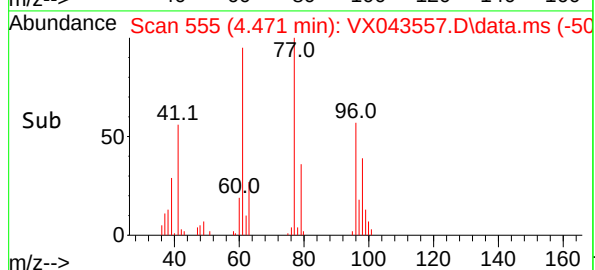
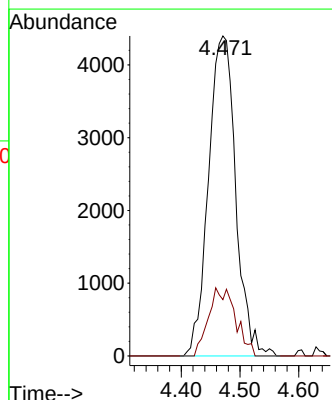
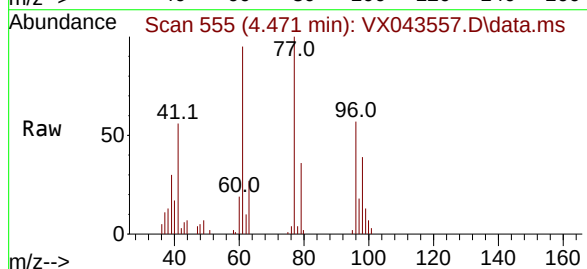
Acq: 28 Oct 2024 11:22

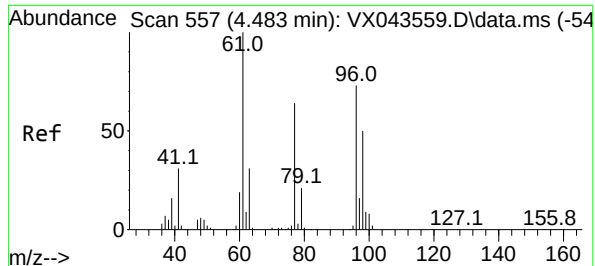
Tgt Ion: 77 Resp: 14180

Ion Ratio Lower Upper

77 100

97 21.1 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 5.055 ug/l

RT: 4.483 min Scan# 511

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 11158

Ion Ratio Lower Upper

96 100

61 142.0 0.0 277.2

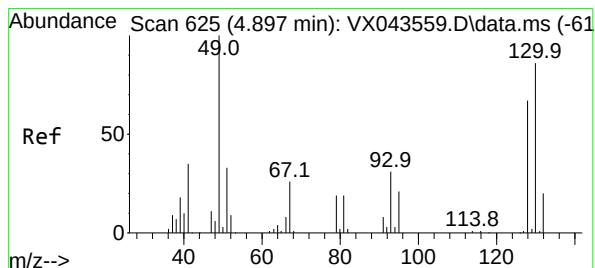
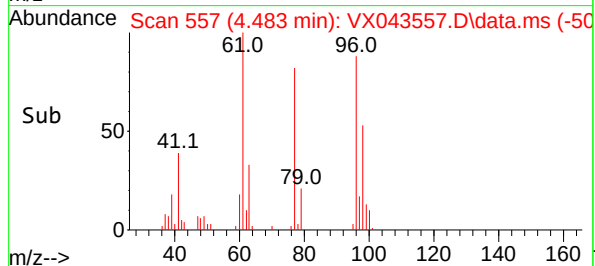
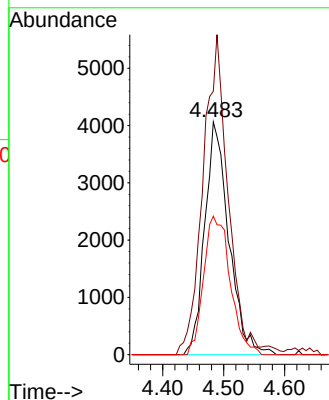
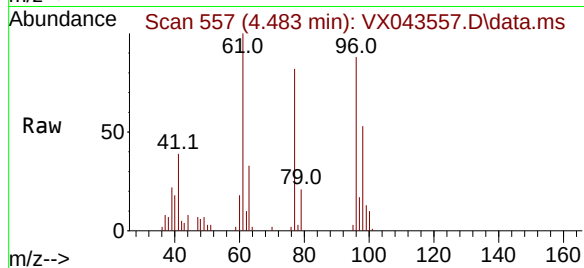
98 65.8 0.0 131.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#28

Bromochloromethane

Concen: 4.909 ug/l

RT: 4.904 min Scan# 626

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

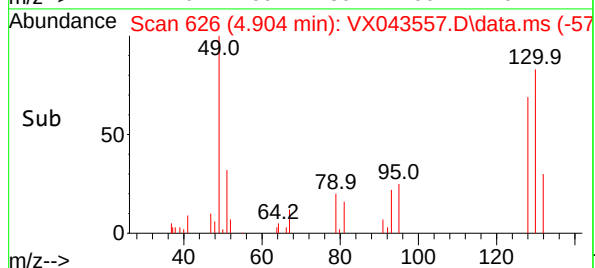
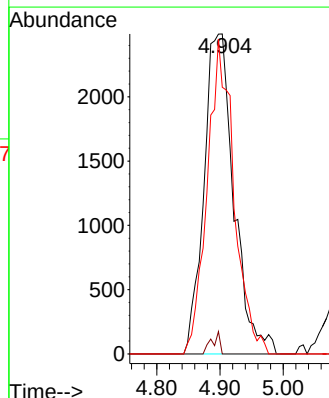
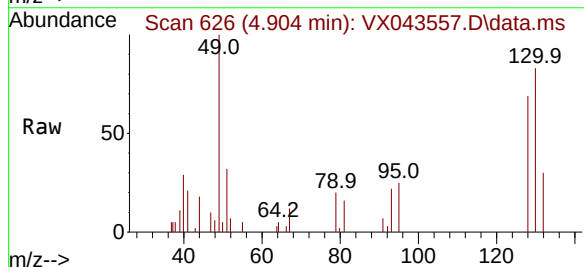
Tgt Ion: 49 Resp: 8209

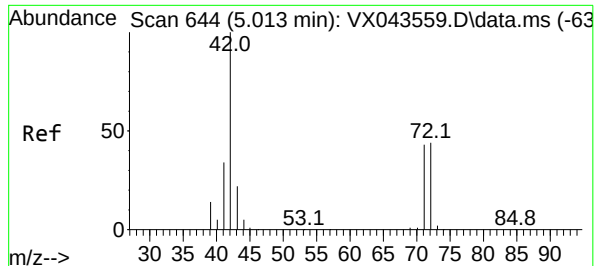
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.2

130 87.5 67.8 101.8





#29

Tetrahydrofuran

Concen: 22.684 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

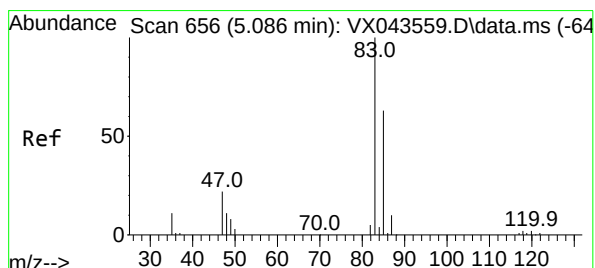
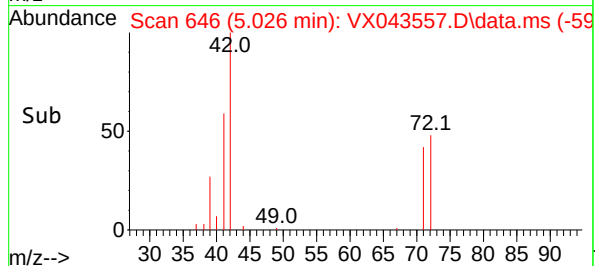
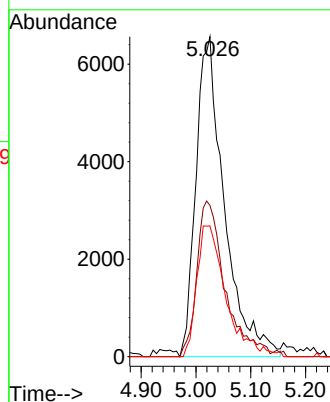
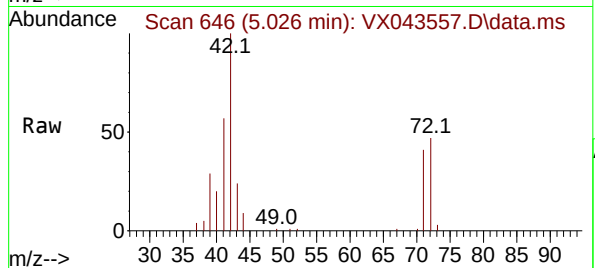
VSTDICC005

Tgt Ion:	42	Resp:	23624
Ion	Ratio	Lower	Upper
42	100		
72	48.3	36.6	55.0
71	41.0	34.2	51.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#30

Chloroform

Concen: 5.019 ug/l

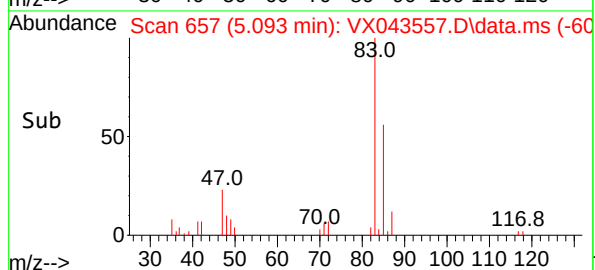
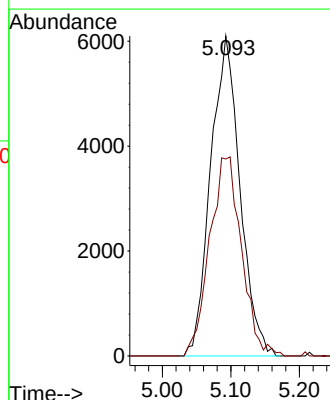
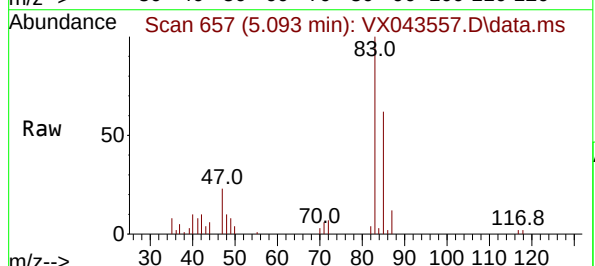
RT: 5.093 min Scan# 657

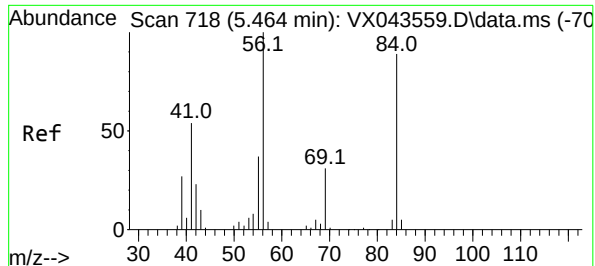
Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Tgt Ion:	83	Resp:	18141
Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.2	78.4





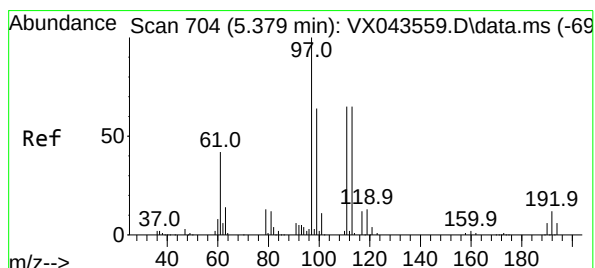
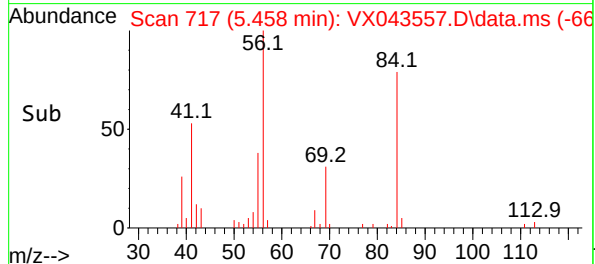
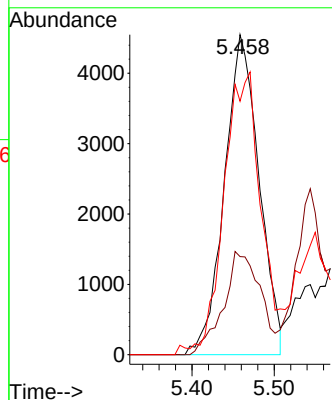
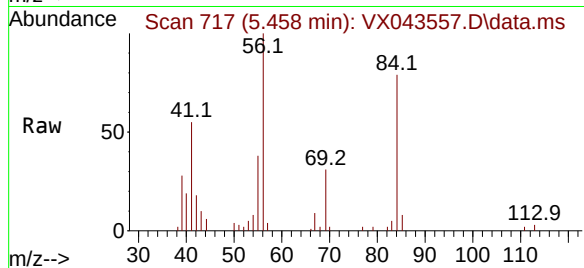
#31
Cyclohexane
Concen: 4.972 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 1333
Ion Ratio Lower Upper
56 100
69 30.7 24.9 37.3
84 76.3 73.3 109.9

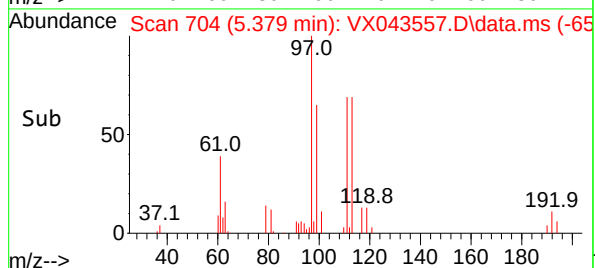
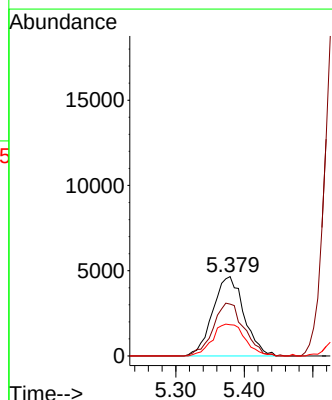
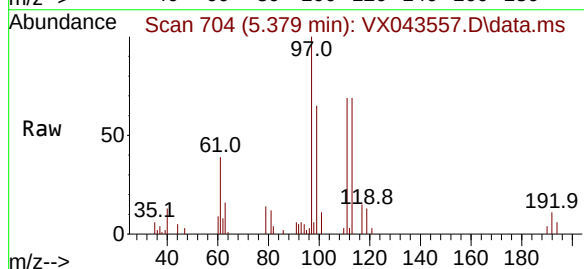
Manual Integrations
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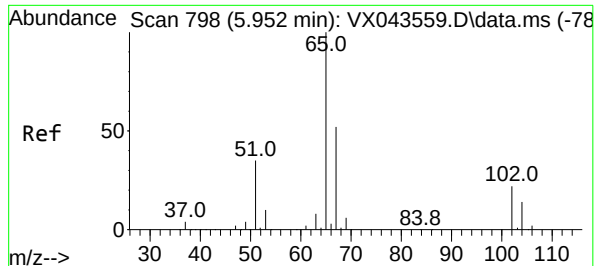
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#32
1,1,1-Trichloroethane
Concen: 4.846 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 97 Resp: 14721
Ion Ratio Lower Upper
97 100
99 65.8 51.4 77.0
61 41.9 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 5.686 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 1398

Ion Ratio Lower Upper

65 100

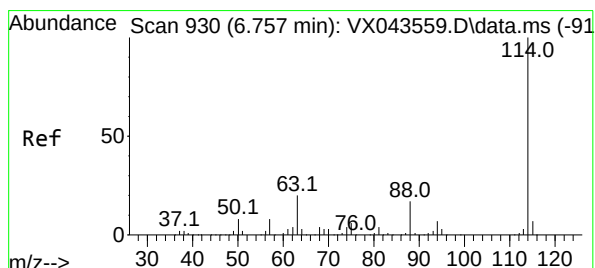
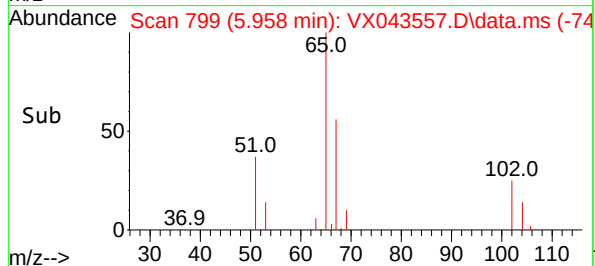
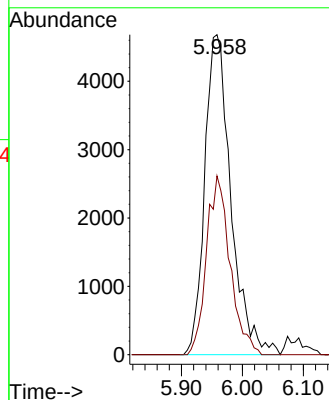
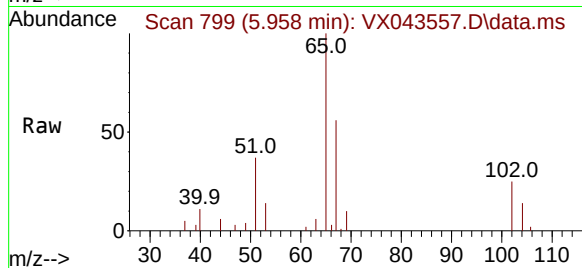
67 50.3 0.0 103.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

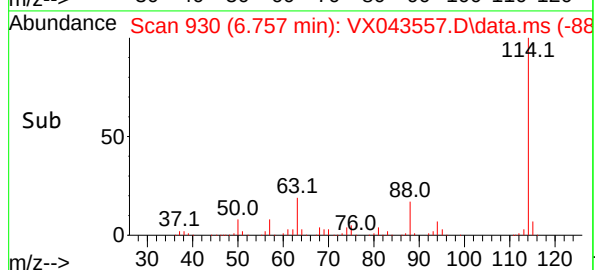
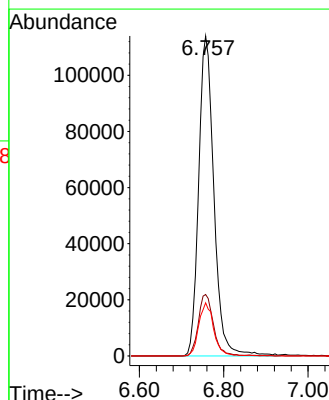
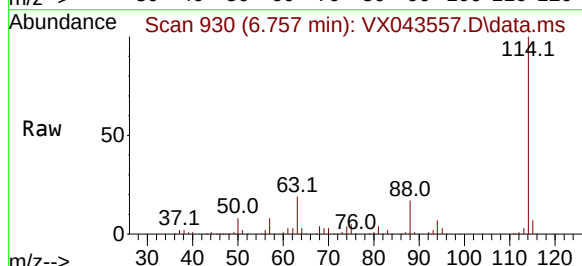
Tgt Ion:114 Resp: 287211

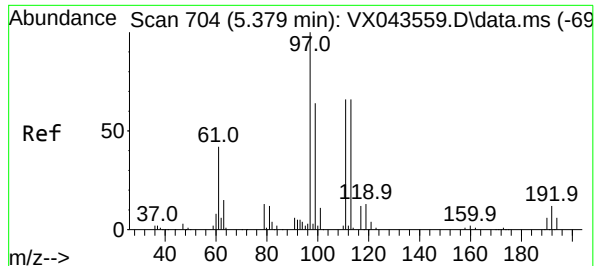
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.2

88 16.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 5.373 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

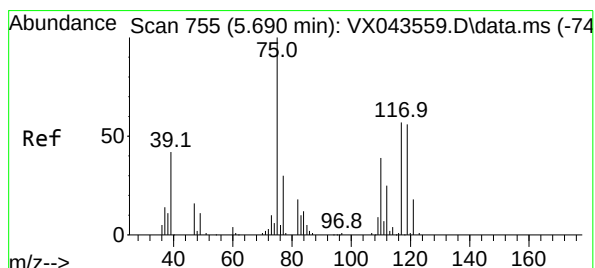
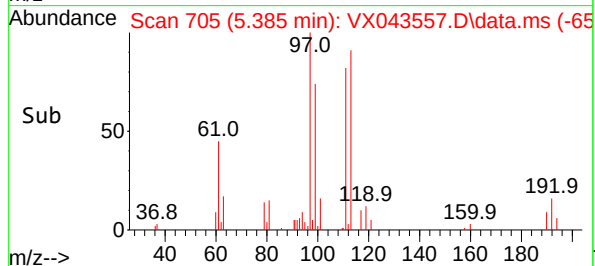
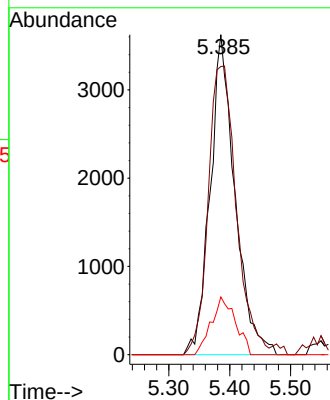
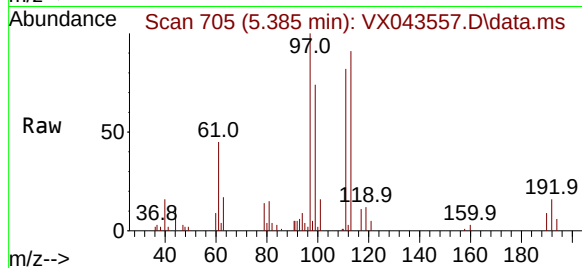
VSTDIC005

Tgt Ion:	113	Resp:	10270
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	17.5	14.1	21.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#36

1,1-Dichloropropene

Concen: 5.029 ug/l

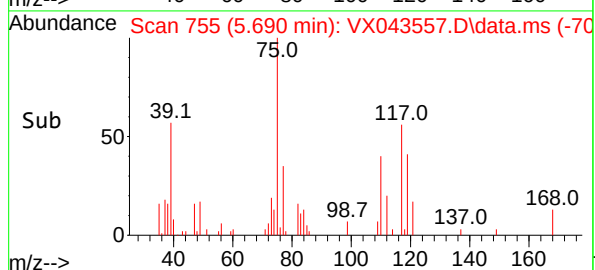
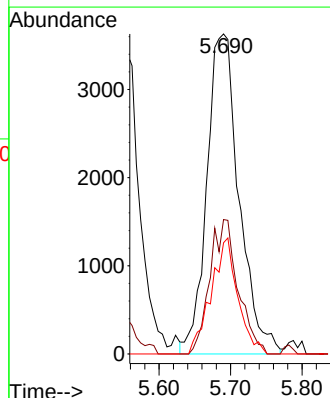
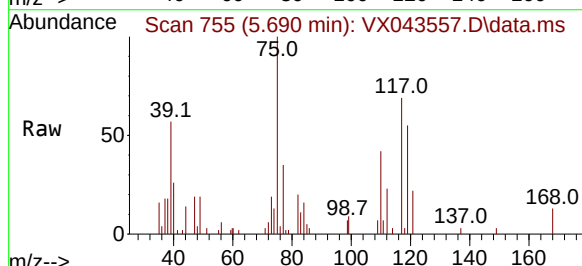
RT: 5.690 min Scan# 755

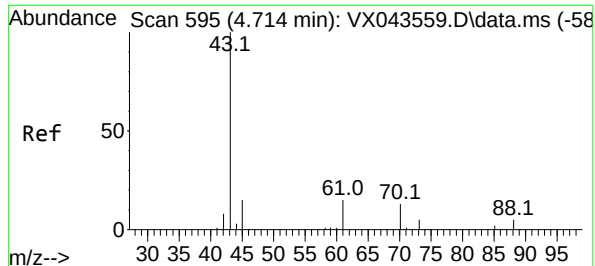
Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Tgt Ion:	75	Resp:	11382
Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.9	53.7
77	30.0	25.0	37.4





#37

Ethyl Acetate

Concen: 3.868 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.012 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

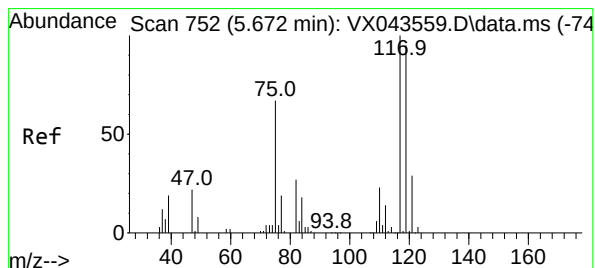
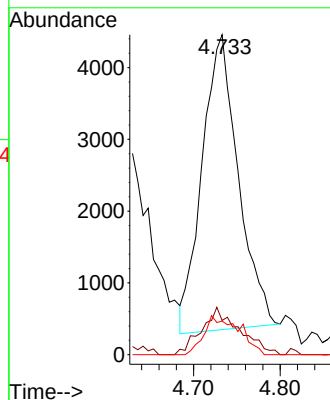
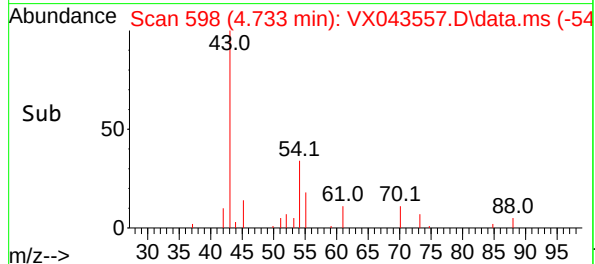
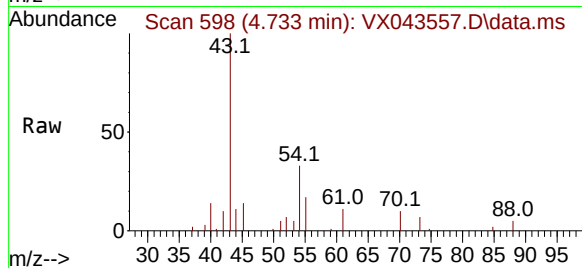
VSTDICC005

Tgt Ion:	43	Resp:	1194
Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.0	16.6
70	12.8	8.9	13.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#38

Carbon Tetrachloride

Concen: 4.940 ug/l

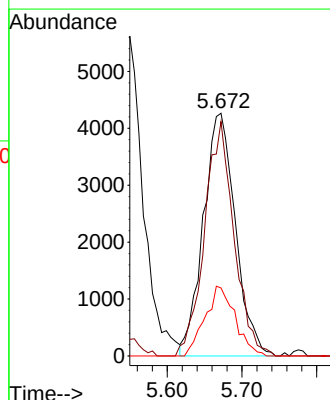
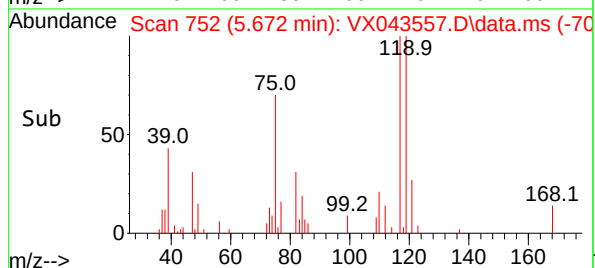
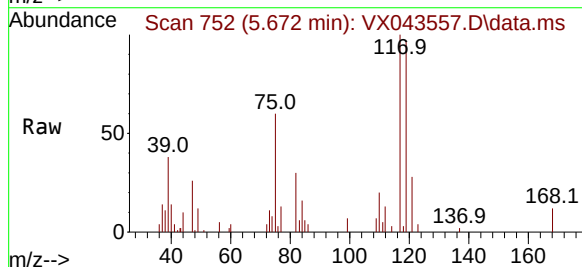
RT: 5.672 min Scan# 752

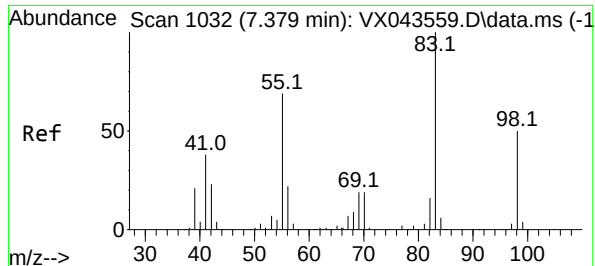
Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Tgt Ion:	117	Resp:	12706
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.6
121	28.0	24.7	37.1





#39

Methylcyclohexane

Concen: 5.038 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 1462

Ion Ratio Lower Upper

83 100

55 68.1 59.9 89.9

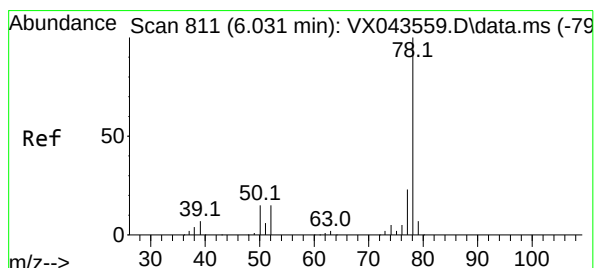
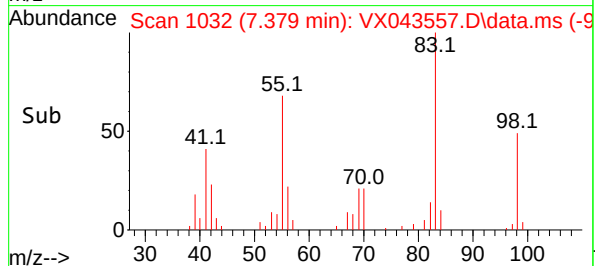
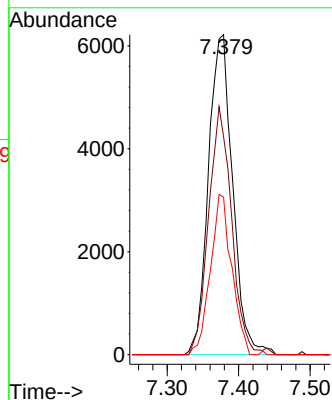
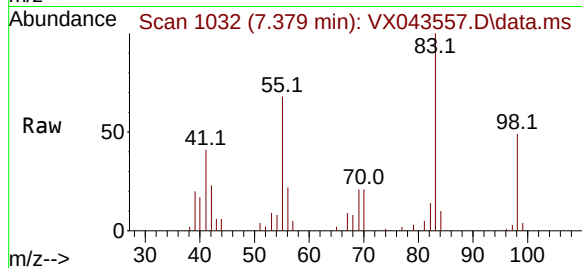
98 49.3 41.3 61.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#40

Benzene

Concen: 5.300 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX043557.D

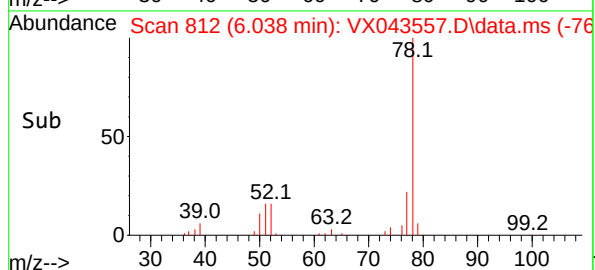
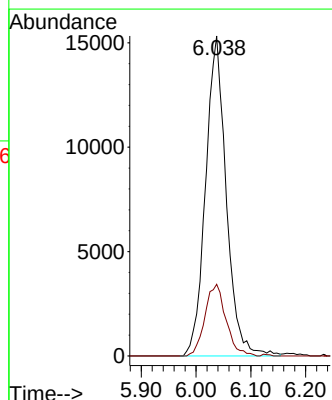
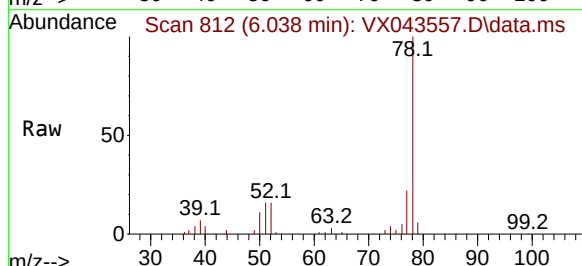
Acq: 28 Oct 2024 11:22

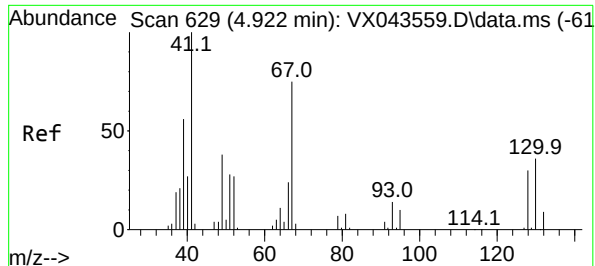
Tgt Ion: 78 Resp: 40098

Ion Ratio Lower Upper

78 100

77 22.4 18.4 27.6





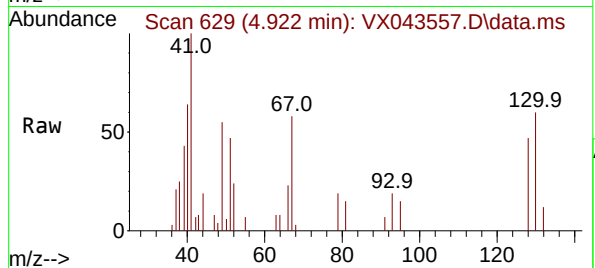
#41
Methacrylonitrile
Concen: 4.083 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

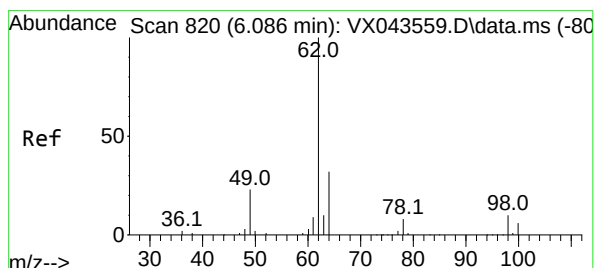
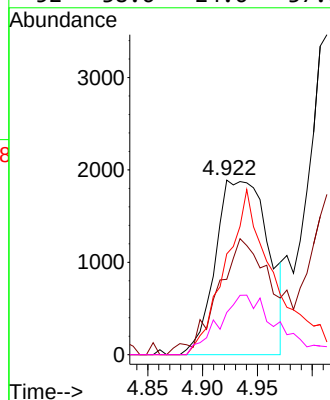
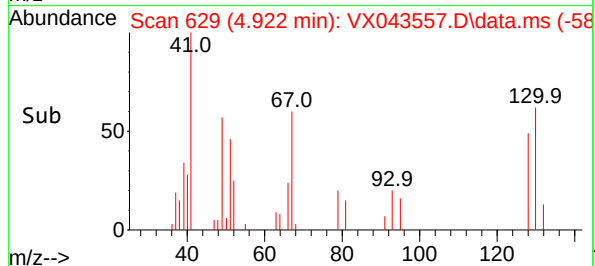


Tgt Ion: 41 Resp: 6349
Ion Ratio Lower Upper
41 100
39 70.3 43.5 65.3
67 89.4 58.3 87.5
52 38.6 24.6 37.0

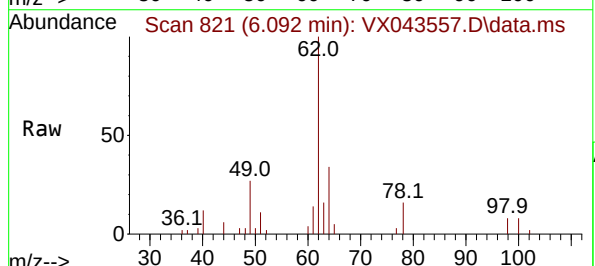
Manual Integrations

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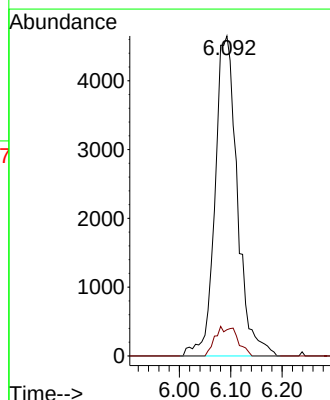
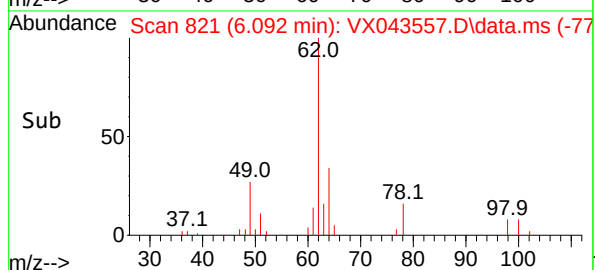
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

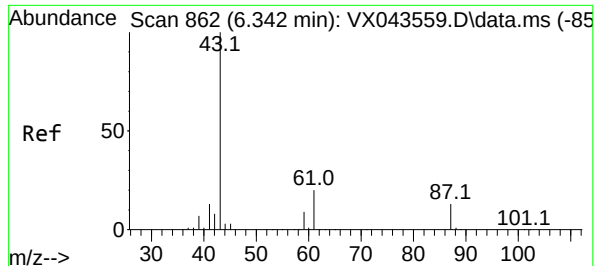


#42
1,2-Dichloroethane
Concen: 5.037 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22



Tgt Ion: 62 Resp: 14018
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.8





#43

Isopropyl Acetate

Concen: 4.756 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.012 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

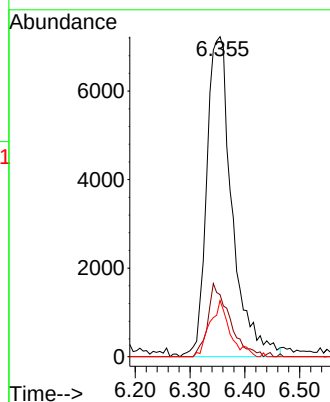
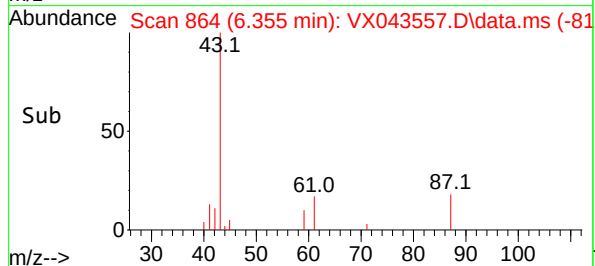
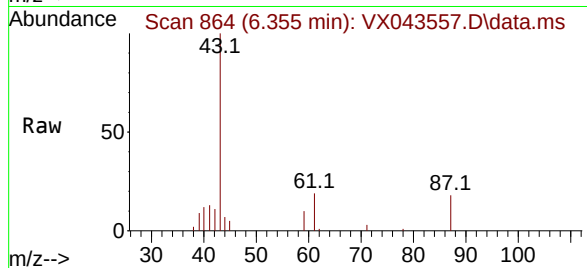
Tgt Ion: 43 Resp: 2324

Ion Ratio Lower Upper

43 100

61 19.6 16.2 24.4

87 13.9 11.0 16.6



Instrument :

MSVOA_X

ClientSampleId :

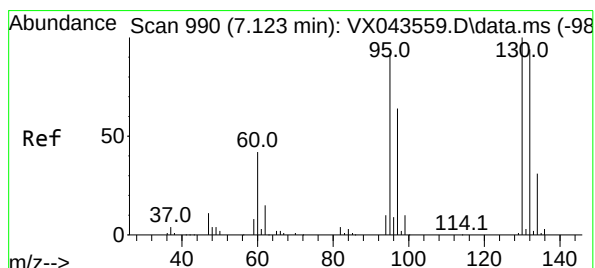
VSTDIC005

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#44

Trichloroethene

Concen: 5.528 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043557.D

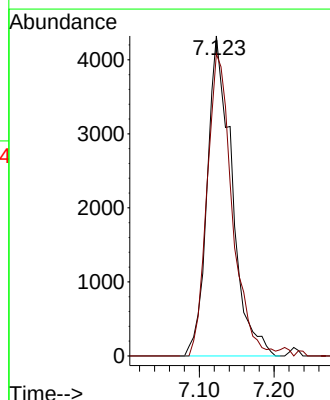
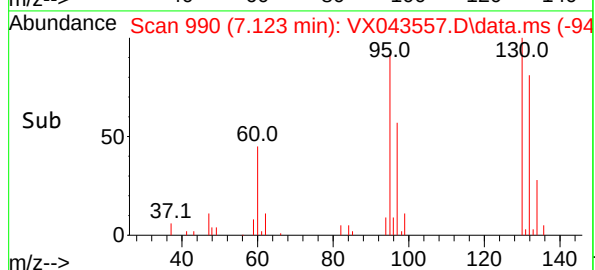
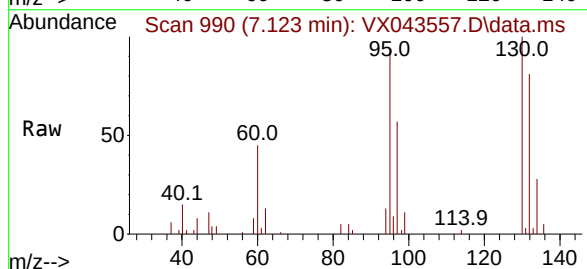
Acq: 28 Oct 2024 11:22

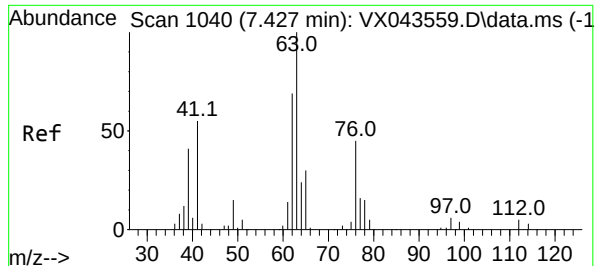
Tgt Ion:130 Resp: 9917

Ion Ratio Lower Upper

130 100

95 94.4 0.0 202.6





#45

1,2-Dichloropropane

Concen: 5.268 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 9734

Ion Ratio Lower Upper

63 100

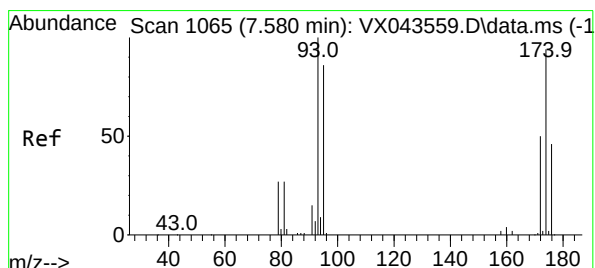
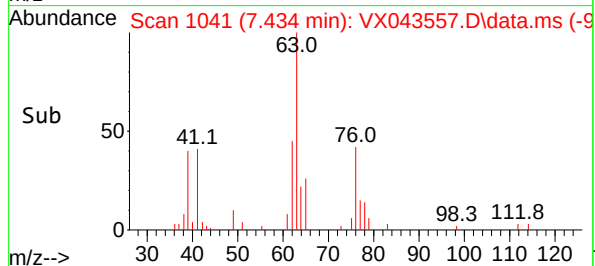
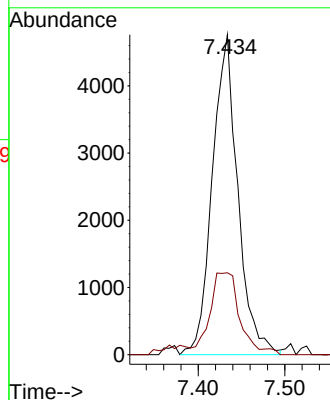
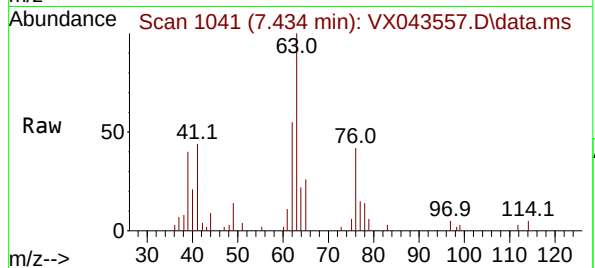
65 25.6 24.5 36.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#46

Dibromomethane

Concen: 5.337 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

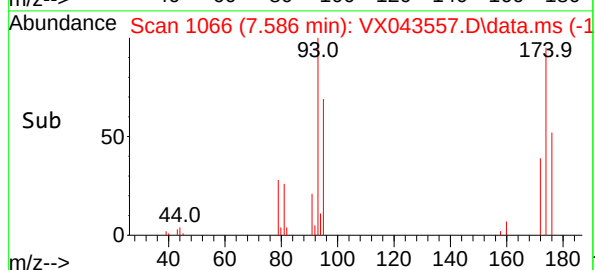
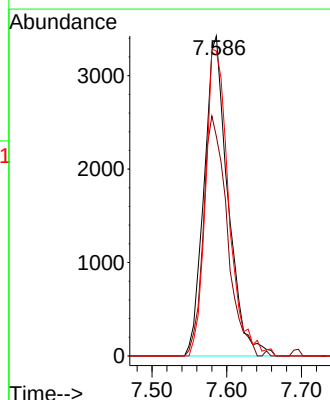
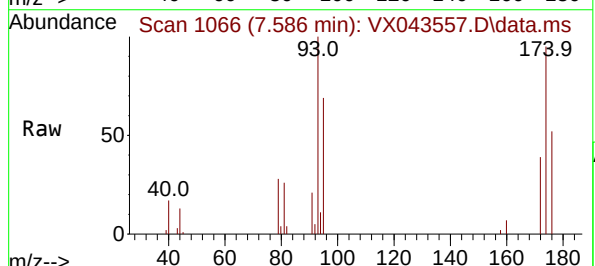
Tgt Ion: 93 Resp: 7576

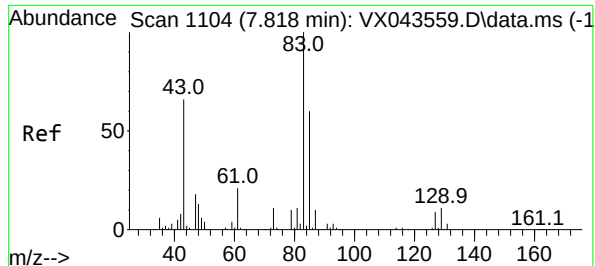
Ion Ratio Lower Upper

93 100

95 74.9 66.4 99.6

174 93.8 75.0 112.4





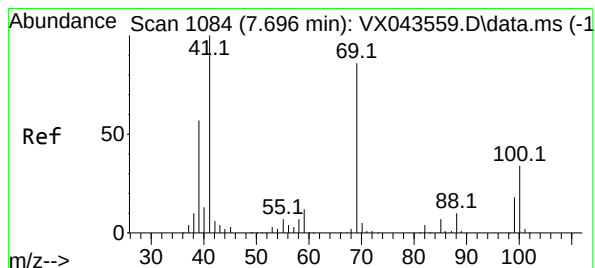
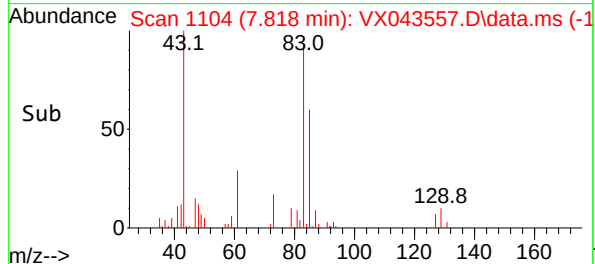
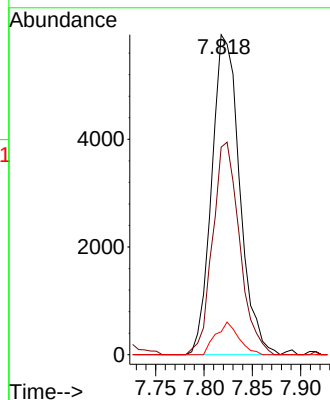
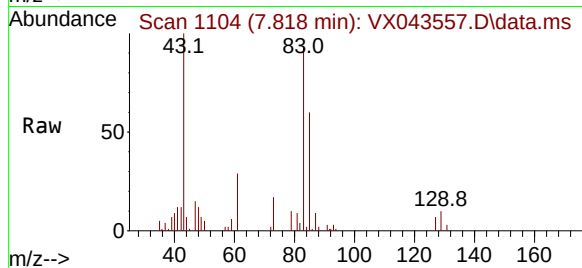
#47
Bromodichloromethane
Concen: 4.735 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 1192
Ion Ratio Lower Upper
83 100
85 64.9 52.2 78.4
127 7.1 7.1 10.7

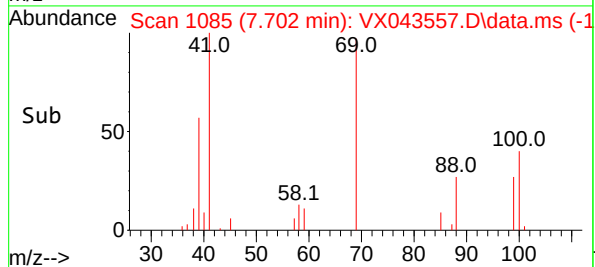
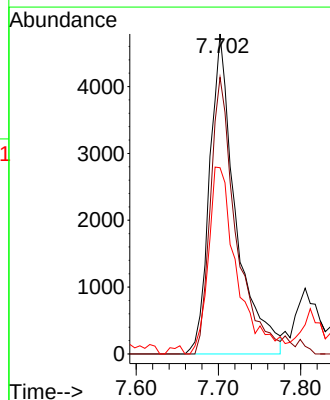
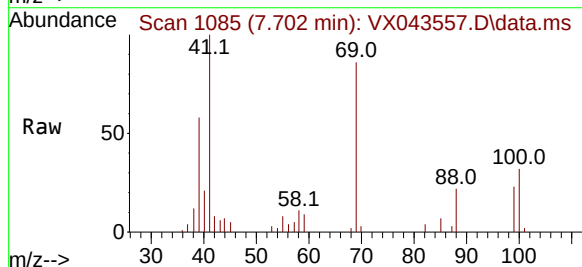
Manual Integrations
APPROVED

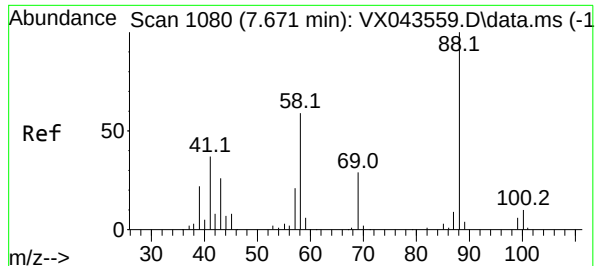
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#48
Methyl methacrylate
Concen: 4.621 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 41 Resp: 10543
Ion Ratio Lower Upper
41 100
69 86.7 67.7 101.5
39 64.0 46.3 69.5





#49

1,4-Dioxane

Concen: 73.737 ug/l

RT: 7.690 min Scan# 1080

Delta R.T. 0.019 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

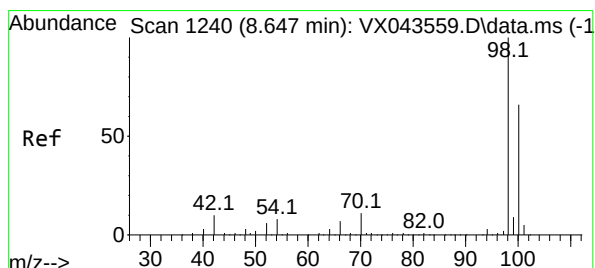
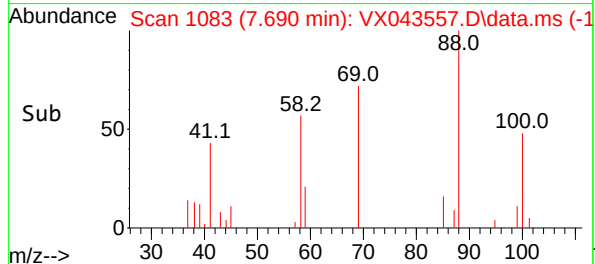
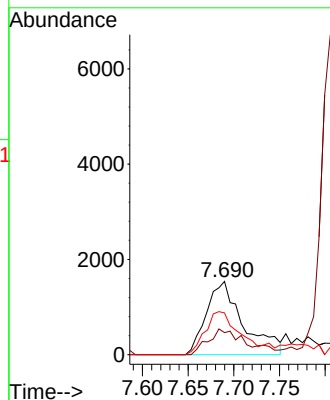
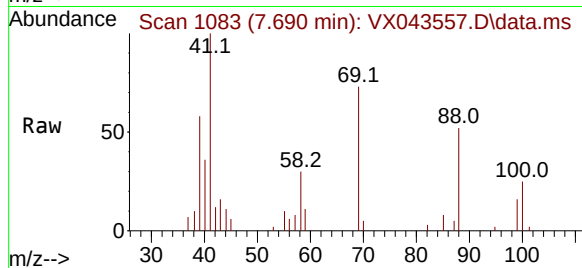
VSTDIC005

Tgt Ion:	88	Resp:	432
Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.3	37.9
58	54.4	53.9	80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#50

Toluene-d8

Concen: 5.438 ug/l

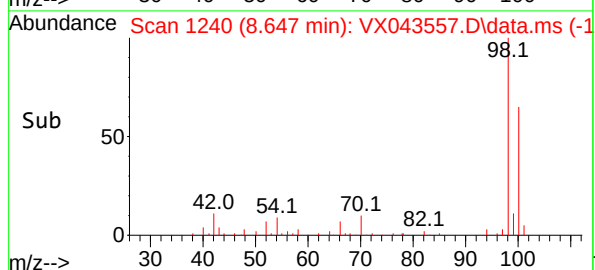
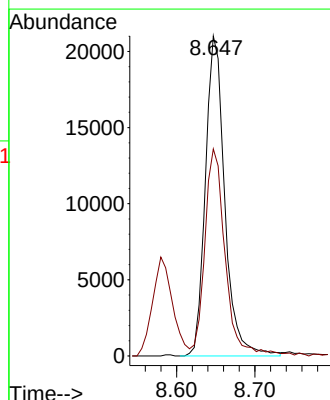
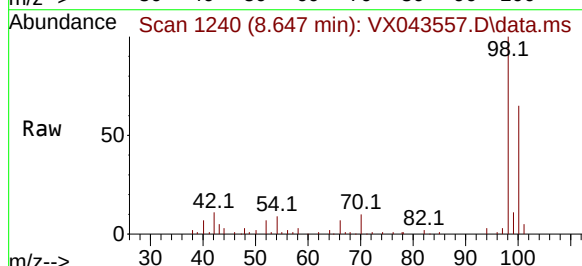
RT: 8.647 min Scan# 1240

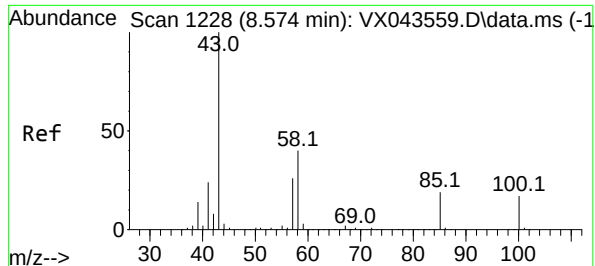
Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Tgt Ion:	98	Resp:	36059
Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 23.028 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 7130

Ion Ratio Lower Upper

43 100

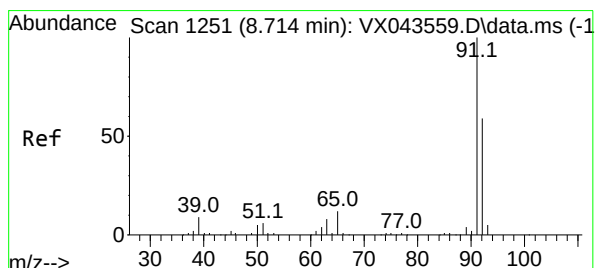
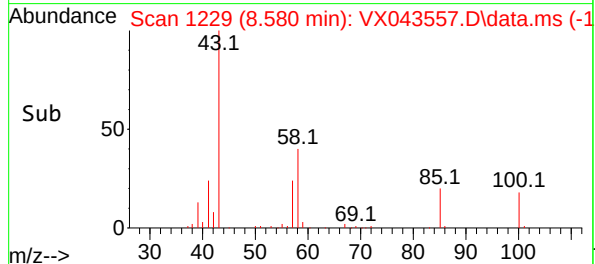
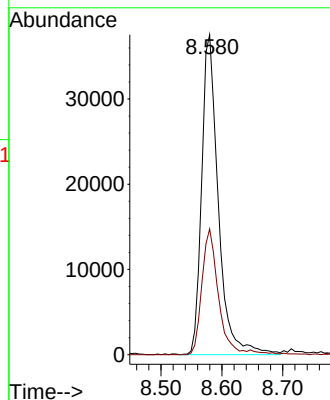
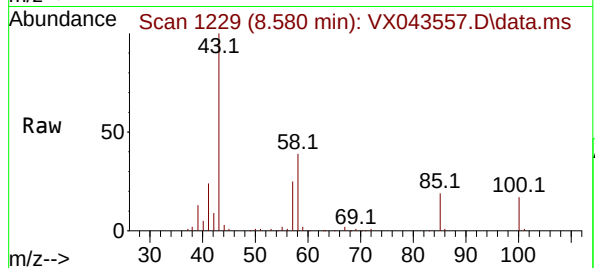
58 38.3 31.7 47.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#52

Toluene

Concen: 5.121 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX043557.D

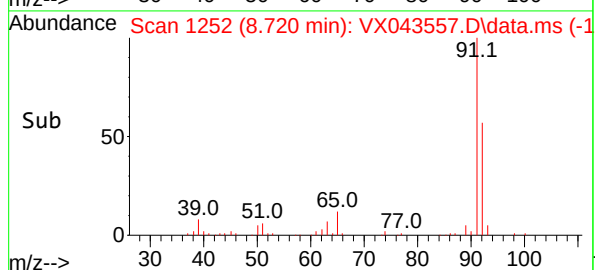
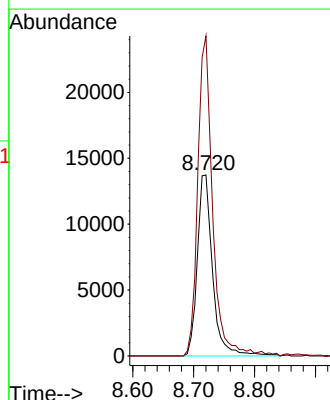
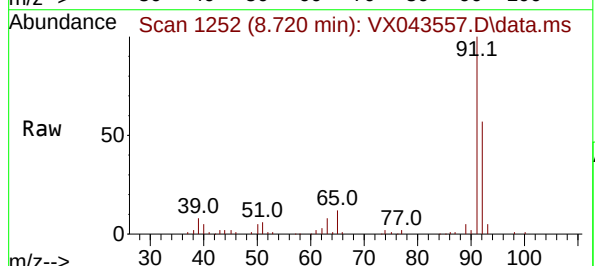
Acq: 28 Oct 2024 11:22

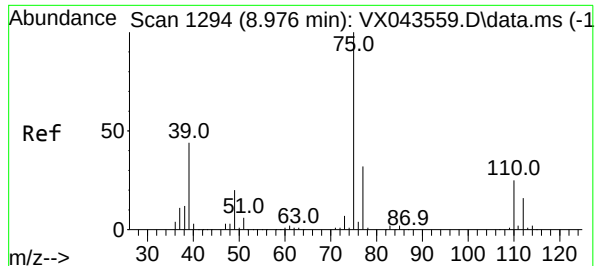
Tgt Ion: 92 Resp: 23888

Ion Ratio Lower Upper

92 100

91 170.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 4.773 ug/l

RT: 8.982 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 12164

Ion Ratio Lower Upper

75 100

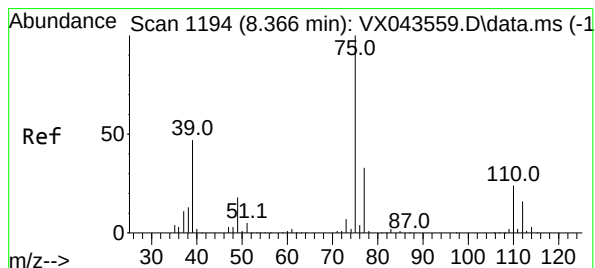
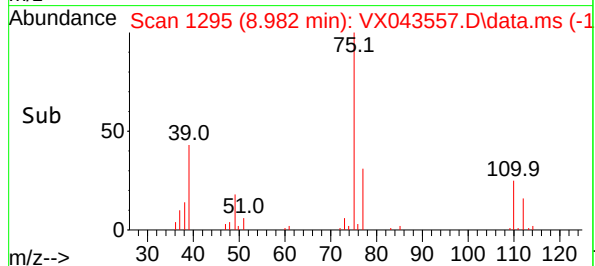
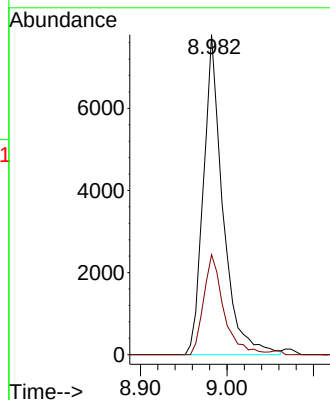
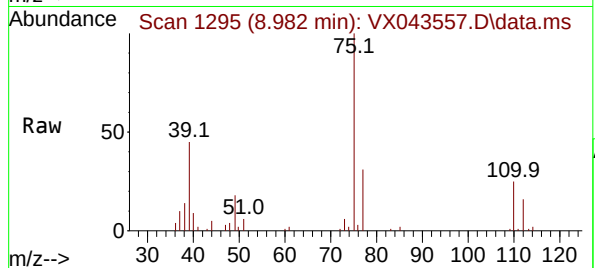
77 31.2 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#54

cis-1,3-Dichloropropene

Concen: 5.084 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

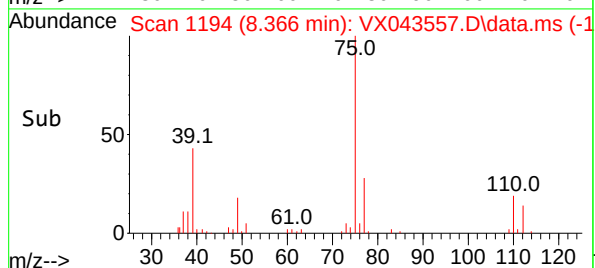
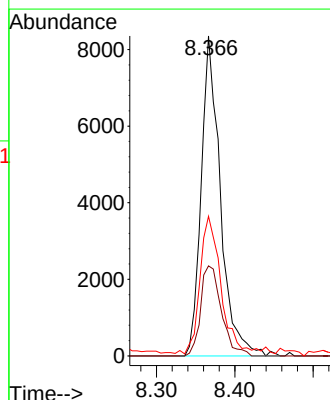
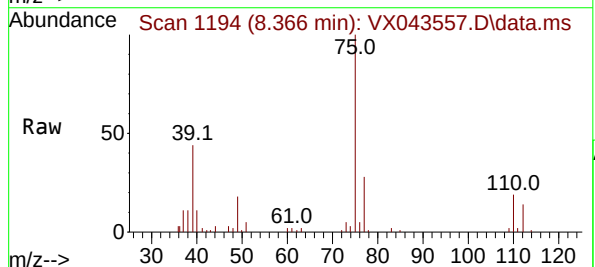
Tgt Ion: 75 Resp: 14227

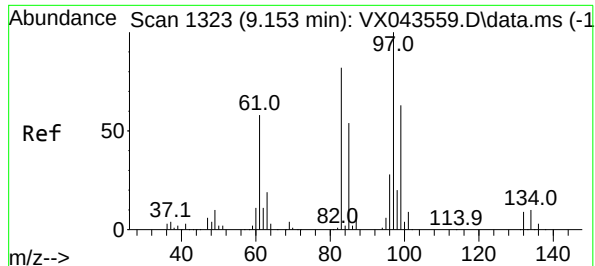
Ion Ratio Lower Upper

75 100

77 28.1 24.8 37.2

39 42.0 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 4.982 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 97 Resp: 980

Ion Ratio Lower Upper

97 100

83 88.2 67.3 100.9

85 55.0 43.6 65.4

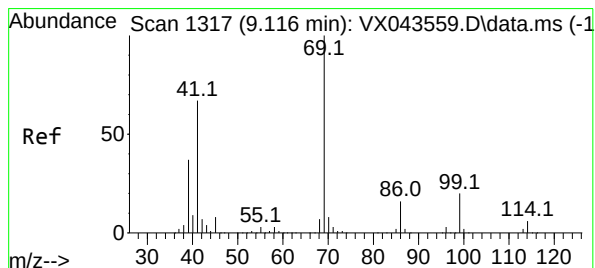
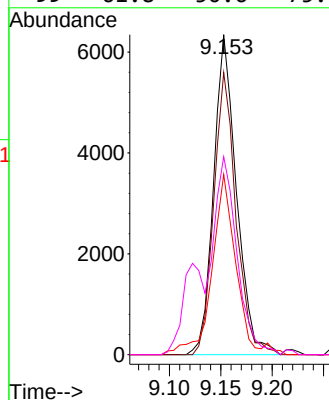
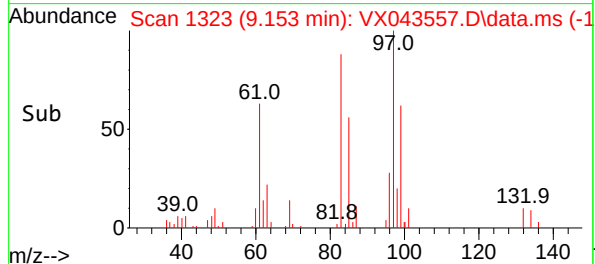
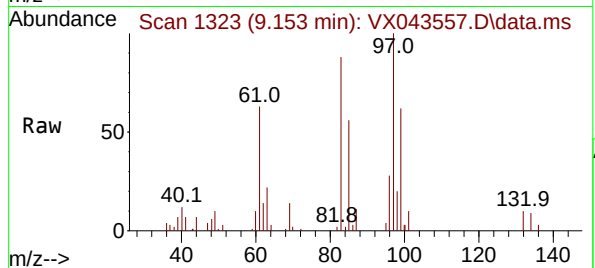
99 61.8 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#56

Ethyl methacrylate

Concen: 4.712 ug/l

RT: 9.122 min Scan# 1318

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

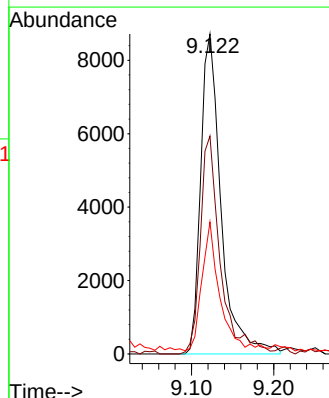
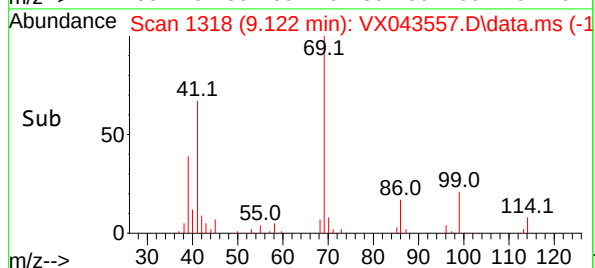
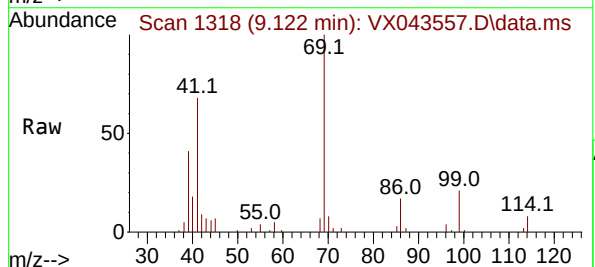
Tgt Ion: 69 Resp: 14989

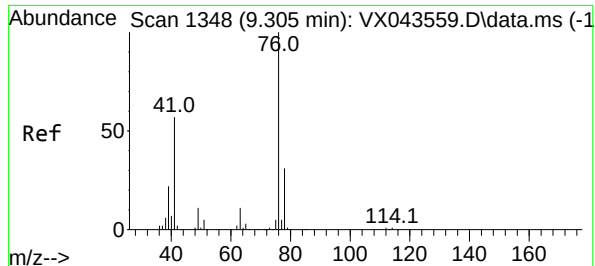
Ion Ratio Lower Upper

69 100

41 66.6 53.8 80.8

39 36.6 29.9 44.9





#57

1,3-Dichloropropane

Concen: 5.097 ug/l

RT: 9.311 min Scan# 1134

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 1656

Ion Ratio Lower Upper

76 100

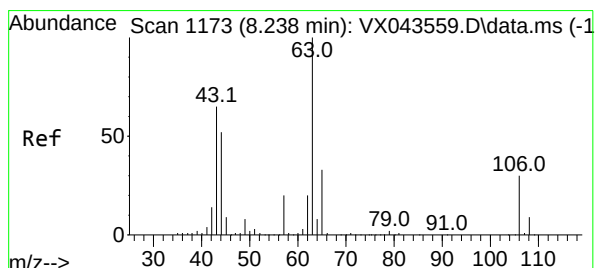
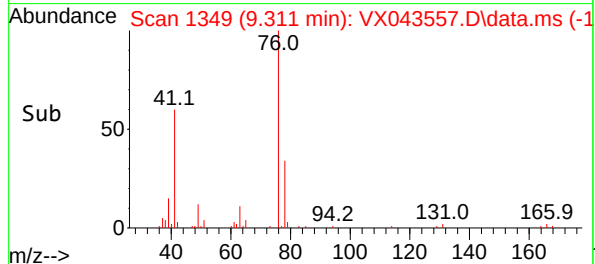
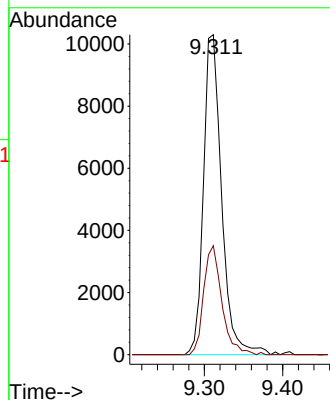
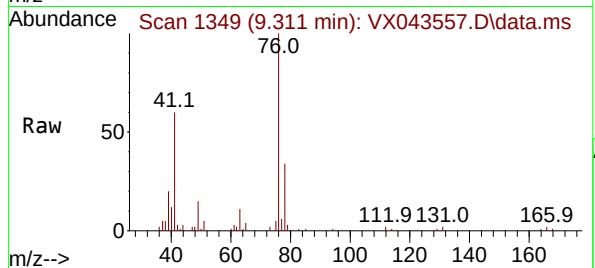
78 34.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#58

2-Chloroethyl Vinyl ether

Concen: 23.613 ug/l

RT: 8.245 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX043557.D

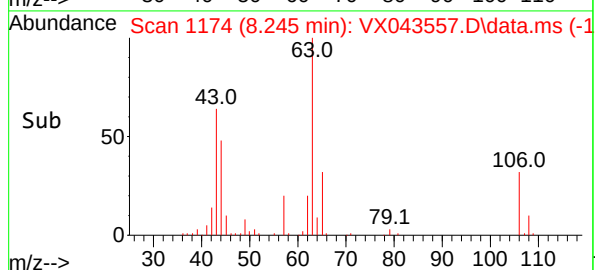
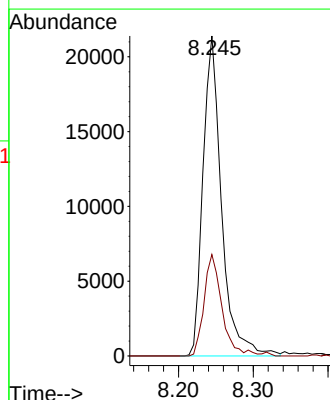
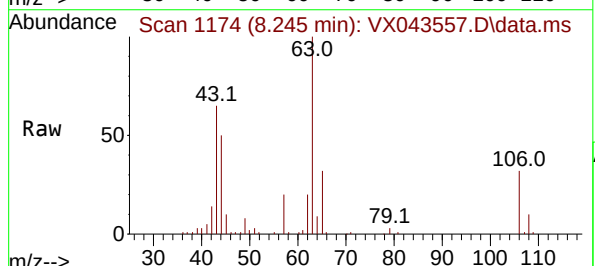
Acq: 28 Oct 2024 11:22

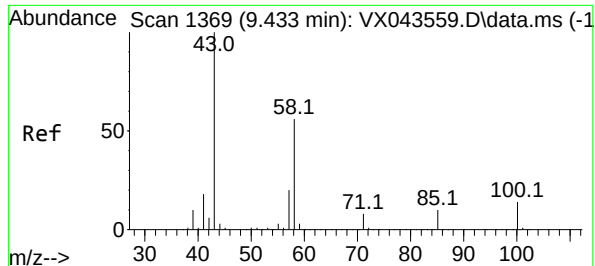
Tgt Ion: 63 Resp: 36952

Ion Ratio Lower Upper

63 100

106 30.5 23.6 35.4





#59

2-Hexanone

Concen: 22.614 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 52944

Ion Ratio Lower Upper

43

100

58

55.7

27.5

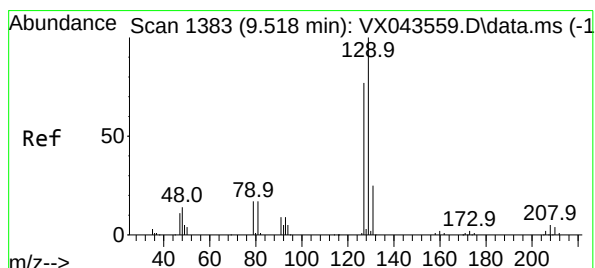
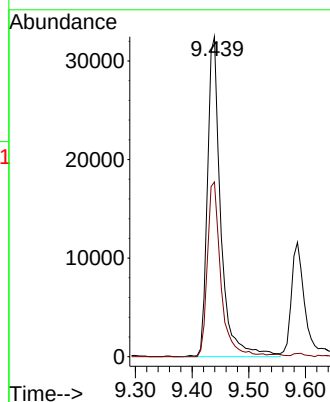
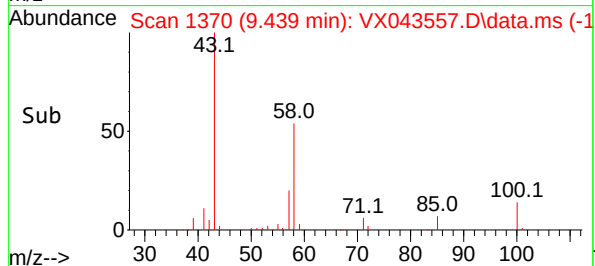
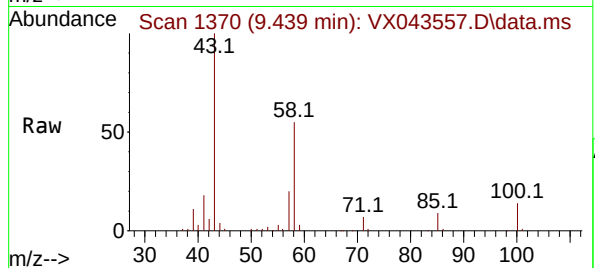
82.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#60

Dibromochloromethane

Concen: 4.514 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Tgt Ion:129 Resp: 8314

Ion Ratio Lower Upper

129

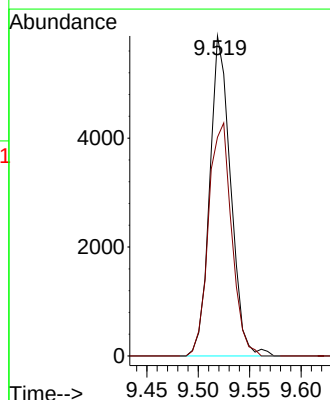
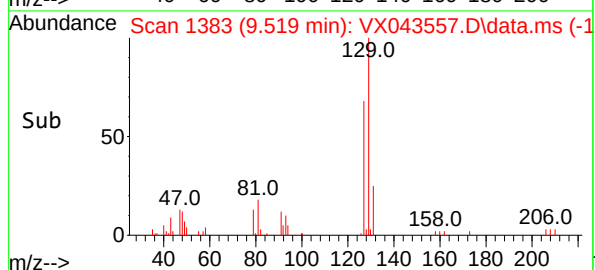
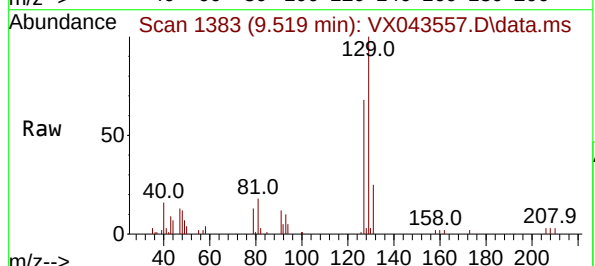
100

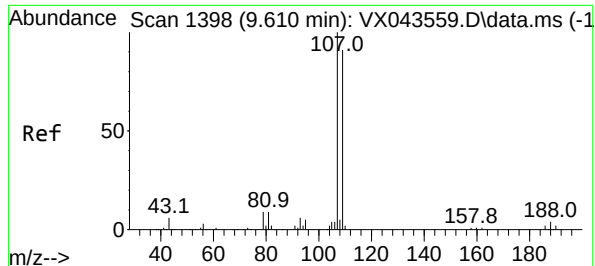
127

80.5

38.4

115.1





#61

1,2-Dibromoethane

Concen: 5.087 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:107 Resp: 10094

Ion Ratio Lower Upper

107 100

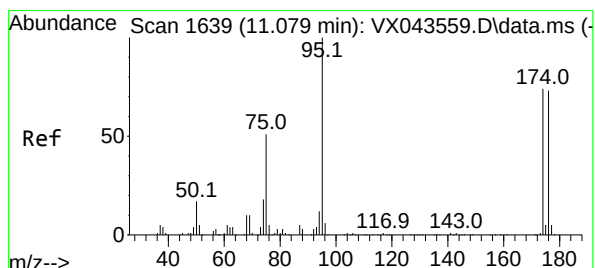
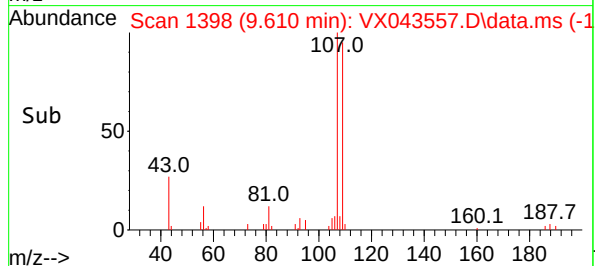
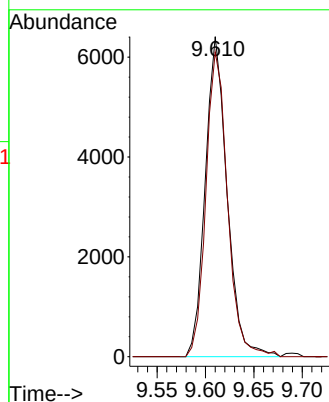
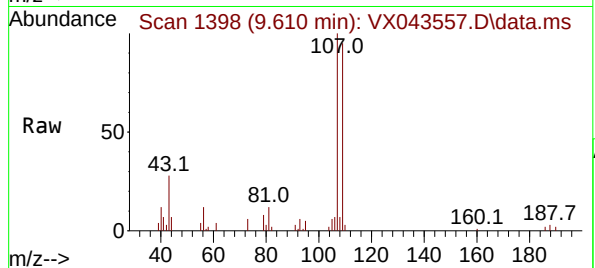
109 94.2 77.1 115.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#62

4-Bromofluorobenzene

Concen: 5.284 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

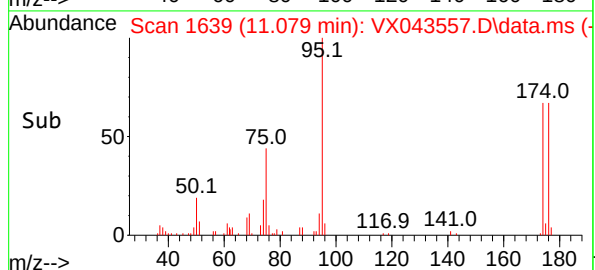
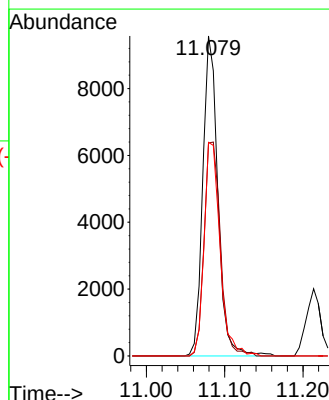
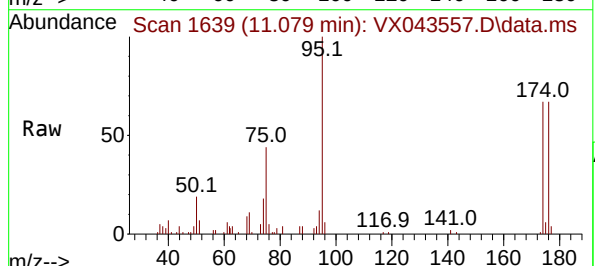
Tgt Ion: 95 Resp: 12799

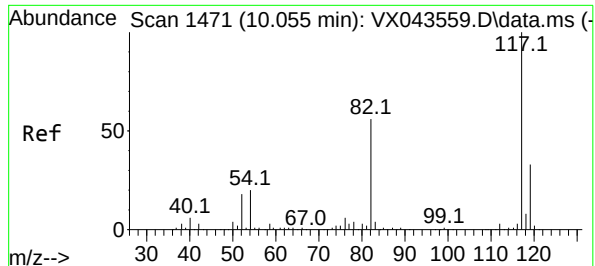
Ion Ratio Lower Upper

95 100

174 72.1 0.0 146.6

176 70.3 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 25006

Ion Ratio Lower Upper

117 100

82 54.1 42.1 63.1

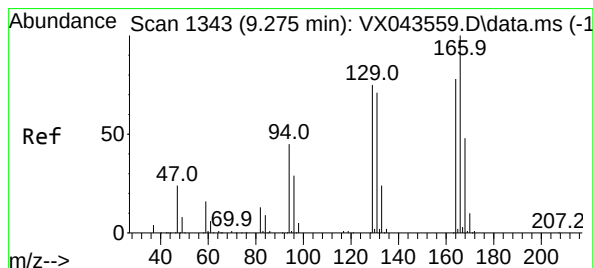
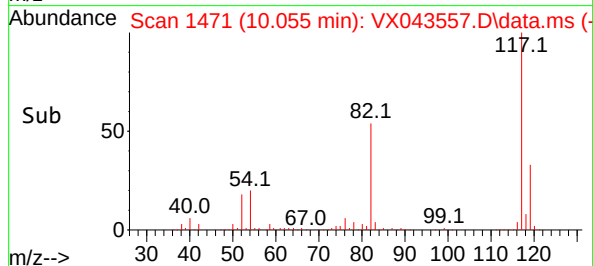
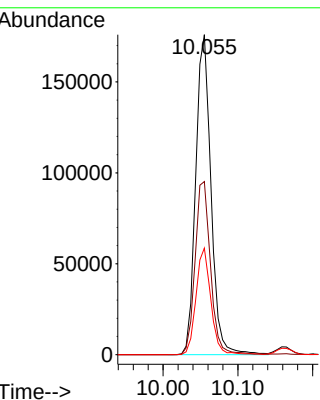
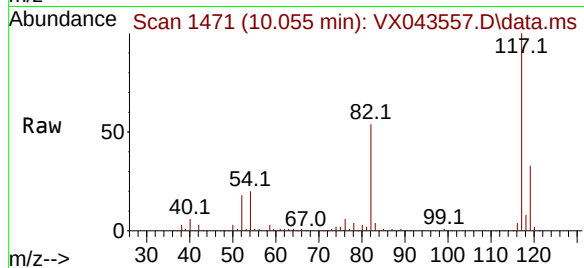
119 33.3 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#64

Tetrachloroethene

Concen: 5.154 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Tgt Ion:164 Resp: 8068

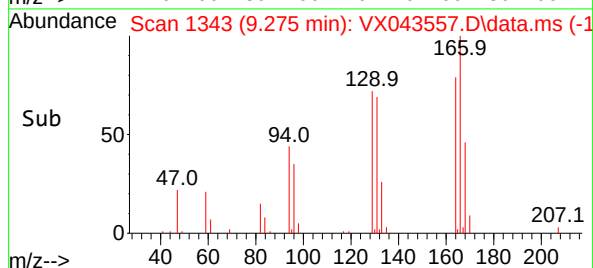
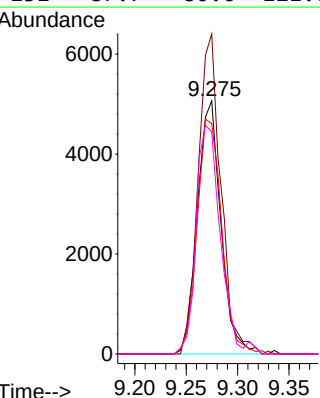
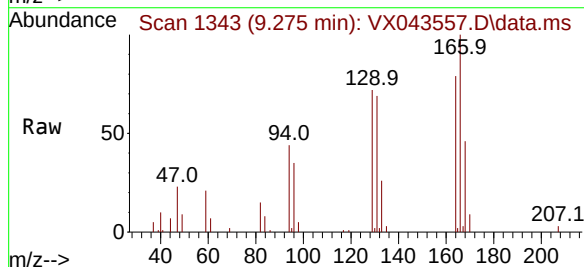
Ion Ratio Lower Upper

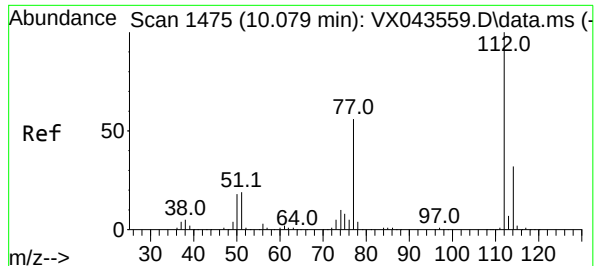
164 100

166 126.4 103.8 155.6

129 91.0 83.8 125.6

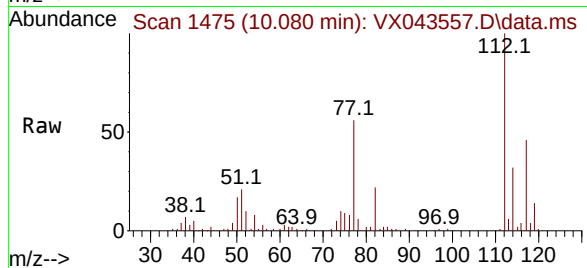
131 87.7 80.6 121.0





#65
Chlorobenzene
Concen: 5.337 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

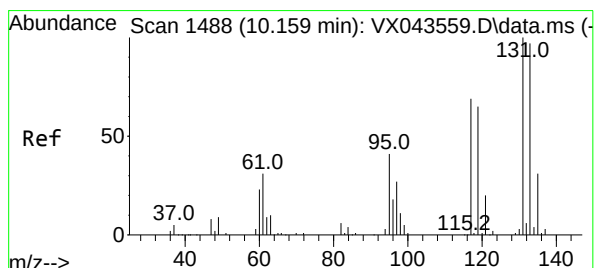
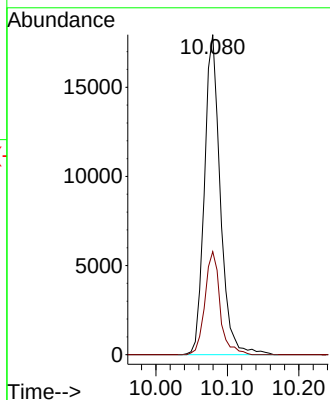
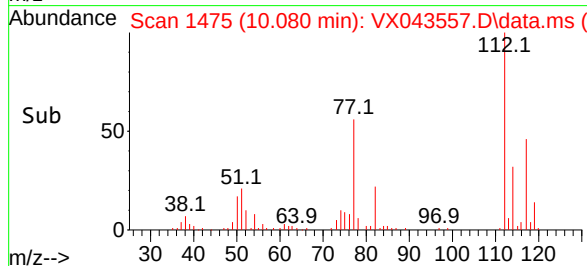
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:112 Resp: 2776
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6

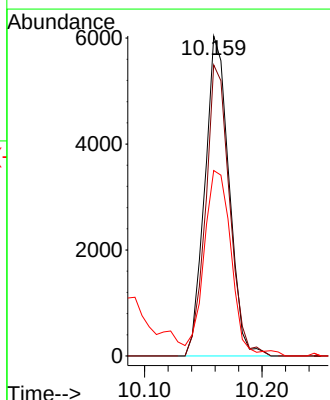
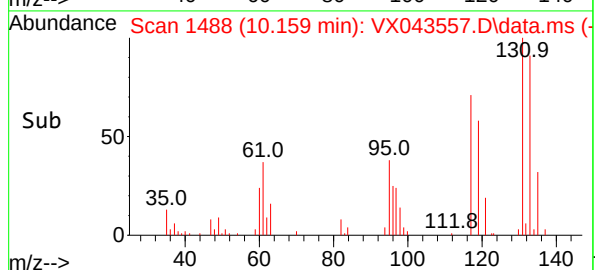
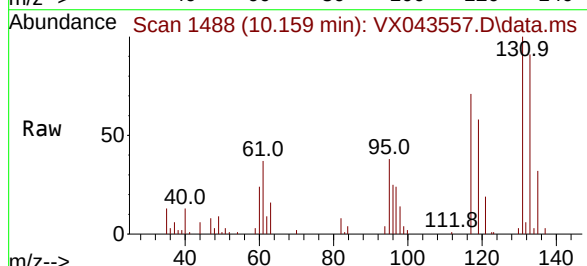
Manual Integrations
APPROVED

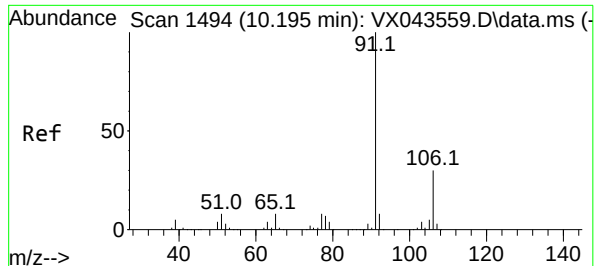
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 4.907 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:131 Resp: 8622
Ion Ratio Lower Upper
131 100
133 90.2 48.0 144.0
119 65.3 32.3 96.9





#67

Ethyl Benzene

Concen: 5.095 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 44094

Ion Ratio Lower Upper

91 100

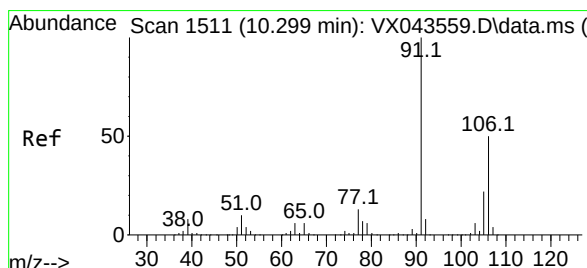
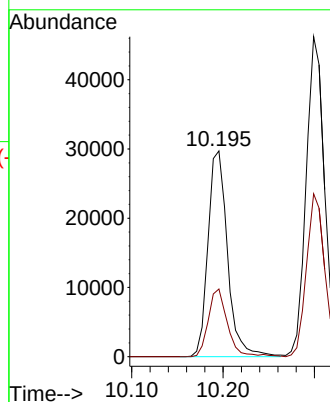
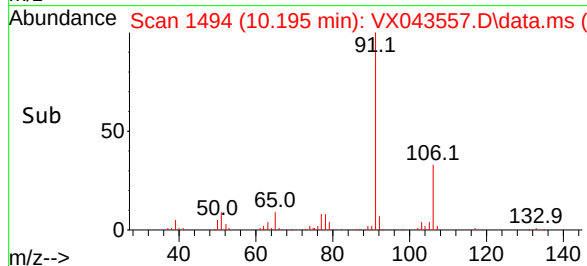
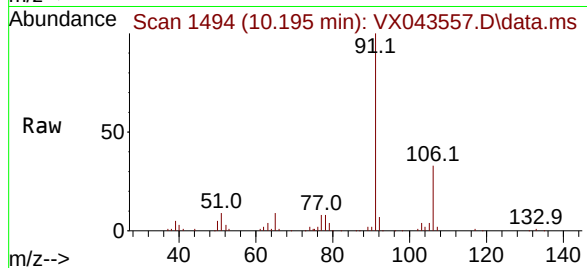
106 32.9 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#68

m/p-Xylenes

Concen: 10.367 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043557.D

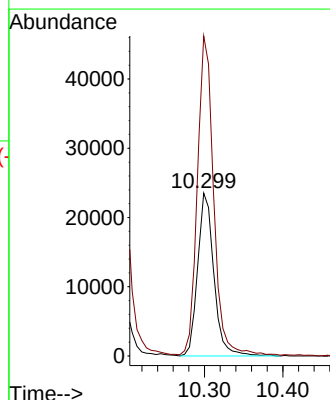
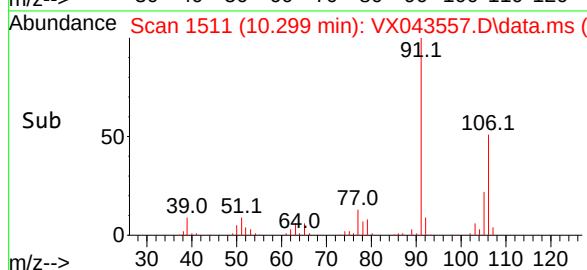
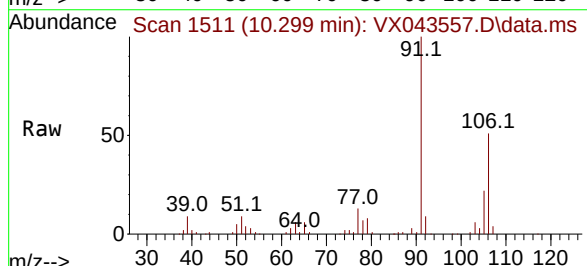
Acq: 28 Oct 2024 11:22

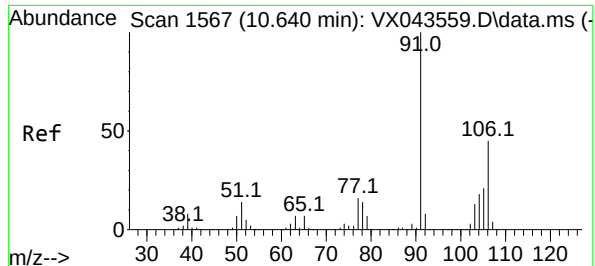
Tgt Ion:106 Resp: 33988

Ion Ratio Lower Upper

106 100

91 199.1 164.7 247.1





#69

o-Xylene

Concen: 5.181 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 1746

Ion Ratio Lower Upper

106 100

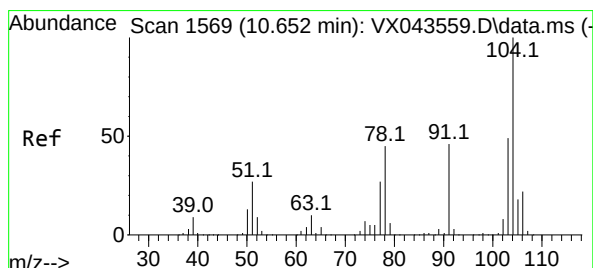
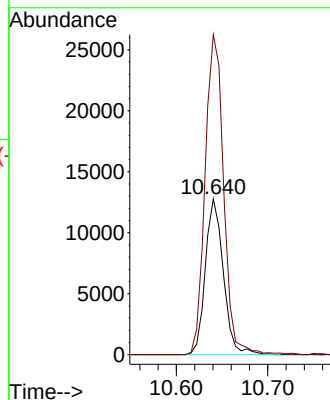
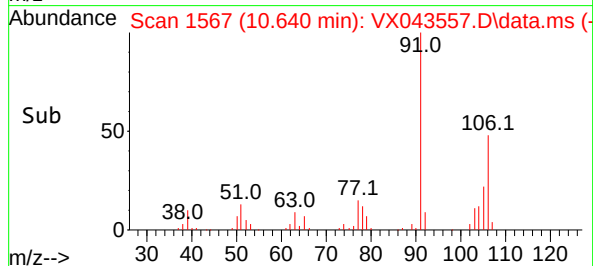
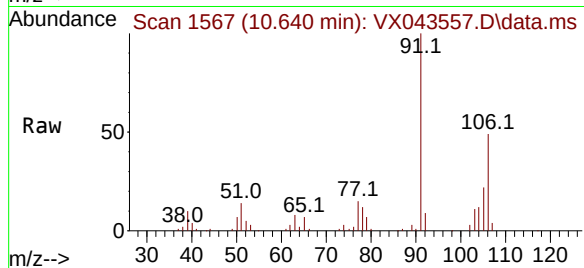
91 212.0 107.9 323.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#70

Styrene

Concen: 4.836 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

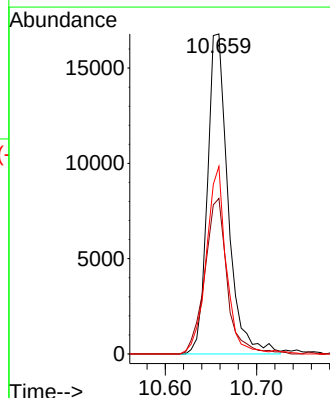
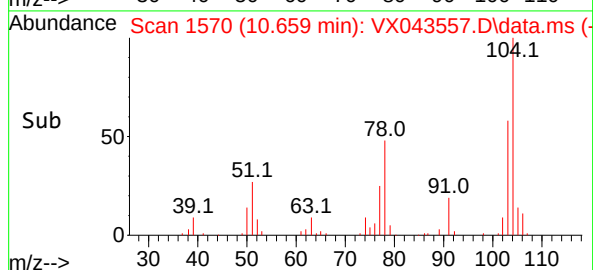
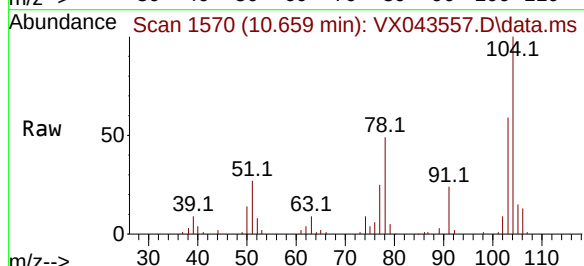
Tgt Ion:104 Resp: 26381

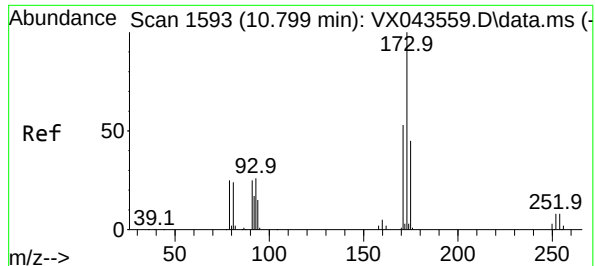
Ion Ratio Lower Upper

104 100

78 52.9 40.0 60.0

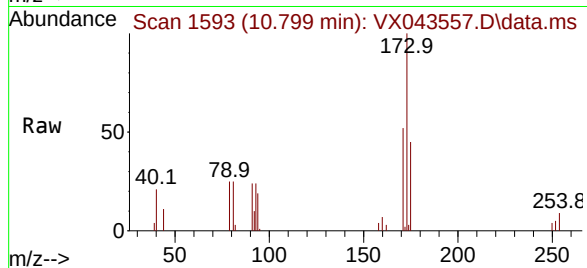
103 56.4 43.4 65.0





#71
Bromoform
Concen: 4.345 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

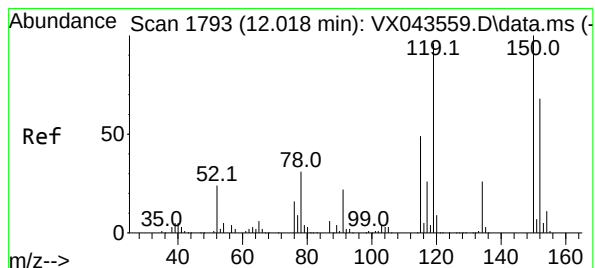
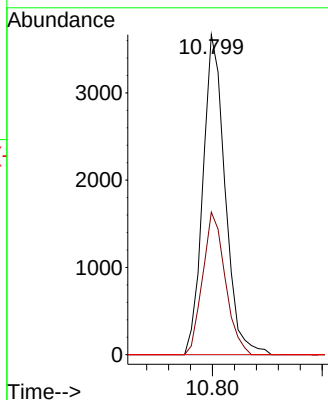
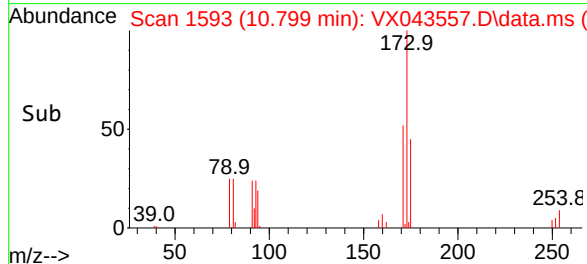
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:173 Resp: 514
Ion Ratio Lower Upper
173 100
175 45.3 23.3 69.9
254 0.0 0.0 0.0

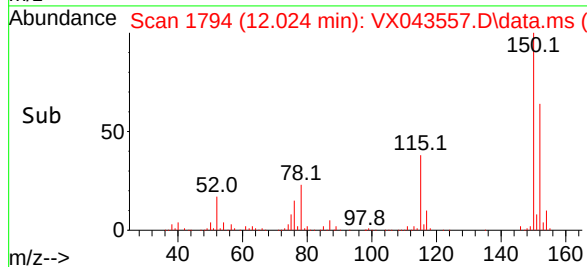
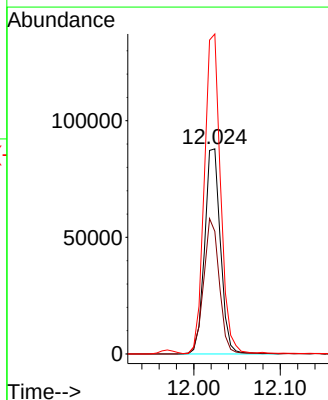
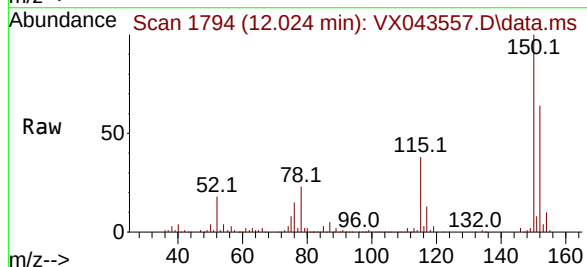
Manual Integrations
APPROVED

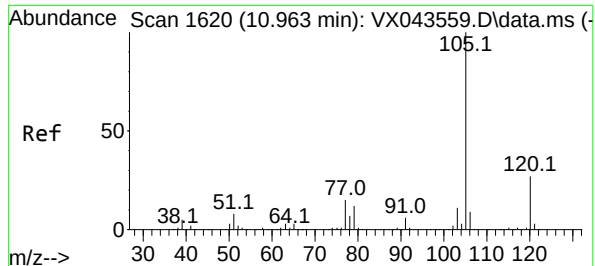
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:152 Resp: 111781
Ion Ratio Lower Upper
152 100
115 65.0 42.9 128.7
150 158.7 0.0 343.6





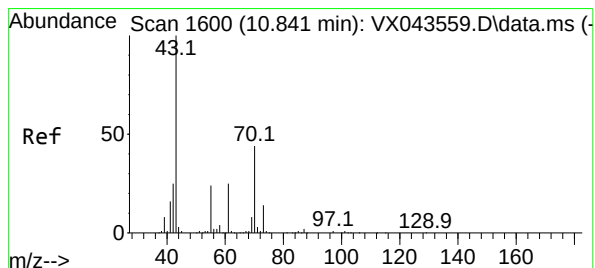
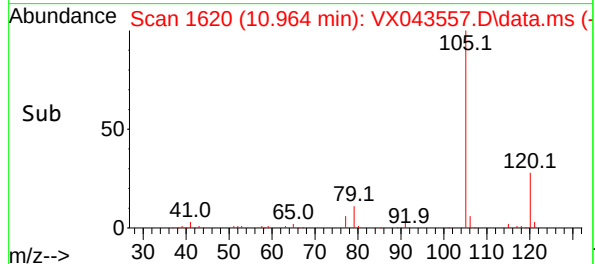
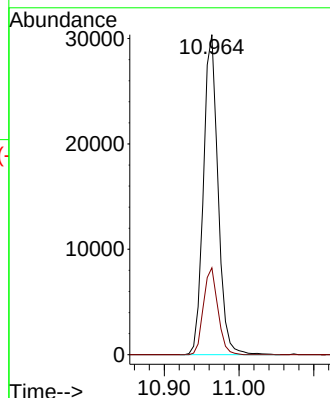
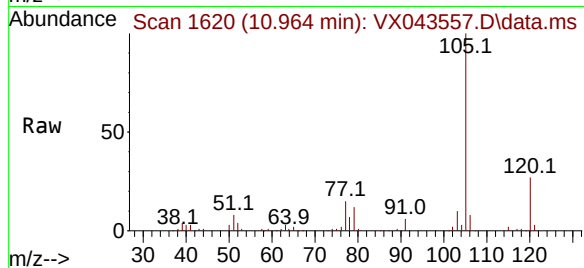
#73
Isopropylbenzene
Concen: 5.155 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 41185
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.6

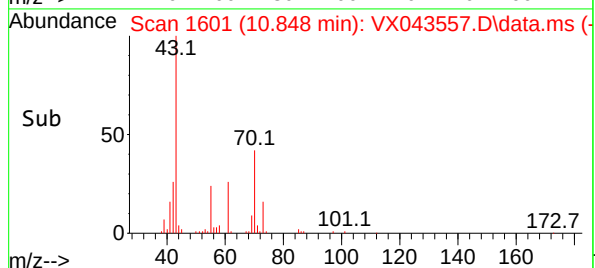
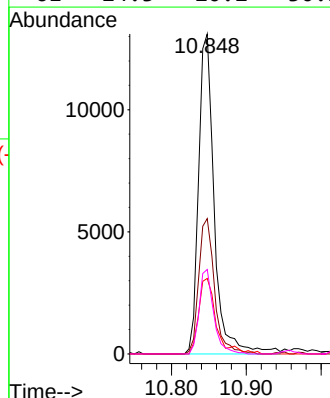
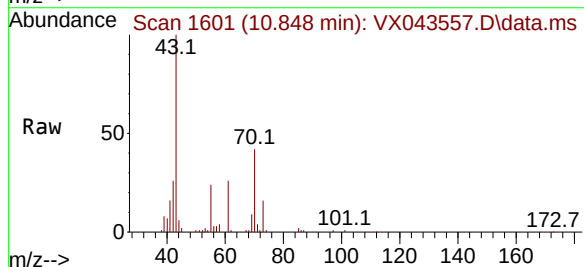
Manual Integrations
APPROVED

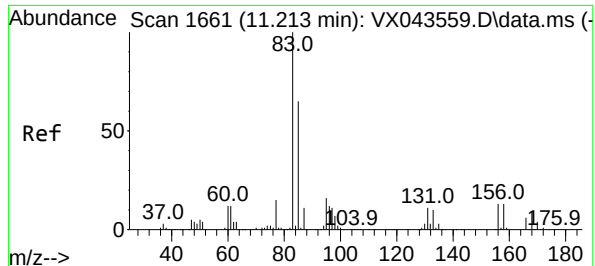
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#74
N-ethyl acetate
Concen: 4.750 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

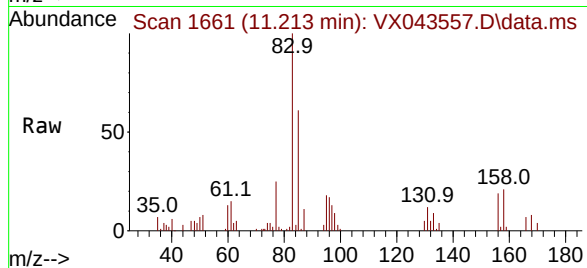
Tgt Ion: 43 Resp: 19116
Ion Ratio Lower Upper
43 100
70 42.7 34.6 52.0
55 26.1 19.6 29.4
61 24.3 20.2 30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 4.947 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

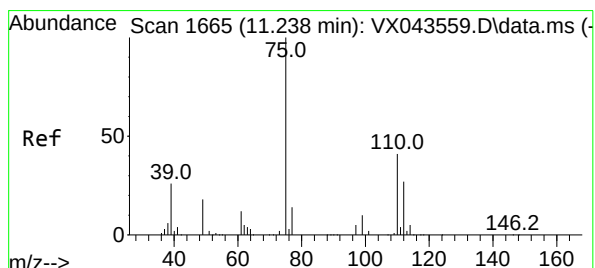
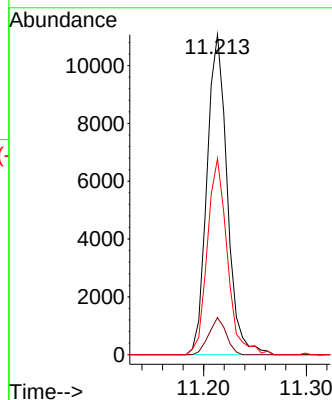
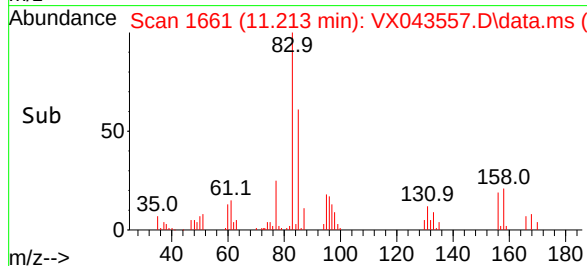
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 1514
Ion Ratio Lower Upper
83 100
131 10.0 5.3 15.9
85 60.6 32.4 97.0

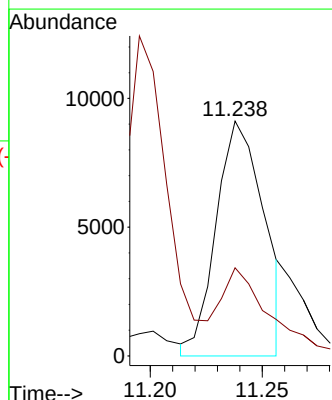
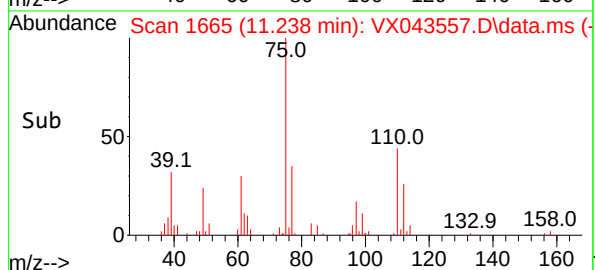
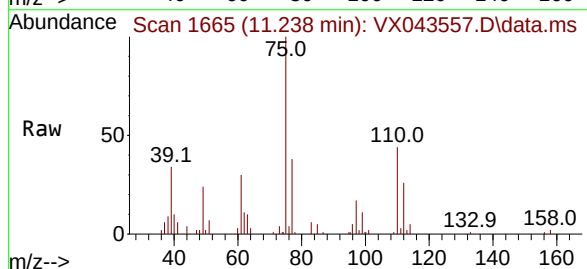
Manual Integrations
APPROVED

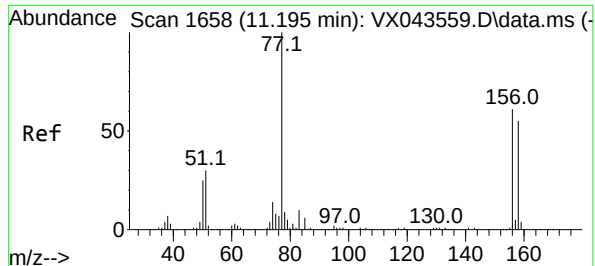
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#76
1,2,3-Trichloropropane
Concen: 5.206 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

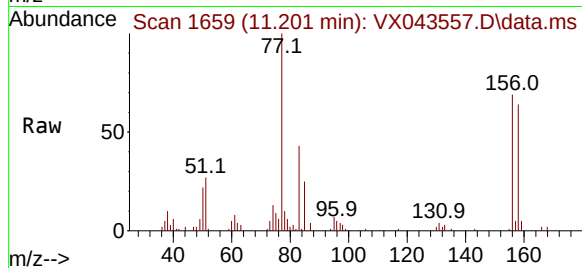
Tgt Ion: 75 Resp: 13527
Ion Ratio Lower Upper
75 100
77 38.2 22.4 67.2





#77
Bromobenzene
Concen: 5.179 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

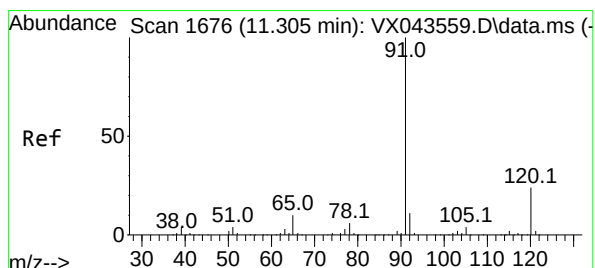
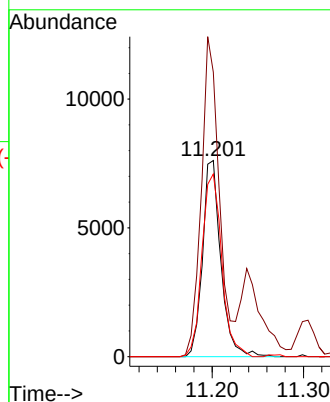
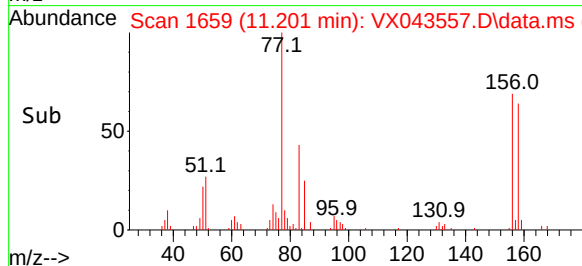
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



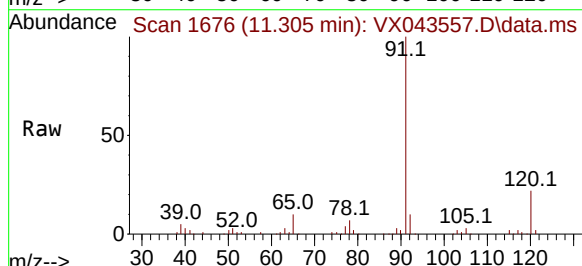
Tgt Ion:156 Resp: 10564
Ion Ratio Lower Upper
156 100
77 161.5 79.7 239.1
158 101.2 48.0 144.0

Manual Integrations
APPROVED

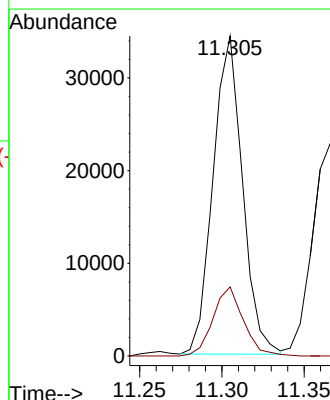
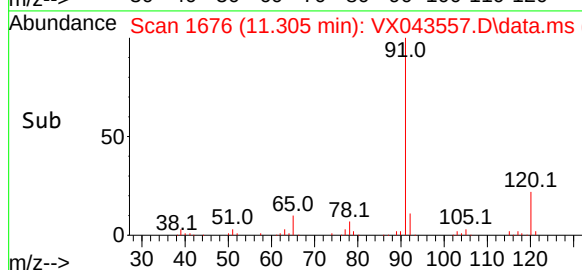
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

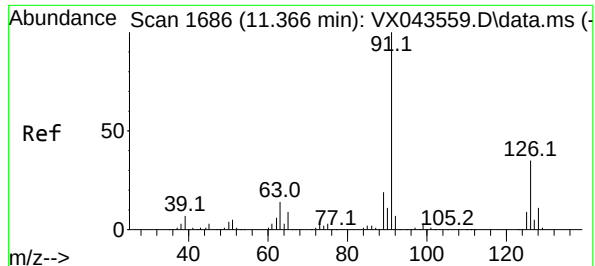


#78
n-propylbenzene
Concen: 5.013 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22



Tgt Ion: 91 Resp: 42687
Ion Ratio Lower Upper
91 100
120 22.4 11.6 34.7





#79

2-Chlorotoluene

Concen: 5.237 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 2992

Ion Ratio Lower Upper

91 100

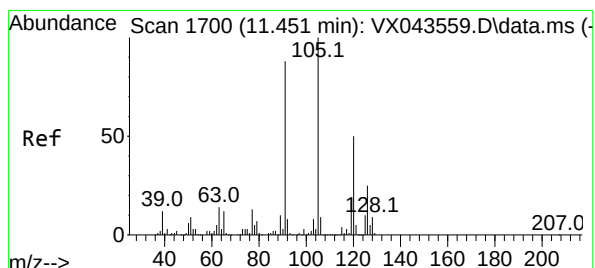
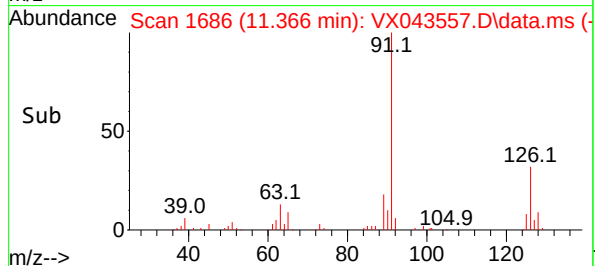
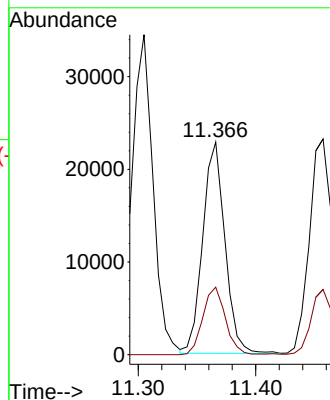
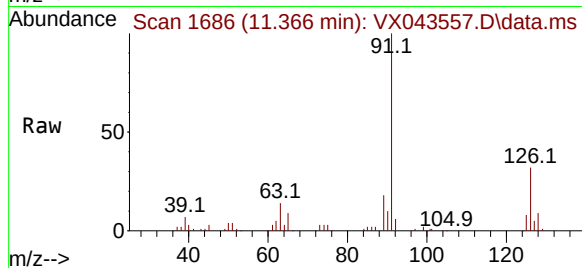
126 32.5 16.7 50.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#80

1,3,5-Trimethylbenzene

Concen: 5.232 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043557.D

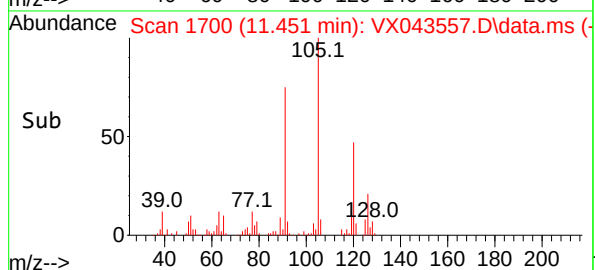
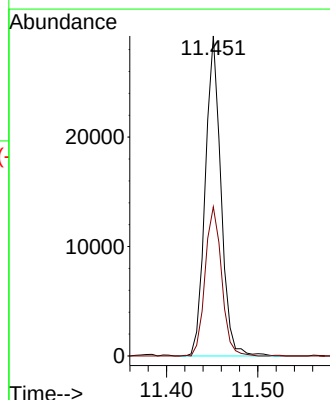
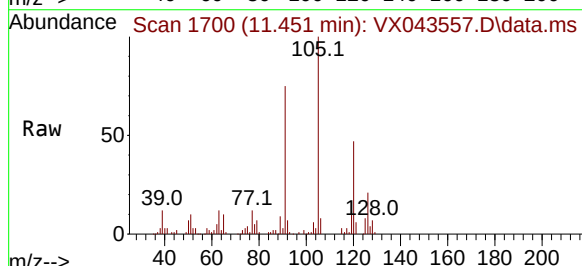
Acq: 28 Oct 2024 11:22

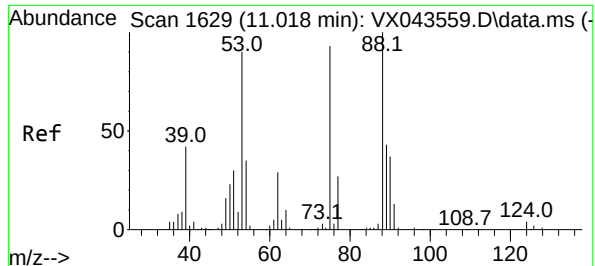
Tgt Ion:105 Resp: 34706

Ion Ratio Lower Upper

105 100

120 49.0 23.8 71.5





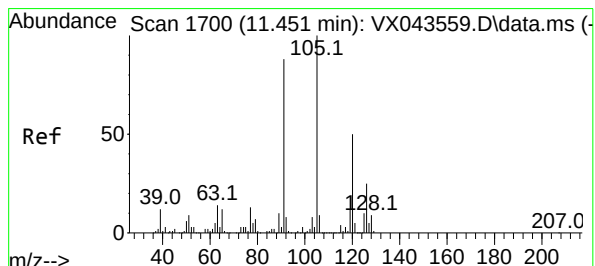
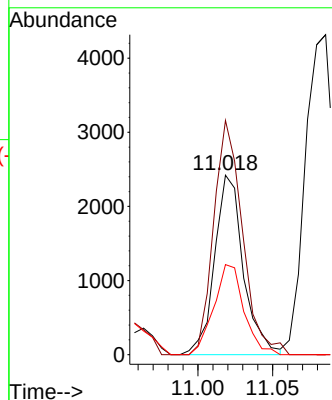
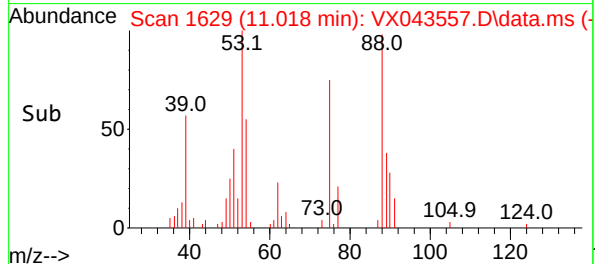
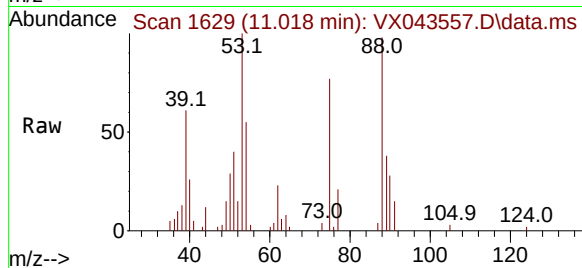
#81
trans-1,4-Dichloro-2-butene
Concen: 3.808 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	130.4	84.6	126.8
89	52.5	38.6	58.0

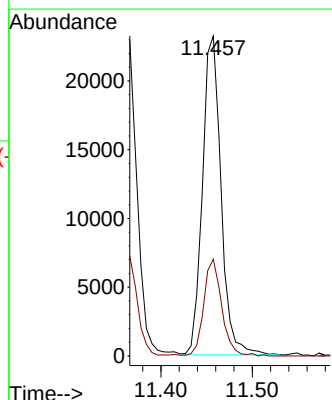
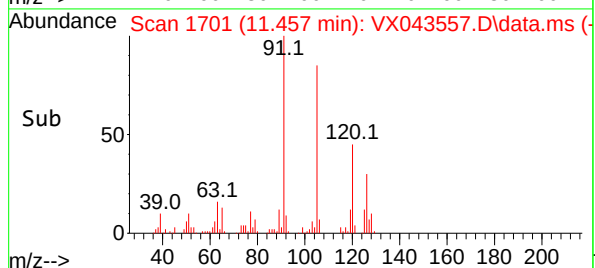
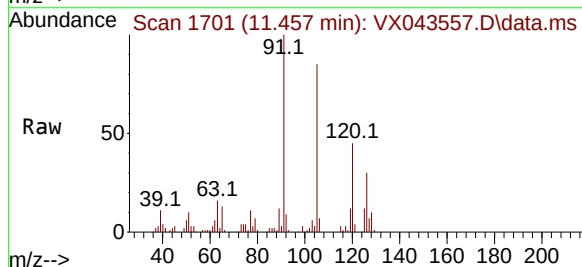
Manual Integrations
APPROVED

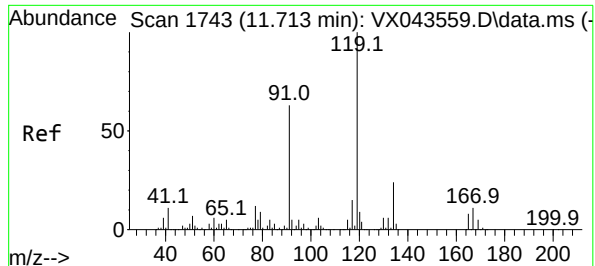
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#82
4-Chlorotoluene
Concen: 5.163 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

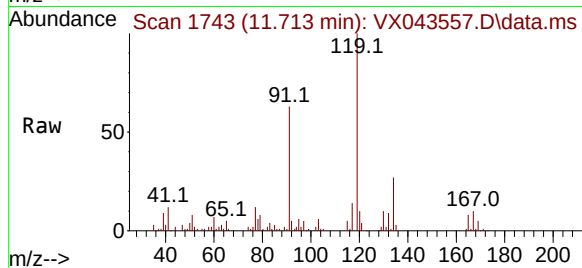
Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.2	42.8





#83
tert-Butylbenzene
Concen: 5.122 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

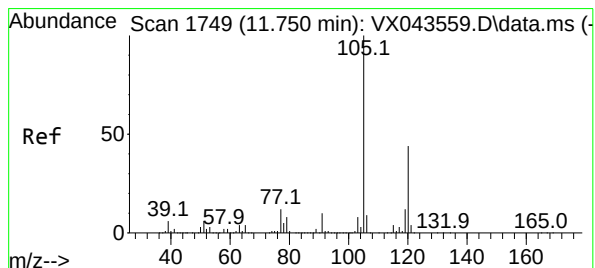
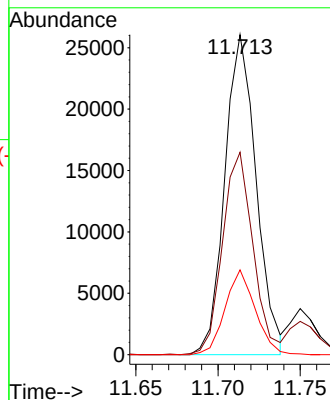
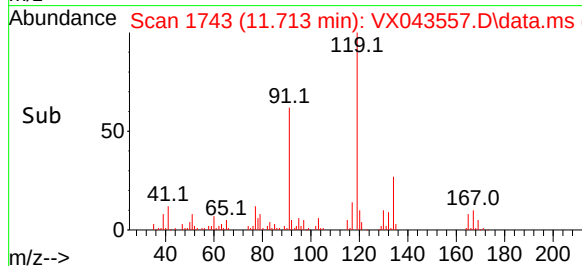
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.6	29.5	88.5
134	25.5	11.8	35.3

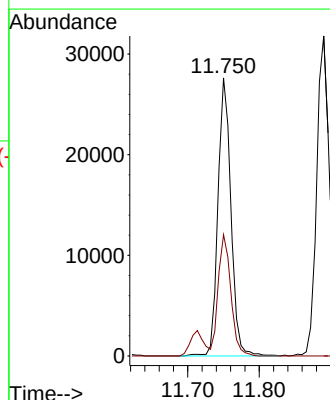
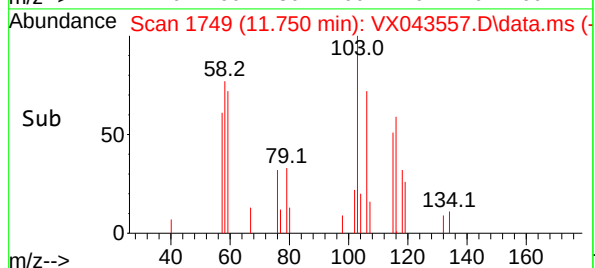
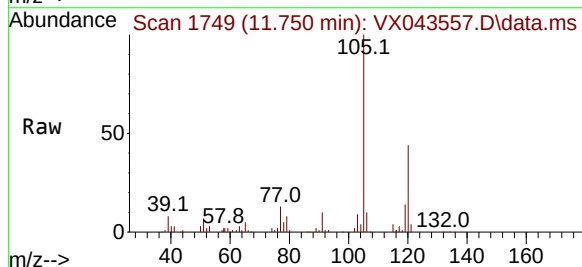
Manual Integrations
APPROVED

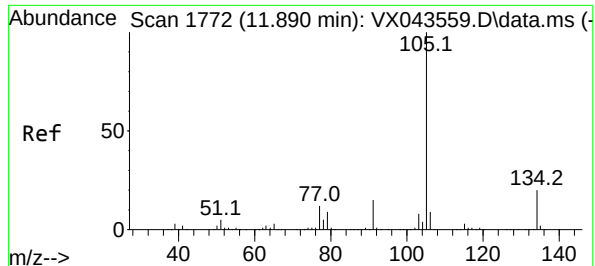
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#84
1,2,4-Trimethylbenzene
Concen: 5.125 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	22.1	66.1





#85

sec-Butylbenzene

Concen: 5.078 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 39780

Ion Ratio Lower Upper

105 100

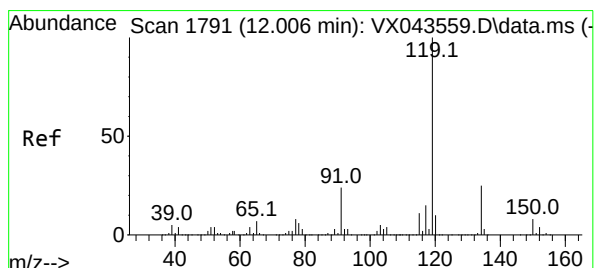
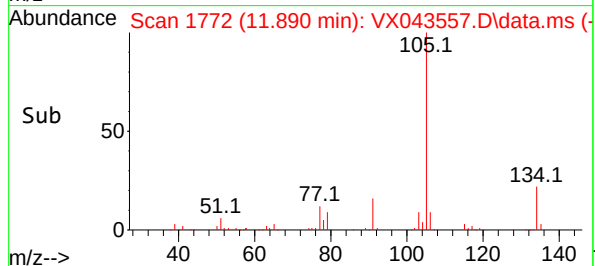
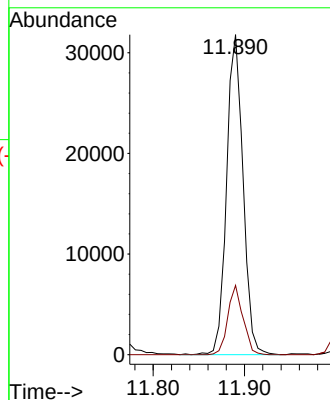
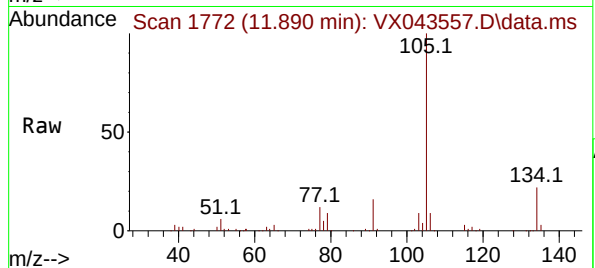
134 20.0 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#86

p-Isopropyltoluene

Concen: 5.139 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

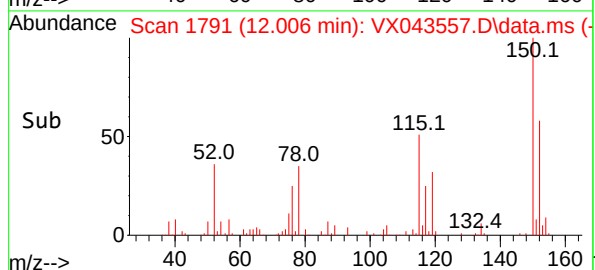
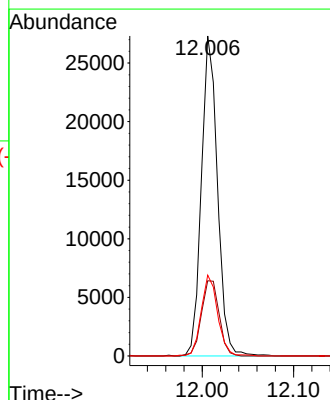
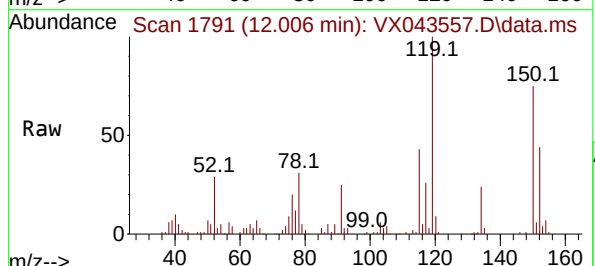
Tgt Ion:119 Resp: 33359

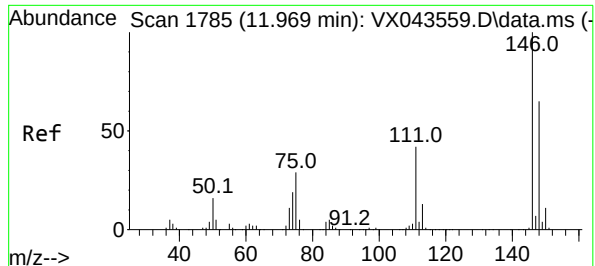
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

91 26.0 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 5.178 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

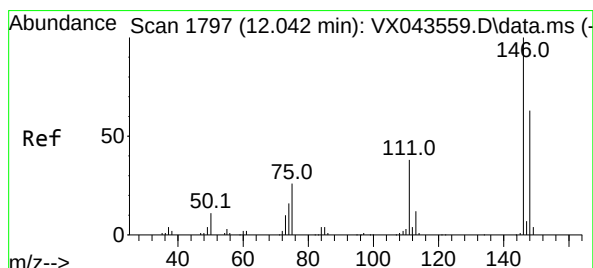
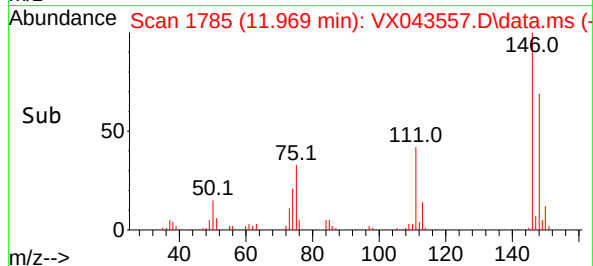
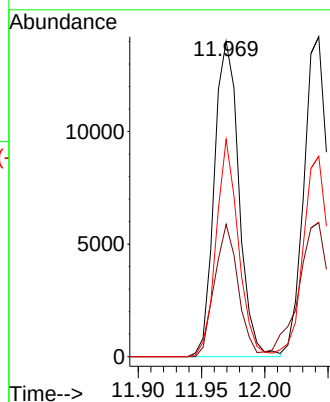
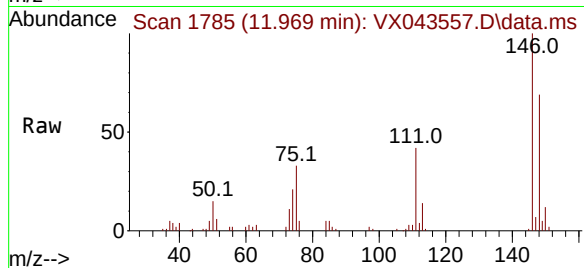
VSTDIC005

Tgt Ion:	146	Resp:	1895
Ion Ratio	Lower	Upper	
146	100		
111	40.3	21.1	63.4
148	62.5	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#88

1,4-Dichlorobenzene

Concen: 5.210 ug/l

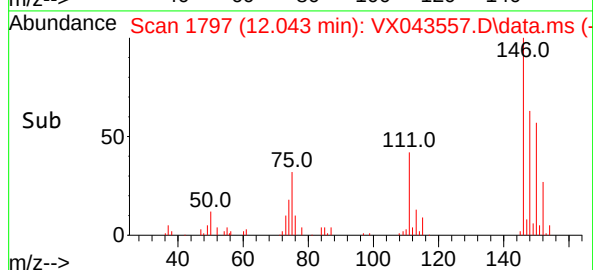
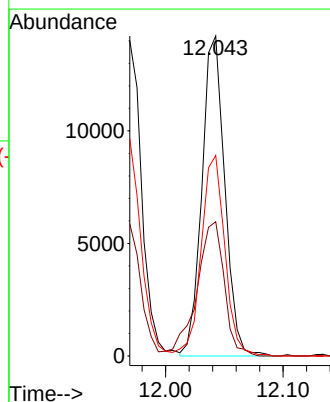
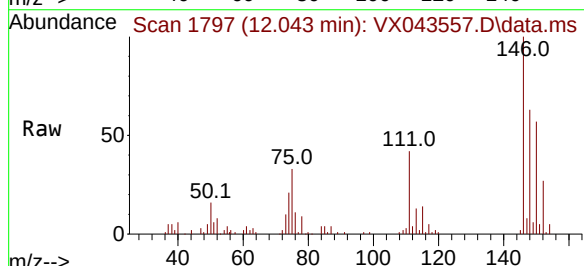
RT: 12.043 min Scan# 1797

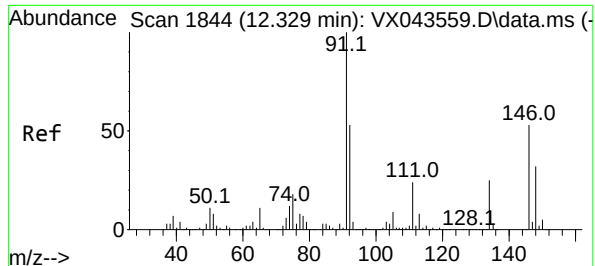
Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Tgt Ion:	146	Resp:	19222
Ion Ratio	Lower	Upper	
146	100		
111	50.3	20.4	61.3
148	64.8	31.9	95.9





#89

n-Butylbenzene

Concen: 4.736 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

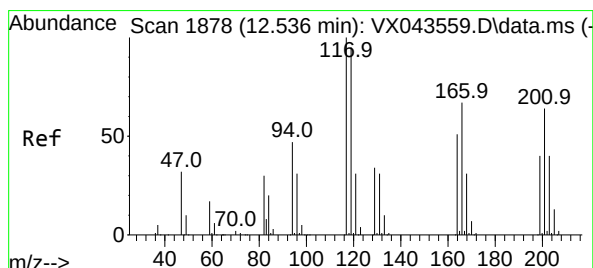
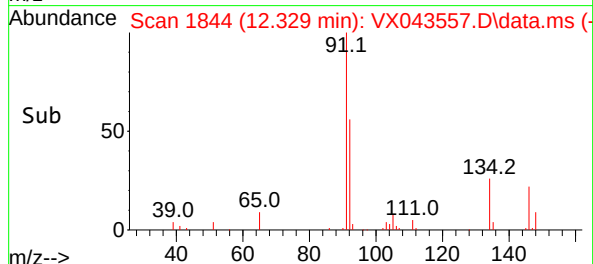
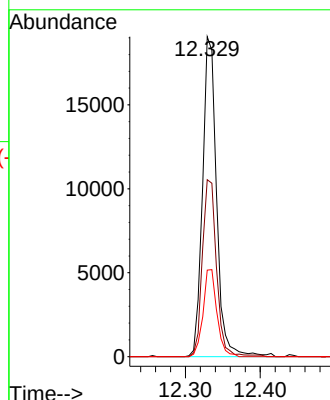
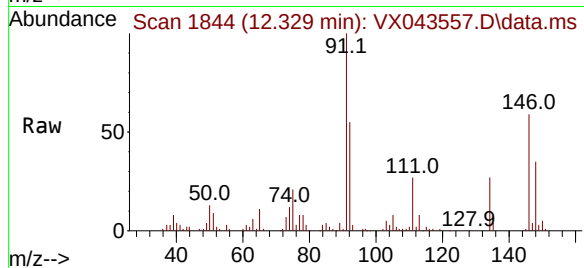
VSTDIC005

Tgt Ion: 91	Resp: 2492
Ion Ratio	Lower Upper
91	100
92	55.7 27.1 81.2
134	26.9 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#90

Hexachloroethane

Concen: 4.480 ug/l

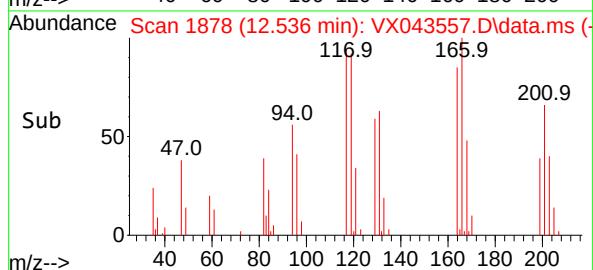
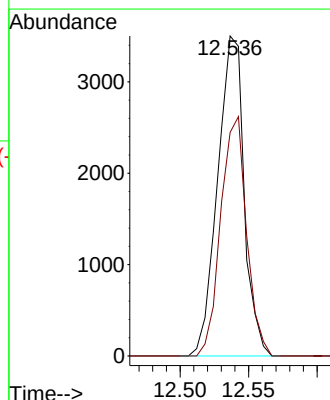
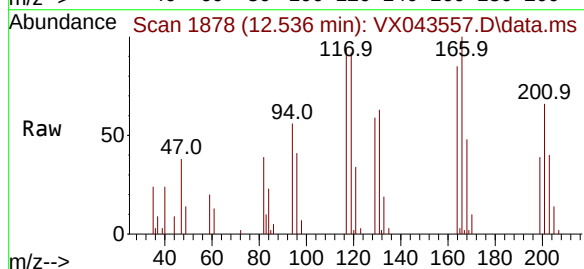
RT: 12.536 min Scan# 1878

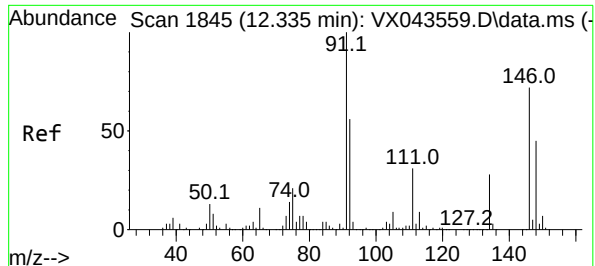
Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

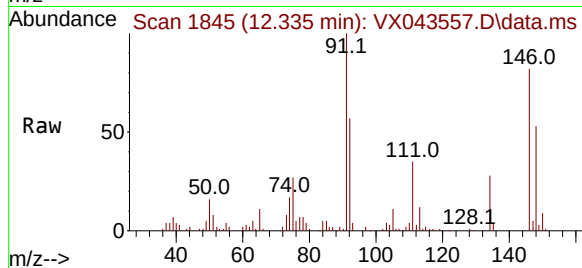
Tgt Ion:117	Resp: 4704
Ion Ratio	Lower Upper
117	100
201	72.9 32.9 98.7





#91
1,2-Dichlorobenzene
Concen: 5.139 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

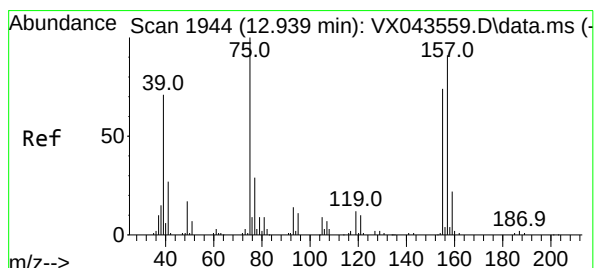
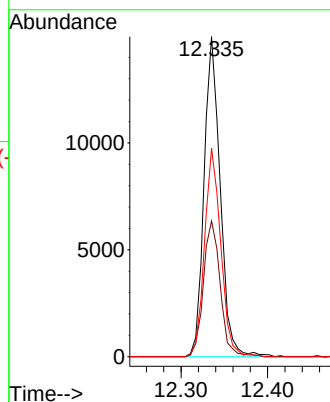
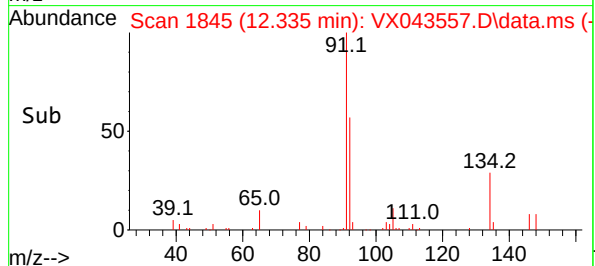
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:146 Resp: 19394
Ion Ratio Lower Upper
146 100
111 44.0 21.6 64.6
148 65.5 31.6 95.0

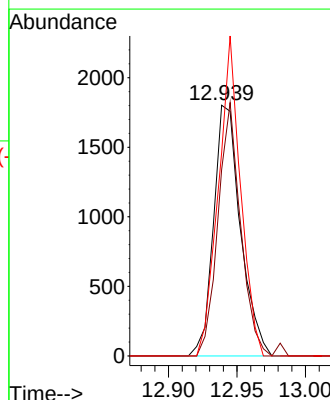
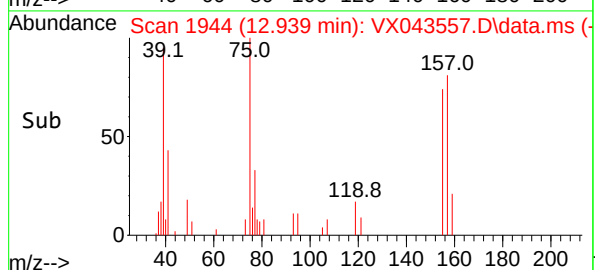
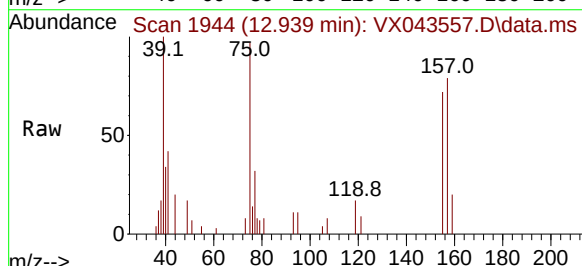
Manual Integrations
APPROVED

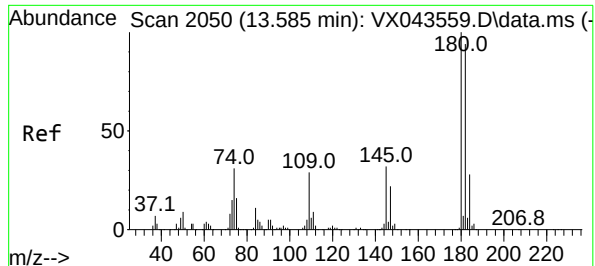
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.771 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 75 Resp: 2456
Ion Ratio Lower Upper
75 100
155 84.8 40.1 120.3
157 105.3 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 5.098 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

Instrument :

MSVOA_X

ClientSampleId :

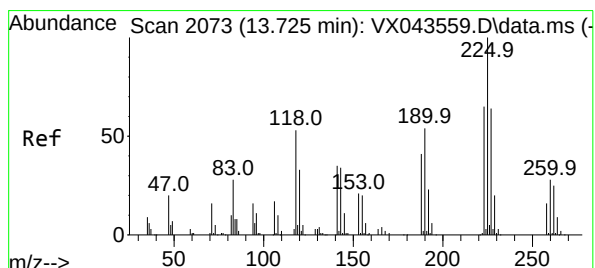
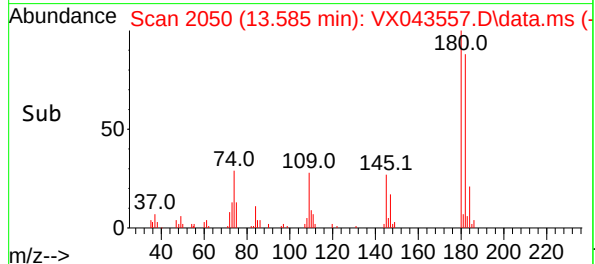
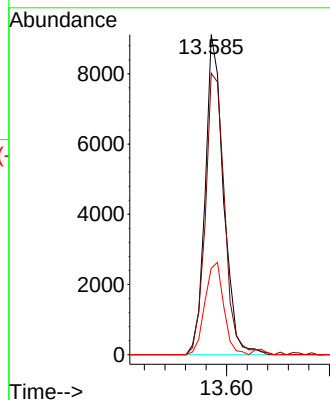
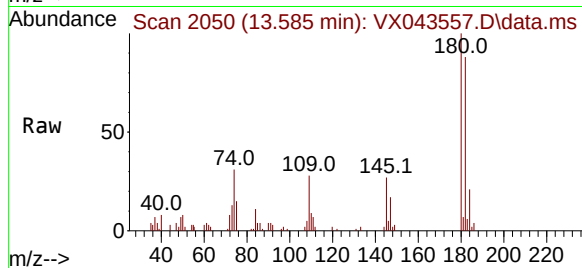
VSTDIC005

Tgt Ion:	180	Resp:	1126
Ion Ratio	Lower	Upper	
180	100		
182	92.3	46.8	140.4
145	29.5	16.1	48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#94

Hexachlorobutadiene

Concen: 5.239 ug/l

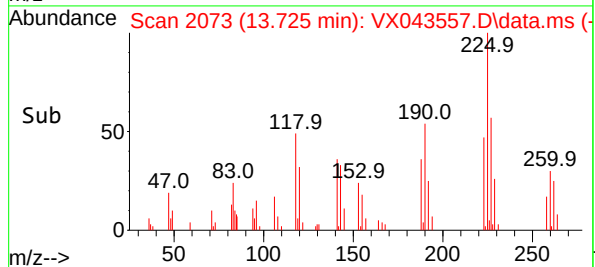
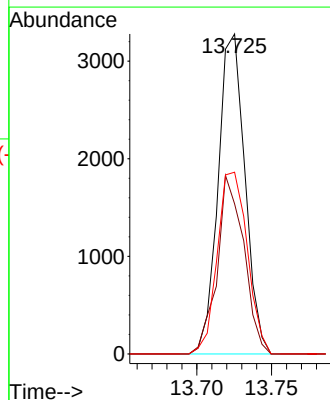
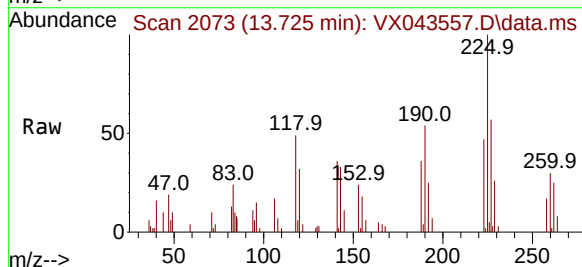
RT: 13.725 min Scan# 2073

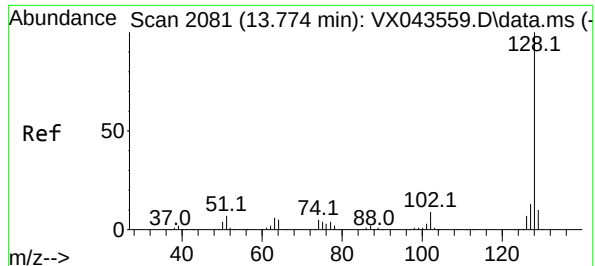
Delta R.T. 0.000 min

Lab File: VX043557.D

Acq: 28 Oct 2024 11:22

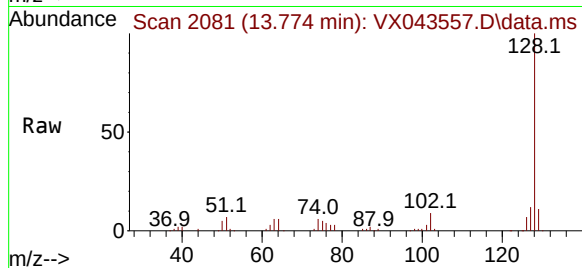
Tgt Ion:	225	Resp:	4097
Ion Ratio	Lower	Upper	
225	100		
223	55.2	30.8	92.4
227	63.4	31.6	94.8





#95
Naphthalene
Concen: 4.613 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

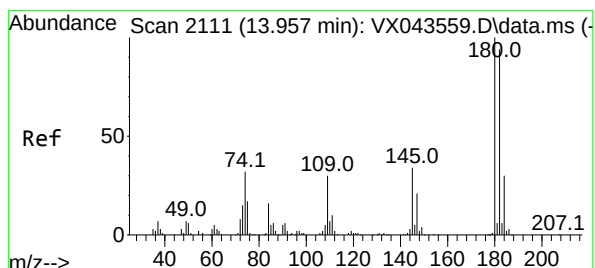
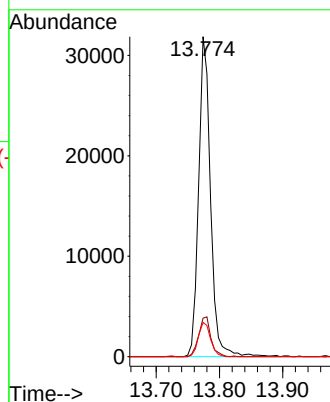
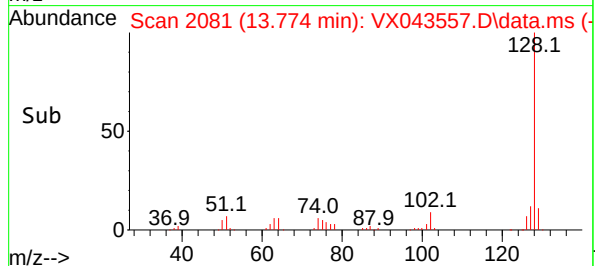
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



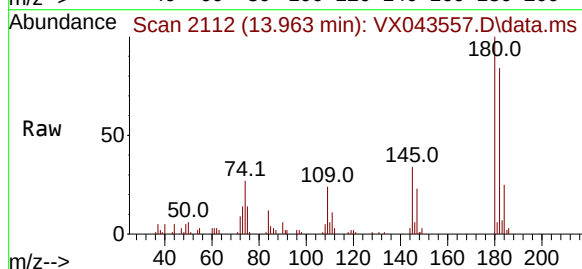
Tgt Ion:128 Resp: 41834
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.7 13.1

Manual Integrations
APPROVED

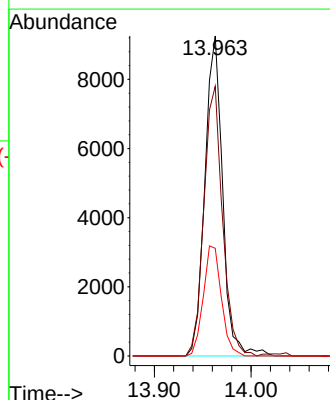
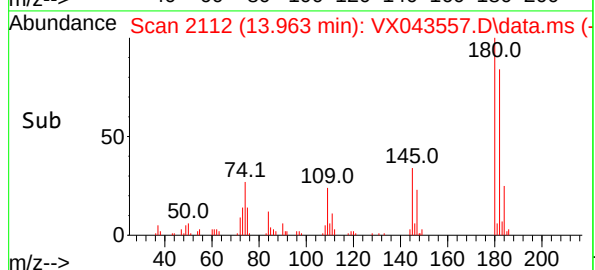
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 5.110 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22



Tgt Ion:180 Resp: 11815
Ion Ratio Lower Upper
180 100
182 88.5 47.1 141.3
145 35.2 17.4 52.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043558.D
 Acq On : 28 Oct 2024 11:45
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/29/2024
 Supervised By : Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	159966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	291315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	119710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	50818	20.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.060%#		
35) Dibromofluoromethane	5.385	113	39238	20.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.460%#		
50) Toluene-d8	8.647	98	140572	20.900	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.800%#		
62) 4-Bromofluorobenzene	11.079	95	50243	20.452	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.900%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35334	19.816	ug/l	97
3) Chloromethane	1.294	50	43361	19.061	ug/l	99
4) Vinyl Chloride	1.374	62	40804	19.692	ug/l	99
5) Bromomethane	1.599	94	15764	19.478	ug/l	94
6) Chloroethane	1.666	64	13552	19.988	ug/l	100
7) Trichlorofluoromethane	1.861	101	45410	16.698	ug/l	99
8) Diethyl Ether	2.136	74	22721	19.128	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	33400	19.458	ug/l	98
10) Methyl Iodide	2.441	142	48753	20.510	ug/l	97
11) Tert butyl alcohol	3.050	59	42004m	77.502	ug/l	
12) 1,1-Dichloroethene	2.300	96	33343	19.757	ug/l	98
13) Acrolein	2.239	56	38776	90.794	ug/l	99
14) Allyl chloride	2.654	41	57560	19.220	ug/l	99
15) Acrylonitrile	3.075	53	105959	88.256	ug/l	98
16) Acetone	2.398	43	93987	86.771	ug/l	99
17) Carbon Disulfide	2.495	76	64452	18.450	ug/l	100
18) Methyl Acetate	2.709	43	56319	17.301	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	130430	19.863	ug/l	96
20) Methylene Chloride	2.782	84	42392	20.027	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	36925	20.210	ug/l	97
22) Diisopropyl ether	3.770	45	126839	20.521	ug/l	93
23) Vinyl Acetate	3.721	43	514244	100.709	ug/l	99
24) 1,1-Dichloroethane	3.605	63	70569	20.241	ug/l	98
25) 2-Butanone	4.574	43	146114	88.817	ug/l	98
26) 2,2-Dichloropropane	4.465	77	57622	22.931	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	45798	20.118	ug/l	99
28) Bromochloromethane	4.897	49	33980	19.701	ug/l	100
29) Tetrahydrofuran	5.013	42	95553	88.955	ug/l	100
30) Chloroform	5.086	83	74554	19.996	ug/l	95
31) Cyclohexane	5.464	56	56622	20.469	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62556	19.966	ug/l	98
36) 1,1-Dichloropropene	5.684	75	47520	20.699	ug/l	99
37) Ethyl Acetate	4.727	43	58054	18.528	ug/l	100
38) Carbon Tetrachloride	5.666	117	49282	18.891	ug/l	96
39) Methylcyclohexane	7.373	83	59999	20.379	ug/l	98
40) Benzene	6.031	78	161123	20.995	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043558.D
 Acq On : 28 Oct 2024 11:45
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
 Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	30325	19.241	ug/l	95
42) 1,2-Dichloroethane	6.086	62	58281	20.645	ug/l	99
43) Isopropyl Acetate	6.348	43	92676	18.698	ug/l	98
44) Trichloroethene	7.123	130	39344	21.623	ug/l	94
45) 1,2-Dichloropropane	7.427	63	37857	20.200	ug/l	93
46) Dibromomethane	7.580	93	30097	20.905	ug/l	99
47) Bromodichloromethane	7.824	83	50694	19.849	ug/l	100
48) Methyl methacrylate	7.696	41	45592	19.703	ug/l	99
49) 1,4-Dioxane	7.683	88	15361	258.381	ug/l #	75
51) 4-Methyl-2-Pentanone	8.580	43	295125	93.974	ug/l	100
52) Toluene	8.720	92	100958	21.337	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	56483	21.853	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	62338	21.962	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	40197	20.132	ug/l	99
56) Ethyl methacrylate	9.116	69	65359	20.255	ug/l	97
57) 1,3-Dichloropropane	9.305	76	68675	20.831	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	167179	105.324	ug/l	98
59) 2-Hexanone	9.433	43	221604	93.320	ug/l	100
60) Dibromochloromethane	9.519	129	38713	20.721	ug/l	99
61) 1,2-Dibromoethane	9.610	107	42059	20.896	ug/l	97
64) Tetrachloroethene	9.269	164	33267	20.871	ug/l	90
65) Chlorobenzene	10.079	112	110251	20.814	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	35663	19.934	ug/l	98
67) Ethyl Benzene	10.189	91	183192	20.790	ug/l	98
68) m/p-Xylenes	10.299	106	144291	43.222	ug/l	96
69) o-Xylene	10.640	106	71049	20.704	ug/l	98
70) Styrene	10.652	104	119564	21.527	ug/l	100
71) Bromoform	10.799	173	23453	19.445	ug/l #	98
73) Isopropylbenzene	10.963	105	177401	20.733	ug/l	99
74) N-amyl acetate	10.841	43	83132	19.288	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	63016	19.225	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	55850m	20.069	ug/l	
77) Bromobenzene	11.195	156	44364	20.310	ug/l	98
78) n-propylbenzene	11.305	91	194707	21.351	ug/l	100
79) 2-Chlorotoluene	11.366	91	126983	20.753	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	149254	21.008	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	17057	18.703	ug/l	96
82) 4-Chlorotoluene	11.451	91	140875	20.804	ug/l	98
83) tert-Butylbenzene	11.713	119	150766	20.809	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	152608	21.002	ug/l	99
85) sec-Butylbenzene	11.890	105	178042	21.218	ug/l	98
86) p-Isopropyltoluene	12.006	119	149537	21.511	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	78867	20.122	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	81095	20.525	ug/l	99
89) n-Butylbenzene	12.329	91	120461	21.375	ug/l	99
90) Hexachloroethane	12.536	117	22769	20.246	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	81283	20.112	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12277	17.603	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	47851	20.219	ug/l	99
94) Hexachlorobutadiene	13.725	225	18082	21.589	ug/l	97
95) Naphthalene	13.774	128	191837	19.754	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	51568	20.826	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

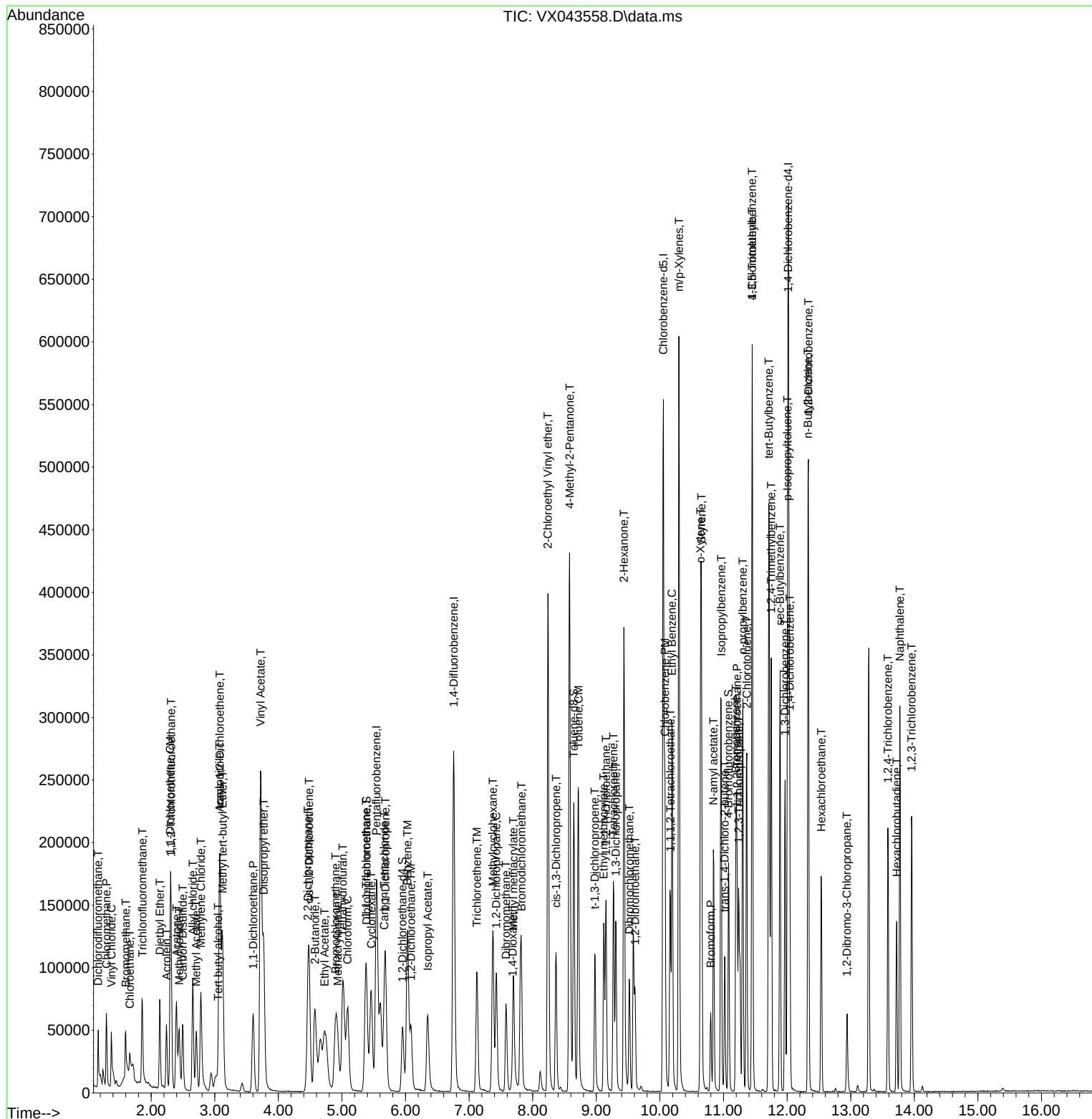
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Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

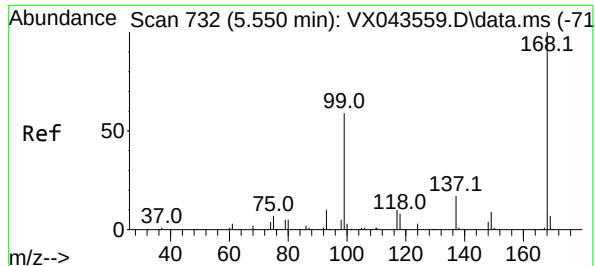
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration





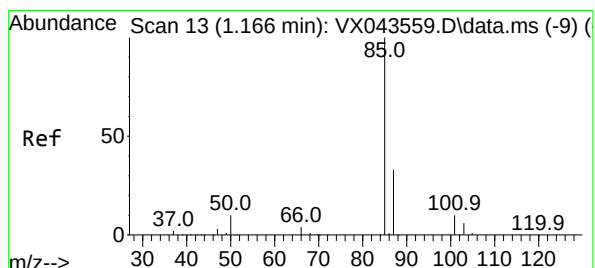
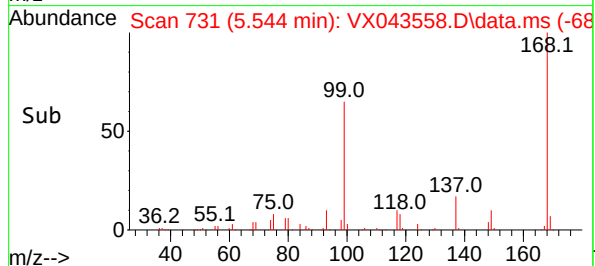
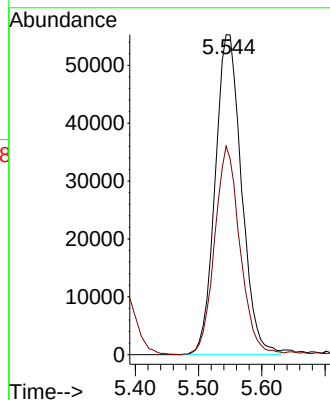
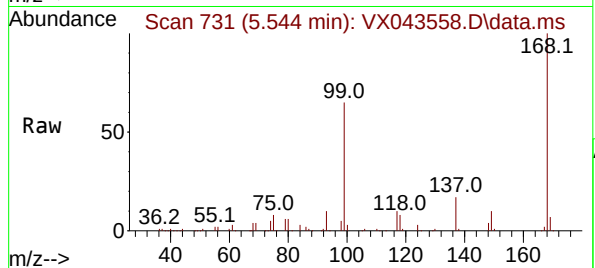
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 159960
Ion Ratio Lower Upper
168 100
99 65.2 52.6 78.8

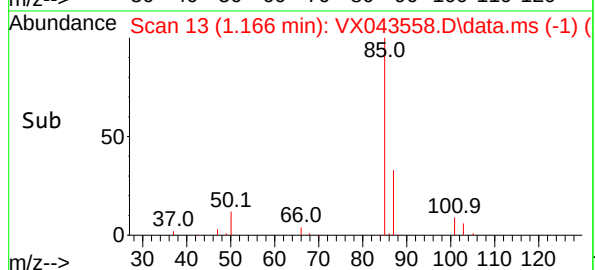
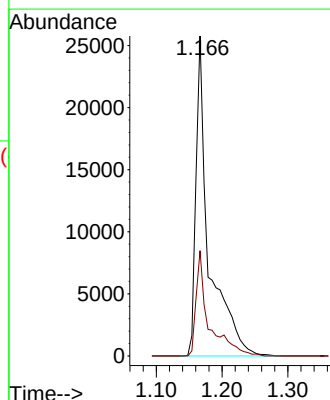
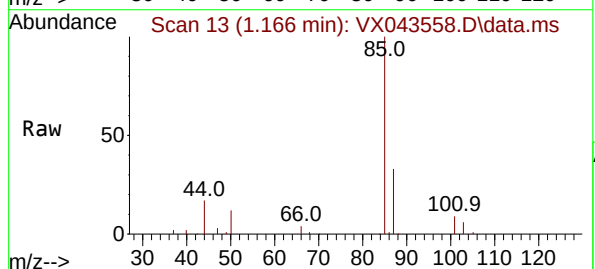
Manual Integrations
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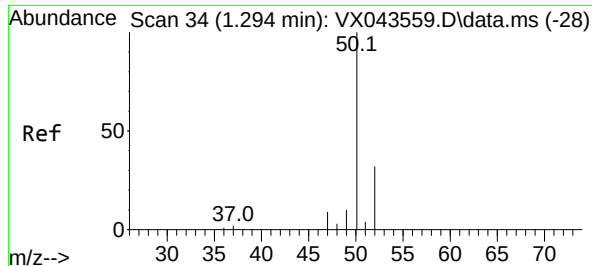
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#2
Dichlorodifluoromethane
Concen: 19.816 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 85 Resp: 35334
Ion Ratio Lower Upper
85 100
87 32.9 15.7 47.0





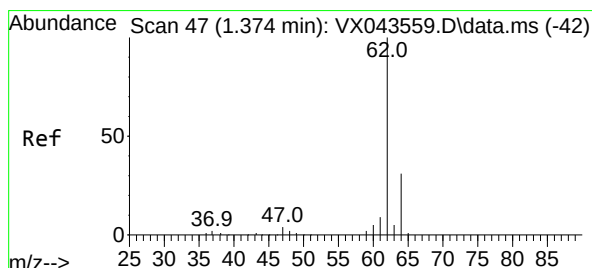
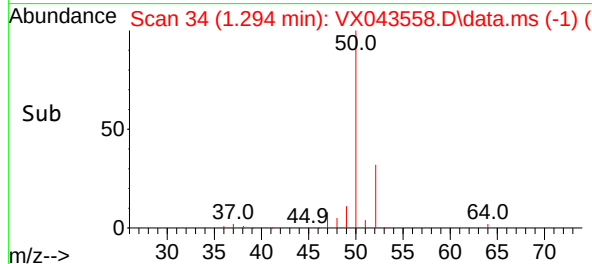
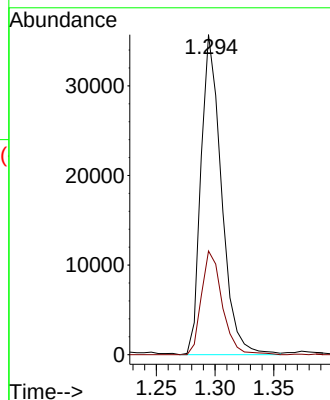
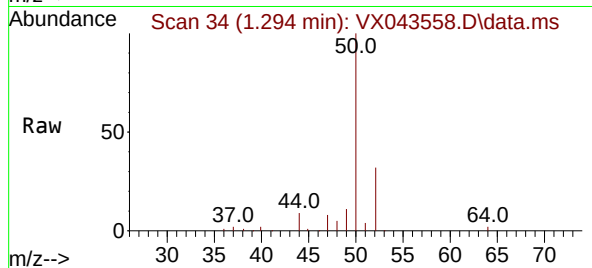
#3
Chloromethane
Concen: 19.061 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 4336
Ion Ratio Lower Upper
50 100
52 32.4 26.3 39.5

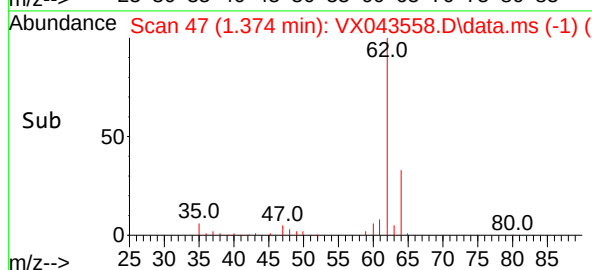
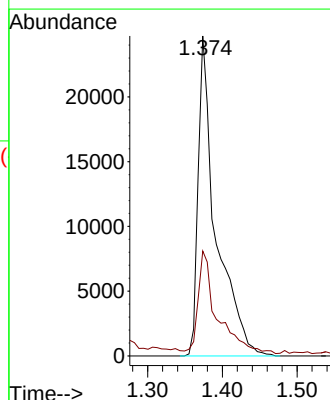
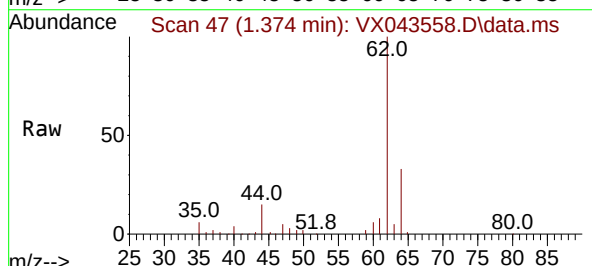
Manual Integrations
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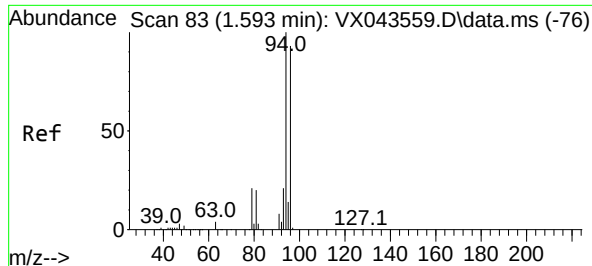
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#4
Vinyl Chloride
Concen: 19.692 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

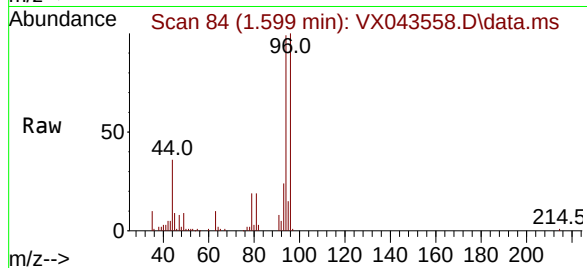
Tgt Ion: 62 Resp: 40804
Ion Ratio Lower Upper
62 100
64 32.0 25.0 37.4





#5
Bromomethane
Concen: 19.478 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

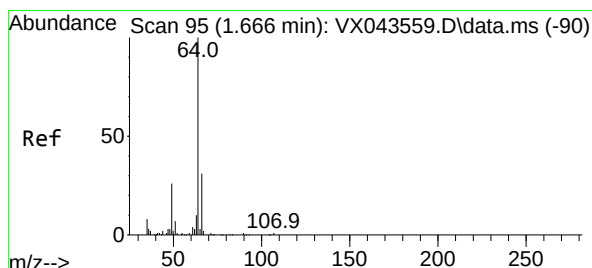
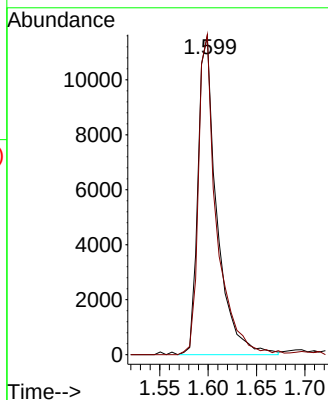
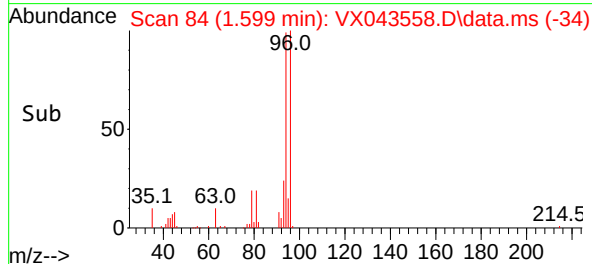
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 94 Resp: 15764
Ion Ratio Lower Upper
94 100
96 100.6 75.9 113.9

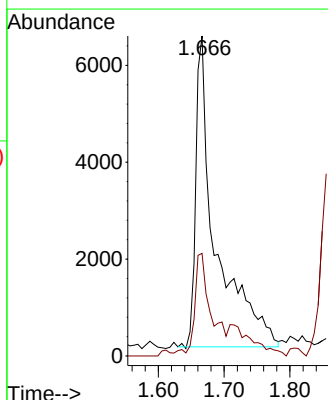
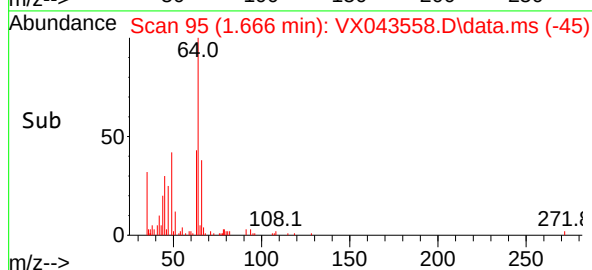
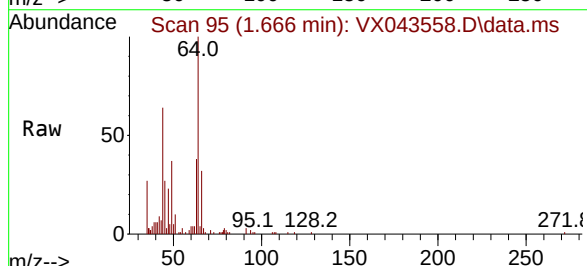
Manual Integrations
APPROVED

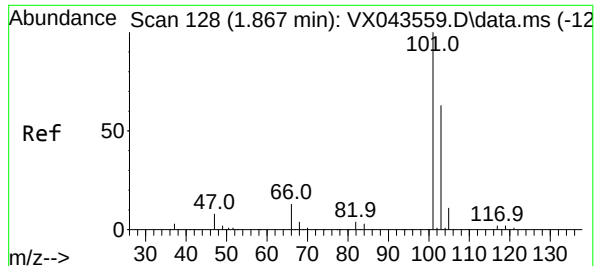
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#6
Chloroethane
Concen: 19.988 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 64 Resp: 13552
Ion Ratio Lower Upper
64 100
66 31.3 25.1 37.7





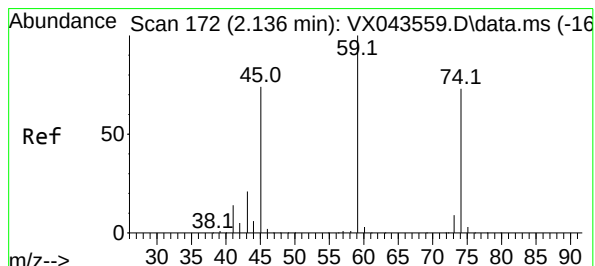
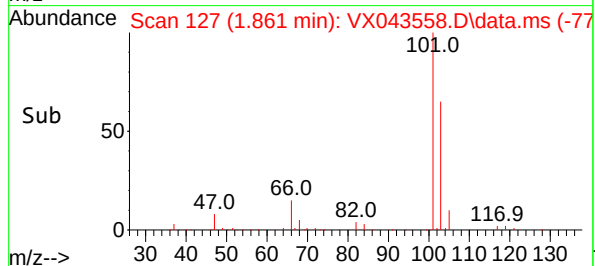
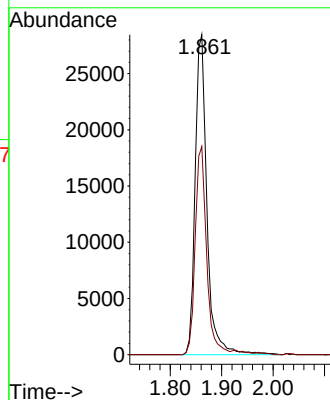
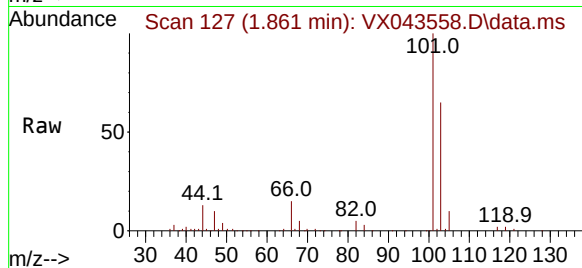
#7
Trichlorofluoromethane
Concen: 16.698 ug/l
RT: 1.861 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:101 Resp: 45410
Ion Ratio Lower Upper
101 100
103 65.1 51.3 76.9

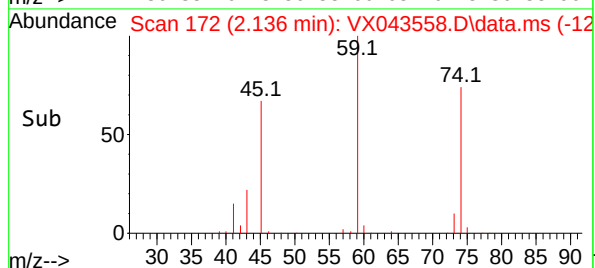
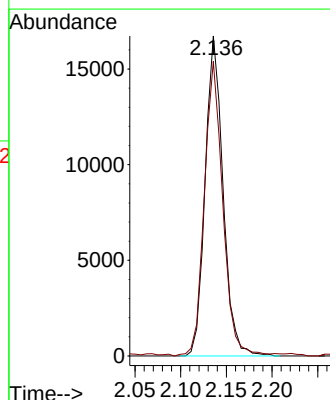
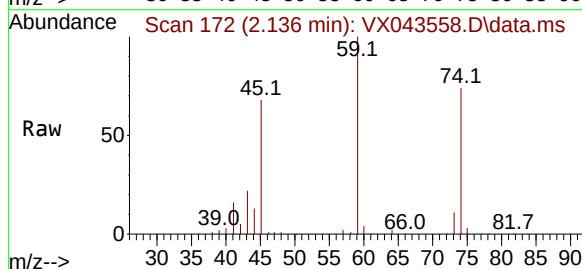
Manual Integrations
APPROVED

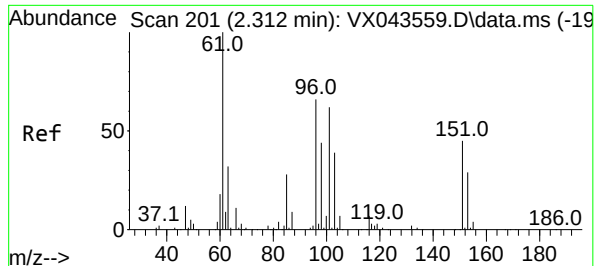
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#8
Diethyl Ether
Concen: 19.128 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 74 Resp: 22721
Ion Ratio Lower Upper
74 100
45 94.9 47.5 142.5





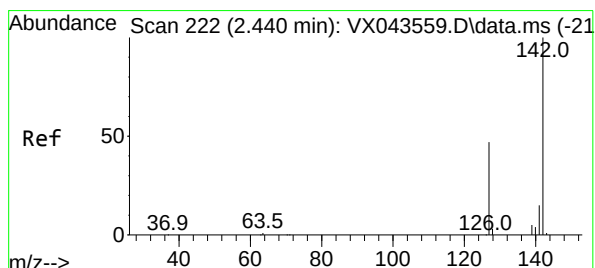
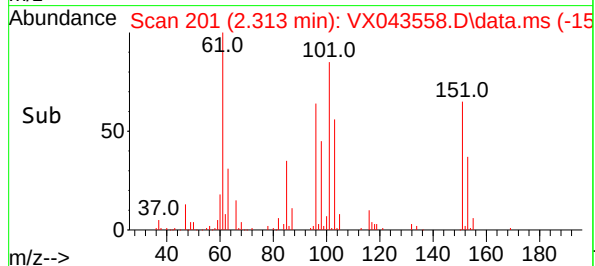
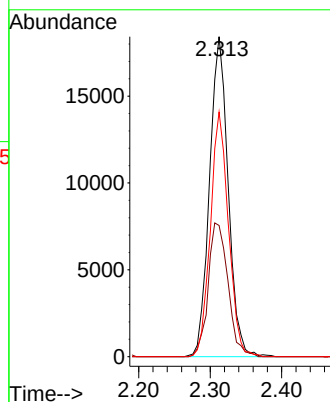
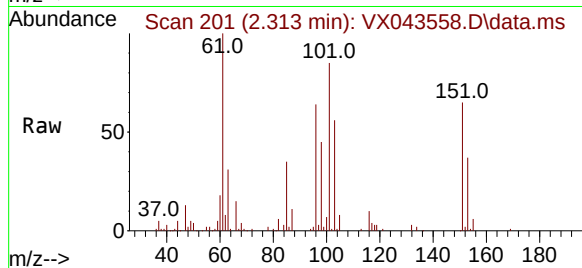
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.458 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 33400
Ion Ratio Lower Upper
101 100
85 44.4 34.5 51.7
151 74.1 58.2 87.2

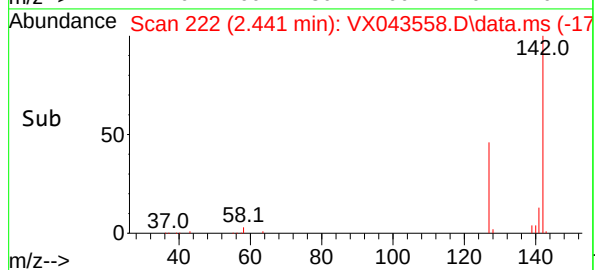
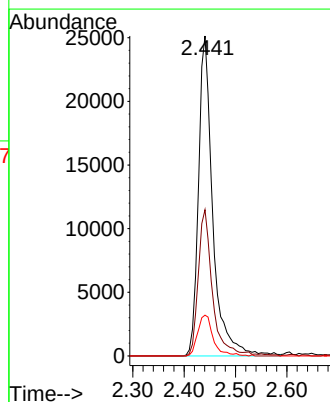
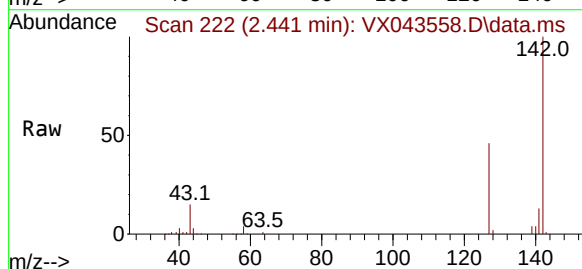
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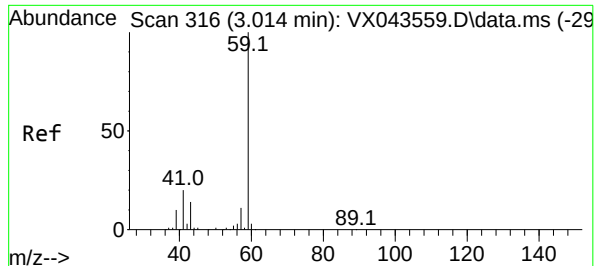
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#10
Methyl Iodide
Concen: 20.510 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:142 Resp: 48753
Ion Ratio Lower Upper
142 100
127 45.7 38.2 57.4
141 13.8 11.5 17.3





#11

Tert butyl alcohol

Concen: 77.502 ug/l m

RT: 3.050 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 42004

Ion Ratio Lower Upper

59 100

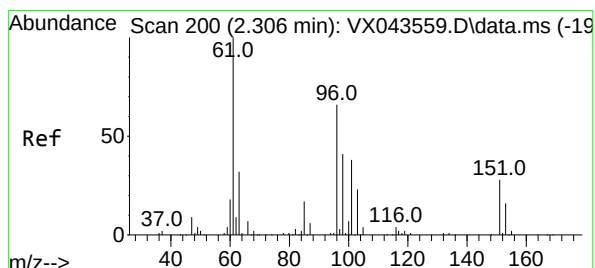
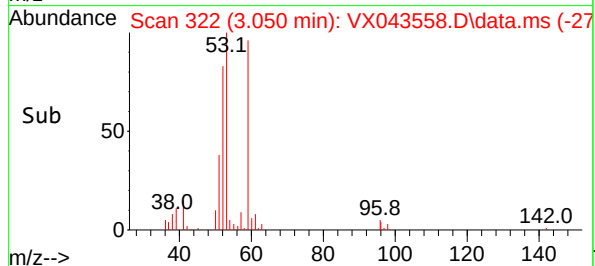
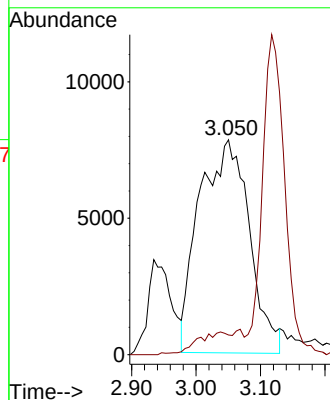
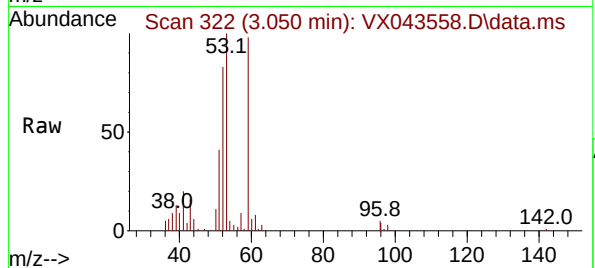
57 0.0 0.0 0.0

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#12

1,1-Dichloroethene

Concen: 19.757 ug/l

RT: 2.300 min Scan# 199

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

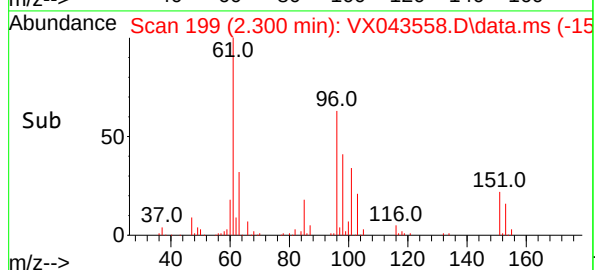
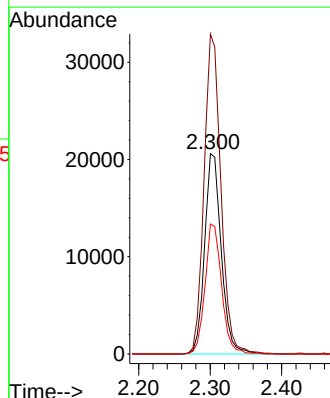
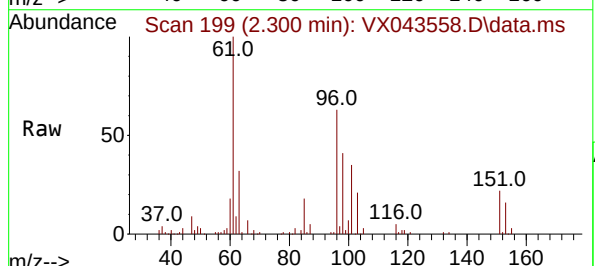
Tgt Ion: 96 Resp: 33343

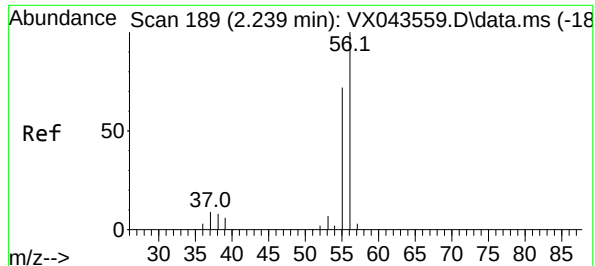
Ion Ratio Lower Upper

96 100

61 159.7 130.2 195.4

98 64.8 51.0 76.6





#13

Acrolein

Concen: 90.794 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 38770

Ion Ratio Lower Upper

56 100

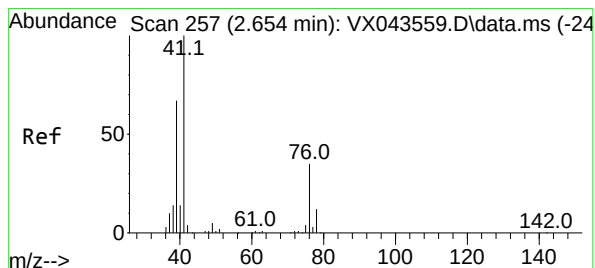
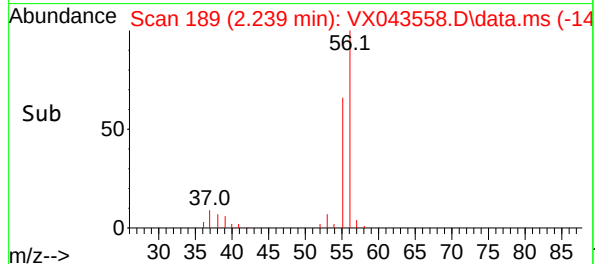
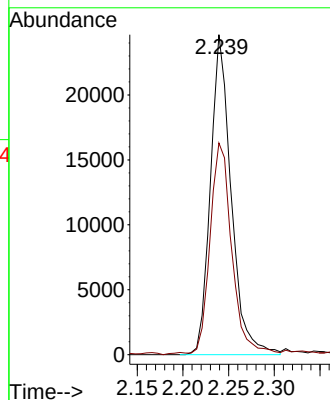
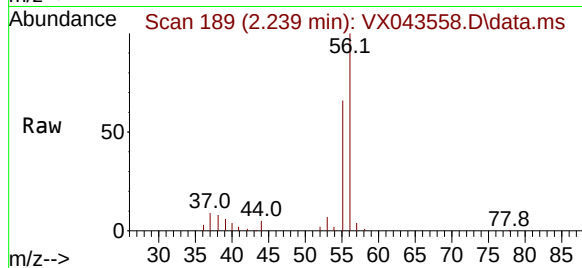
55 69.9 55.3 82.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#14

Allyl chloride

Concen: 19.220 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

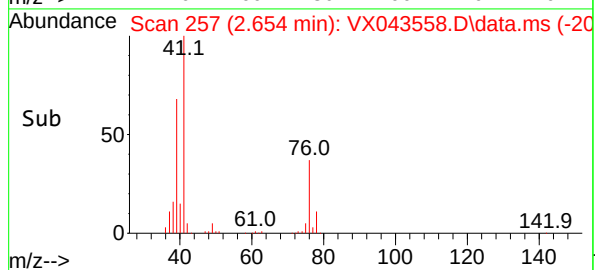
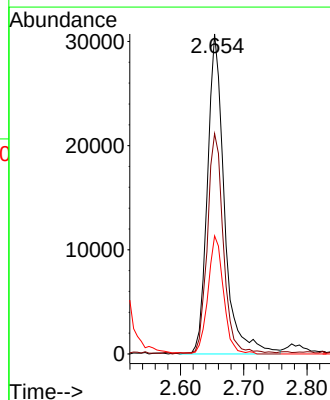
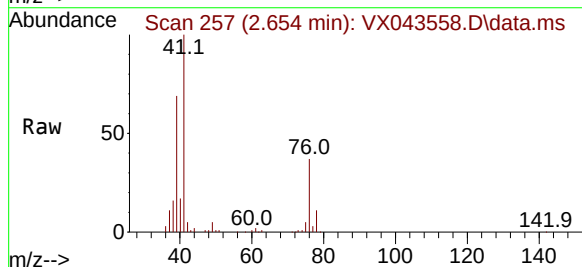
Tgt Ion: 41 Resp: 57560

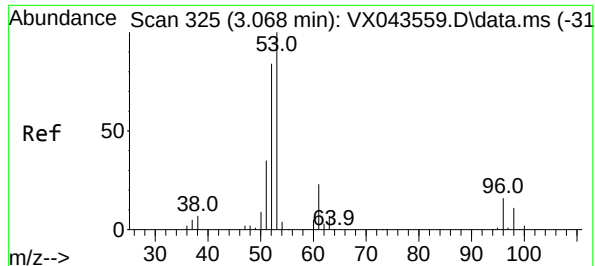
Ion Ratio Lower Upper

41 100

39 65.4 53.2 79.8

76 33.6 27.0 40.6





#15

Acrylonitrile

Concen: 88.256 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 53 Resp: 105958

Ion Ratio Lower Upper

53 100

52 84.1 65.8 98.6

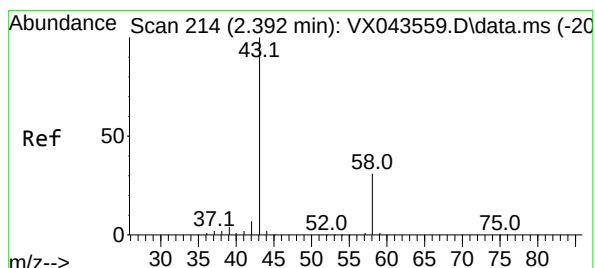
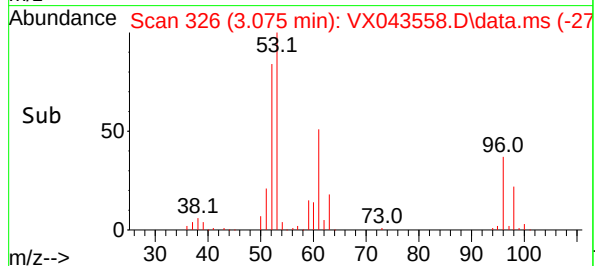
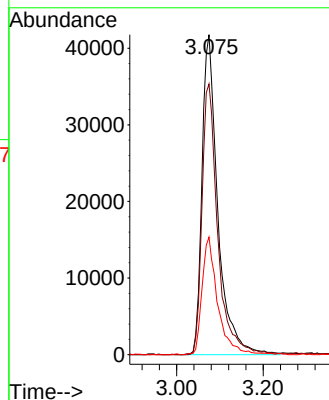
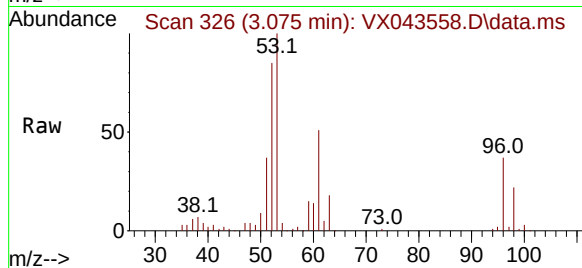
51 36.5 28.5 42.7

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#16

Acetone

Concen: 86.771 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.000 min

Lab File: VX043558.D

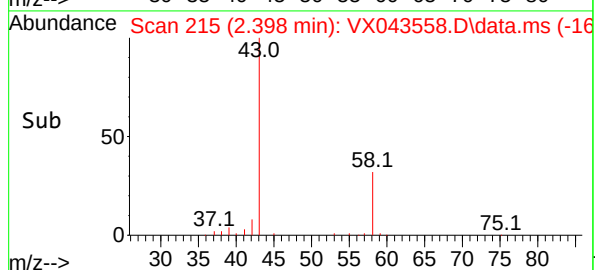
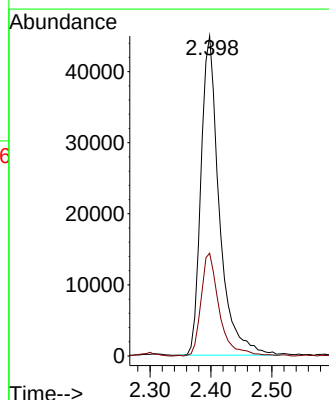
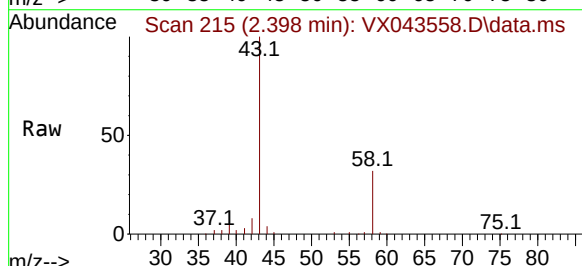
Acq: 28 Oct 2024 11:45

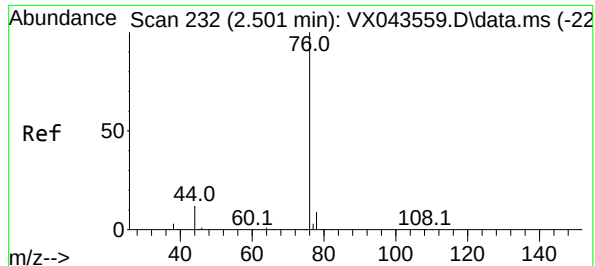
Tgt Ion: 43 Resp: 93987

Ion Ratio Lower Upper

43 100

58 32.0 25.1 37.7





#17

Carbon Disulfide

Concen: 18.450 ug/l

RT: 2.495 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Tgt Ion: 76 Resp: 64452

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

Instrument :

MSVOA_X

ClientSampleId :

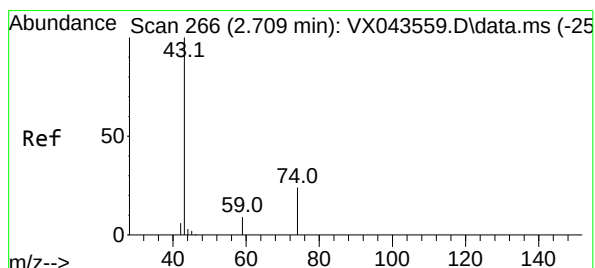
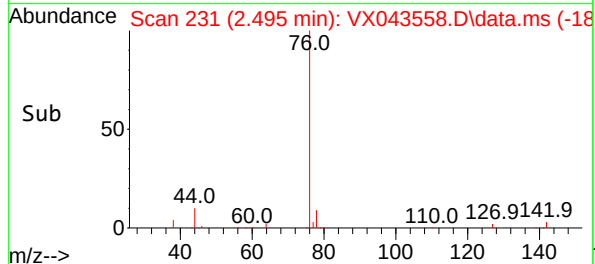
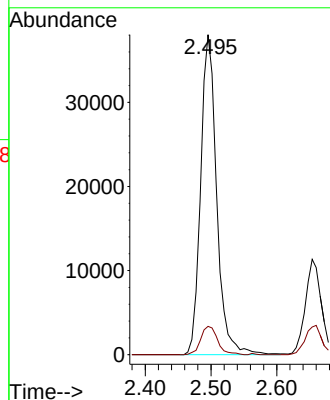
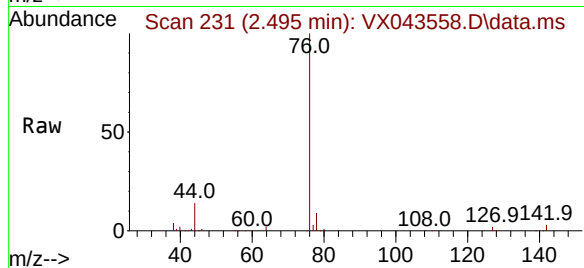
VSTDIC020

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#18

Methyl Acetate

Concen: 17.301 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX043558.D

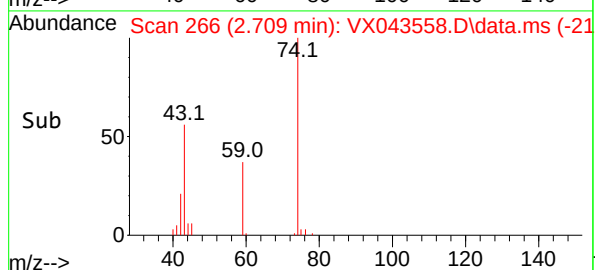
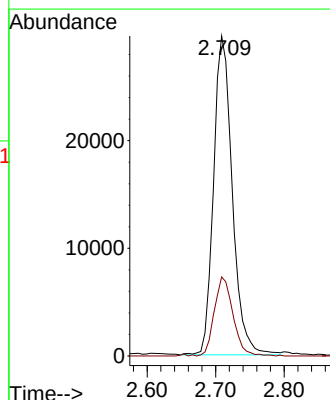
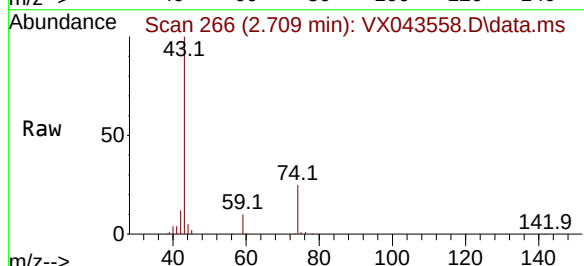
Acq: 28 Oct 2024 11:45

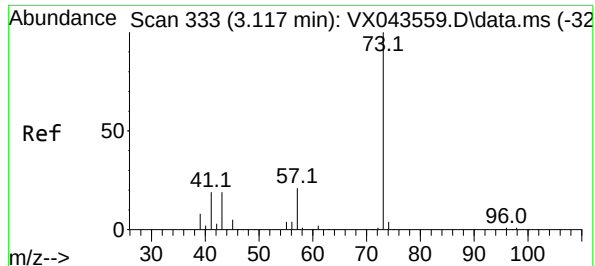
Tgt Ion: 43 Resp: 56319

Ion Ratio Lower Upper

43 100

74 24.7 19.1 28.7





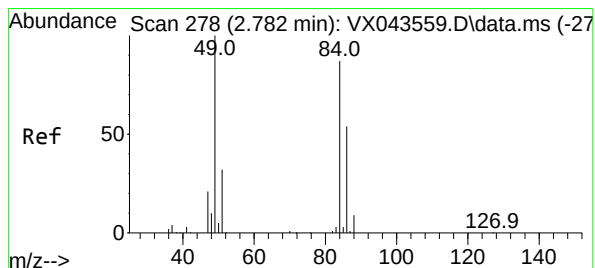
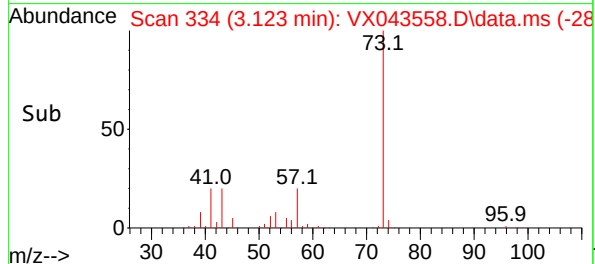
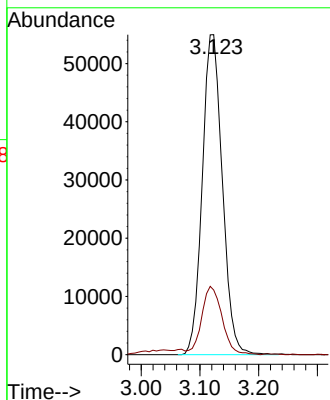
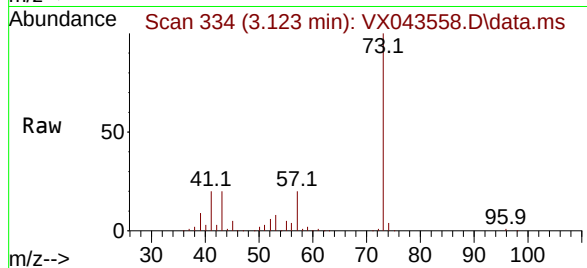
#19
Methyl tert-butyl Ether
Concen: 19.863 ug/l
RT: 3.123 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 130430
Ion Ratio Lower Upper
73 100
57 20.0 17.7 26.5

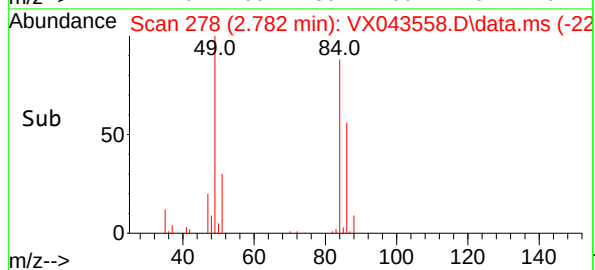
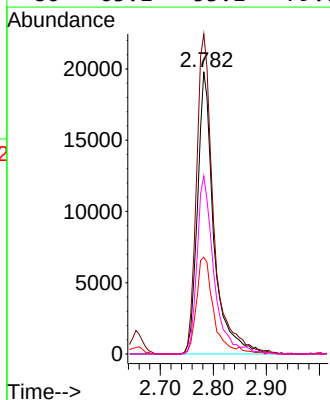
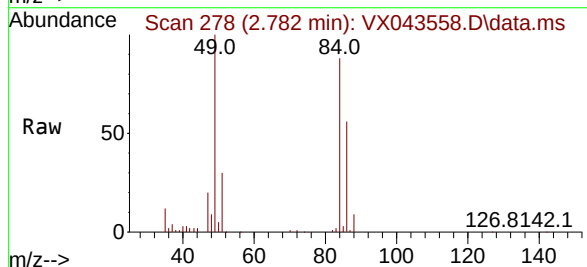
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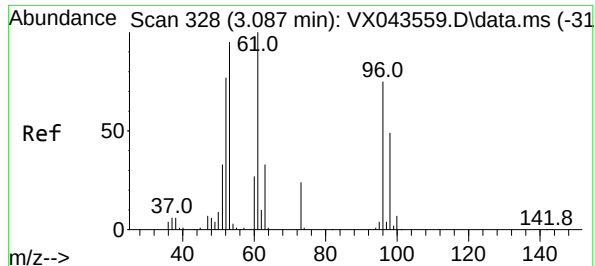
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#20
Methylene Chloride
Concen: 20.027 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

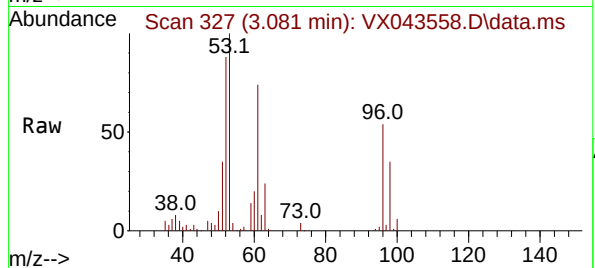
Tgt Ion: 84 Resp: 42392
Ion Ratio Lower Upper
84 100
49 113.4 97.0 145.6
51 34.2 29.8 44.8
86 63.1 53.1 79.7





#21
trans-1,2-Dichloroethene
Concen: 20.210 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

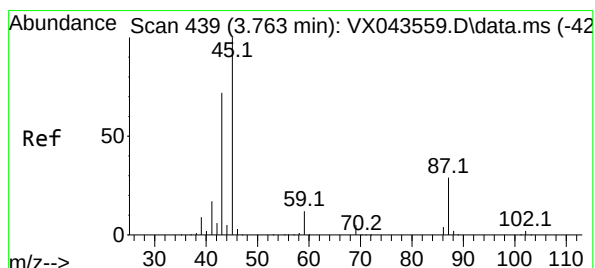
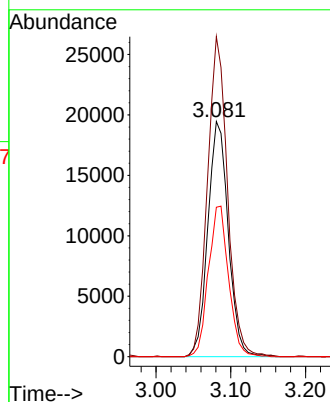
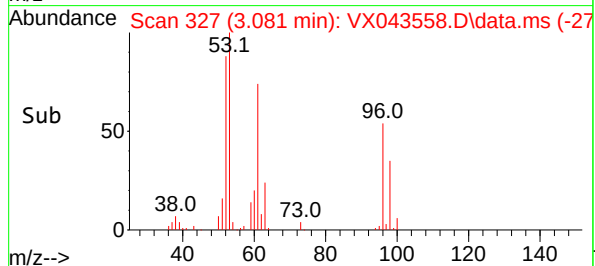
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 3692
Ion Ratio Lower Upper
96 100
61 136.1 107.1 160.7
98 63.6 47.7 71.5

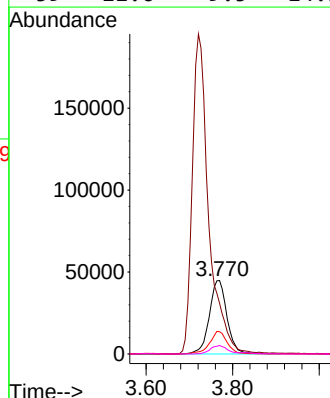
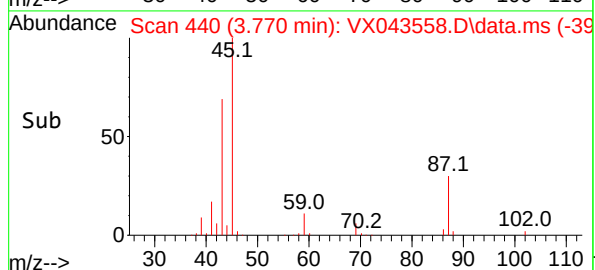
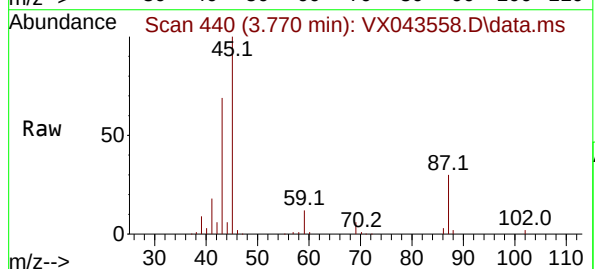
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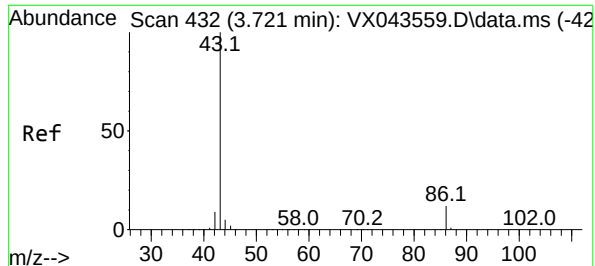
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#22
Diisopropyl ether
Concen: 20.521 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 45 Resp: 126839
Ion Ratio Lower Upper
45 100
43 68.2 60.6 90.8
87 30.2 22.0 33.0
59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 100.709 ug/l

RT: 3.721 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 51424

Ion Ratio Lower Upper

43 100

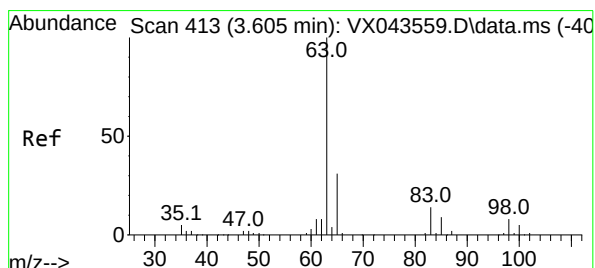
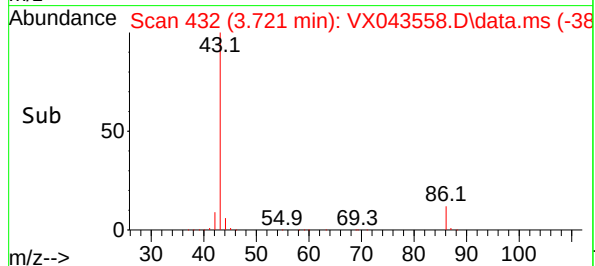
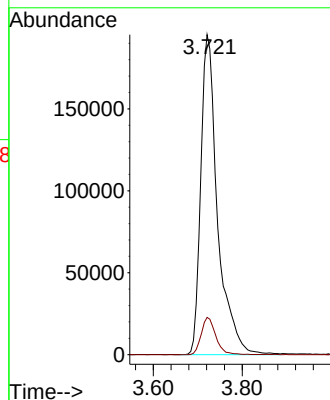
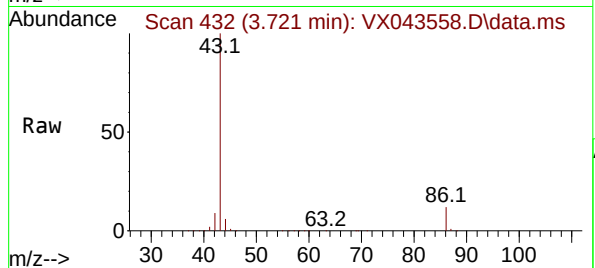
86 11.7 9.0 13.4

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#24

1,1-Dichloroethane

Concen: 20.241 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

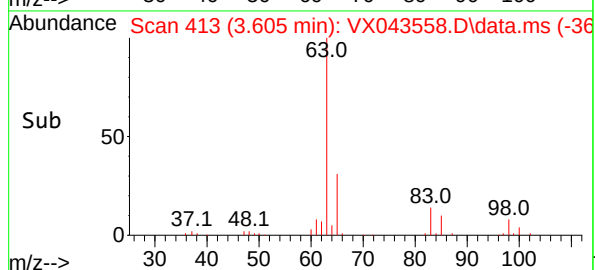
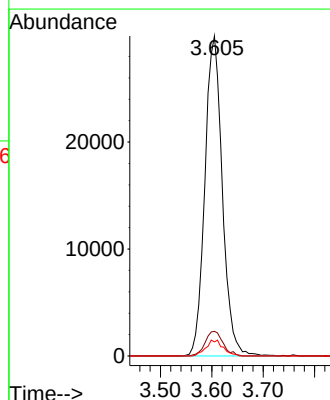
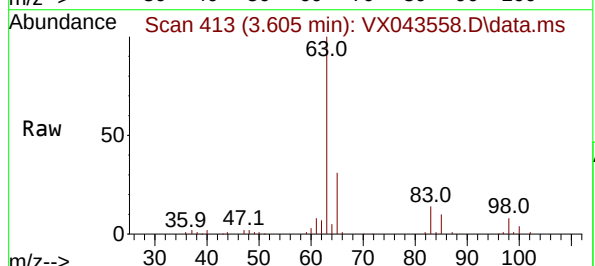
Tgt Ion: 63 Resp: 70569

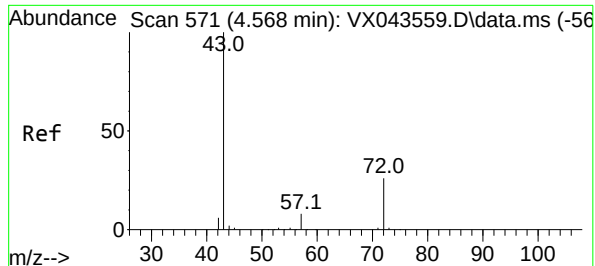
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.4

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 88.817 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 146114

Ion Ratio Lower Upper

43 100

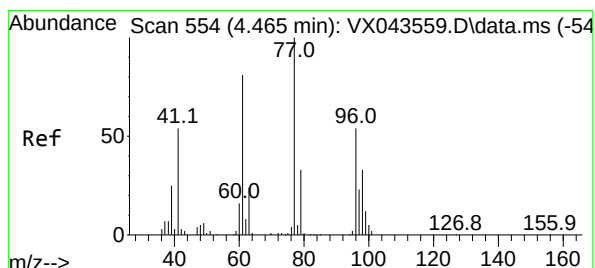
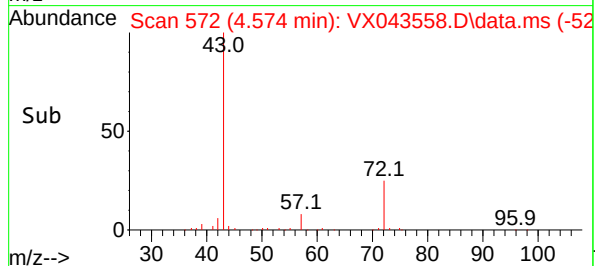
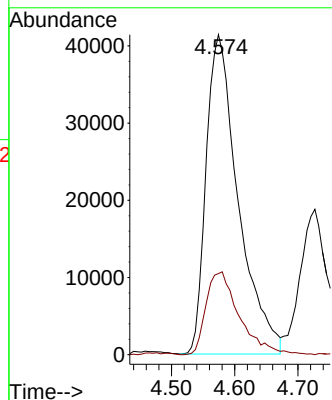
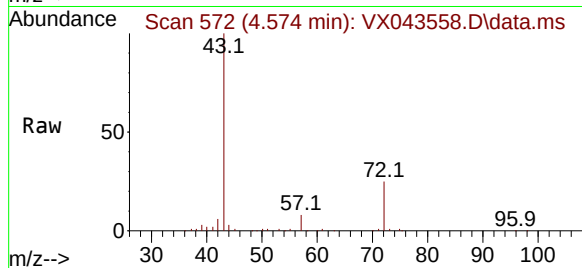
72 25.4 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#26

2,2-Dichloropropane

Concen: 22.931 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX043558.D

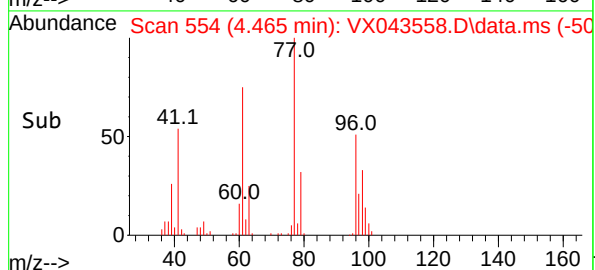
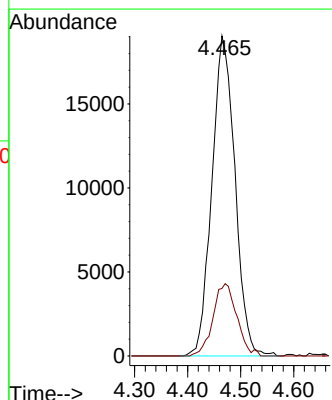
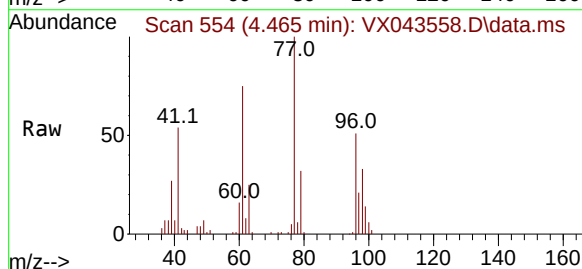
Acq: 28 Oct 2024 11:45

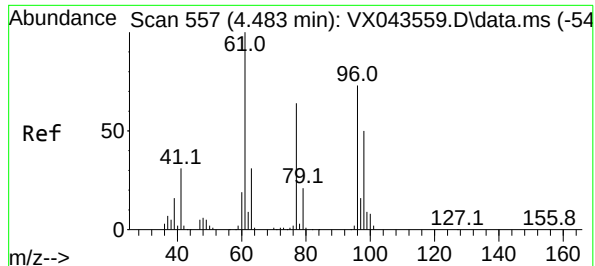
Tgt Ion: 77 Resp: 57622

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.118 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 45798

Ion Ratio Lower Upper

96 100

61 140.6 0.0 277.2

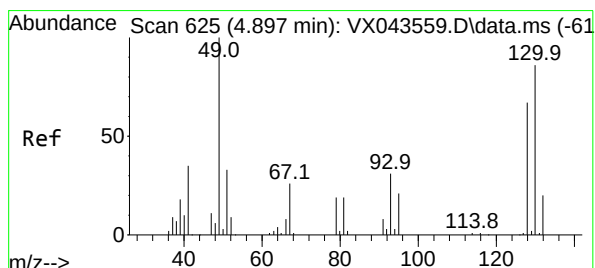
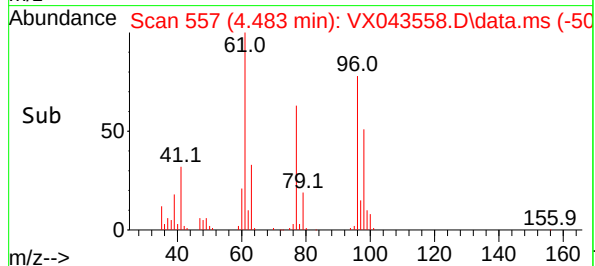
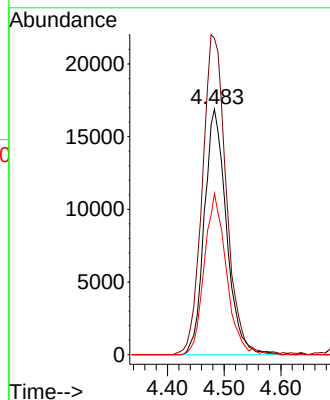
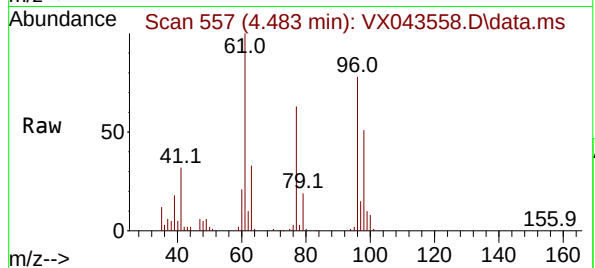
98 65.4 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#28

Bromochloromethane

Concen: 19.701 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

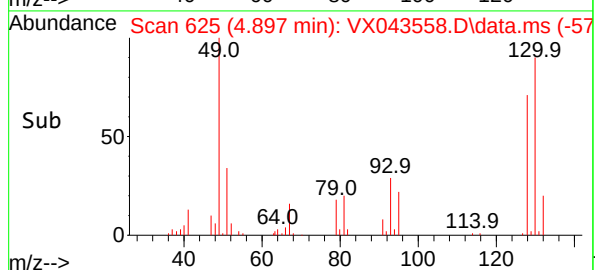
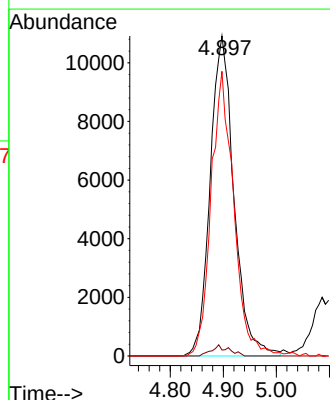
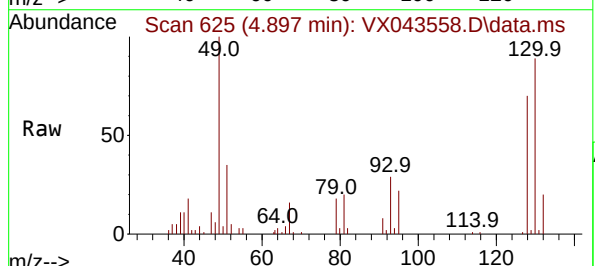
Tgt Ion: 49 Resp: 33980

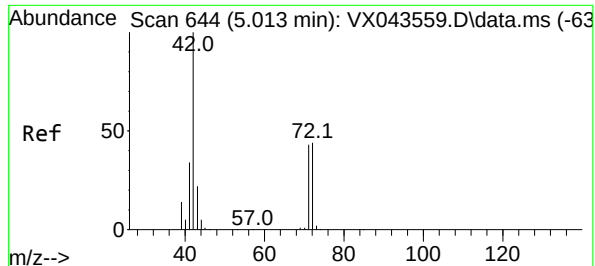
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.2

130 84.5 67.8 101.8





#29

Tetrahydrofuran

Concen: 88.955 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

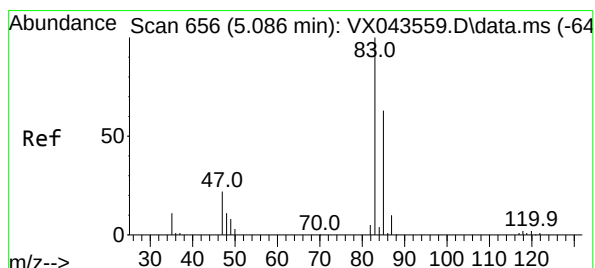
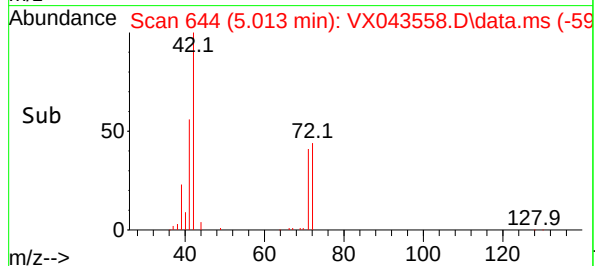
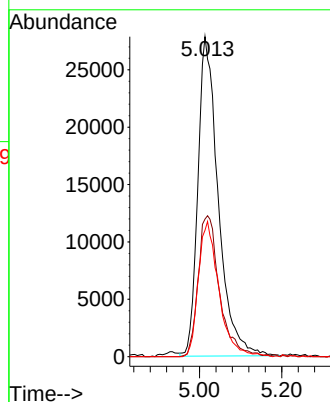
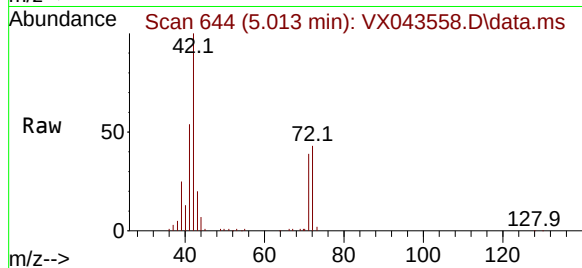
VSTDICC020

Tgt Ion:	42	Resp:	9555
Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.6	55.0
71	42.8	34.2	51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#30

Chloroform

Concen: 19.996 ug/l

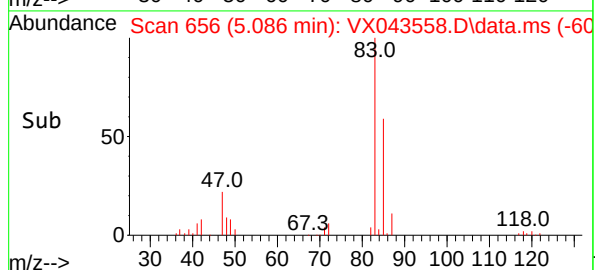
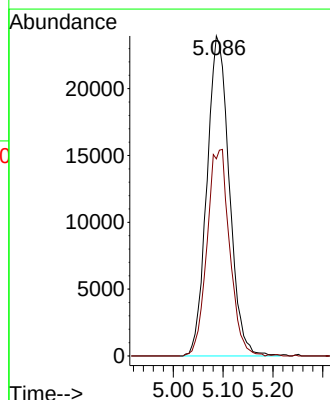
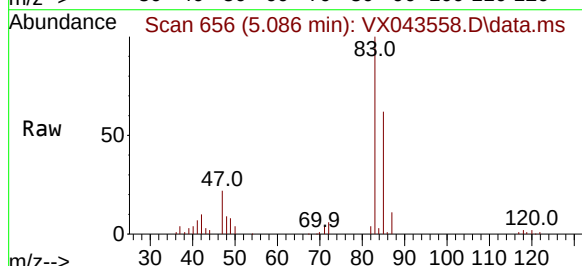
RT: 5.086 min Scan# 656

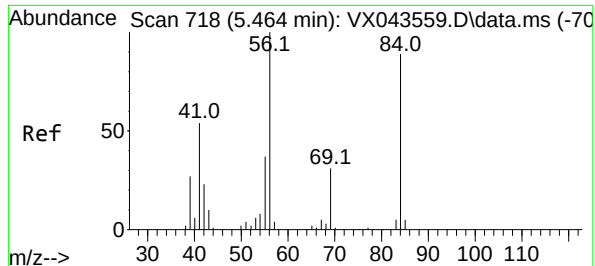
Delta R.T. -0.006 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Tgt Ion:	83	Resp:	74554
Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.2	78.4





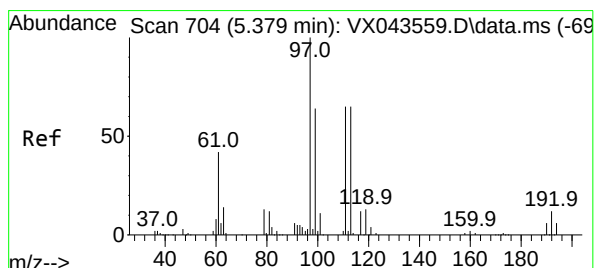
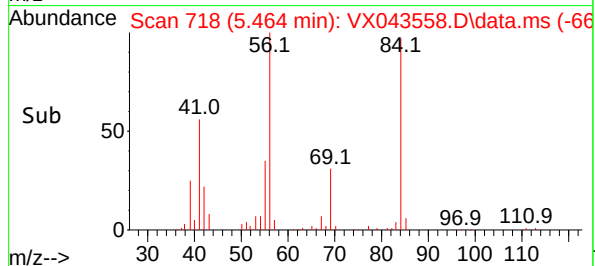
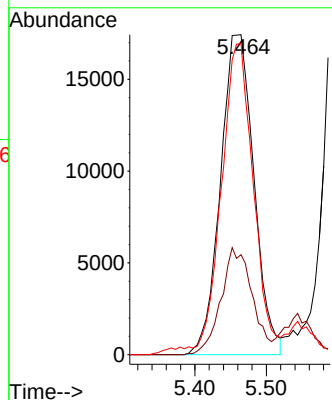
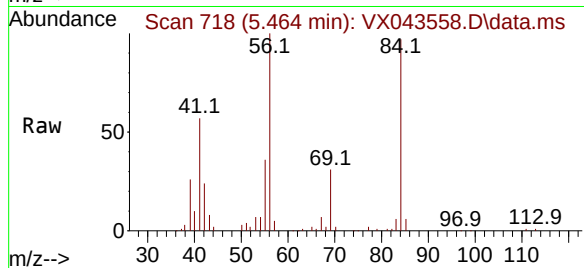
#31
Cyclohexane
Concen: 20.469 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 5662
Ion Ratio Lower Upper
56 100
69 31.2 24.9 37.3
84 94.9 73.3 109.9

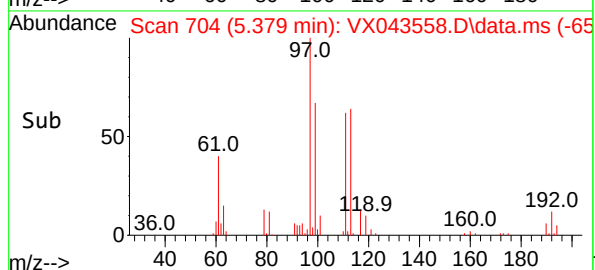
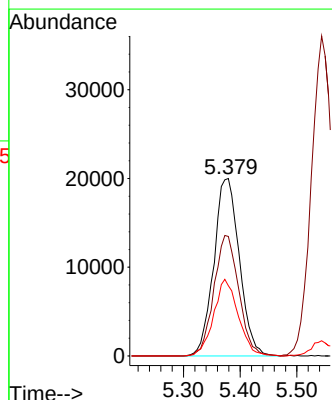
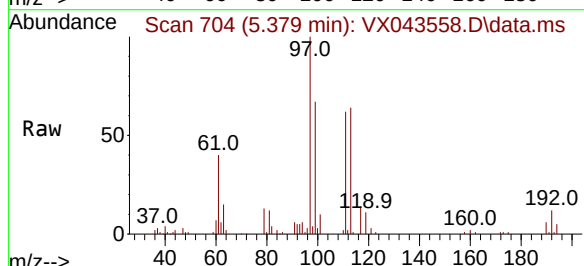
Manual Integrations
APPROVED

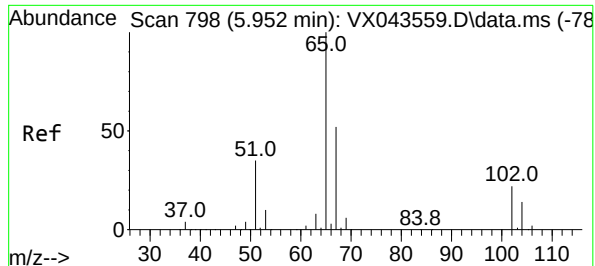
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#32
1,1,1-Trichloroethane
Concen: 19.966 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 97 Resp: 62556
Ion Ratio Lower Upper
97 100
99 66.0 51.4 77.0
61 41.6 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 20.026 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 50818

Ion Ratio Lower Upper

65 100

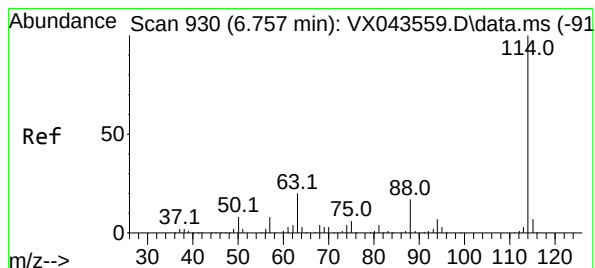
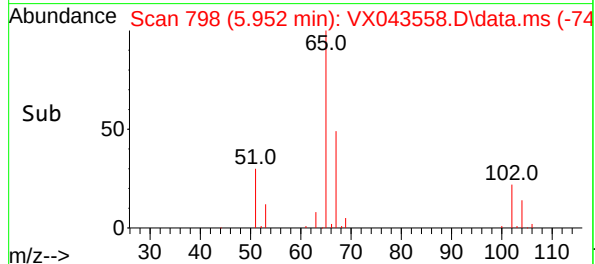
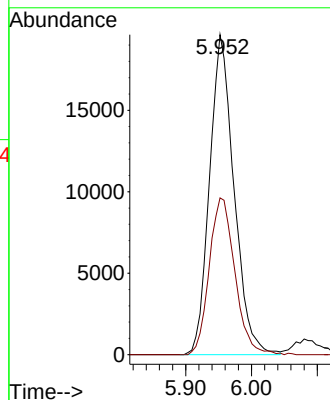
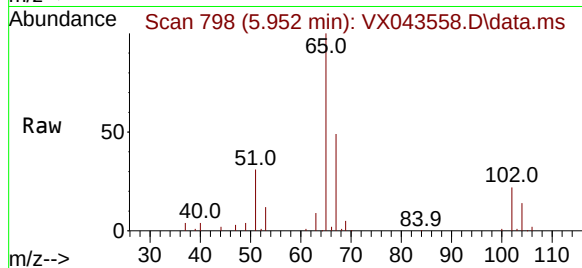
67 51.3 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

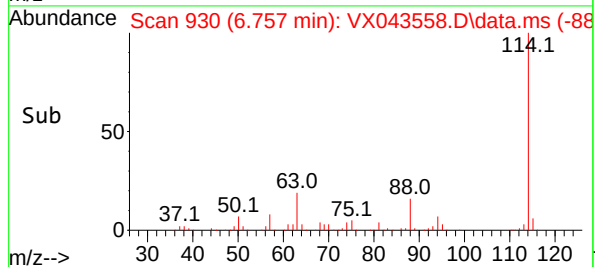
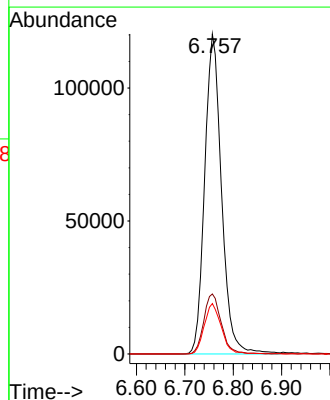
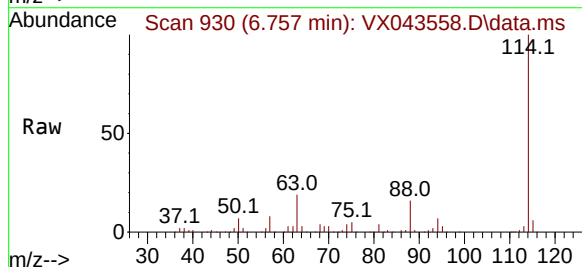
Tgt Ion:114 Resp: 291315

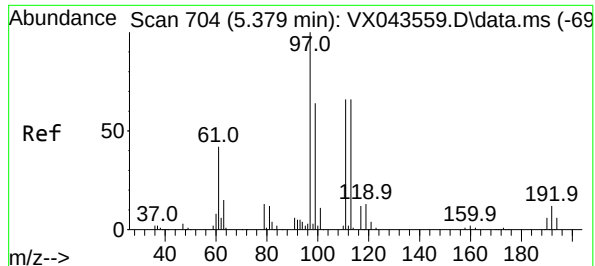
Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.2

88 15.7 0.0 34.0





#35

Dibromofluoromethane

Concen: 20.228 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

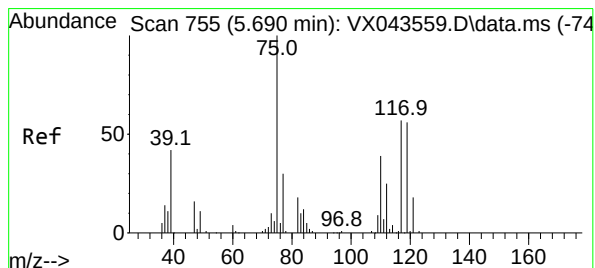
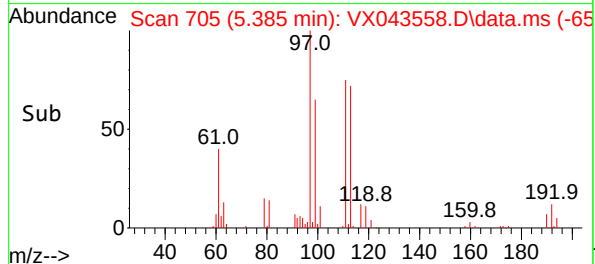
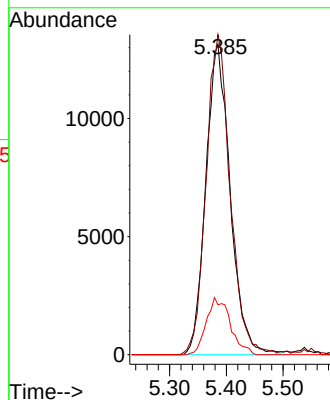
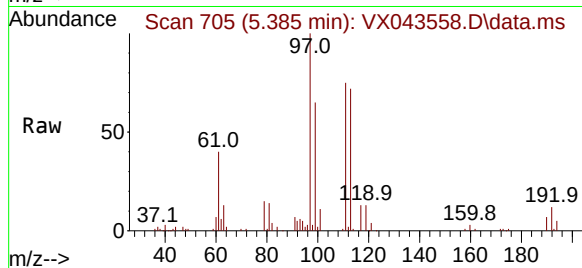
VSTDIC020

Tgt Ion:	113	Resp:	39238
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	18.1	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#36

1,1-Dichloropropene

Concen: 20.699 ug/l

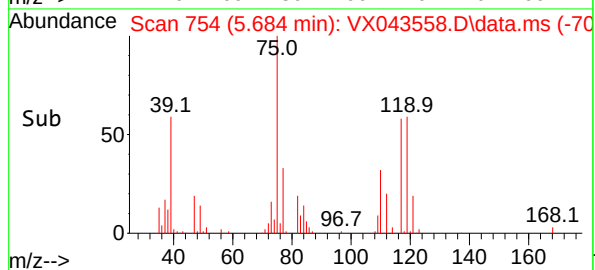
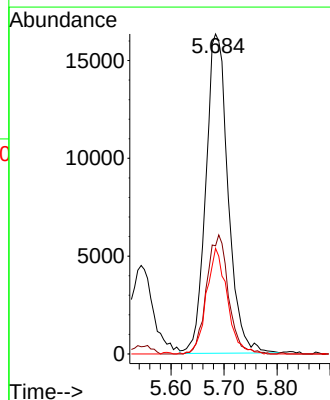
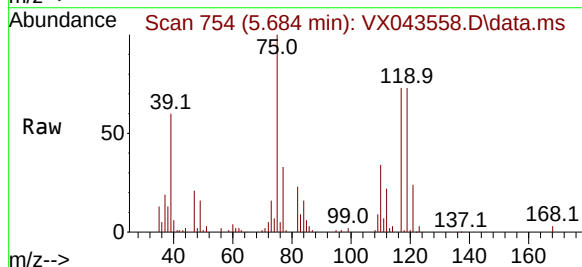
RT: 5.684 min Scan# 754

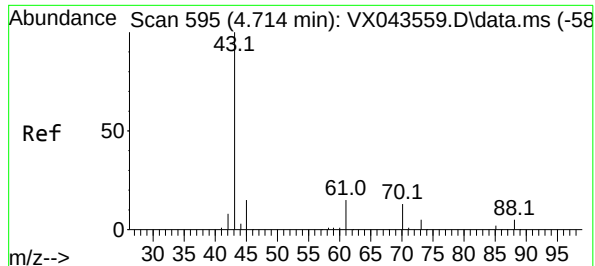
Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Tgt Ion:	75	Resp:	47520
Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.9	53.7
77	30.9	25.0	37.4





#37

Ethyl Acetate

Concen: 18.528 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.006 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

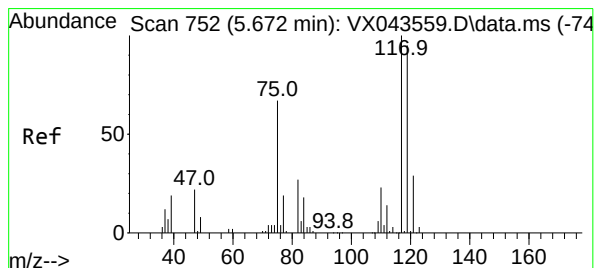
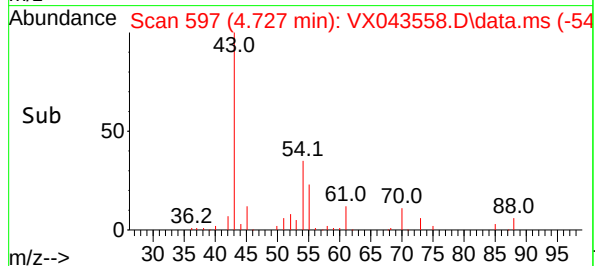
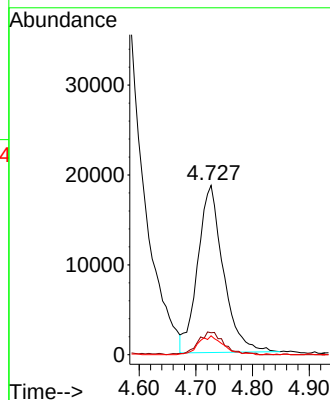
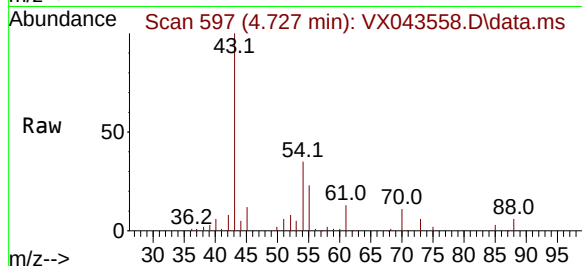
VSTDIC020

Tgt Ion:	43	Resp:	58054
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	11.1	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#38

Carbon Tetrachloride

Concen: 18.891 ug/l

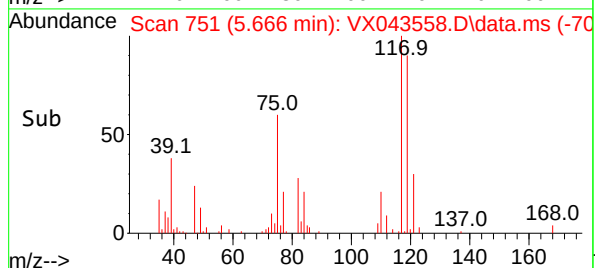
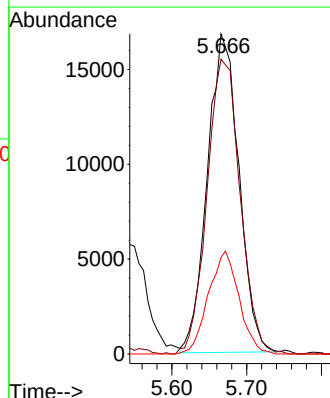
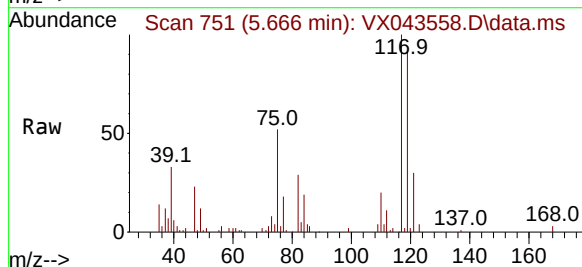
RT: 5.666 min Scan# 751

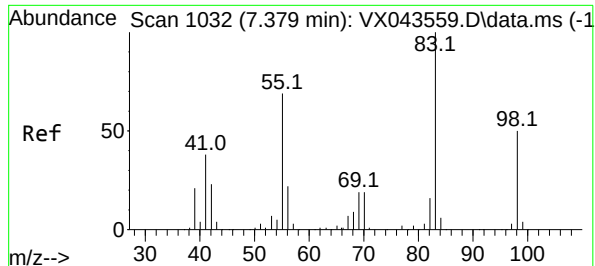
Delta R.T. -0.006 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Tgt Ion:	117	Resp:	49282
Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.0	115.6
121	30.3	24.7	37.1





#39

Methylcyclohexane

Concen: 20.379 ug/l

RT: 7.373 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 5999

Ion Ratio Lower Upper

83 100

55 76.5 59.9 89.9

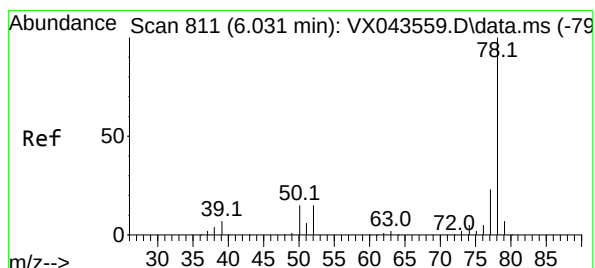
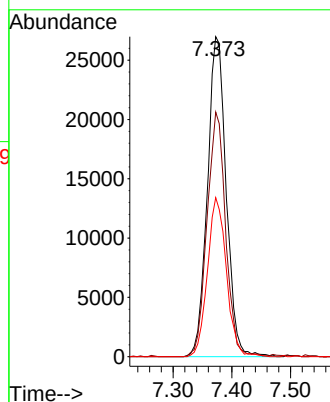
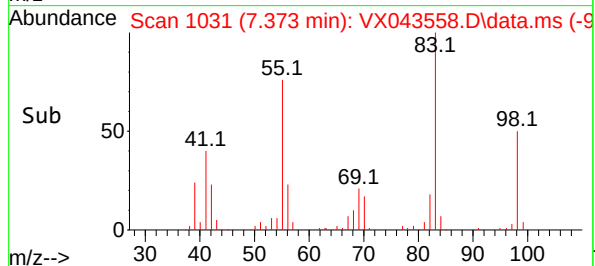
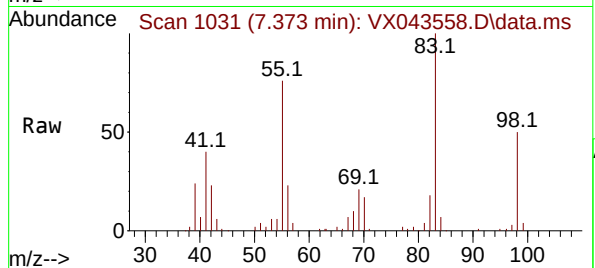
98 49.7 41.3 61.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#40

Benzene

Concen: 20.995 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043558.D

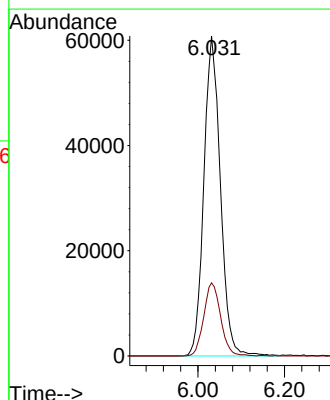
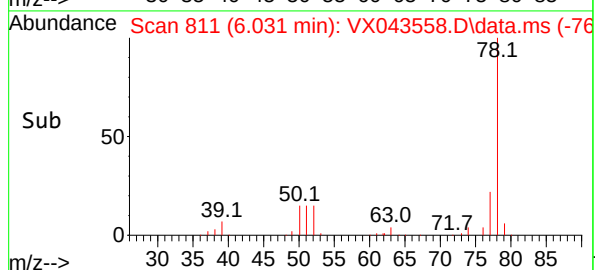
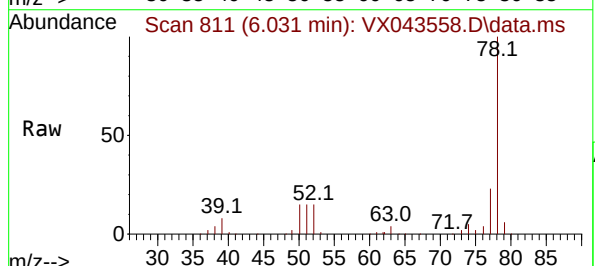
Acq: 28 Oct 2024 11:45

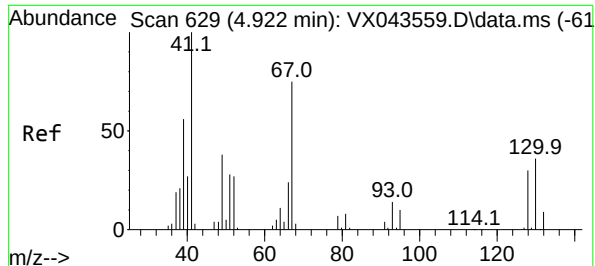
Tgt Ion: 78 Resp: 161123

Ion Ratio Lower Upper

78 100

77 22.8 18.4 27.6





#41
Methacrylonitrile
Concen: 19.241 ug/l
RT: 4.934 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

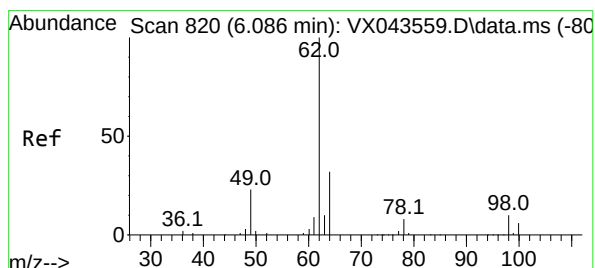
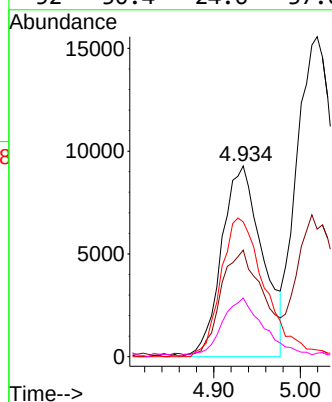
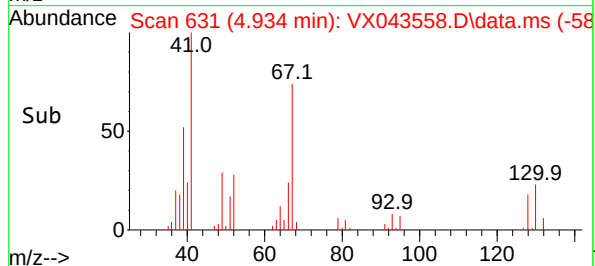
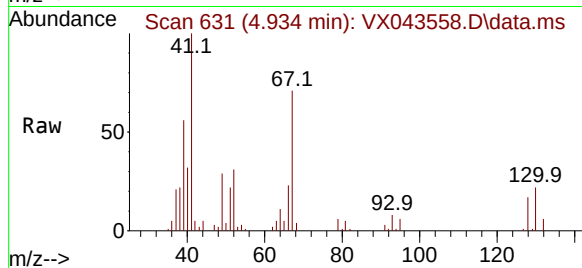
VSTDIC020

Tgt Ion:	41	Resp:	3032
Ion	Ratio	Lower	Upper
41	100		
39	56.7	43.5	65.3
67	79.8	58.3	87.5
52	30.4	24.6	37.0

Manual Integrations

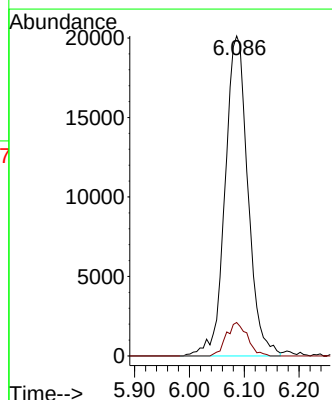
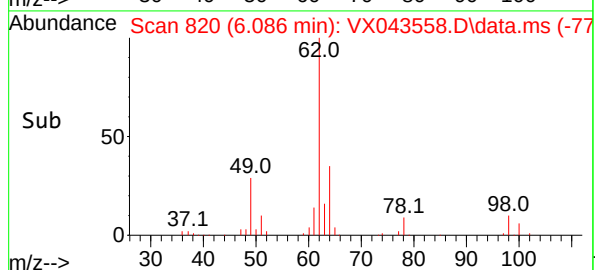
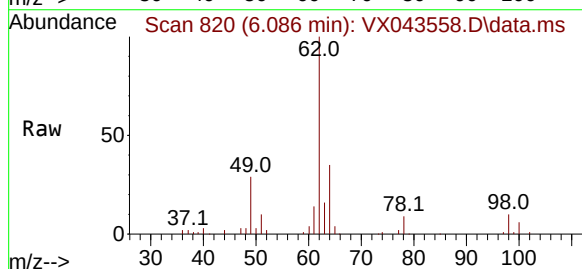
APPROVED

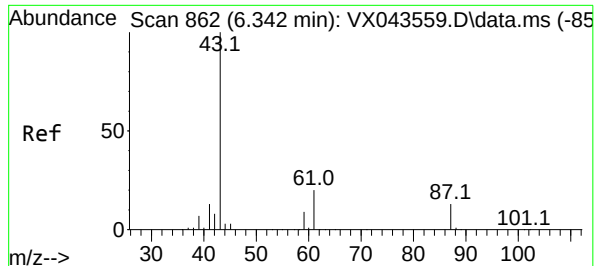
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#42
1,2-Dichloroethane
Concen: 20.645 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:	62	Resp:	58281
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8





#43

Isopropyl Acetate

Concen: 18.698 ug/l

RT: 6.348 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Tgt Ion: 43 Resp: 92670

Ion Ratio Lower Upper

43 100

61 21.2 16.2 24.4

87 14.4 11.0 16.6

Instrument :

MSVOA_X

ClientSampleId :

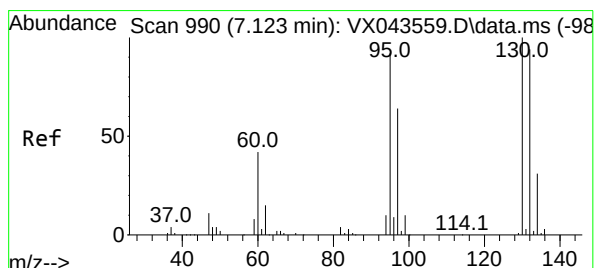
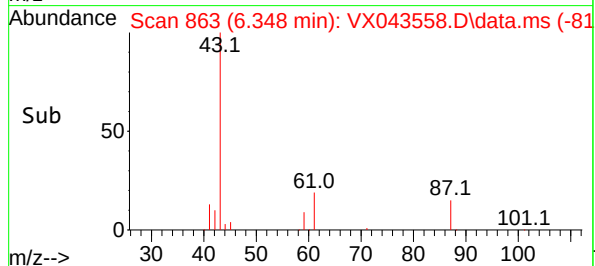
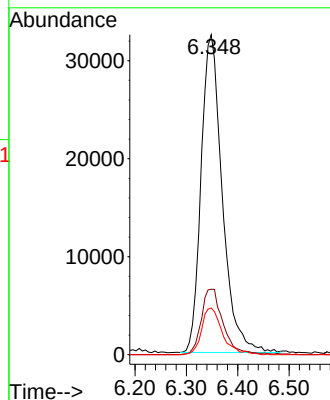
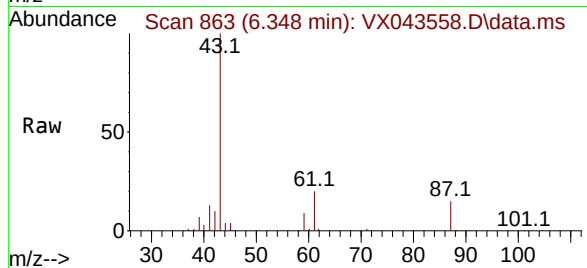
VSTDIC020

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#44

Trichloroethene

Concen: 21.623 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043558.D

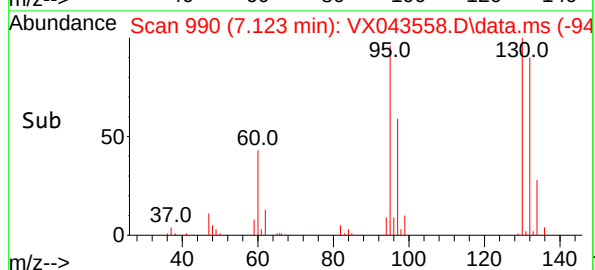
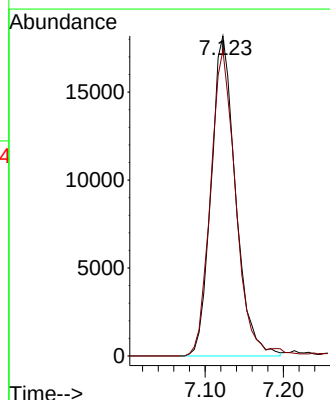
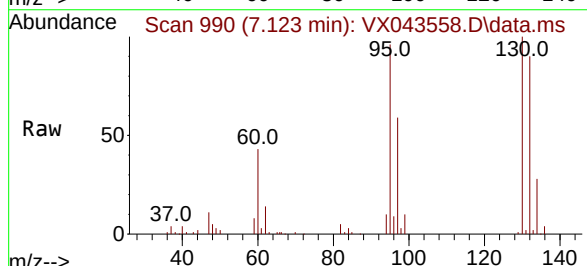
Acq: 28 Oct 2024 11:45

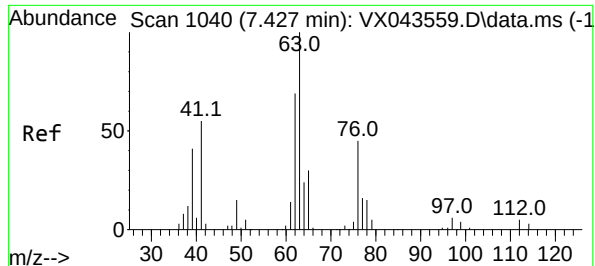
Tgt Ion:130 Resp: 39344

Ion Ratio Lower Upper

130 100

95 95.6 0.0 202.6





#45

1,2-Dichloropropane

Concen: 20.200 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 63 Resp: 3785

Ion Ratio Lower Upper

63 100

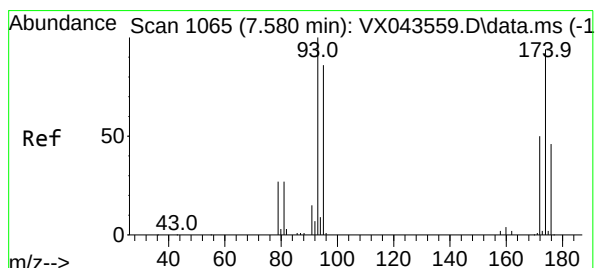
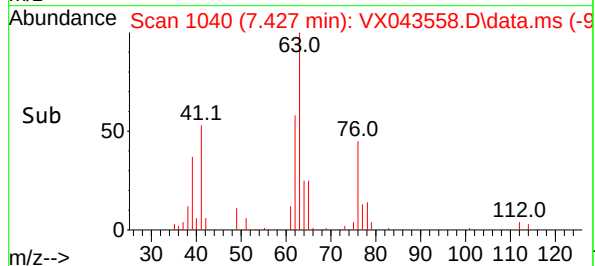
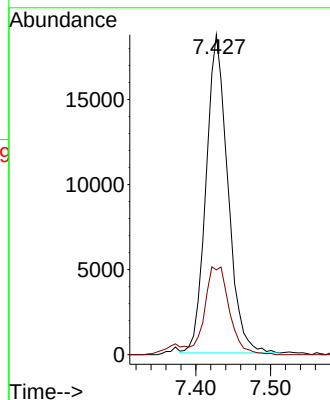
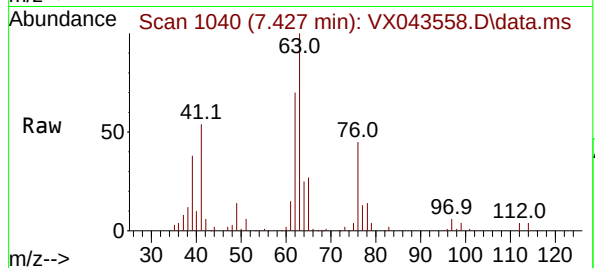
65 26.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#46

Dibromomethane

Concen: 20.905 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

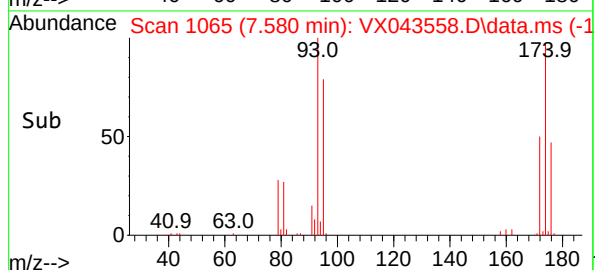
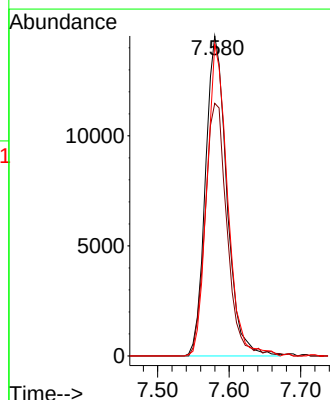
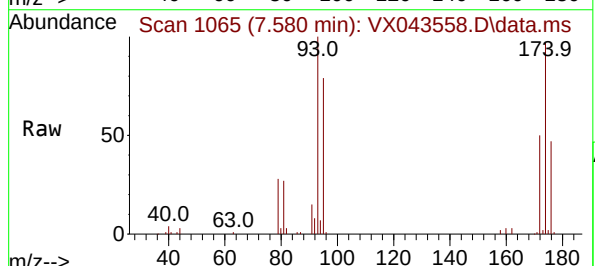
Tgt Ion: 93 Resp: 30097

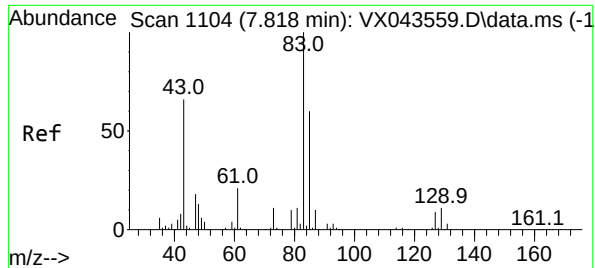
Ion Ratio Lower Upper

93 100

95 81.5 66.4 99.6

174 94.3 75.0 112.4





#47

Bromodichloromethane

Concen: 19.849 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

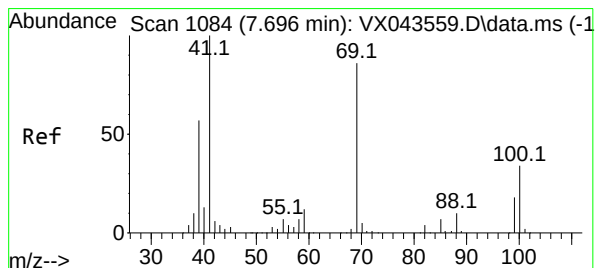
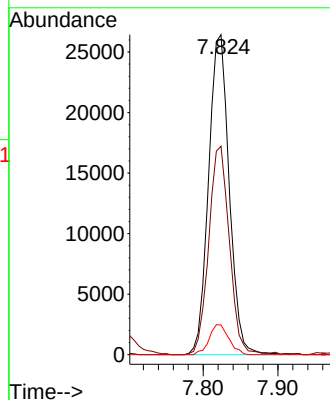
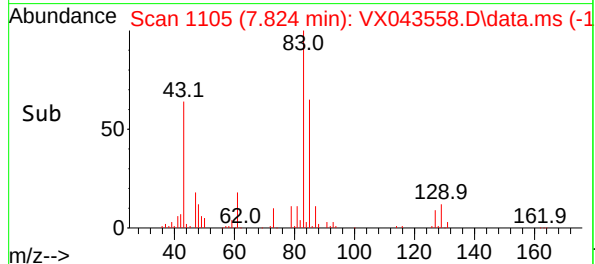
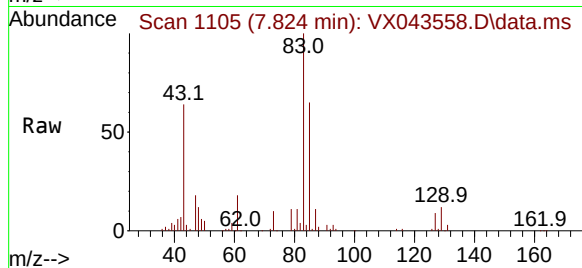
VSTDICC020

Tgt Ion:	83	Resp:	50694
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.4
127	9.3	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#48

Methyl methacrylate

Concen: 19.703 ug/l

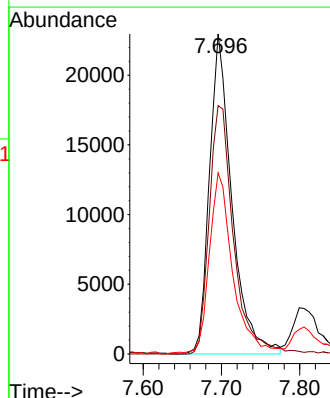
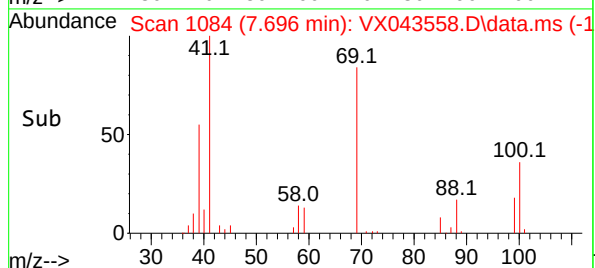
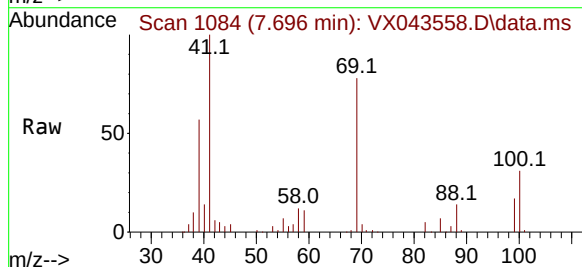
RT: 7.696 min Scan# 1084

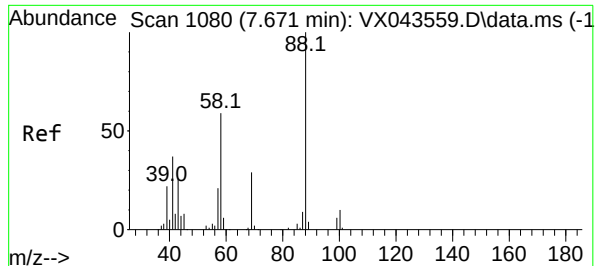
Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Tgt Ion:	41	Resp:	45592
Ion	Ratio	Lower	Upper
41	100		
69	85.2	67.7	101.5
39	59.4	46.3	69.5





#49

1,4-Dioxane

Concen: 258.381 ug/l

RT: 7.683 min Scan# 1080

Delta R.T. 0.012 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 1536

Ion Ratio Lower Upper

88 100

43 35.8 25.3 37.9

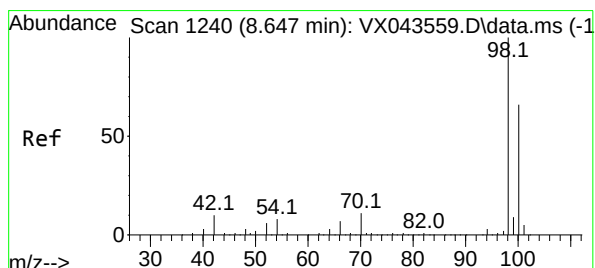
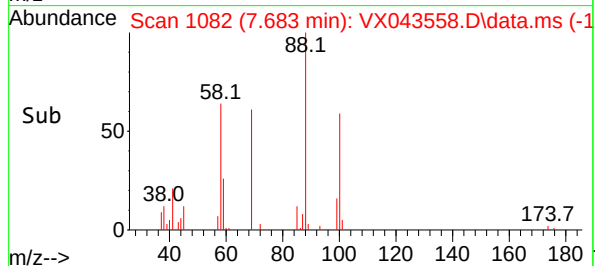
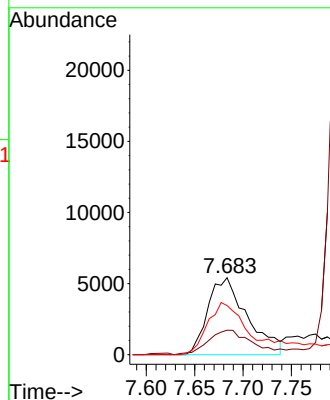
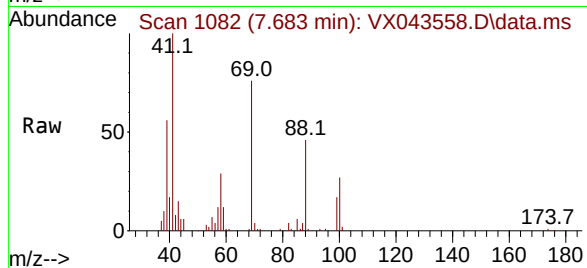
58 93.5 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#50

Toluene-d8

Concen: 20.900 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043558.D

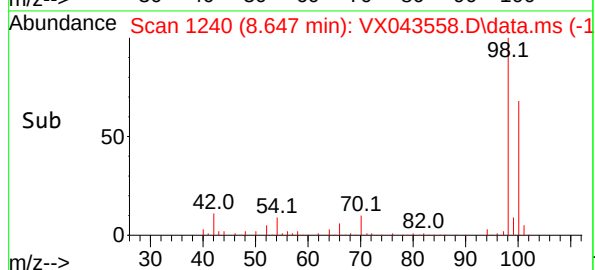
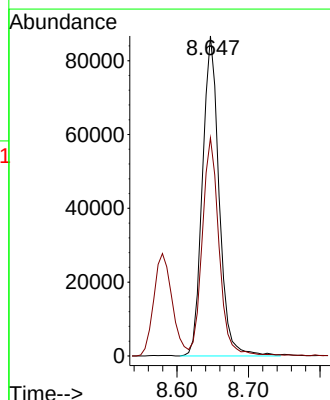
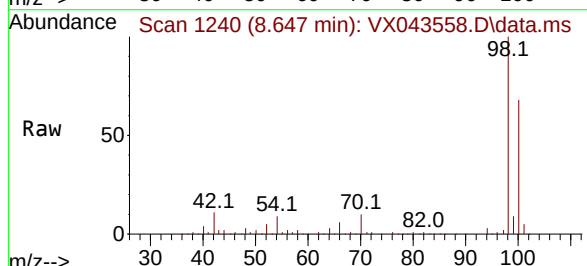
Acq: 28 Oct 2024 11:45

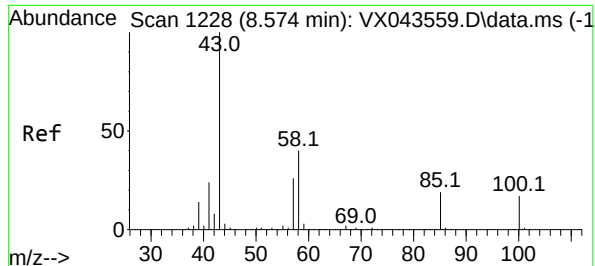
Tgt Ion: 98 Resp: 140572

Ion Ratio Lower Upper

98 100

100 68.3 53.4 80.2





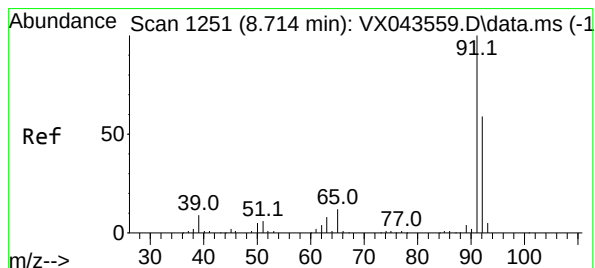
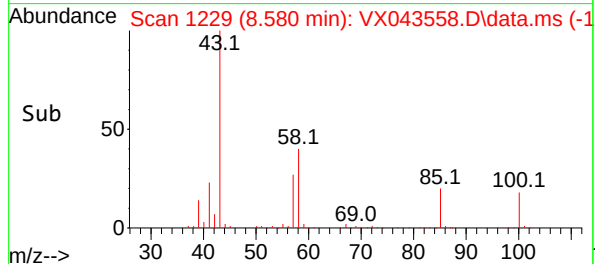
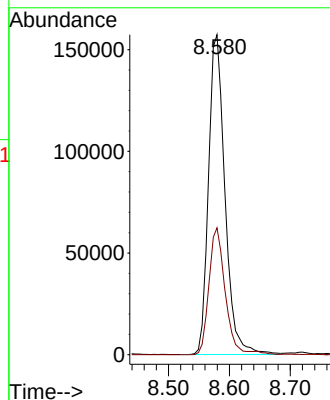
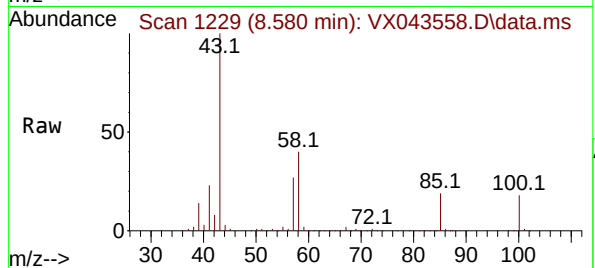
#51
4-Methyl-2-Pentanone
Concen: 93.974 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 29512
Ion Ratio Lower Upper
43 100
58 39.4 31.7 47.5

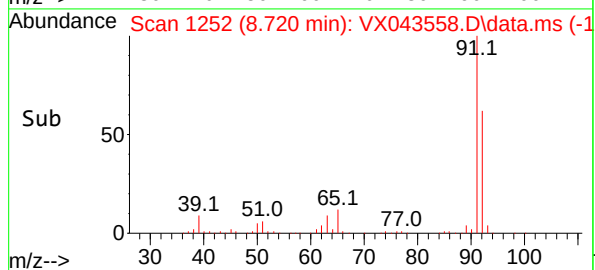
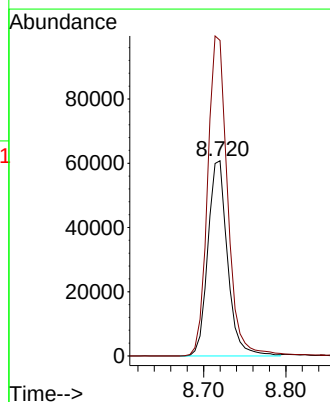
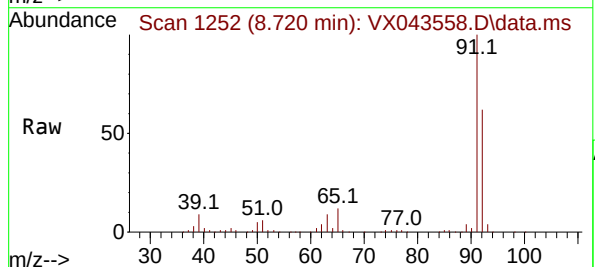
Manual Integrations
APPROVED

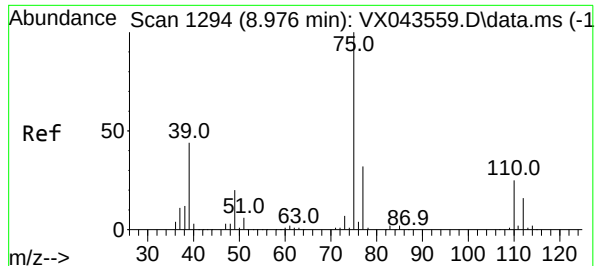
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#52
Toluene
Concen: 21.337 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 92 Resp: 100958
Ion Ratio Lower Upper
92 100
91 167.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 21.853 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 5648

Ion Ratio Lower Upper

75 100

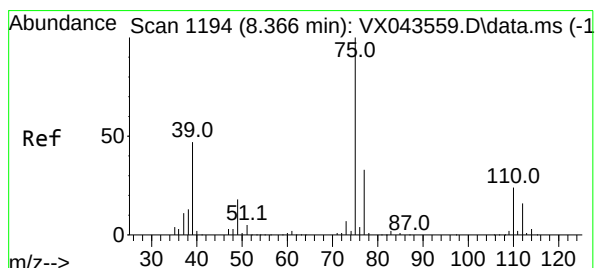
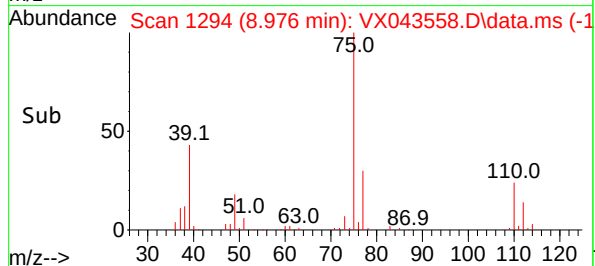
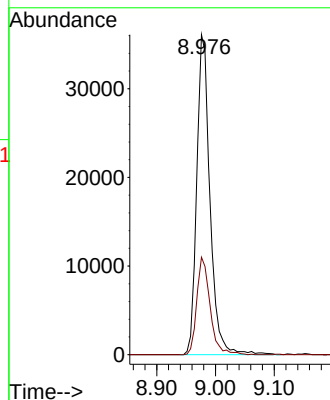
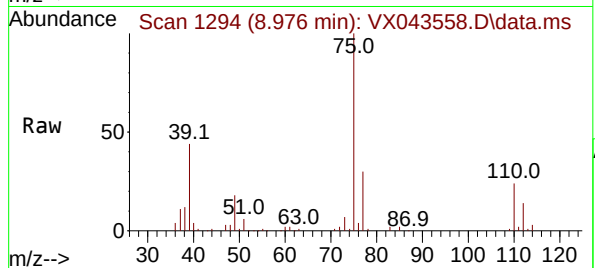
77 30.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#54

cis-1,3-Dichloropropene

Concen: 21.962 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

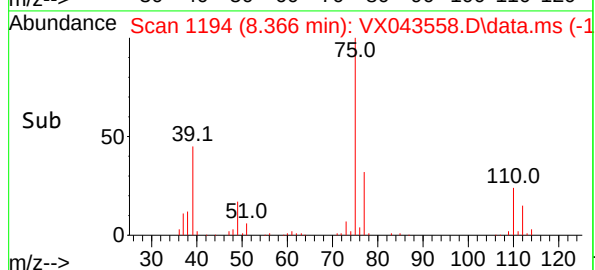
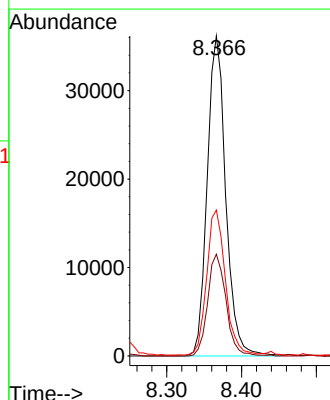
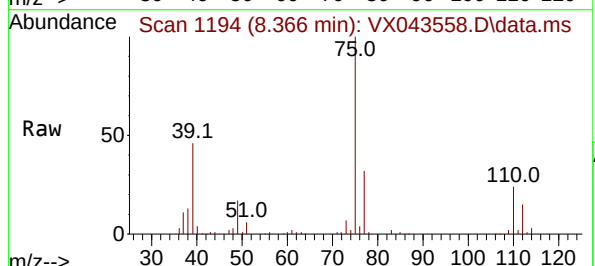
Tgt Ion: 75 Resp: 62338

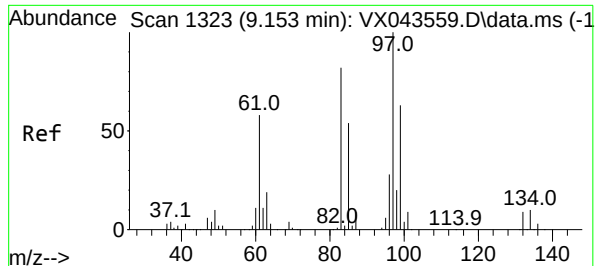
Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

39 45.2 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 20.132 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 4019

Ion Ratio Lower Upper

97 100

83 85.0 67.3 100.9

85 54.6 43.6 65.4

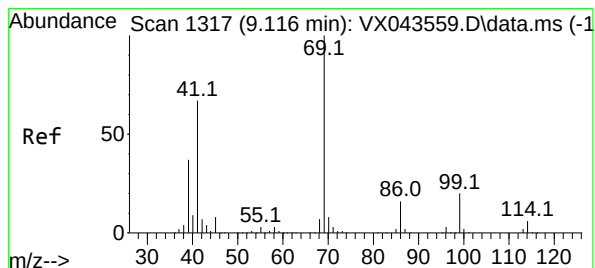
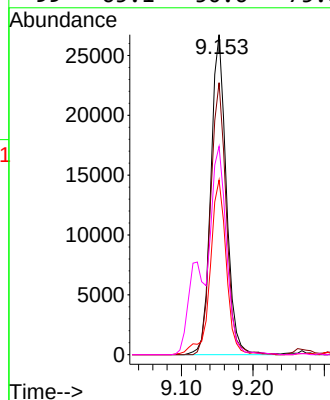
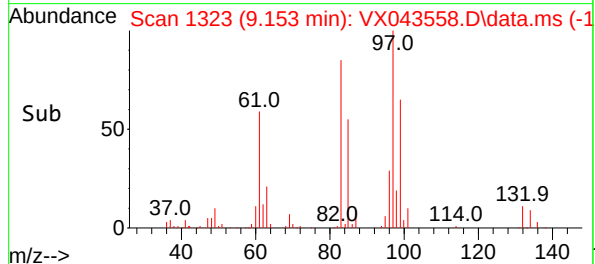
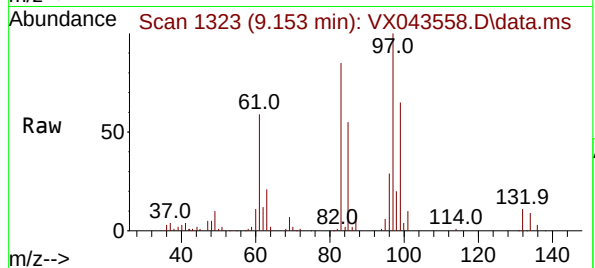
99 65.1 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#56

Ethyl methacrylate

Concen: 20.255 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

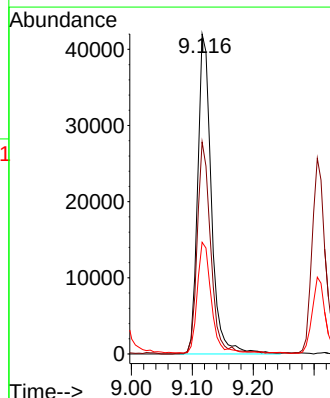
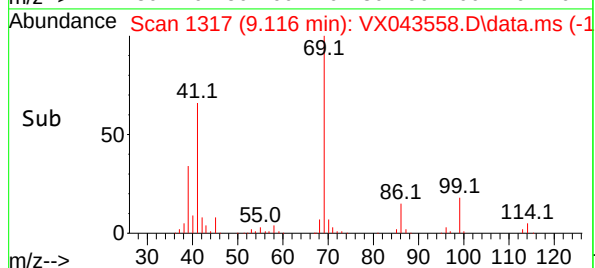
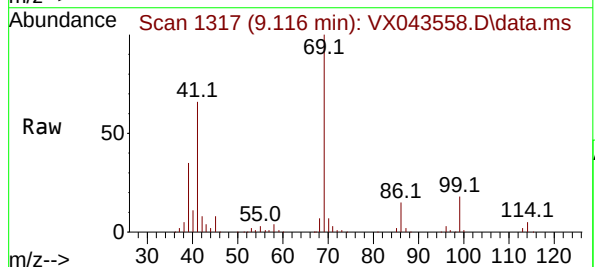
Tgt Ion: 69 Resp: 65359

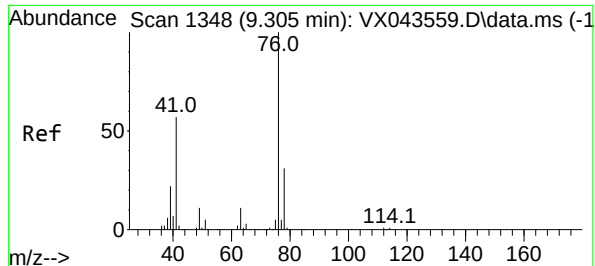
Ion Ratio Lower Upper

69 100

41 65.3 53.8 80.8

39 34.8 29.9 44.9





#57

1,3-Dichloropropane

Concen: 20.831 ug/l

RT: 9.305 min Scan# 1148

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 68679

Ion Ratio Lower Upper

76 100

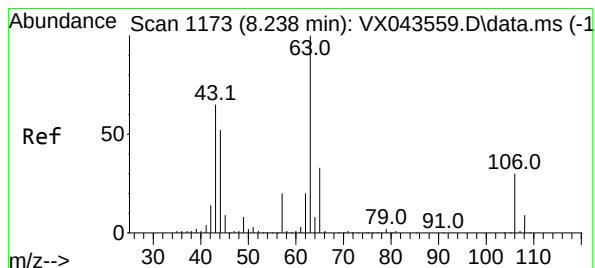
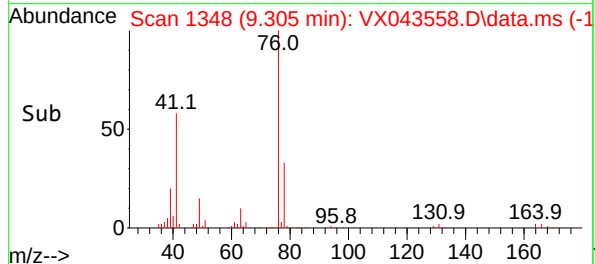
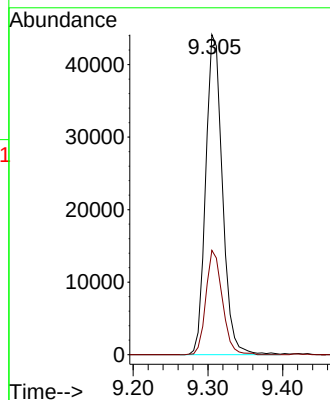
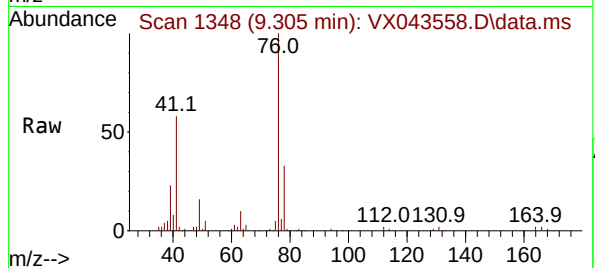
78 32.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#58

2-Chloroethyl Vinyl ether

Concen: 105.324 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043558.D

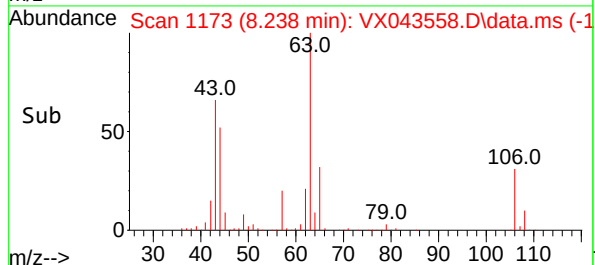
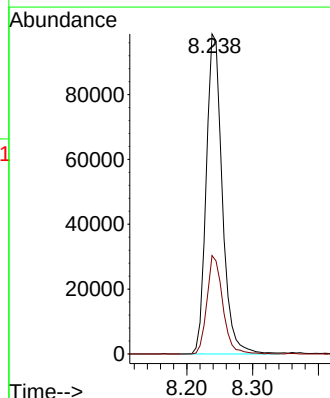
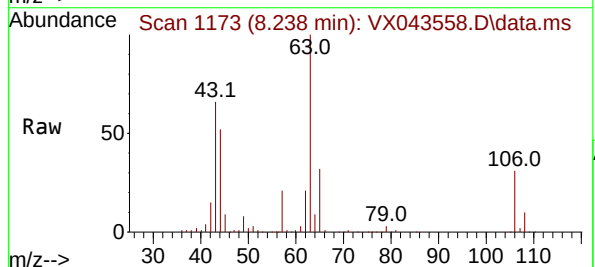
Acq: 28 Oct 2024 11:45

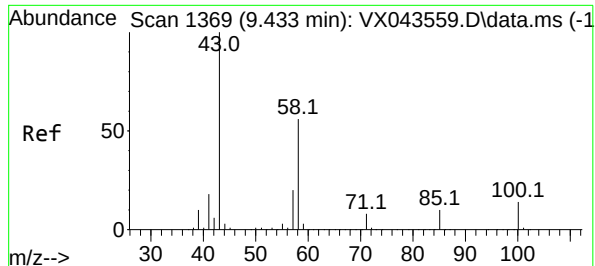
Tgt Ion: 63 Resp: 167179

Ion Ratio Lower Upper

63 100

106 30.4 23.6 35.4





#59

2-Hexanone

Concen: 93.320 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 221604

Ion Ratio Lower Upper

43 100

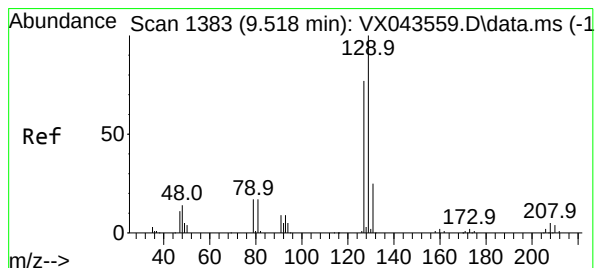
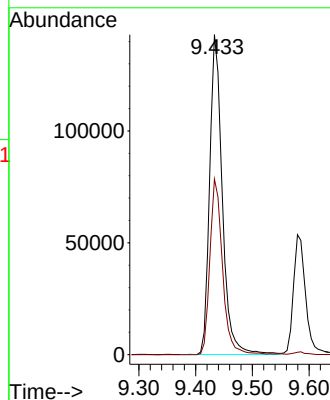
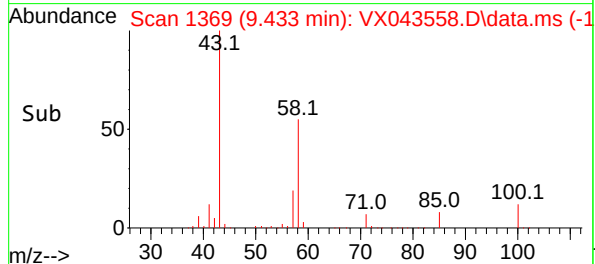
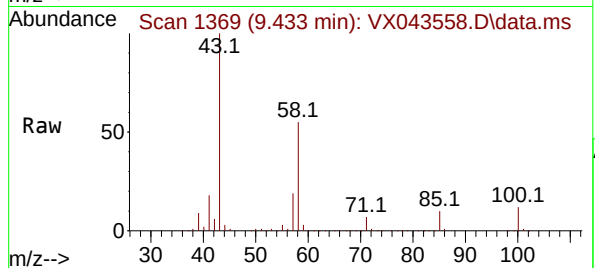
58 54.9 27.5 82.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#60

Dibromochloromethane

Concen: 20.721 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043558.D

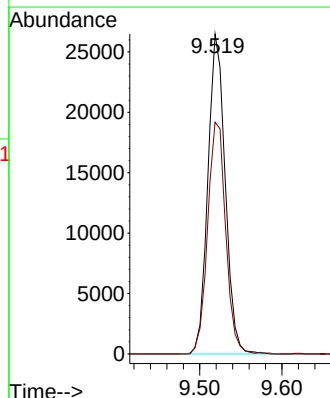
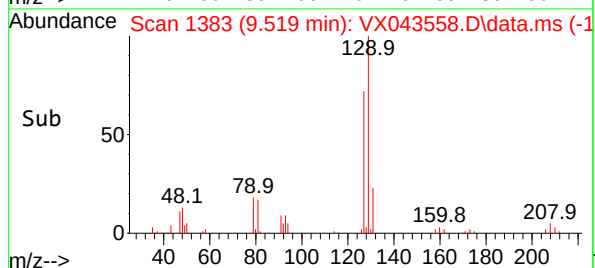
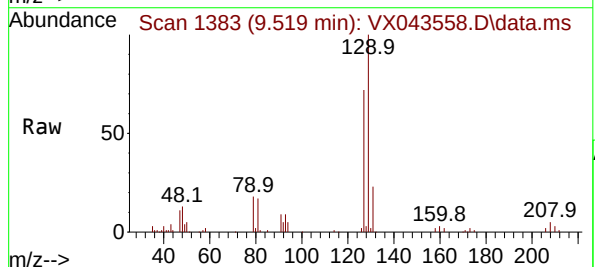
Acq: 28 Oct 2024 11:45

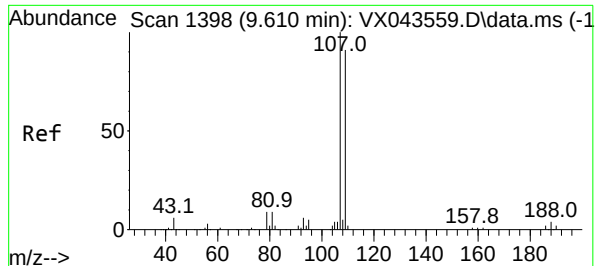
Tgt Ion:129 Resp: 38713

Ion Ratio Lower Upper

129 100

127 75.6 38.4 115.1





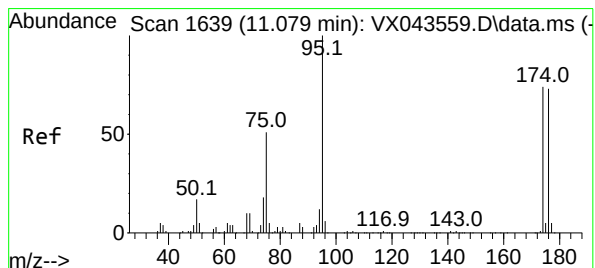
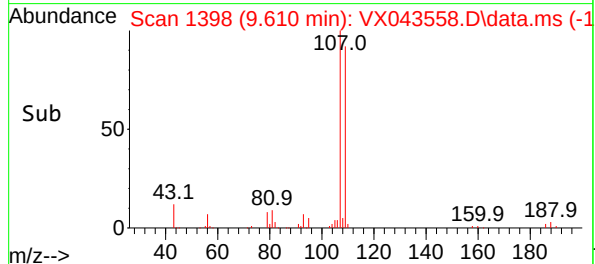
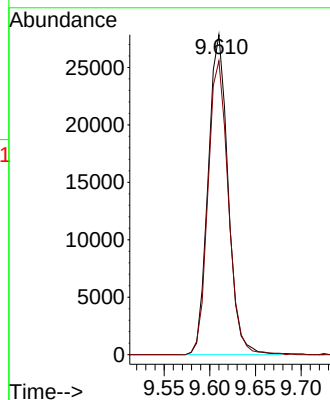
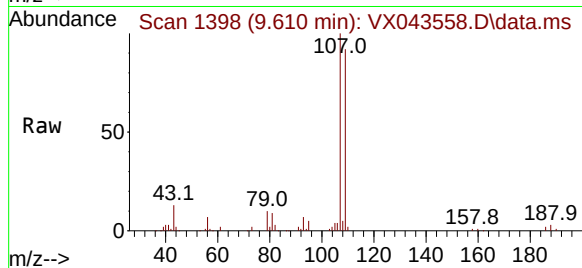
#61
1,2-Dibromoethane
Concen: 20.896 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 42059
Ion Ratio Lower Upper
107 100
109 93.9 77.1 115.7

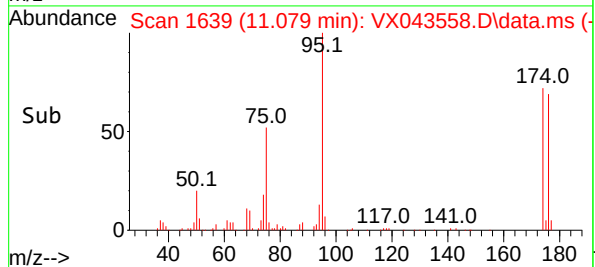
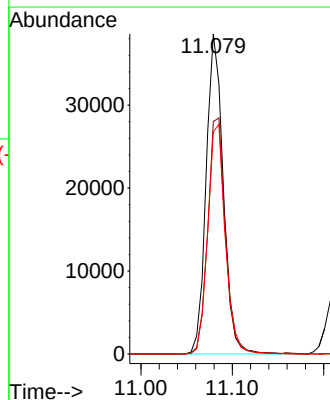
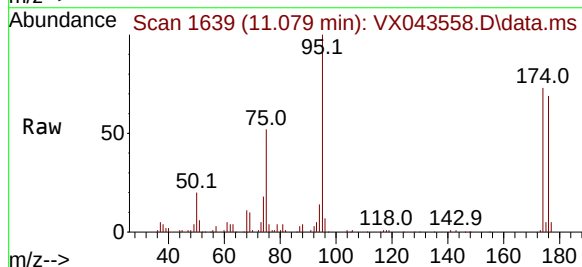
Manual Integrations
APPROVED

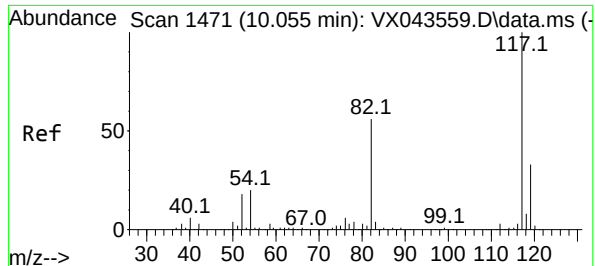
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#62
4-Bromofluorobenzene
Concen: 20.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 95 Resp: 50243
Ion Ratio Lower Upper
95 100
174 75.3 0.0 146.6
176 73.4 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:117 Resp: 25462

Ion Ratio Lower Upper

117 100

82 55.3 42.1 63.1

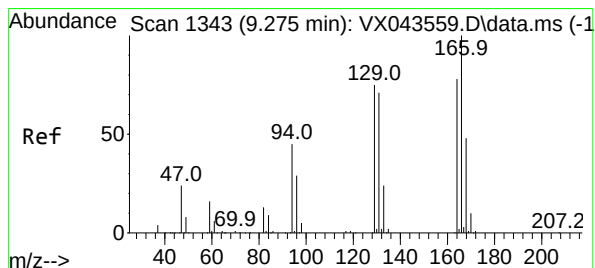
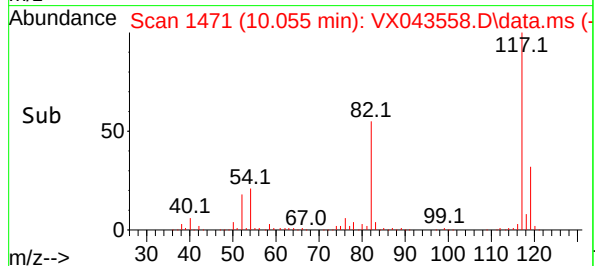
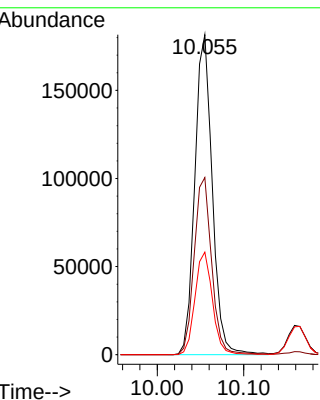
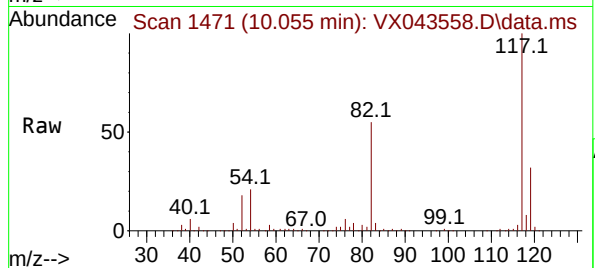
119 32.1 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#64

Tetrachloroethene

Concen: 20.871 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Tgt Ion:164 Resp: 33267

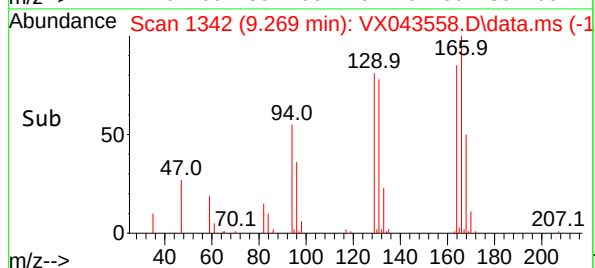
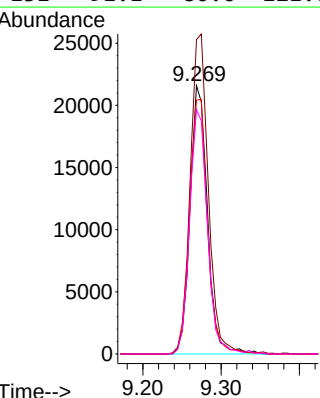
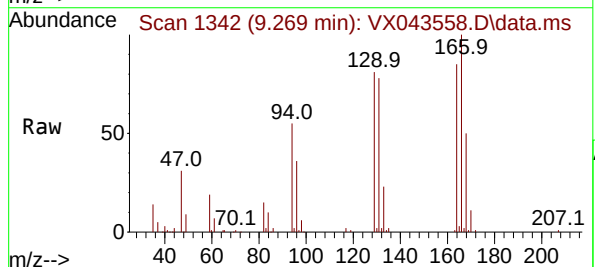
Ion Ratio Lower Upper

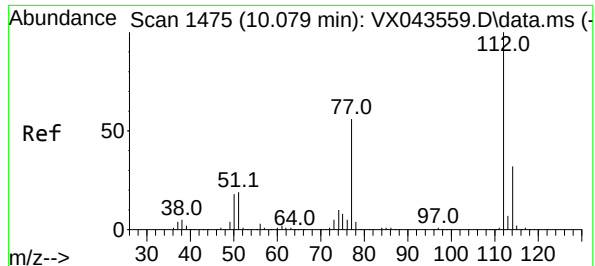
164 100

166 117.2 103.8 155.6

129 94.6 83.8 125.6

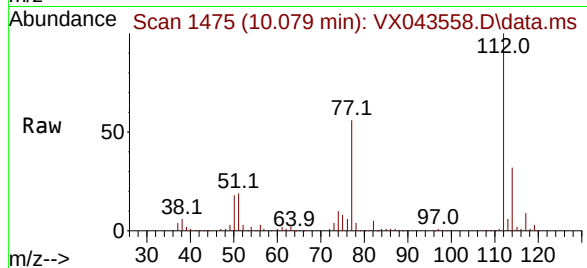
131 91.1 80.6 121.0





#65
Chlorobenzene
Concen: 20.814 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

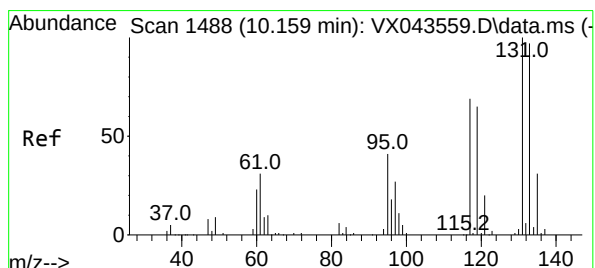
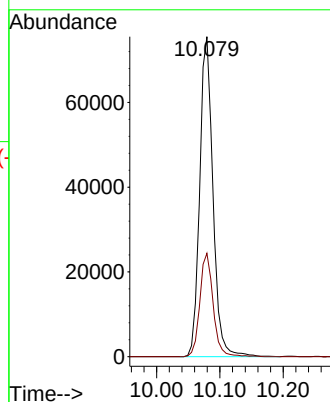
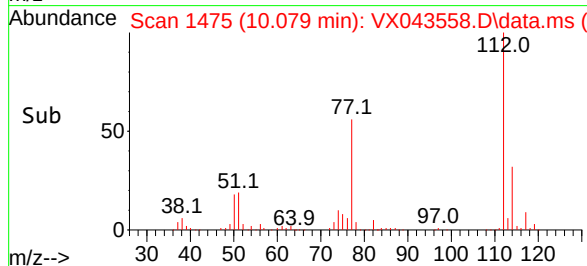
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:112 Resp: 11025
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.6

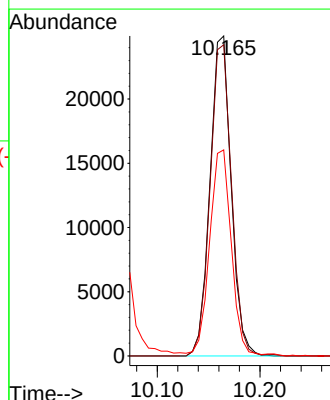
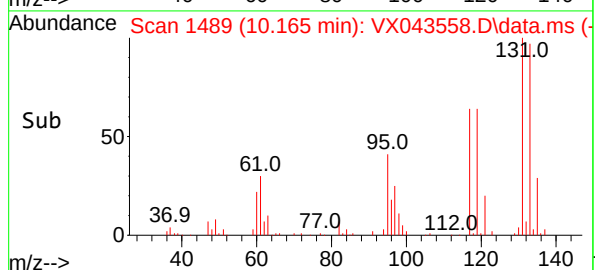
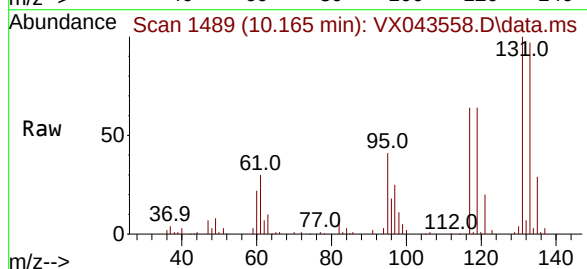
Manual Integrations
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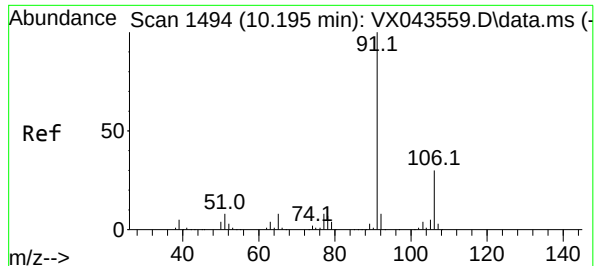
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 19.934 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:131 Resp: 35663
Ion Ratio Lower Upper
131 100
133 98.6 48.0 144.0
119 66.1 32.3 96.9





#67

Ethyl Benzene

Concen: 20.790 ug/l

RT: 10.189 min Scan# 1494

Delta R.T. -0.006 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 183192

Ion Ratio Lower Upper

91 100

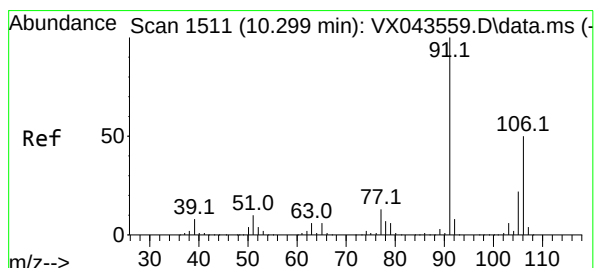
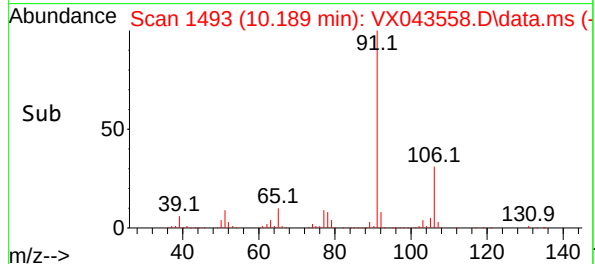
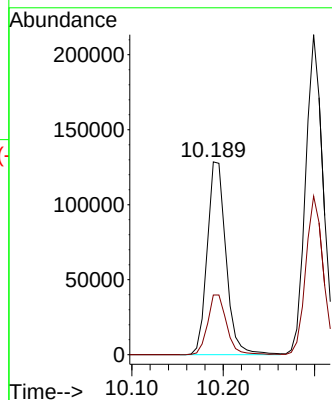
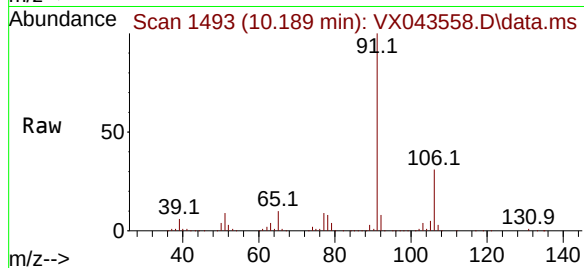
106 30.9 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#68

m/p-Xylenes

Concen: 43.222 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043558.D

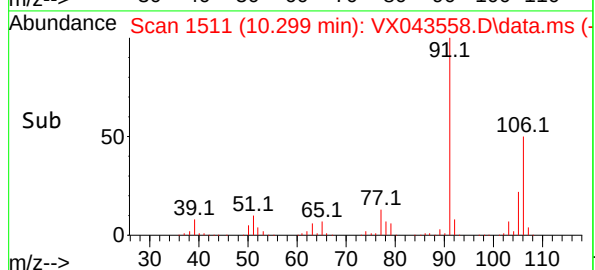
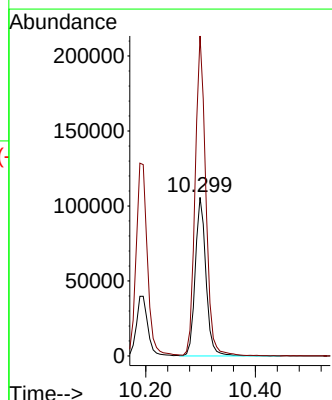
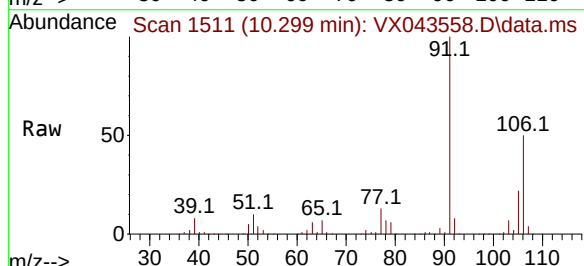
Acq: 28 Oct 2024 11:45

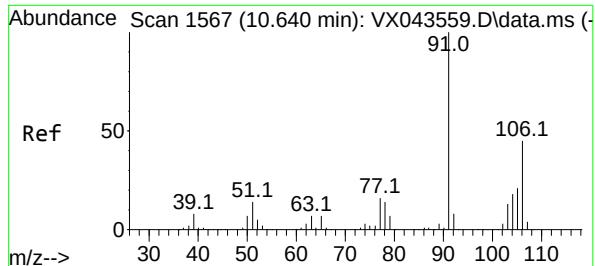
Tgt Ion:106 Resp: 144291

Ion Ratio Lower Upper

106 100

91 199.6 164.7 247.1





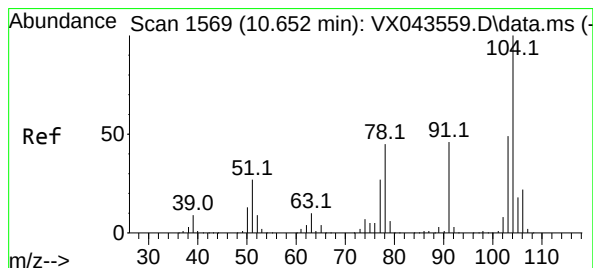
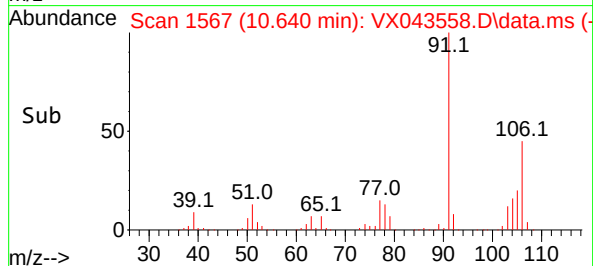
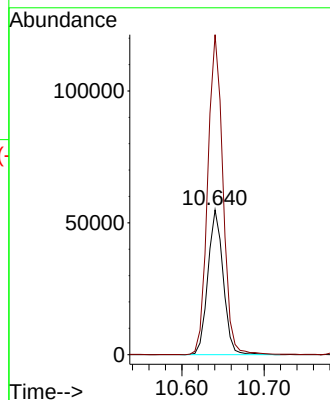
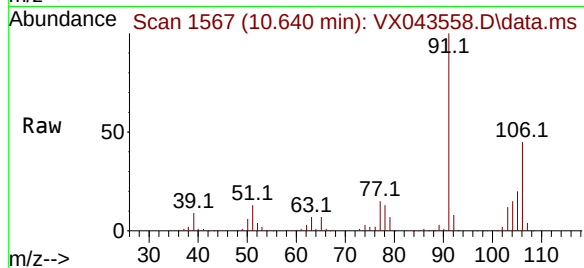
#69
o-Xylene
Concen: 20.704 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 71049
Ion Ratio Lower Upper
106 100
91 219.4 107.9 323.7

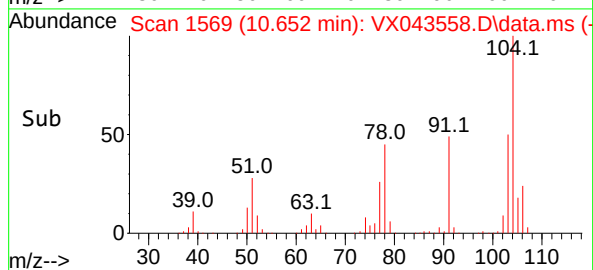
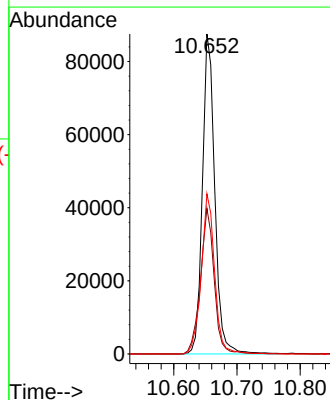
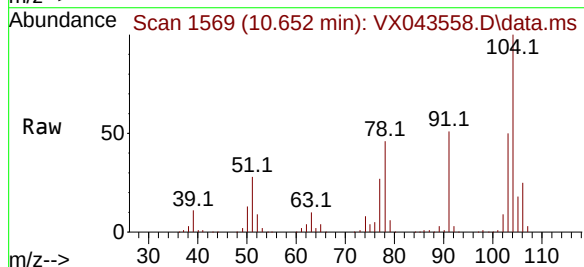
Manual Integrations
APPROVED

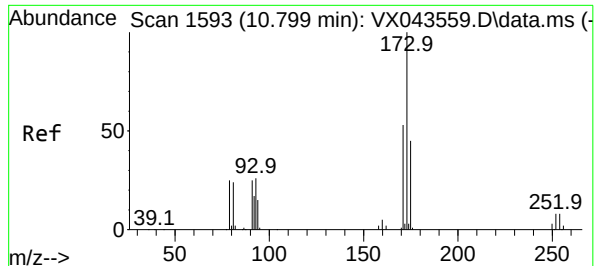
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#70
Styrene
Concen: 21.527 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

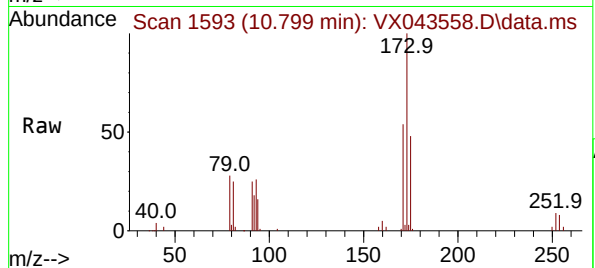
Tgt Ion:104 Resp: 119564
Ion Ratio Lower Upper
104 100
78 50.2 40.0 60.0
103 54.1 43.4 65.0





#71
Bromoform
Concen: 19.445 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

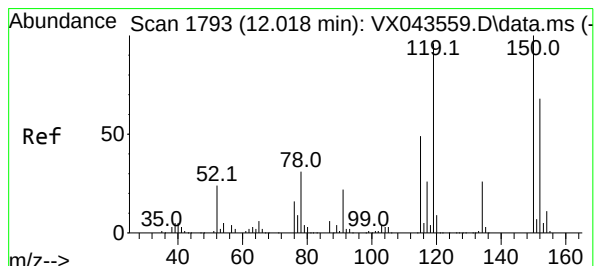
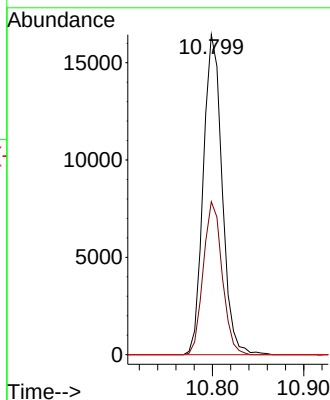
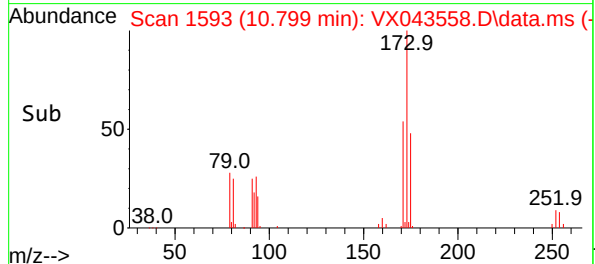
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:173 Resp: 2345
Ion Ratio Lower Upper
173 100
175 47.9 23.3 69.9
254 0.0 0.0 0.0

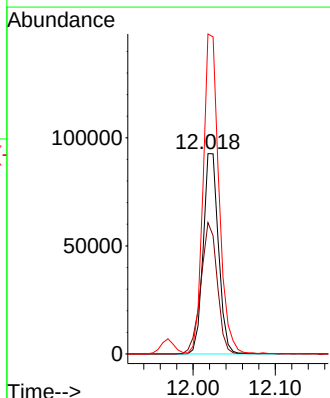
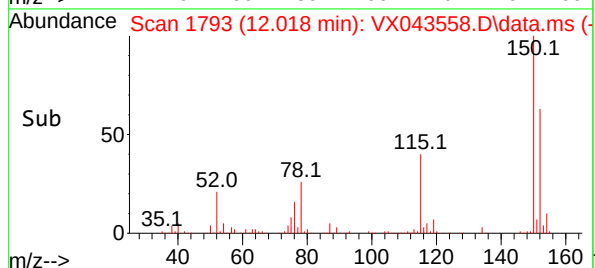
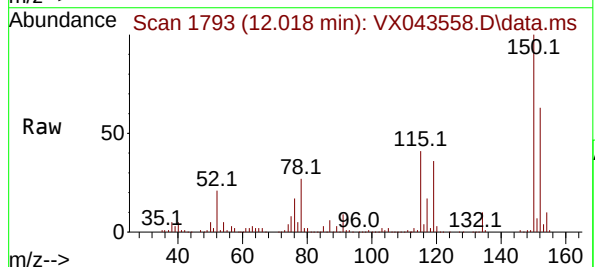
Manual Integrations
APPROVED

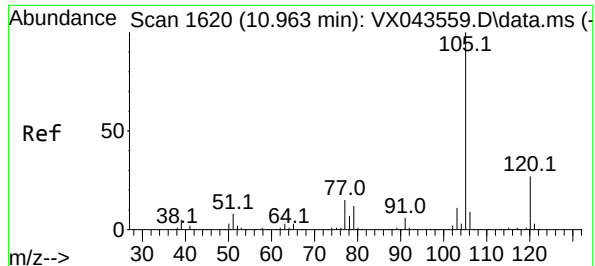
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:152 Resp: 119710
Ion Ratio Lower Upper
152 100
115 70.3 42.9 128.7
150 164.5 0.0 343.6





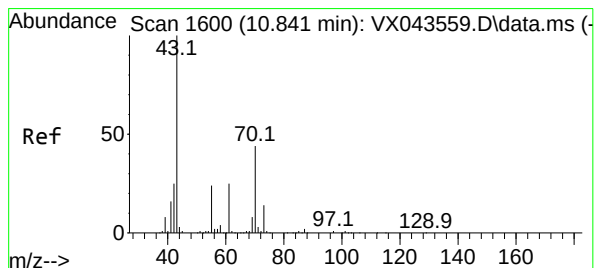
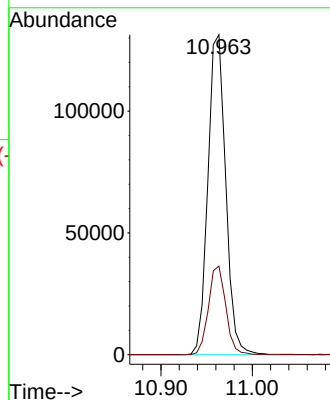
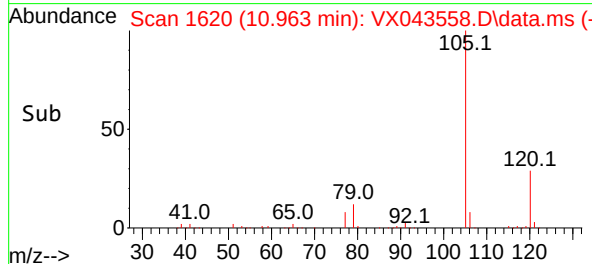
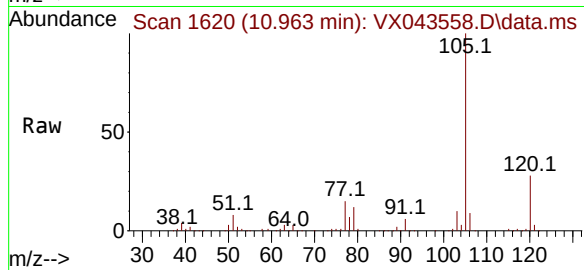
#73
Isopropylbenzene
Concen: 20.733 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 17740
Ion Ratio Lower Upper
105 100
120 27.0 13.2 39.6

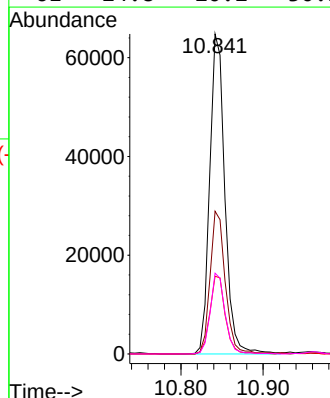
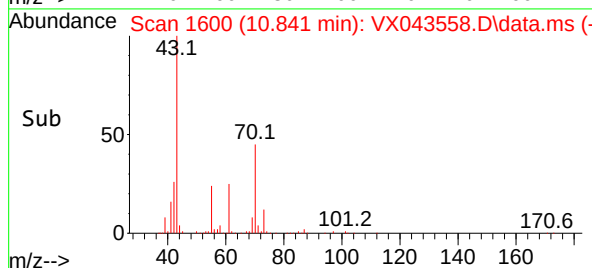
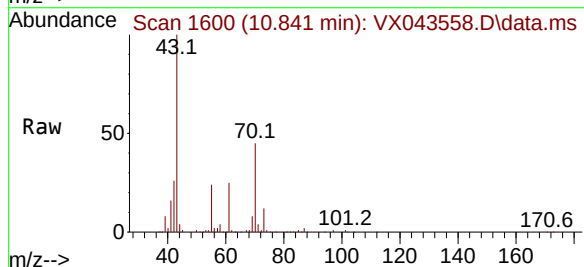
Manual Integrations
APPROVED

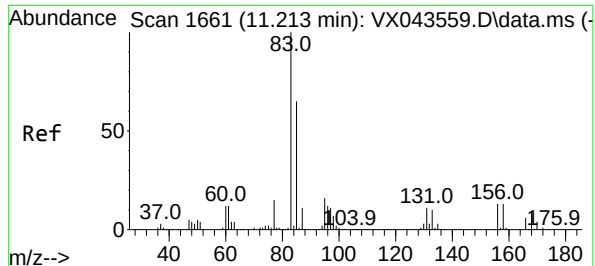
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#74
N-ethyl acetate
Concen: 19.288 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

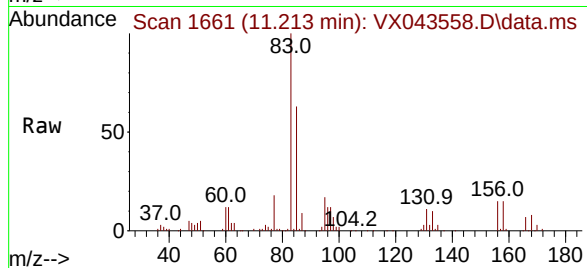
Tgt Ion: 43 Resp: 83132
Ion Ratio Lower Upper
43 100
70 44.9 34.6 52.0
55 24.7 19.6 29.4
61 24.8 20.2 30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.225 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

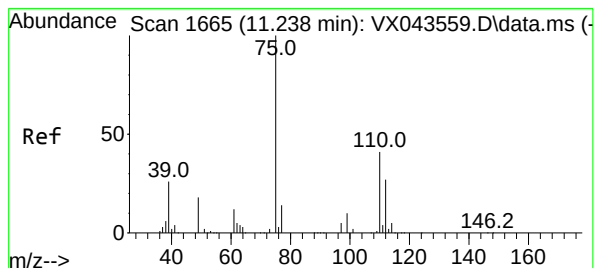
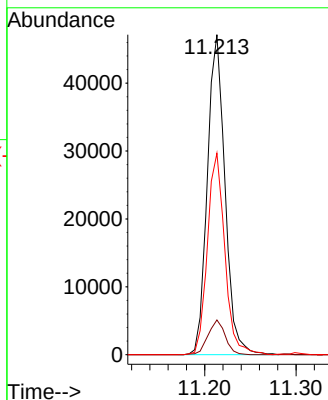
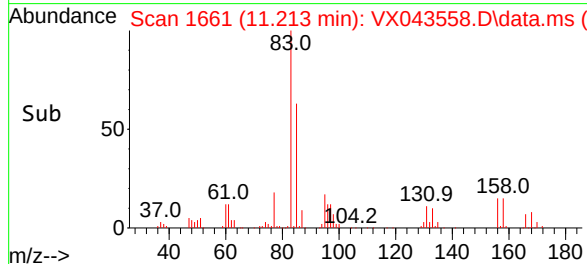
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion: 83 Resp: 63010
Ion Ratio Lower Upper
83 100
131 10.6 5.3 15.9
85 62.3 32.4 97.0

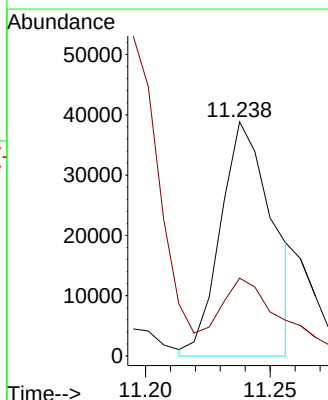
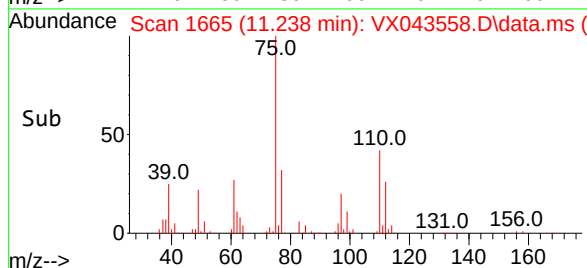
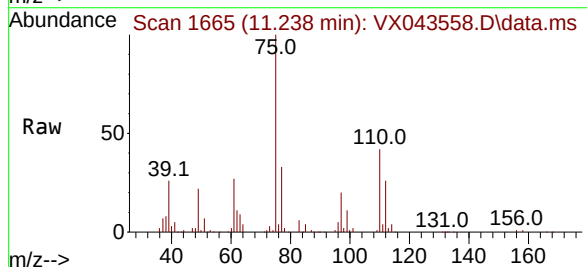
Manual Integrations
APPROVED

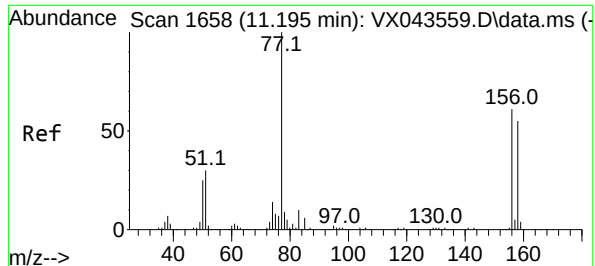
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#76
1,2,3-Trichloropropane
Concen: 20.069 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

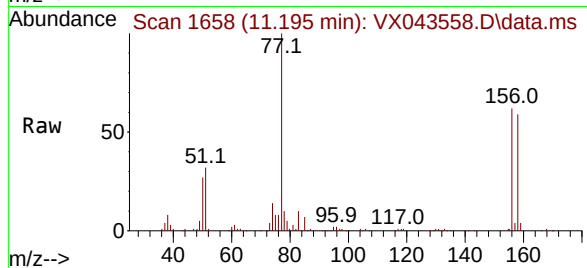
Tgt Ion: 75 Resp: 55850
Ion Ratio Lower Upper
75 100
77 40.3 22.4 67.2





#77
Bromobenzene
Concen: 20.310 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

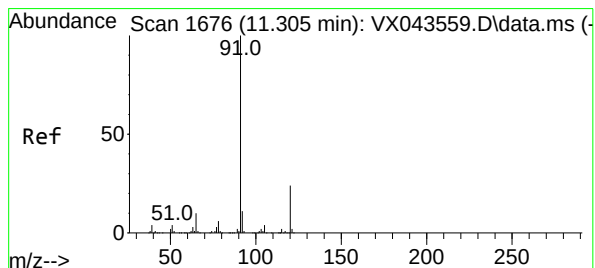
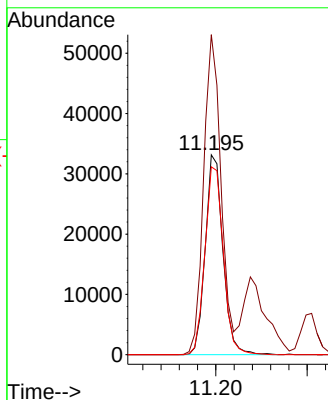
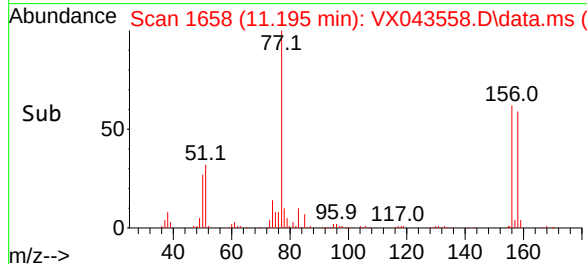
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:156 Resp: 44364
Ion Ratio Lower Upper
156 100
77 156.9 79.7 239.1
158 98.3 48.0 144.0

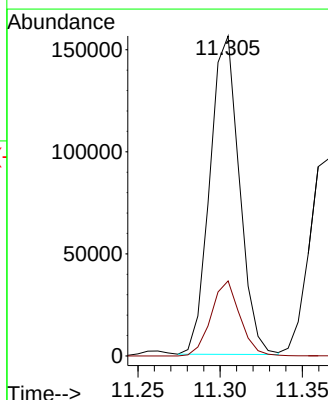
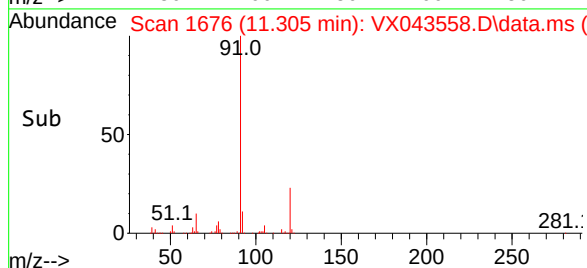
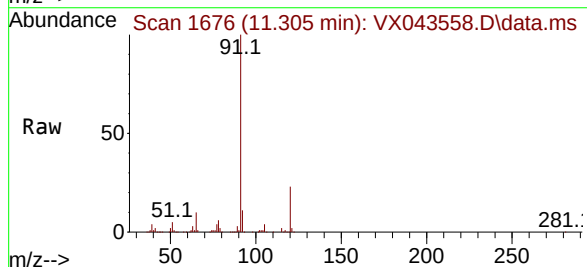
Manual Integrations
APPROVED

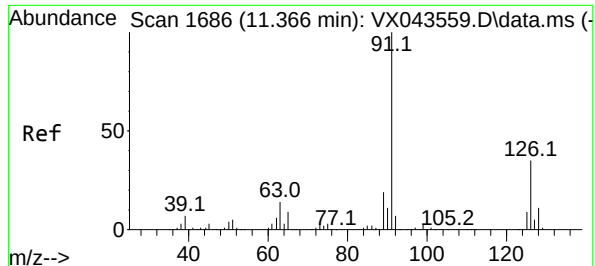
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#78
n-propylbenzene
Concen: 21.351 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 91 Resp: 194707
Ion Ratio Lower Upper
91 100
120 23.1 11.6 34.7





#79

2-Chlorotoluene

Concen: 20.753 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 12698

Ion Ratio Lower Upper

91 100

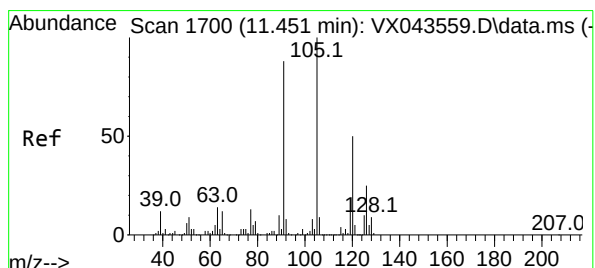
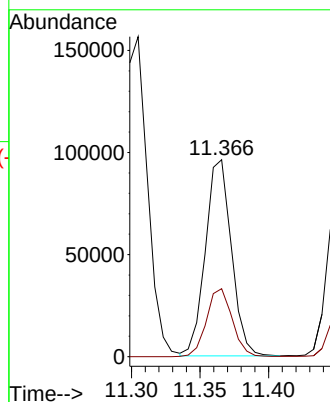
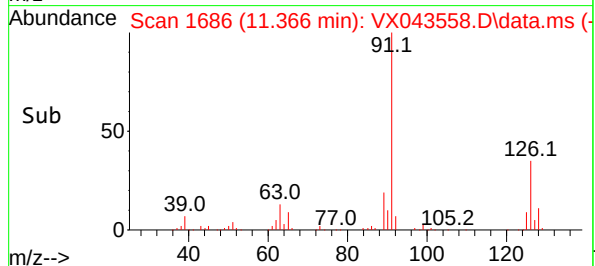
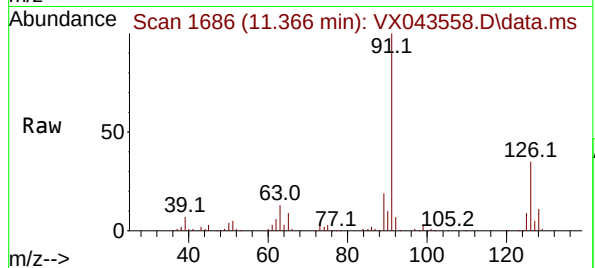
126 34.4 16.7 50.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#80

1,3,5-Trimethylbenzene

Concen: 21.008 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043558.D

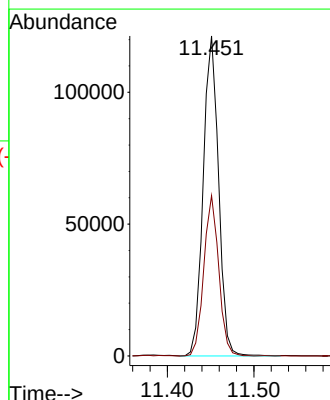
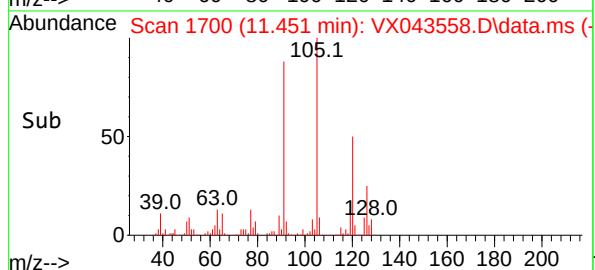
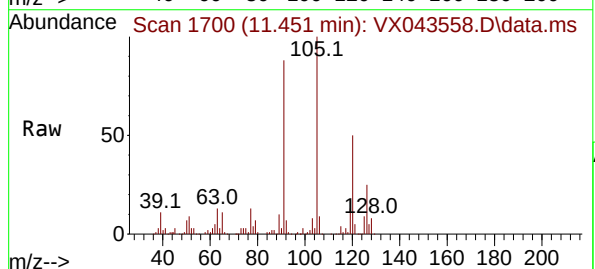
Acq: 28 Oct 2024 11:45

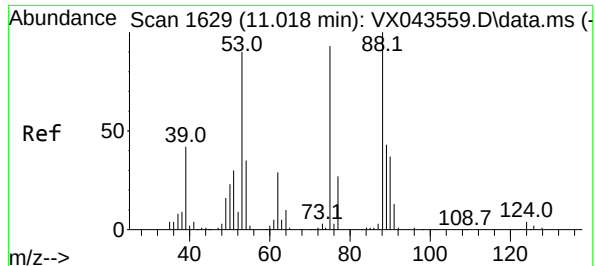
Tgt Ion:105 Resp: 149254

Ion Ratio Lower Upper

105 100

120 48.7 23.8 71.5





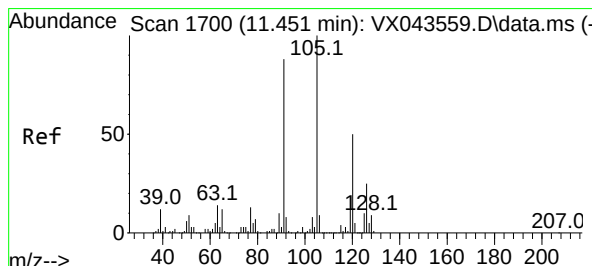
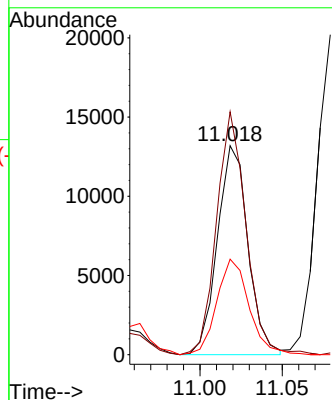
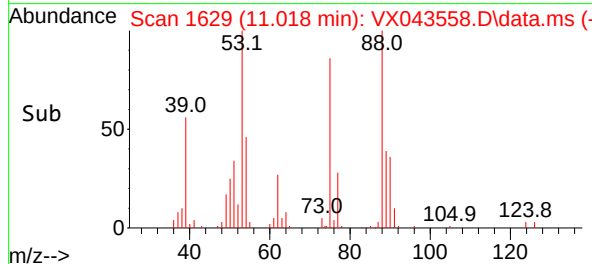
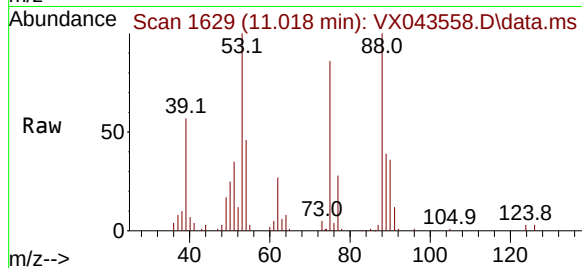
#81
trans-1,4-Dichloro-2-butene
Concen: 18.703 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:	75	Resp:	1705
Ion	Ratio	Lower	Upper
75	100		
53	111.9	84.6	126.8
89	48.1	38.6	58.0

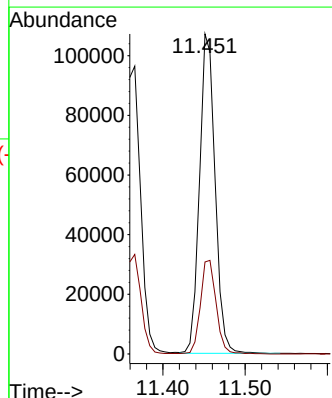
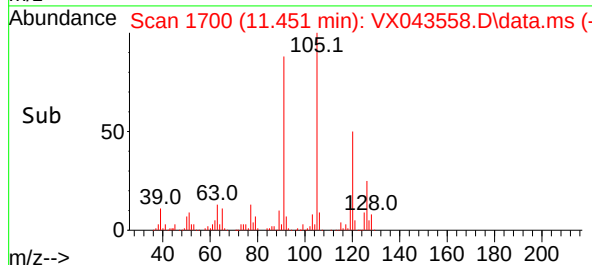
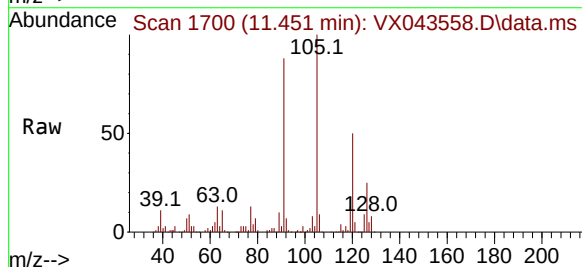
Manual Integrations
APPROVED

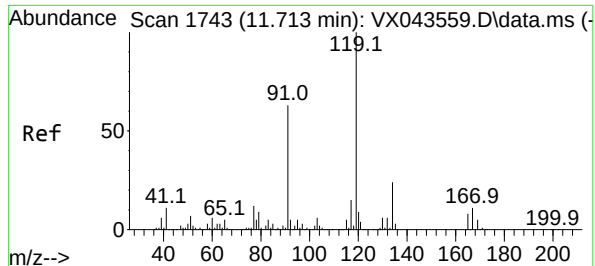
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#82
4-Chlorotoluene
Concen: 20.804 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

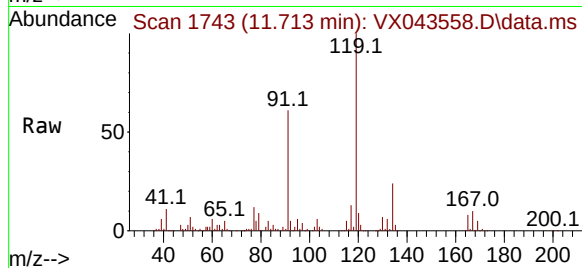
Tgt Ion:	91	Resp:	140875
Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.2	42.8





#83
tert-Butylbenzene
Concen: 20.809 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

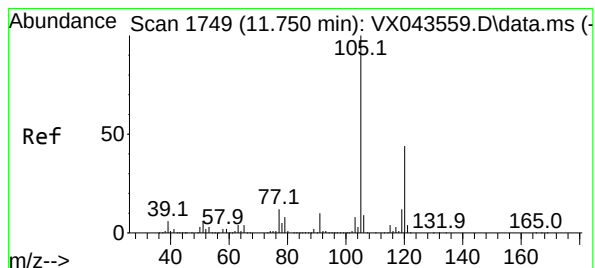
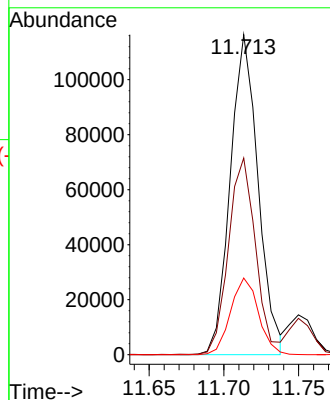
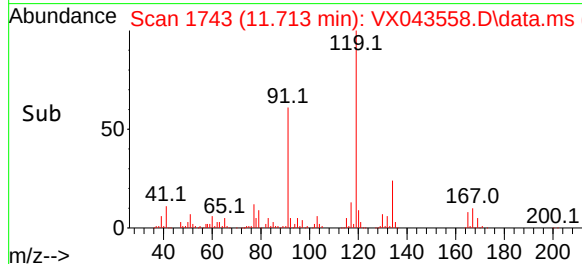
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:119 Resp: 150760
Ion Ratio Lower Upper
119 100
91 60.3 29.5 88.5
134 24.0 11.8 35.3

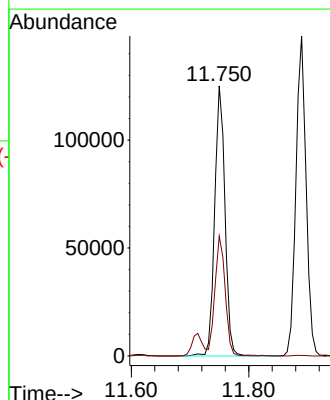
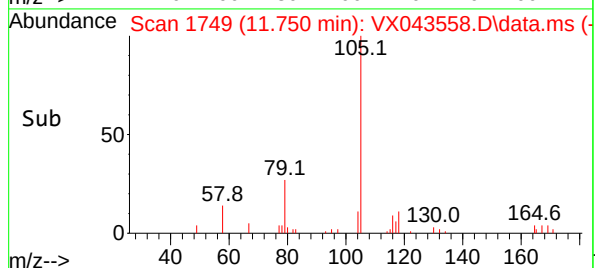
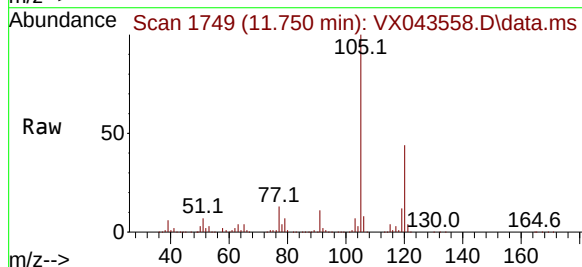
Manual Integrations
APPROVED

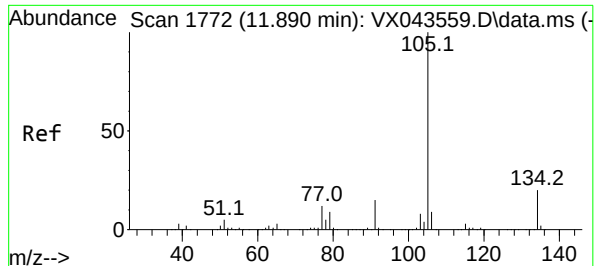
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#84
1,2,4-Trimethylbenzene
Concen: 21.002 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

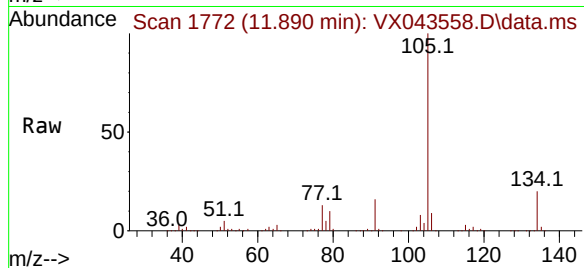
Tgt Ion:105 Resp: 152608
Ion Ratio Lower Upper
105 100
120 43.6 22.1 66.1





#85
sec-Butylbenzene
Concen: 21.218 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

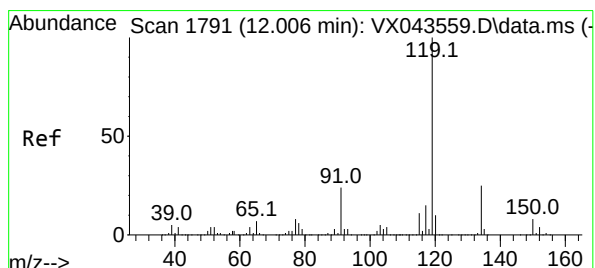
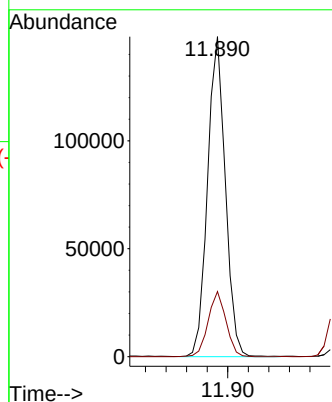
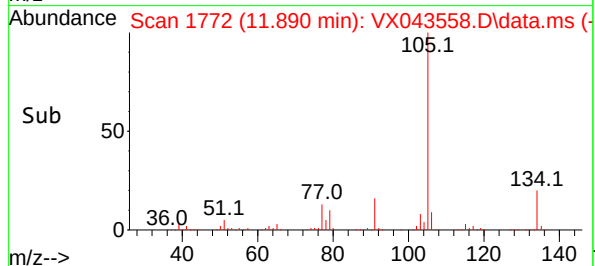
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 17804
Ion Ratio Lower Upper
105 100
134 20.4 9.8 29.5

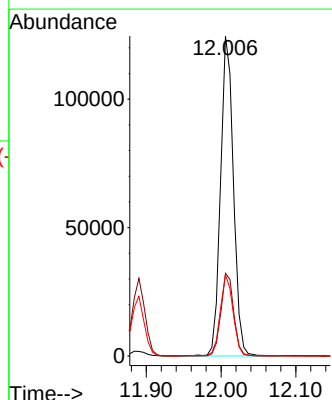
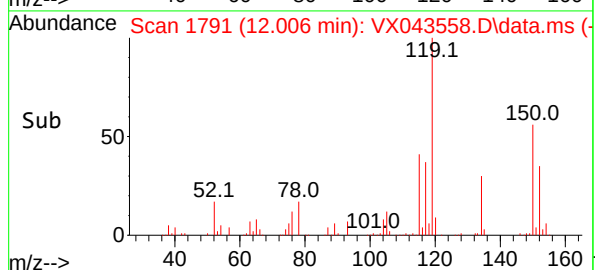
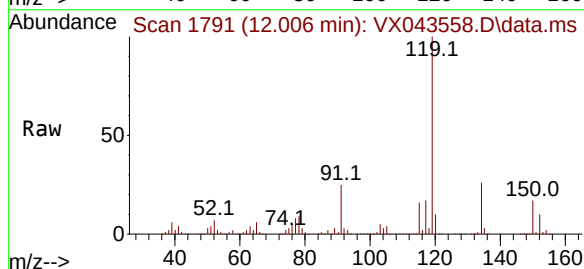
Manual Integrations
APPROVED

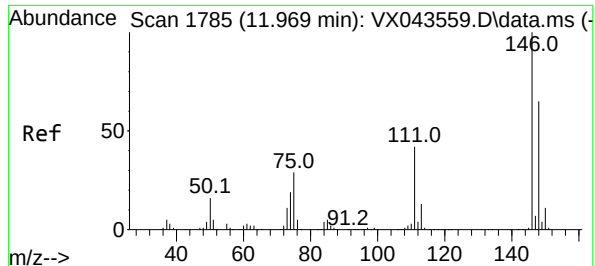
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#86
p-Isopropyltoluene
Concen: 21.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:119 Resp: 149537
Ion Ratio Lower Upper
119 100
134 25.7 13.1 39.1
91 25.3 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 20.122 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

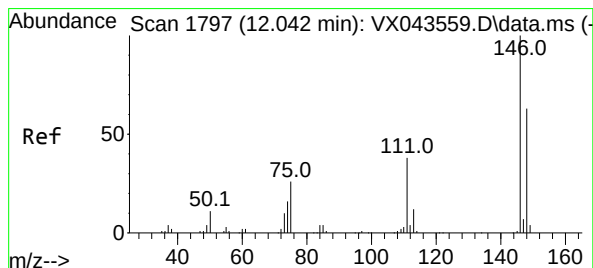
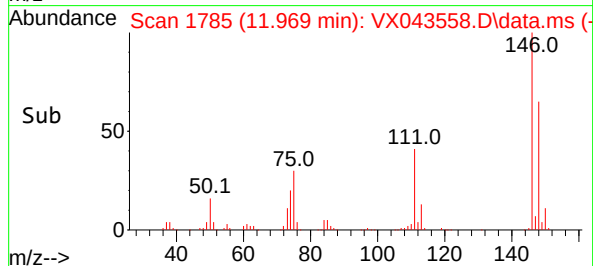
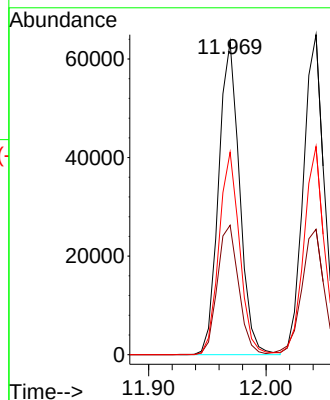
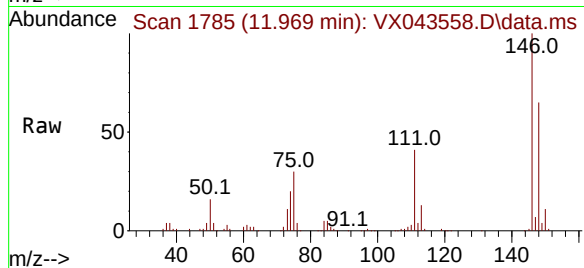
VSTDIC020

Tgt Ion:146	Resp:	7886
Ion Ratio	Lower	Upper
146	100	
111	42.2	21.1 63.4
148	63.5	31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#88

1,4-Dichlorobenzene

Concen: 20.525 ug/l

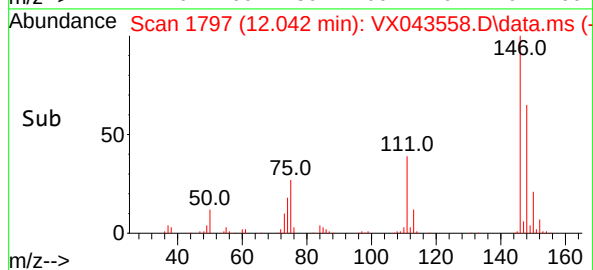
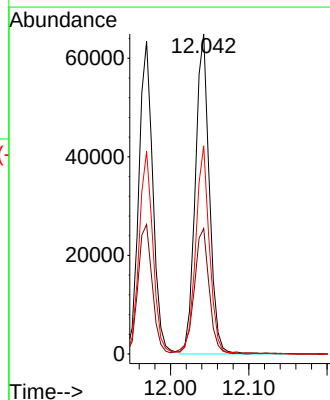
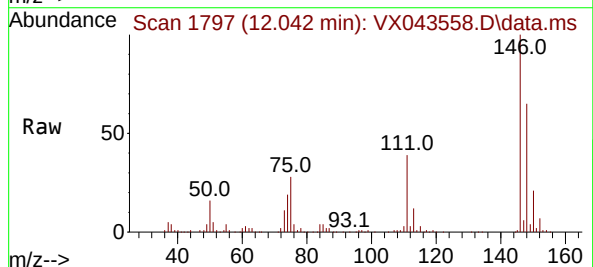
RT: 12.042 min Scan# 1797

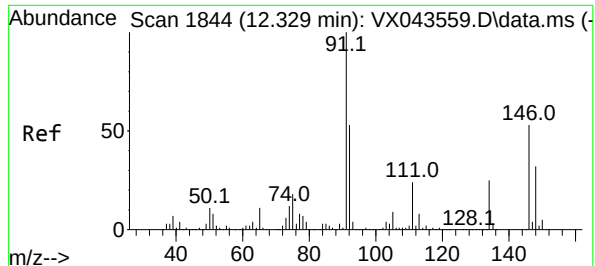
Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Tgt Ion:146	Resp:	81095
Ion Ratio	Lower	Upper
146	100	
111	42.0	20.4 61.3
148	63.8	31.9 95.9





#89

n-Butylbenzene

Concen: 21.375 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 12046

Ion Ratio Lower Upper

91 100

92 54.9 27.1 81.2

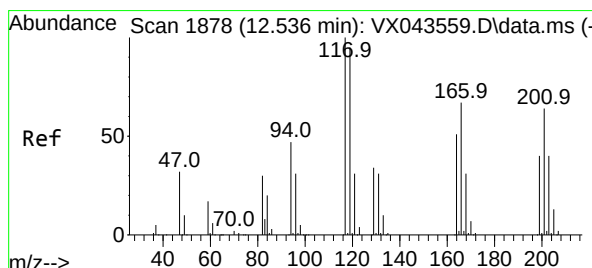
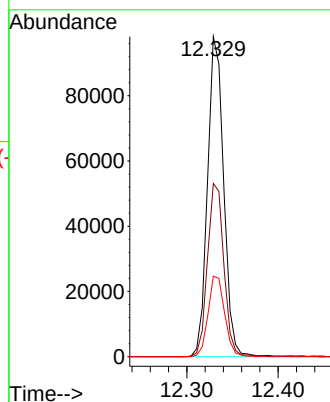
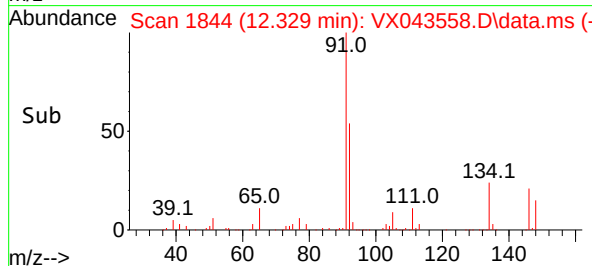
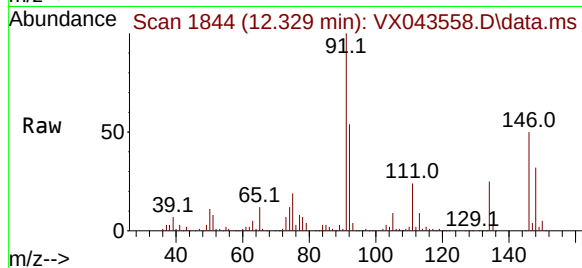
134 25.8 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#90

Hexachloroethane

Concen: 20.246 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043558.D

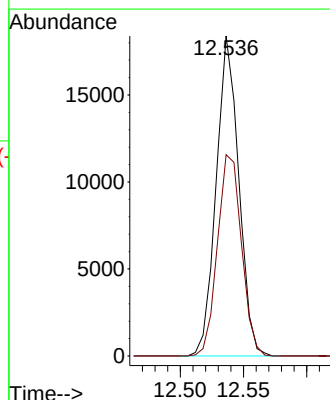
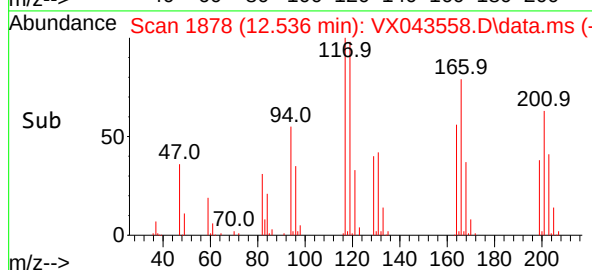
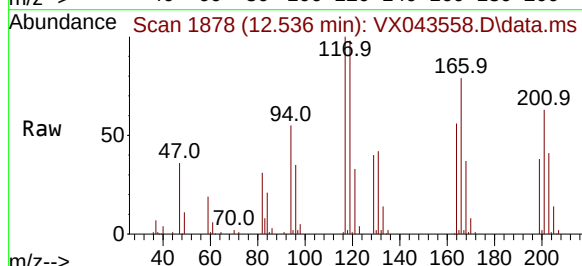
Acq: 28 Oct 2024 11:45

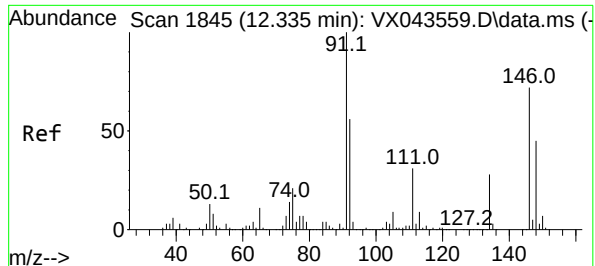
Tgt Ion:117 Resp: 22769

Ion Ratio Lower Upper

117 100

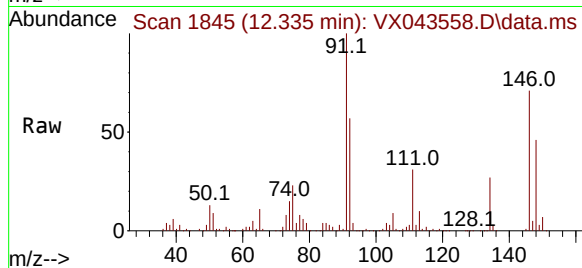
201 67.1 32.9 98.7





#91
1,2-Dichlorobenzene
Concen: 20.112 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

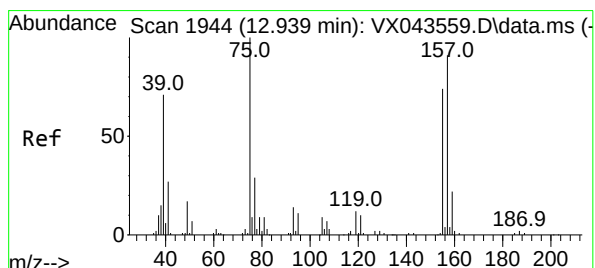
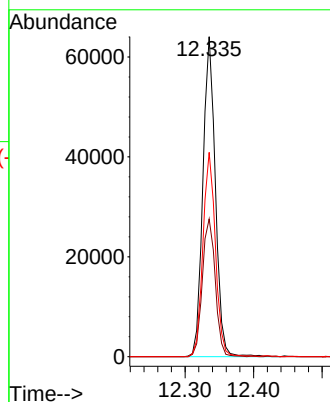
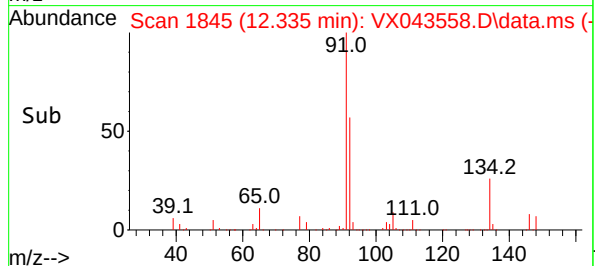
Instrument :
MSVOA_X
Client Sample Id :
VSTDICC020



Tgt Ion: 146 Resp: 8128
Ion Ratio Lower Upper
146 100
111 44.6 21.6 64.6
148 64.0 31.6 95.0

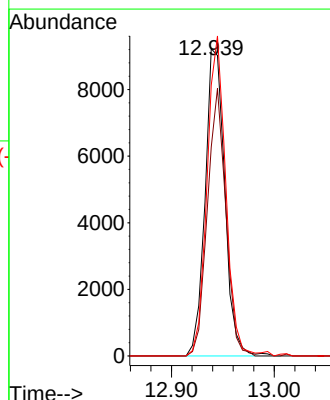
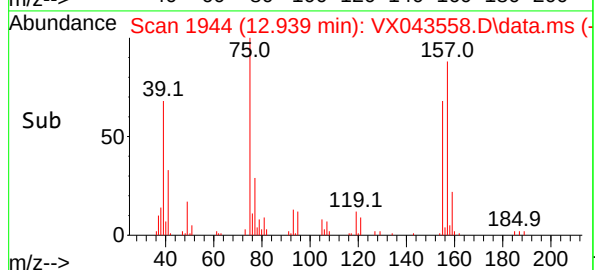
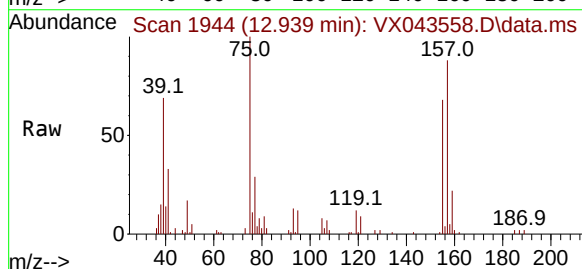
Manual Integrations
APPROVED

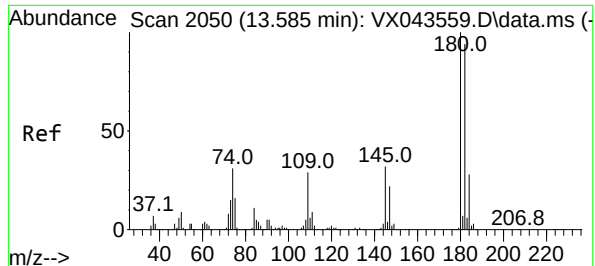
Reviewed By : Semsettin Yesilyurt 10/29/2024
Supervised By : Mahesh Dadoda 10/29/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.603 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 75 Resp: 12277
Ion Ratio Lower Upper
75 100
155 81.3 40.1 120.3
157 99.8 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 20.219 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

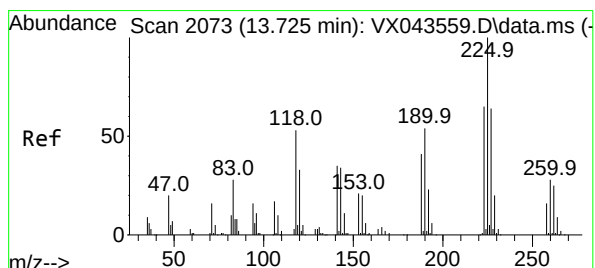
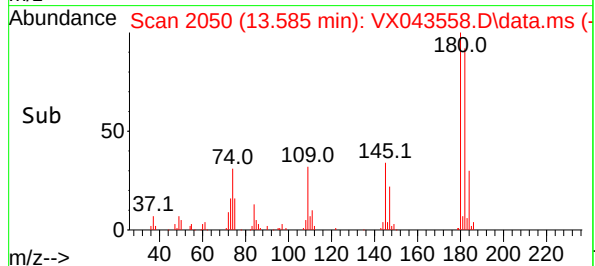
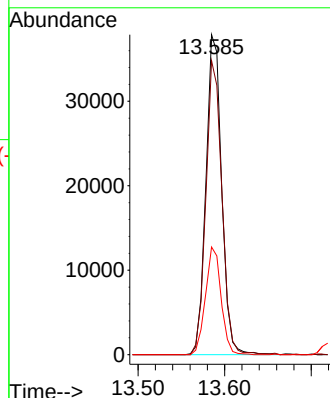
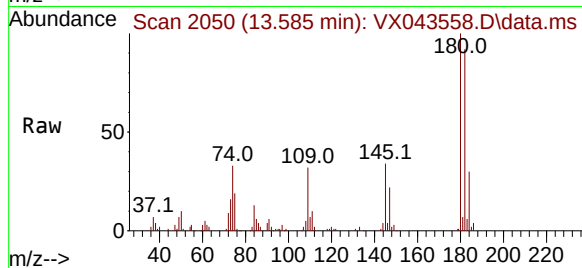
VSTDIC020

Tgt Ion:	180	Resp:	4785
Ion Ratio	Lower	Upper	
180	100		
182	93.4	46.8	140.4
145	33.4	16.1	48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#94

Hexachlorobutadiene

Concen: 21.589 ug/l

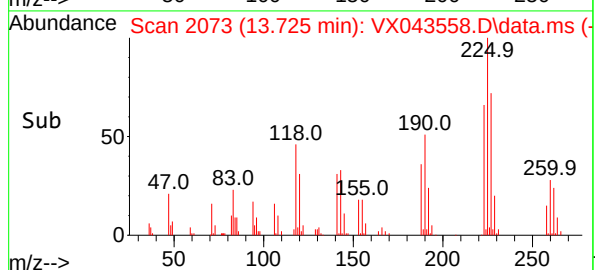
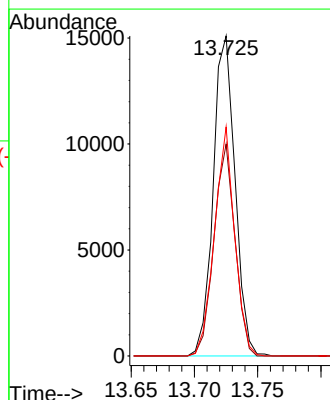
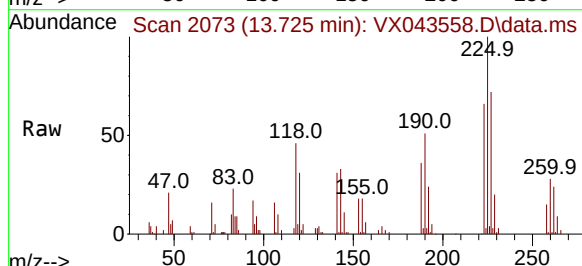
RT: 13.725 min Scan# 2073

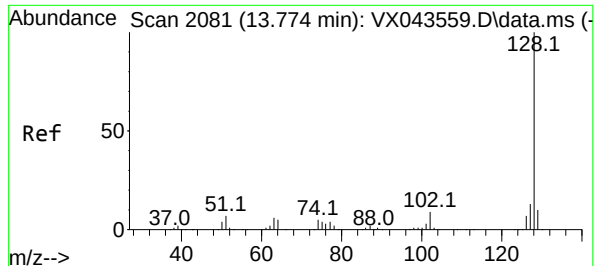
Delta R.T. 0.000 min

Lab File: VX043558.D

Acq: 28 Oct 2024 11:45

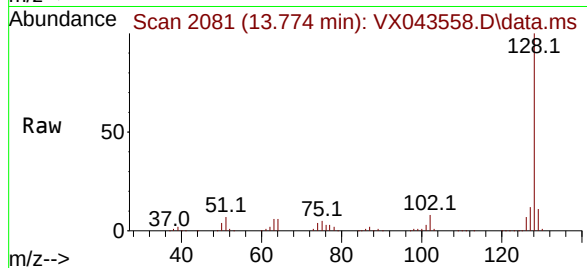
Tgt Ion:	225	Resp:	18082
Ion Ratio	Lower	Upper	
225	100		
223	63.8	30.8	92.4
227	66.2	31.6	94.8





#95
Naphthalene
Concen: 19.754 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

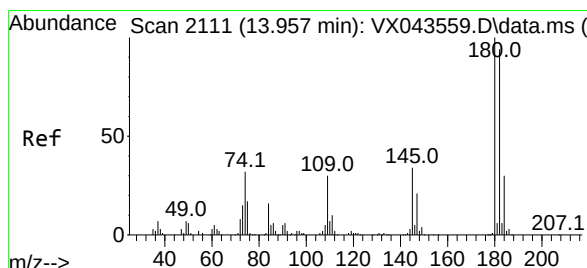
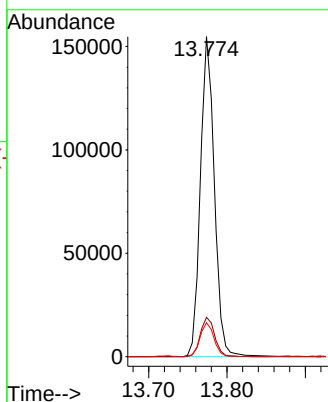
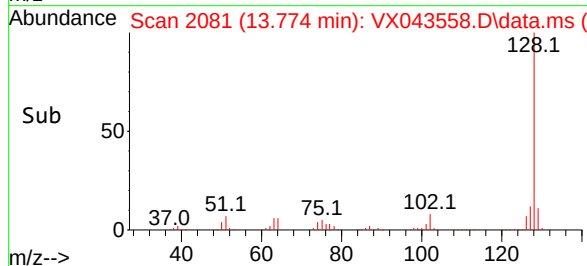
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:128 Resp: 19183
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.7 8.7 13.1

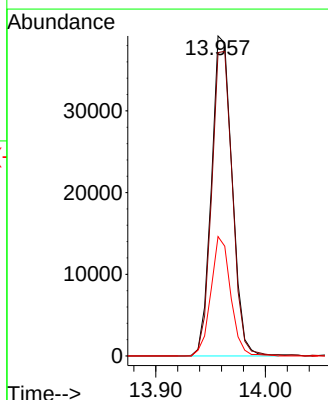
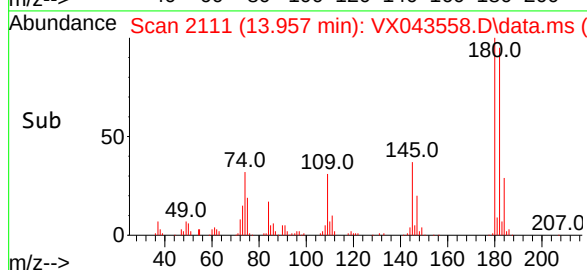
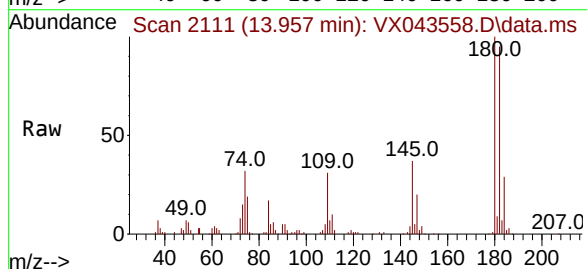
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 20.826 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:180 Resp: 51568
Ion Ratio Lower Upper
180 100
182 95.4 47.1 141.3
145 35.5 17.4 52.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043559.D
 Acq On : 28 Oct 2024 12:08
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
 Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	148919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	270771	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116854	49.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.940%		
35) Dibromofluoromethane	5.379	113	91079	50.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.040%		
50) Toluene-d8	8.647	98	318252	50.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.820%		
62) 4-Bromofluorobenzene	11.079	95	120225	52.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	75417	45.433	ug/l	96
3) Chloromethane	1.294	50	96896	45.755	ug/l	99
4) Vinyl Chloride	1.374	62	94488	48.982	ug/l	99
5) Bromomethane	1.593	94	38969	51.722	ug/l	98
6) Chloroethane	1.666	64	33540	53.137	ug/l	99
7) Trichlorofluoromethane	1.867	101	116013	45.825	ug/l	98
8) Diethyl Ether	2.136	74	52937	47.871	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.312	101	78193	48.932	ug/l	99
10) Methyl Iodide	2.440	142	116521	52.655	ug/l	99
11) Tert butyl alcohol	3.014	59	116081m	230.069	ug/l	
12) 1,1-Dichloroethene	2.306	96	79758	50.765	ug/l	93
13) Acrolein	2.239	56	80960	203.631	ug/l	98
14) Allyl chloride	2.654	41	141976	50.925	ug/l	98
15) Acrylonitrile	3.068	53	259325	232.022	ug/l	100
16) Acetone	2.392	43	232587	230.659	ug/l	100
17) Carbon Disulfide	2.501	76	168807	51.908	ug/l	100
18) Methyl Acetate	2.709	43	137905	45.505	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	309762	50.673	ug/l	98
20) Methylene Chloride	2.782	84	98700	50.086	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	83735	49.229	ug/l	98
22) Diisopropyl ether	3.763	45	290506	50.487	ug/l	97
23) Vinyl Acetate	3.721	43	1256555	264.336	ug/l	99
24) 1,1-Dichloroethane	3.605	63	165218	50.903	ug/l	98
25) 2-Butanone	4.568	43	359526	234.753	ug/l	100
26) 2,2-Dichloropropane	4.465	77	132434	56.613	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	110158	51.979	ug/l	99
28) Bromochloromethane	4.897	49	75534	47.042	ug/l	98
29) Tetrahydrofuran	5.013	42	230616	230.617	ug/l	100
30) Chloroform	5.086	83	173217	49.905	ug/l	97
31) Cyclohexane	5.464	56	124896	48.500	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	146876	50.355	ug/l	98
36) 1,1-Dichloropropene	5.690	75	105059	49.233	ug/l	98
37) Ethyl Acetate	4.714	43	136901	47.008	ug/l	99
38) Carbon Tetrachloride	5.672	117	120318	49.620	ug/l	98
39) Methylcyclohexane	7.379	83	138062	50.451	ug/l	95
40) Benzene	6.031	78	366906	51.436	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043559.D
 Acq On : 28 Oct 2024 12:08
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
 Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	73294	50.034	ug/l	96
42) 1,2-Dichloroethane	6.086	62	133953	51.050	ug/l	99
43) Isopropyl Acetate	6.342	43	226323	49.127	ug/l	99
44) Trichloroethene	7.123	130	91422	54.057	ug/l	91
45) 1,2-Dichloropropane	7.427	63	91389	52.464	ug/l	99
46) Dibromomethane	7.580	93	70386	52.600	ug/l	98
47) Bromodichloromethane	7.818	83	129022	54.350	ug/l	95
48) Methyl methacrylate	7.696	41	108981	50.670	ug/l	99
49) 1,4-Dioxane	7.671	88	44516	805.596	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	710786	243.501	ug/l	99
52) Toluene	8.714	92	227004	51.617	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	137951	57.422	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	147056	55.739	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	96225	51.848	ug/l	99
56) Ethyl methacrylate	9.116	69	159817	53.285	ug/l	98
57) 1,3-Dichloropropane	9.305	76	159890	52.178	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	362792	245.903	ug/l	98
59) 2-Hexanone	9.433	43	541763	245.453	ug/l	99
60) Dibromochloromethane	9.518	129	99435	57.260	ug/l	99
61) 1,2-Dibromoethane	9.610	107	99405	53.133	ug/l	98
64) Tetrachloroethene	9.275	164	73551	49.296	ug/l	94
65) Chlorobenzene	10.079	112	256218	51.676	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	88746	52.993	ug/l	99
67) Ethyl Benzene	10.195	91	423515	51.347	ug/l	98
68) m/p-Xylenes	10.299	106	329261	105.366	ug/l	98
69) o-Xylene	10.640	106	164266	51.137	ug/l	99
70) Styrene	10.652	104	281883	54.218	ug/l	99
71) Bromoform	10.799	173	65582	58.090	ug/l #	99
73) Isopropylbenzene	10.963	105	408411	49.811	ug/l	100
74) N-amyl acetate	10.841	43	203333	49.234	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	148153	47.168	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	122864m	46.074	ug/l	
77) Bromobenzene	11.195	156	106088	50.684	ug/l	100
78) n-propylbenzene	11.305	91	457180	52.320	ug/l	99
79) 2-Chlorotoluene	11.366	91	288711	49.242	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	348498	51.192	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	47974	54.897	ug/l	95
82) 4-Chlorotoluene	11.451	91	331765	51.131	ug/l	97
83) tert-Butylbenzene	11.713	119	348856	50.250	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	355522	51.061	ug/l	100
85) sec-Butylbenzene	11.890	105	417787	51.960	ug/l	100
86) p-Isopropyltoluene	12.006	119	358049	53.750	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	188818	50.274	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	189658	50.095	ug/l	100
89) n-Butylbenzene	12.329	91	299842	55.523	ug/l	100
90) Hexachloroethane	12.536	117	59554	55.265	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	198010	51.130	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	32185	48.159	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	123940	54.653	ug/l	99
94) Hexachlorobutadiene	13.725	225	42766	53.286	ug/l	97
95) Naphthalene	13.774	128	473262	50.857	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	126296	53.229	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

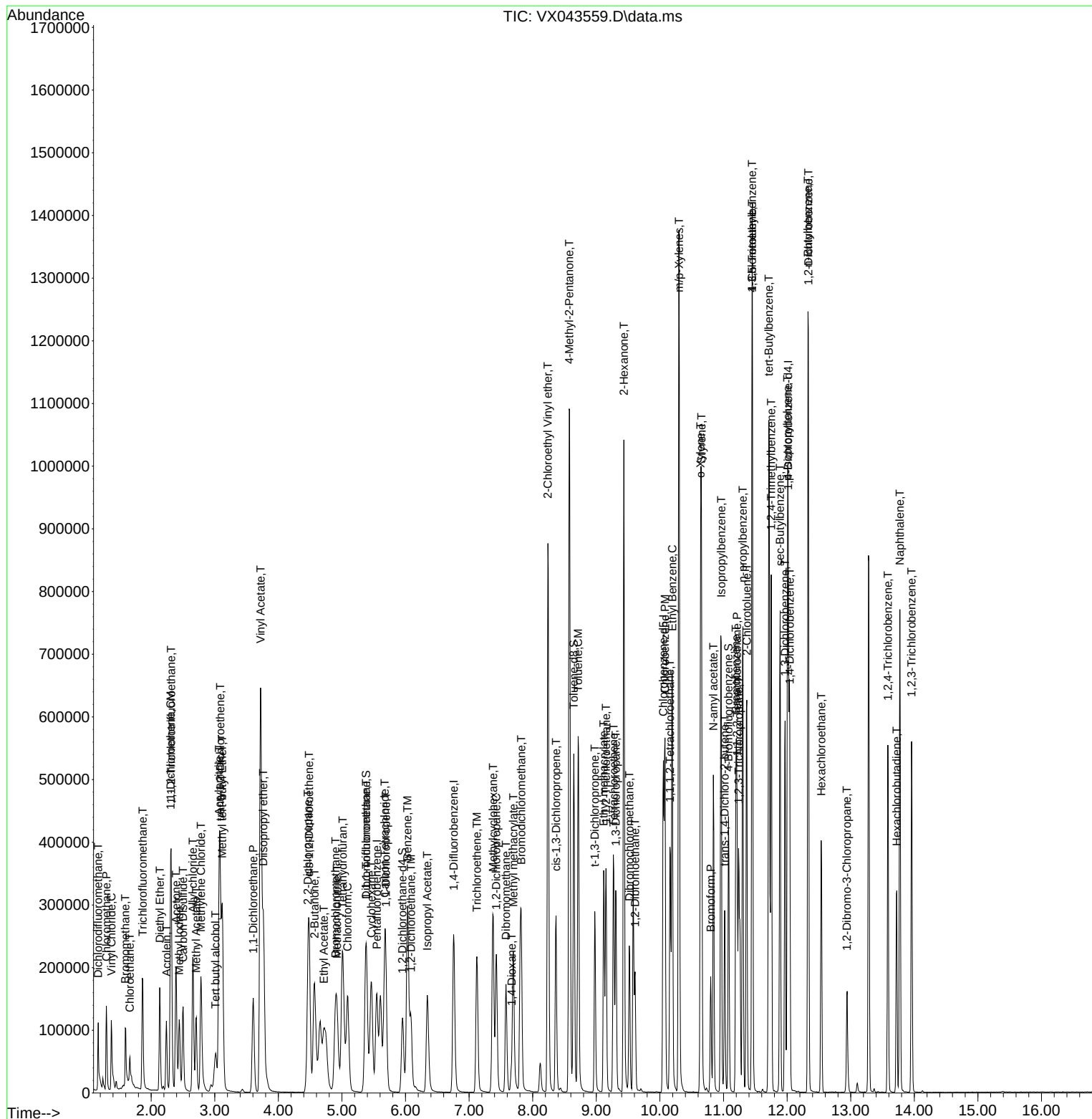

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\  
Data File : VX043559.D  
Acq On    : 28 Oct 2024 12:08  
Operator  : JC/MD  
Sample    : VSTDICCC050  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 1 Sample Multiplier: 1
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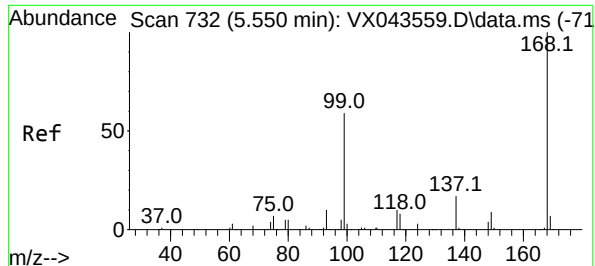
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration





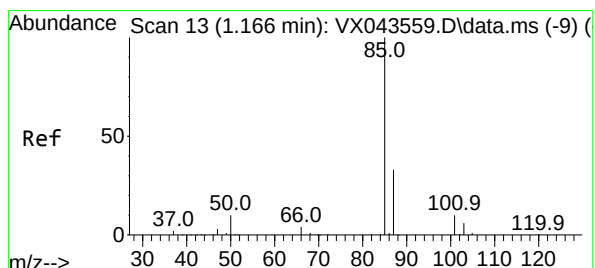
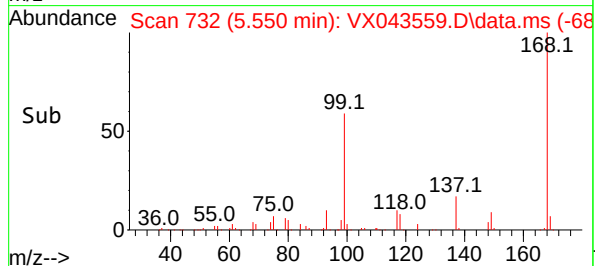
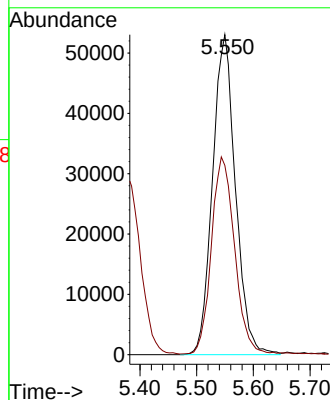
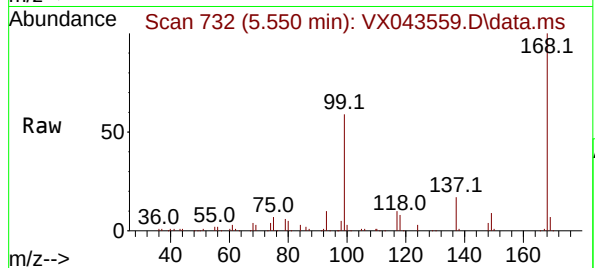
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 148919
Ion Ratio Lower Upper
168 100
99 58.9 52.6 78.8

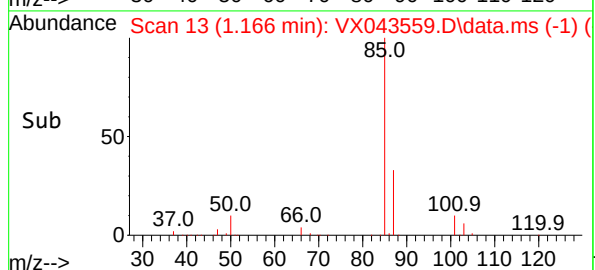
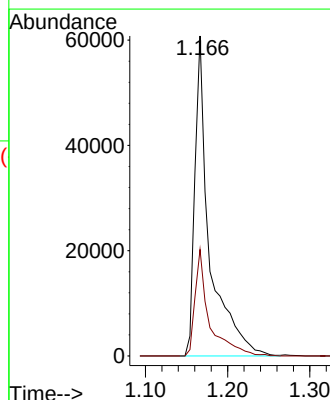
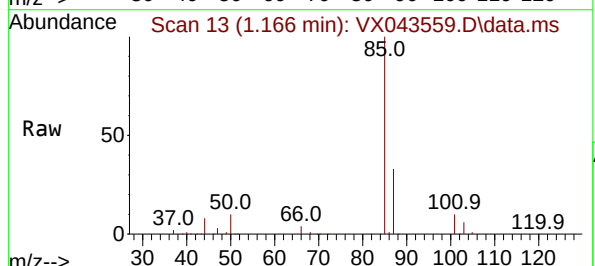
Manual Integrations
APPROVED

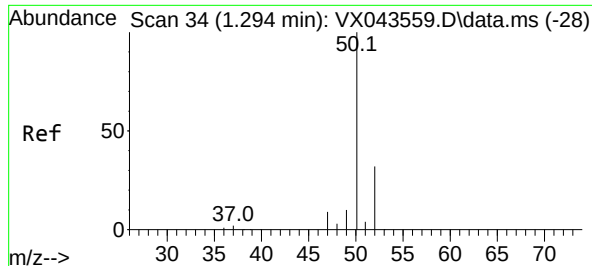
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#2
Dichlorodifluoromethane
Concen: 45.433 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 85 Resp: 75417
Ion Ratio Lower Upper
85 100
87 33.3 15.7 47.0





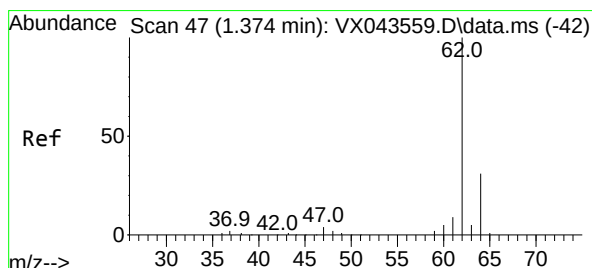
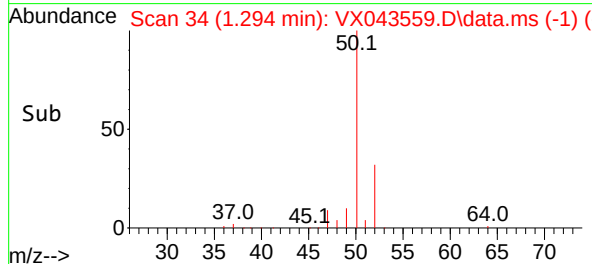
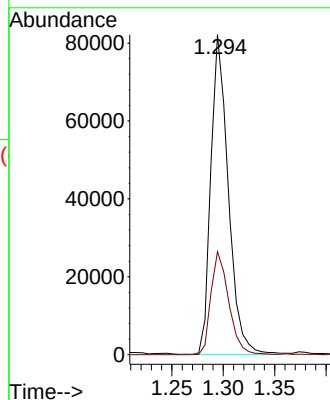
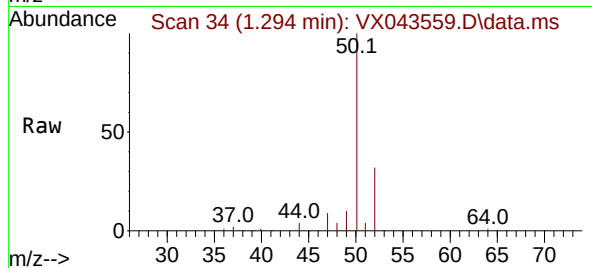
#3
Chloromethane
Concen: 45.755 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 96890
Ion Ratio Lower Upper
50 100
52 32.2 26.3 39.5

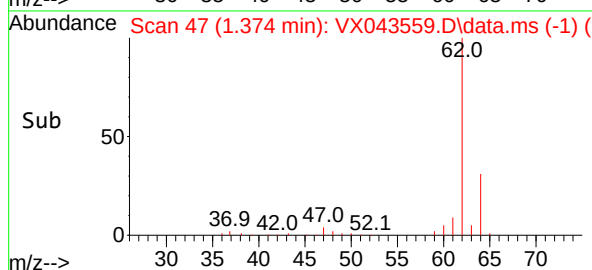
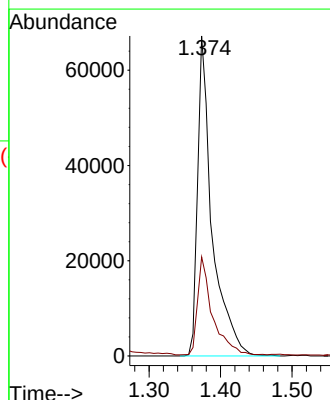
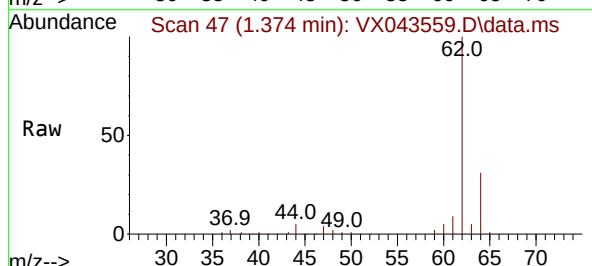
Manual Integrations
APPROVED

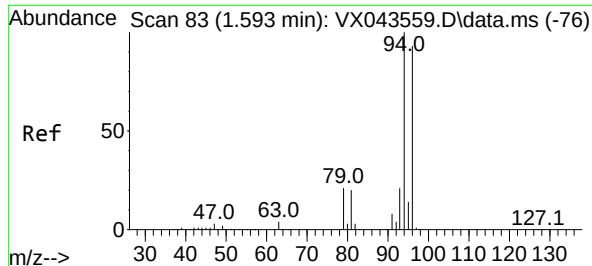
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#4
Vinyl Chloride
Concen: 48.982 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 62 Resp: 94488
Ion Ratio Lower Upper
62 100
64 30.6 25.0 37.4





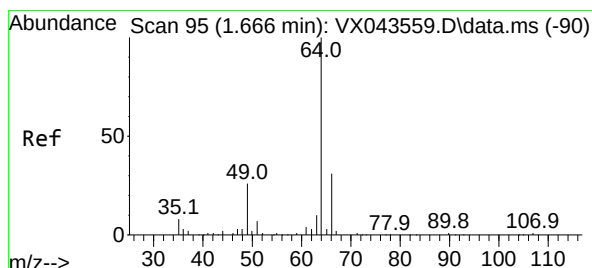
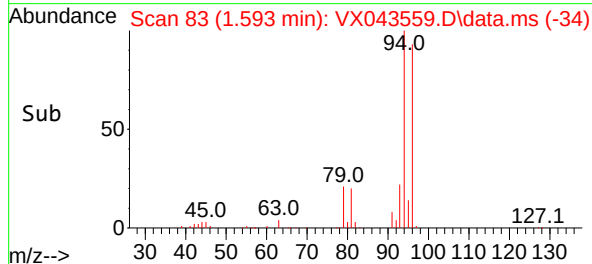
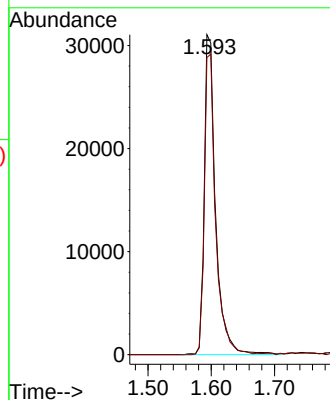
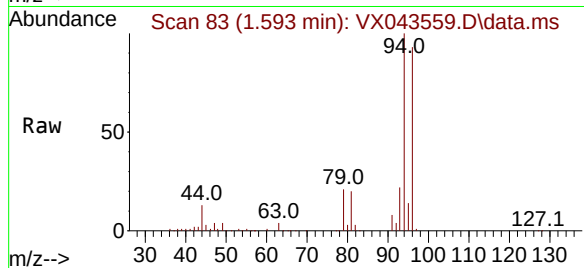
#5
Bromomethane
Concen: 51.722 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 38969
Ion Ratio Lower Upper
94 100
96 92.8 75.9 113.9

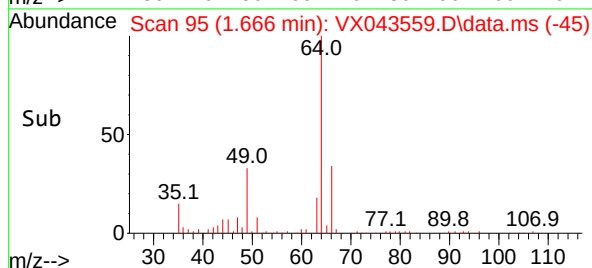
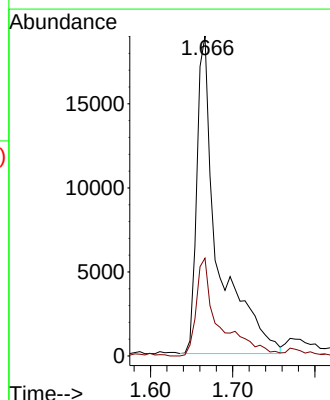
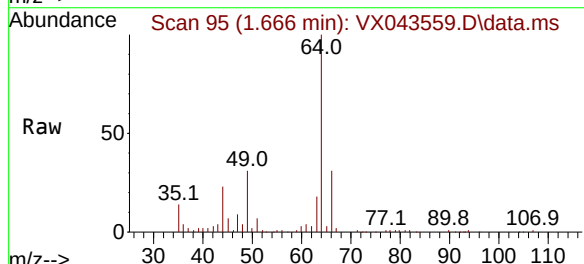
Manual Integrations
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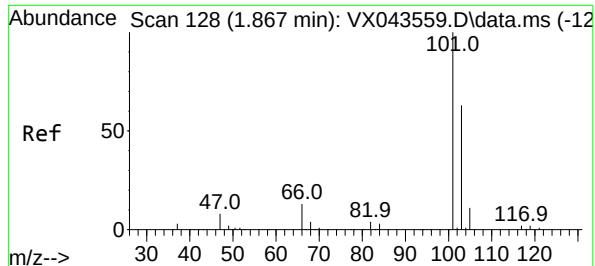
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#6
Chloroethane
Concen: 53.137 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 64 Resp: 33540
Ion Ratio Lower Upper
64 100
66 30.8 25.1 37.7





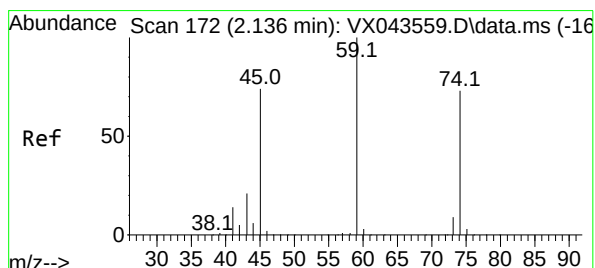
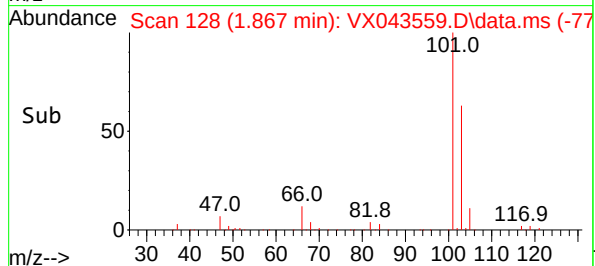
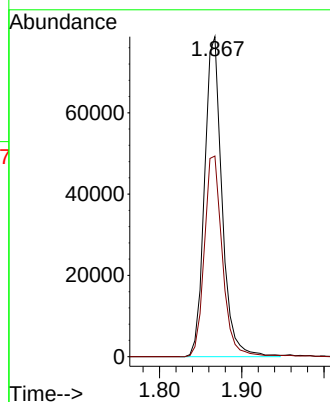
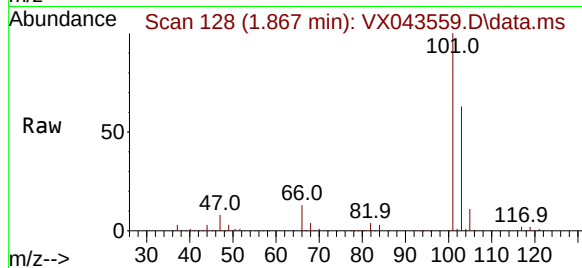
#7
Trichlorofluoromethane
Concen: 45.825 ug/l
RT: 1.867 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 11601
Ion Ratio Lower Upper
101 100
103 62.7 51.3 76.9

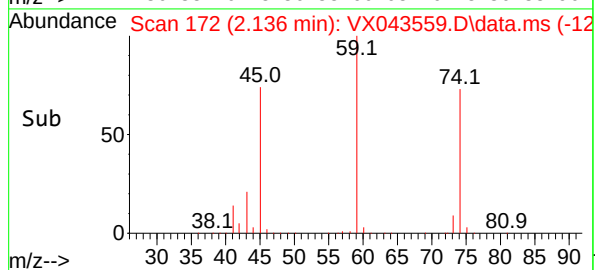
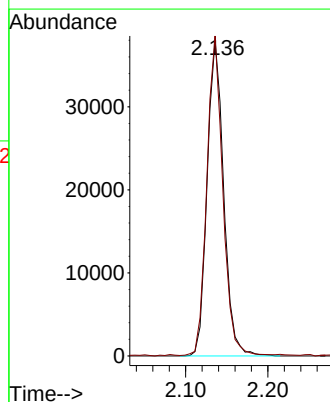
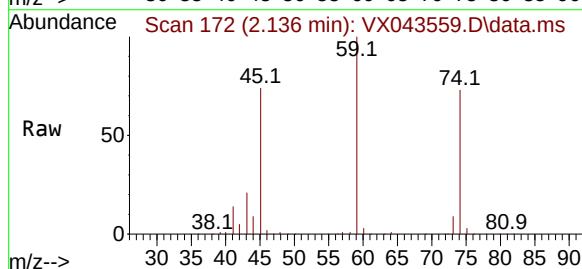
Manual Integrations
APPROVED

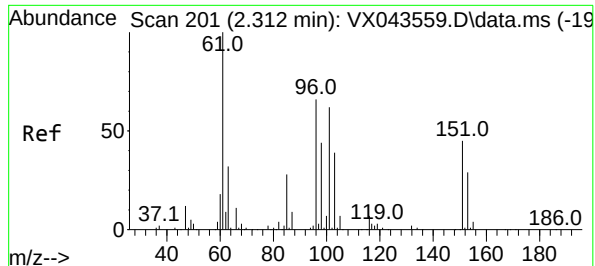
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#8
Diethyl Ether
Concen: 47.871 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 74 Resp: 52937
Ion Ratio Lower Upper
74 100
45 98.1 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.932 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

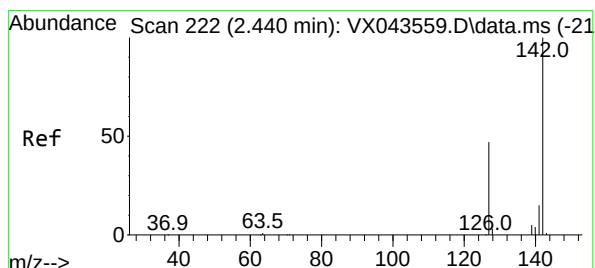
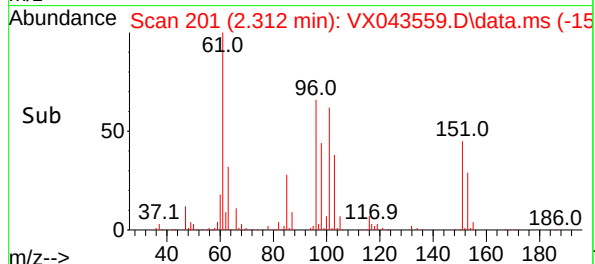
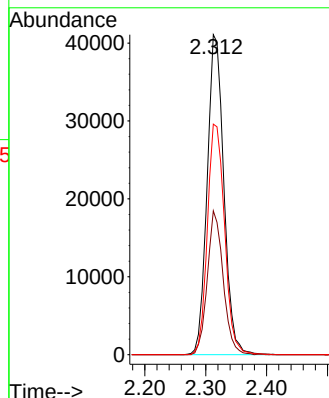
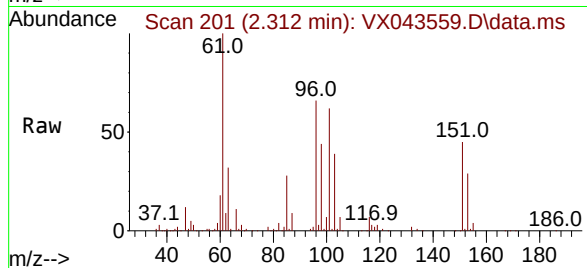
VSTDICCC050

Tgt Ion:	101	Resp:	7819
Ion	Ratio	Lower	Upper
101	100		
85	42.8	34.5	51.7
151	74.2	58.2	87.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#10

Methyl Iodide

Concen: 52.655 ug/l

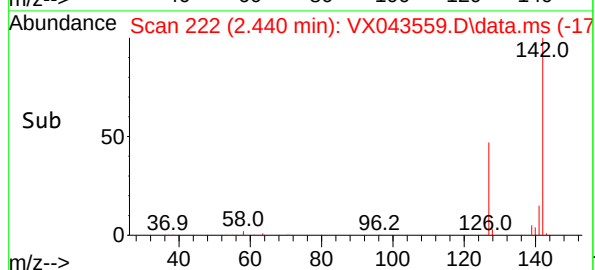
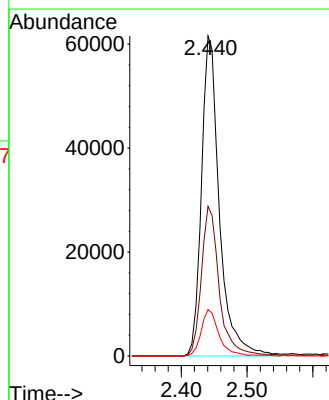
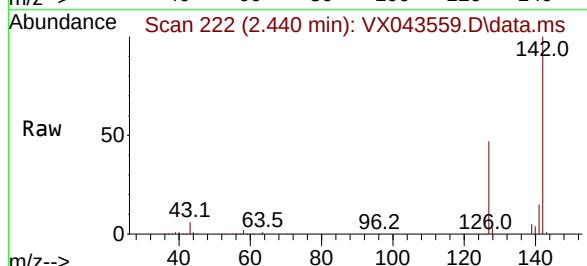
RT: 2.440 min Scan# 222

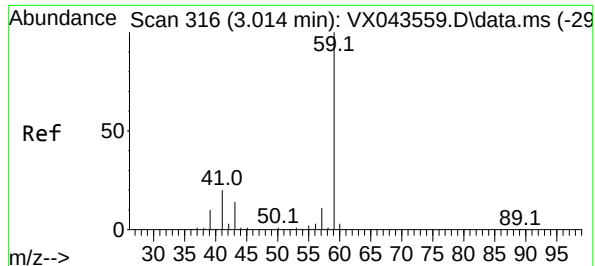
Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

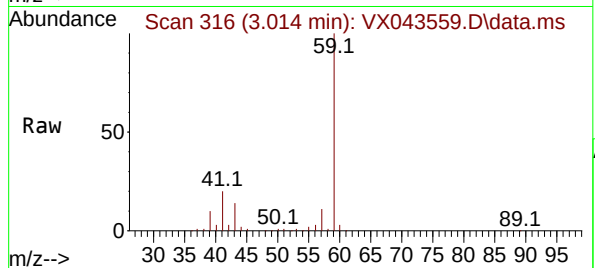
Tgt Ion:	142	Resp:	116521
Ion	Ratio	Lower	Upper
142	100		
127	46.8	38.2	57.4
141	14.5	11.5	17.3





#11
Tert butyl alcohol
Concen: 230.069 ug/l m
RT: 3.014 min Scan# 316
Delta R.T. -0.037 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

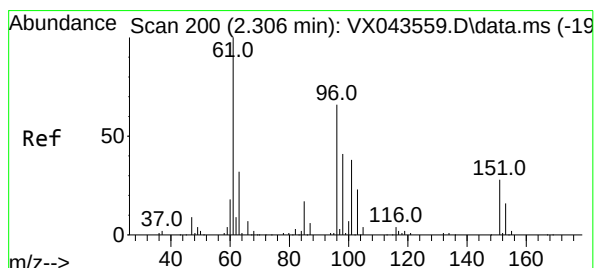
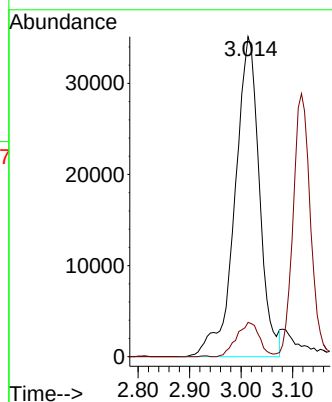
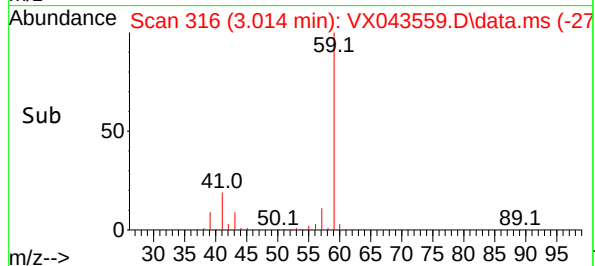
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 59 Resp: 11608
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

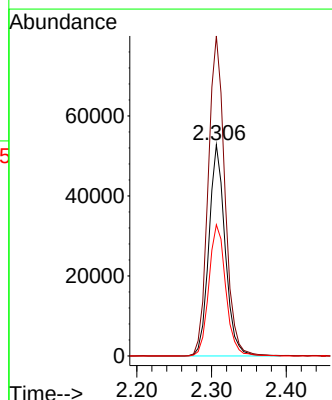
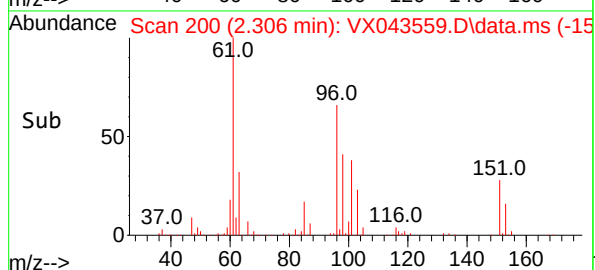
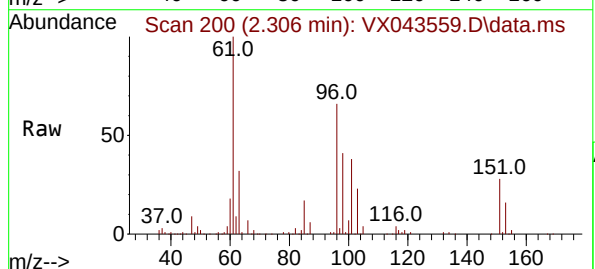
Manual Integrations
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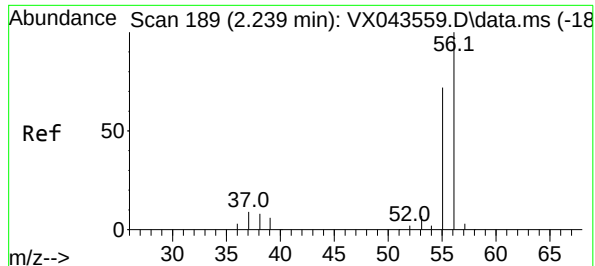
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#12
1,1-Dichloroethene
Concen: 50.765 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 96 Resp: 79758
Ion Ratio Lower Upper
96 100
61 151.5 130.2 195.4
98 62.1 51.0 76.6





#13

Acrolein

Concen: 203.631 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 80960

Ion Ratio Lower Upper

56 100

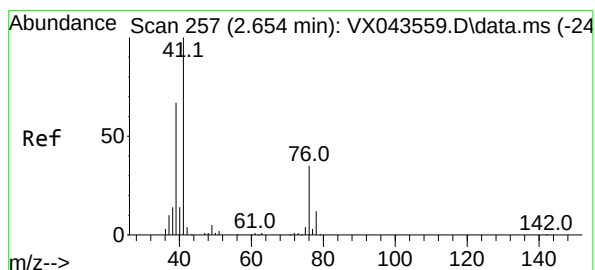
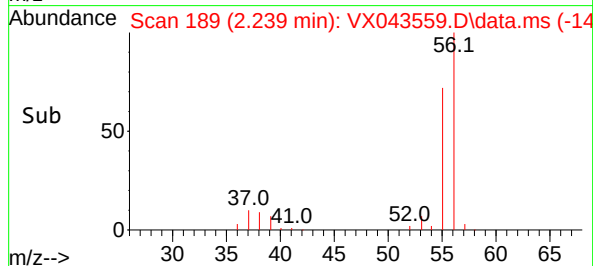
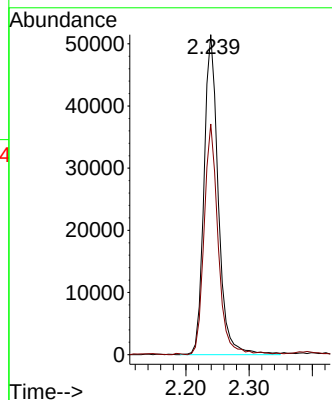
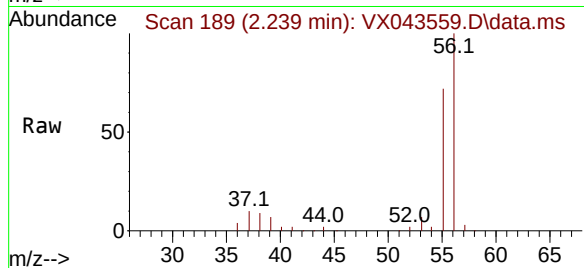
55 70.5 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#14

Allyl chloride

Concen: 50.925 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

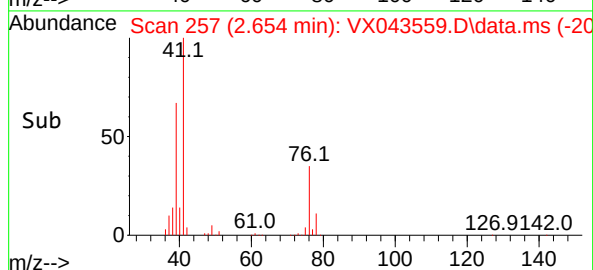
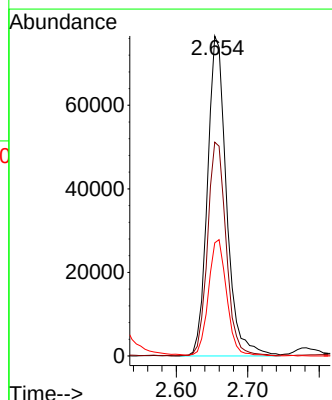
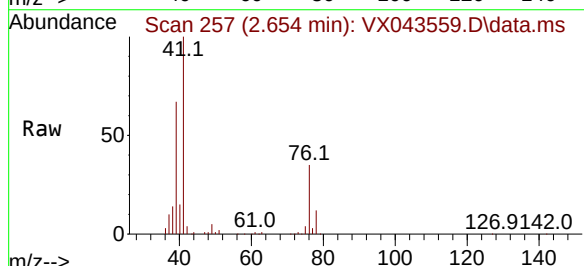
Tgt Ion: 41 Resp: 141976

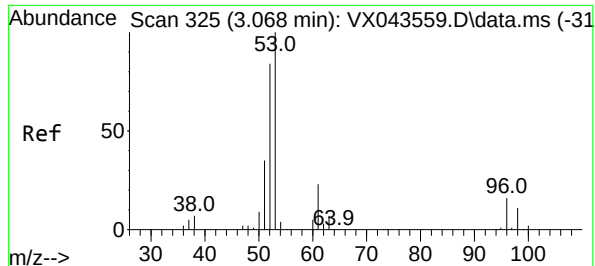
Ion Ratio Lower Upper

41 100

39 65.3 53.2 79.8

76 34.9 27.0 40.6





#15

Acrylonitrile

Concen: 232.022 ug/l

RT: 3.068 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

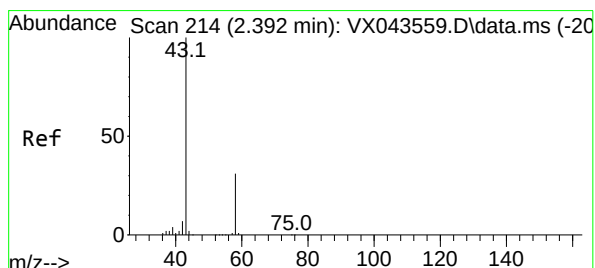
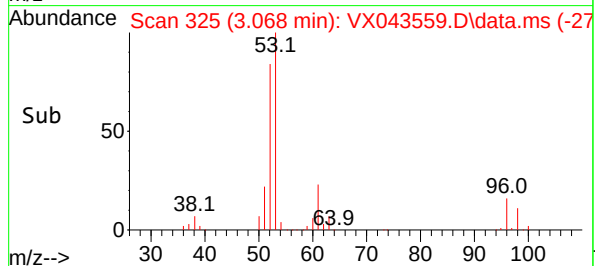
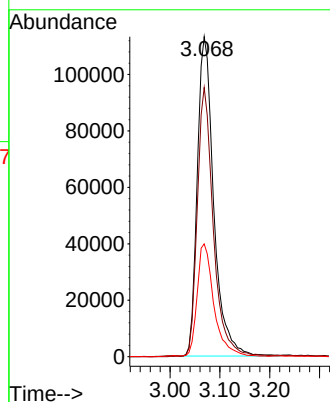
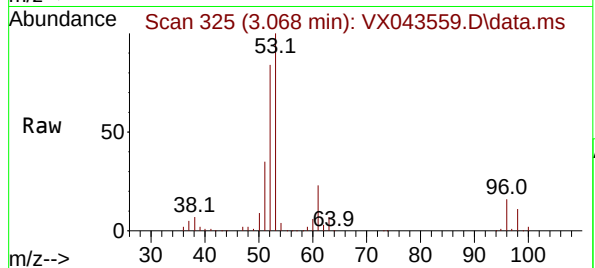
VSTDICCC050

Tgt Ion:	53	Resp:	25932
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.6
51	35.9	28.5	42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#16

Acetone

Concen: 230.659 ug/l

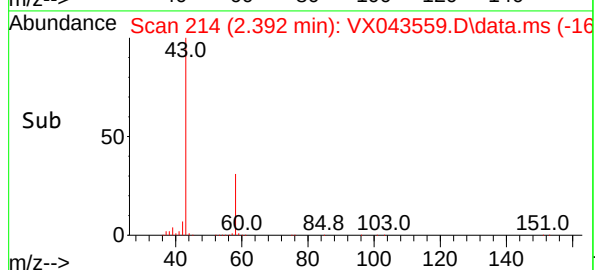
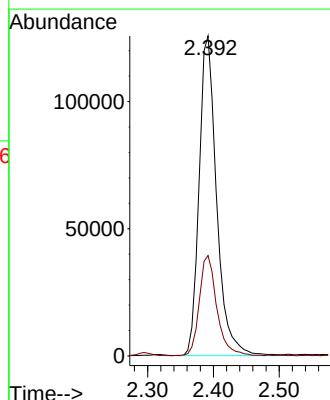
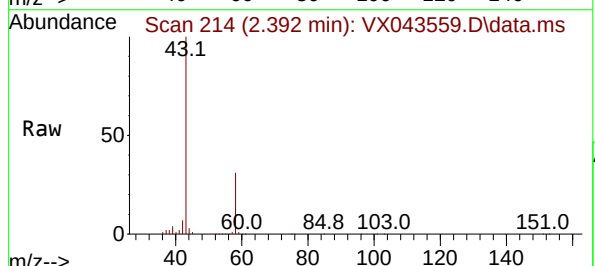
RT: 2.392 min Scan# 214

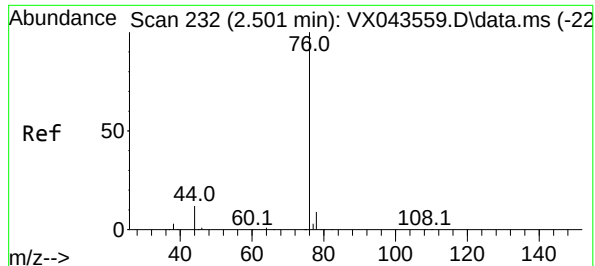
Delta R.T. -0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Tgt Ion:	43	Resp:	232587
Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.1	37.7





#17

Carbon Disulfide

Concen: 51.908 ug/l

RT: 2.501 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Tgt Ion: 76 Resp: 16880

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

Instrument :

MSVOA_X

ClientSampleId :

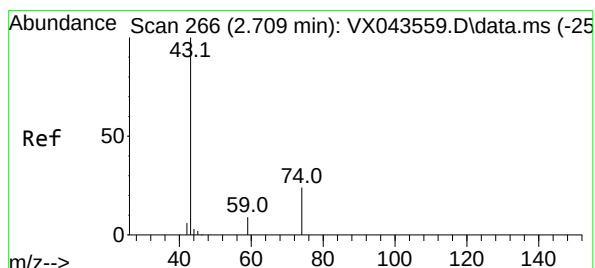
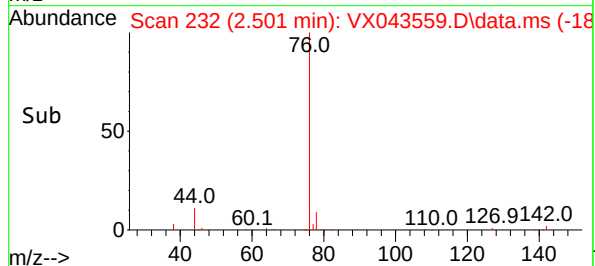
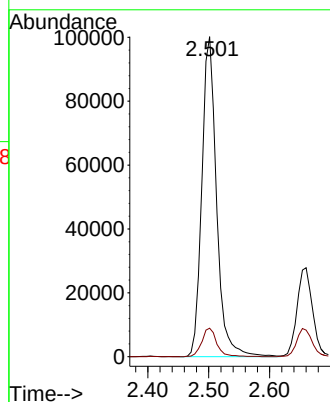
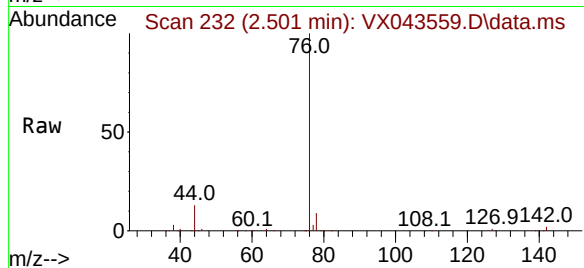
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#18

Methyl Acetate

Concen: 45.505 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX043559.D

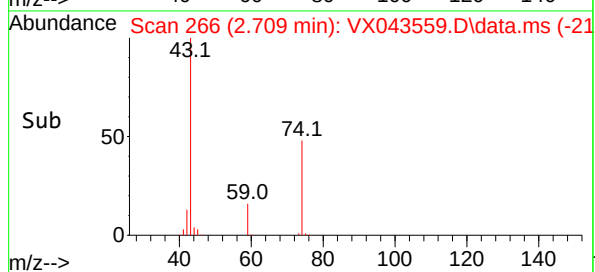
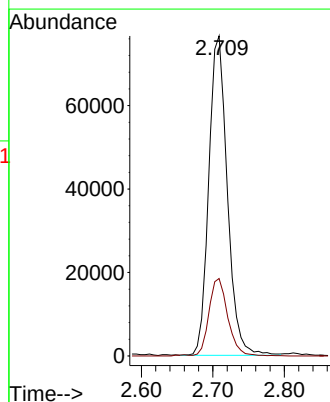
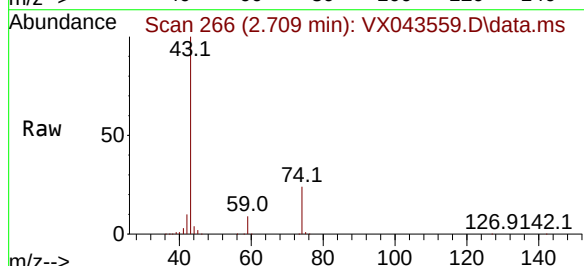
Acq: 28 Oct 2024 12:08

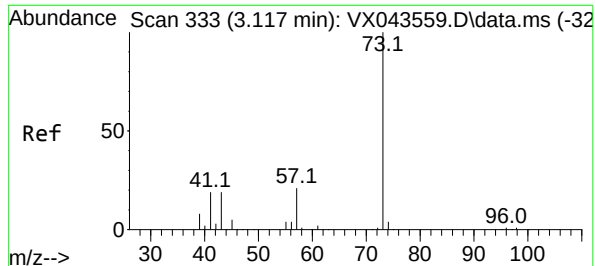
Tgt Ion: 43 Resp: 137905

Ion Ratio Lower Upper

43 100

74 24.2 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 50.673 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 30976

Ion Ratio Lower Upper

73 100

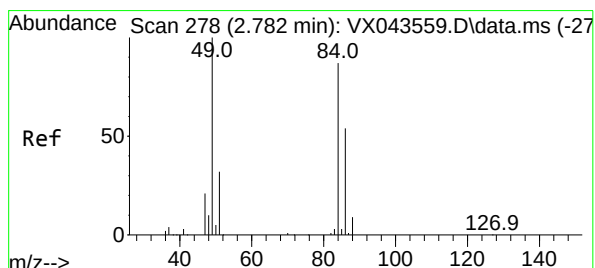
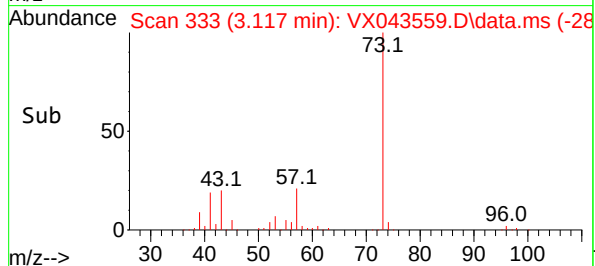
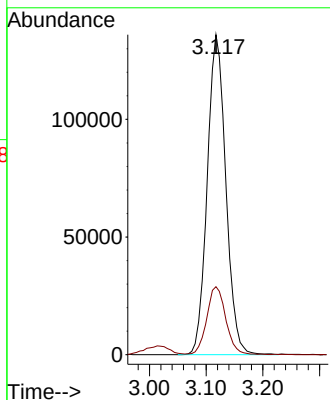
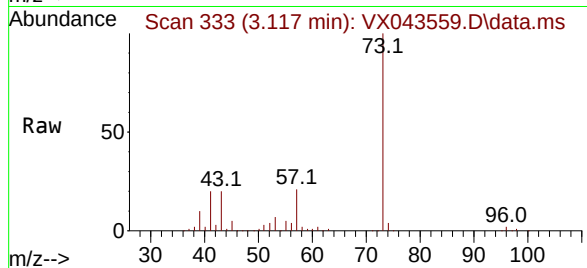
57 21.2 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#20

Methylene Chloride

Concen: 50.086 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Tgt Ion: 84 Resp: 98700

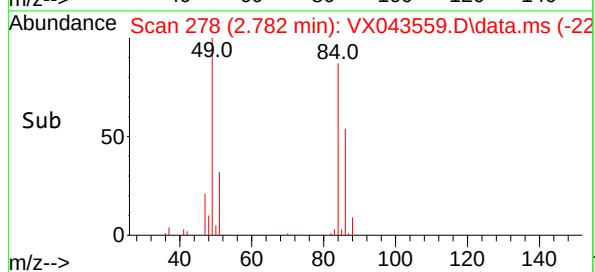
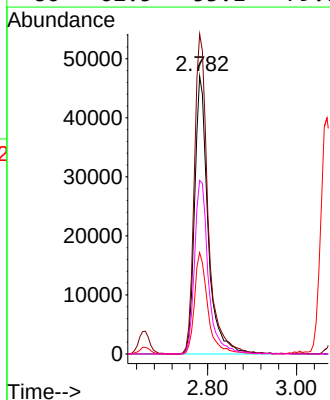
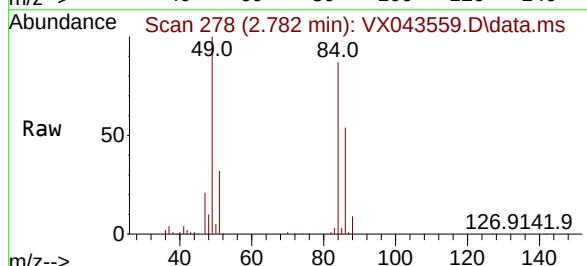
Ion Ratio Lower Upper

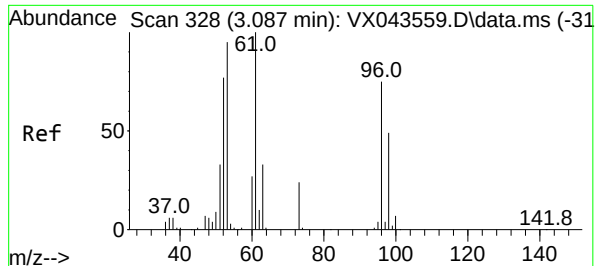
84 100

49 115.2 97.0 145.6

51 36.5 29.8 44.8

86 62.5 53.1 79.7





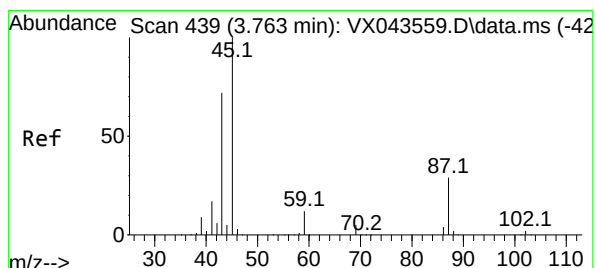
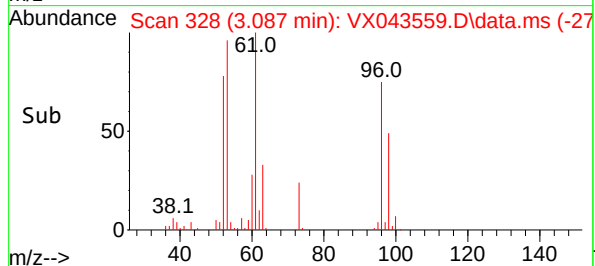
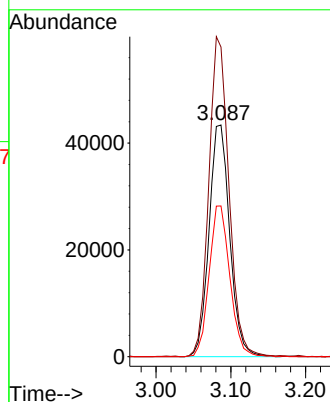
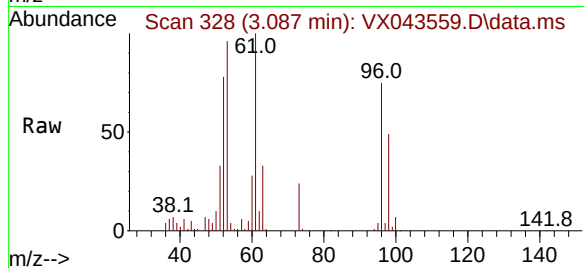
#21
trans-1,2-Dichloroethene
Concen: 49.229 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 83735
Ion Ratio Lower Upper
96 100
61 133.6 107.1 160.7
98 65.0 47.7 71.5

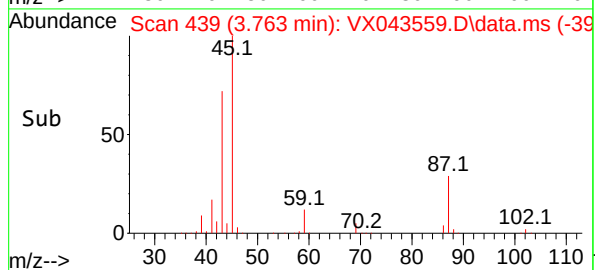
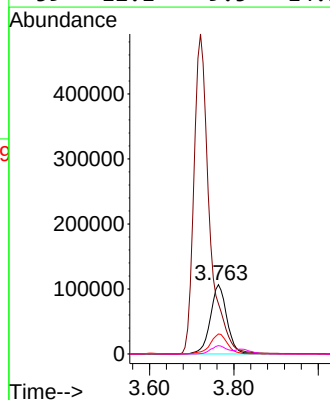
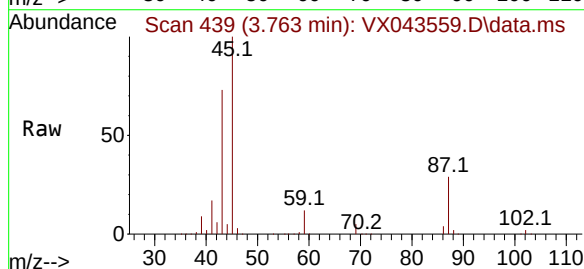
Manual Integrations
APPROVED

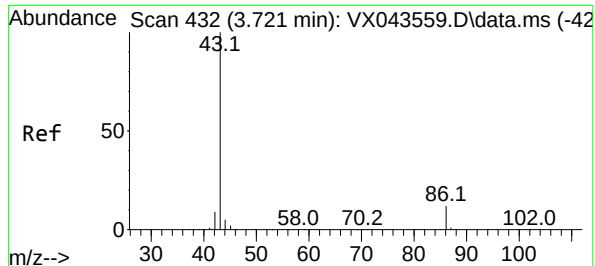
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#22
Diisopropyl ether
Concen: 50.487 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 45 Resp: 290506
Ion Ratio Lower Upper
45 100
43 72.4 60.6 90.8
87 28.9 22.0 33.0
59 12.1 9.5 14.3





#23

Vinyl Acetate

Concen: 264.336 ug/l

RT: 3.721 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 125655

Ion Ratio Lower Upper

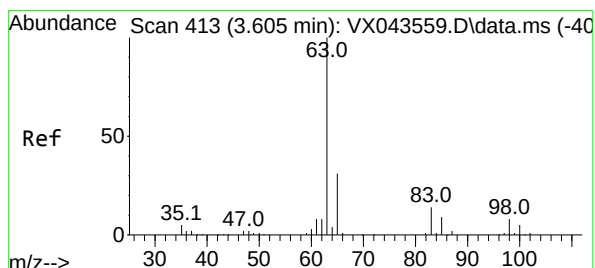
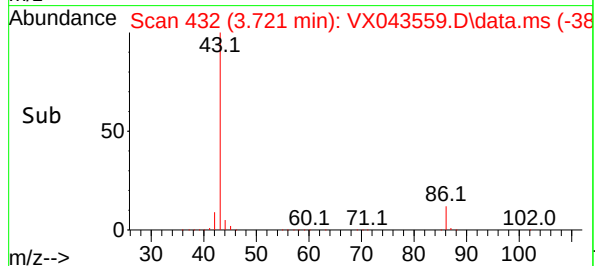
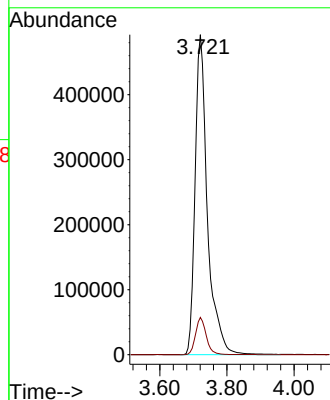
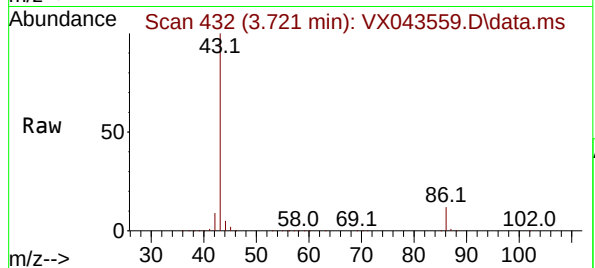
43 100

86 11.7 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#24

1,1-Dichloroethane

Concen: 50.903 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

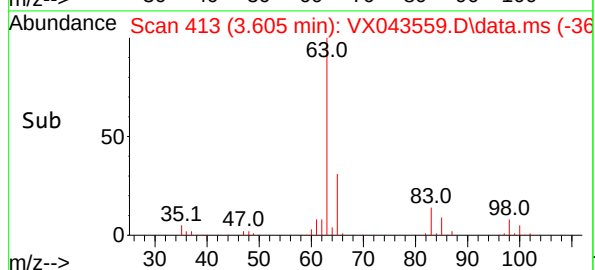
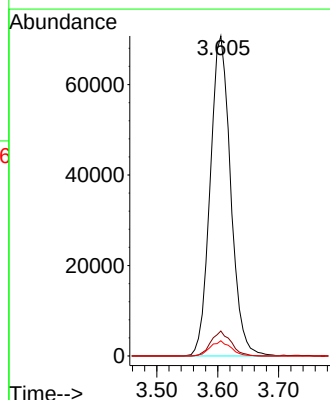
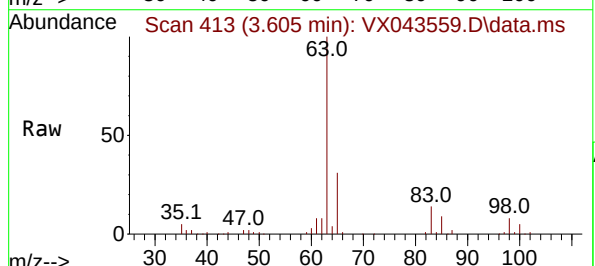
Tgt Ion: 63 Resp: 165218

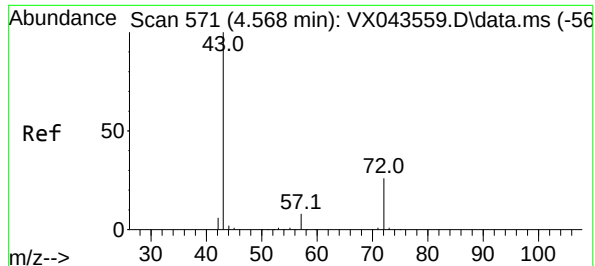
Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 234.753 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 359520

Ion Ratio Lower Upper

43 100

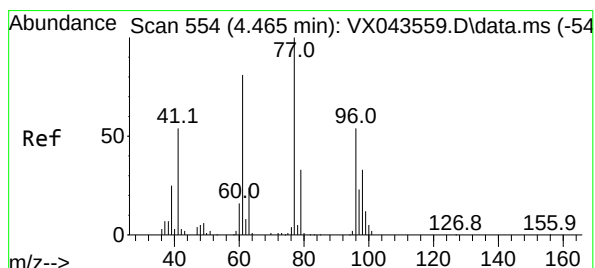
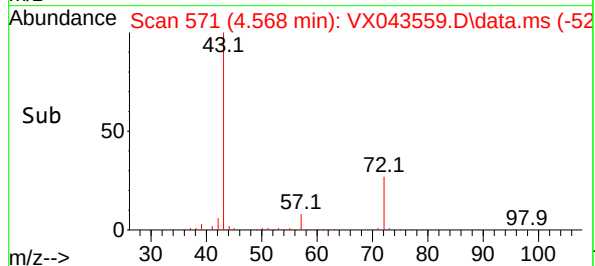
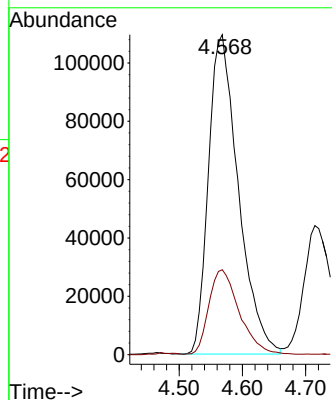
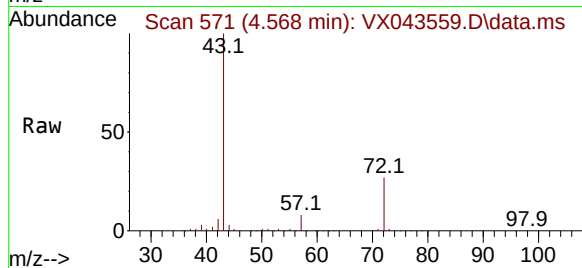
72 26.4 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#26

2,2-Dichloropropane

Concen: 56.613 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX043559.D

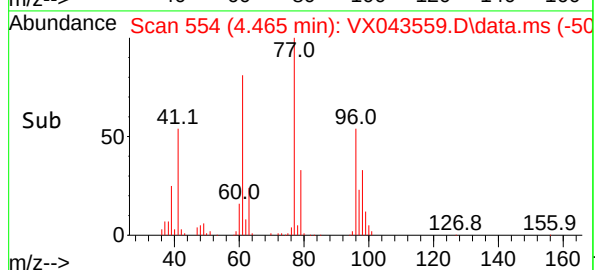
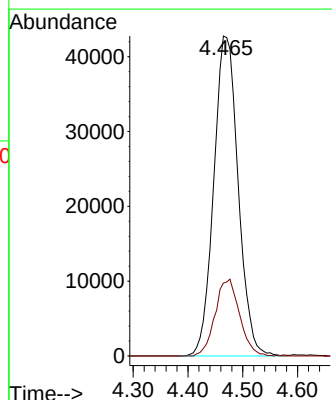
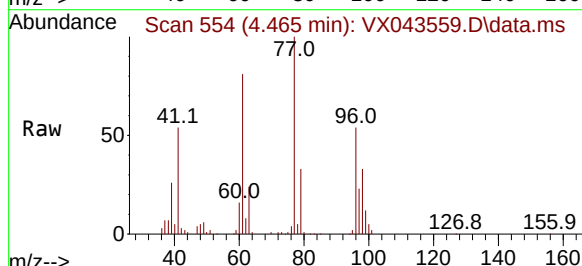
Acq: 28 Oct 2024 12:08

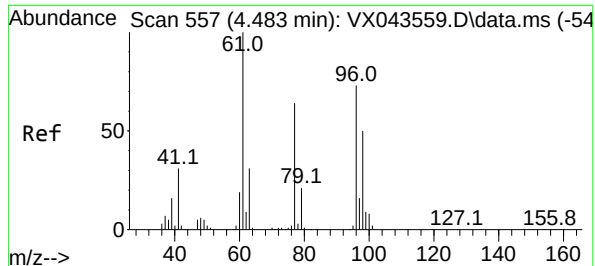
Tgt Ion: 77 Resp: 132434

Ion Ratio Lower Upper

77 100

97 24.0 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 51.979 ug/l

RT: 4.483 min Scan# 511

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

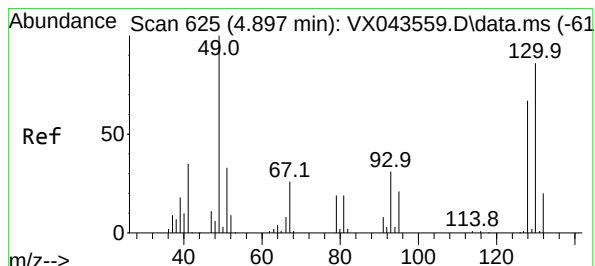
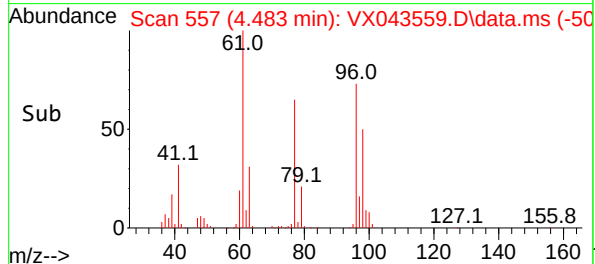
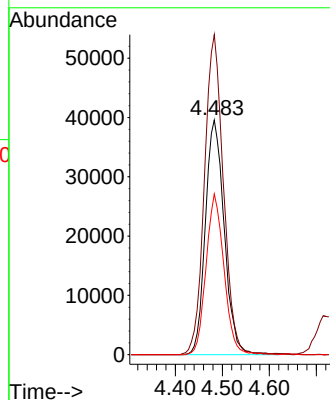
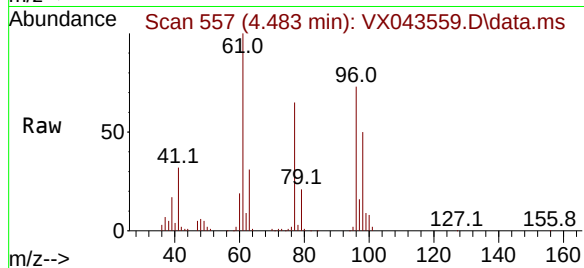
VSTDICCC050

Tgt Ion:	96	Resp:	110158
Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	277.2
98	65.0	0.0	131.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#28

Bromochloromethane

Concen: 47.042 ug/l

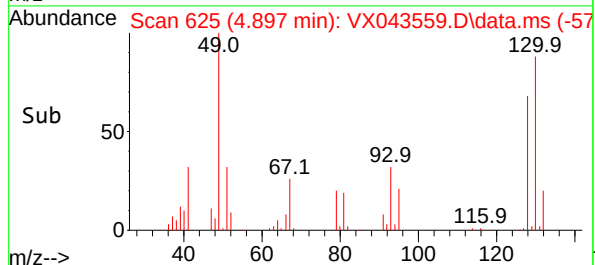
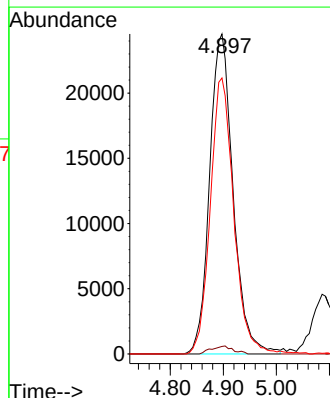
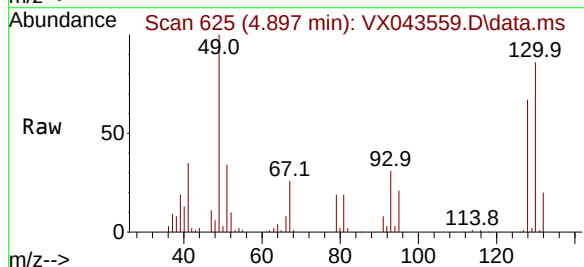
RT: 4.897 min Scan# 625

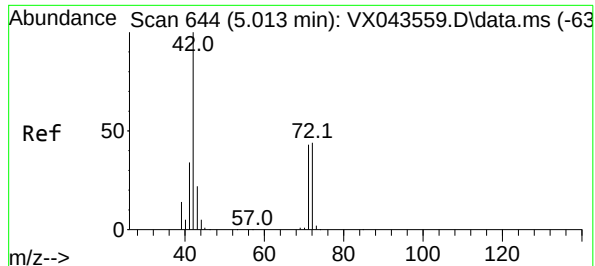
Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Tgt Ion:	49	Resp:	75534
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	86.3	67.8	101.8





#29

Tetrahydrofuran

Concen: 230.617 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 230610

Ion Ratio Lower Upper

42 100

72 46.3 36.6 55.0

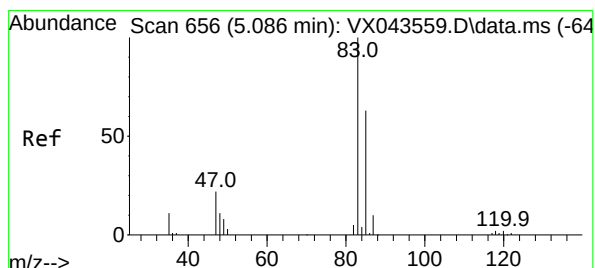
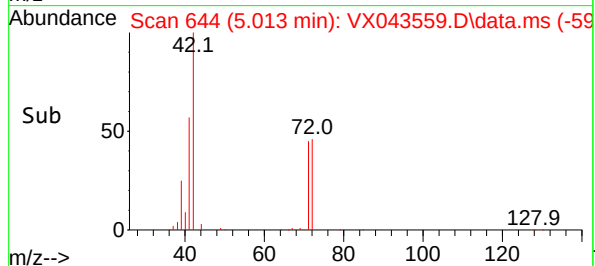
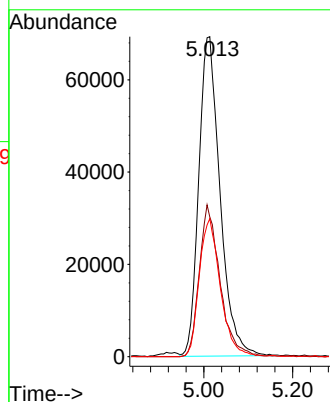
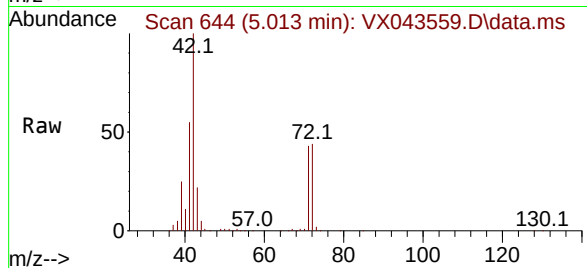
71 42.9 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#30

Chloroform

Concen: 49.905 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX043559.D

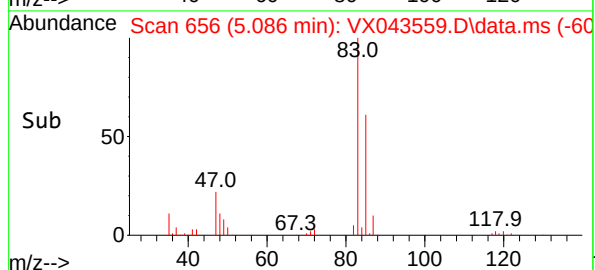
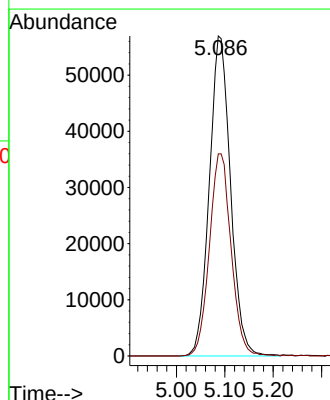
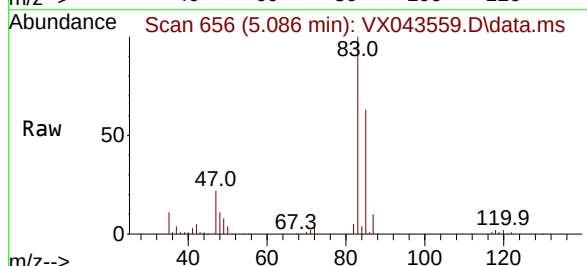
Acq: 28 Oct 2024 12:08

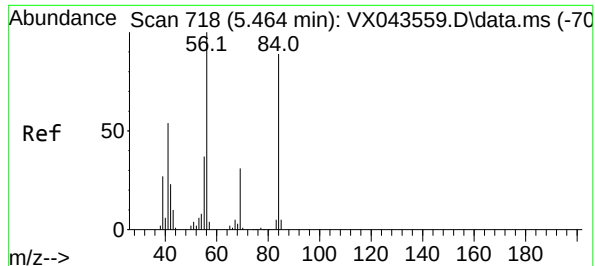
Tgt Ion: 83 Resp: 173217

Ion Ratio Lower Upper

83 100

85 63.2 52.2 78.4





#31

Cyclohexane

Concen: 48.500 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 124890

Ion Ratio Lower Upper

56 100

69 30.6 24.9 37.3

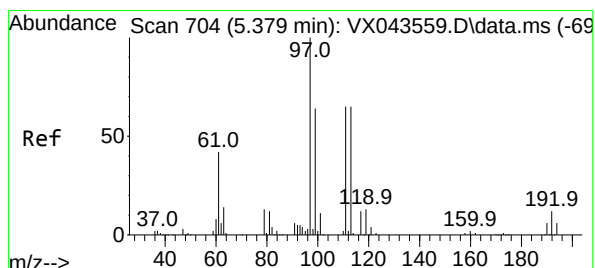
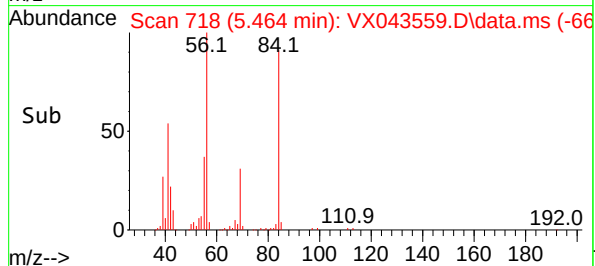
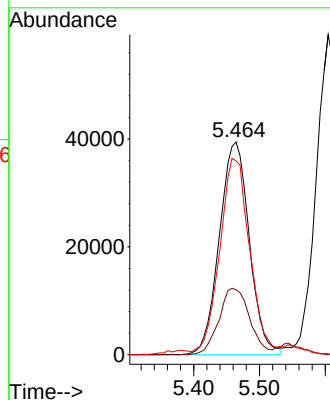
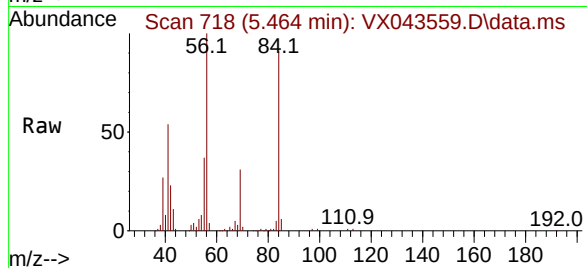
84 89.0 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#32

1,1,1-Trichloroethane

Concen: 50.355 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

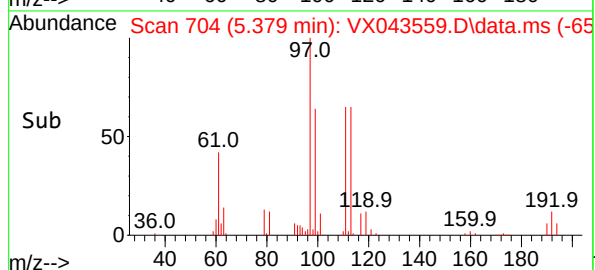
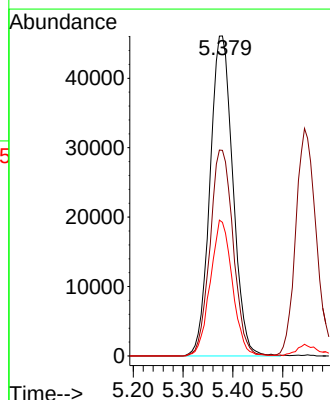
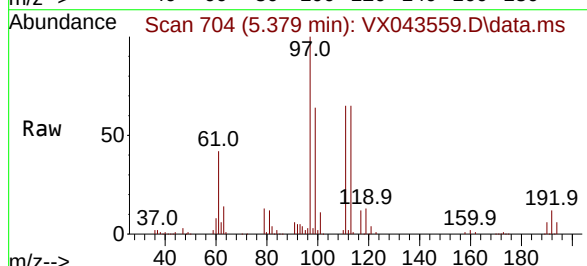
Tgt Ion: 97 Resp: 146876

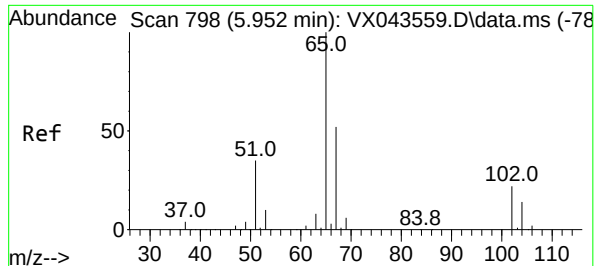
Ion Ratio Lower Upper

97 100

99 65.3 51.4 77.0

61 41.1 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 49.466 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 116854

Ion Ratio Lower Upper

65 100

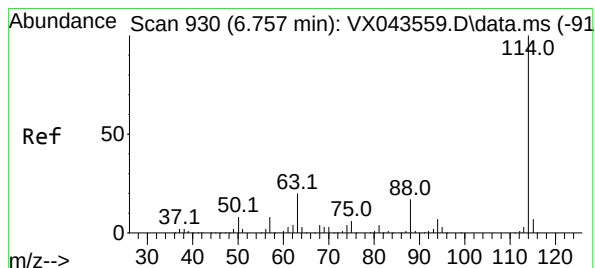
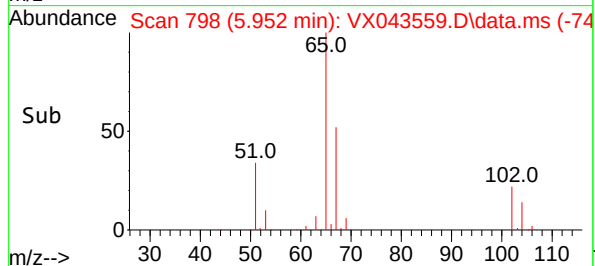
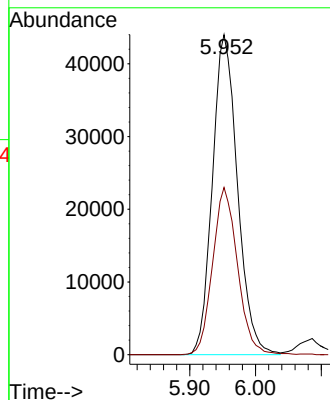
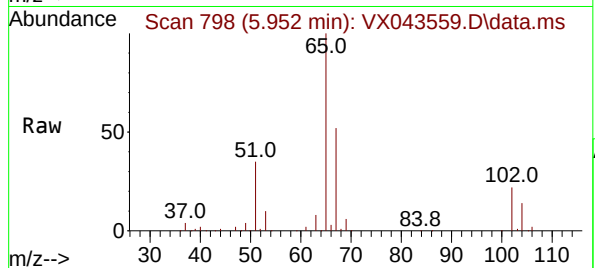
67 51.9 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

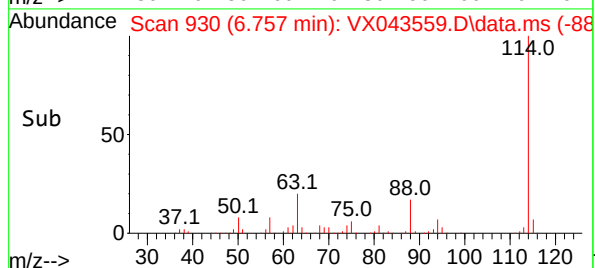
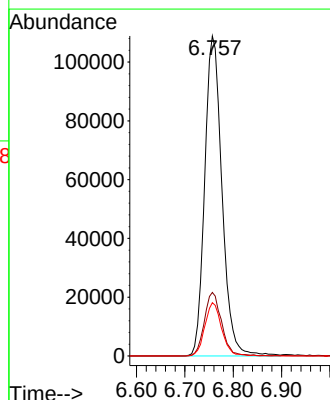
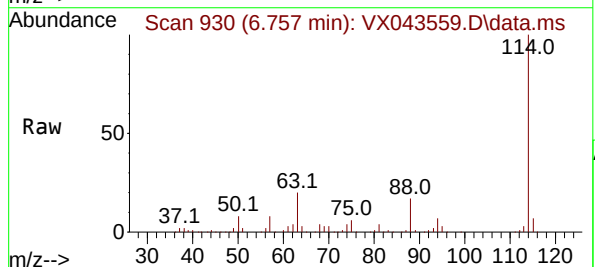
Tgt Ion:114 Resp: 270771

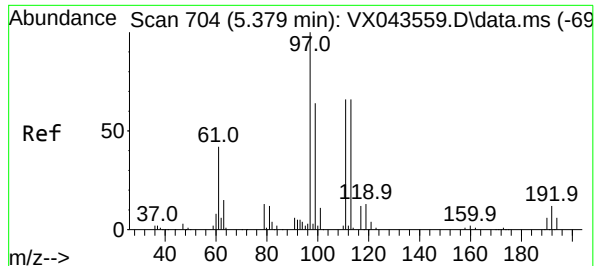
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.2

88 16.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.516 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

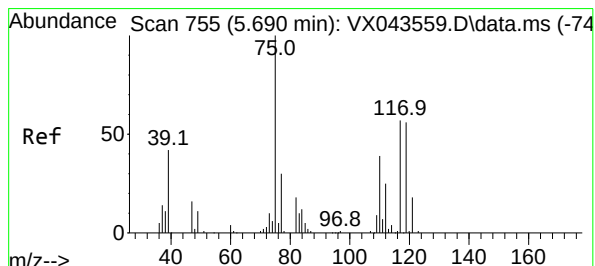
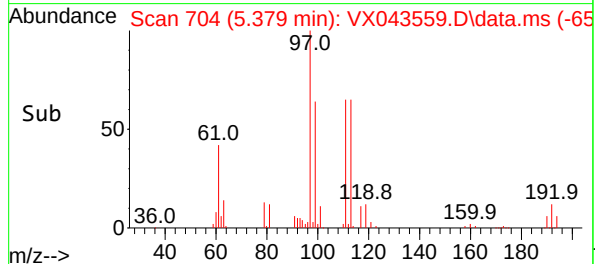
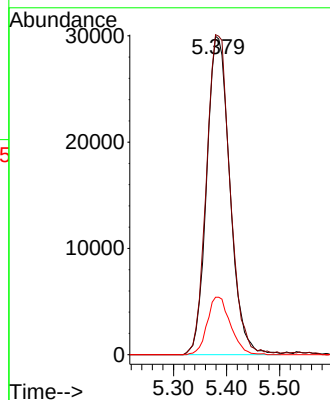
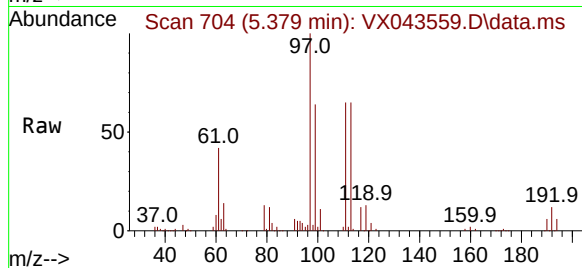
VSTDICCC050

Tgt Ion:	113	Resp:	91079
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.0
192	18.0	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#36

1,1-Dichloropropene

Concen: 49.233 ug/l

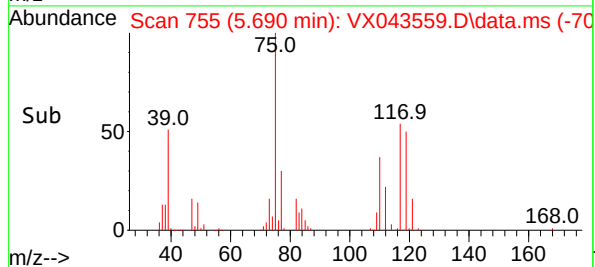
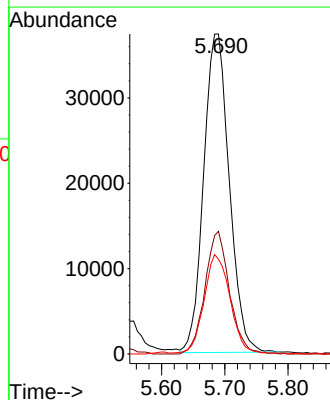
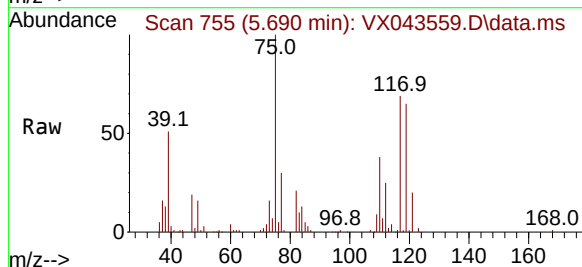
RT: 5.690 min Scan# 755

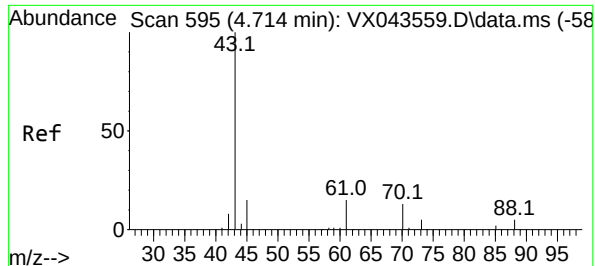
Delta R.T. 0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Tgt Ion:	75	Resp:	105059
Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.9	53.7
77	31.9	25.0	37.4





#37

Ethyl Acetate

Concen: 47.008 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

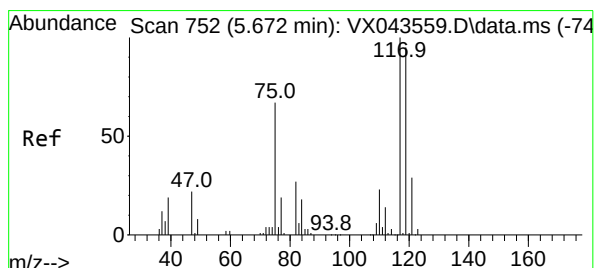
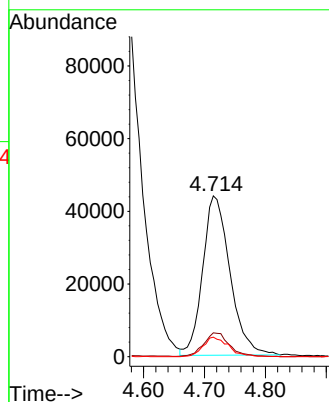
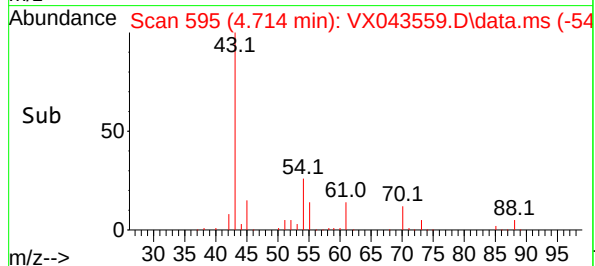
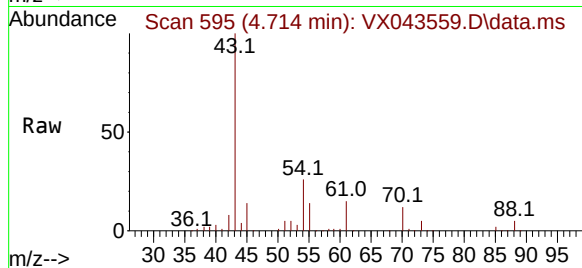
VSTDICCC050

Tgt Ion:	43	Resp:	13690
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	11.5	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#38

Carbon Tetrachloride

Concen: 49.620 ug/l

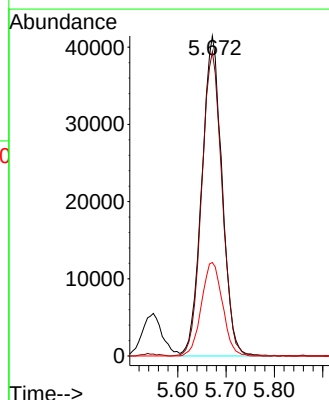
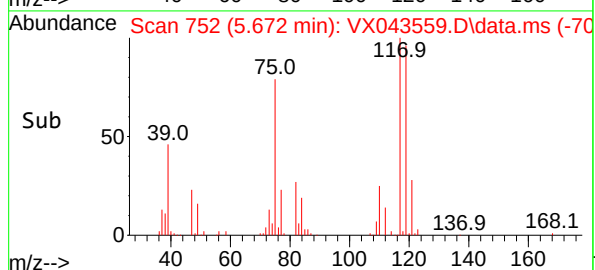
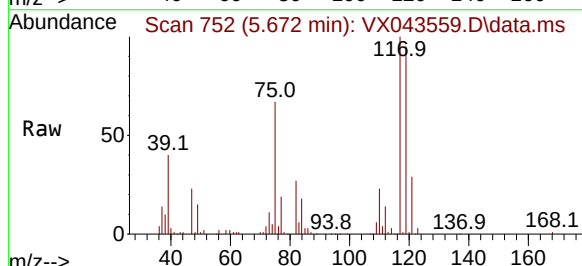
RT: 5.672 min Scan# 752

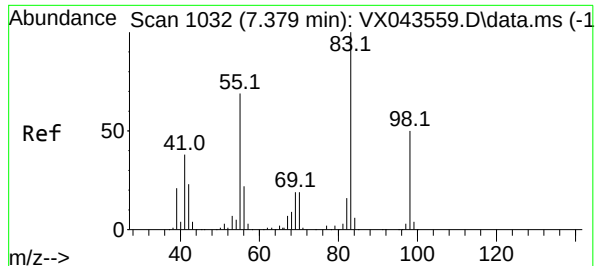
Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Tgt Ion:	117	Resp:	120318
Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.0	115.6
121	29.2	24.7	37.1





#39

Methylcyclohexane

Concen: 50.451 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 138062

Ion Ratio Lower Upper

83 100

55 69.2 59.9 89.9

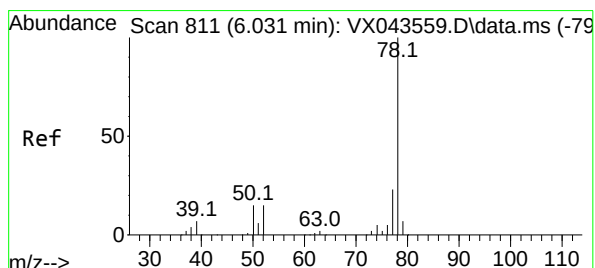
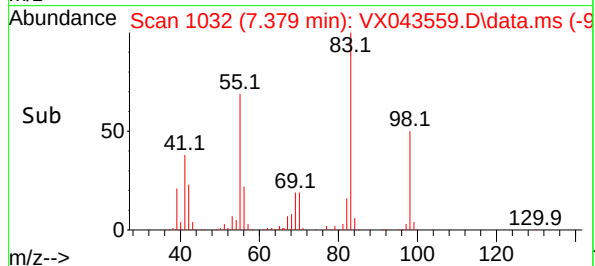
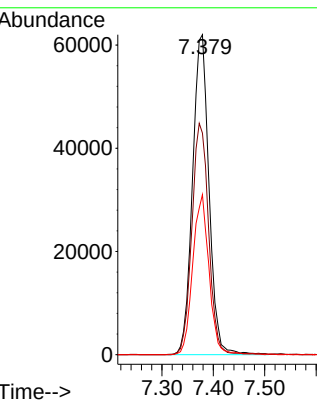
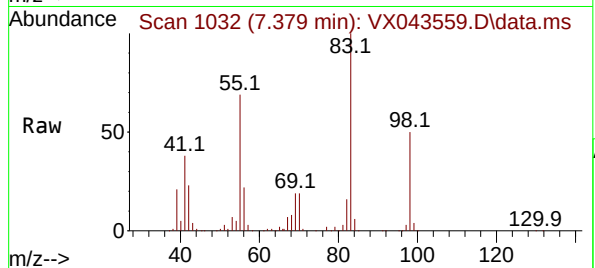
98 50.0 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#40

Benzene

Concen: 51.436 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043559.D

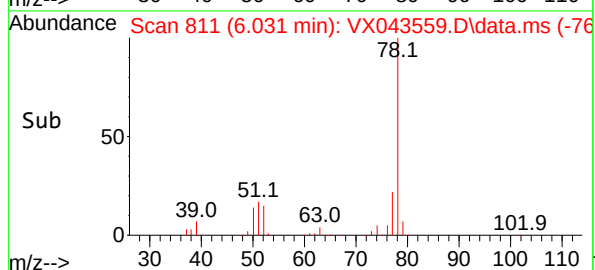
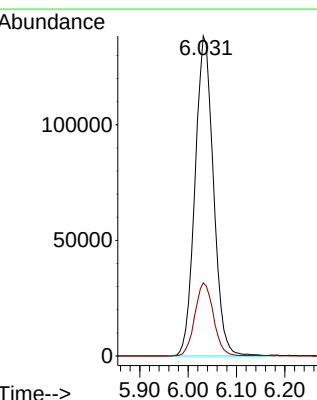
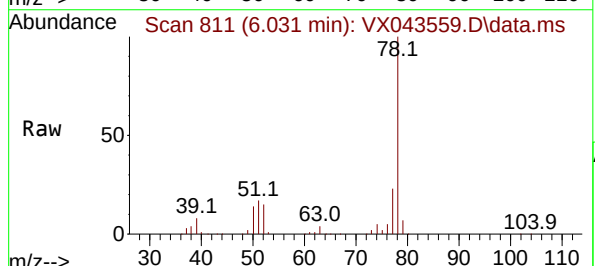
Acq: 28 Oct 2024 12:08

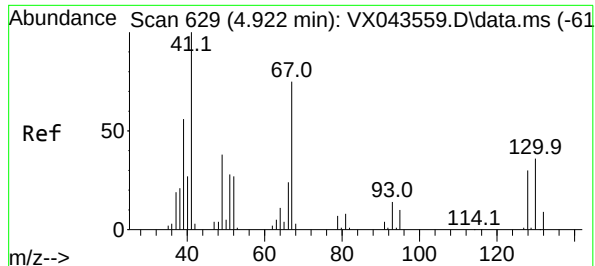
Tgt Ion: 78 Resp: 366906

Ion Ratio Lower Upper

78 100

77 22.9 18.4 27.6





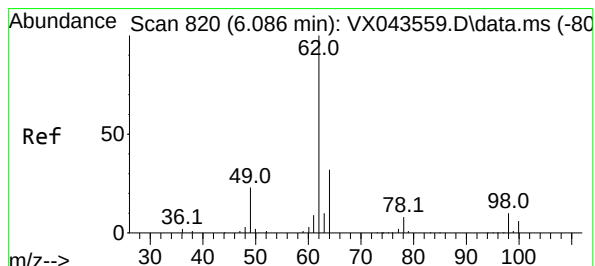
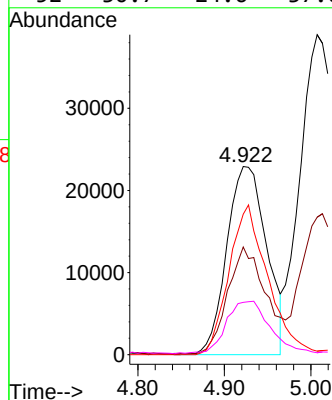
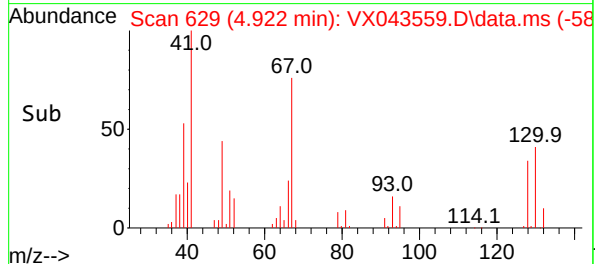
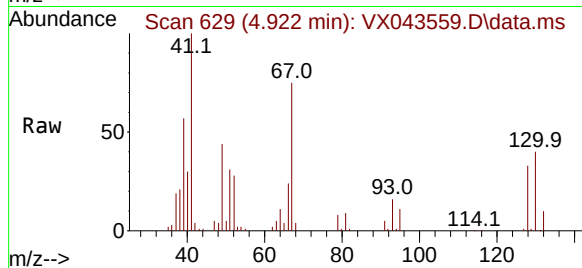
#41
Methacrylonitrile
Concen: 50.034 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 73294
Ion Ratio Lower Upper
41 100
39 55.8 43.5 65.3
67 78.4 58.3 87.5
52 30.7 24.6 37.0

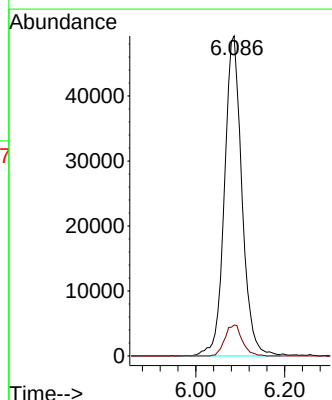
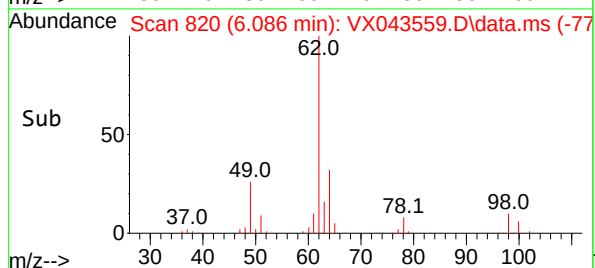
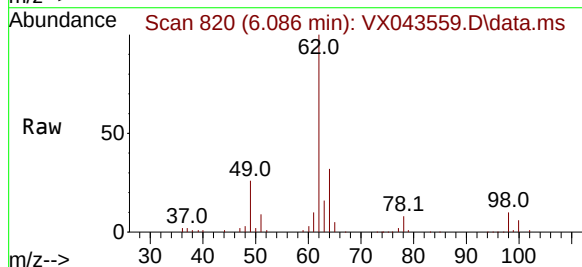
Manual Integrations
APPROVED

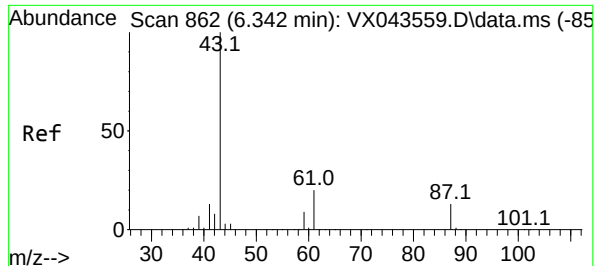
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#42
1,2-Dichloroethane
Concen: 51.050 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 62 Resp: 133953
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.8





#43

Isopropyl Acetate

Concen: 49.127 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 22632

Ion Ratio Lower Upper

43 100

61 20.4 16.2 24.4

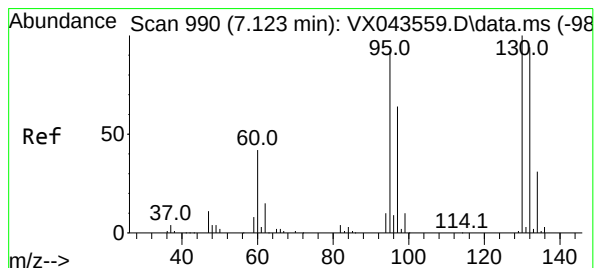
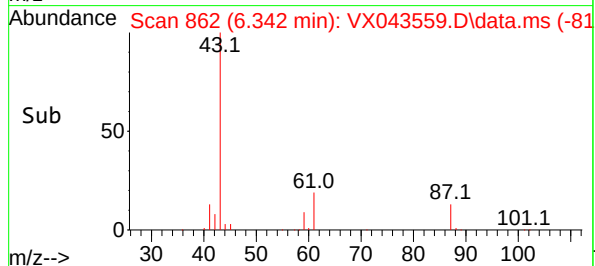
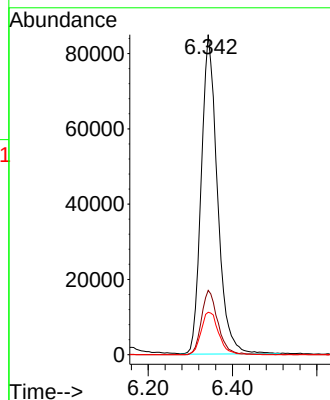
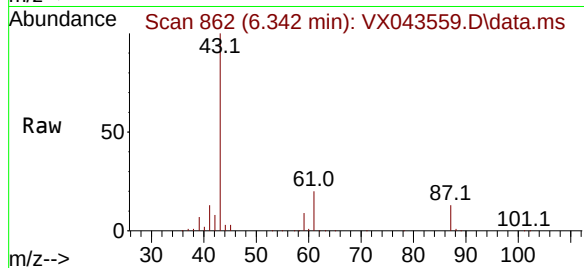
87 14.5 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#44

Trichloroethene

Concen: 54.057 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043559.D

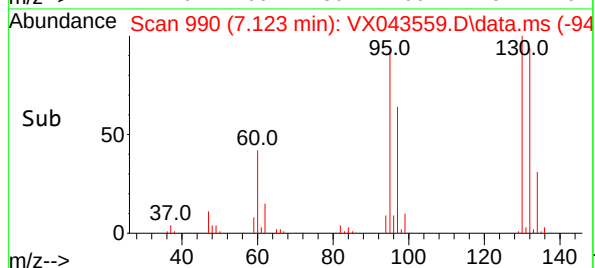
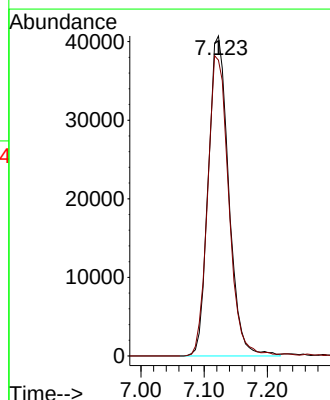
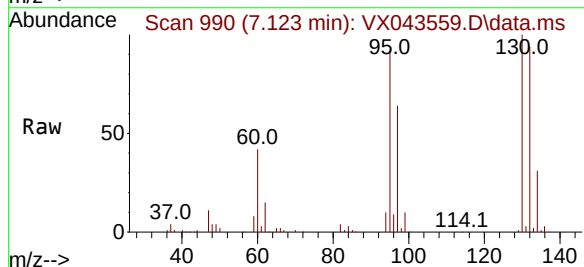
Acq: 28 Oct 2024 12:08

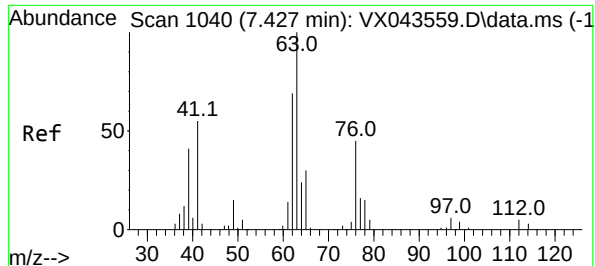
Tgt Ion:130 Resp: 91422

Ion Ratio Lower Upper

130 100

95 92.5 0.0 202.6





#45

1,2-Dichloropropane

Concen: 52.464 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 91389

Ion Ratio Lower Upper

63 100

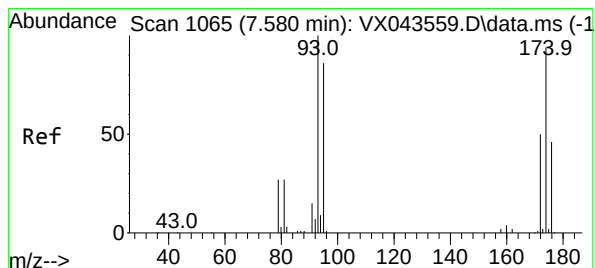
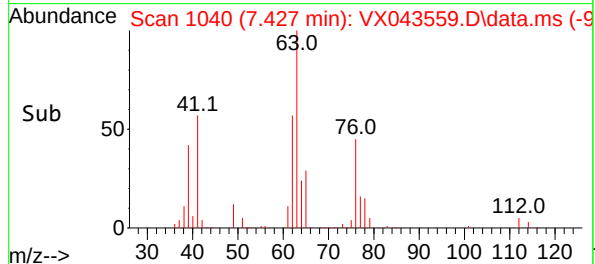
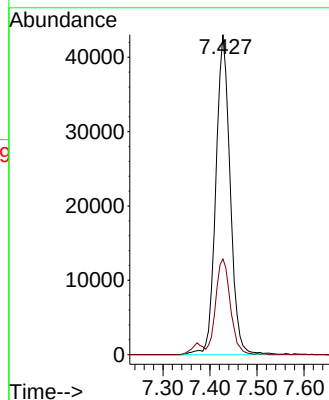
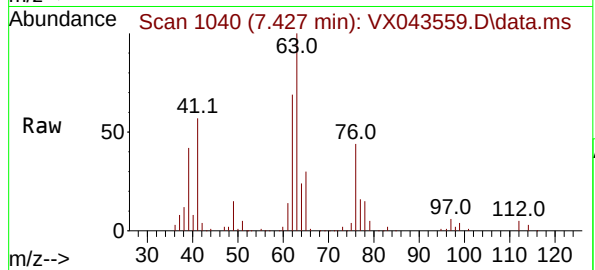
65 29.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#46

Dibromomethane

Concen: 52.600 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

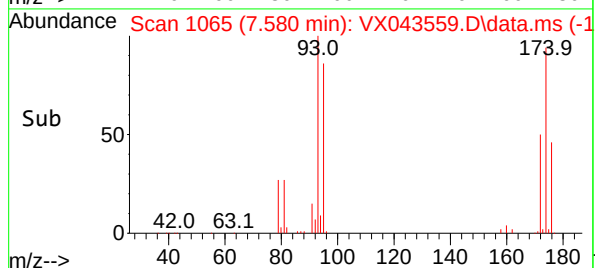
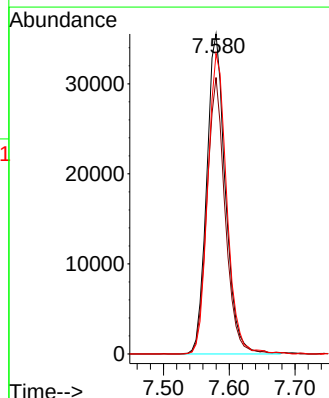
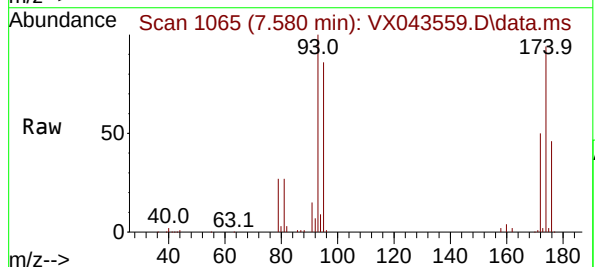
Tgt Ion: 93 Resp: 70386

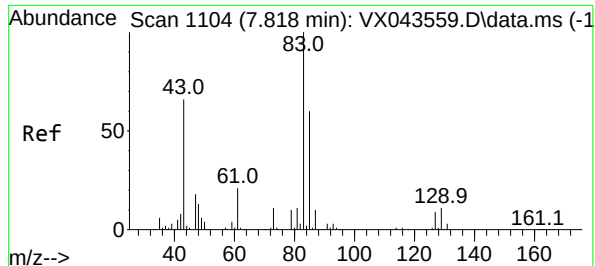
Ion Ratio Lower Upper

93 100

95 84.1 66.4 99.6

174 95.7 75.0 112.4





#47

Bromodichloromethane

Concen: 54.350 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

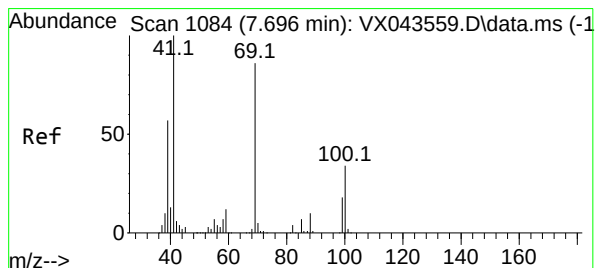
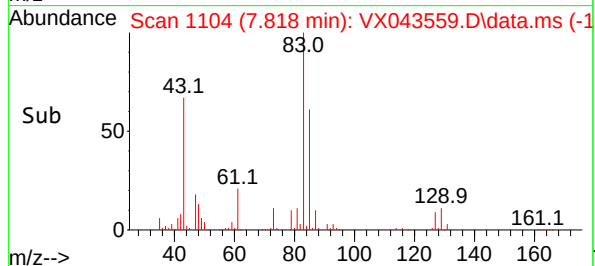
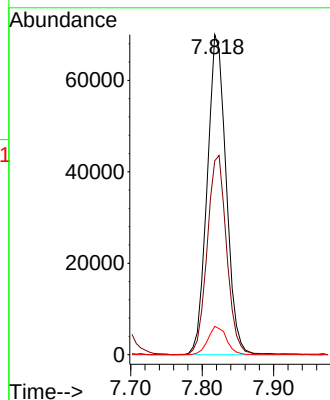
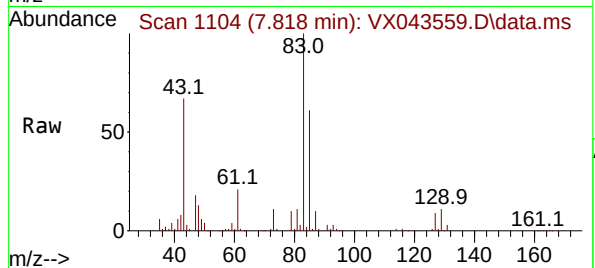
VSTDICCC050

Tgt Ion:	83	Resp:	12902
Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.2	78.4
127	8.8	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#48

Methyl methacrylate

Concen: 50.670 ug/l

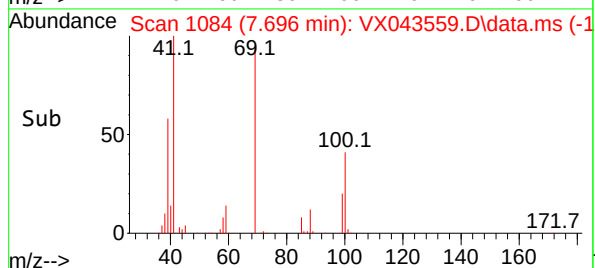
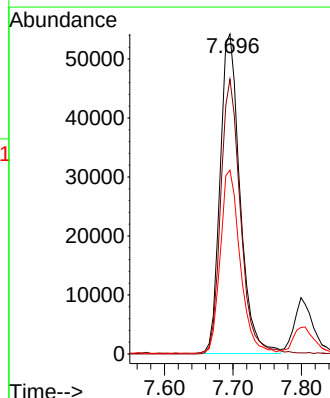
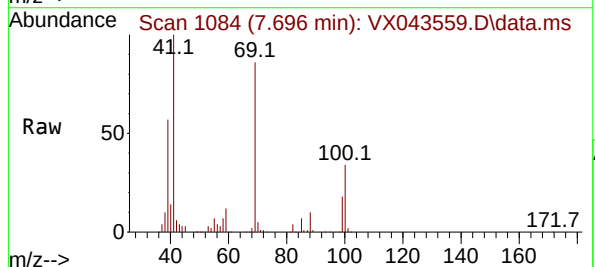
RT: 7.696 min Scan# 1084

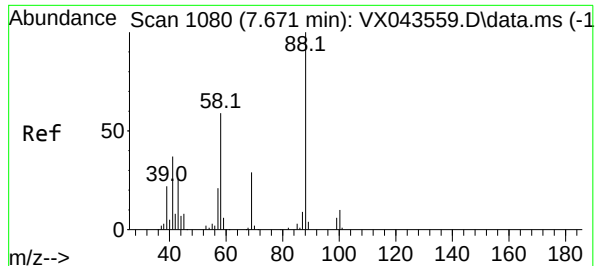
Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Tgt Ion:	41	Resp:	108981
Ion	Ratio	Lower	Upper
41	100		
69	85.9	67.7	101.5
39	57.2	46.3	69.5





#49

1,4-Dioxane

Concen: 805.596 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

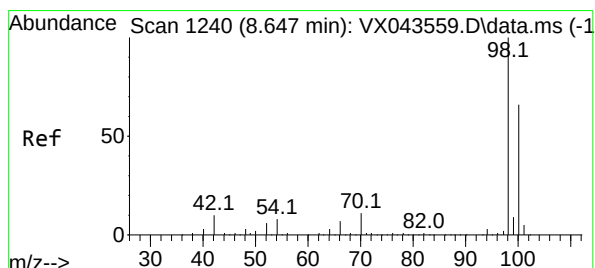
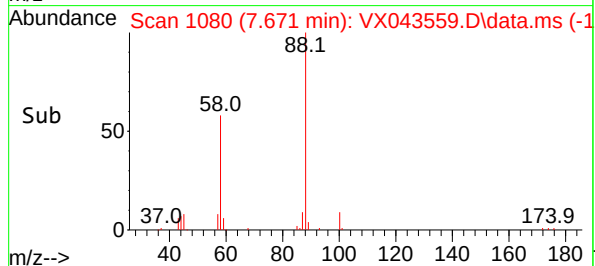
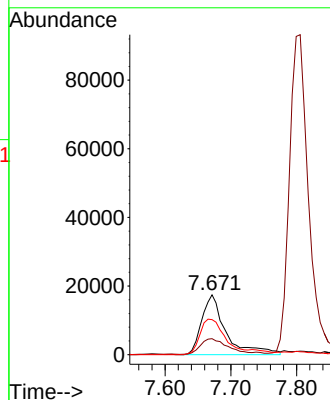
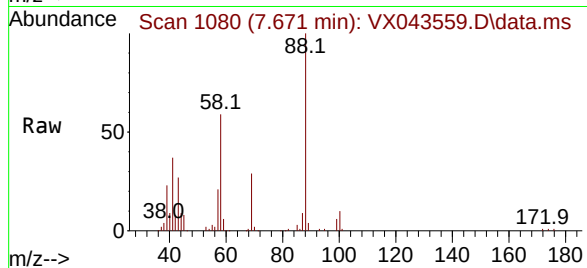
VSTDICCC050

Tgt Ion:	88	Resp:	44510
Ion	Ratio	Lower	Upper
88	100		
43	29.4	25.3	37.9
58	61.5	53.9	80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#50

Toluene-d8

Concen: 50.907 ug/l

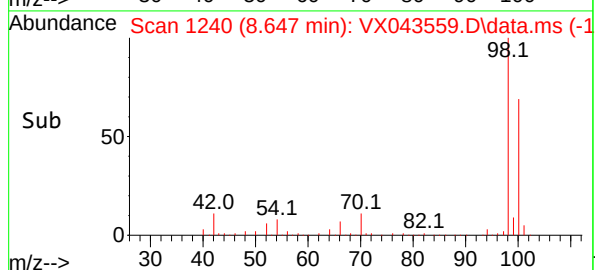
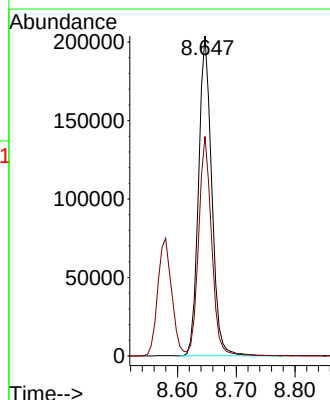
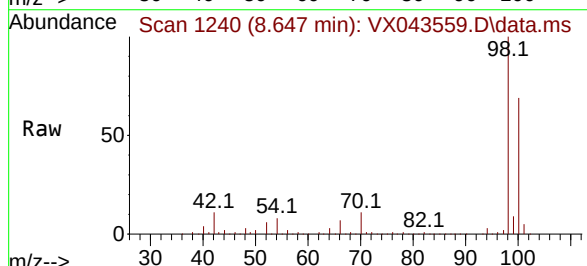
RT: 8.647 min Scan# 1240

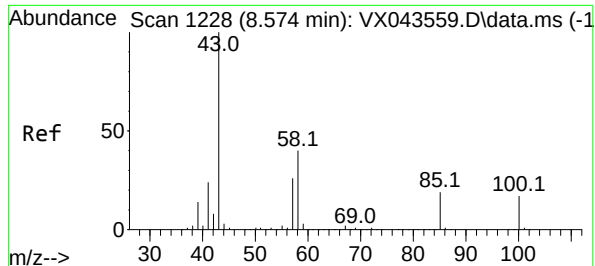
Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Tgt Ion:	98	Resp:	318252
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2





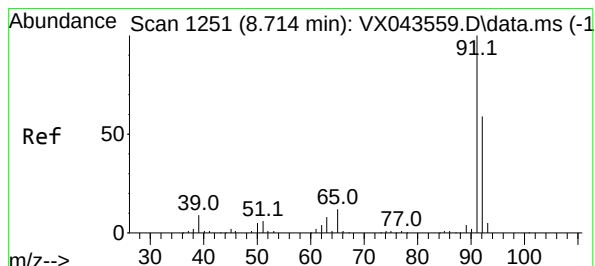
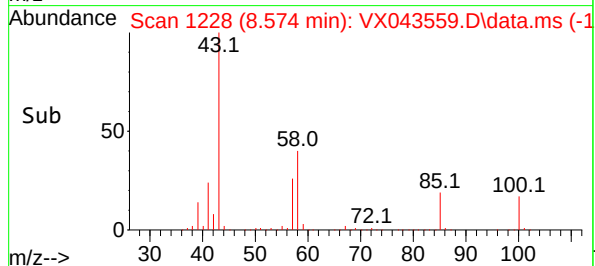
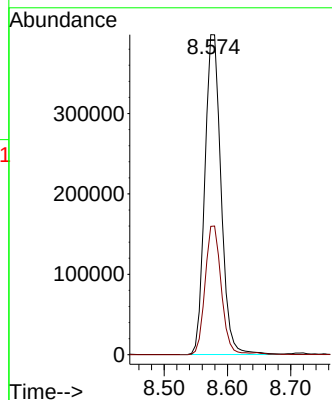
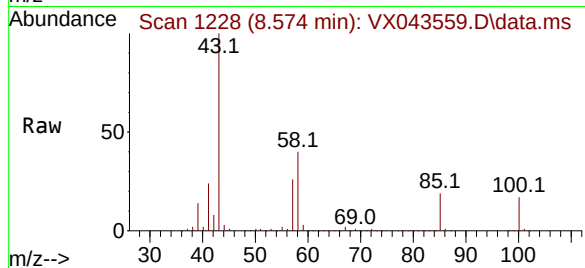
#51
4-Methyl-2-Pentanone
Concen: 243.501 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 710780
Ion Ratio Lower Upper
43 100
58 40.1 31.7 47.5

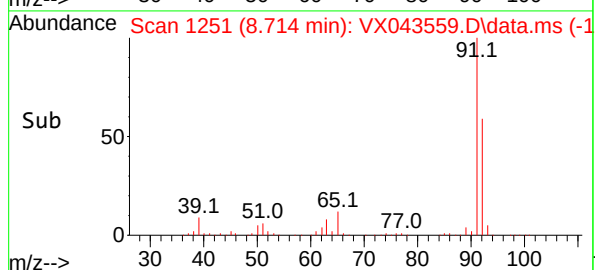
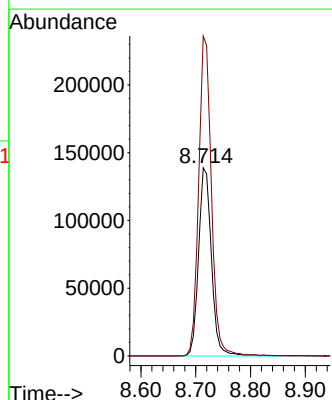
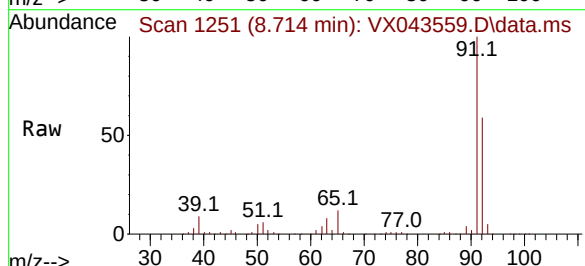
Manual Integrations
APPROVED

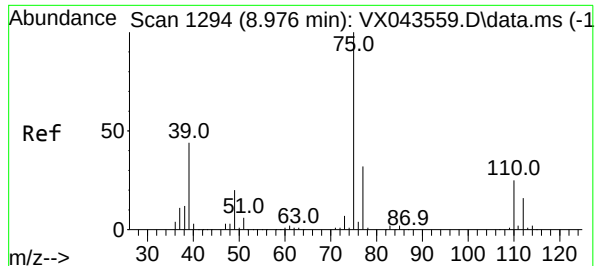
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#52
Toluene
Concen: 51.617 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 92 Resp: 227004
Ion Ratio Lower Upper
92 100
91 168.8 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 57.422 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 13795

Ion Ratio Lower Upper

75 100

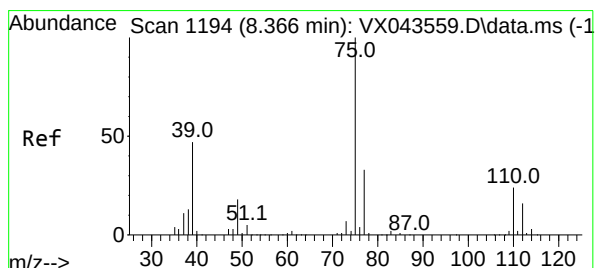
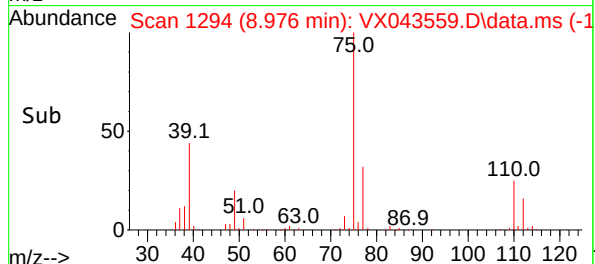
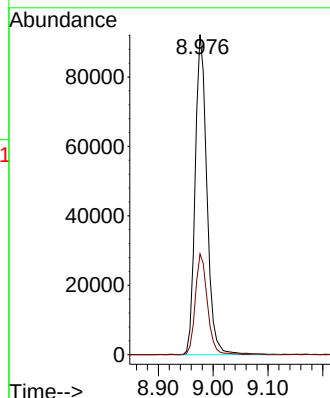
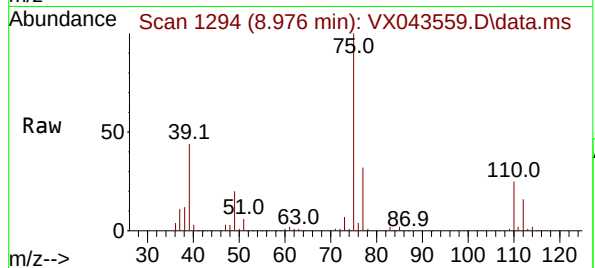
77 31.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#54

cis-1,3-Dichloropropene

Concen: 55.739 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

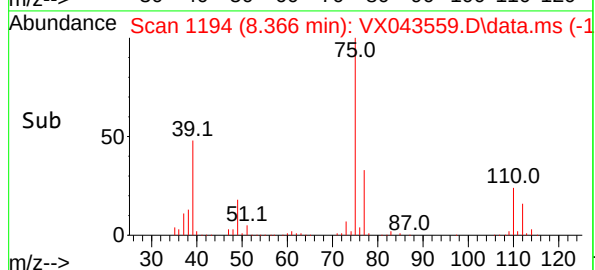
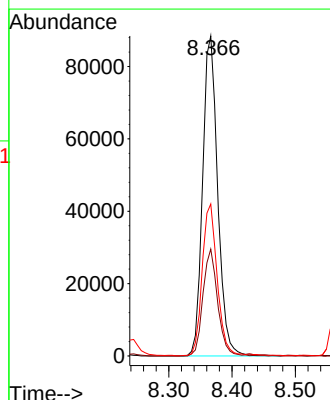
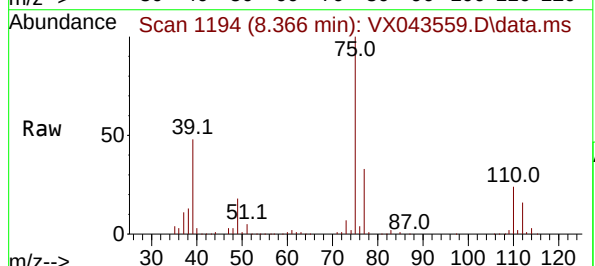
Tgt Ion: 75 Resp: 147056

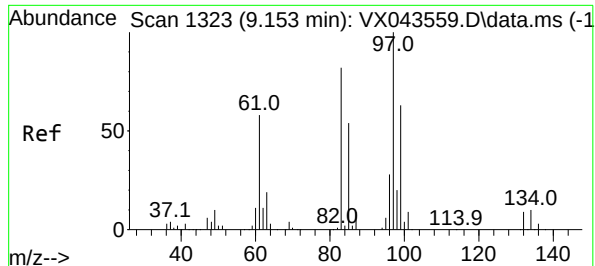
Ion Ratio Lower Upper

75 100

77 33.4 24.8 37.2

39 47.5 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 51.848 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 96225

Ion Ratio Lower Upper

97 100

83 82.2 67.3 100.9

85 53.7 43.6 65.4

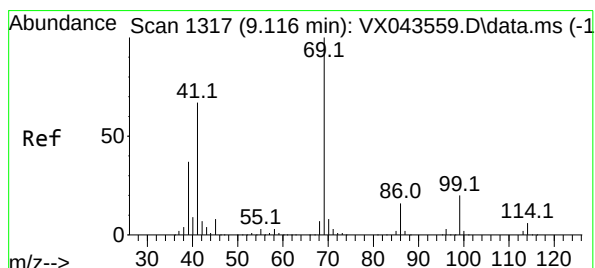
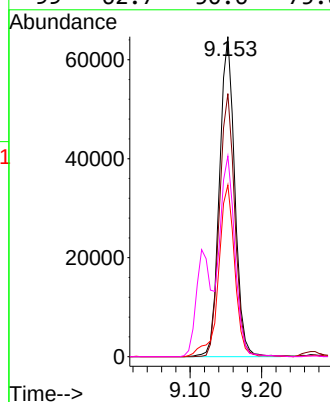
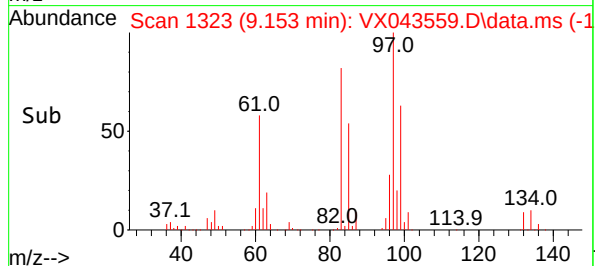
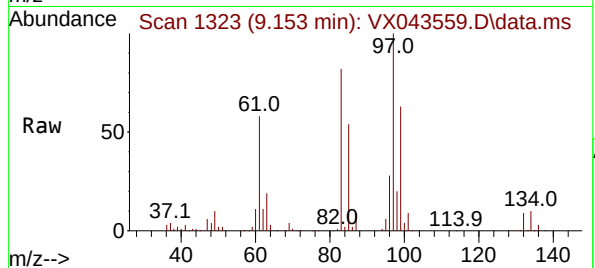
99 62.7 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#56

Ethyl methacrylate

Concen: 53.285 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

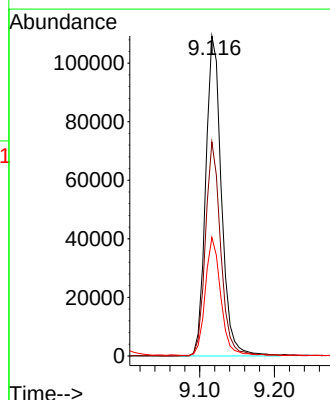
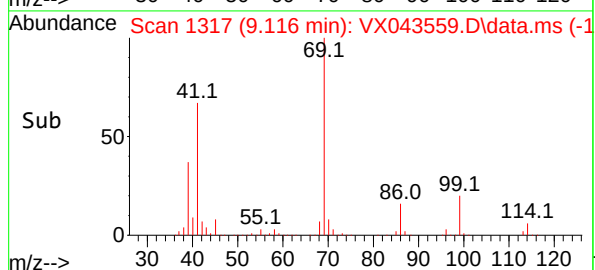
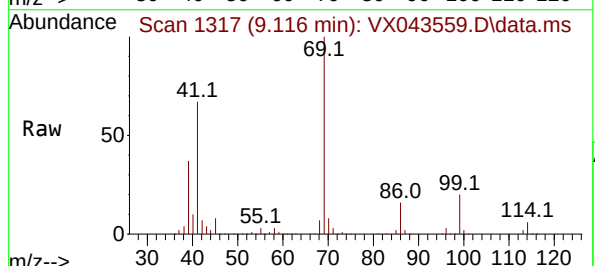
Tgt Ion: 69 Resp: 159817

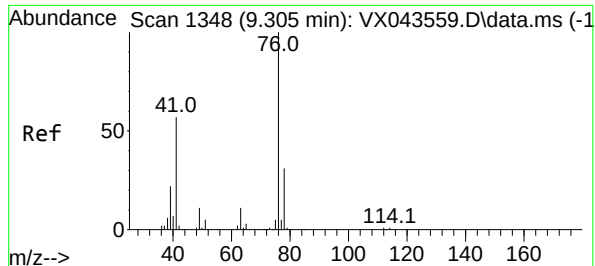
Ion Ratio Lower Upper

69 100

41 65.2 53.8 80.8

39 36.1 29.9 44.9





#57

1,3-Dichloropropane

Concen: 52.178 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 159890

Ion Ratio Lower Upper

76 100

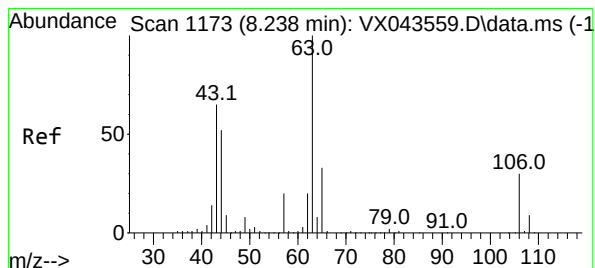
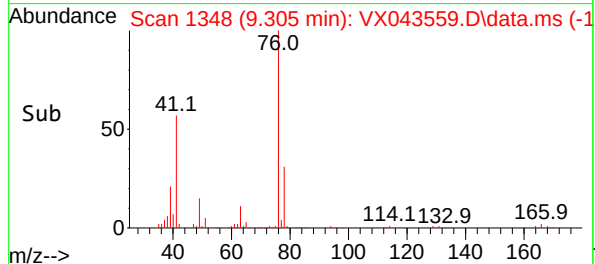
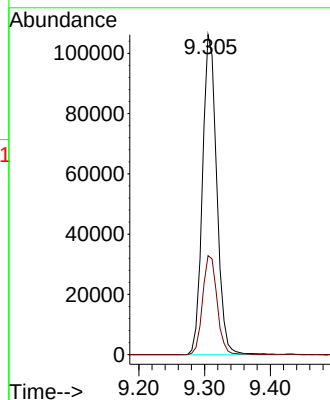
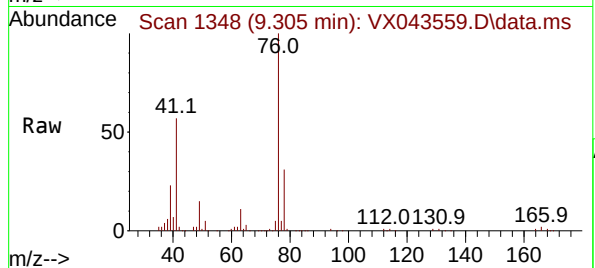
78 31.5 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#58

2-Chloroethyl Vinyl ether

Concen: 245.903 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043559.D

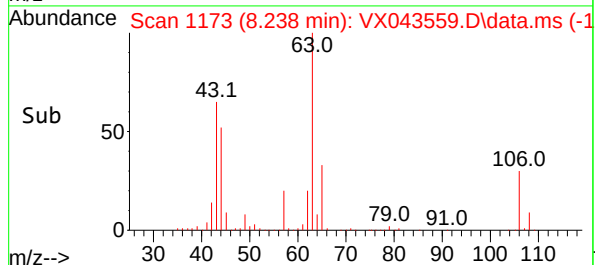
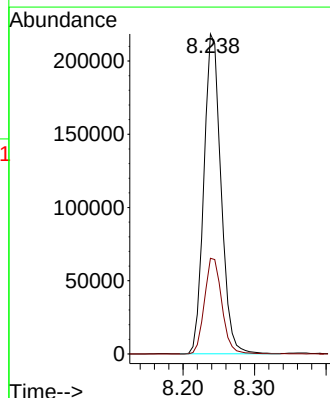
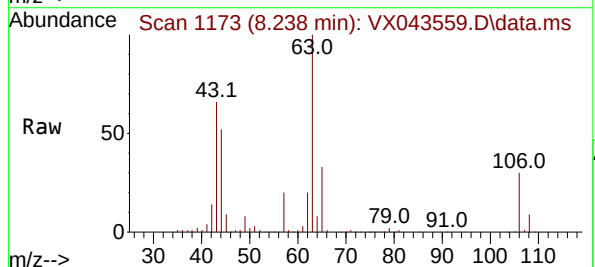
Acq: 28 Oct 2024 12:08

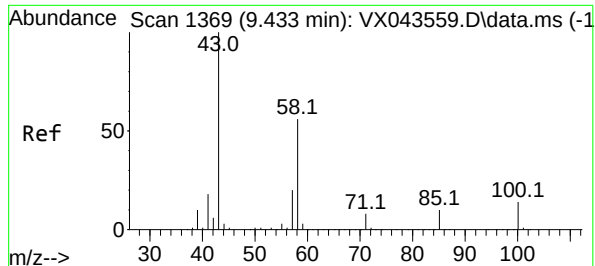
Tgt Ion: 63 Resp: 362792

Ion Ratio Lower Upper

63 100

106 30.5 23.6 35.4





#59

2-Hexanone

Concen: 245.453 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 54176

Ion Ratio Lower Upper

43 100

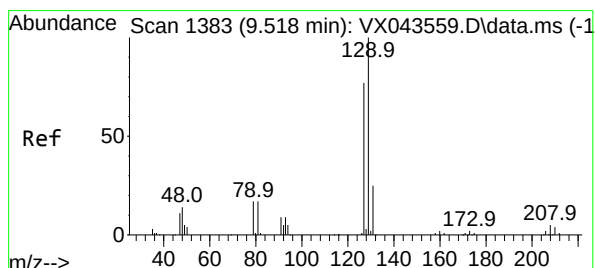
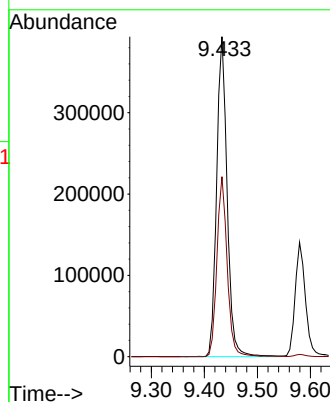
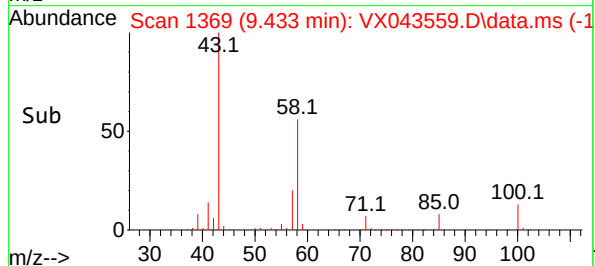
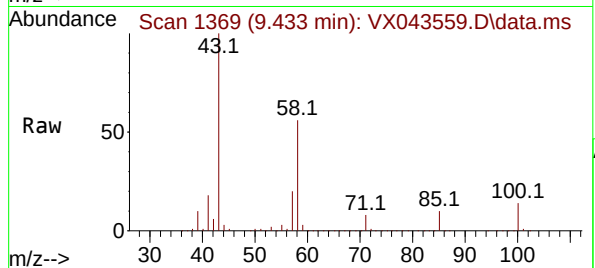
58 55.4 27.5 82.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#60

Dibromochloromethane

Concen: 57.260 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043559.D

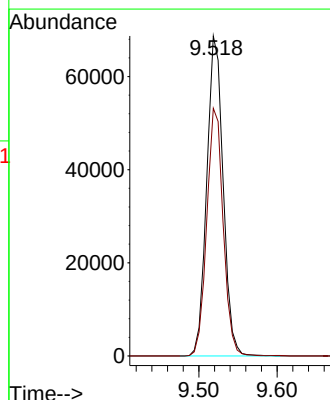
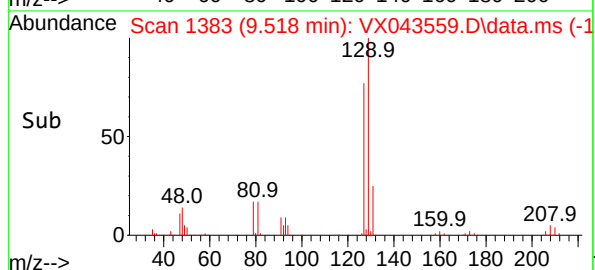
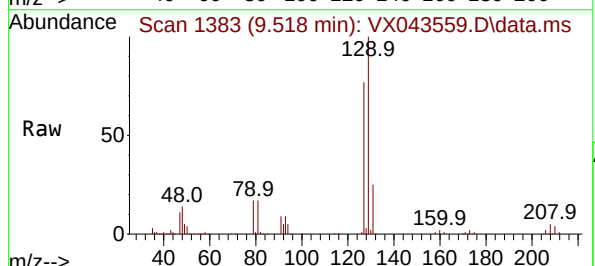
Acq: 28 Oct 2024 12:08

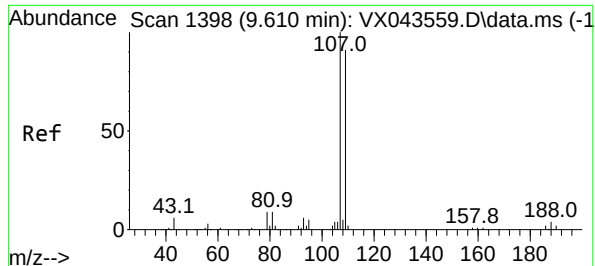
Tgt Ion:129 Resp: 99435

Ion Ratio Lower Upper

129 100

127 77.7 38.4 115.1





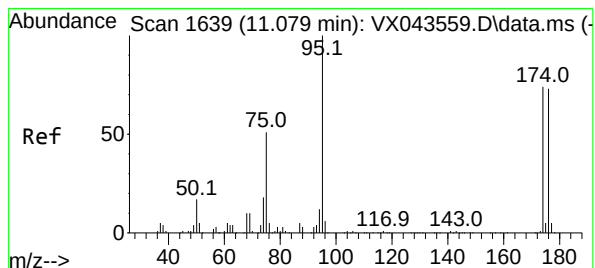
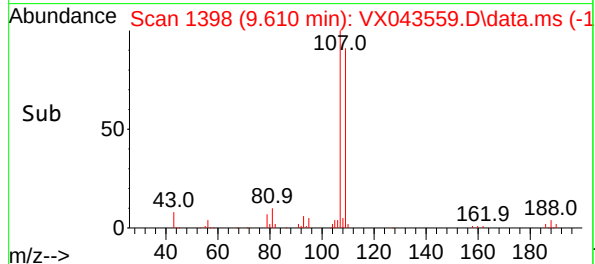
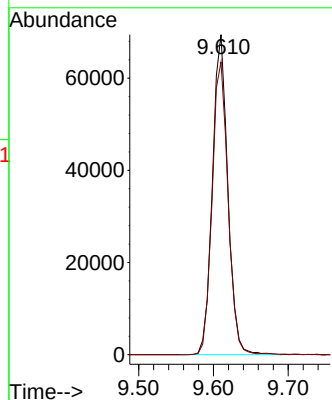
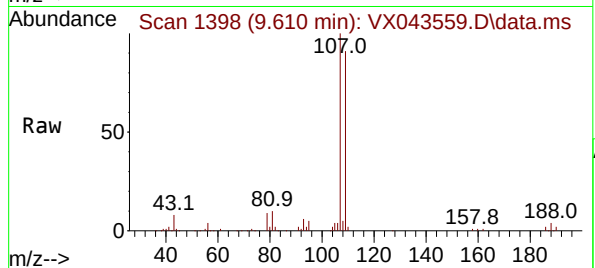
#61
1,2-Dibromoethane
Concen: 53.133 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 99405
Ion Ratio Lower Upper
107 100
109 94.2 77.1 115.7

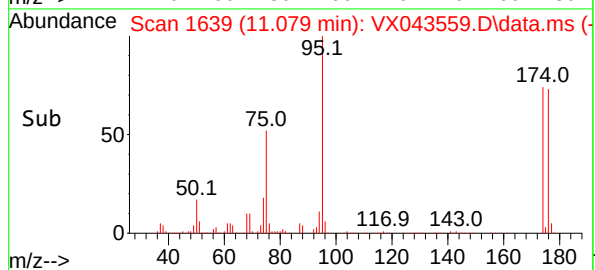
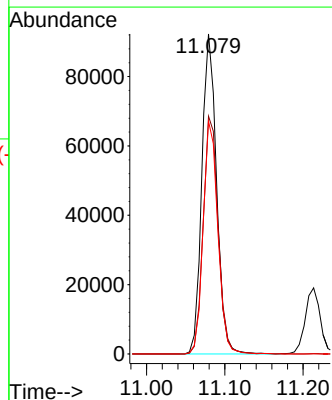
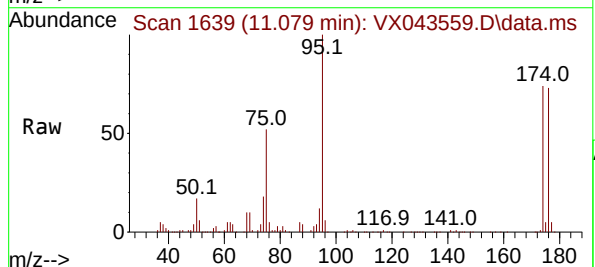
Manual Integrations
APPROVED

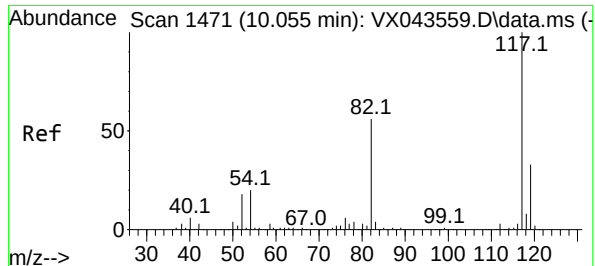
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#62
4-Bromofluorobenzene
Concen: 52.651 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 95 Resp: 120225
Ion Ratio Lower Upper
95 100
174 75.8 0.0 146.6
176 72.7 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

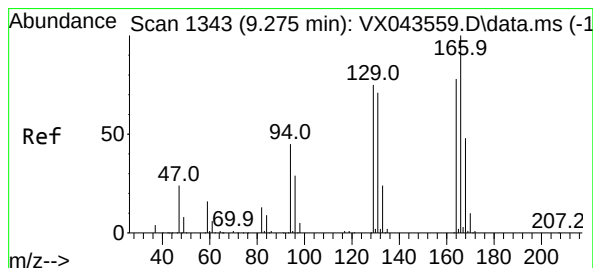
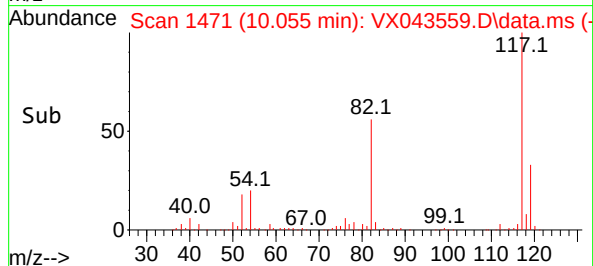
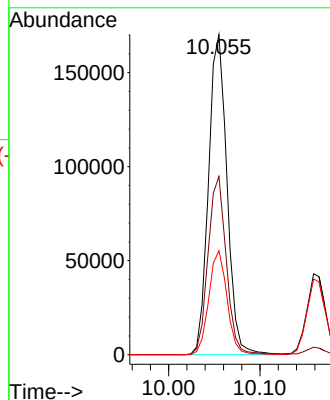
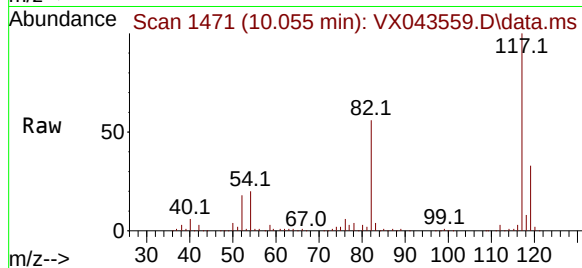
VSTDICCC050

Tgt Ion:	117	Resp:	23834
Ion Ratio	Lower	Upper	
117	100		
82	55.7	42.1	63.1
119	32.5	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#64

Tetrachloroethene

Concen: 49.296 ug/l

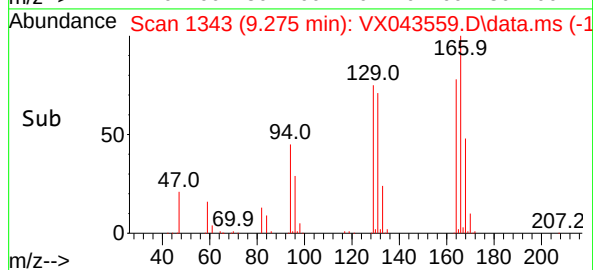
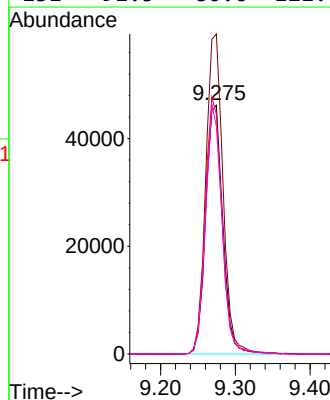
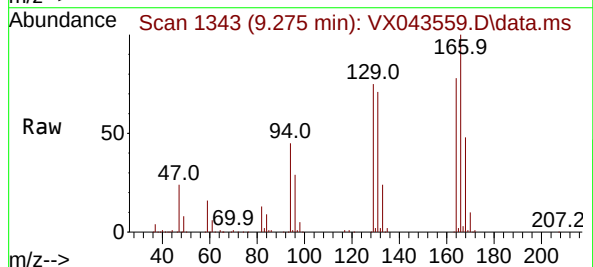
RT: 9.275 min Scan# 1343

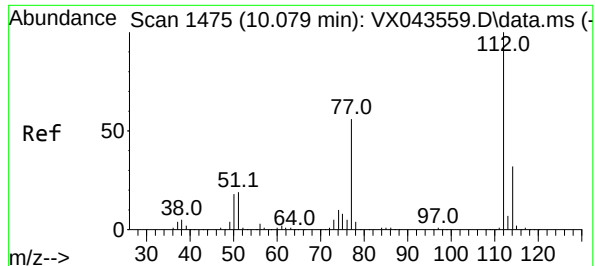
Delta R.T. 0.006 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Tgt Ion:	164	Resp:	73551
Ion Ratio	Lower	Upper	
164	100		
166	128.7	103.8	155.6
129	96.5	83.8	125.6
131	91.5	80.6	121.0





#65

Chlorobenzene

Concen: 51.676 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 256218

Ion Ratio Lower Upper

112 100

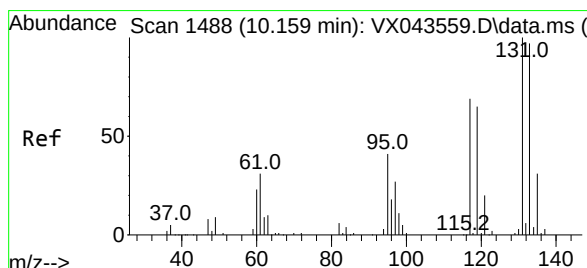
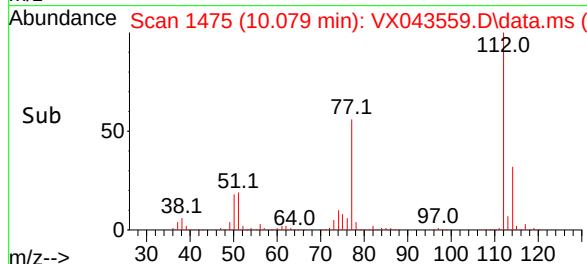
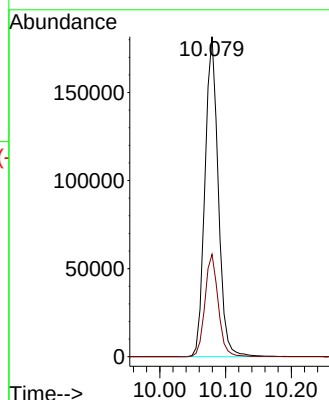
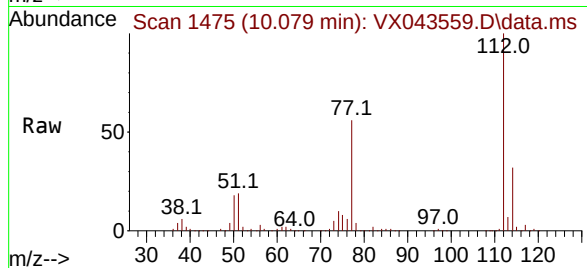
114 32.0 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 52.993 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

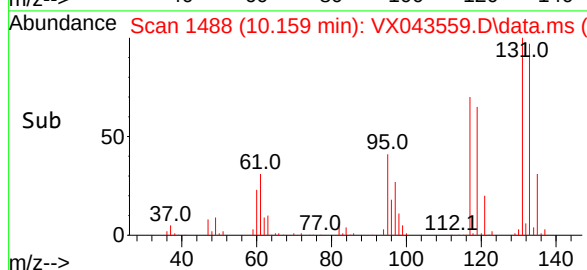
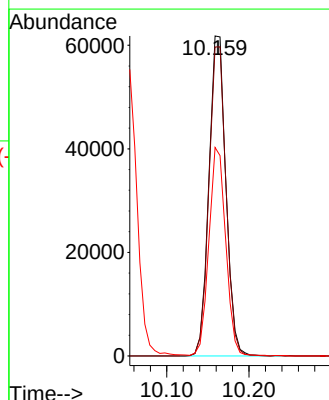
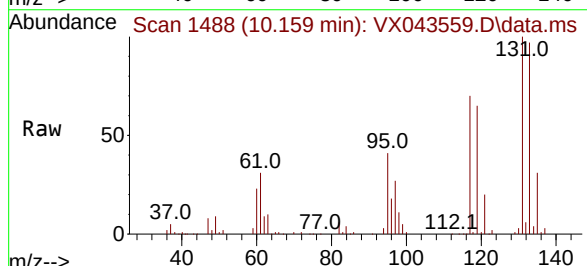
Tgt Ion:131 Resp: 88746

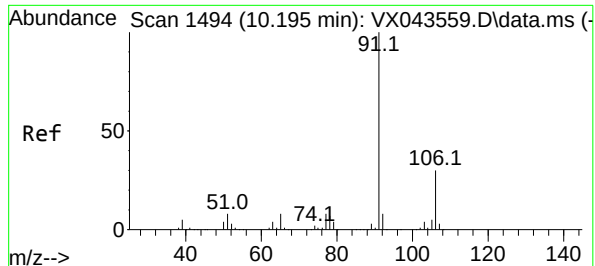
Ion Ratio Lower Upper

131 100

133 96.9 48.0 144.0

119 64.7 32.3 96.9





#67

Ethyl Benzene

Concen: 51.347 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 423519

Ion Ratio Lower Upper

91 100

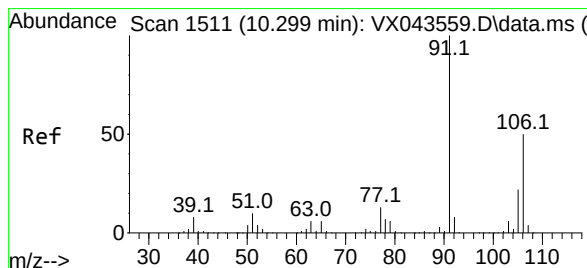
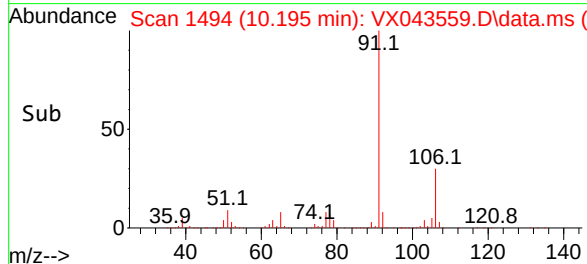
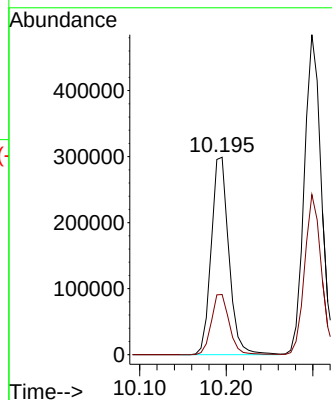
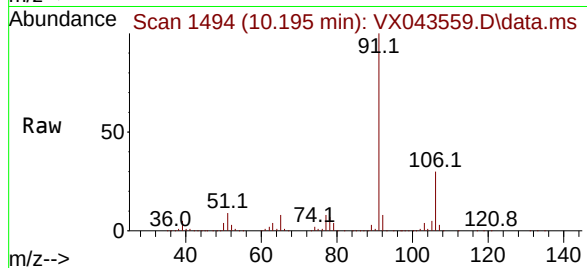
106 30.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#68

m/p-Xylenes

Concen: 105.366 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043559.D

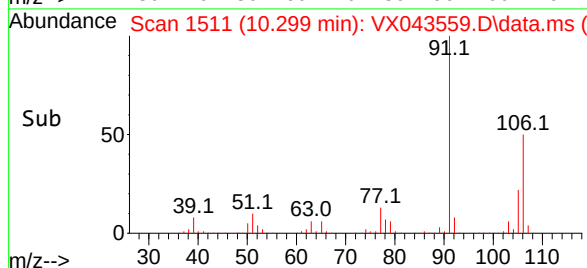
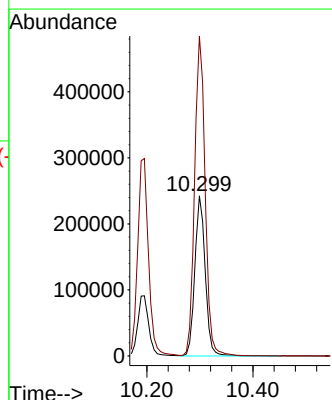
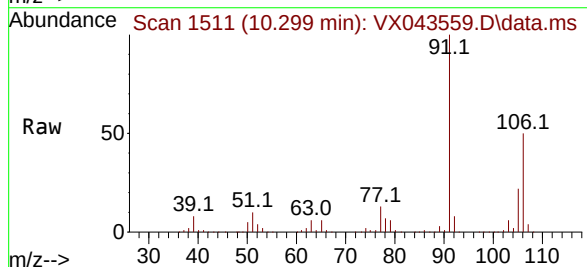
Acq: 28 Oct 2024 12:08

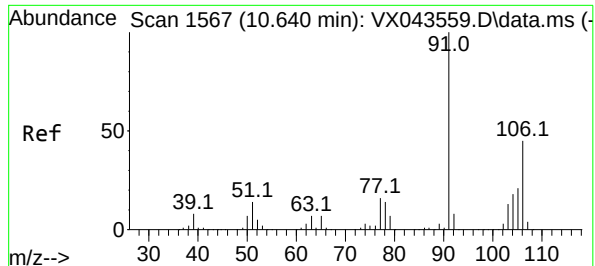
Tgt Ion:106 Resp: 329261

Ion Ratio Lower Upper

106 100

91 202.6 164.7 247.1





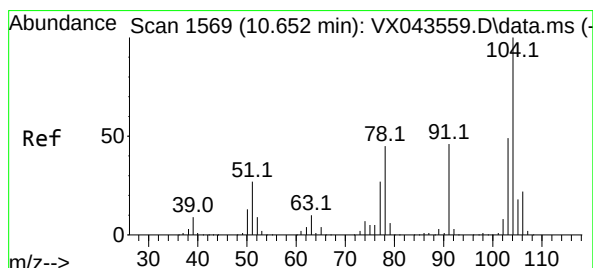
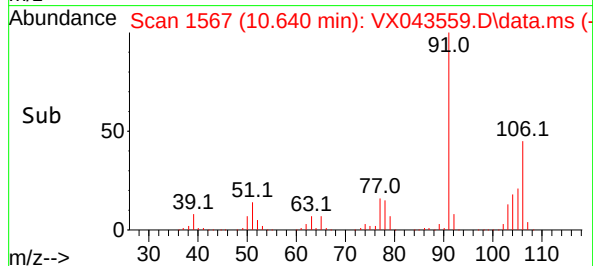
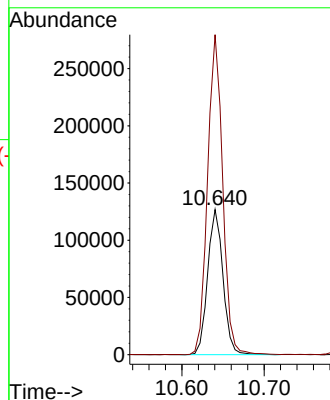
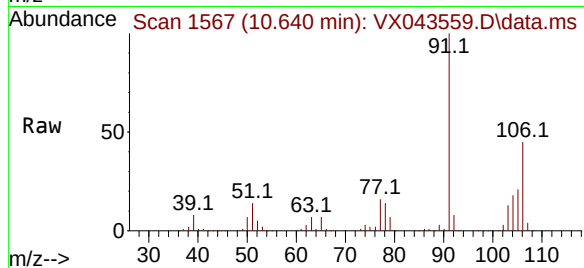
#69
o-Xylene
Concen: 51.137 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 164260
Ion Ratio Lower Upper
106 100
91 217.1 107.9 323.7

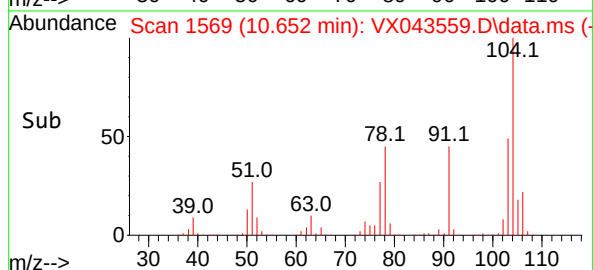
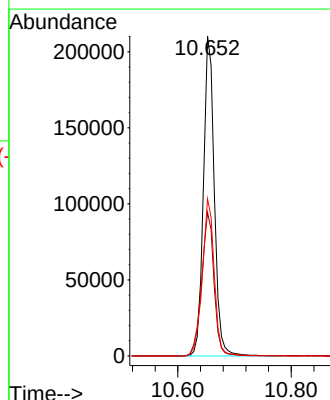
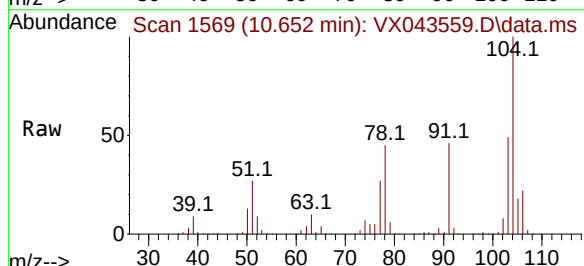
Manual Integrations
APPROVED

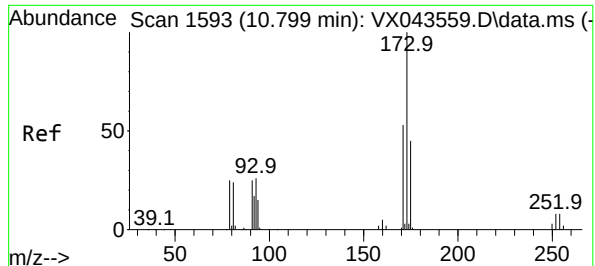
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#70
Styrene
Concen: 54.218 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

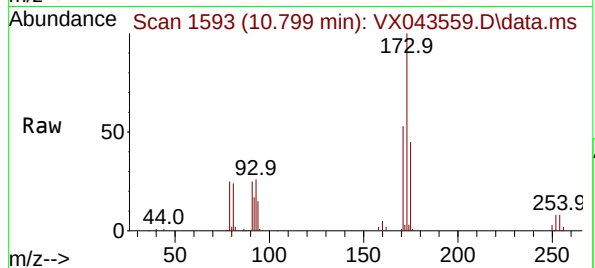
Tgt Ion:104 Resp: 281883
Ion Ratio Lower Upper
104 100
78 50.7 40.0 60.0
103 53.5 43.4 65.0





#71
Bromoform
Concen: 58.090 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

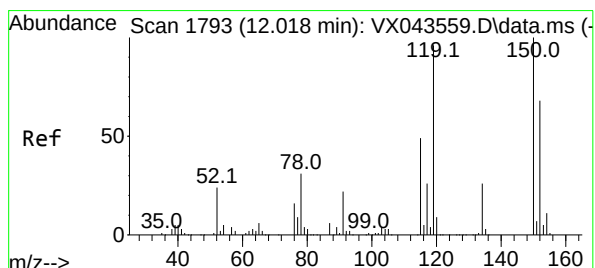
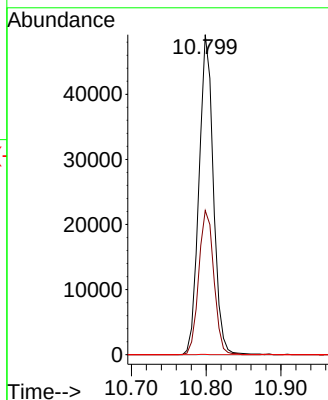
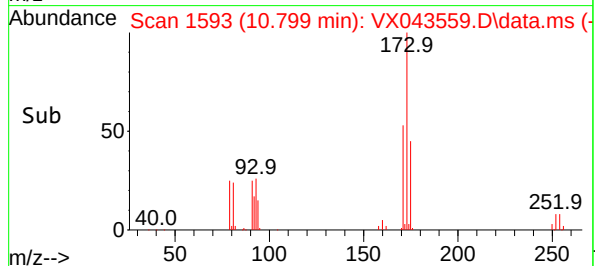
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:173 Resp: 65582
Ion Ratio Lower Upper
173 100
175 47.4 23.3 69.9
254 0.1 0.0 0.0

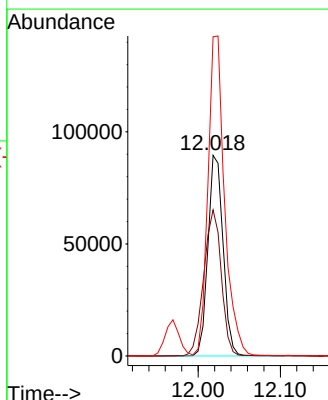
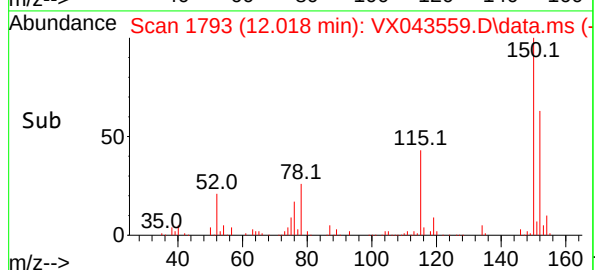
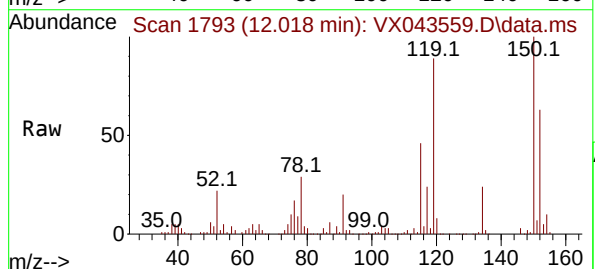
Manual Integrations
APPROVED

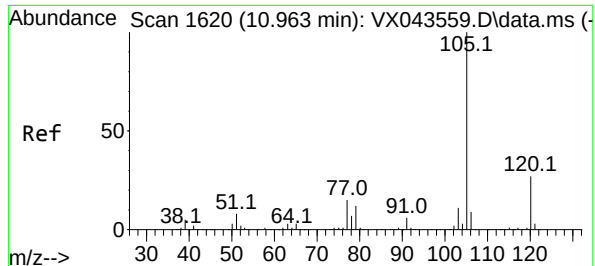
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:152 Resp: 114709
Ion Ratio Lower Upper
152 100
115 84.6 42.9 128.7
150 175.7 0.0 343.6





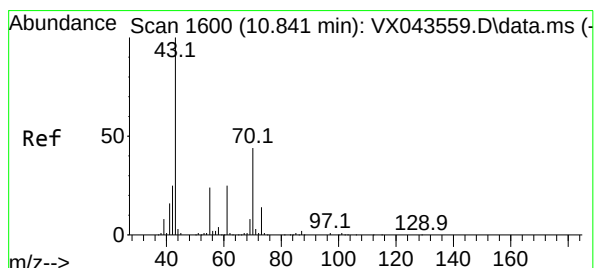
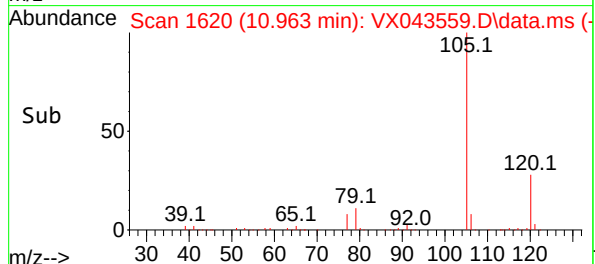
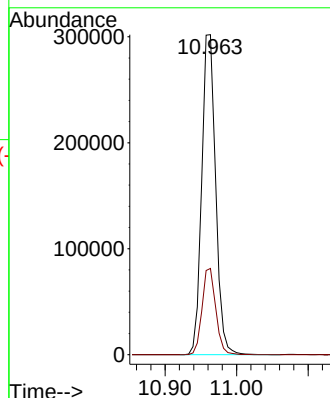
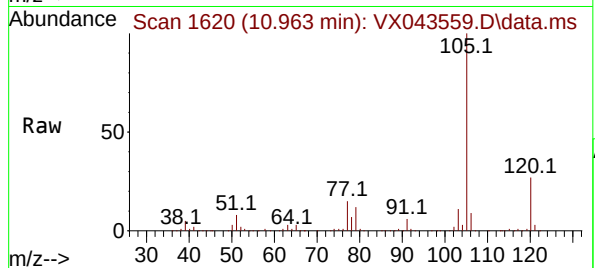
#73
Isopropylbenzene
Concen: 49.811 ug/l
RT: 10.963 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 40841
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6

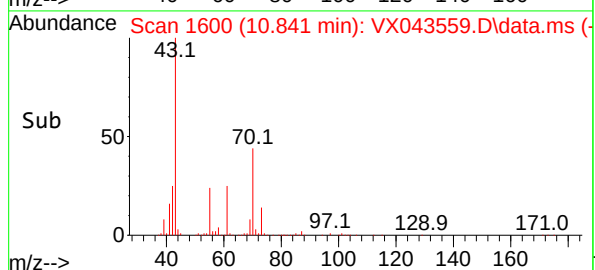
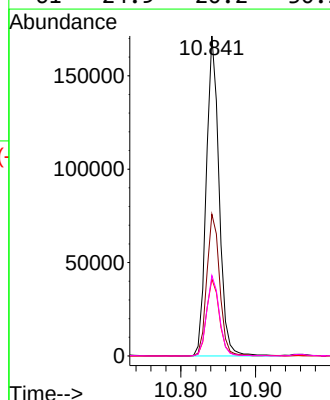
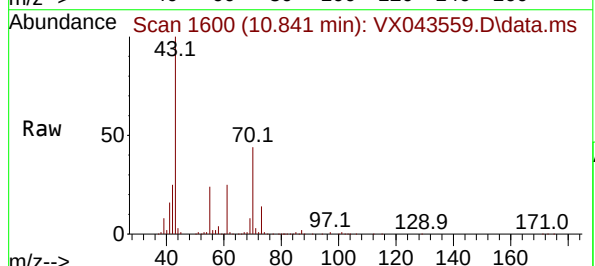
Manual Integrations
APPROVED

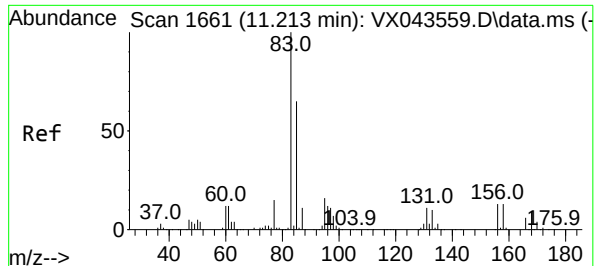
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#74
N-ethyl acetate
Concen: 49.234 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 43 Resp: 203333
Ion Ratio Lower Upper
43 100
70 44.4 34.6 52.0
55 24.2 19.6 29.4
61 24.9 20.2 30.2





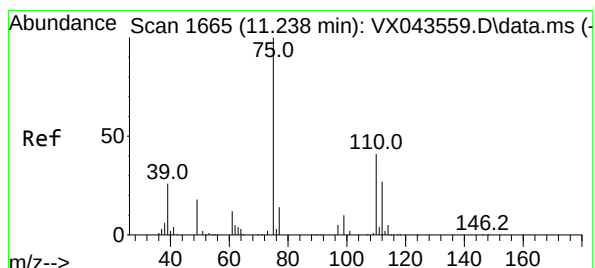
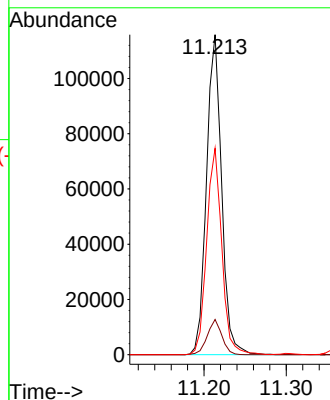
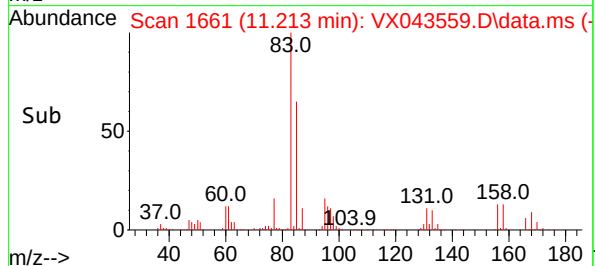
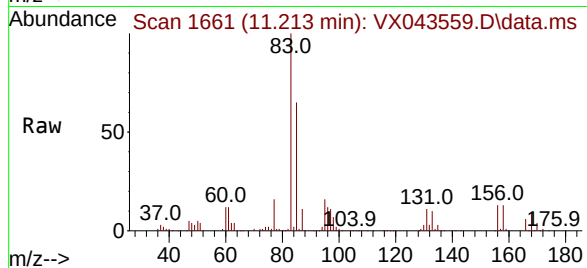
#75
1,1,2,2-Tetrachloroethane
Concen: 47.168 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 14815
Ion Ratio Lower Upper
83 100
131 10.6 5.3 15.9
85 64.5 32.4 97.0

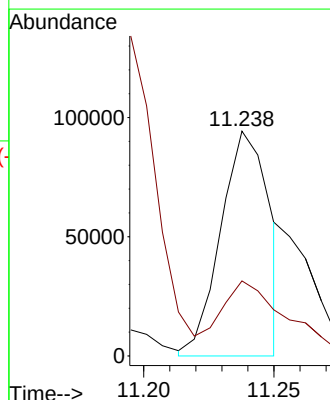
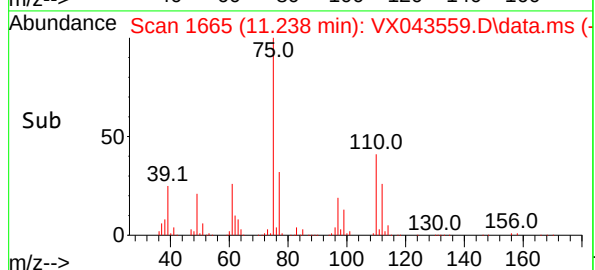
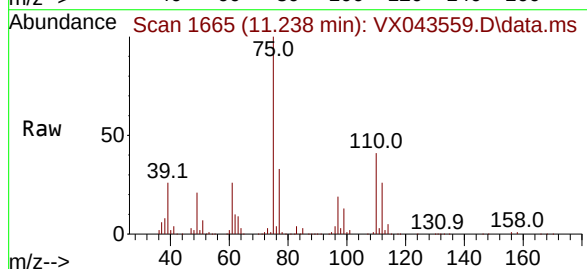
Manual Integrations
APPROVED

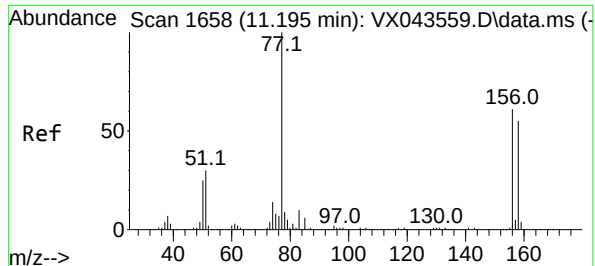
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#76
1,2,3-Trichloropropane
Concen: 46.074 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

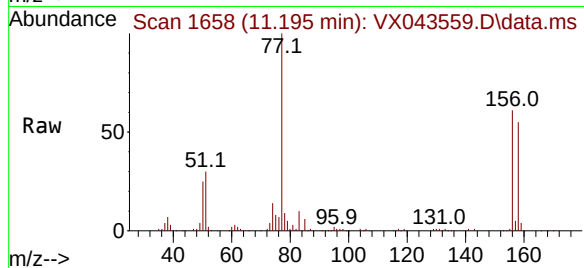
Tgt Ion: 75 Resp: 122864
Ion Ratio Lower Upper
75 100
77 45.4 22.4 67.2





#77
Bromobenzene
Concen: 50.684 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

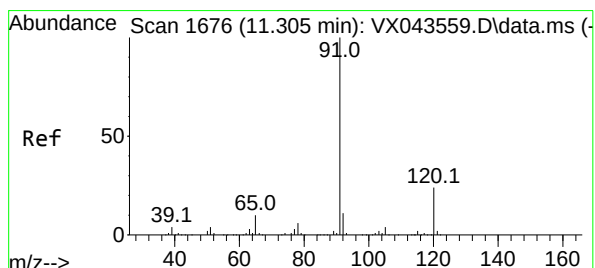
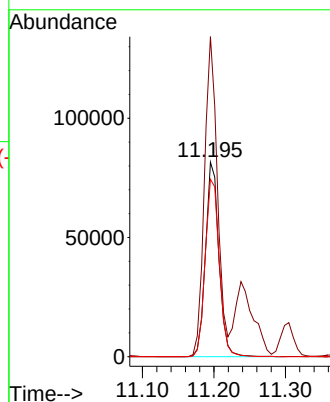
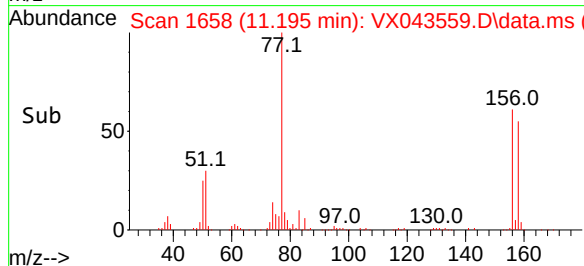
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:156 Resp: 106088
Ion Ratio Lower Upper
156 100
77 159.5 79.7 239.1
158 96.0 48.0 144.0

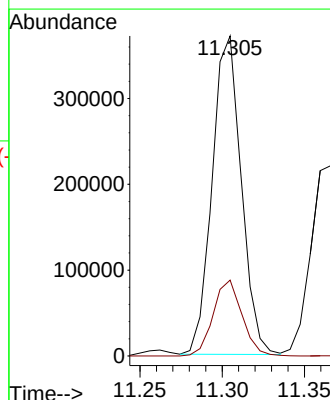
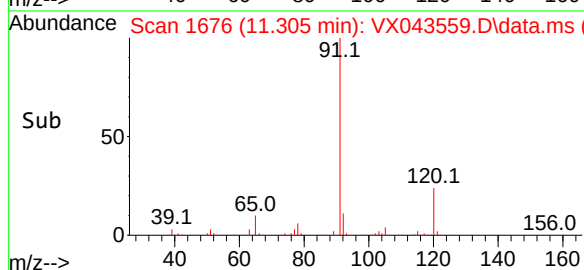
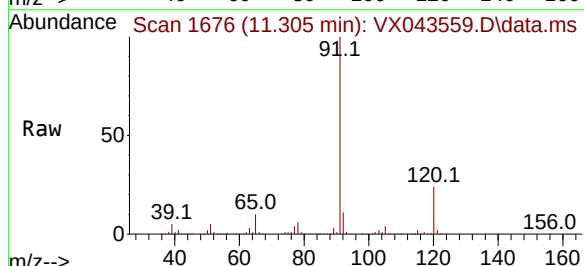
Manual Integrations
APPROVED

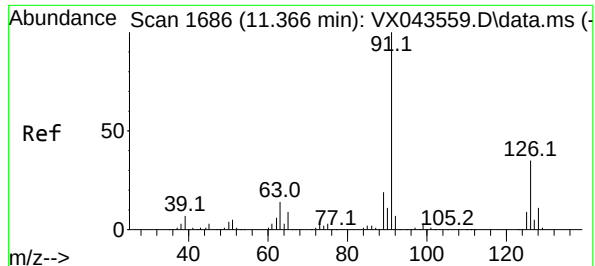
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#78
n-propylbenzene
Concen: 52.320 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 91 Resp: 457180
Ion Ratio Lower Upper
91 100
120 23.7 11.6 34.7





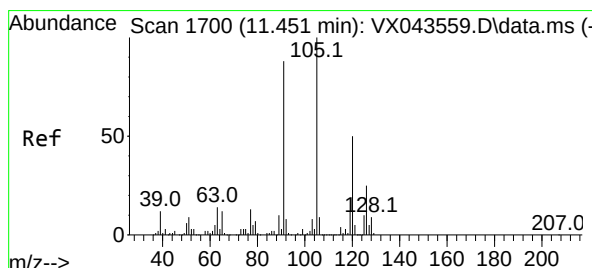
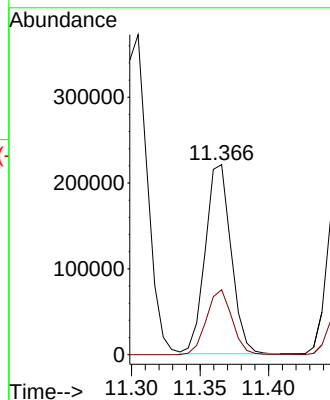
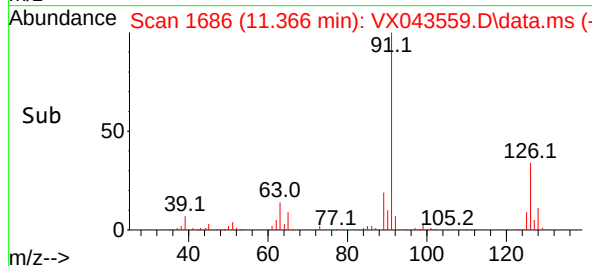
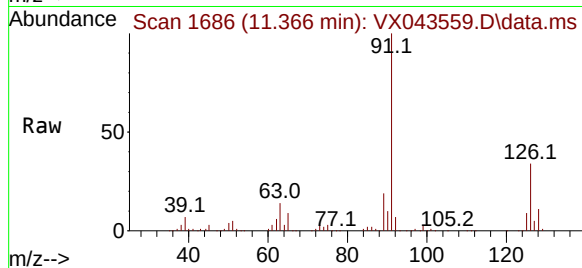
#79
2-Chlorotoluene
Concen: 49.242 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 28871
Ion Ratio Lower Upper
91 100
126 34.0 16.7 50.0

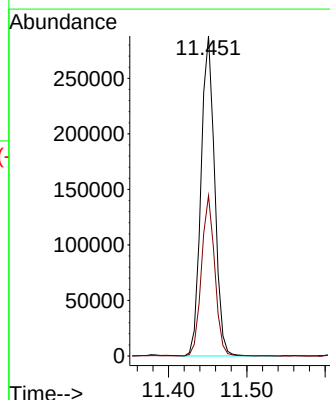
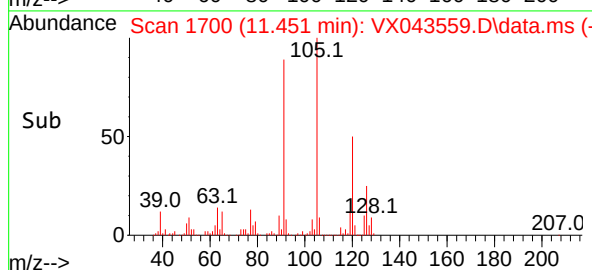
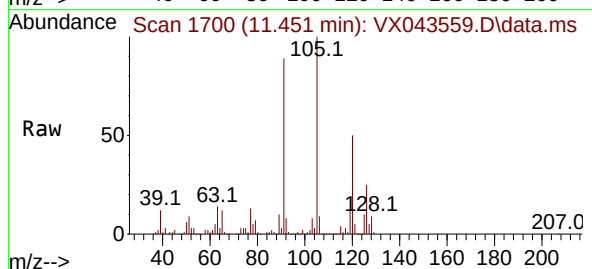
Manual Integrations
APPROVED

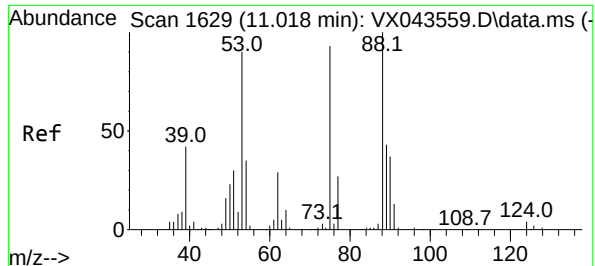
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#80
1,3,5-Trimethylbenzene
Concen: 51.192 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:105 Resp: 348498
Ion Ratio Lower Upper
105 100
120 48.6 23.8 71.5





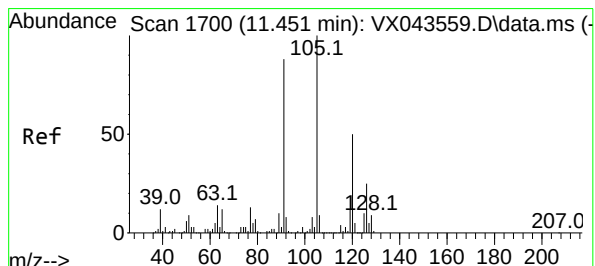
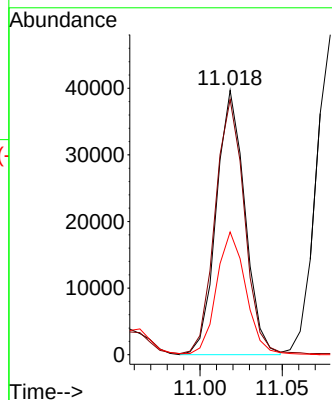
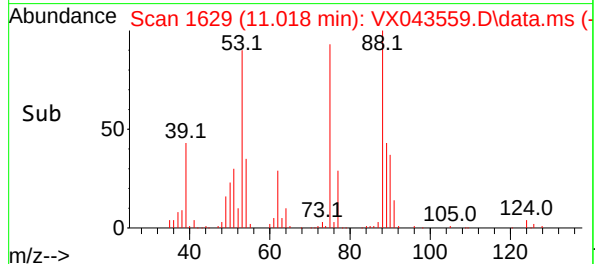
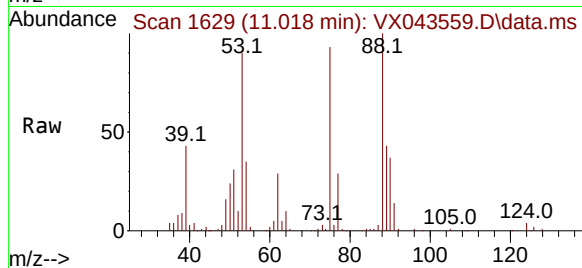
#81
trans-1,4-Dichloro-2-butene
Concen: 54.897 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 47974
Ion Ratio Lower Upper
75 100
53 98.3 84.6 126.8
89 47.7 38.6 58.0

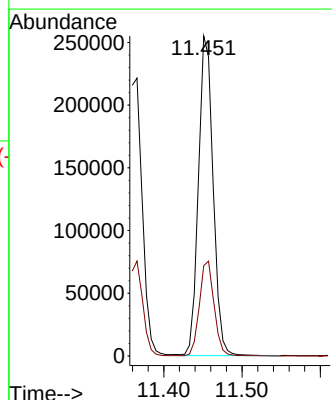
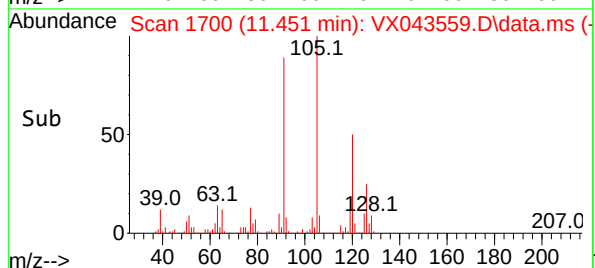
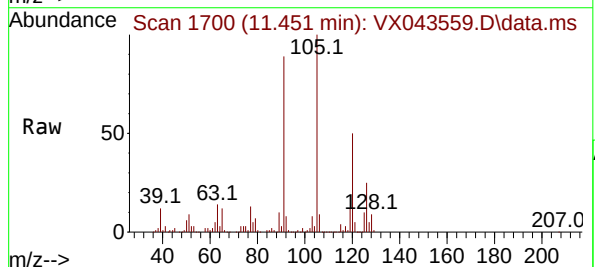
Manual Integrations
APPROVED

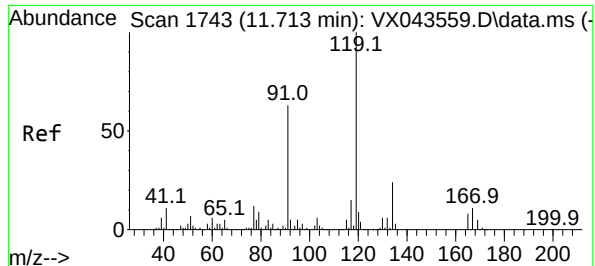
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#82
4-Chlorotoluene
Concen: 51.131 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 91 Resp: 331765
Ion Ratio Lower Upper
91 100
126 29.9 14.2 42.8





#83

tert-Butylbenzene

Concen: 50.250 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 348850

Ion Ratio Lower Upper

119 100

91 59.1 29.5 88.5

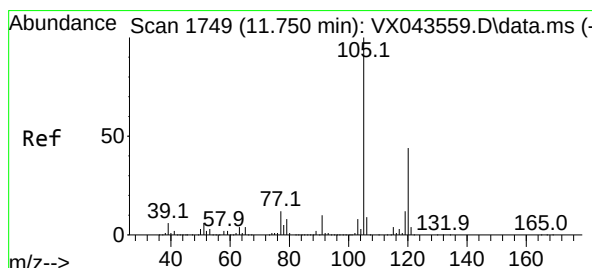
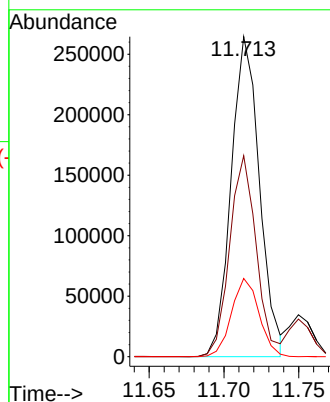
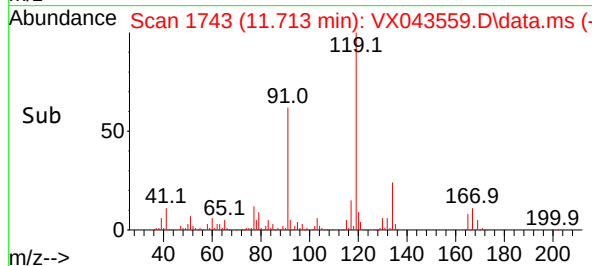
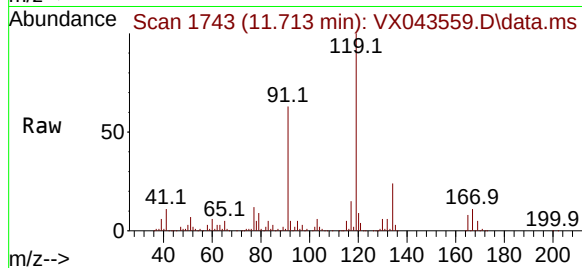
134 23.8 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#84

1,2,4-Trimethylbenzene

Concen: 51.061 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043559.D

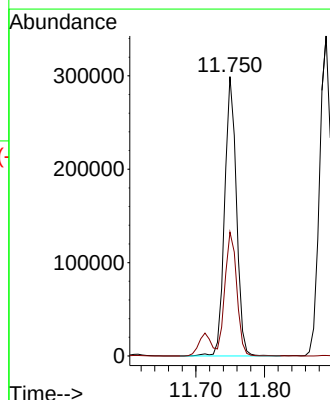
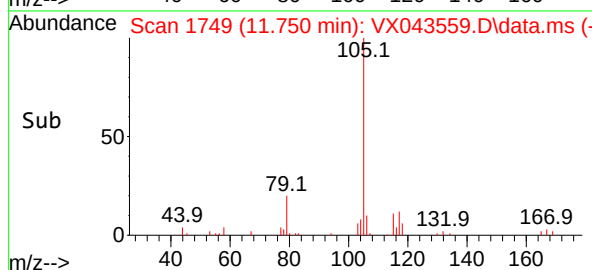
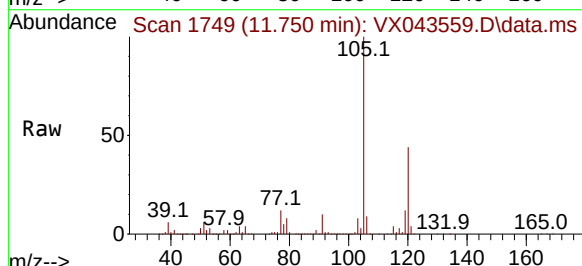
Acq: 28 Oct 2024 12:08

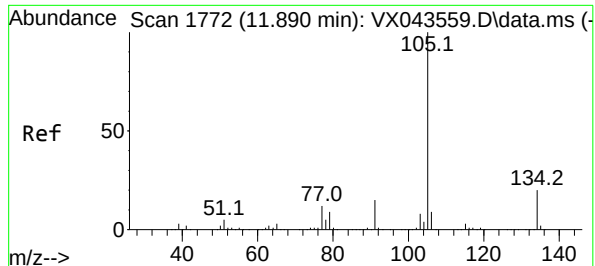
Tgt Ion:105 Resp: 355522

Ion Ratio Lower Upper

105 100

120 44.3 22.1 66.1





#85

sec-Butylbenzene

Concen: 51.960 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 41778

Ion Ratio Lower Upper

105 100

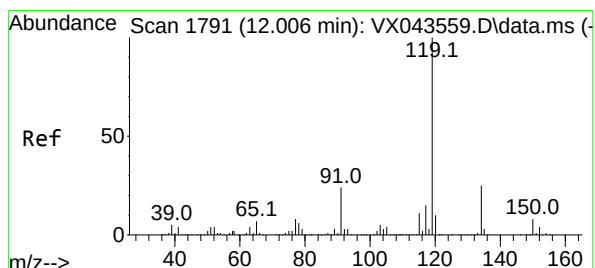
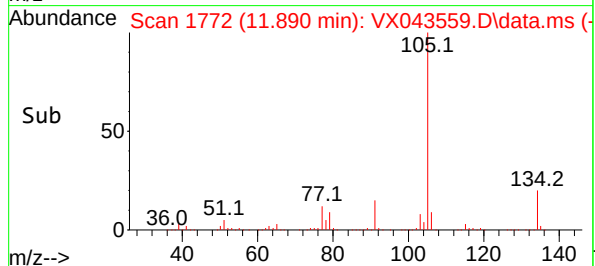
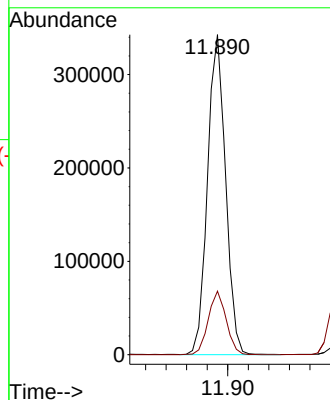
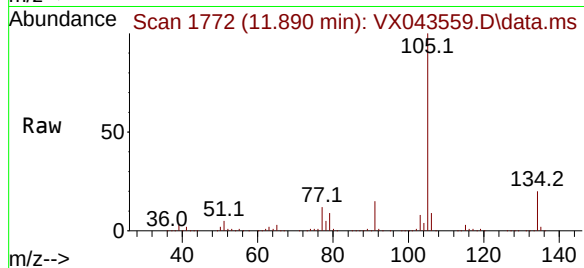
134 19.7 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#86

p-Isopropyltoluene

Concen: 53.750 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

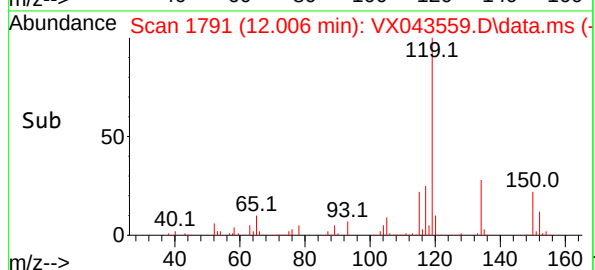
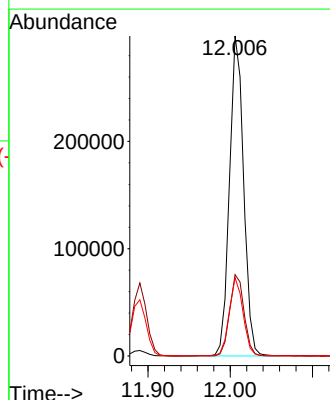
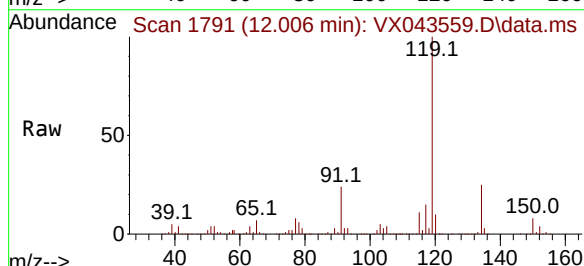
Tgt Ion:119 Resp: 358049

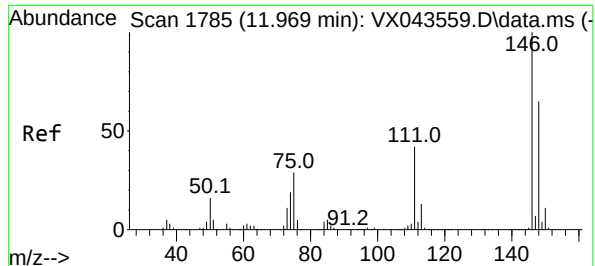
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 24.0 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 50.274 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 188818

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.4

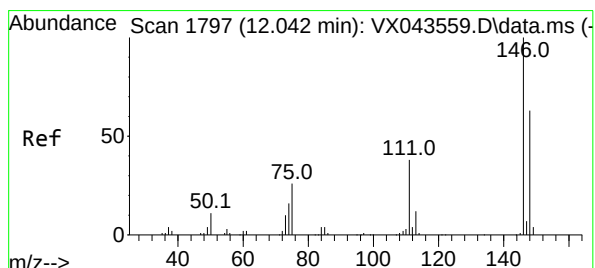
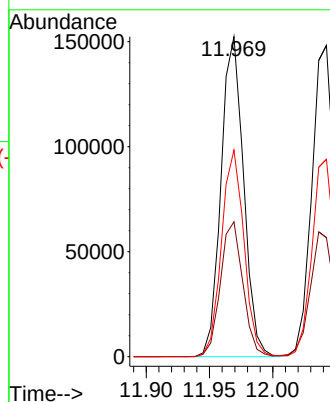
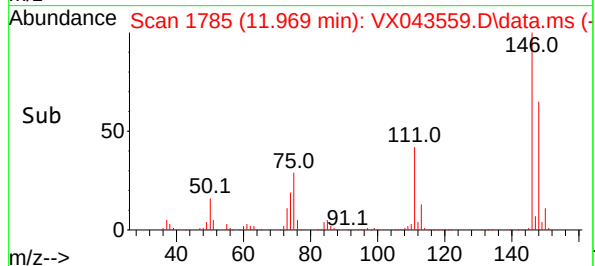
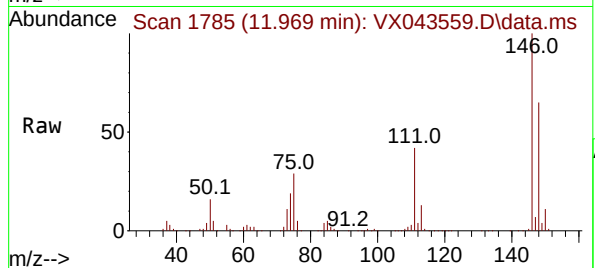
148 64.3 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#88

1,4-Dichlorobenzene

Concen: 50.095 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

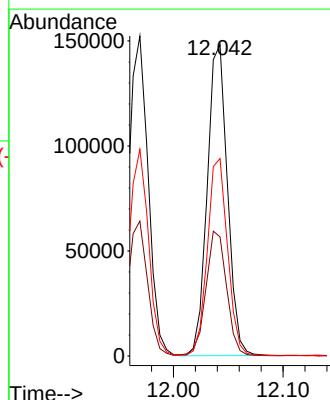
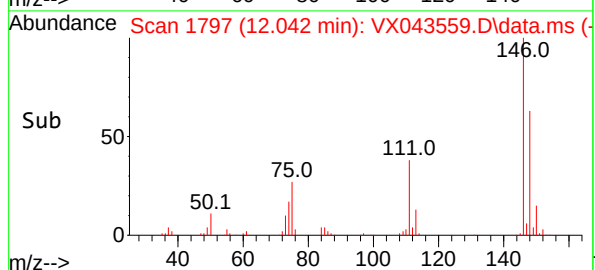
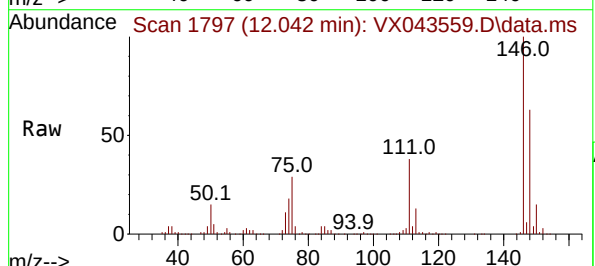
Tgt Ion:146 Resp: 189658

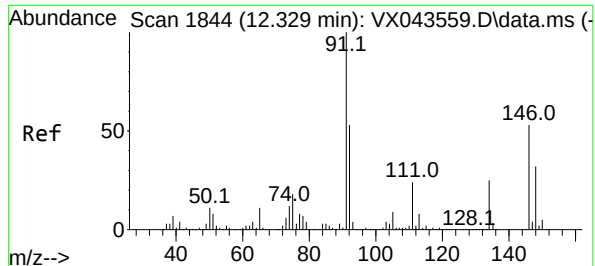
Ion Ratio Lower Upper

146 100

111 41.0 20.4 61.3

148 63.7 31.9 95.9





#89

n-Butylbenzene

Concen: 55.523 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 29984

Ion Ratio Lower Upper

91 100

92 54.2 27.1 81.2

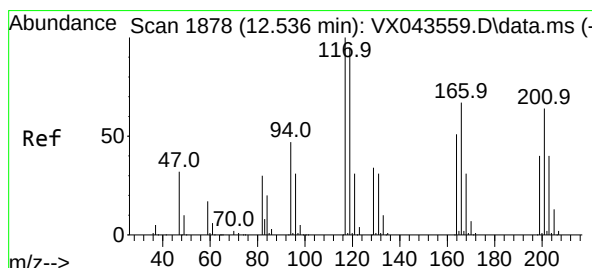
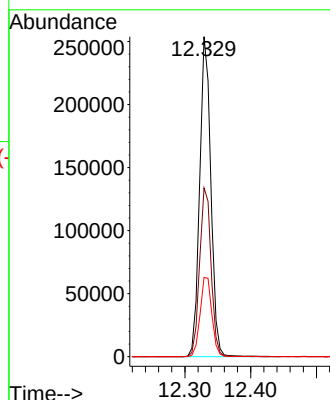
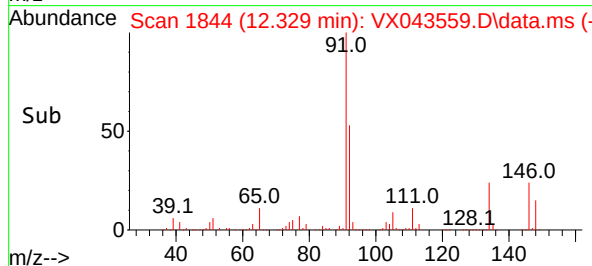
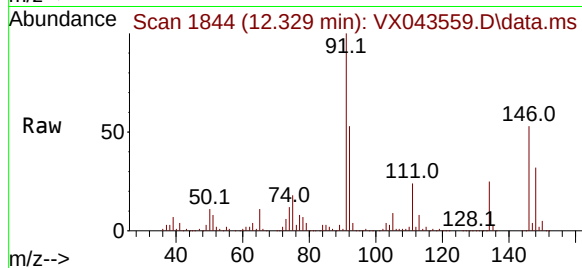
134 26.1 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#90

Hexachloroethane

Concen: 55.265 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043559.D

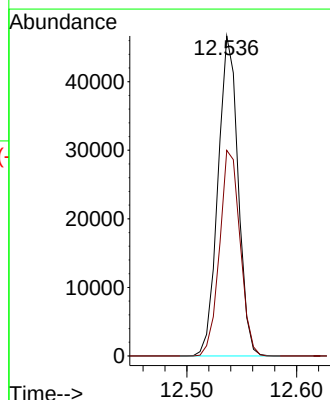
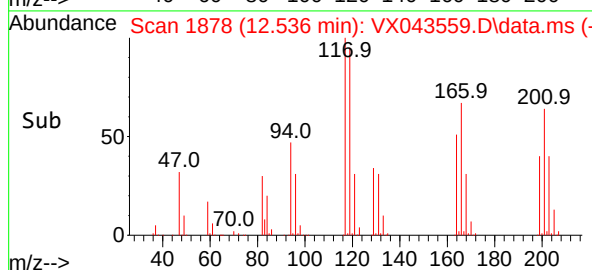
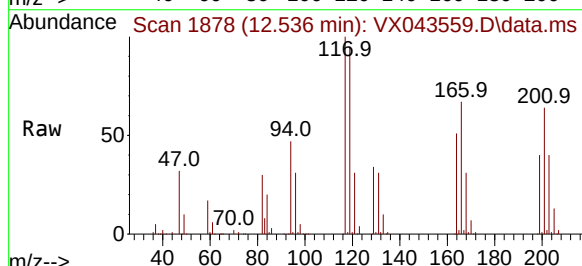
Acq: 28 Oct 2024 12:08

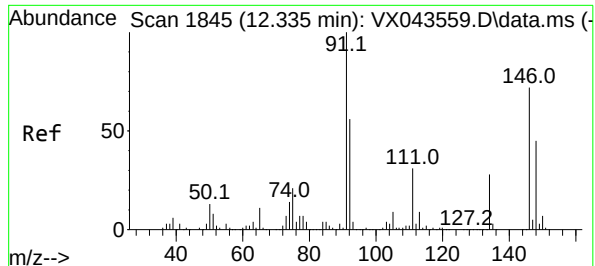
Tgt Ion:117 Resp: 59554

Ion Ratio Lower Upper

117 100

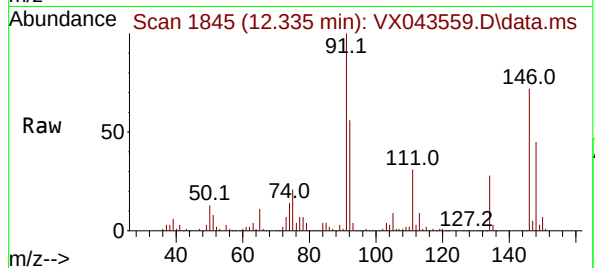
201 65.6 32.9 98.7





#91
1,2-Dichlorobenzene
Concen: 51.130 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

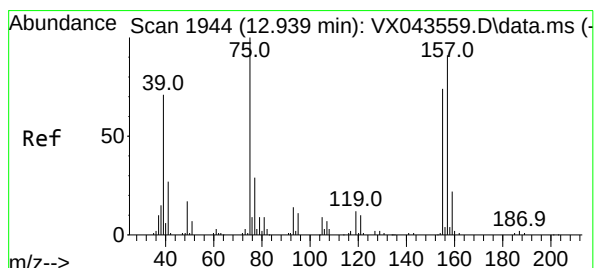
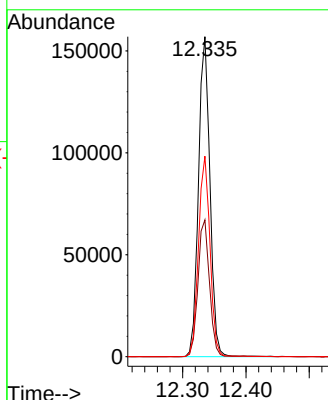
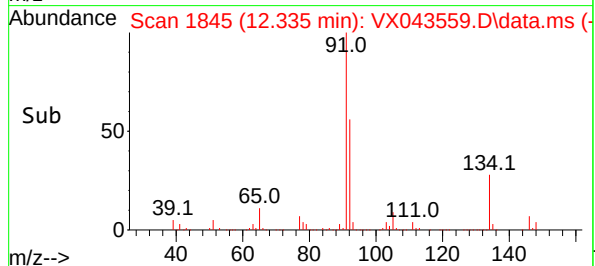
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:146 Resp: 198010
Ion Ratio Lower Upper
146 100
111 43.0 21.6 64.6
148 62.9 31.6 95.0

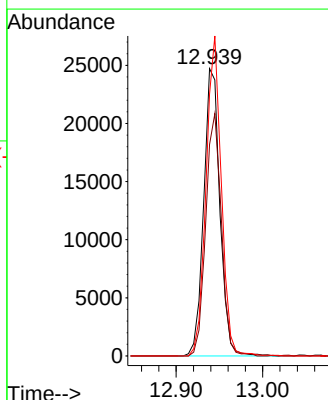
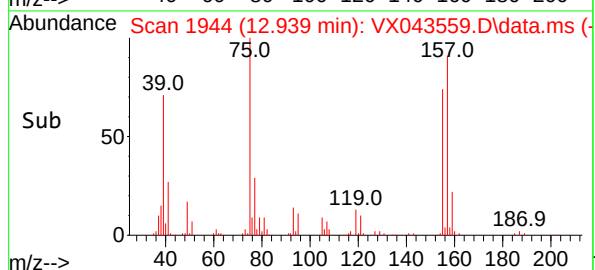
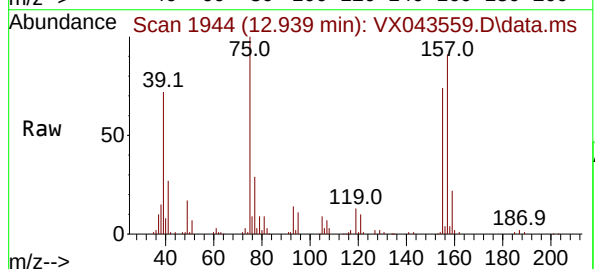
Manual Integrations
APPROVED

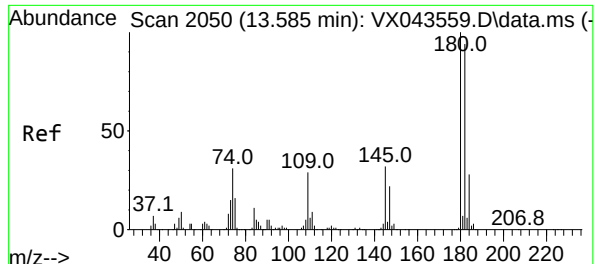
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.159 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 75 Resp: 32185
Ion Ratio Lower Upper
75 100
155 81.2 40.1 120.3
157 104.8 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 54.653 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 123940

Ion Ratio Lower Upper

180 100

182 93.2 46.8 140.4

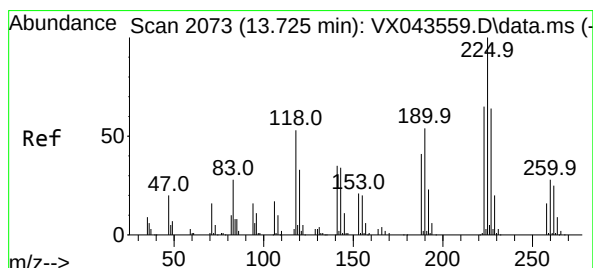
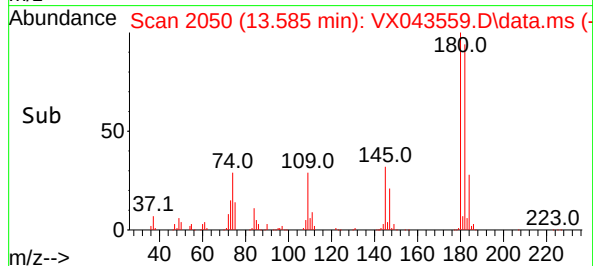
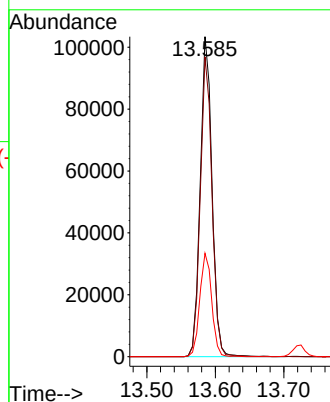
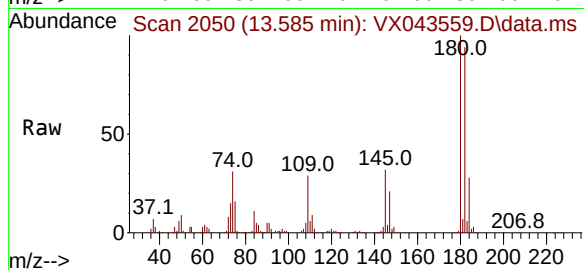
145 32.6 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#94

Hexachlorobutadiene

Concen: 53.286 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX043559.D

Acq: 28 Oct 2024 12:08

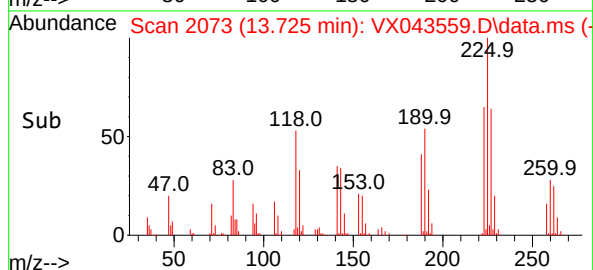
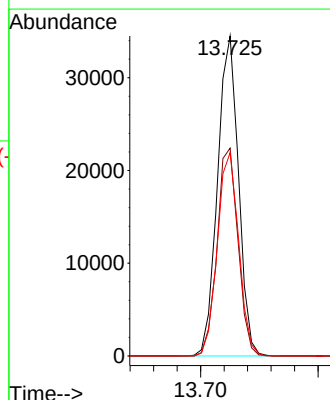
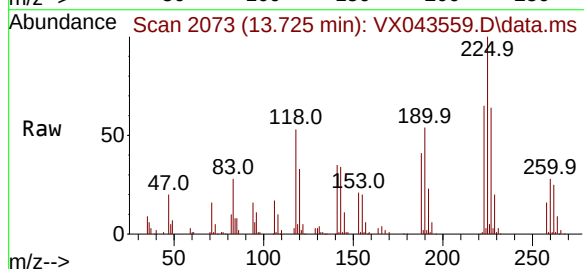
Tgt Ion:225 Resp: 42766

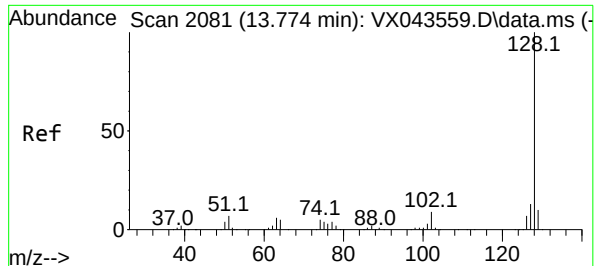
Ion Ratio Lower Upper

225 100

223 64.8 30.8 92.4

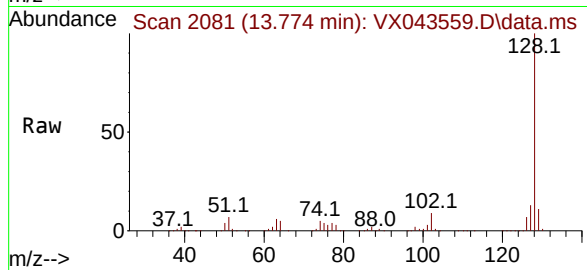
227 64.5 31.6 94.8





#95
Naphthalene
Concen: 50.857 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

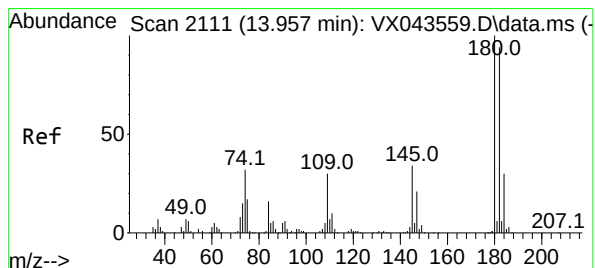
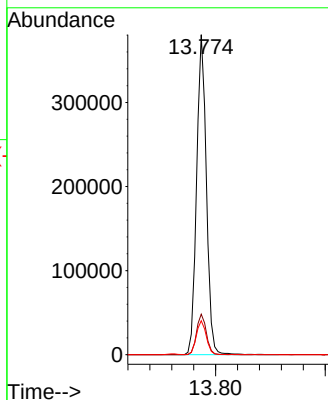
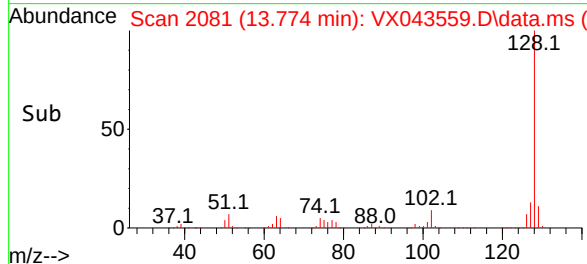
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 473262
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.7 13.1

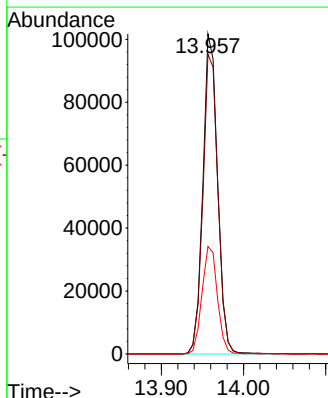
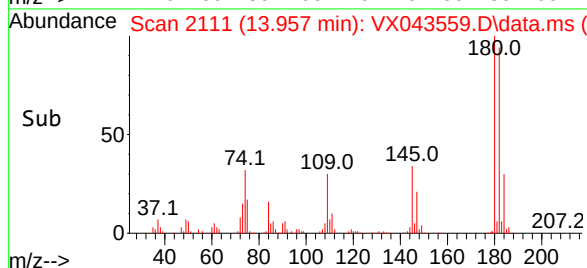
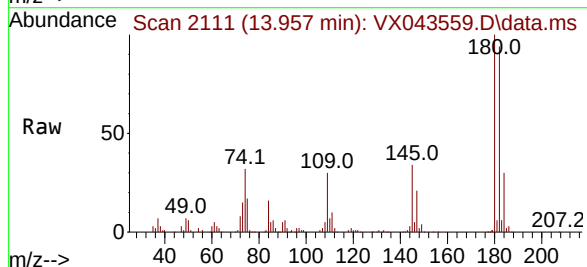
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 53.229 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:180 Resp: 126296
Ion Ratio Lower Upper
180 100
182 95.7 47.1 141.3
145 35.2 17.4 52.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043560.D
 Acq On : 28 Oct 2024 12:31
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/29/2024
 Supervised By : Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	144332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	265513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	222471	97.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 194.340%#			
35) Dibromofluoromethane	5.379	113	181437	102.625	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 205.240%#			
50) Toluene-d8	8.647	98	615421	100.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.780%#			
62) 4-Bromofluorobenzene	11.079	95	233193	104.146	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 208.300%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	150686	93.662	ug/l	95
3) Chloromethane	1.294	50	191165	93.138	ug/l	99
4) Vinyl Chloride	1.374	62	185746	99.351	ug/l	99
5) Bromomethane	1.593	94	75100	102.844	ug/l	99
6) Chloroethane	1.660	64	62560	102.264	ug/l	97
7) Trichlorofluoromethane	1.861	101	244340	99.580	ug/l	99
8) Diethyl Ether	2.136	74	109025	101.725	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	155594	100.462	ug/l	98
10) Methyl Iodide	2.440	142	227894	106.257	ug/l	99
11) Tert butyl alcohol	3.038	59	245468	501.973	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	160565	105.446	ug/l	96
13) Acrolein	2.239	56	168697	437.793	ug/l	99
14) Allyl chloride	2.654	41	289621	107.186	ug/l	97
15) Acrylonitrile	3.068	53	518888	479.012	ug/l	100
16) Acetone	2.392	43	452601	463.114	ug/l	100
17) Carbon Disulfide	2.495	76	378228	120.001	ug/l	100
18) Methyl Acetate	2.709	43	272708	92.847	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	602114	101.628	ug/l	99
20) Methylene Chloride	2.782	84	191848	100.449	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	171404	103.973	ug/l	97
22) Diisopropyl ether	3.763	45	560616	100.525	ug/l	94
23) Vinyl Acetate	3.721	43	2462441	534.476	ug/l	98
24) 1,1-Dichloroethane	3.605	63	327525	104.117	ug/l	99
25) 2-Butanone	4.562	43	698547	470.613	ug/l	98
26) 2,2-Dichloropropane	4.471	77	267036	117.781	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	215682	105.006	ug/l	99
28) Bromochloromethane	4.897	49	157450	101.175	ug/l	99
29) Tetrahydrofuran	5.013	42	449999	464.302	ug/l	99
30) Chloroform	5.092	83	336574	100.052	ug/l	98
31) Cyclohexane	5.458	56	247431	99.138	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	294454	104.159	ug/l	99
36) 1,1-Dichloropropene	5.684	75	212326	101.472	ug/l	98
37) Ethyl Acetate	4.714	43	266903	93.461	ug/l	99
38) Carbon Tetrachloride	5.672	117	246999	103.882	ug/l	100
39) Methylcyclohexane	7.373	83	272092	101.398	ug/l	98
40) Benzene	6.031	78	707594	101.161	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043560.D
 Acq On : 28 Oct 2024 12:31
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/29/2024
 Supervised By : Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	143117	99.633	ug/l	96
42) 1,2-Dichloroethane	6.086	62	259548	100.874	ug/l	100
43) Isopropyl Acetate	6.342	43	448588	99.301	ug/l	99
44) Trichloroethene	7.123	130	180958	109.118	ug/l	96
45) 1,2-Dichloropropane	7.427	63	176748	103.475	ug/l	99
46) Dibromomethane	7.580	93	138874	105.836	ug/l	99
47) Bromodichloromethane	7.818	83	262652	112.832	ug/l	97
48) Methyl methacrylate	7.696	41	218800	103.744	ug/l	99
49) 1,4-Dioxane	7.677	88	102152	1885.231	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	1374233	480.107	ug/l	99
52) Toluene	8.714	92	441311	102.334	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	279431	118.617	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	297464	114.982	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	183182	100.657	ug/l	99
56) Ethyl methacrylate	9.116	69	312479	106.248	ug/l	96
57) 1,3-Dichloropropane	9.305	76	305650	101.720	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	741765	512.729	ug/l	98
59) 2-Hexanone	9.433	43	1039956	480.496	ug/l	98
60) Dibromochloromethane	9.518	129	205615	120.749	ug/l	99
61) 1,2-Dibromoethane	9.610	107	196009	106.844	ug/l	97
64) Tetrachloroethene	9.269	164	142187	98.420	ug/l	99
65) Chlorobenzene	10.079	112	498984	103.935	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	175902	108.478	ug/l	99
67) Ethyl Benzene	10.195	91	828264	103.708	ug/l	100
68) m/p-Xylenes	10.299	106	638308	210.954	ug/l	97
69) o-Xylene	10.640	106	322030	103.533	ug/l	98
70) Styrene	10.652	104	548708	108.997	ug/l	99
71) Bromoform	10.799	173	140298	128.340	ug/l #	99
73) Isopropylbenzene	10.963	105	796019	99.313	ug/l	100
74) N-amyl acetate	10.841	43	398918	98.808	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	286258	93.228	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	233884m	89.719	ug/l	
77) Bromobenzene	11.195	156	206774	101.054	ug/l	99
78) n-propylbenzene	11.305	91	894162	104.676	ug/l	99
79) 2-Chlorotoluene	11.366	91	560554	97.800	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	669305	100.572	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	100171	117.256	ug/l	90
82) 4-Chlorotoluene	11.451	91	647524	102.085	ug/l	98
83) tert-Butylbenzene	11.713	119	688015	101.376	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	684269	100.532	ug/l	99
85) sec-Butylbenzene	11.890	105	808247	102.828	ug/l	98
86) p-Isopropyltoluene	12.006	119	703703	108.063	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	370986	101.044	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	371529	100.386	ug/l	99
89) n-Butylbenzene	12.329	91	602601	114.147	ug/l	99
90) Hexachloroethane	12.536	117	125658	119.283	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	375640	99.223	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	65340	100.012	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	246552	111.215	ug/l	100
94) Hexachlorobutadiene	13.725	225	87749	111.843	ug/l	98
95) Naphthalene	13.774	128	948508	104.267	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	256915	110.764	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

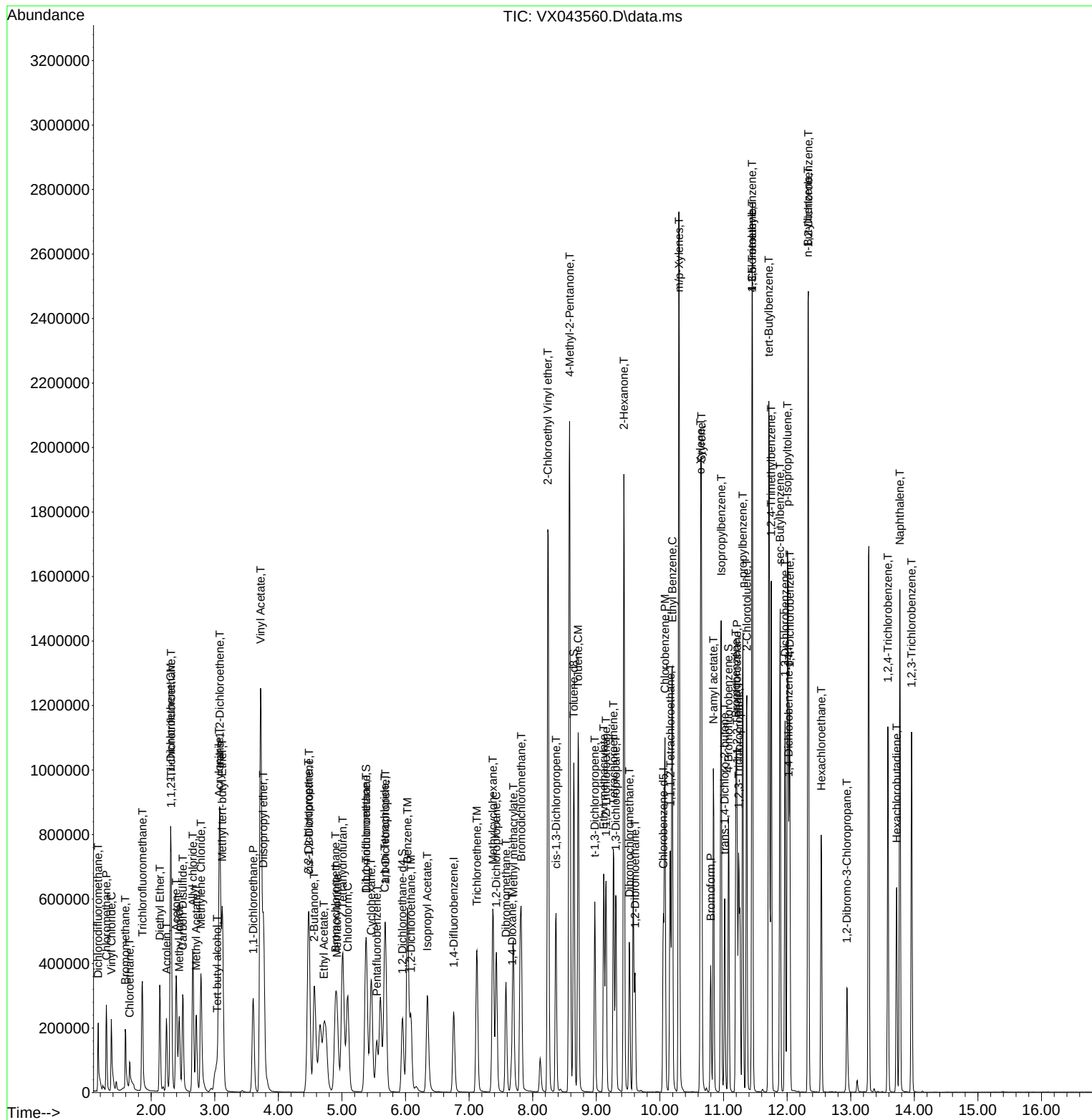
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

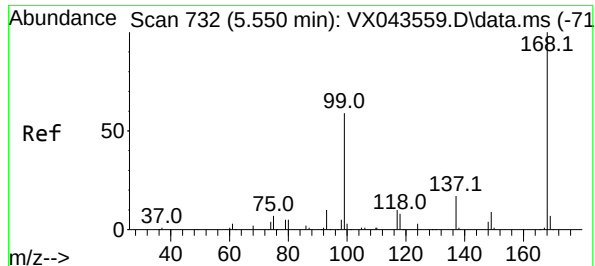
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration





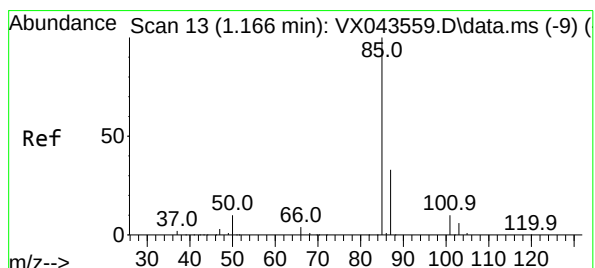
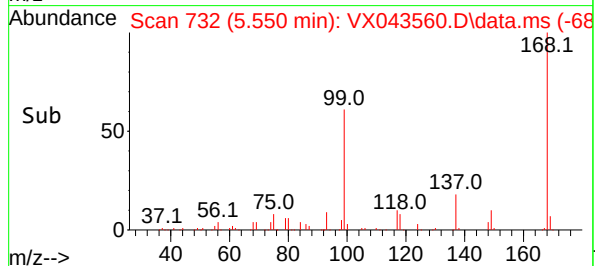
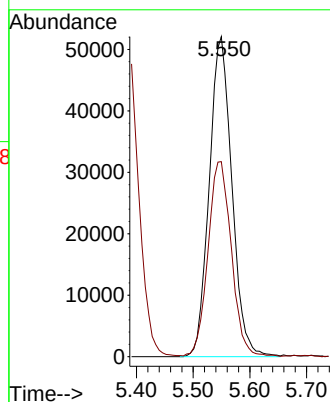
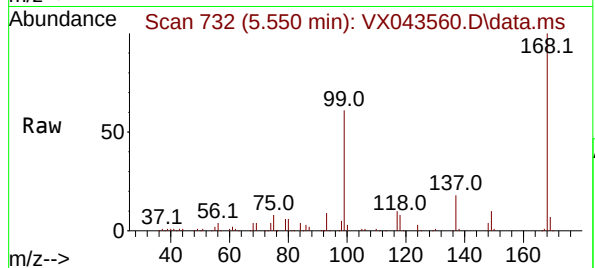
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:168 Resp: 14433
Ion Ratio Lower Upper
168 100
99 60.8 52.6 78.8

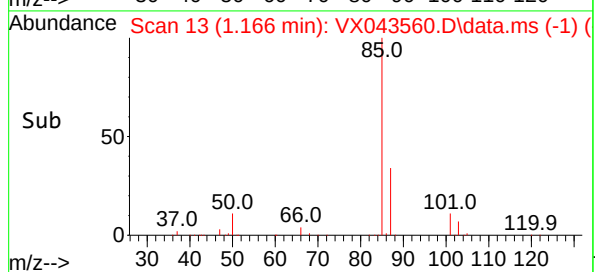
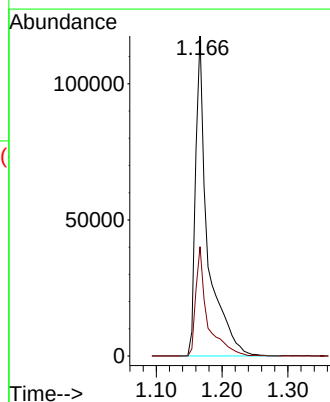
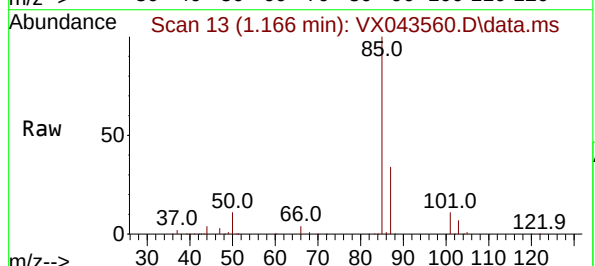
Manual Integrations
APPROVED

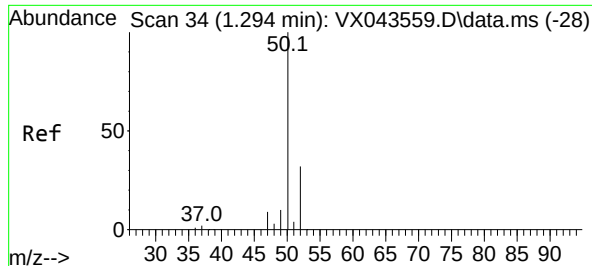
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#2
Dichlorodifluoromethane
Concen: 93.662 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 85 Resp: 150686
Ion Ratio Lower Upper
85 100
87 34.2 15.7 47.0





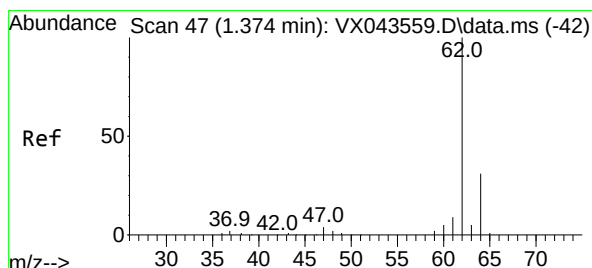
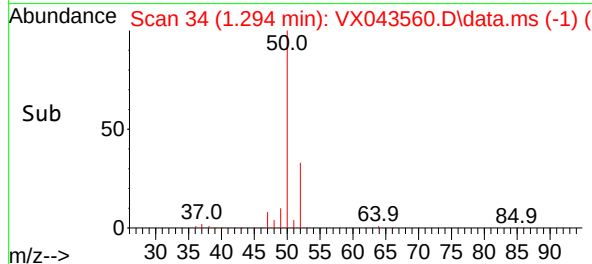
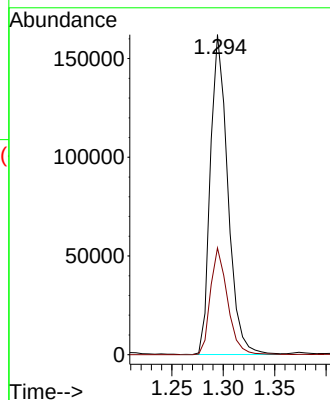
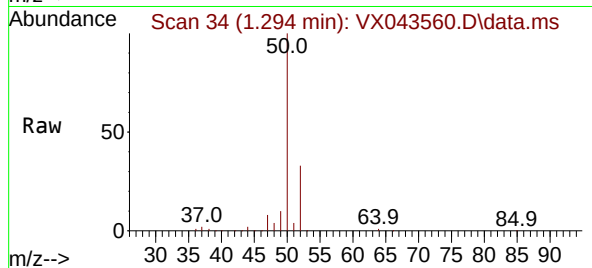
#3
Chloromethane
Concen: 93.138 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 19116
Ion Ratio Lower Upper
50 100
52 33.4 26.3 39.5

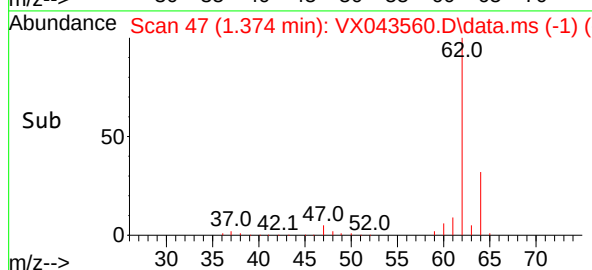
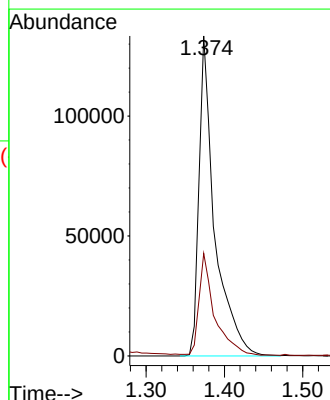
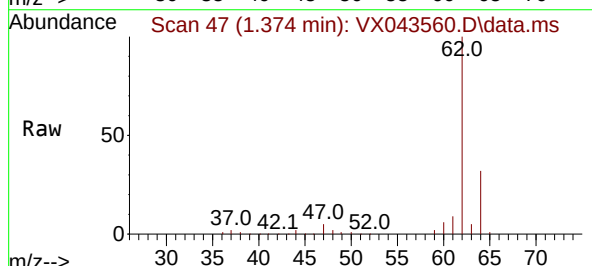
Manual Integrations
APPROVED

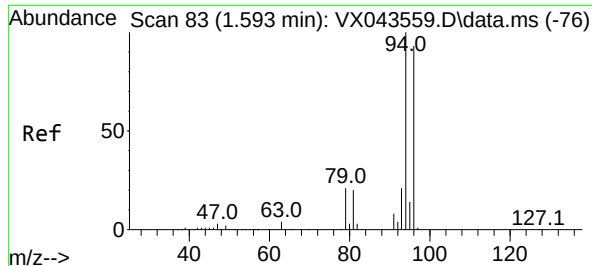
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#4
Vinyl Chloride
Concen: 99.351 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 62 Resp: 185746
Ion Ratio Lower Upper
62 100
64 31.8 25.0 37.4





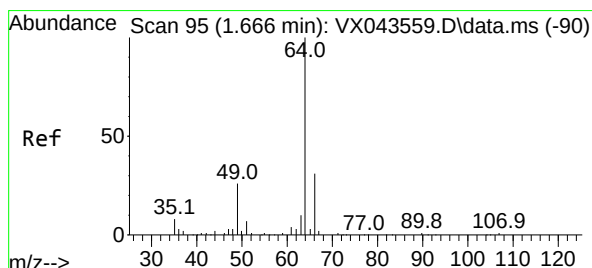
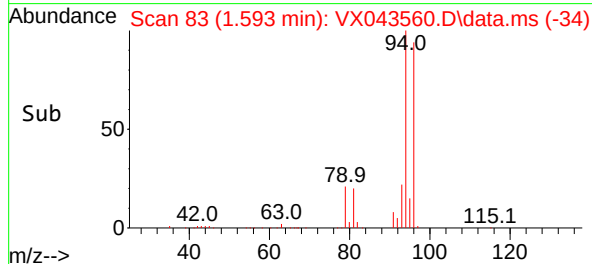
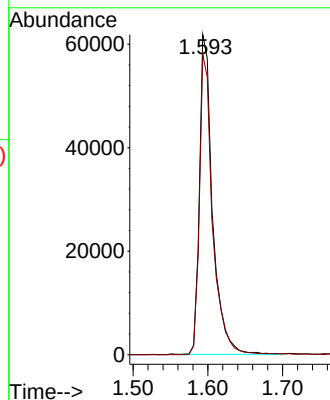
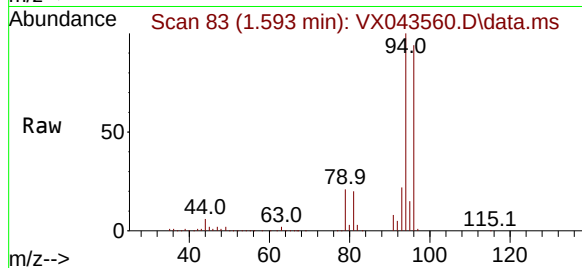
#5
Bromomethane
Concen: 102.844 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 75100
Ion Ratio Lower Upper
94 100
96 93.9 75.9 113.9

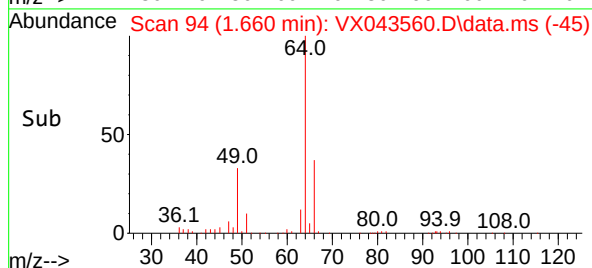
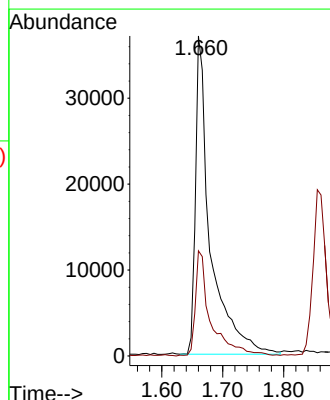
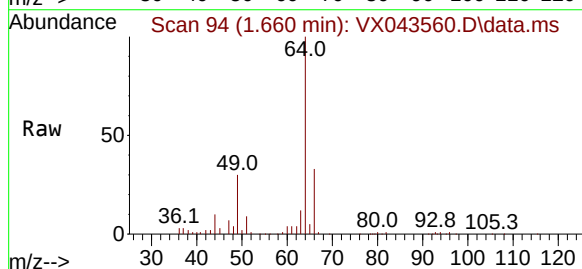
Manual Integrations
APPROVED

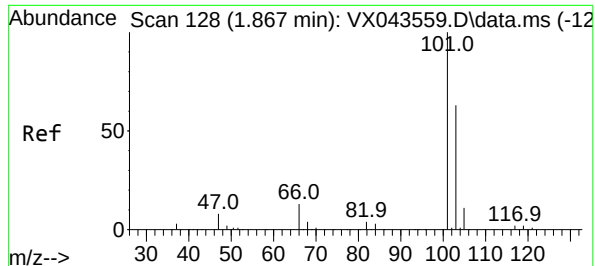
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#6
Chloroethane
Concen: 102.264 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

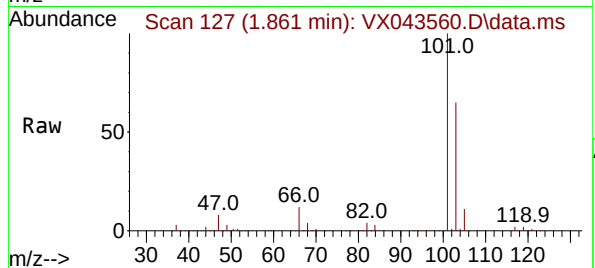
Tgt Ion: 64 Resp: 62560
Ion Ratio Lower Upper
64 100
66 32.9 25.1 37.7





#7
Trichlorofluoromethane
Concen: 99.580 ug/l
RT: 1.861 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

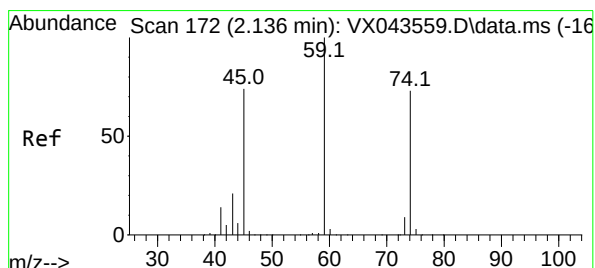
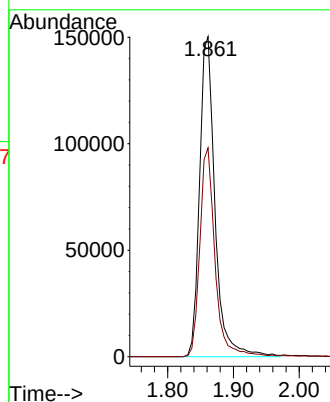
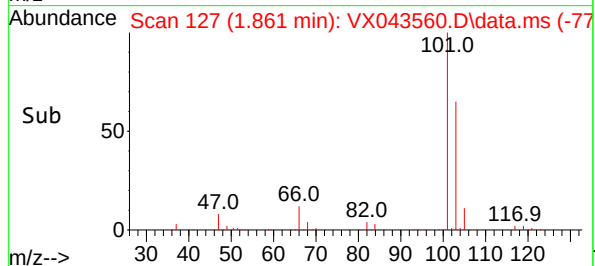
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 244340
Ion Ratio Lower Upper
101 100
103 65.2 51.3 76.9

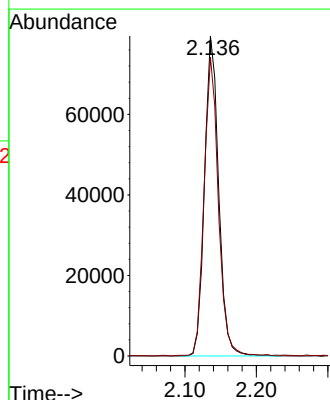
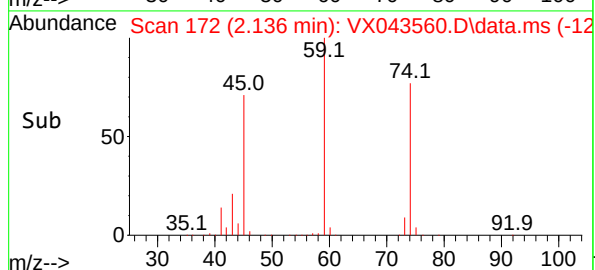
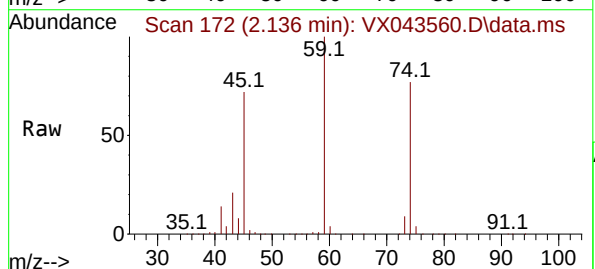
Manual Integrations
APPROVED

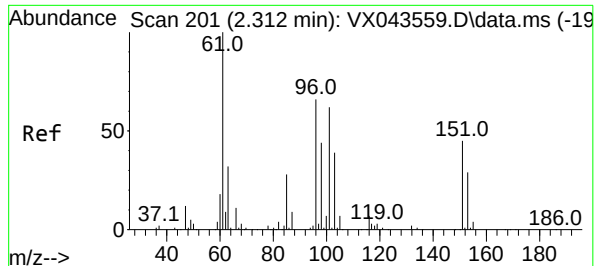
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#8
Diethyl Ether
Concen: 101.725 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 74 Resp: 109025
Ion Ratio Lower Upper
74 100
45 95.2 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.462 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

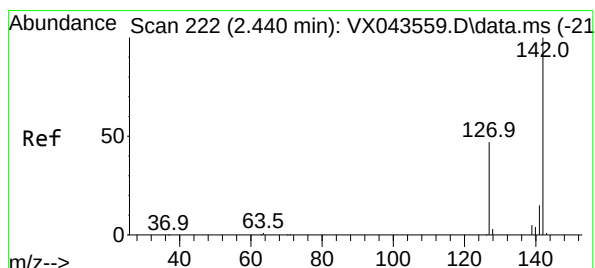
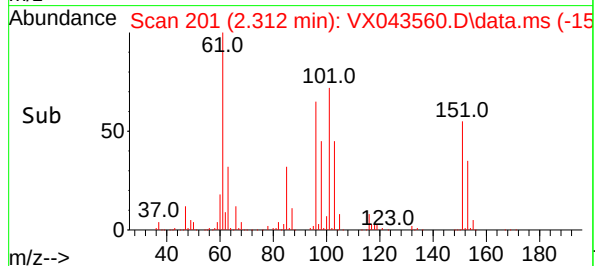
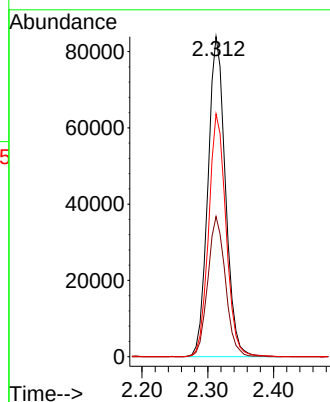
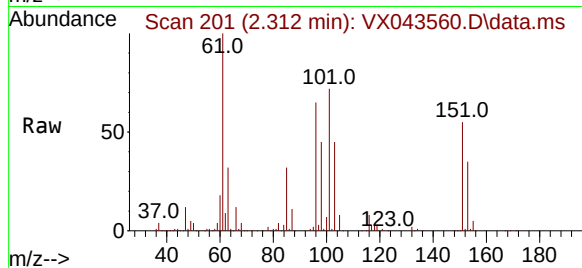
VSTDIC100

Tgt Ion:101	Resp:	155594
Ion	Ratio	Lower Upper
101	100	
85	44.0	34.5 51.7
151	75.3	58.2 87.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#10

Methyl Iodide

Concen: 106.257 ug/l

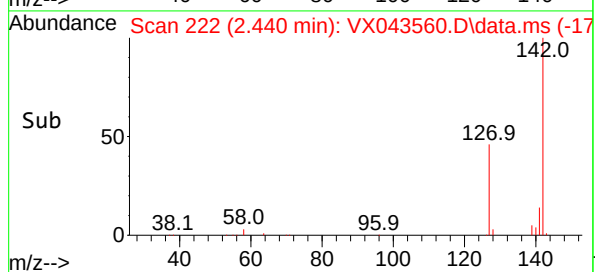
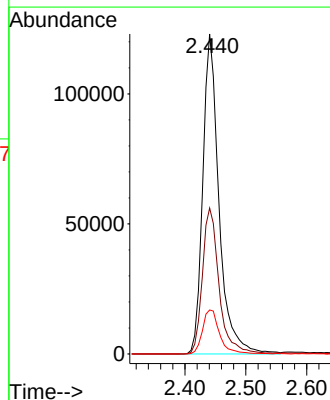
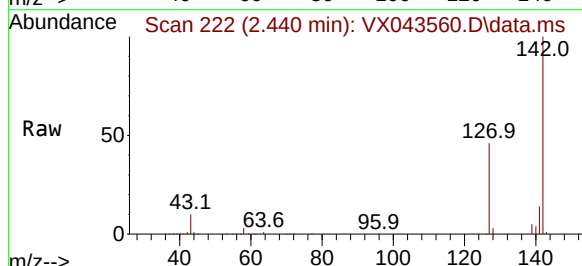
RT: 2.440 min Scan# 222

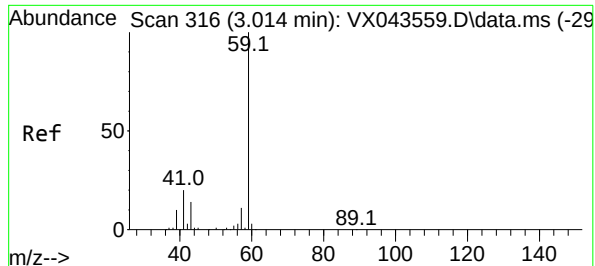
Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Tgt Ion:142	Resp:	227894
Ion	Ratio	Lower Upper
142	100	
127	46.9	38.2 57.4
141	14.6	11.5 17.3





#11

Tert butyl alcohol

Concen: 501.973 ug/l

RT: 3.038 min Scan# 316

Delta R.T. -0.012 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 24546

Ion Ratio Lower Upper

59 100

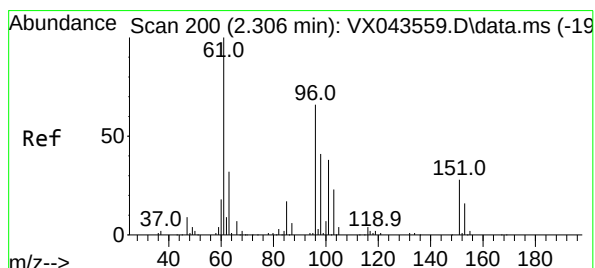
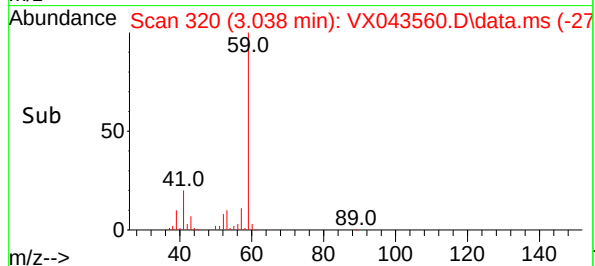
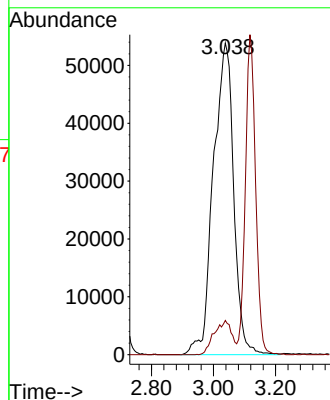
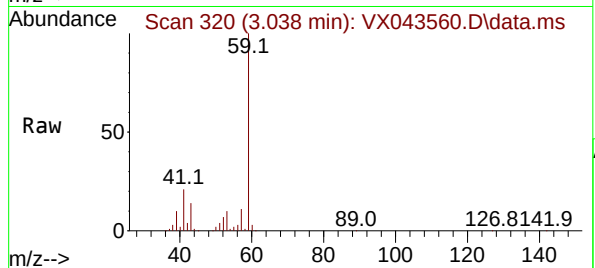
57 9.6 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#12

1,1-Dichloroethene

Concen: 105.446 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

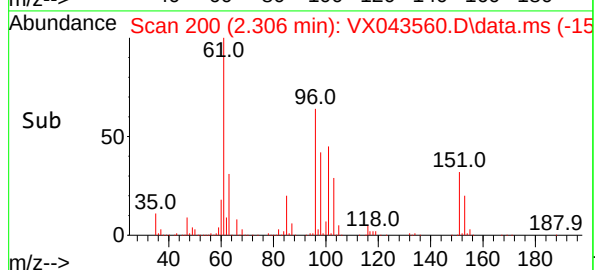
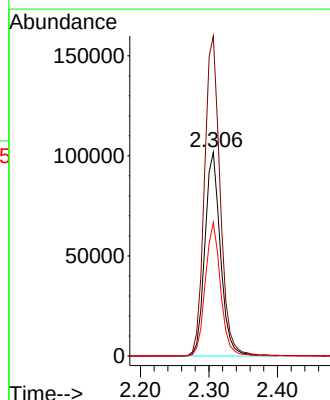
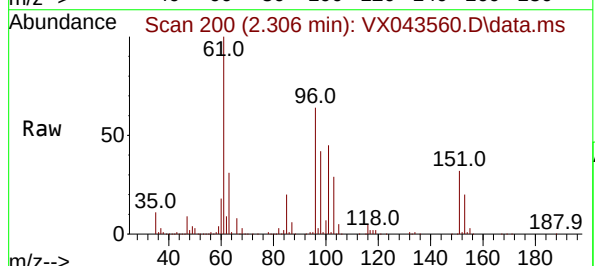
Tgt Ion: 96 Resp: 160565

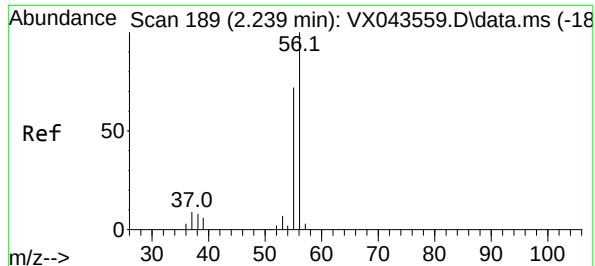
Ion Ratio Lower Upper

96 100

61 157.1 130.2 195.4

98 65.6 51.0 76.6





#13

Acrolein

Concen: 437.793 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 16869

Ion Ratio Lower Upper

56 100

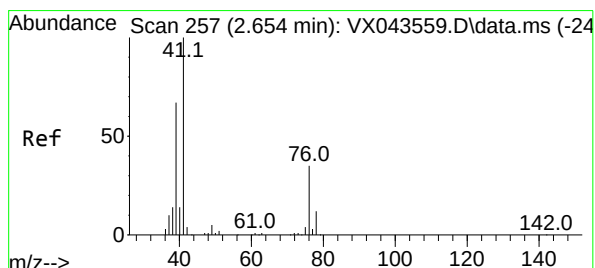
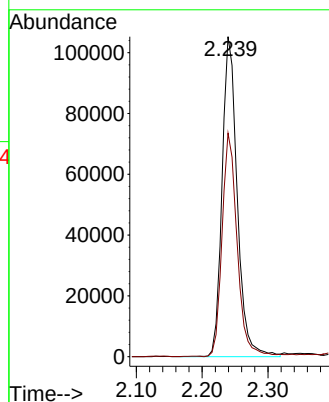
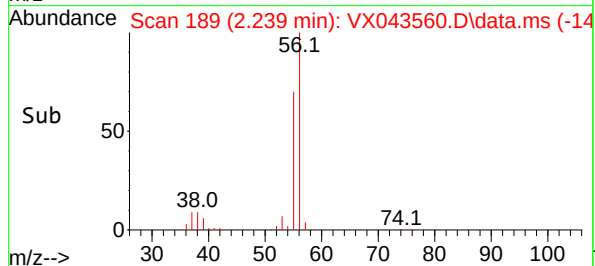
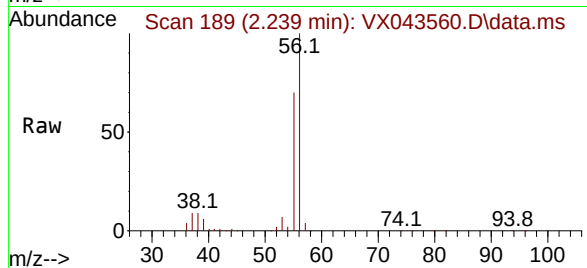
55 69.9 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#14

Allyl chloride

Concen: 107.186 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

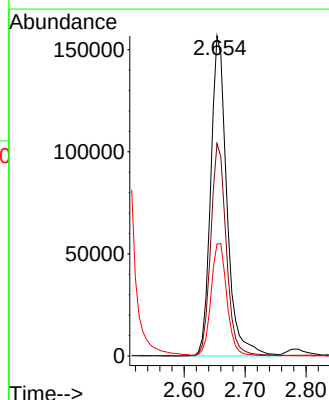
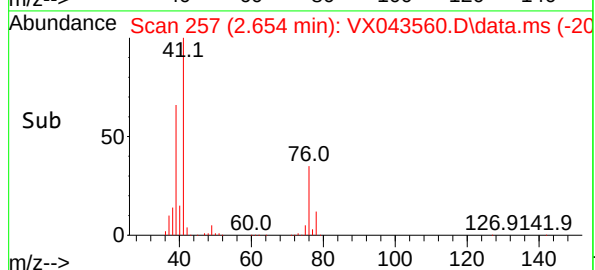
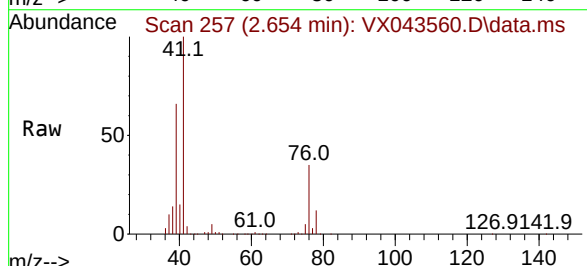
Tgt Ion: 41 Resp: 289621

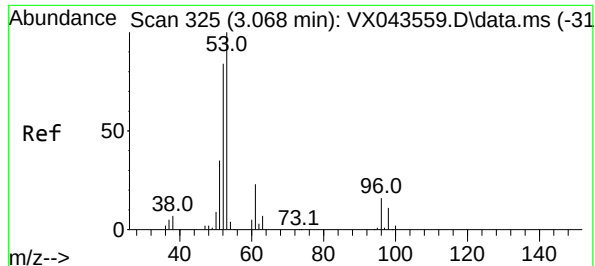
Ion Ratio Lower Upper

41 100

39 63.5 53.2 79.8

76 34.3 27.0 40.6





#15

Acrylonitrile

Concen: 479.012 ug/l

RT: 3.068 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 51888

Ion Ratio Lower Upper

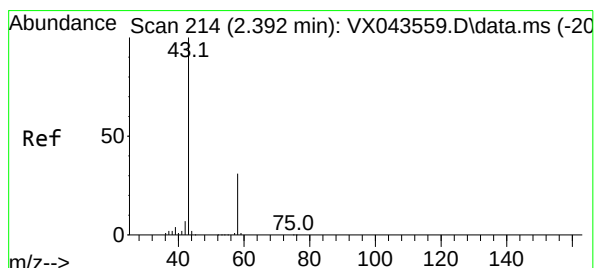
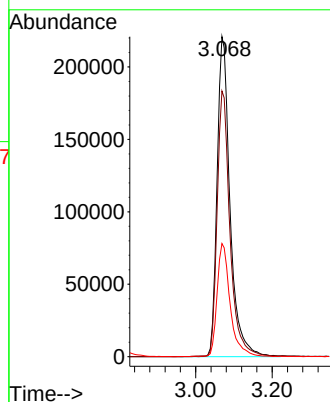
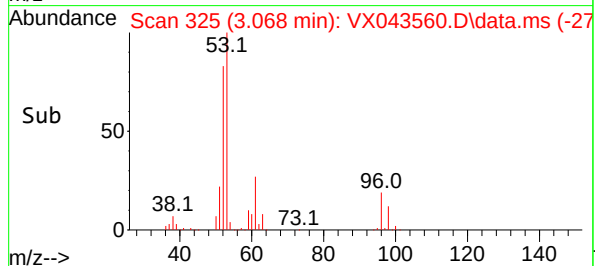
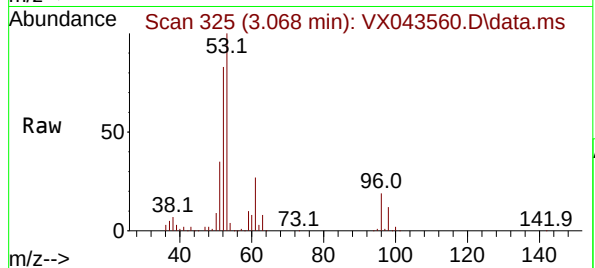
53 100

52 82.3 65.8 98.6

51 35.5 28.5 42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

#16

Acetone

Concen: 463.114 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043560.D

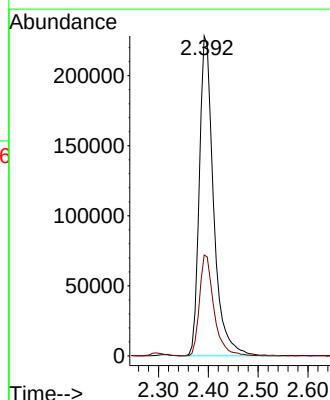
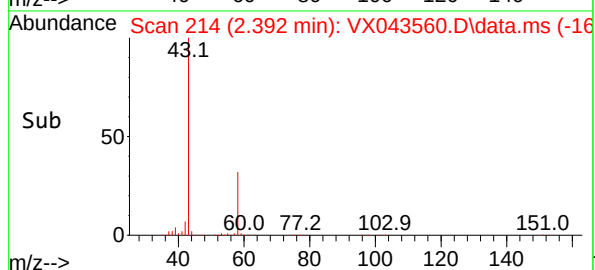
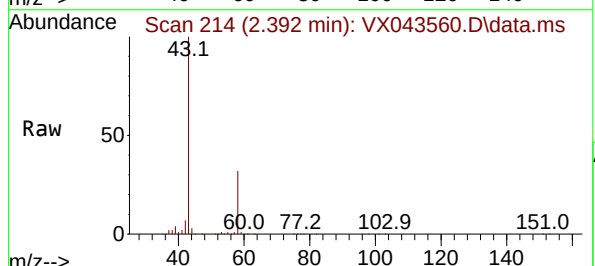
Acq: 28 Oct 2024 12:31

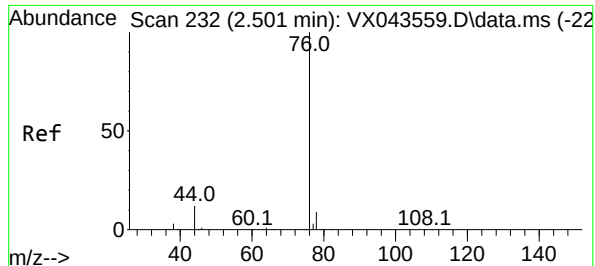
Tgt Ion: 43 Resp: 452601

Ion Ratio Lower Upper

43 100

58 31.5 25.1 37.7





#17

Carbon Disulfide

Concen: 120.001 ug/l

RT: 2.495 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 378228

Ion Ratio Lower Upper

76 100

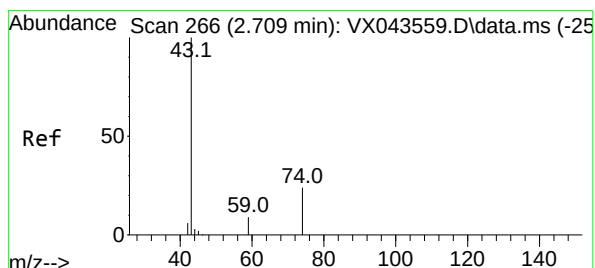
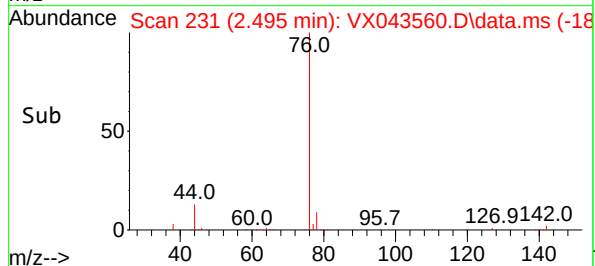
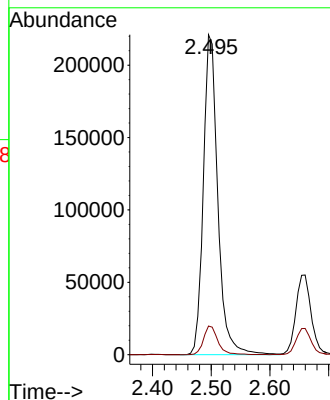
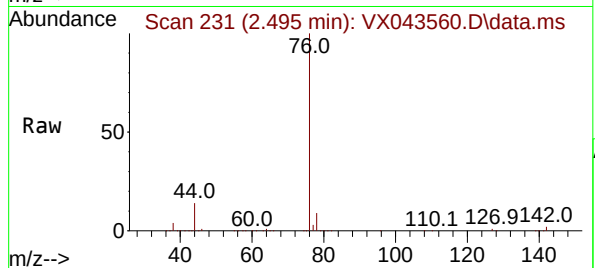
78 9.0 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#18

Methyl Acetate

Concen: 92.847 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX043560.D

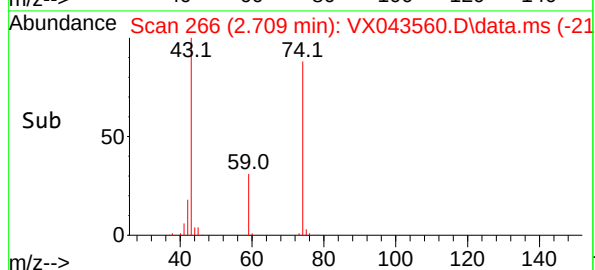
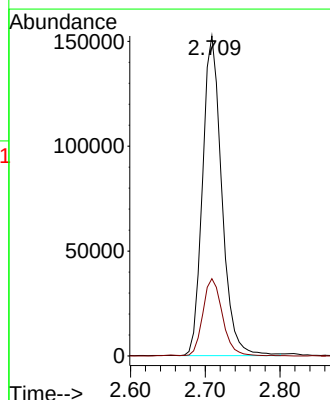
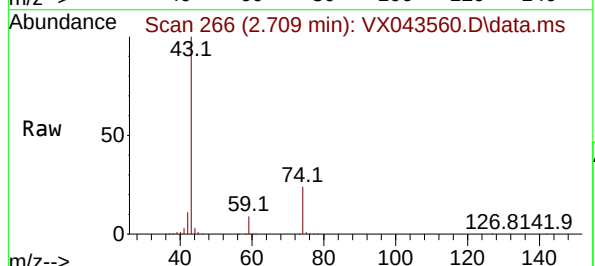
Acq: 28 Oct 2024 12:31

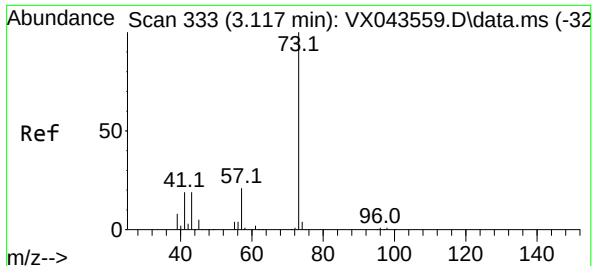
Tgt Ion: 43 Resp: 272708

Ion Ratio Lower Upper

43 100

74 24.8 19.1 28.7





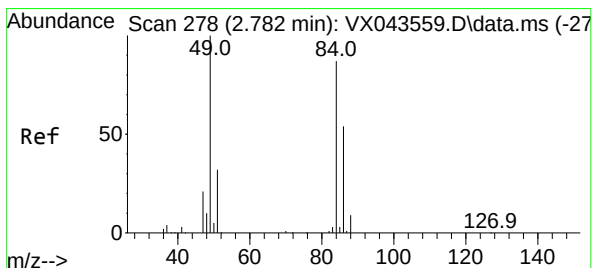
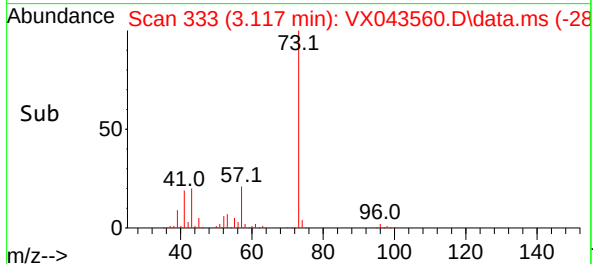
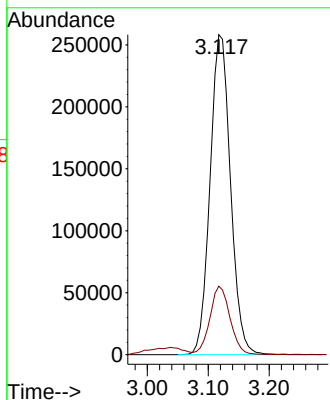
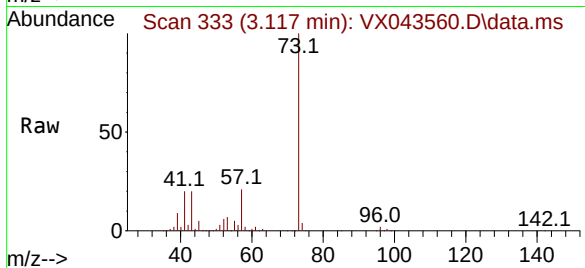
#19
Methyl tert-butyl Ether
Concen: 101.628 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 602114
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5

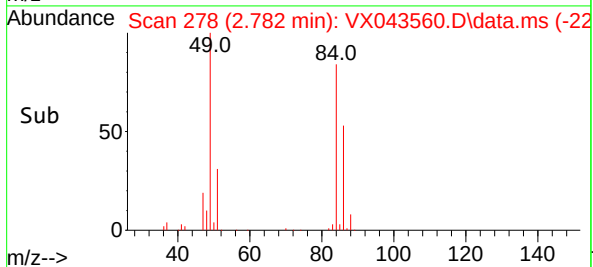
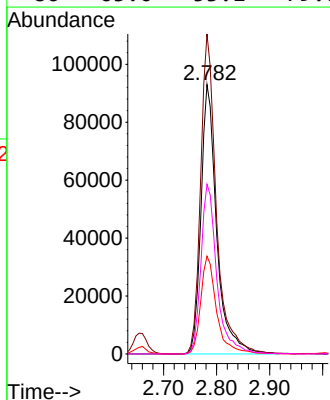
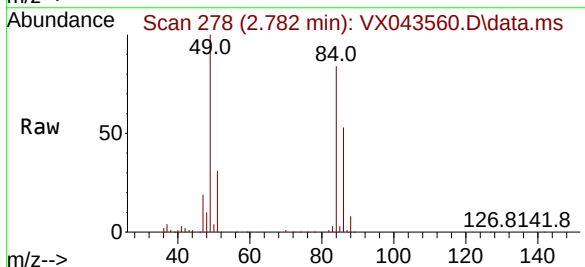
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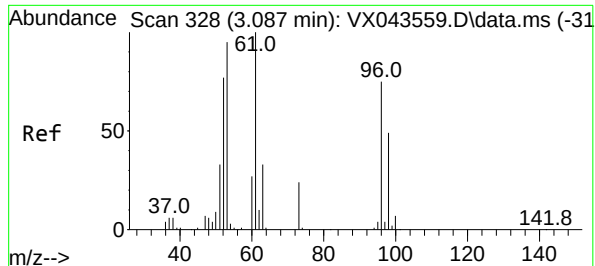
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#20
Methylene Chloride
Concen: 100.449 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 84 Resp: 191848
Ion Ratio Lower Upper
84 100
49 118.8 97.0 145.6
51 36.3 29.8 44.8
86 63.0 53.1 79.7





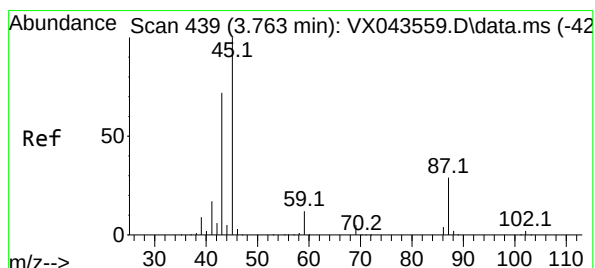
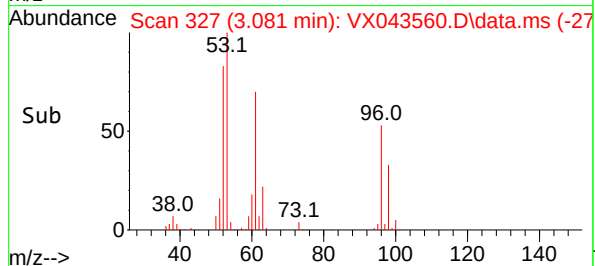
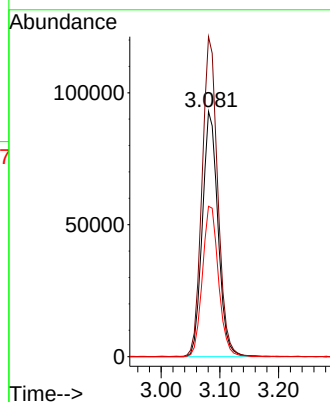
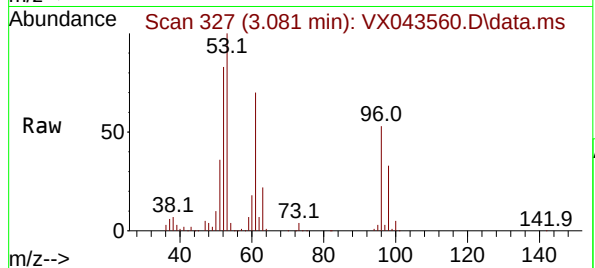
#21
trans-1,2-Dichloroethene
Concen: 103.973 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 171404
Ion Ratio Lower Upper
96 100
61 130.3 107.1 160.7
98 61.3 47.7 71.5

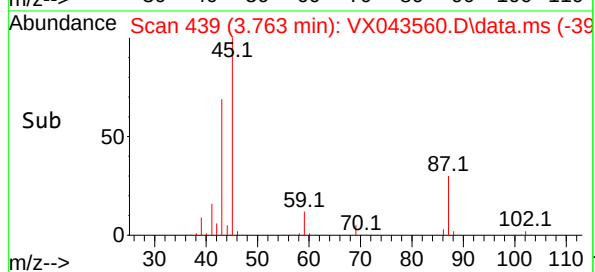
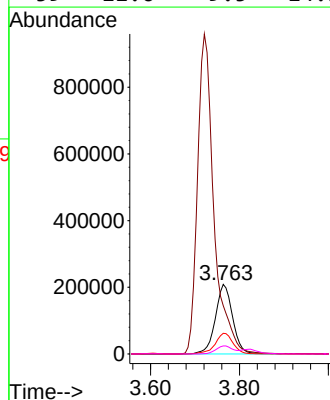
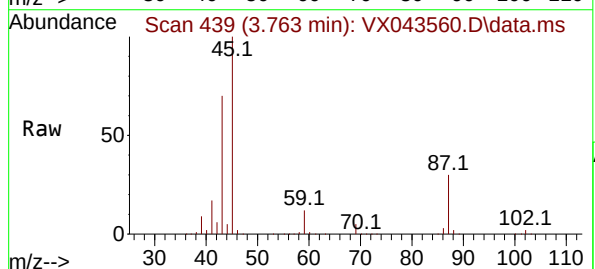
Manual Integrations
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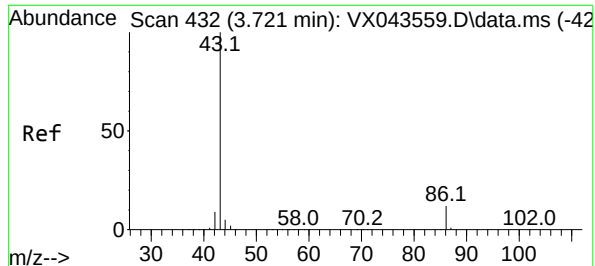
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#22
Diisopropyl ether
Concen: 100.525 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 45 Resp: 560616
Ion Ratio Lower Upper
45 100
43 69.5 60.6 90.8
87 29.7 22.0 33.0
59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 534.476 ug/l

RT: 3.721 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 246244

Ion Ratio Lower Upper

43 100

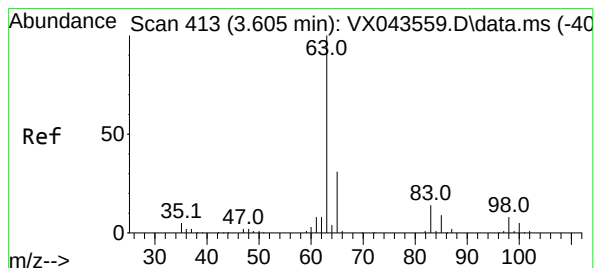
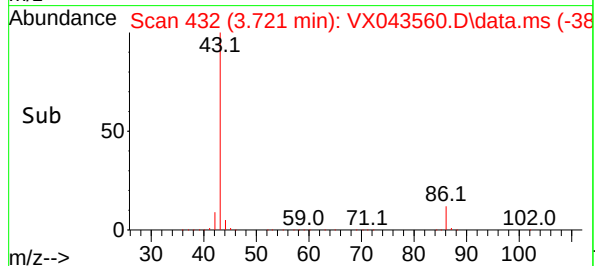
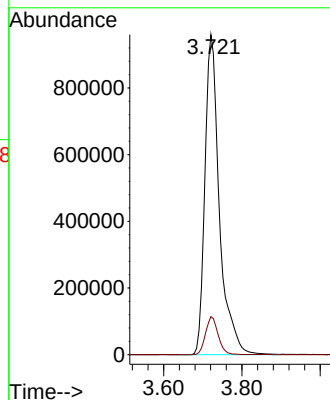
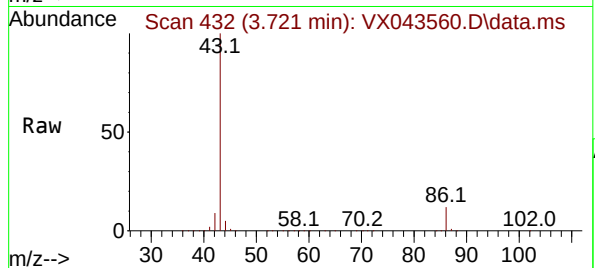
86 11.9 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#24

1,1-Dichloroethane

Concen: 104.117 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

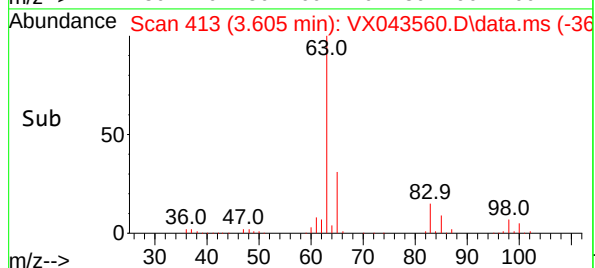
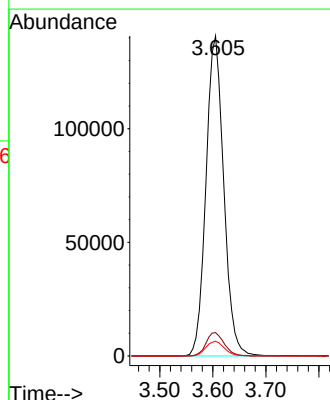
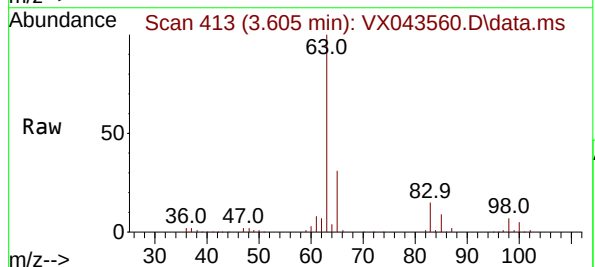
Tgt Ion: 63 Resp: 327525

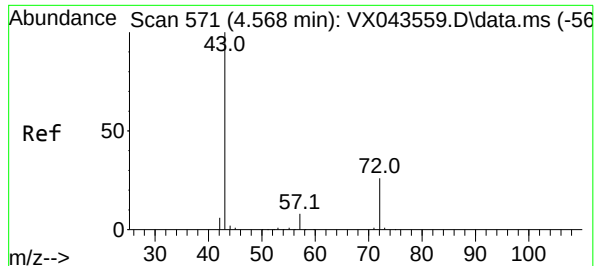
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 470.613 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 69854

Ion Ratio Lower Upper

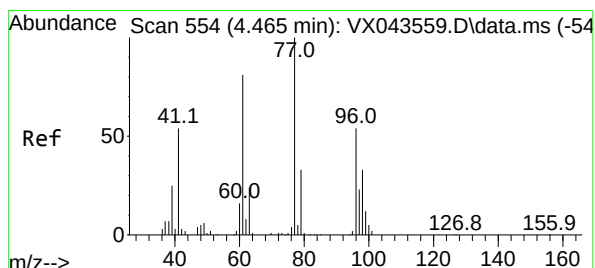
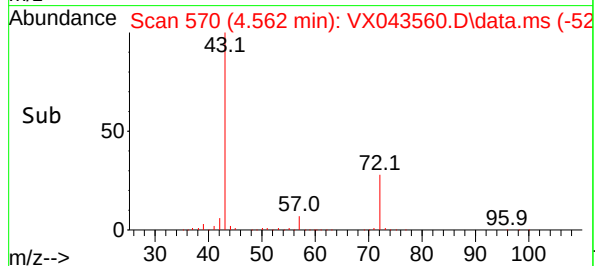
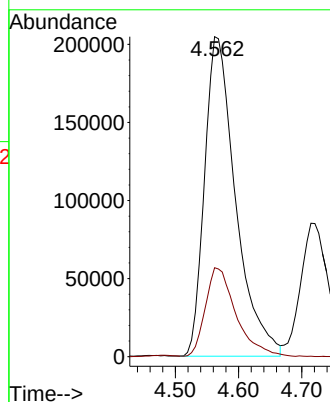
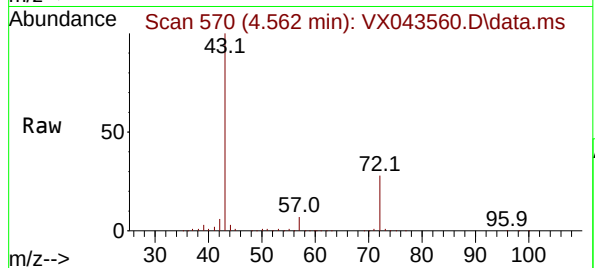
43 100

72 27.6 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#26

2,2-Dichloropropane

Concen: 117.781 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX043560.D

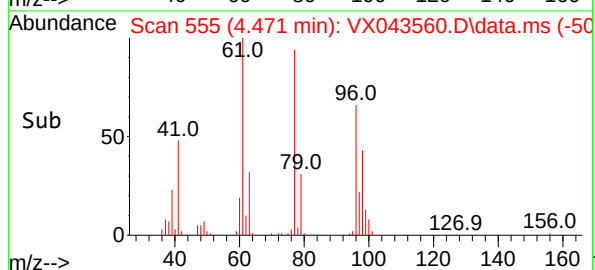
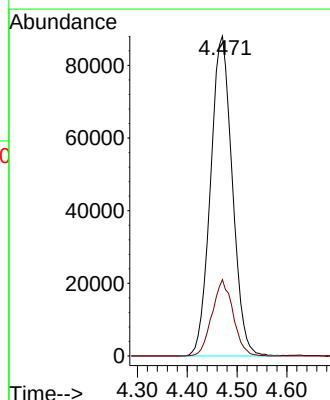
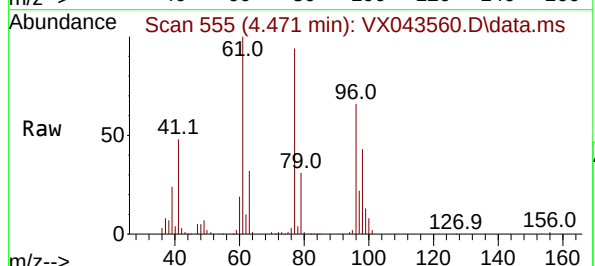
Acq: 28 Oct 2024 12:31

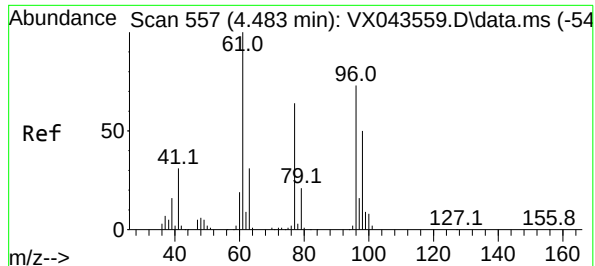
Tgt Ion: 77 Resp: 267036

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 105.006 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 21568

Ion Ratio Lower Upper

96 100

61 139.3 0.0 277.2

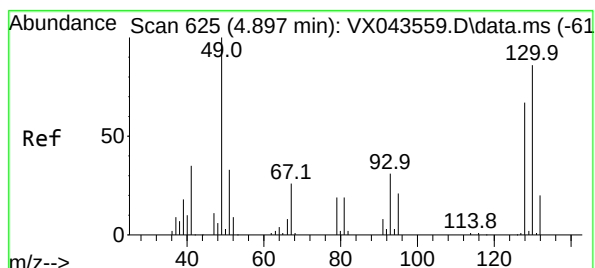
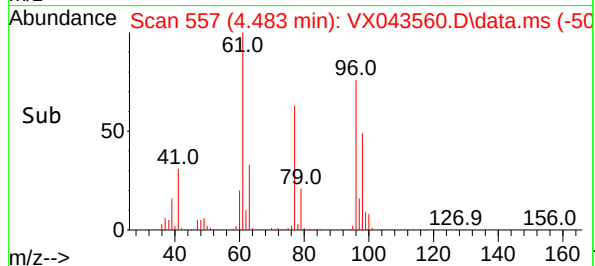
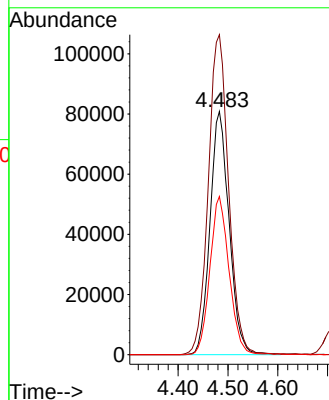
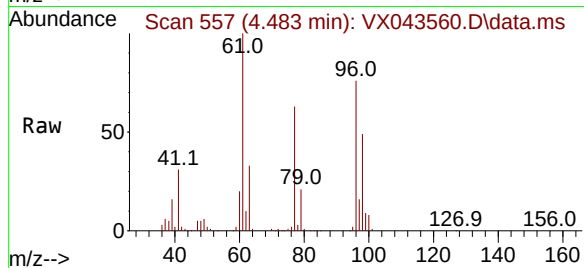
98 64.9 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#28

Bromochloromethane

Concen: 101.175 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

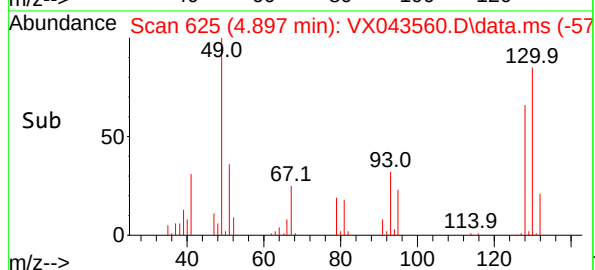
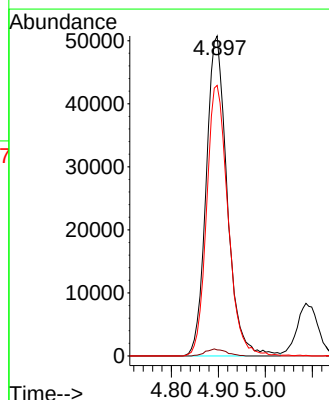
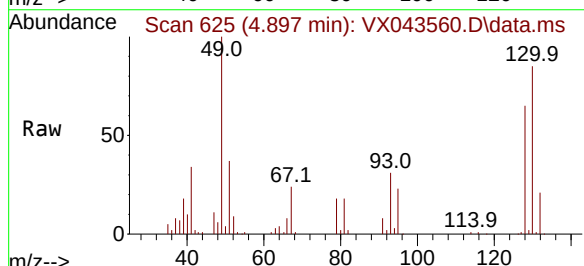
Tgt Ion: 49 Resp: 157450

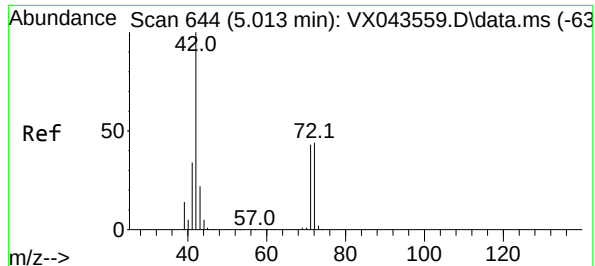
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 86.1 67.8 101.8





#29

Tetrahydrofuran

Concen: 464.302 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 449999

Ion Ratio Lower Upper

42 100

72 46.6 36.6 55.0

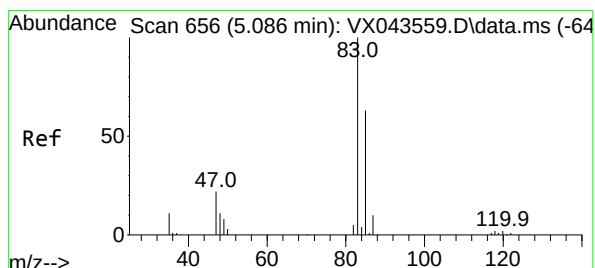
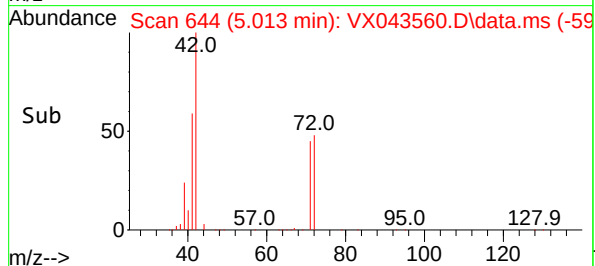
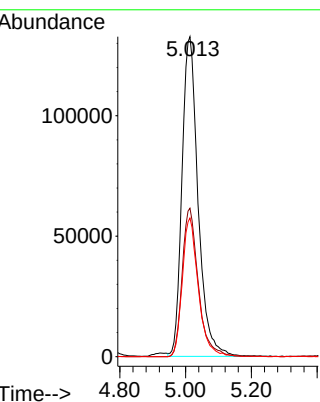
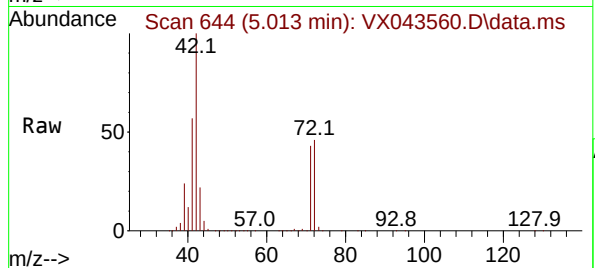
71 43.2 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#30

Chloroform

Concen: 100.052 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX043560.D

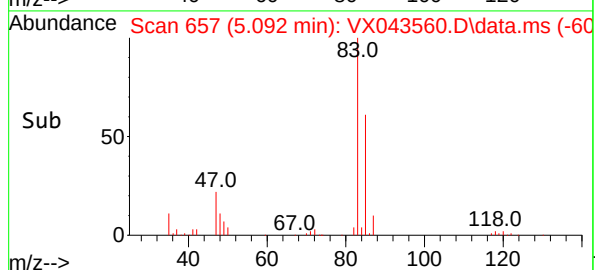
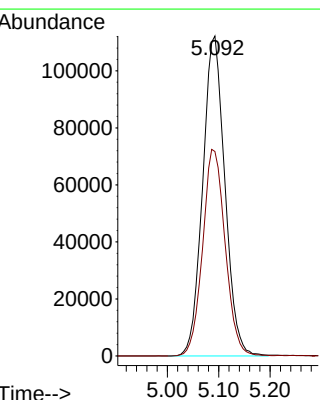
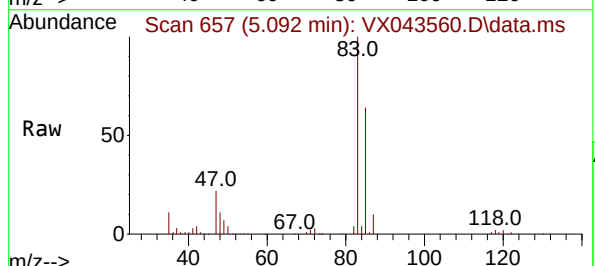
Acq: 28 Oct 2024 12:31

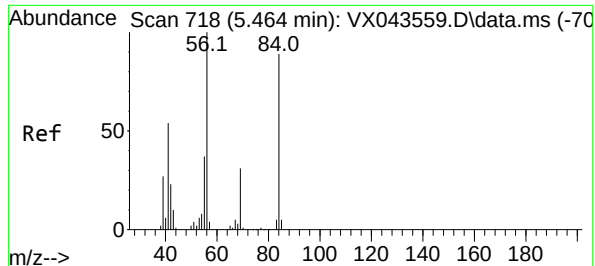
Tgt Ion: 83 Resp: 336574

Ion Ratio Lower Upper

83 100

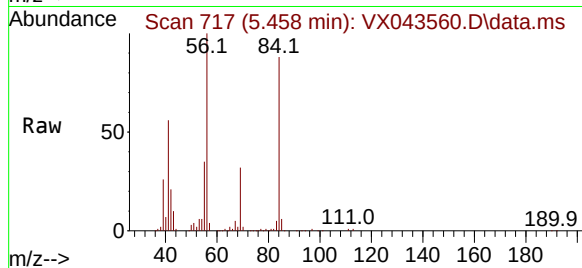
85 63.9 52.2 78.4





#31
Cyclohexane
Concen: 99.138 ug/l
RT: 5.458 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

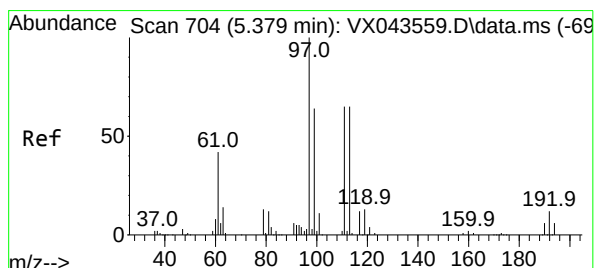
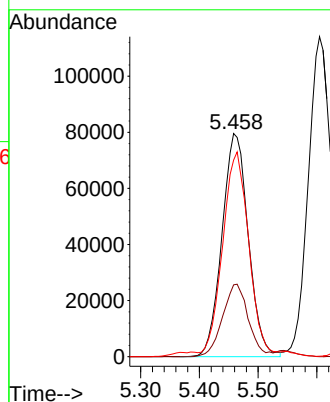
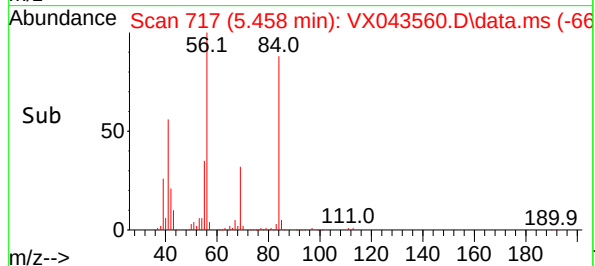
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 56 Resp: 24743
Ion Ratio Lower Upper
56 100
69 32.2 24.9 37.3
84 86.2 73.3 109.9

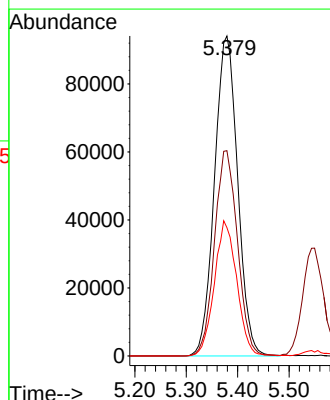
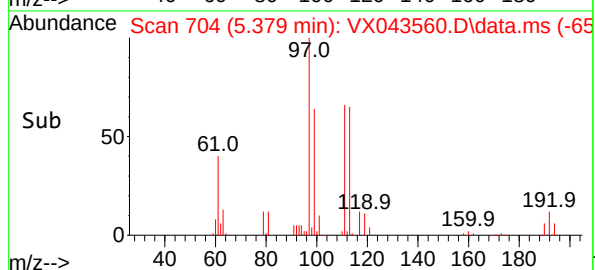
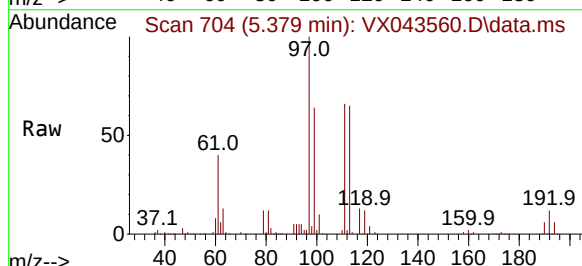
Manual Integrations
APPROVED

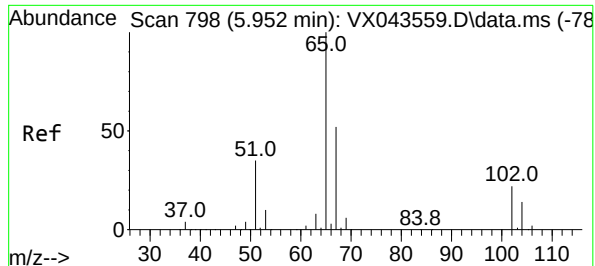
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#32
1,1,1-Trichloroethane
Concen: 104.159 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 97 Resp: 294454
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 40.9 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 97.169 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 22247

Ion Ratio Lower Upper

65 100

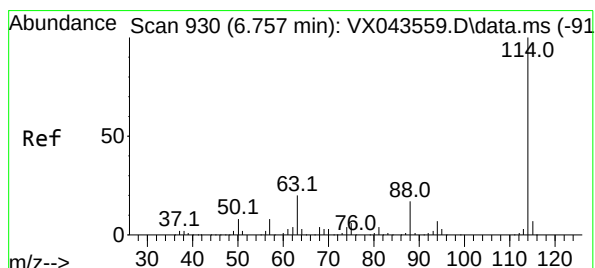
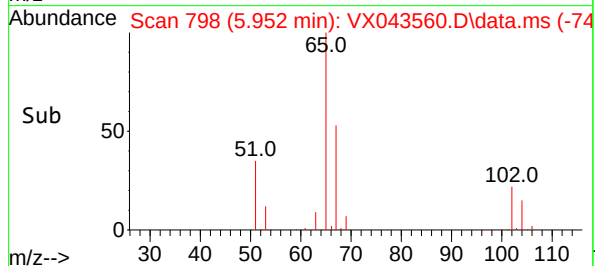
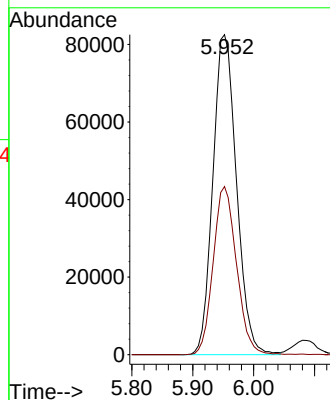
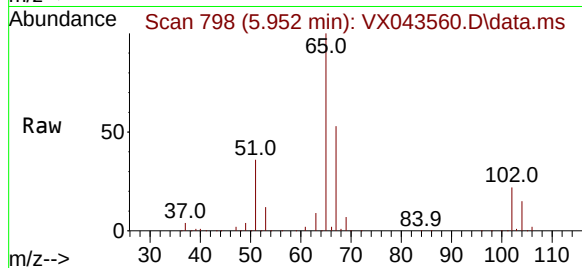
67 51.8 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

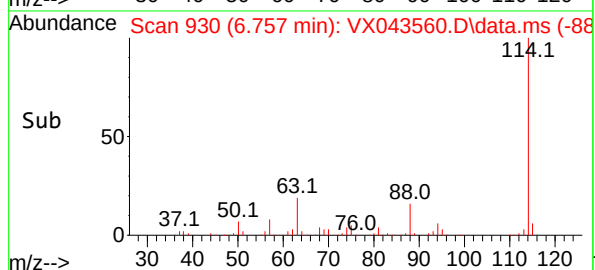
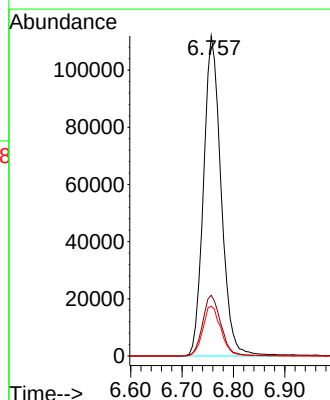
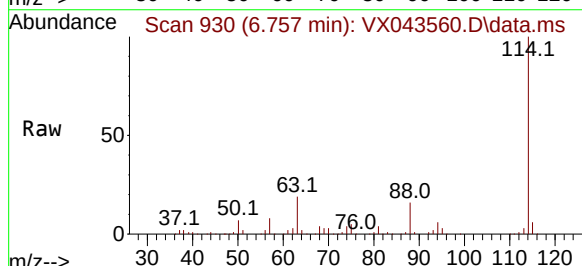
Tgt Ion:114 Resp: 265513

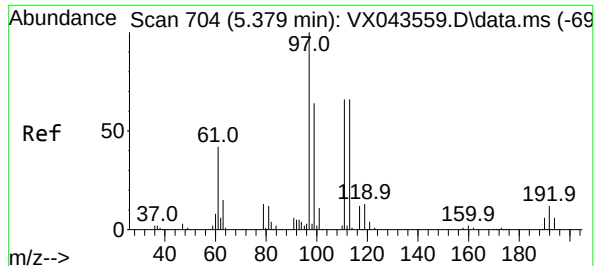
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.2

88 15.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 102.625 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 18143

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

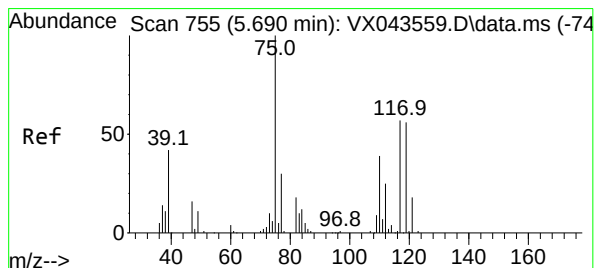
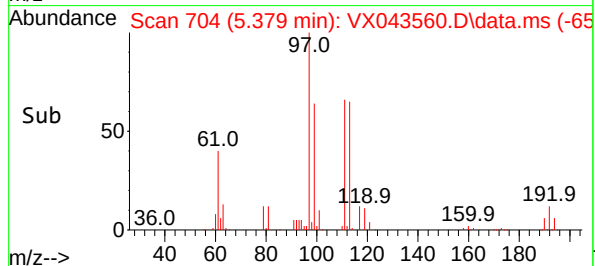
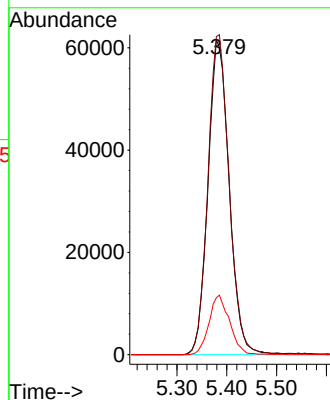
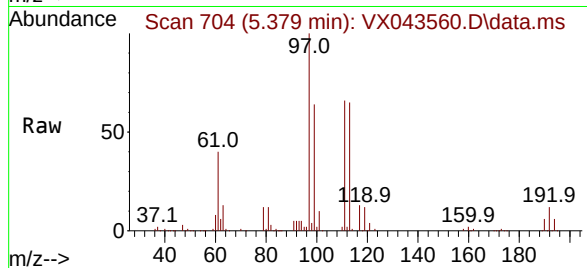
192 18.5 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#36

1,1-Dichloropropene

Concen: 101.472 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

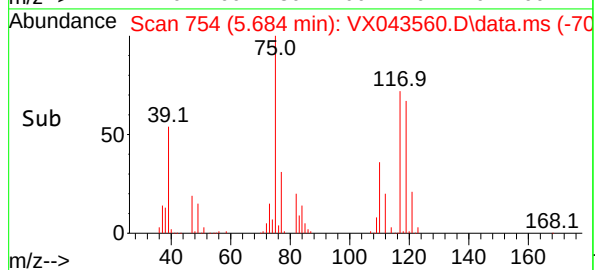
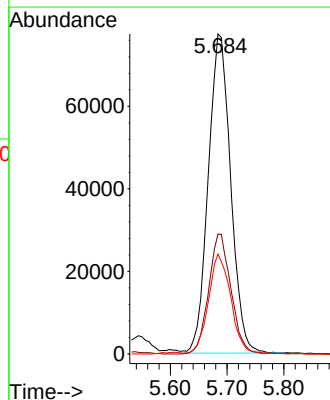
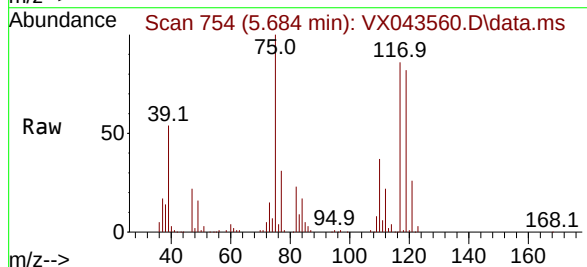
Tgt Ion: 75 Resp: 212326

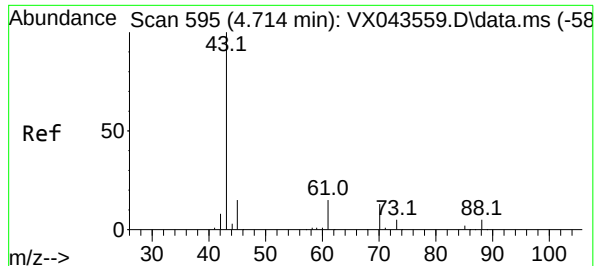
Ion Ratio Lower Upper

75 100

110 37.4 17.9 53.7

77 31.3 25.0 37.4





#37

Ethyl Acetate

Concen: 93.461 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.006 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 266900

Ion Ratio Lower Upper

43 100

61 13.8 11.0 16.6

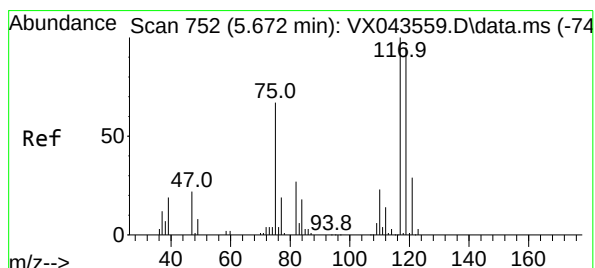
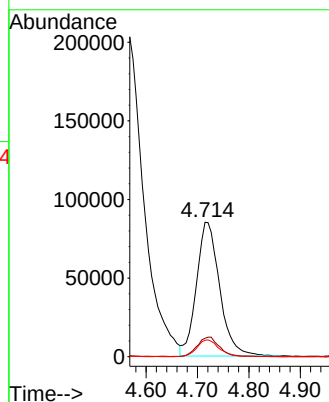
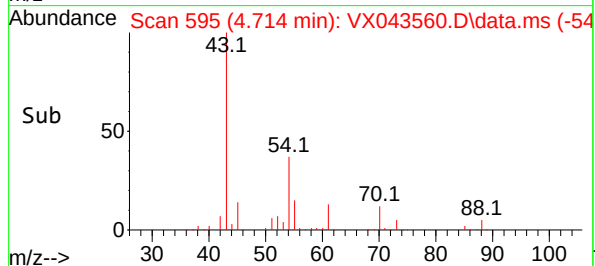
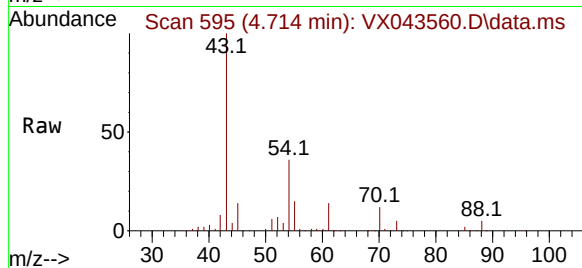
70 12.0 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#38

Carbon Tetrachloride

Concen: 103.882 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

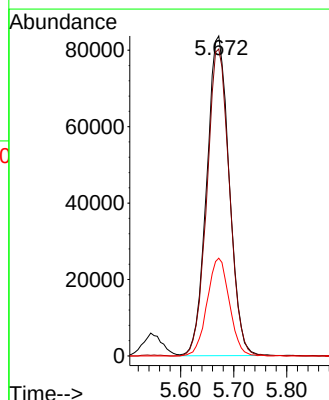
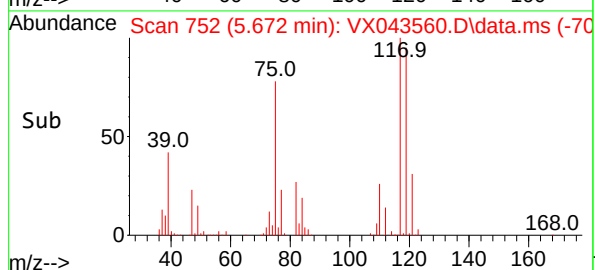
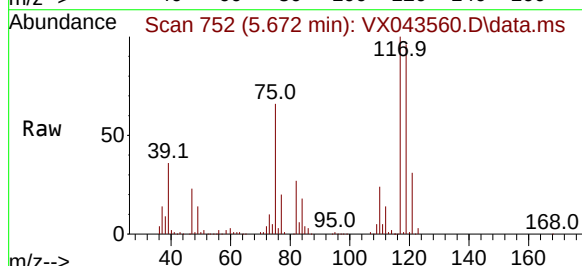
Tgt Ion:117 Resp: 246999

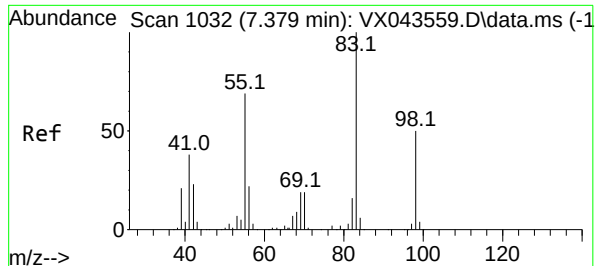
Ion Ratio Lower Upper

117 100

119 95.9 77.0 115.6

121 30.6 24.7 37.1





#39

Methylcyclohexane

Concen: 101.398 ug/l

RT: 7.373 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 272092

Ion Ratio Lower Upper

83 100

55 72.5 59.9 89.9

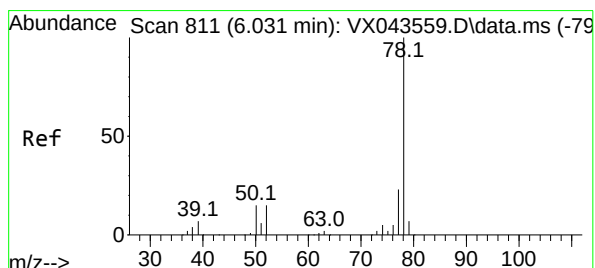
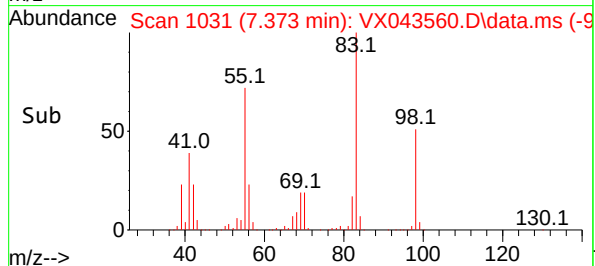
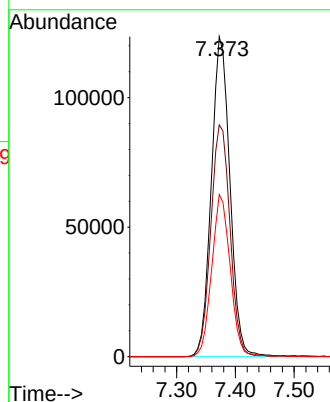
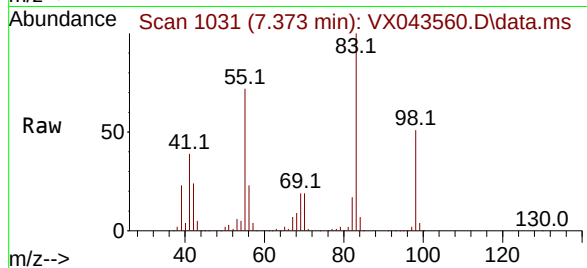
98 50.7 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#40

Benzene

Concen: 101.161 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043560.D

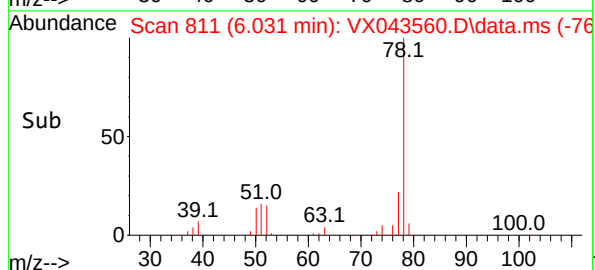
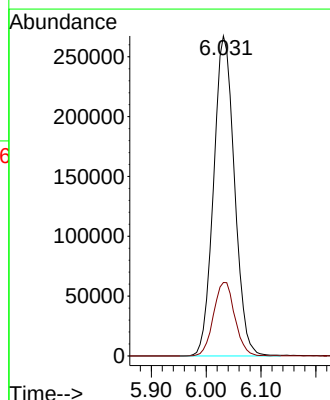
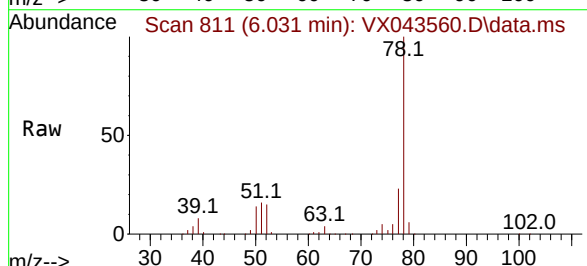
Acq: 28 Oct 2024 12:31

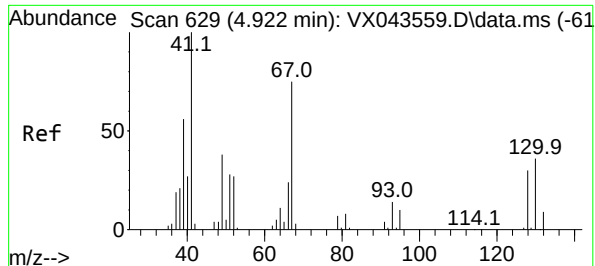
Tgt Ion: 78 Resp: 707594

Ion Ratio Lower Upper

78 100

77 23.0 18.4 27.6





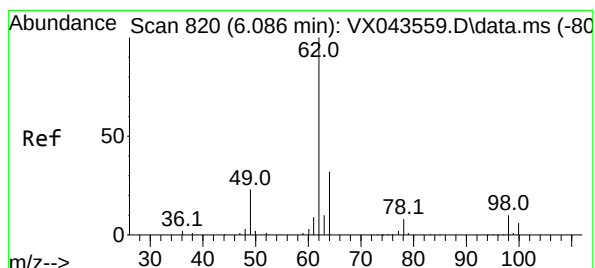
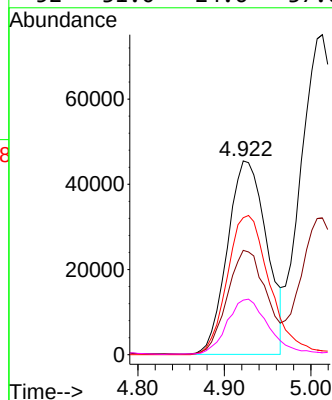
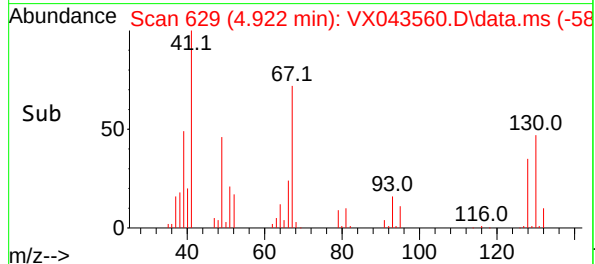
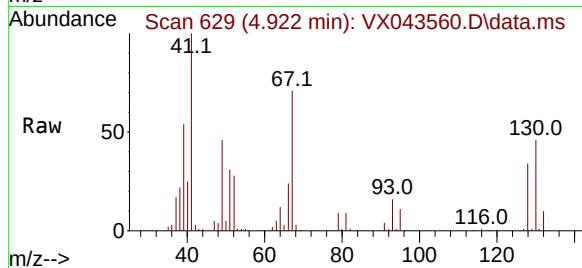
#41
Methacrylonitrile
Concen: 99.633 ug/l
RT: 4.922 min Scan# 611
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 143117
Ion Ratio Lower Upper
41 100
39 53.3 43.5 65.3
67 78.7 58.3 87.5
52 31.0 24.6 37.0

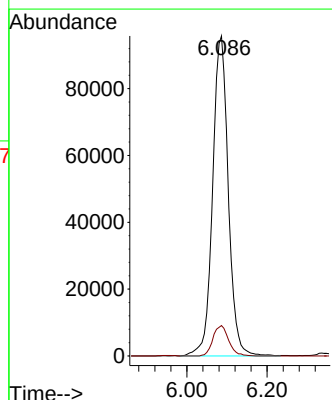
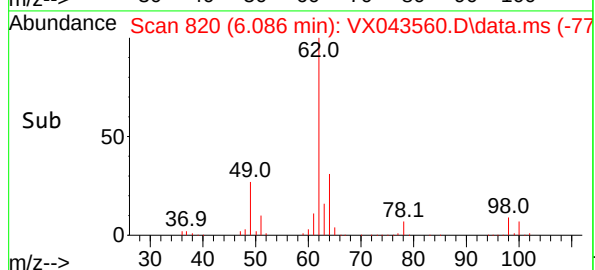
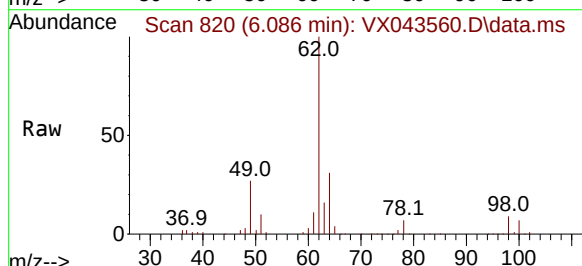
Manual Integrations
APPROVED

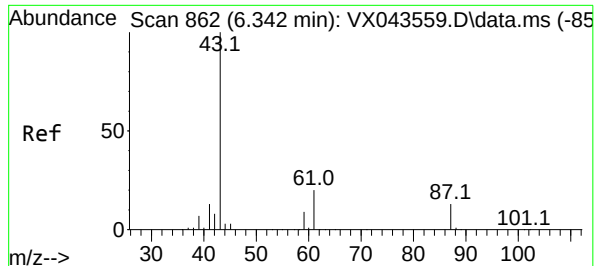
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#42
1,2-Dichloroethane
Concen: 100.874 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 62 Resp: 259548
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.8





#43

Isopropyl Acetate

Concen: 99.301 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 44858

Ion Ratio Lower Upper

43 100

61 20.5 16.2 24.4

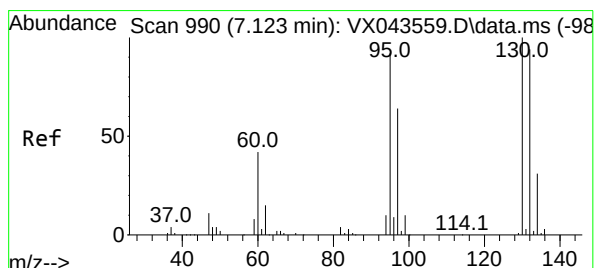
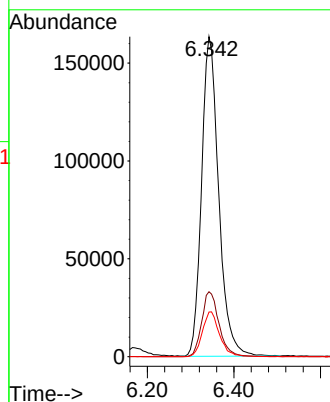
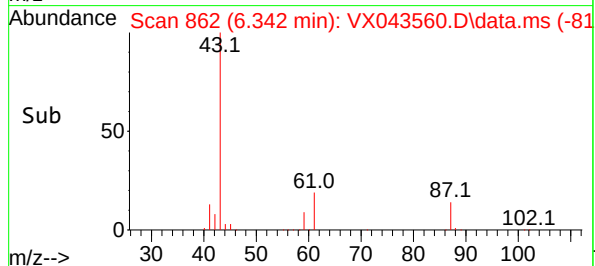
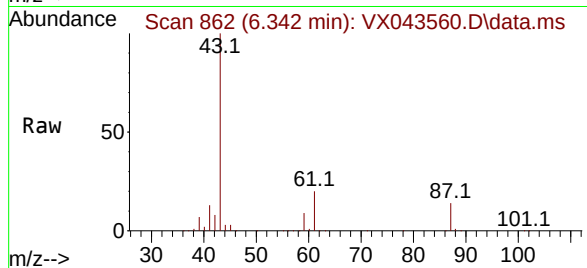
87 14.1 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#44

Trichloroethene

Concen: 109.118 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043560.D

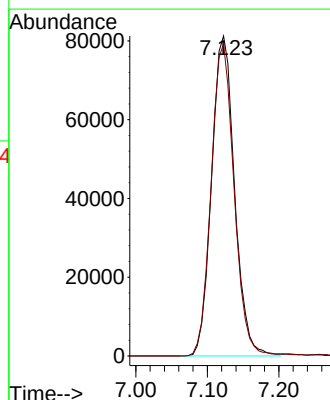
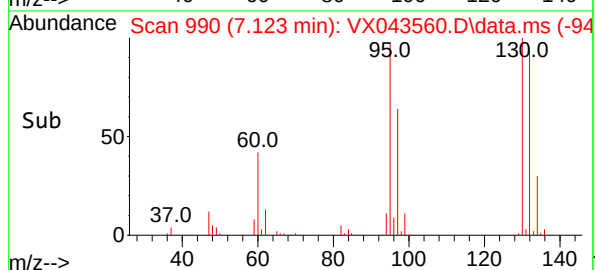
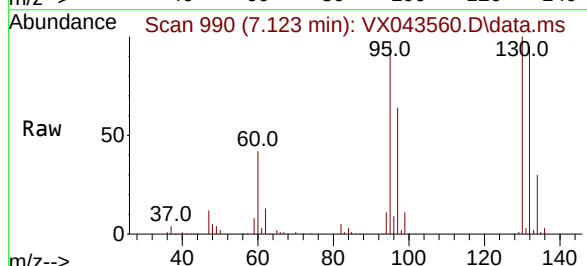
Acq: 28 Oct 2024 12:31

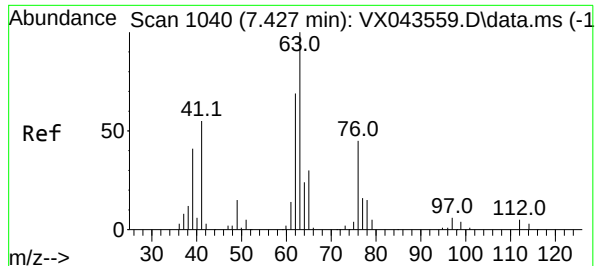
Tgt Ion:130 Resp: 180958

Ion Ratio Lower Upper

130 100

95 97.5 0.0 202.6





#45

1,2-Dichloropropane

Concen: 103.475 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 176748

Ion Ratio Lower Upper

63 100

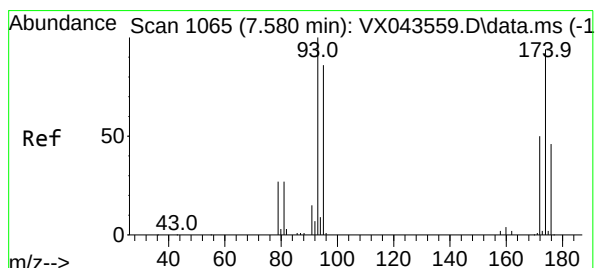
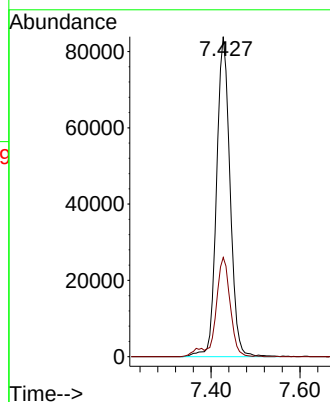
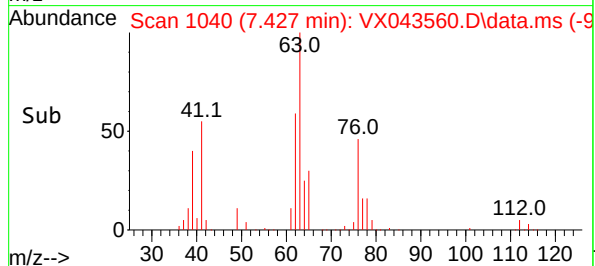
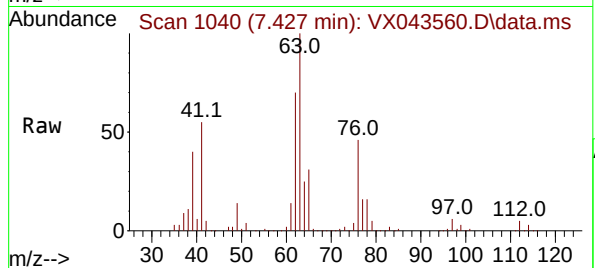
65 31.0 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#46

Dibromomethane

Concen: 105.836 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

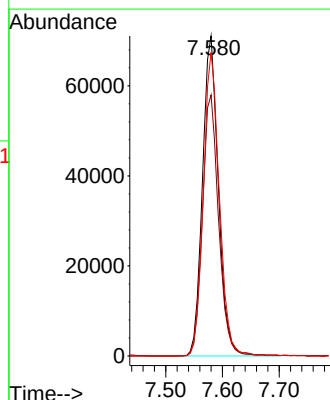
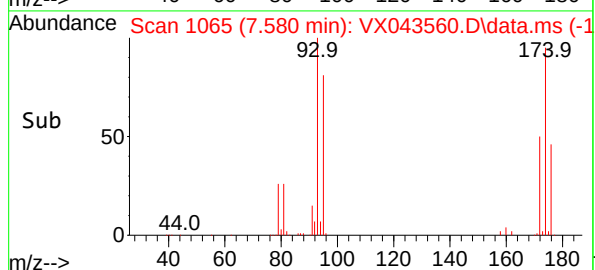
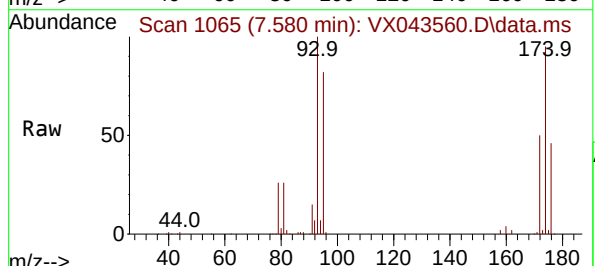
Tgt Ion: 93 Resp: 138874

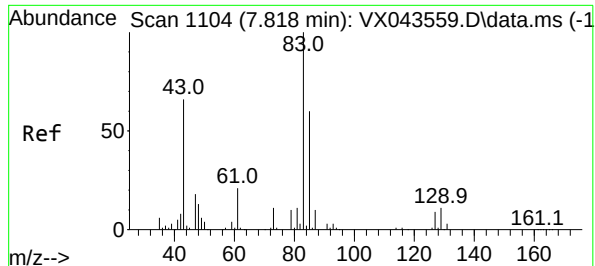
Ion Ratio Lower Upper

93 100

95 83.1 66.4 99.6

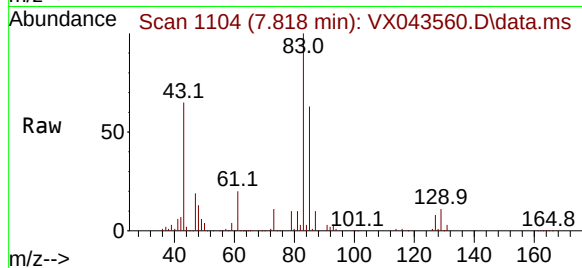
174 94.9 75.0 112.4





#47
Bromodichloromethane
Concen: 112.832 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

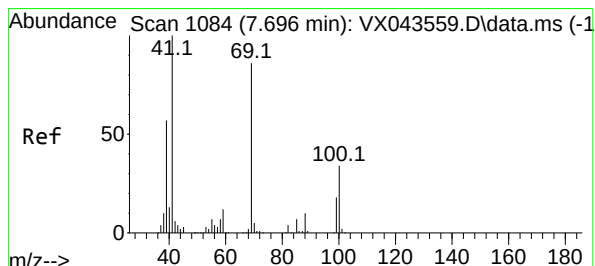
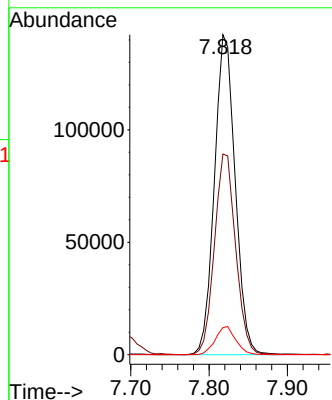
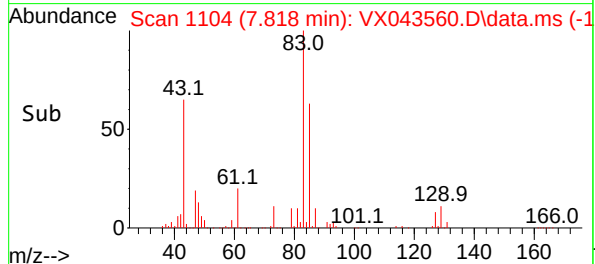
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 83 Resp: 262652
Ion Ratio Lower Upper
83 100
85 62.6 52.2 78.4
127 8.5 7.1 10.7

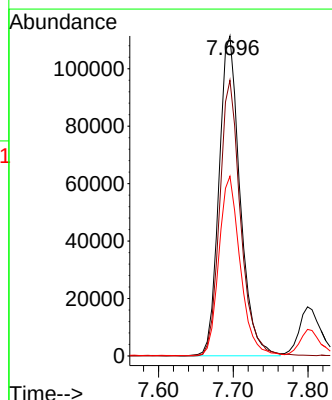
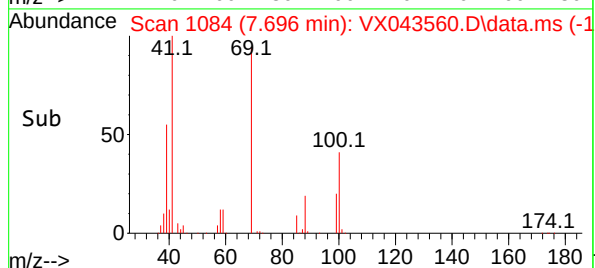
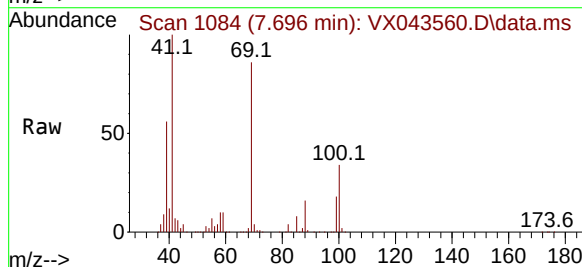
Manual Integrations
APPROVED

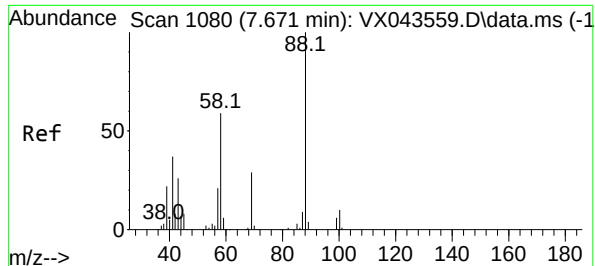
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#48
Methyl methacrylate
Concen: 103.744 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 41 Resp: 218800
Ion Ratio Lower Upper
41 100
69 85.5 67.7 101.5
39 56.6 46.3 69.5





#49

1,4-Dioxane

Concen: 1885.231 ug/l

RT: 7.677 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 102152

Ion Ratio Lower Upper

88 100

43 30.0 25.3 37.9

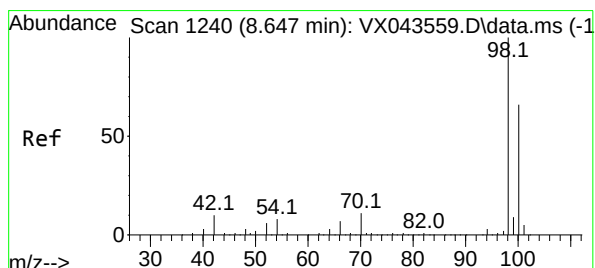
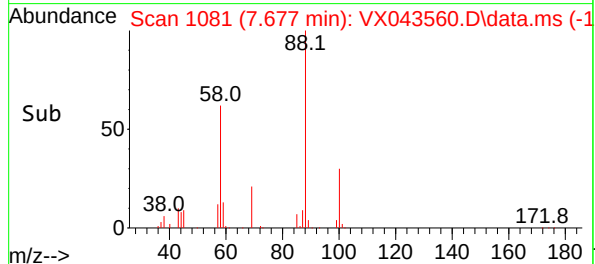
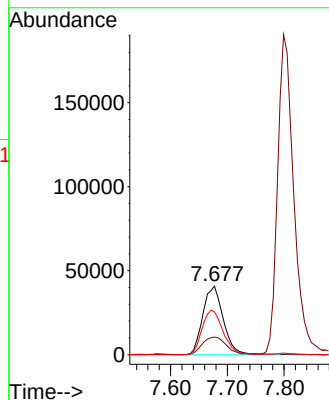
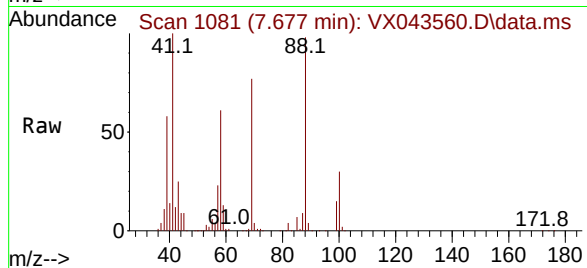
58 66.9 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#50

Toluene-d8

Concen: 100.391 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043560.D

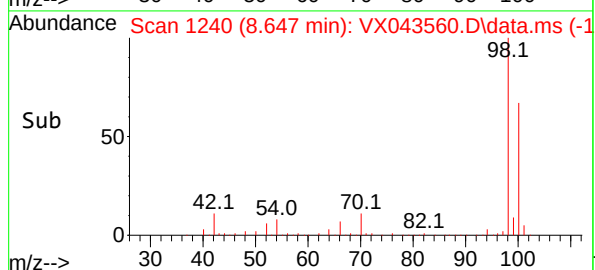
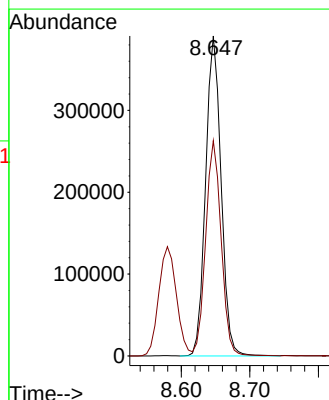
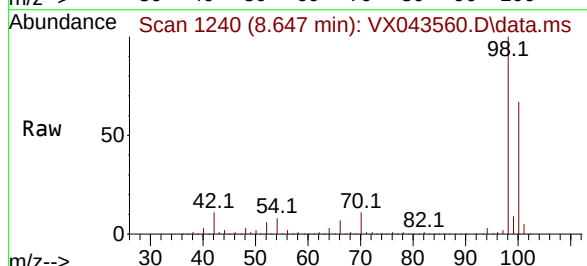
Acq: 28 Oct 2024 12:31

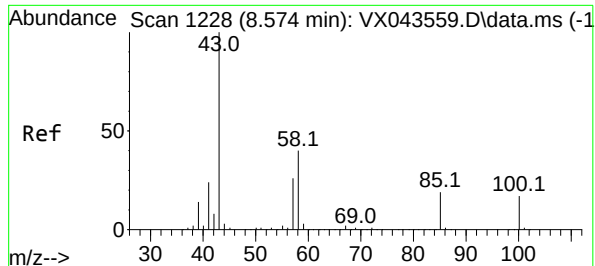
Tgt Ion: 98 Resp: 615421

Ion Ratio Lower Upper

98 100

100 67.0 53.4 80.2





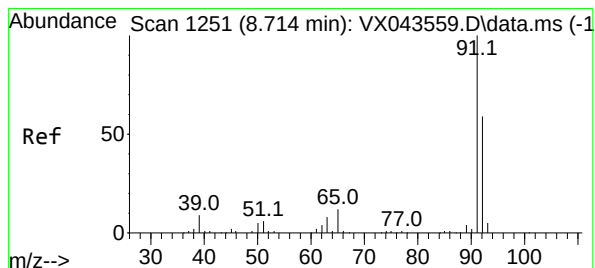
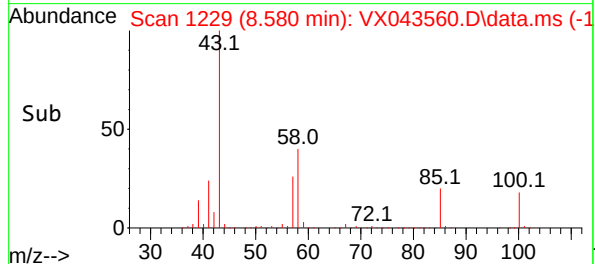
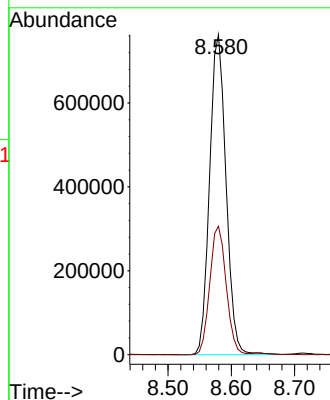
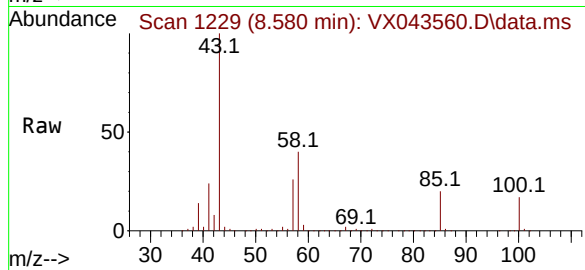
#51
4-Methyl-2-Pentanone
Concen: 480.107 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 137423
Ion Ratio Lower Upper
43 100
58 40.1 31.7 47.5

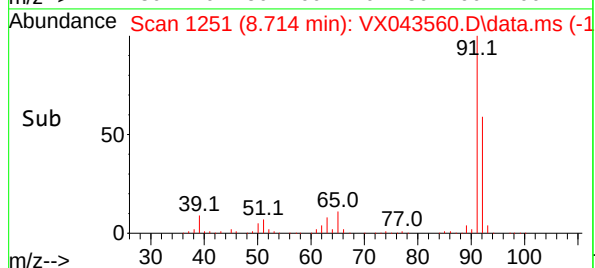
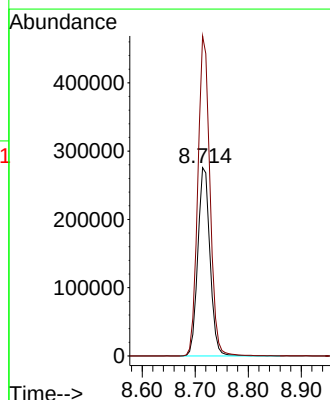
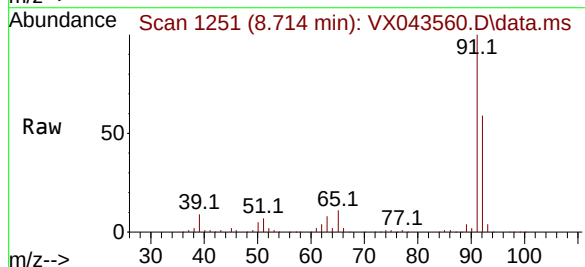
Manual Integrations
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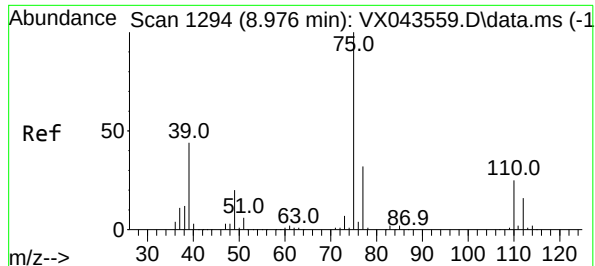
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#52
Toluene
Concen: 102.334 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 92 Resp: 441311
Ion Ratio Lower Upper
92 100
91 168.5 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 118.617 ug/l

RT: 8.976 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 279431

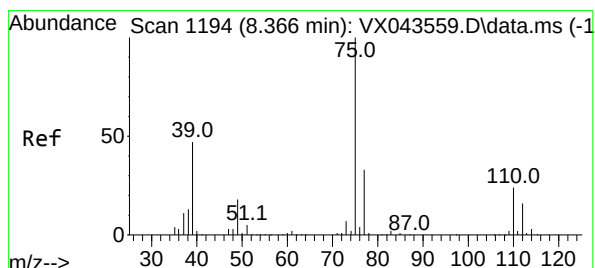
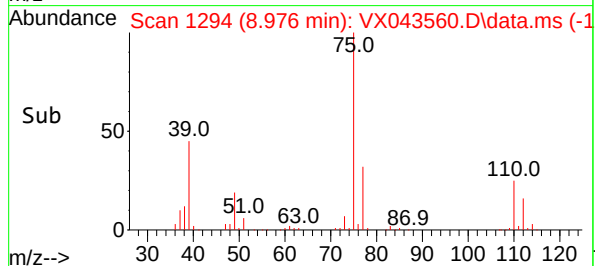
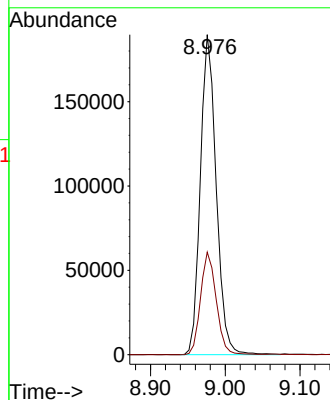
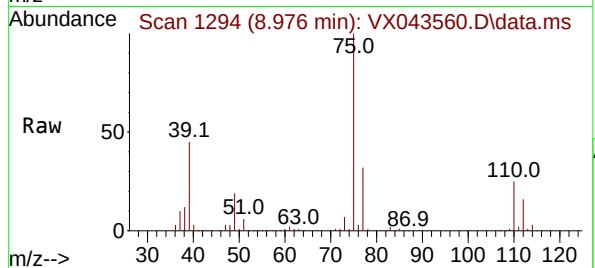
Ion Ratio Lower Upper

75 100

77 32.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

#54

cis-1,3-Dichloropropene

Concen: 114.982 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

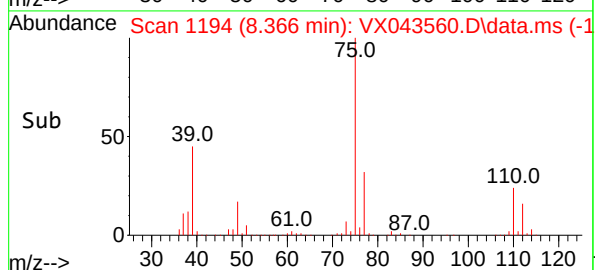
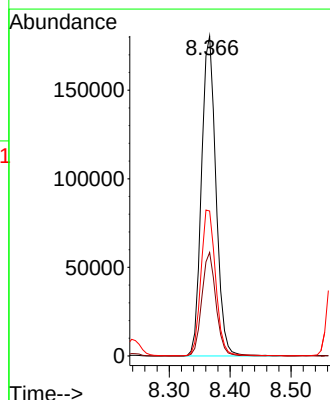
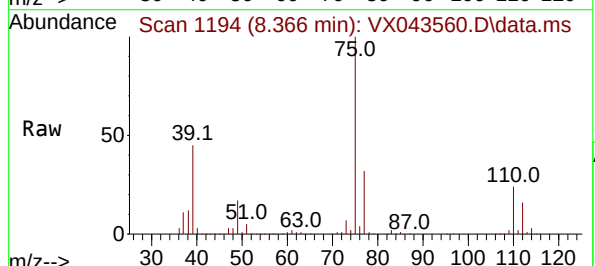
Tgt Ion: 75 Resp: 297464

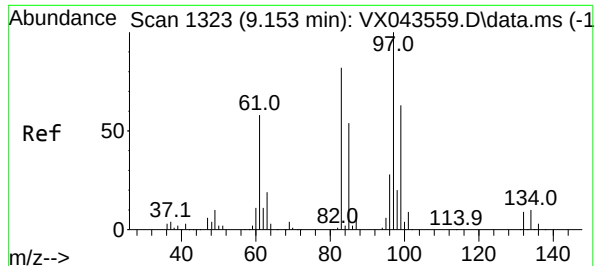
Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2

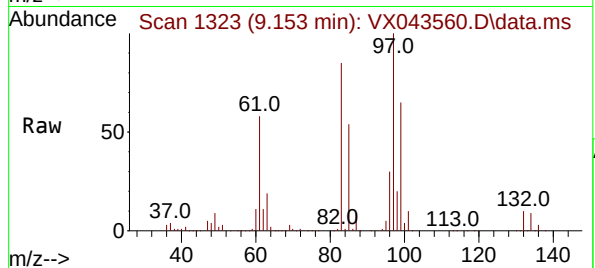
39 45.2 37.7 56.5





#55
1,1,2-Trichloroethane
Concen: 100.657 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

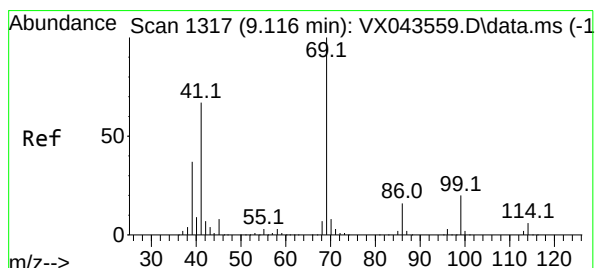
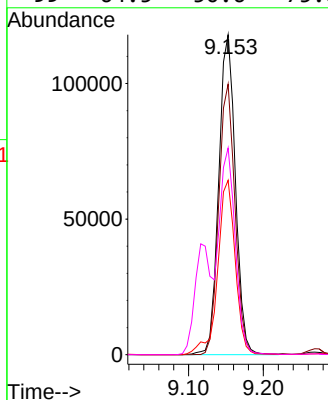
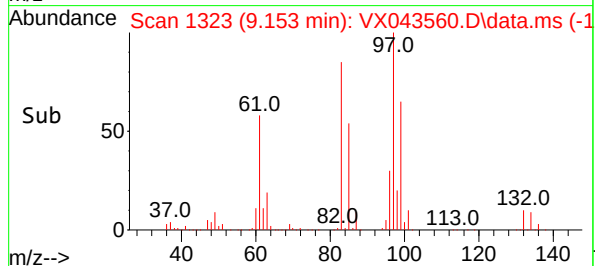
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 97 Resp: 18318
Ion Ratio Lower Upper
97 100
83 84.6 67.3 100.9
85 54.5 43.6 65.4
99 64.5 50.6 75.8

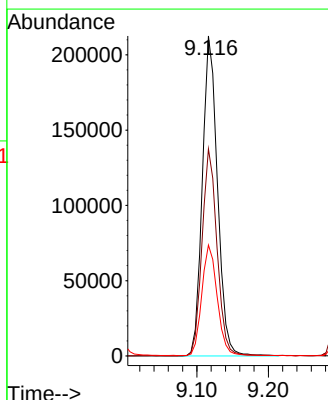
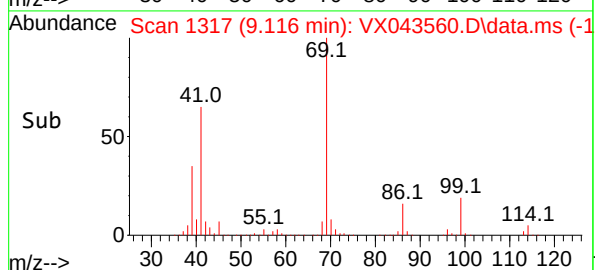
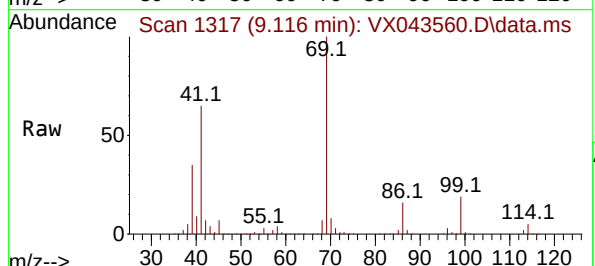
Manual Integrations
APPROVED

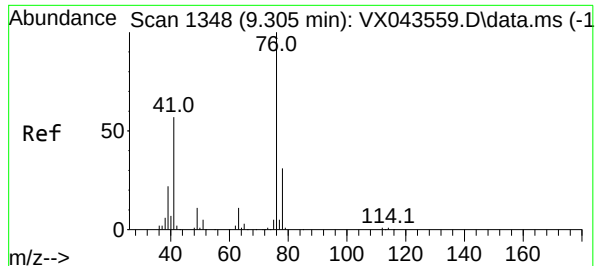
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#56
Ethyl methacrylate
Concen: 106.248 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 69 Resp: 312479
Ion Ratio Lower Upper
69 100
41 64.3 53.8 80.8
39 35.5 29.9 44.9





#57

1,3-Dichloropropane

Concen: 101.720 ug/l

RT: 9.305 min Scan# 1134

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 305650

Ion Ratio Lower Upper

76 100

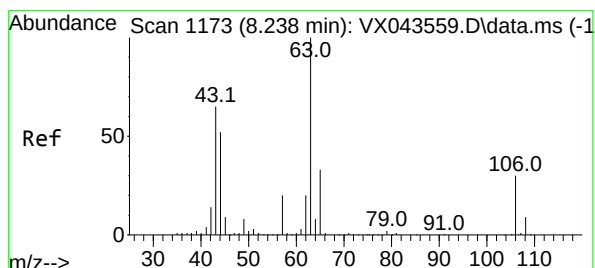
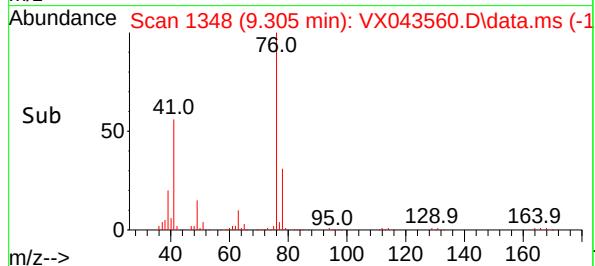
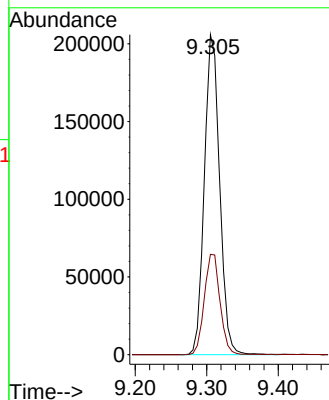
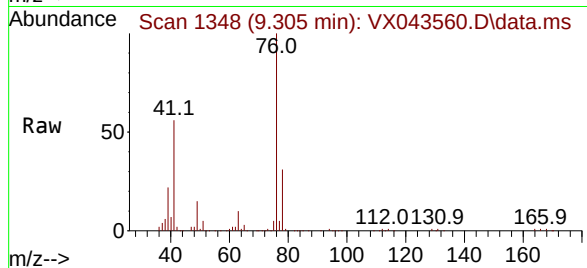
78 32.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#58

2-Chloroethyl Vinyl ether

Concen: 512.729 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043560.D

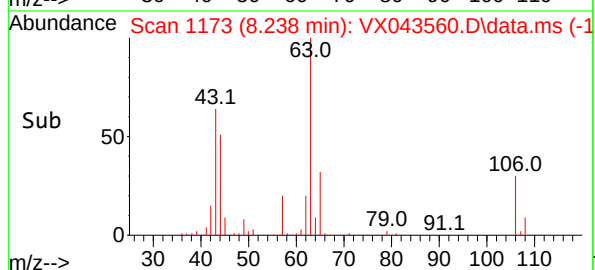
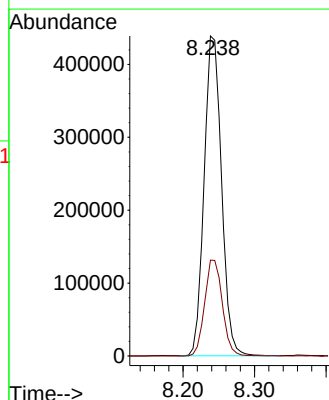
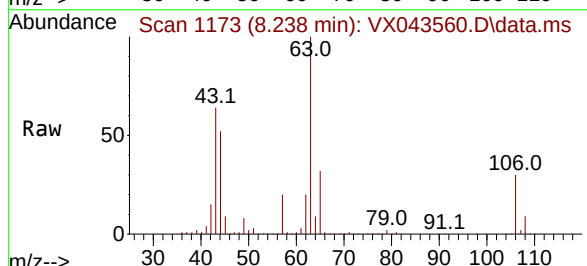
Acq: 28 Oct 2024 12:31

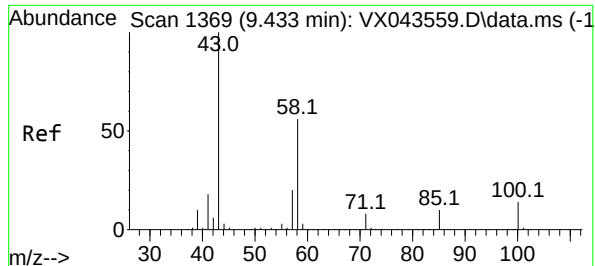
Tgt Ion: 63 Resp: 741765

Ion Ratio Lower Upper

63 100

106 30.5 23.6 35.4





#59

2-Hexanone

Concen: 480.496 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 1039950

Ion Ratio Lower Upper

43 100

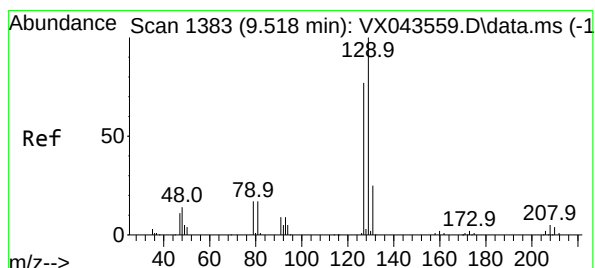
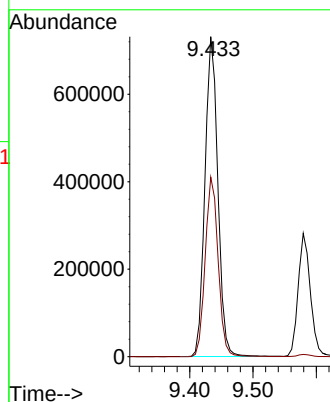
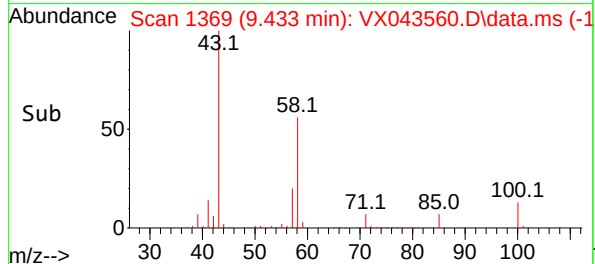
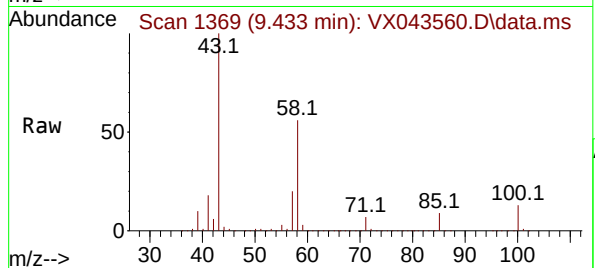
58 56.3 27.5 82.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#60

Dibromochloromethane

Concen: 120.749 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043560.D

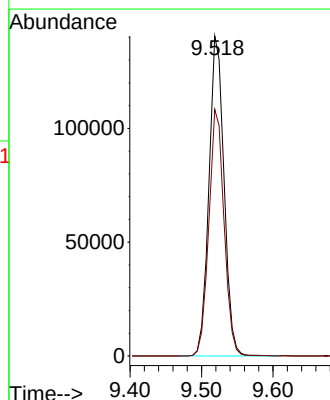
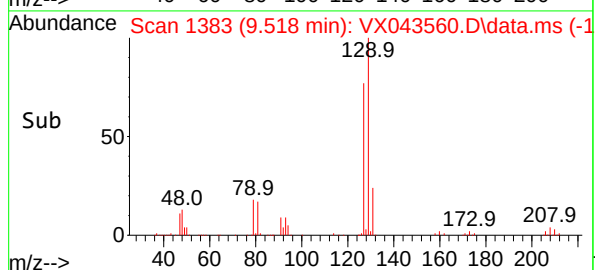
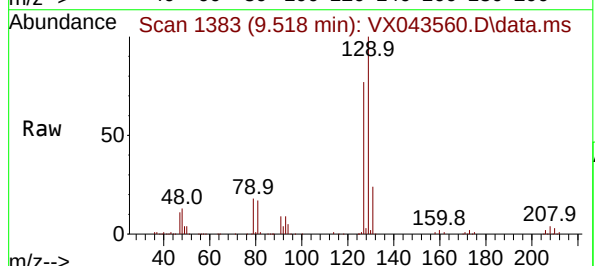
Acq: 28 Oct 2024 12:31

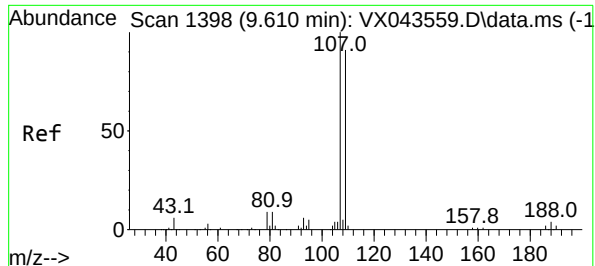
Tgt Ion:129 Resp: 205615

Ion Ratio Lower Upper

129 100

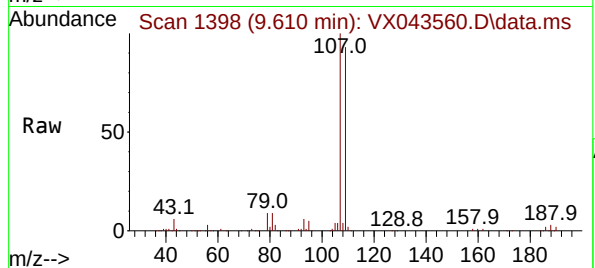
127 77.8 38.4 115.1





#61
1,2-Dibromoethane
Concen: 106.844 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

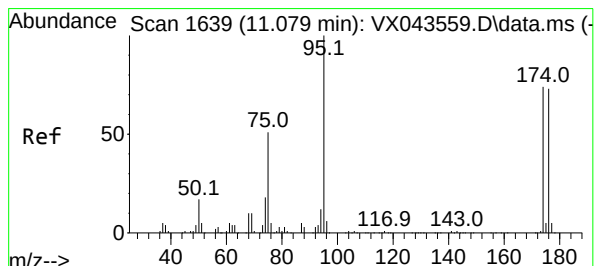
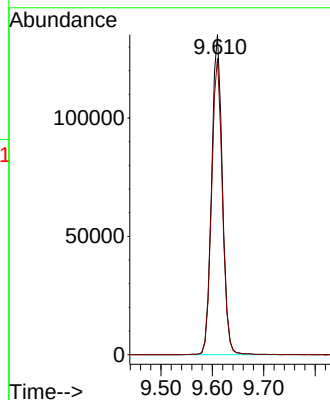
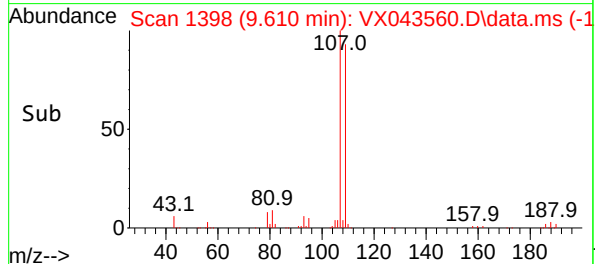
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:107 Resp: 196009
Ion Ratio Lower Upper
107 100
109 93.0 77.1 115.7

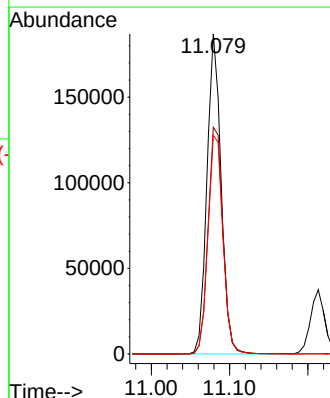
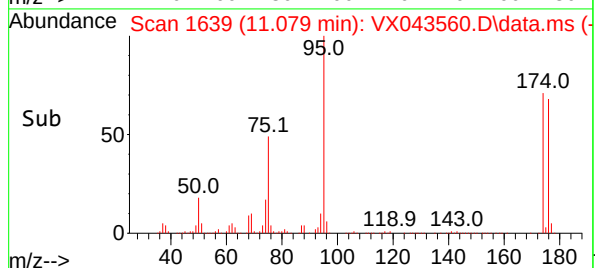
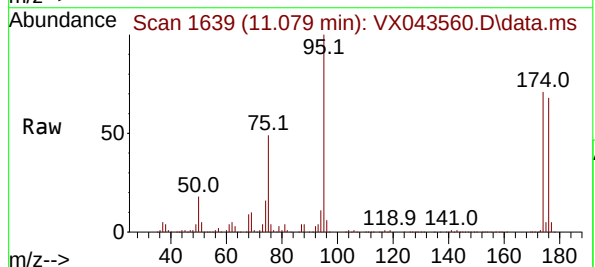
Manual Integrations
APPROVED

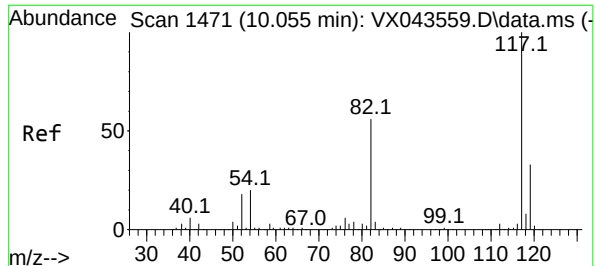
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#62
4-Bromofluorobenzene
Concen: 104.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 95 Resp: 233193
Ion Ratio Lower Upper
95 100
174 75.0 0.0 146.6
176 72.5 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:117 Resp: 23078

Ion Ratio Lower Upper

117 100

82 55.1 42.1 63.1

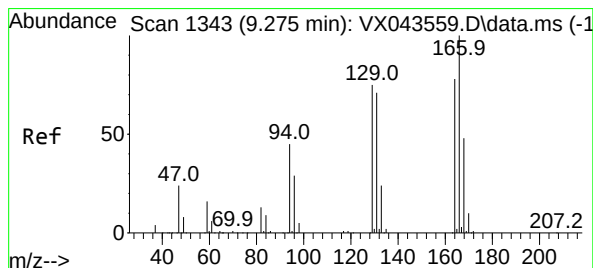
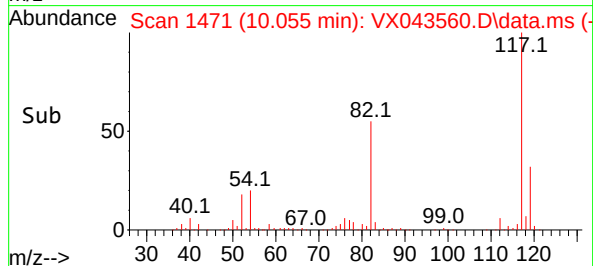
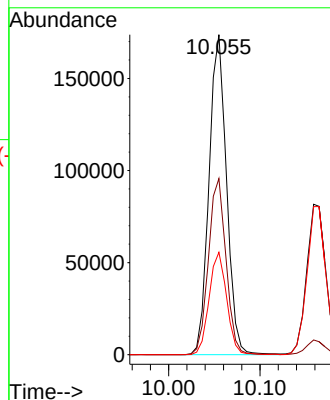
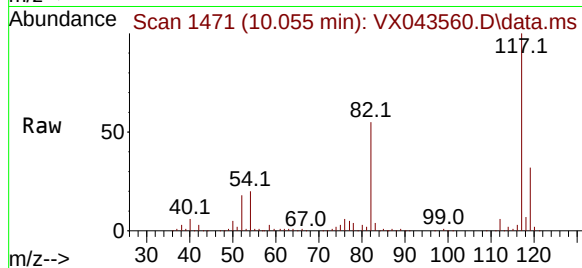
119 32.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#64

Tetrachloroethene

Concen: 98.420 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Tgt Ion:164 Resp: 142187

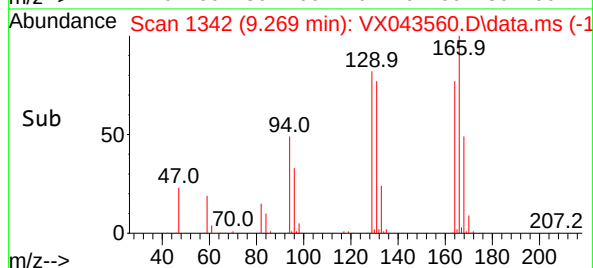
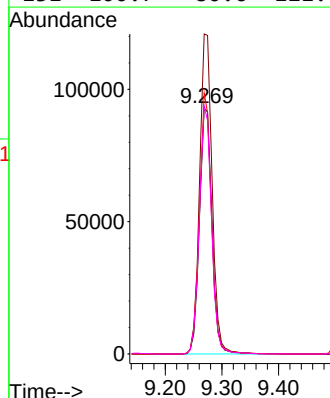
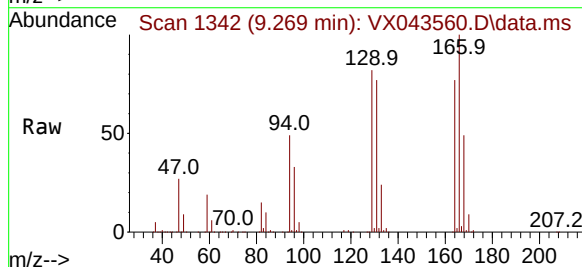
Ion Ratio Lower Upper

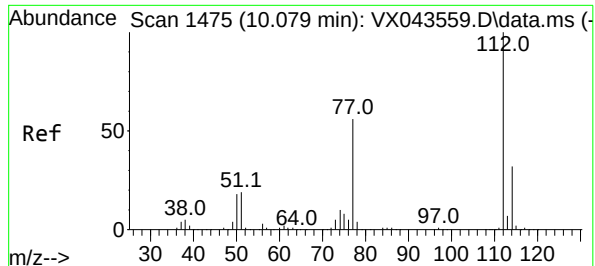
164 100

166 130.2 103.8 155.6

129 106.2 83.8 125.6

131 100.7 80.6 121.0





#65

Chlorobenzene

Concen: 103.935 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:112 Resp: 498984

Ion Ratio Lower Upper

112 100

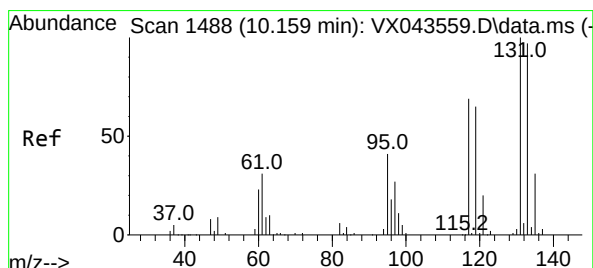
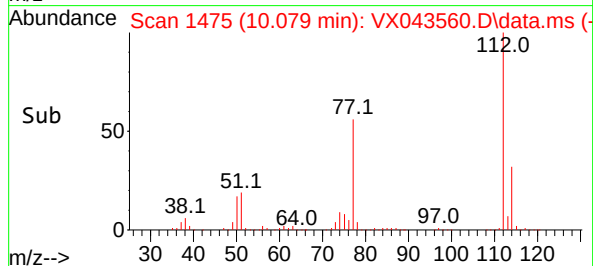
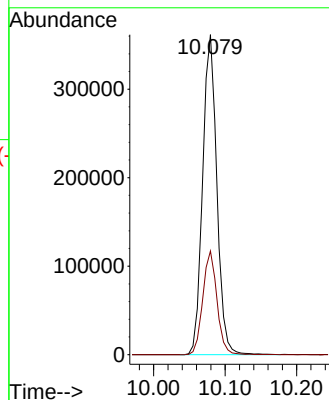
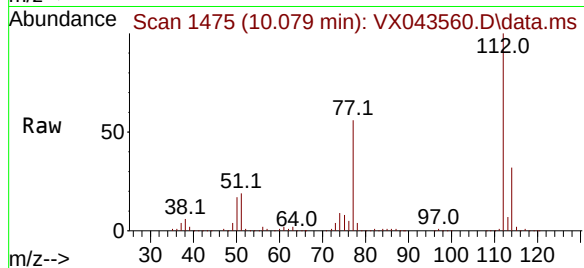
114 32.4 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 108.478 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. 0.006 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

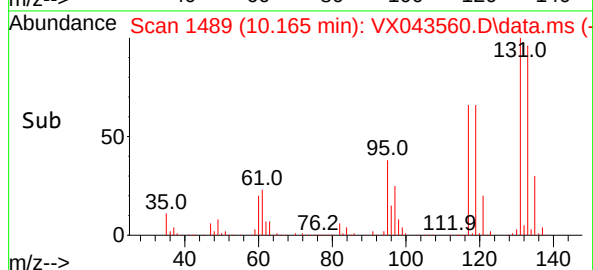
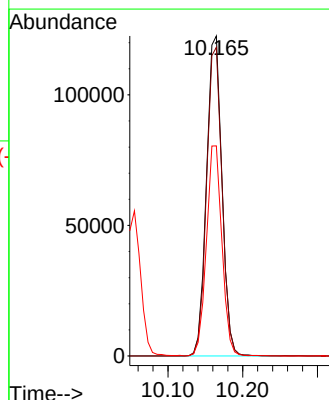
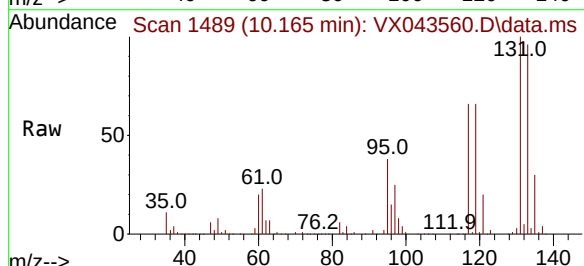
Tgt Ion:131 Resp: 175902

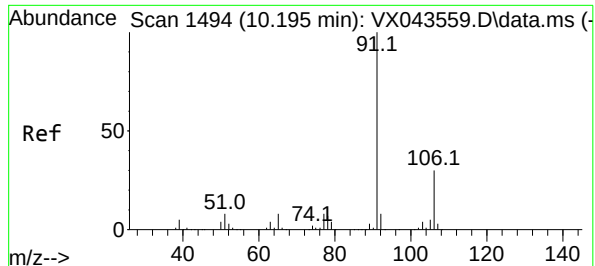
Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.0

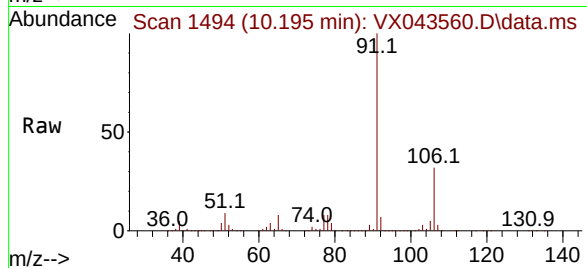
119 65.9 32.3 96.9





#67
Ethyl Benzene
Concen: 103.708 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

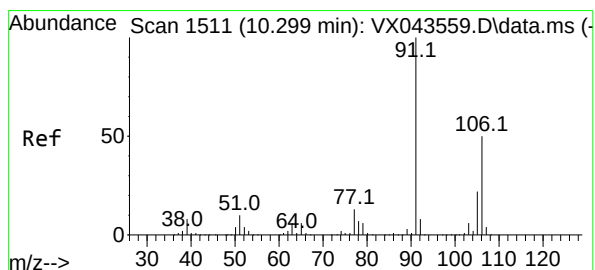
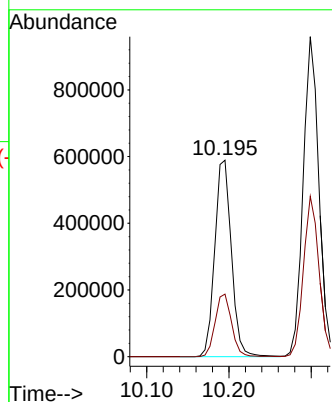
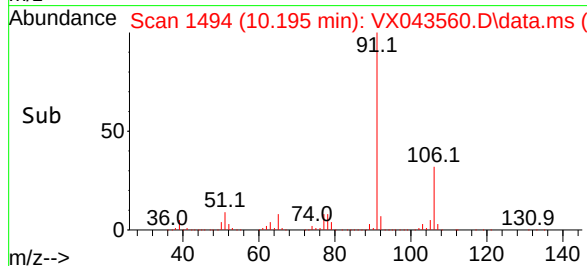
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 91 Resp: 828264
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2

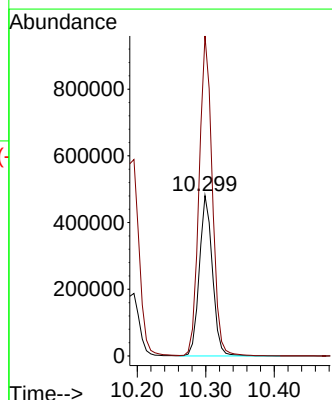
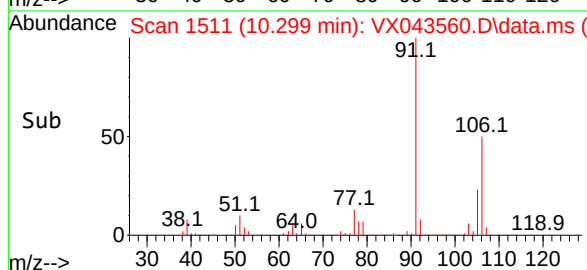
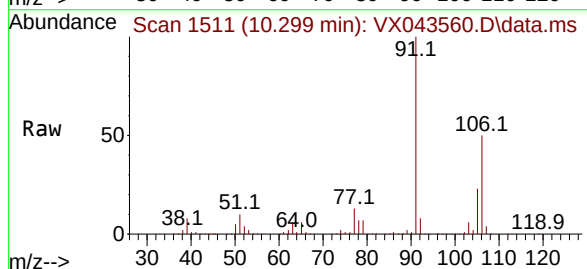
Manual Integrations
APPROVED

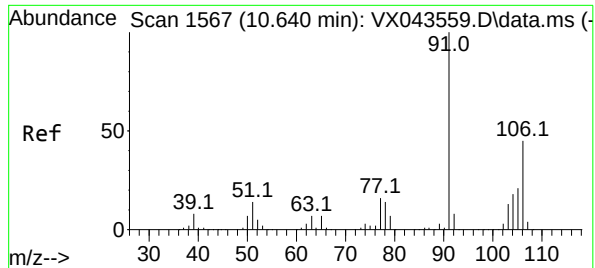
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#68
m/p-Xylenes
Concen: 210.954 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:106 Resp: 638308
Ion Ratio Lower Upper
106 100
91 201.0 164.7 247.1





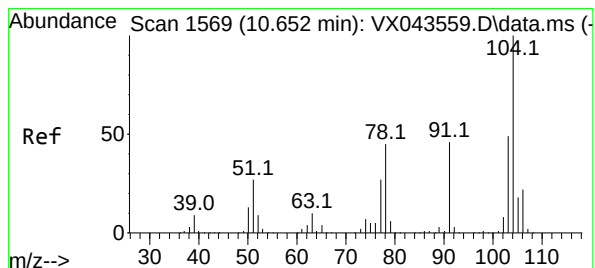
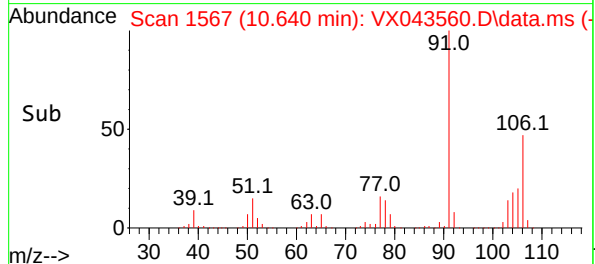
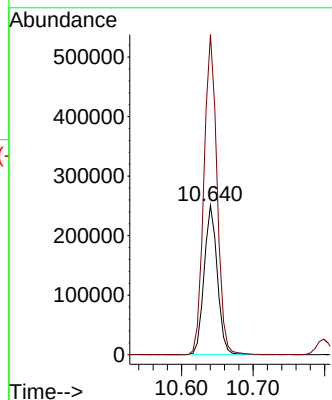
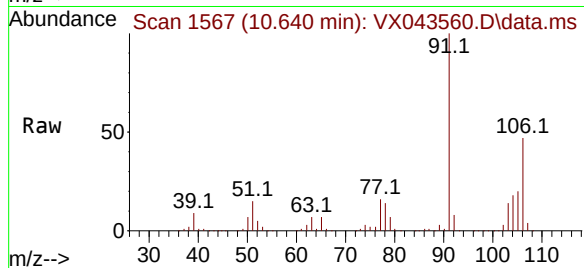
#69
o-Xylene
Concen: 103.533 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 322030
Ion Ratio Lower Upper
106 100
91 213.2 107.9 323.7

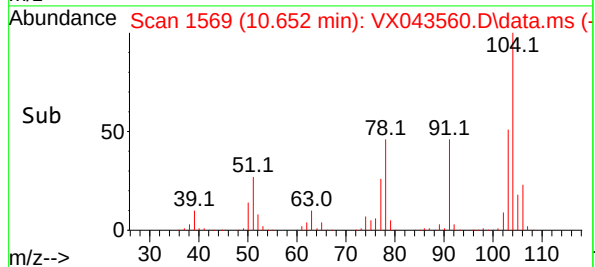
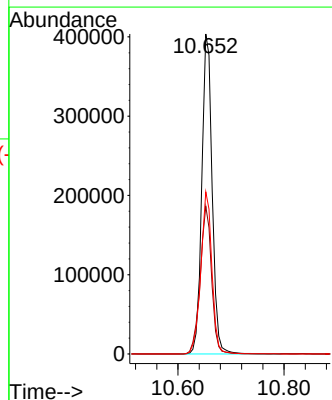
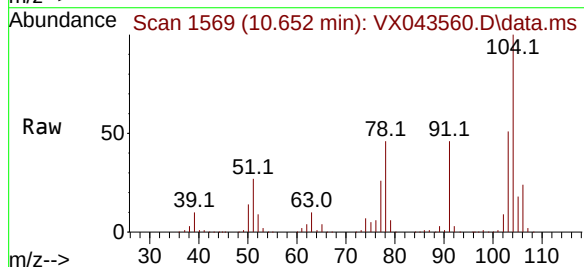
Manual Integrations
APPROVED

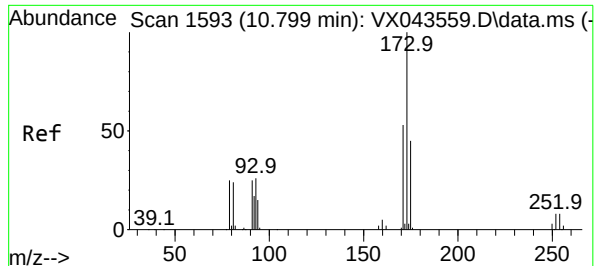
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#70
Styrene
Concen: 108.997 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

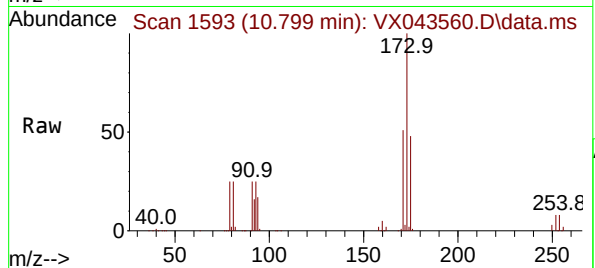
Tgt Ion:104 Resp: 548708
Ion Ratio Lower Upper
104 100
78 50.6 40.0 60.0
103 54.4 43.4 65.0





#71
Bromoform
Concen: 128.340 ug/l
RT: 10.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

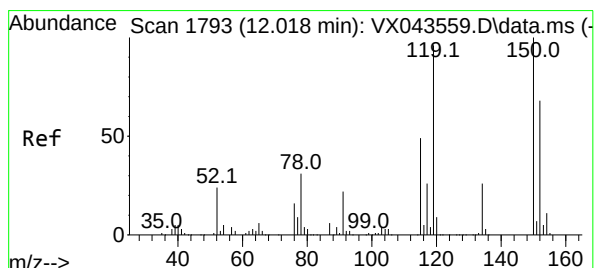
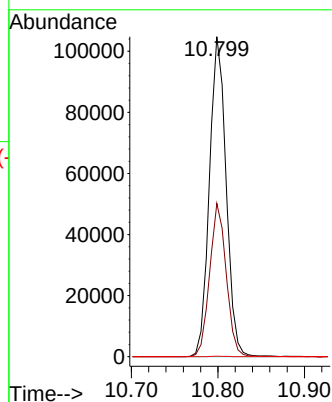
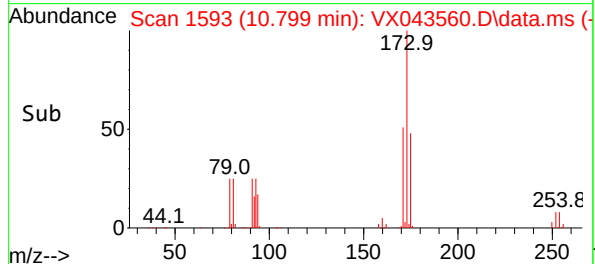
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 140298
Ion Ratio Lower Upper
173 100
175 47.6 23.3 69.9
254 0.1 0.0 0.0

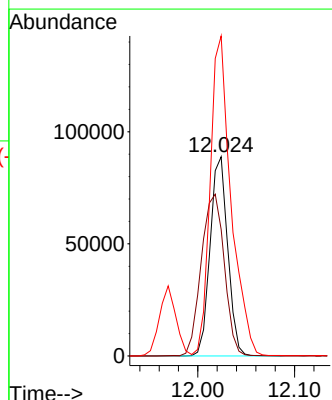
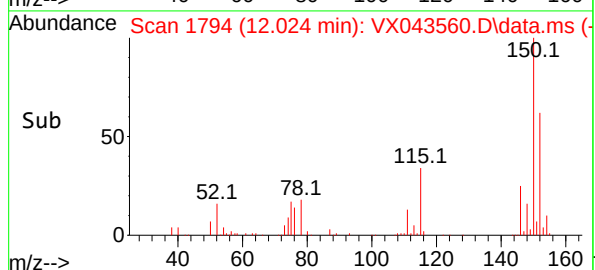
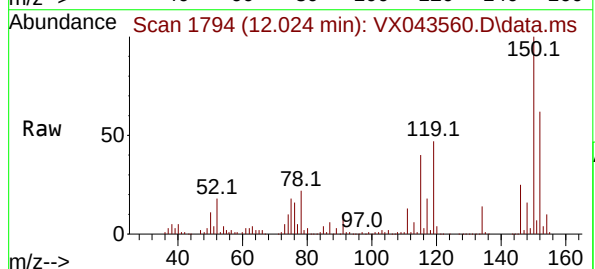
Manual Integrations
APPROVED

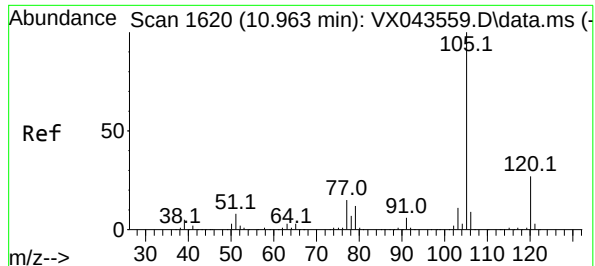
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

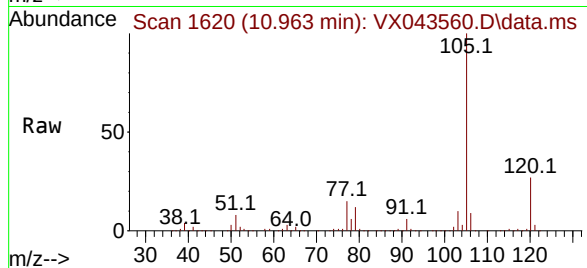
Tgt Ion:152 Resp: 112136
Ion Ratio Lower Upper
152 100
115 106.8 42.9 128.7
150 190.4 0.0 343.6





#73
Isopropylbenzene
Concen: 99.313 ug/l
RT: 10.963 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

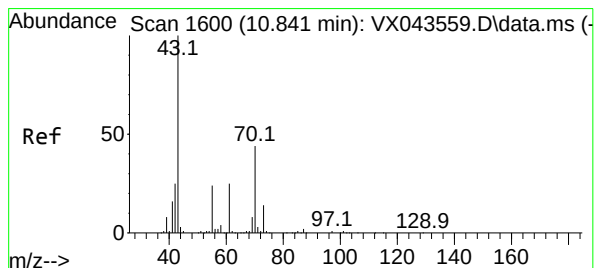
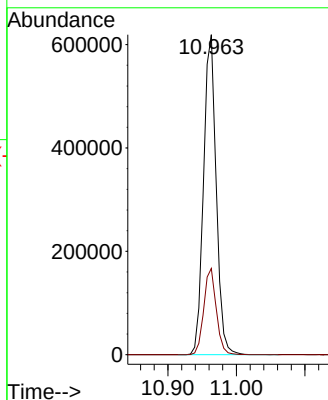
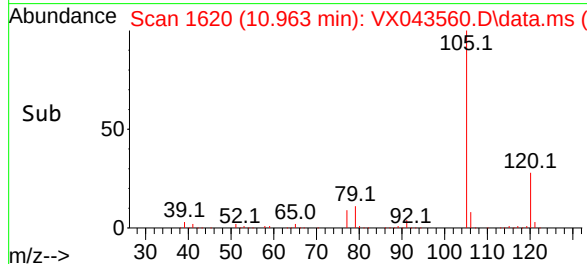
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 105 Resp: 796019
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.6

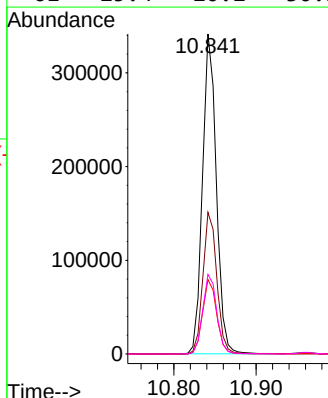
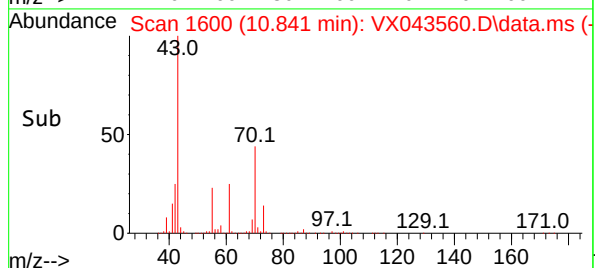
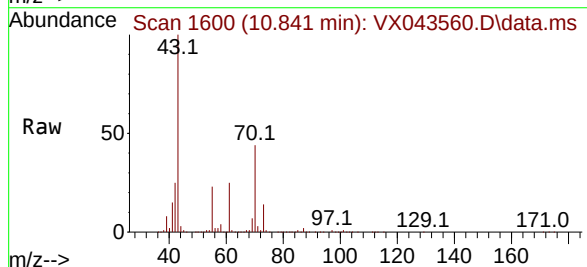
Manual Integrations
APPROVED

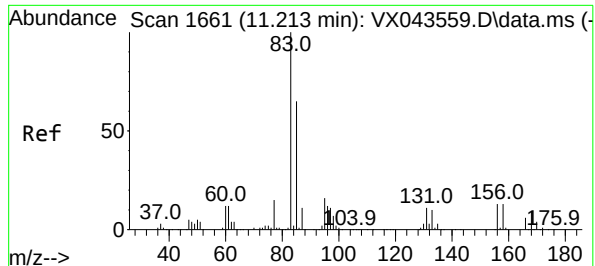
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#74
N-ethyl acetate
Concen: 98.808 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

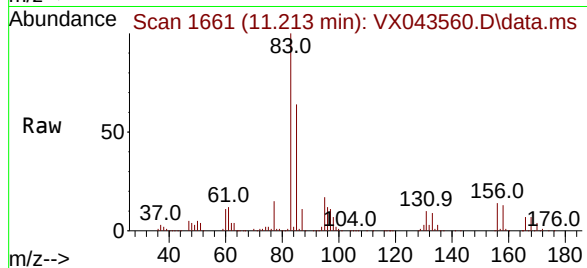
Tgt Ion: 43 Resp: 398918
Ion Ratio Lower Upper
43 100
70 44.8 34.6 52.0
55 23.8 19.6 29.4
61 25.4 20.2 30.2





#75
1,1,2-Tetrachloroethane
Concen: 93.228 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

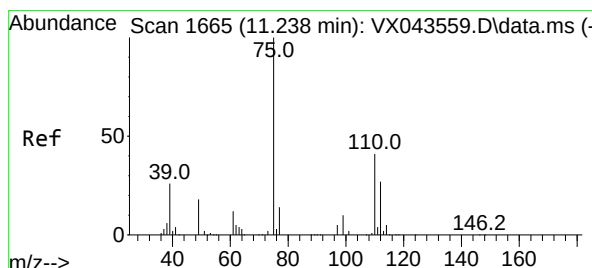
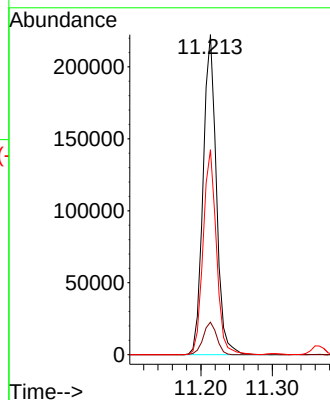
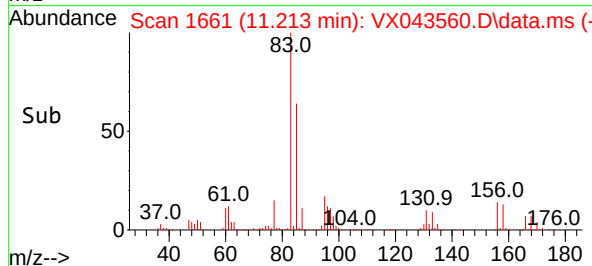
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion: 83 Resp: 286258
Ion Ratio Lower Upper
83 100
131 10.4 5.3 15.9
85 64.2 32.4 97.0

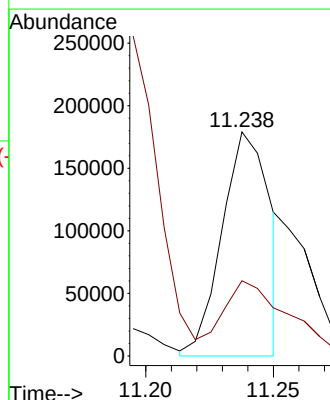
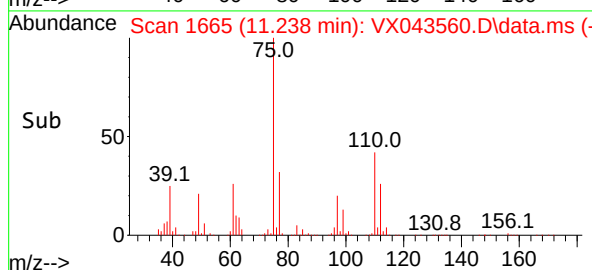
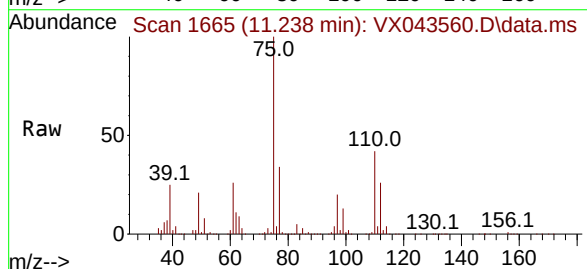
Manual Integrations
APPROVED

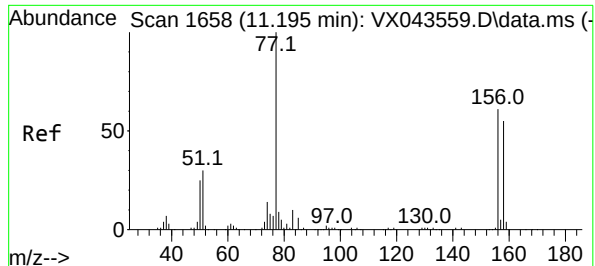
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#76
1,2,3-Trichloropropane
Concen: 89.719 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

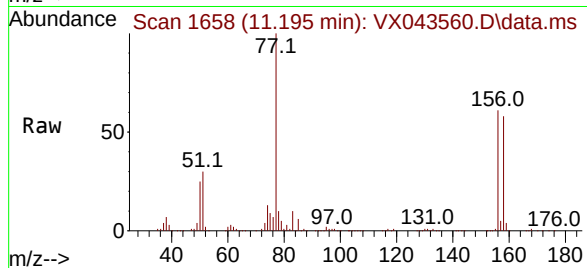
Tgt Ion: 75 Resp: 233884
Ion Ratio Lower Upper
75 100
77 46.1 22.4 67.2





#77
Bromobenzene
Concen: 101.054 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

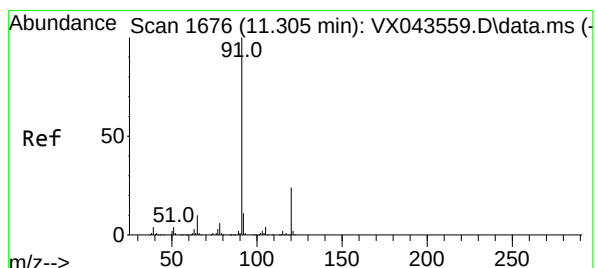
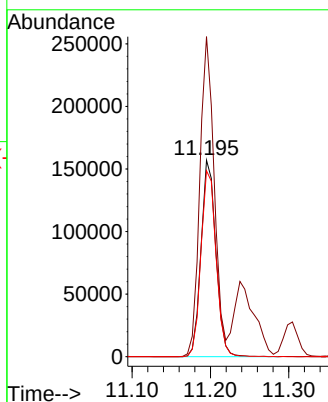
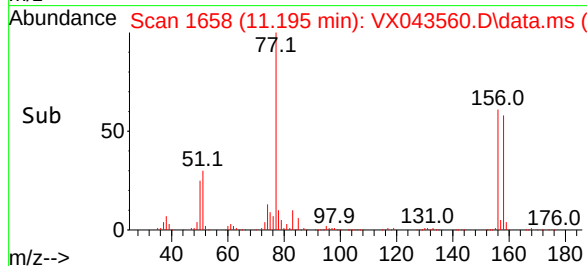
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:156 Resp: 206774
Ion Ratio Lower Upper
156 100
77 157.6 79.7 239.1
158 96.6 48.0 144.0

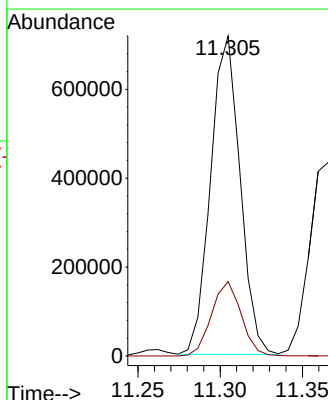
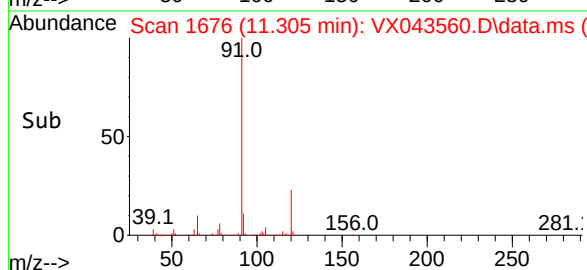
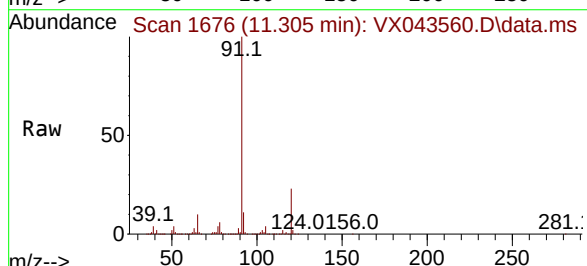
Manual Integrations
APPROVED

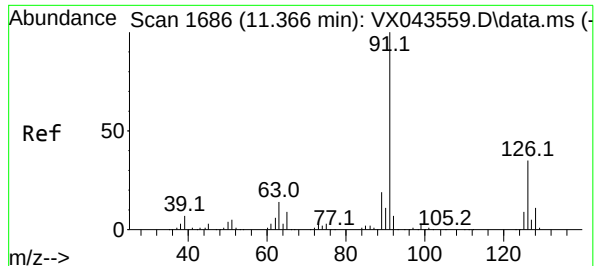
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#78
n-propylbenzene
Concen: 104.676 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 91 Resp: 894162
Ion Ratio Lower Upper
91 100
120 23.5 11.6 34.7





#79

2-Chlorotoluene

Concen: 97.800 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 560554

Ion Ratio Lower Upper

91 100

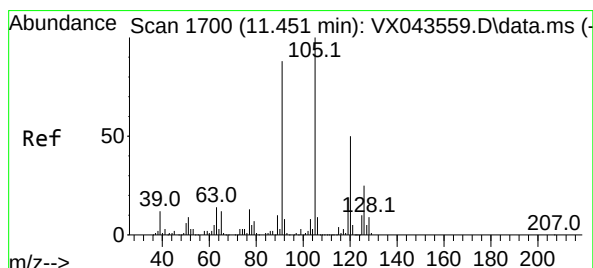
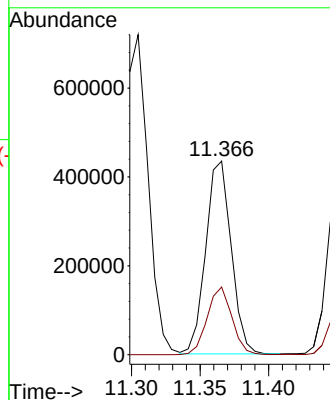
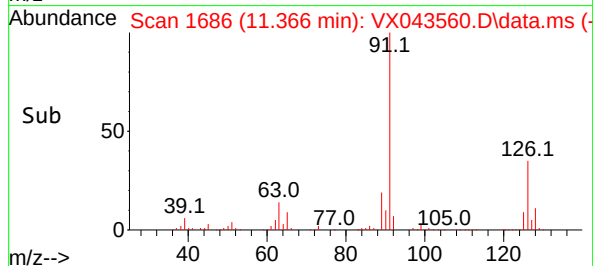
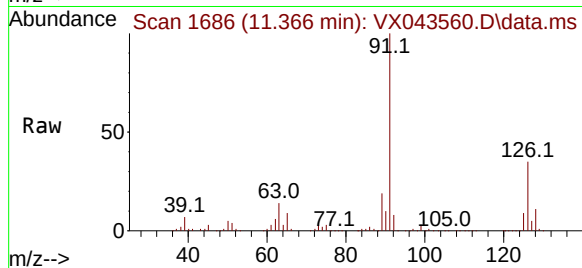
126 34.0 16.7 50.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#80

1,3,5-Trimethylbenzene

Concen: 100.572 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043560.D

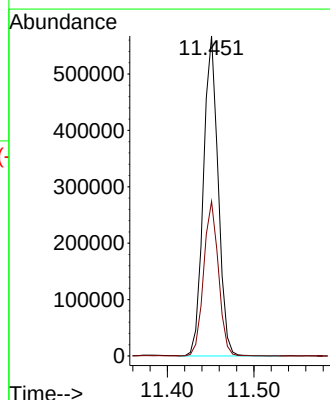
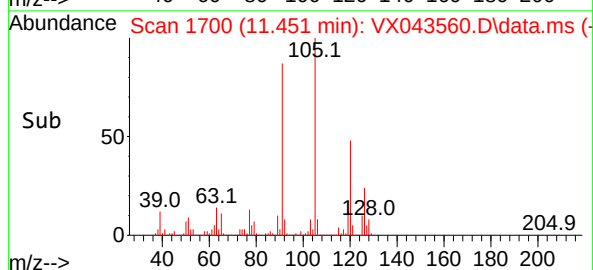
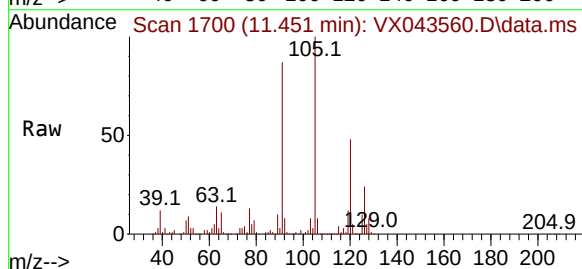
Acq: 28 Oct 2024 12:31

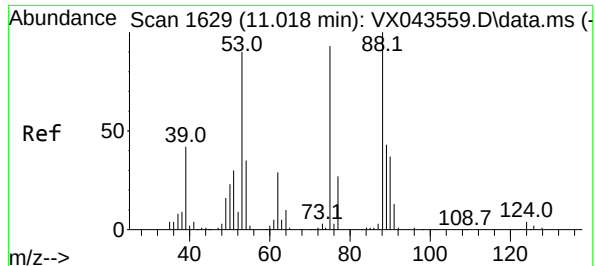
Tgt Ion:105 Resp: 669305

Ion Ratio Lower Upper

105 100

120 48.4 23.8 71.5





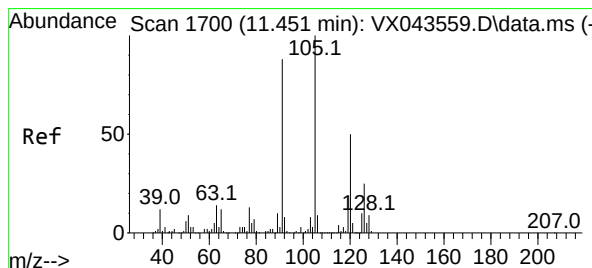
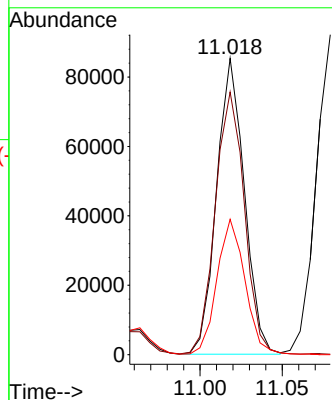
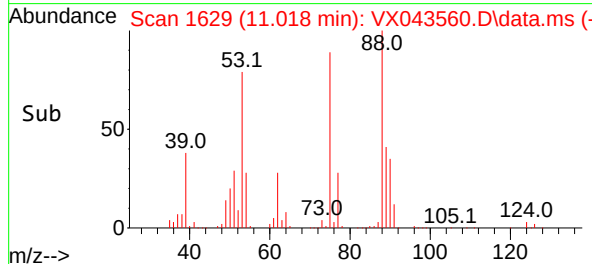
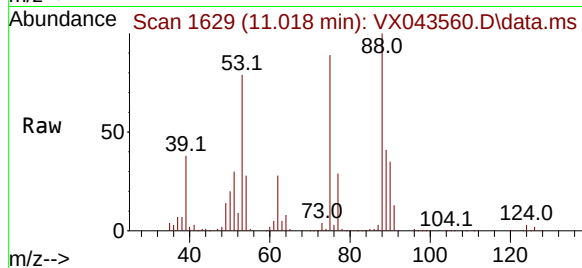
#81
trans-1,4-Dichloro-2-butene
Concen: 117.256 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 100170
Ion Ratio Lower Upper
75 100
53 92.6 84.6 126.8
89 46.4 38.6 58.0

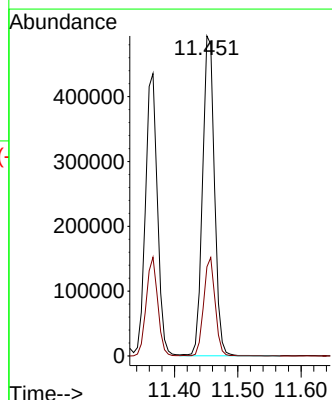
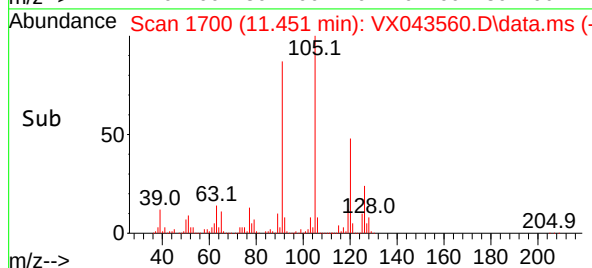
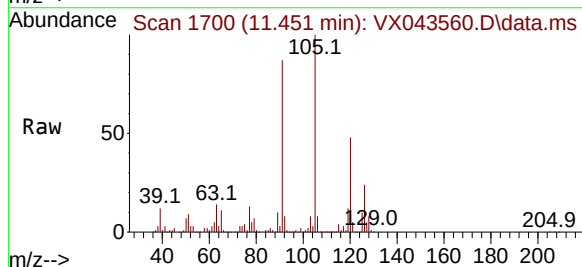
Manual Integrations
APPROVED

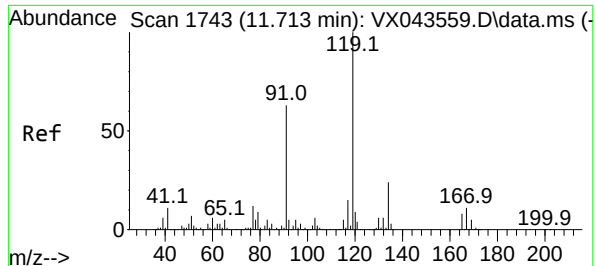
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#82
4-Chlorotoluene
Concen: 102.085 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

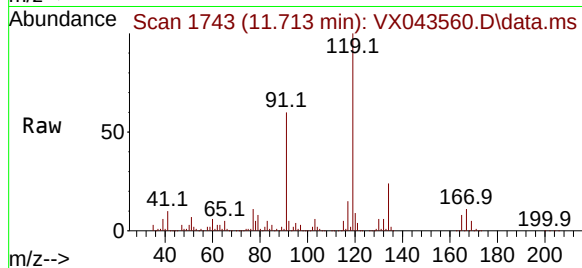
Tgt Ion: 91 Resp: 647524
Ion Ratio Lower Upper
91 100
126 29.4 14.2 42.8





#83
tert-Butylbenzene
Concen: 101.376 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

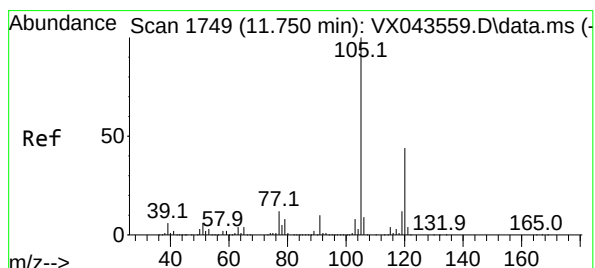
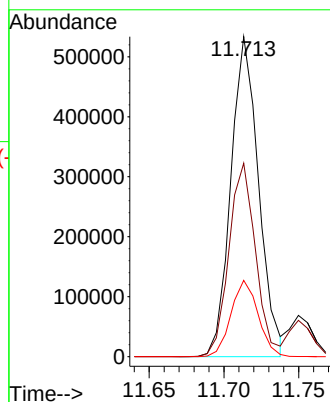
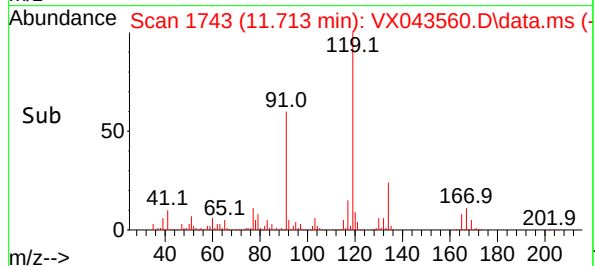
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:119 Resp: 688015
Ion Ratio Lower Upper
119 100
91 58.2 29.5 88.5
134 23.4 11.8 35.3

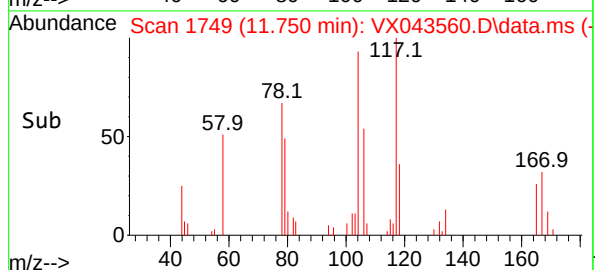
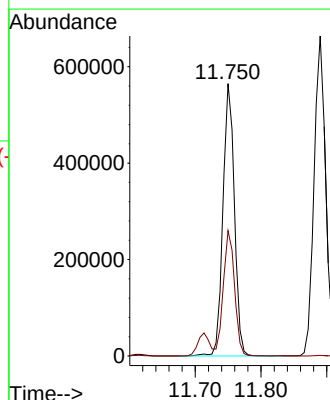
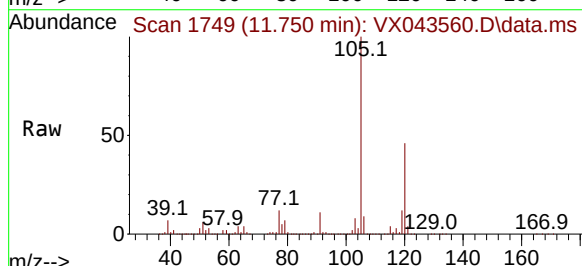
Manual Integrations
APPROVED

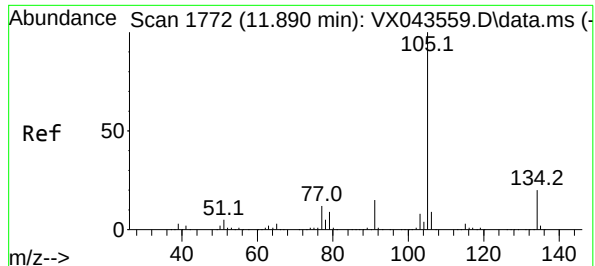
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#84
1,2,4-Trimethylbenzene
Concen: 100.532 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:105 Resp: 684269
Ion Ratio Lower Upper
105 100
120 44.8 22.1 66.1





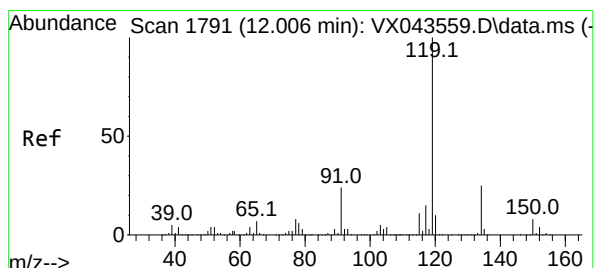
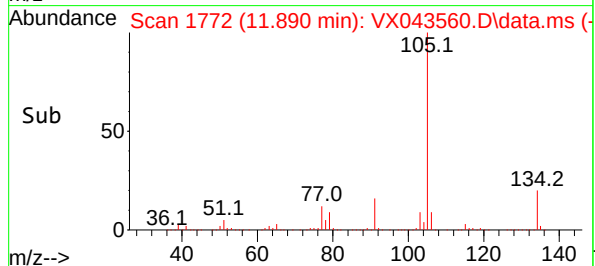
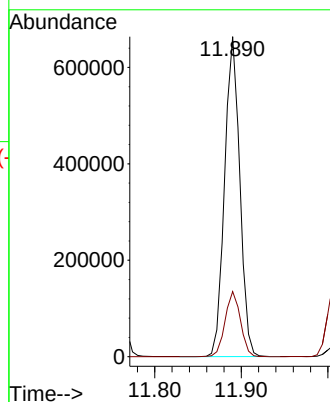
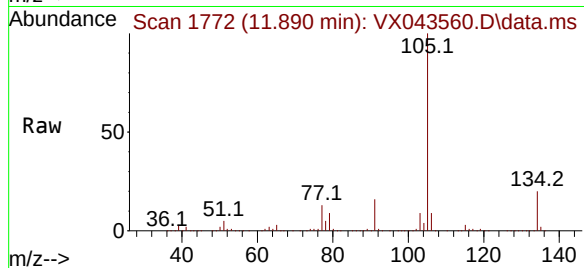
#85
sec-Butylbenzene
Concen: 102.828 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 80824
Ion Ratio Lower Upper
105 100
134 20.6 9.8 29.5

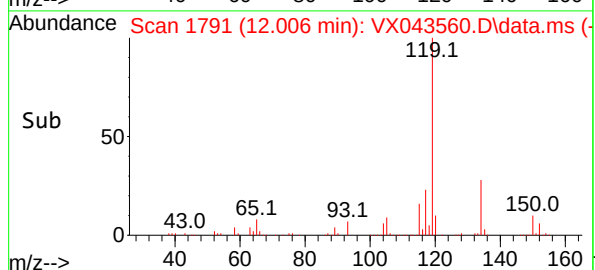
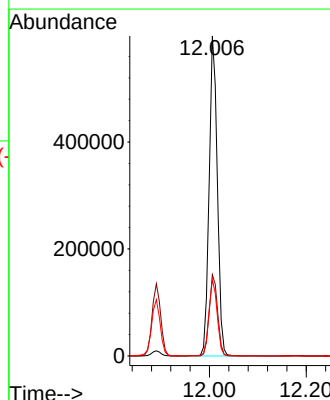
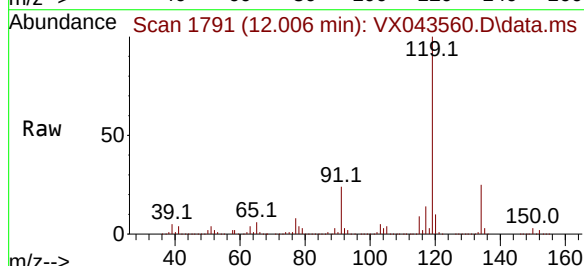
Manual Integrations
APPROVED

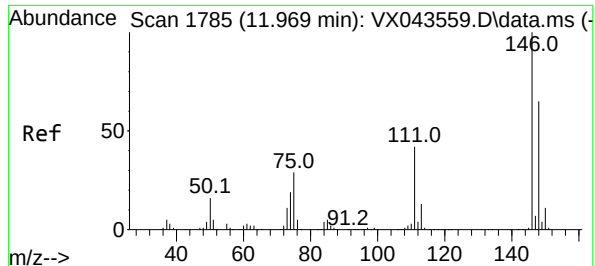
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#86
p-Isopropyltoluene
Concen: 108.063 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:119 Resp: 703703
Ion Ratio Lower Upper
119 100
134 25.9 13.1 39.1
91 24.1 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 101.044 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 370980

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.4

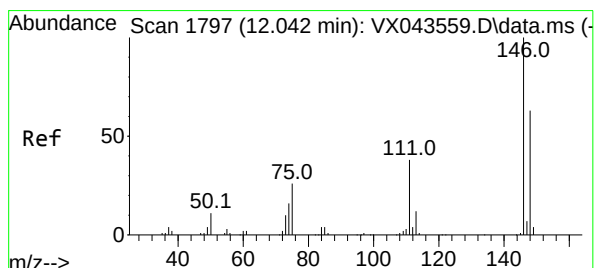
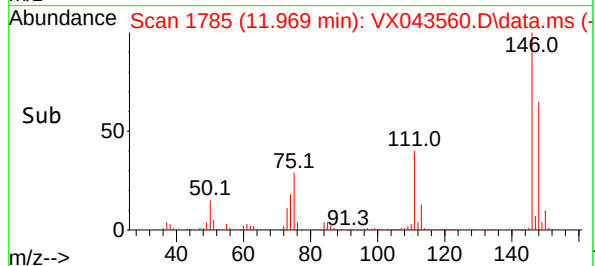
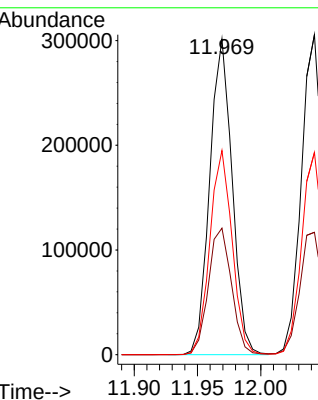
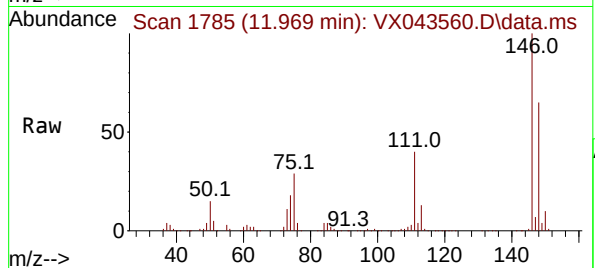
148 64.3 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#88

1,4-Dichlorobenzene

Concen: 100.386 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

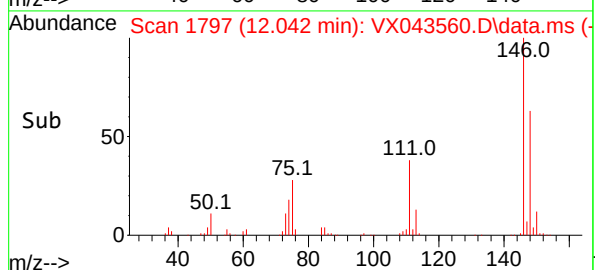
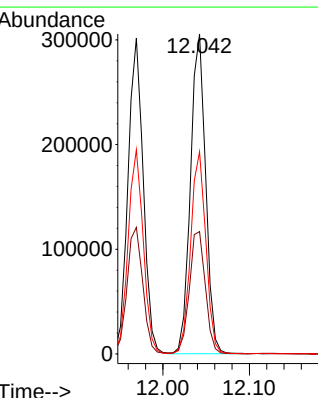
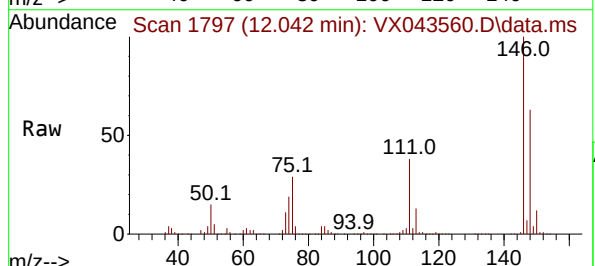
Tgt Ion:146 Resp: 371529

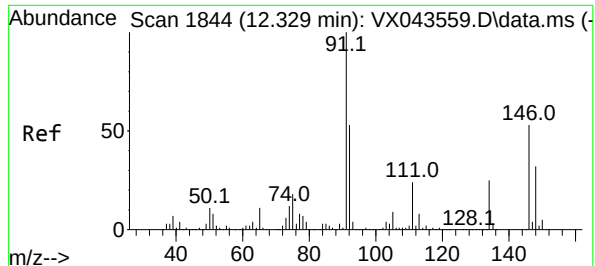
Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.3

148 63.4 31.9 95.9





#89

n-Butylbenzene

Concen: 114.147 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 60260

Ion Ratio Lower Upper

91 100

92 54.7 27.1 81.2

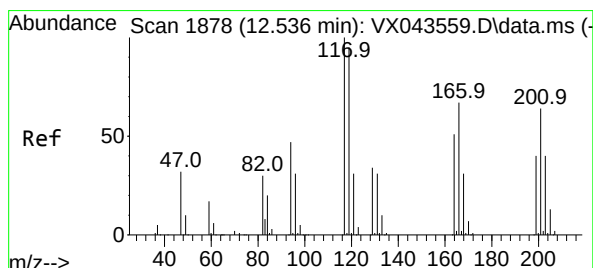
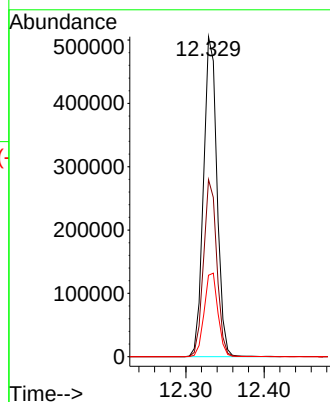
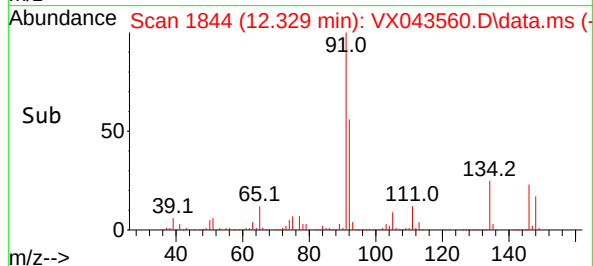
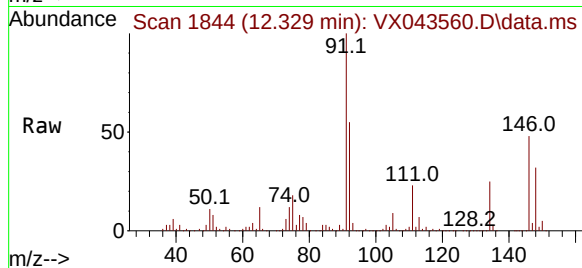
134 26.8 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#90

Hexachloroethane

Concen: 119.283 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043560.D

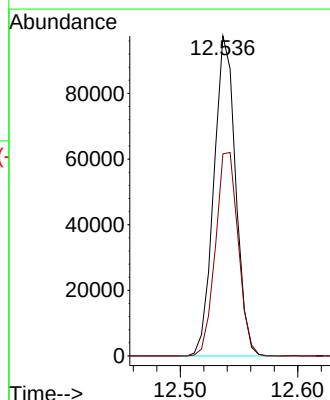
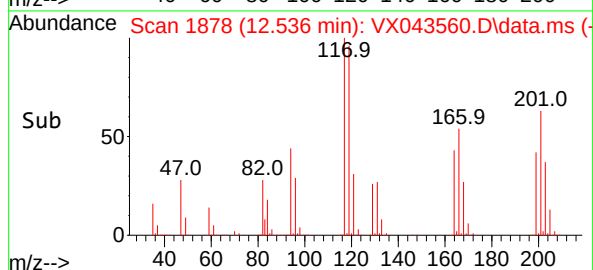
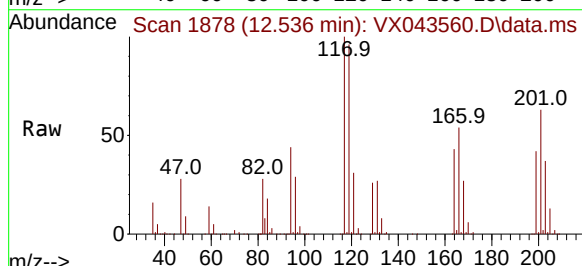
Acq: 28 Oct 2024 12:31

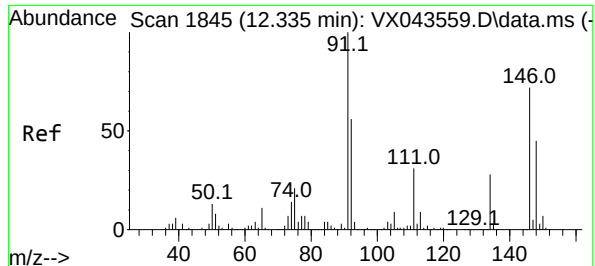
Tgt Ion:117 Resp: 125658

Ion Ratio Lower Upper

117 100

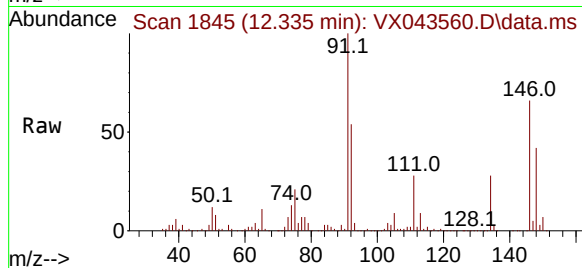
201 66.7 32.9 98.7





#91
1,2-Dichlorobenzene
Concen: 99.223 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

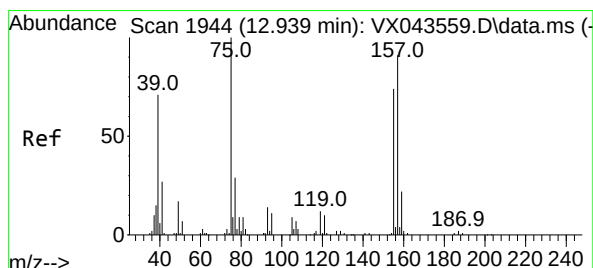
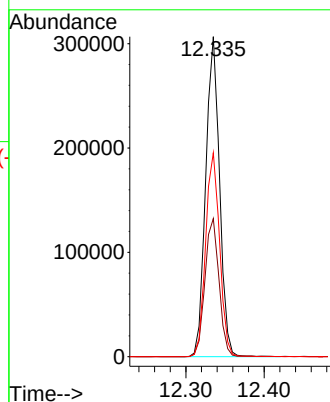
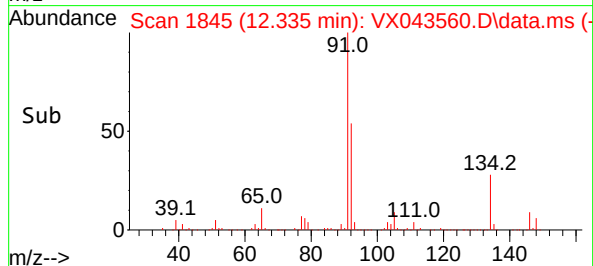
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:146 Resp: 375640
Ion Ratio Lower Upper
146 100
111 44.0 21.6 64.6
148 64.5 31.6 95.0

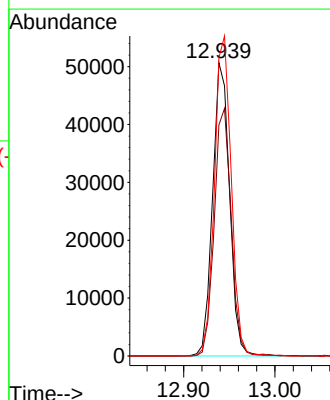
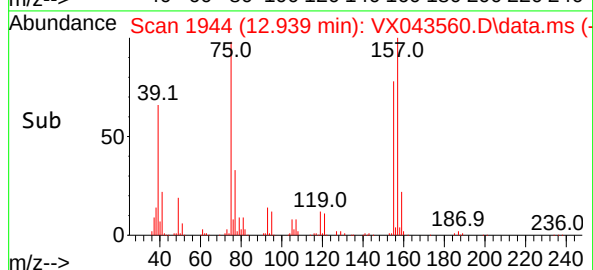
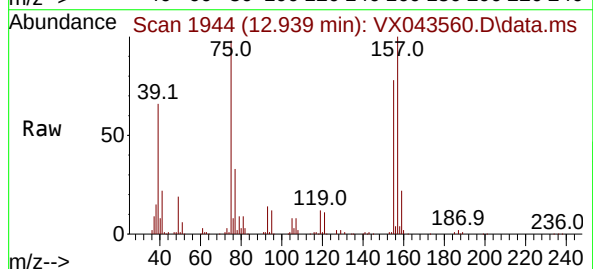
Manual Integrations
APPROVED

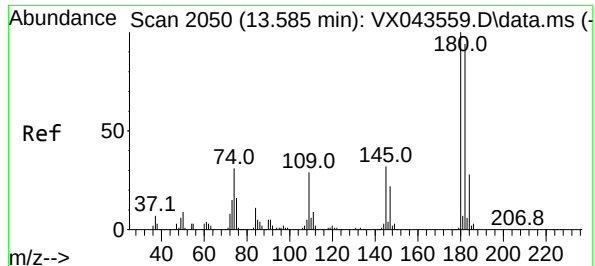
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 100.012 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 75 Resp: 65340
Ion Ratio Lower Upper
75 100
155 84.5 40.1 120.3
157 108.1 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 111.215 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

Instrument :

MSVOA_X

ClientSampleId :

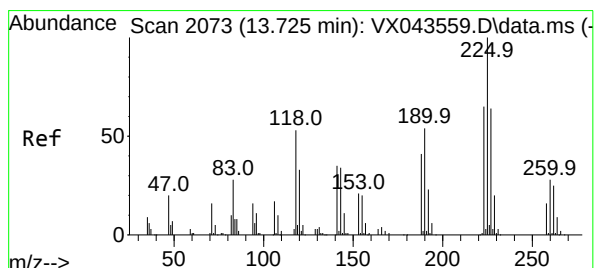
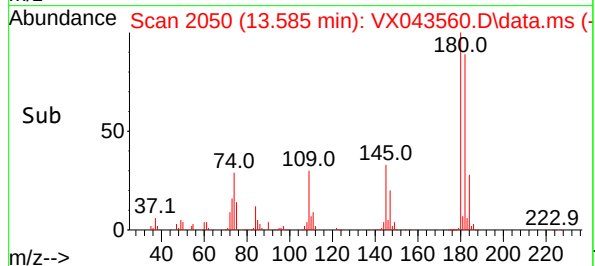
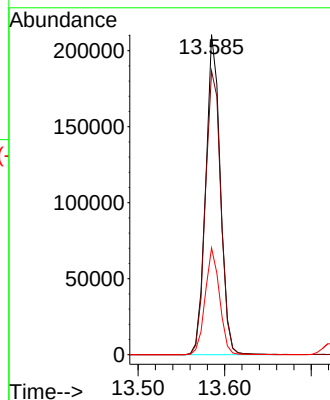
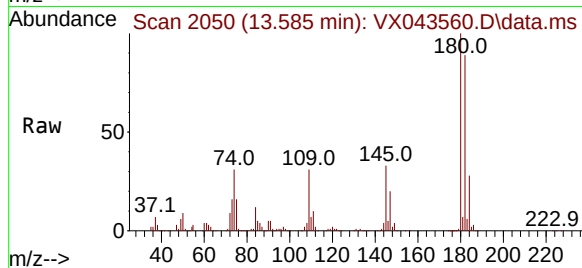
VSTDICC100

Tgt Ion:180	Resp:	24655
Ion Ratio	Lower	Upper
180	100	
182	93.7	46.8 140.4
145	32.7	16.1 48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#94

Hexachlorobutadiene

Concen: 111.843 ug/l

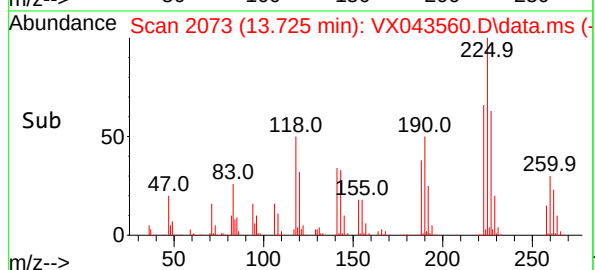
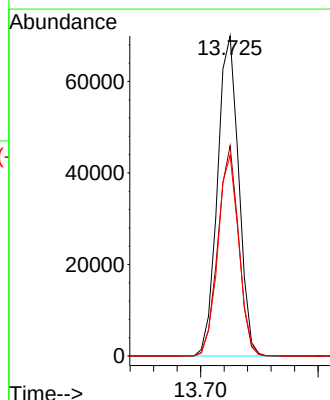
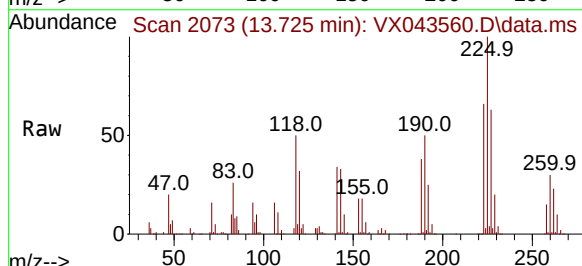
RT: 13.725 min Scan# 2073

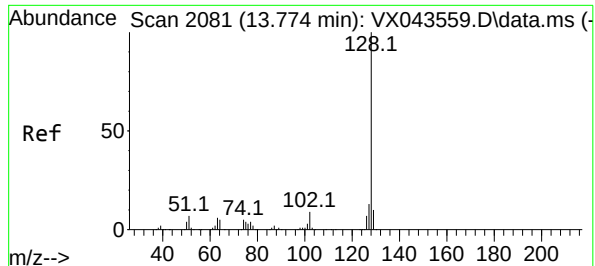
Delta R.T. 0.000 min

Lab File: VX043560.D

Acq: 28 Oct 2024 12:31

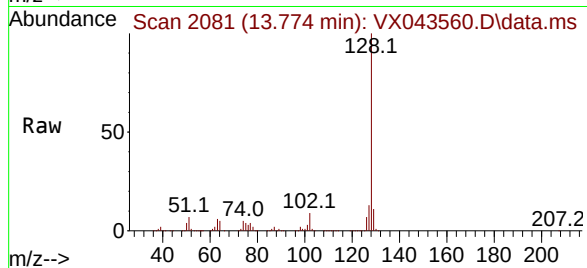
Tgt Ion:225	Resp:	87749
Ion Ratio	Lower	Upper
225	100	
223	63.5	30.8 92.4
227	61.9	31.6 94.8





#95
Naphthalene
Concen: 104.267 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

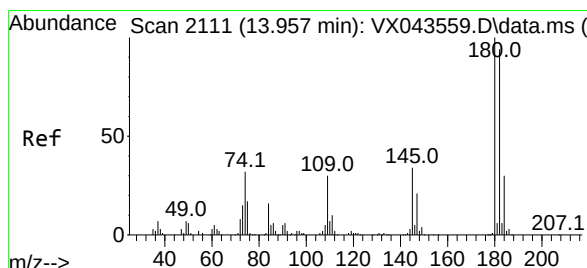
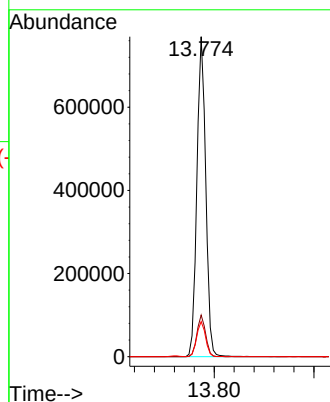
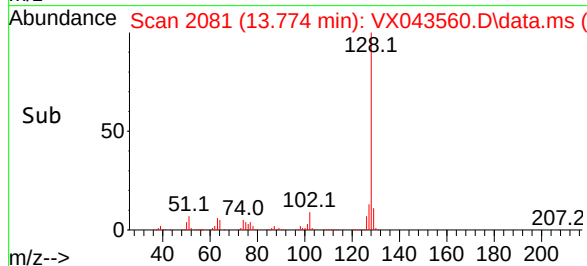
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:128 Resp: 948508
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.7 13.1

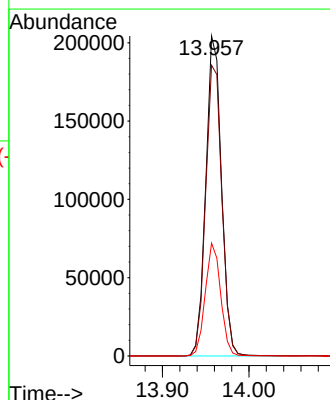
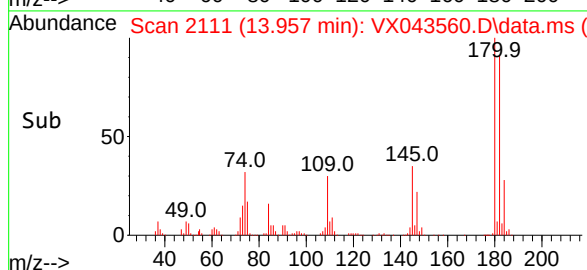
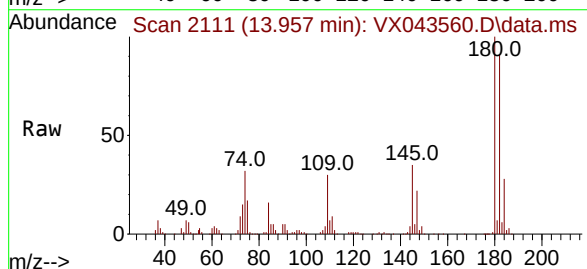
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 110.764 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:180 Resp: 256915
Ion Ratio Lower Upper
180 100
182 94.0 47.1 141.3
145 34.7 17.4 52.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043561.D
 Acq On : 28 Oct 2024 12:54
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
 Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	144618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	318806	138.969	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 277.940%#			
35) Dibromofluoromethane	5.385	113	256339	145.381	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 290.760%#			
50) Toluene-d8	8.647	98	851731	139.313	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 278.620%#			
62) 4-Bromofluorobenzene	11.079	95	329323	147.475	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 294.940%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	210421	130.533	ug/l	99
3) Chloromethane	1.295	50	265669	129.182	ug/l	100
4) Vinyl Chloride	1.374	62	256442	136.893	ug/l	98
5) Bromomethane	1.593	94	112014	153.092	ug/l	95
6) Chloroethane	1.660	64	90954	148.384	ug/l	100
7) Trichlorofluoromethane	1.861	101	310596	126.333	ug/l	100
8) Diethyl Ether	2.136	74	151359	140.945	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	212838	137.151	ug/l	99
10) Methyl Iodide	2.441	142	315072	146.614	ug/l	98
11) Tert butyl alcohol	3.026	59	337112	688.018	ug/l #	100
12) 1,1-Dichloroethene	2.307	96	222500	145.831	ug/l	96
13) Acrolein	2.239	56	241097	624.444	ug/l	98
14) Allyl chloride	2.654	41	395090	145.930	ug/l	98
15) Acrylonitrile	3.069	53	736707	678.747	ug/l	99
16) Acetone	2.392	43	639840	653.408	ug/l	99
17) Carbon Disulfide	2.495	76	532448	168.596	ug/l	99
18) Methyl Acetate	2.709	43	392340	133.313	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	867383	146.111	ug/l	97
20) Methylene Chloride	2.782	84	274424	143.401	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	236759	143.334	ug/l	97
22) Diisopropyl ether	3.764	45	790777	141.515	ug/l	96
23) Vinyl Acetate	3.721	43	3509530	760.241	ug/l	99
24) 1,1-Dichloroethane	3.605	63	454844	144.305	ug/l	99
25) 2-Butanone	4.568	43	995055	669.046	ug/l	99
26) 2,2-Dichloropropane	4.471	77	367692	161.856	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	306808	149.076	ug/l	98
28) Bromochloromethane	4.898	49	223906	143.593	ug/l	99
29) Tetrahydrofuran	5.013	42	639748	658.777	ug/l	99
30) Chloroform	5.093	83	471770	139.964	ug/l	99
31) Cyclohexane	5.458	56	333317	133.285	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	407373	143.818	ug/l	99
36) 1,1-Dichloropropene	5.684	75	292944	140.377	ug/l	99
37) Ethyl Acetate	4.721	43	384683	135.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	340536	143.607	ug/l	98
39) Methylcyclohexane	7.379	83	375923	140.469	ug/l	98
40) Benzene	6.031	78	989523	141.848	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043561.D
 Acq On : 28 Oct 2024 12:54
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
 Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:29:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	203044	141.732	ug/l	96
42) 1,2-Dichloroethane	6.086	62	370244	144.284	ug/l	99
43) Isopropyl Acetate	6.342	43	646810	143.566	ug/l	99
44) Trichloroethene	7.123	130	251726	152.200	ug/l	96
45) 1,2-Dichloropropane	7.428	63	254281	149.267	ug/l	99
46) Dibromomethane	7.580	93	200317	153.073	ug/l	98
47) Bromodichloromethane	7.818	83	379264	163.366	ug/l	99
48) Methyl methacrylate	7.696	41	320841	152.537	ug/l	98
49) 1,4-Dioxane	7.671	88	113004	2091.122	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	1948870	682.697	ug/l	99
52) Toluene	8.714	92	611241	142.120	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	405296	172.509	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	426054	165.131	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	259723	143.100	ug/l	99
56) Ethyl methacrylate	9.116	69	449693	153.315	ug/l	97
57) 1,3-Dichloropropane	9.305	76	437811	146.096	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1091414	756.448	ug/l	98
59) 2-Hexanone	9.433	43	1462736	677.655	ug/l	98
60) Dibromochloromethane	9.519	129	299138	176.144	ug/l	99
61) 1,2-Dibromoethane	9.610	107	275091	150.355	ug/l	99
64) Tetrachloroethene	9.269	164	198596	136.289	ug/l	95
65) Chlorobenzene	10.080	112	703451	145.269	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	250797	153.341	ug/l	100
67) Ethyl Benzene	10.195	91	1141257	141.675	ug/l	100
68) m/p-Xylenes	10.299	106	878867	287.969	ug/l	97
69) o-Xylene	10.640	106	450386	143.559	ug/l	98
70) Styrene	10.653	104	777762	153.173	ug/l	100
71) Bromoform	10.799	173	207497	188.187	ug/l #	97
73) Isopropylbenzene	10.964	105	1088275	135.577	ug/l	99
74) N-amyl acetate	10.842	43	575386	142.309	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	402017	130.738	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	335384m	128.467	ug/l	
77) Bromobenzene	11.195	156	285385	139.269	ug/l	98
78) n-propylbenzene	11.305	91	1224689	143.160	ug/l	99
79) 2-Chlorotoluene	11.366	91	773459	134.748	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	914265	137.180	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	145480	170.044	ug/l	91
82) 4-Chlorotoluene	11.451	91	893567	140.669	ug/l	97
83) tert-Butylbenzene	11.713	119	935627	137.660	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	953082	139.821	ug/l	100
85) sec-Butylbenzene	11.890	105	1112980	141.391	ug/l	98
86) p-Isopropyltoluene	12.006	119	958987	147.051	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	521523	141.838	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	522586	140.994	ug/l	99
89) n-Butylbenzene	12.329	91	830990	157.180	ug/l	99
90) Hexachloroethane	12.536	117	179474	170.120	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	534157	140.889	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	94746	144.811	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	354426	159.641	ug/l	99
94) Hexachlorobutadiene	13.725	225	118245	150.492	ug/l	98
95) Naphthalene	13.774	128	1350122	148.198	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	363960	156.686	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

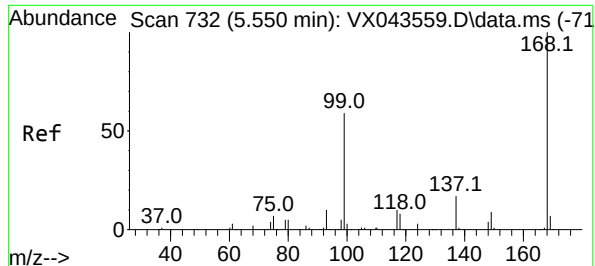
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min MSVOA_X

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:168 Resp: 144618

Ion Ratio Lower Upper

168 100

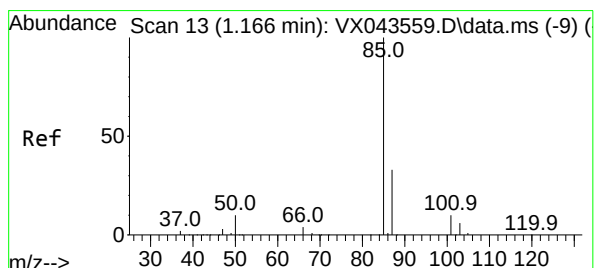
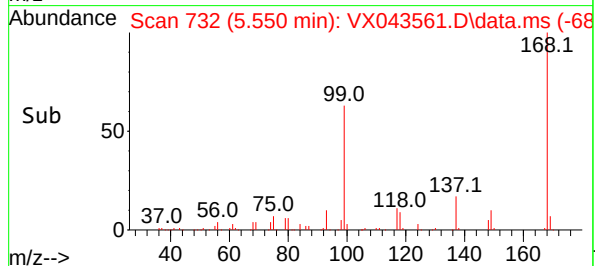
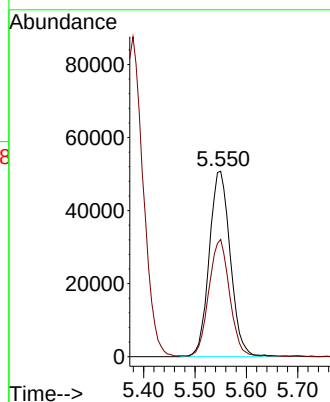
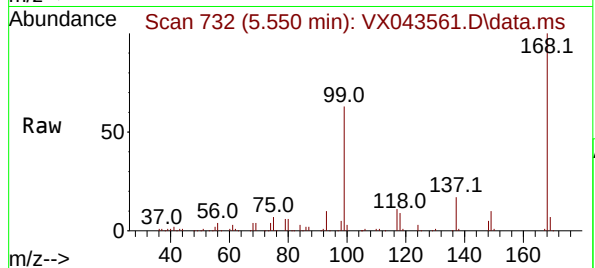
99 63.0 52.6 78.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#2

Dichlorodifluoromethane

Concen: 130.533 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX043561.D

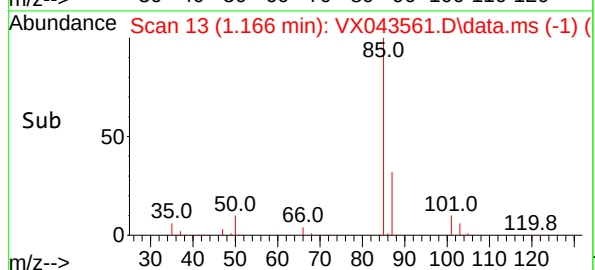
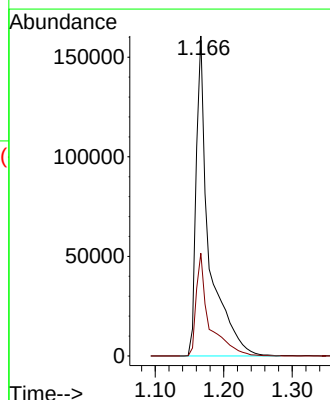
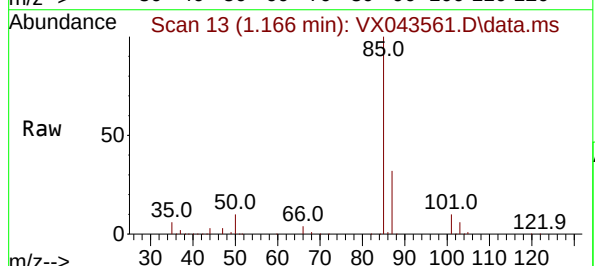
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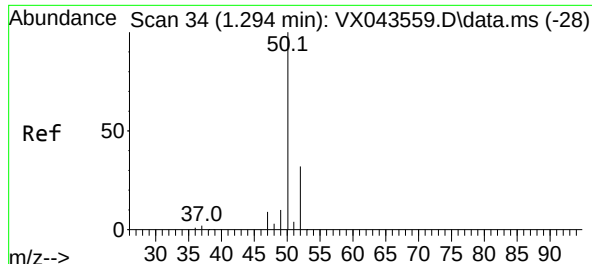
Tgt Ion: 85 Resp: 210421

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.0





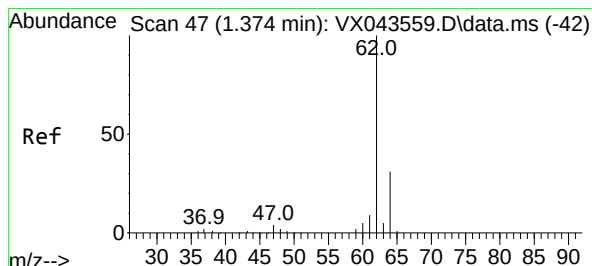
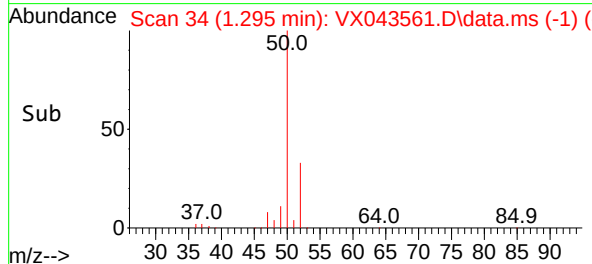
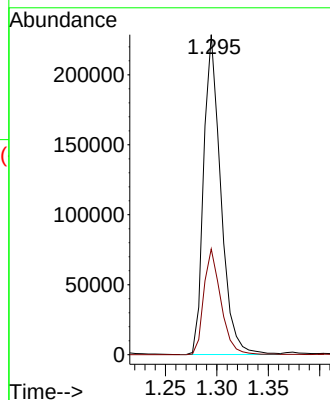
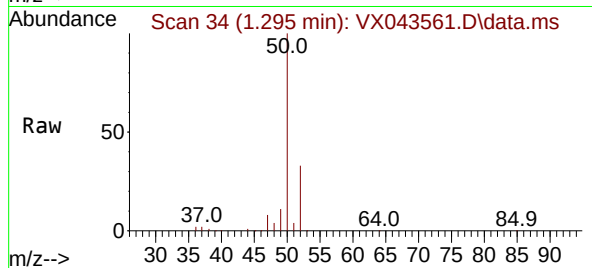
#3
Chloromethane
Concen: 129.182 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 265669
Ion Ratio Lower Upper
50 100
52 33.1 26.3 39.5

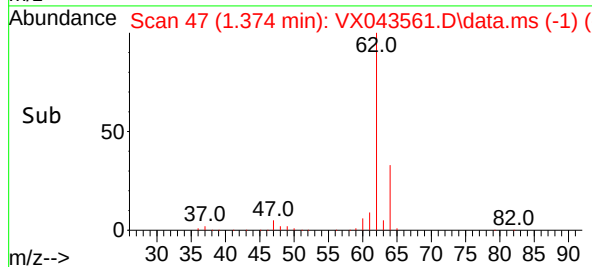
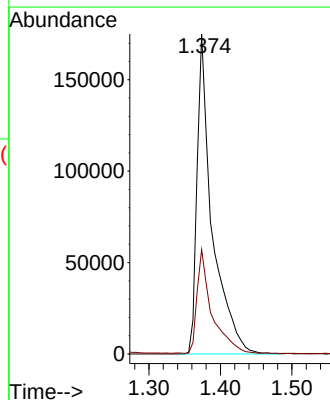
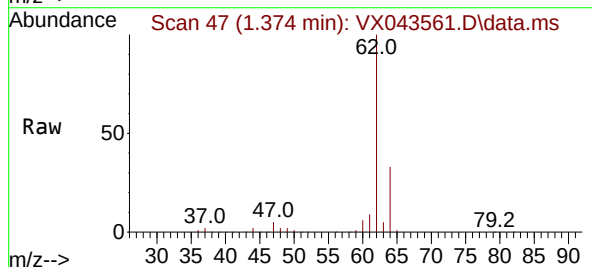
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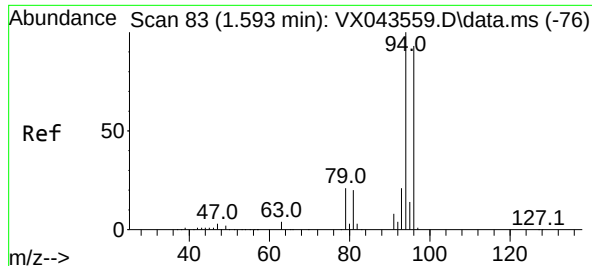
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#4
Vinyl Chloride
Concen: 136.893 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 62 Resp: 256442
Ion Ratio Lower Upper
62 100
64 32.5 25.0 37.4





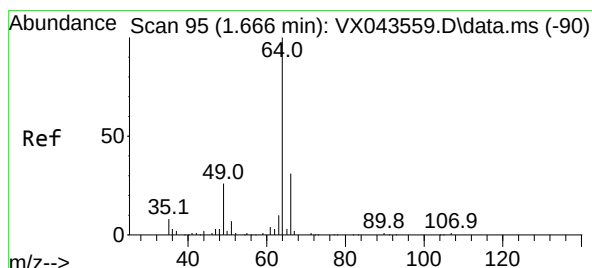
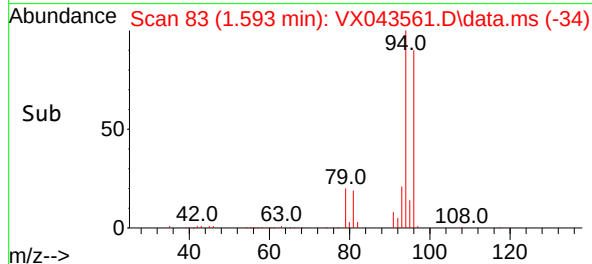
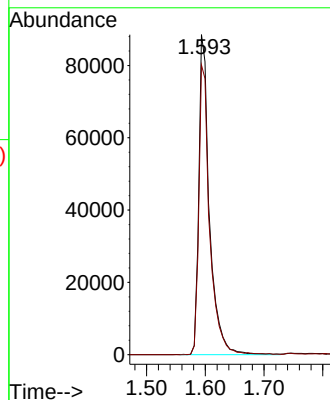
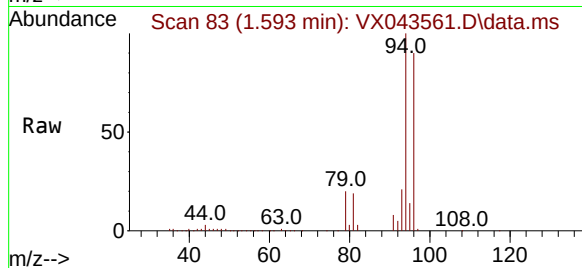
#5
Bromomethane
Concen: 153.092 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 112014
Ion Ratio Lower Upper
94 100
96 90.5 75.9 113.9

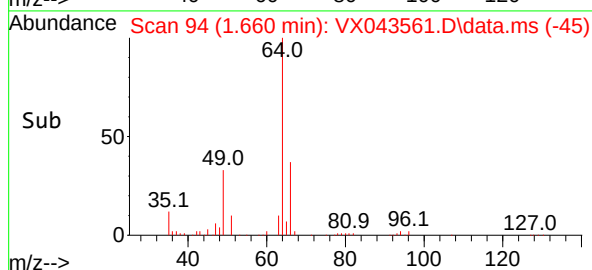
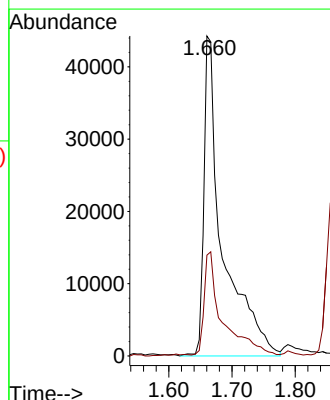
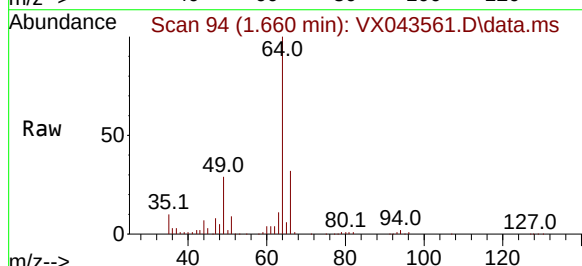
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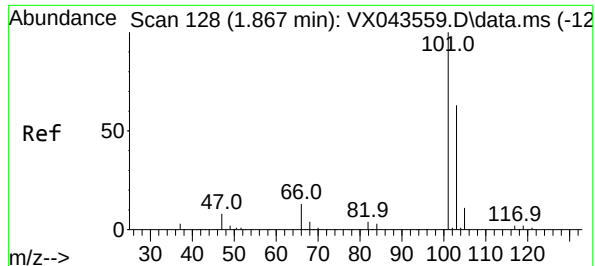
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#6
Chloroethane
Concen: 148.384 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

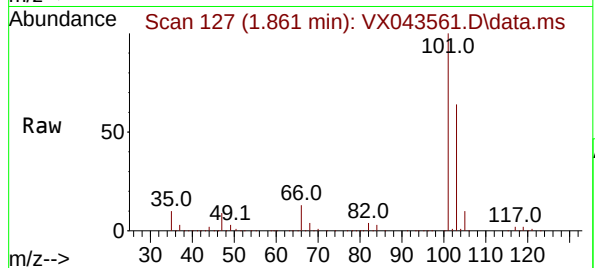
Tgt Ion: 64 Resp: 90954
Ion Ratio Lower Upper
64 100
66 31.2 25.1 37.7





#7
Trichlorofluoromethane
Concen: 126.333 ug/l
RT: 1.861 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

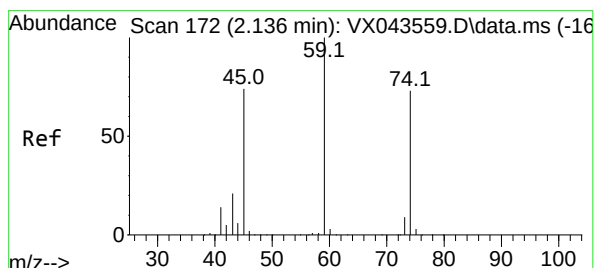
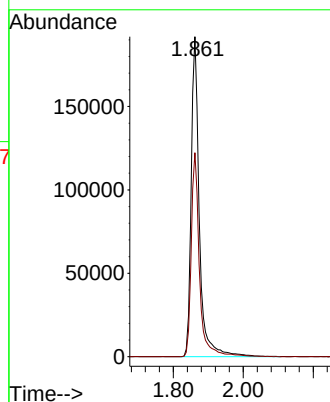
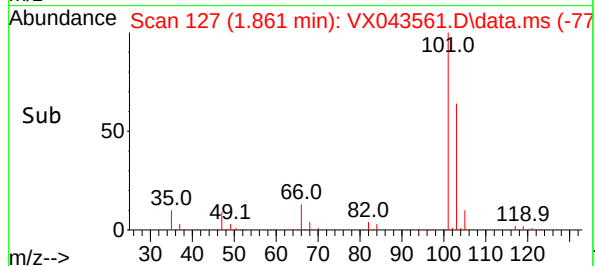
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:101 Resp: 310590
Ion Ratio Lower Upper
101 100
103 63.7 51.3 76.9

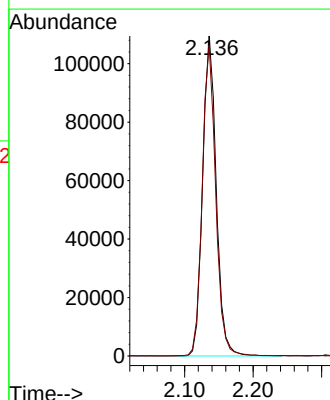
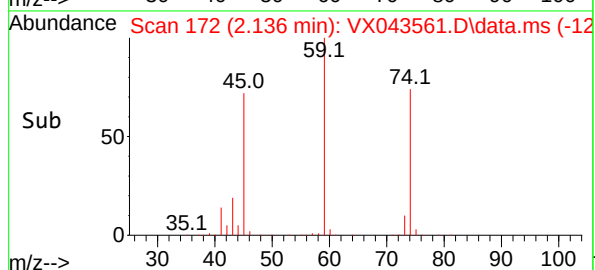
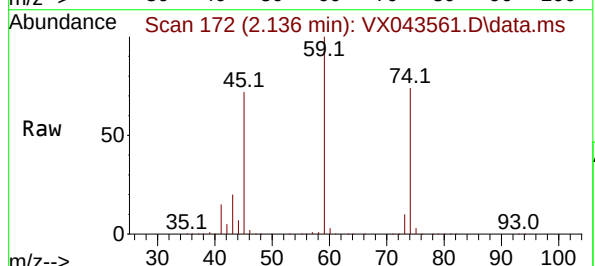
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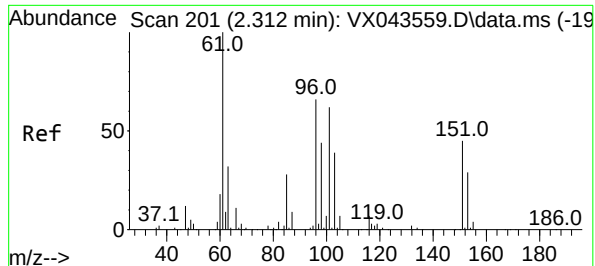
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#8
Diethyl Ether
Concen: 140.945 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 74 Resp: 151359
Ion Ratio Lower Upper
74 100
45 96.0 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.151 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:101 Resp: 21283

Ion Ratio Lower Upper

101 100

85 43.2 34.5 51.7

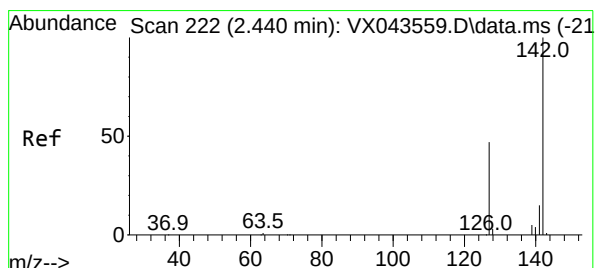
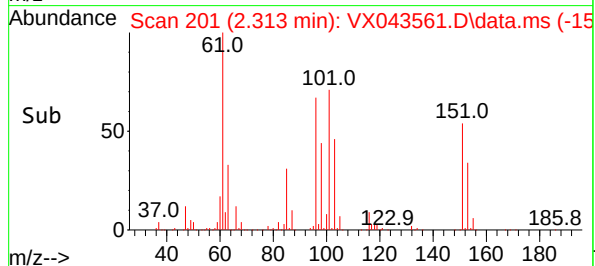
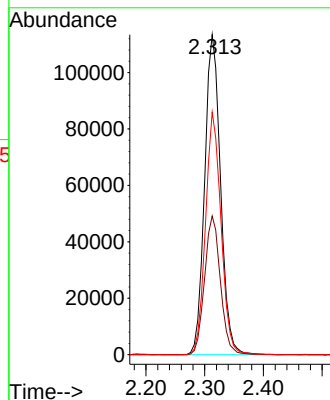
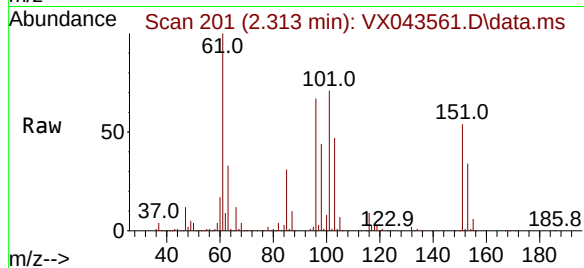
151 74.1 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#10

Methyl Iodide

Concen: 146.614 ug/l

RT: 2.441 min Scan# 222

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

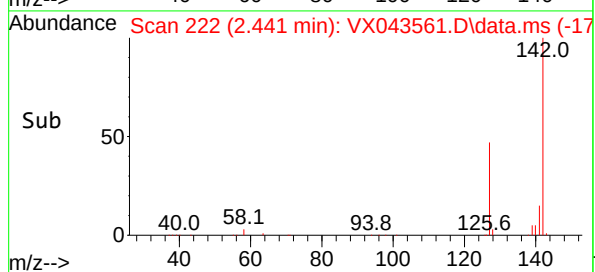
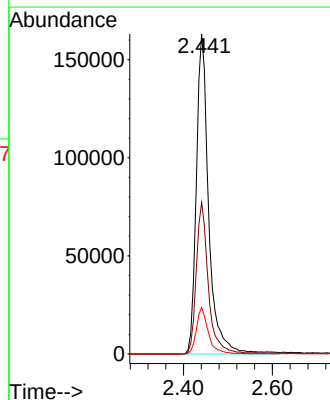
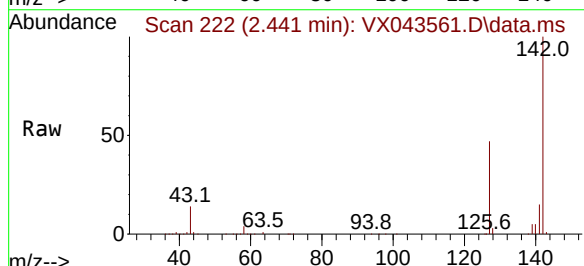
Tgt Ion:142 Resp: 315072

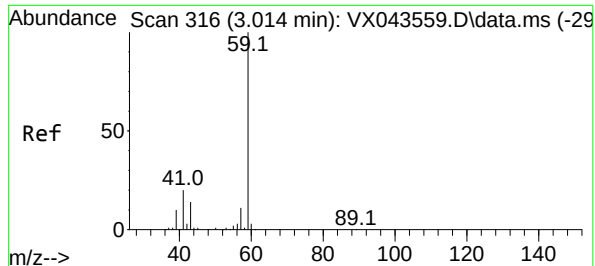
Ion Ratio Lower Upper

142 100

127 45.9 38.2 57.4

141 14.1 11.5 17.3





#11

Tert butyl alcohol

Concen: 688.018 ug/l

RT: 3.026 min Scan# 316

Delta R.T. -0.024 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 337112

Ion Ratio Lower Upper

59 100

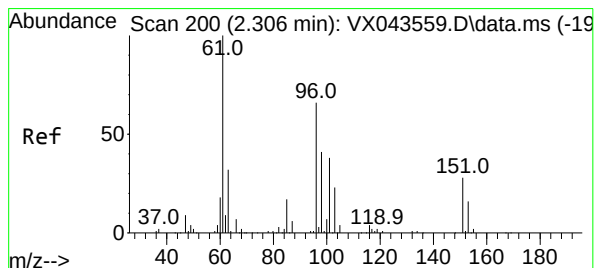
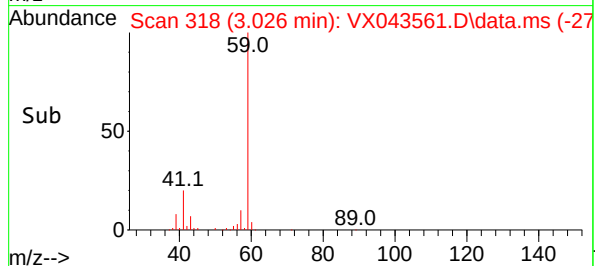
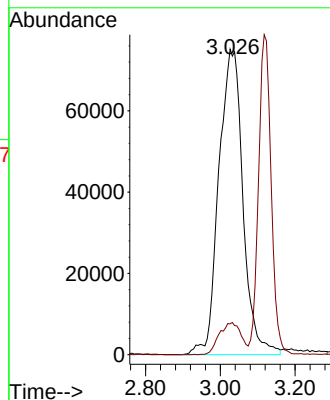
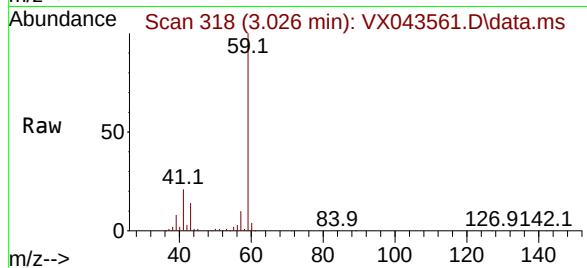
57 9.6 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#12

1,1-Dichloroethene

Concen: 145.831 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

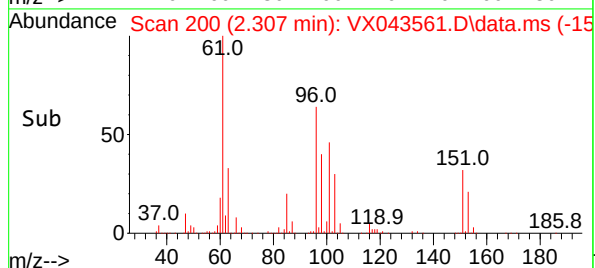
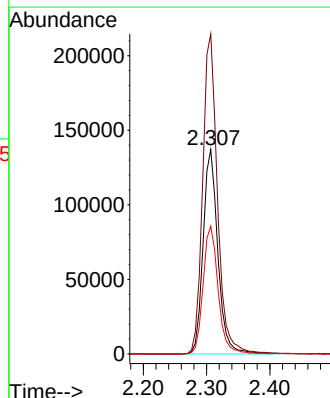
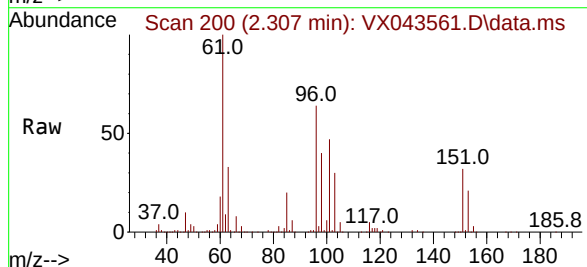
Tgt Ion: 96 Resp: 222500

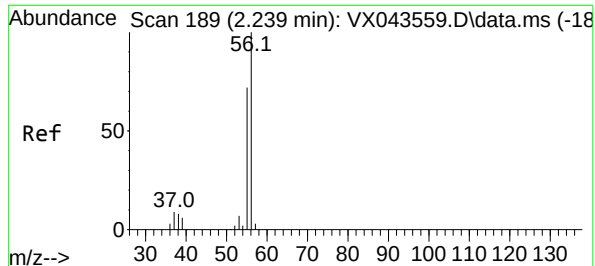
Ion Ratio Lower Upper

96 100

61 156.5 130.2 195.4

98 62.6 51.0 76.6





#13

Acrolein

Concen: 624.444 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 24109

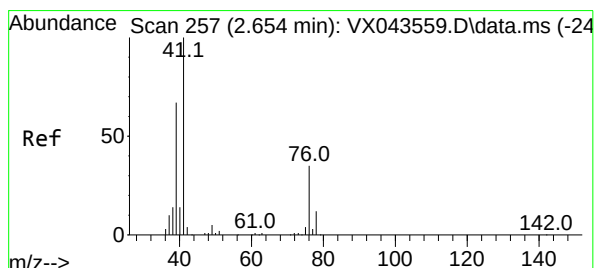
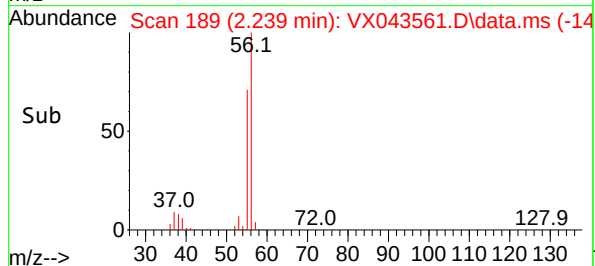
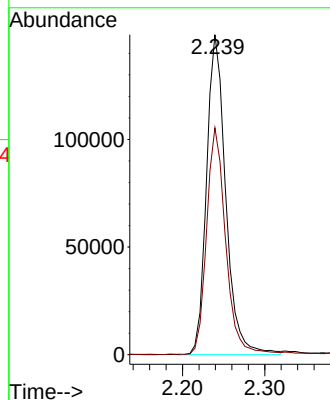
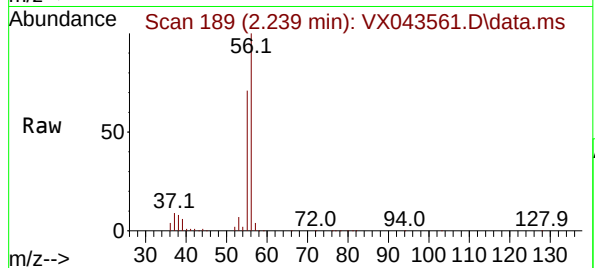
Ion Ratio Lower Upper

56 100

55 70.8 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

#14

Allyl chloride

Concen: 145.930 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

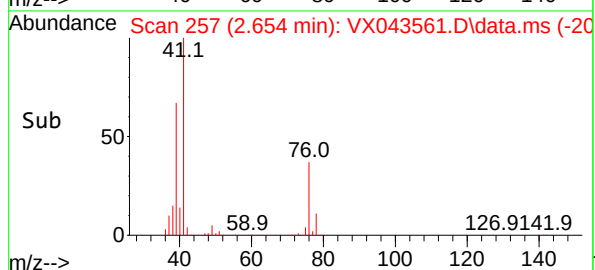
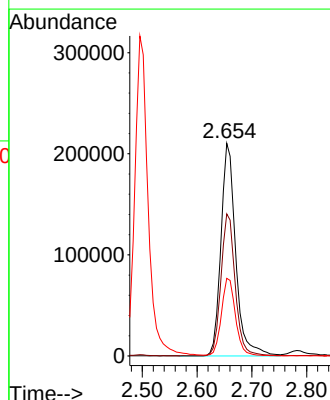
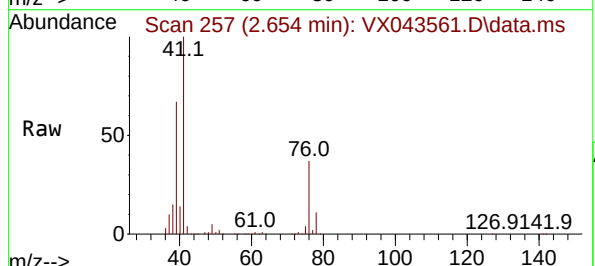
Tgt Ion: 41 Resp: 395090

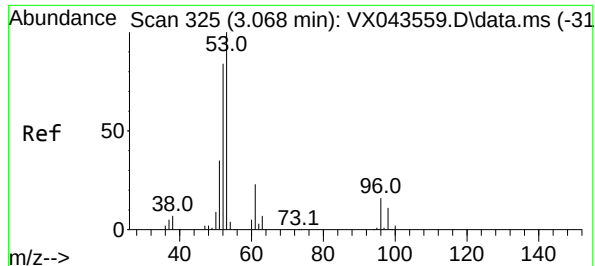
Ion Ratio Lower Upper

41 100

39 64.4 53.2 79.8

76 34.9 27.0 40.6





#15

Acrylonitrile

Concen: 678.747 ug/l

RT: 3.069 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

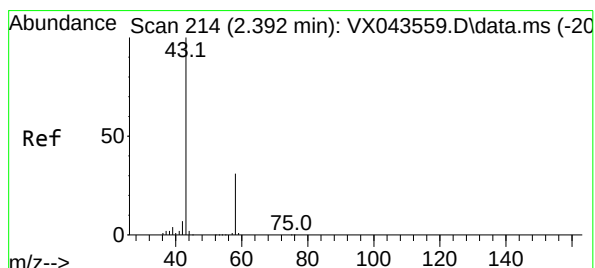
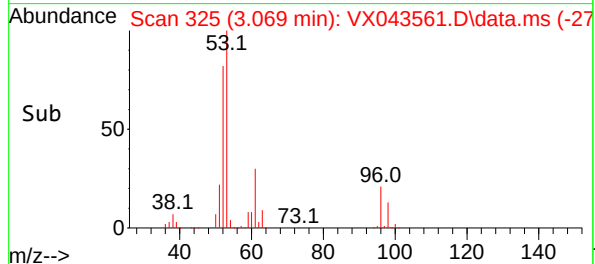
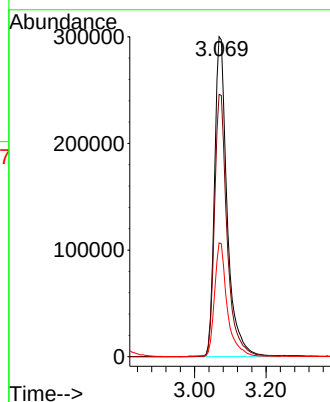
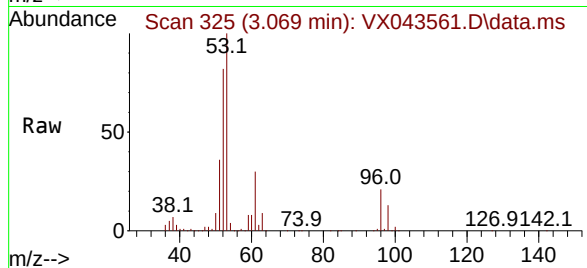
VSTDICC150

Tgt Ion: 53	Resp: 73670
Ion Ratio	Lower Upper
53 100	
52 81.6	65.8 98.6
51 35.3	28.5 42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#16

Acetone

Concen: 653.408 ug/l

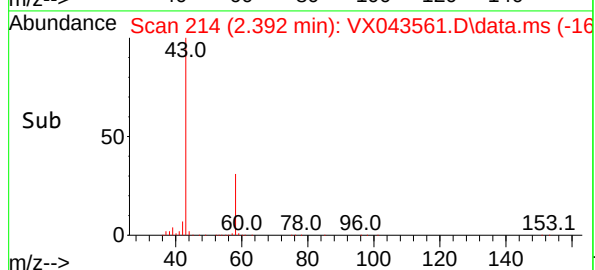
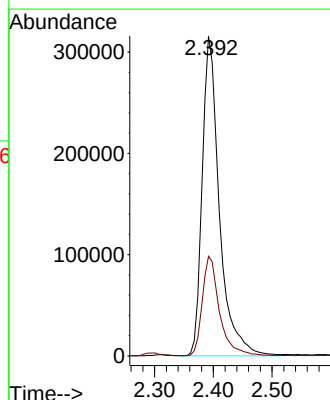
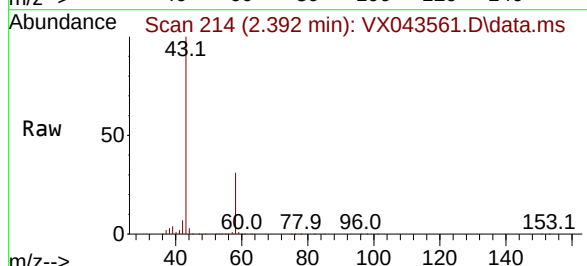
RT: 2.392 min Scan# 214

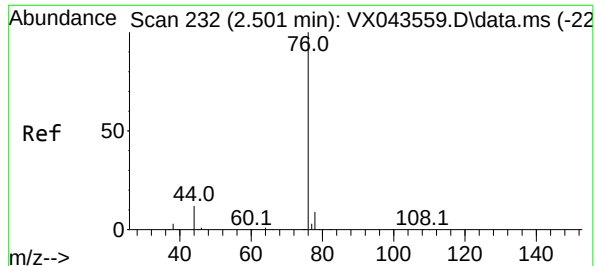
Delta R.T. -0.006 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Tgt Ion: 43	Resp: 639840
Ion Ratio	Lower Upper
43 100	
58 31.0	25.1 37.7





#17

Carbon Disulfide

Concen: 168.596 ug/l

RT: 2.495 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 532448

Ion Ratio Lower Upper

76 100

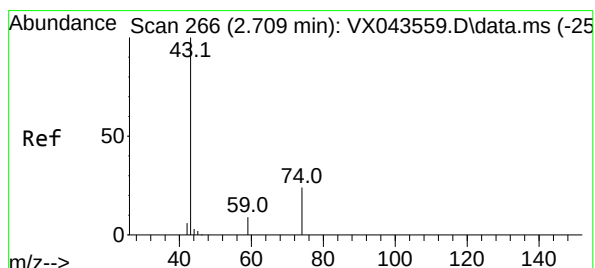
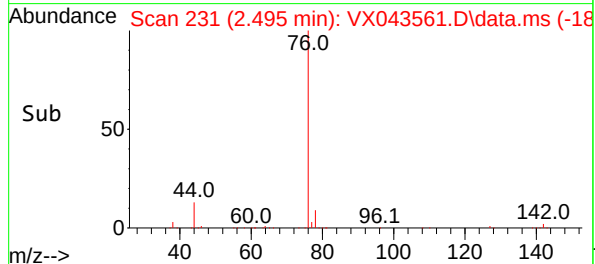
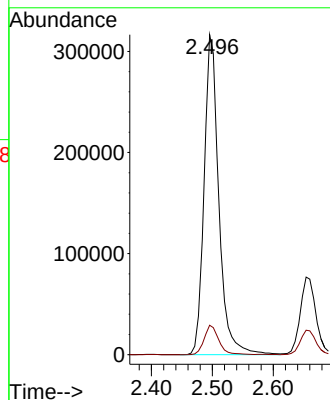
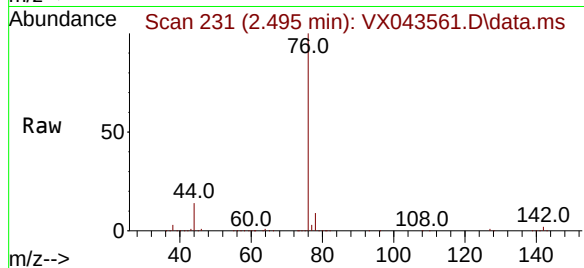
78 9.2 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#18

Methyl Acetate

Concen: 133.313 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX043561.D

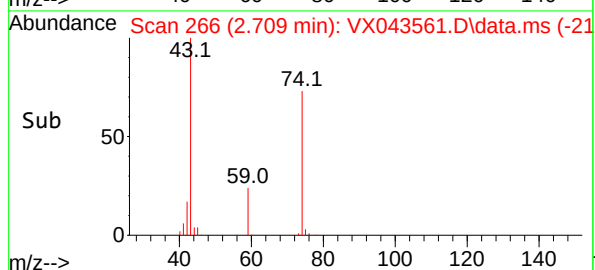
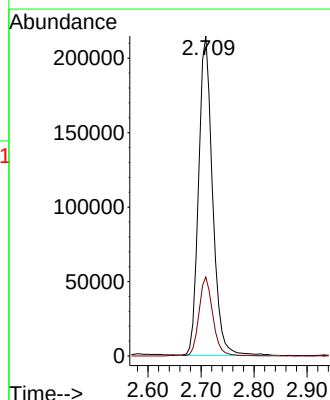
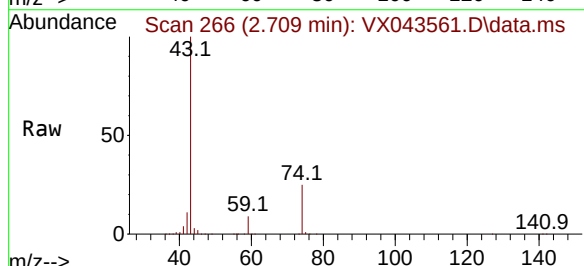
Acq: 28 Oct 2024 12:54

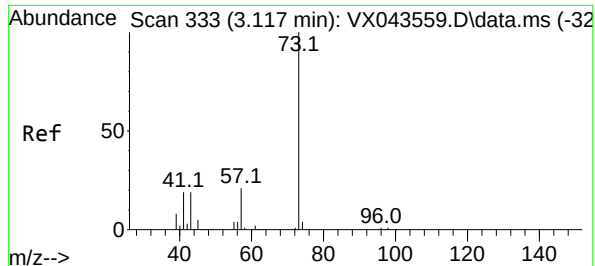
Tgt Ion: 43 Resp: 392340

Ion Ratio Lower Upper

43 100

74 24.6 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 146.111 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 86738

Ion Ratio Lower Upper

73 100

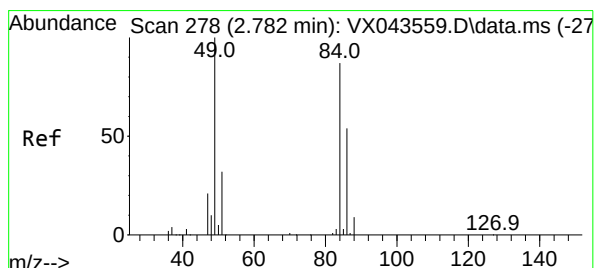
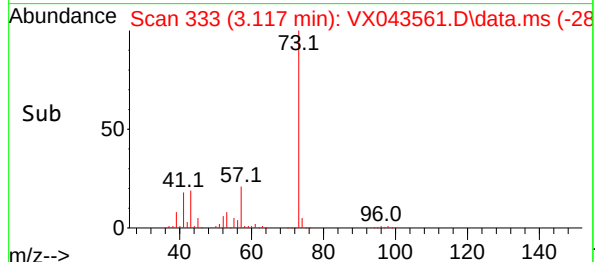
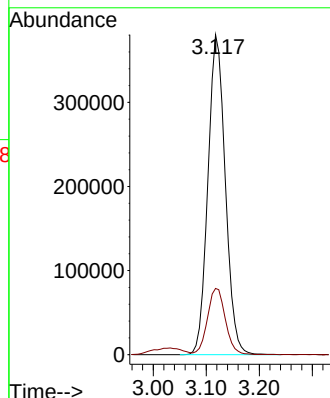
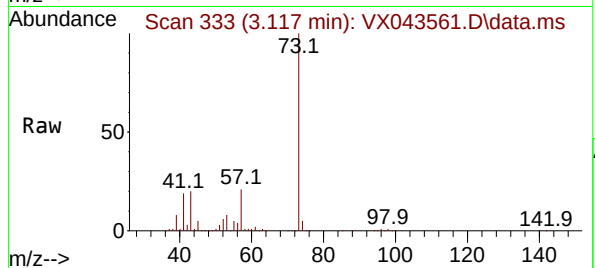
57 20.7 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#20

Methylene Chloride

Concen: 143.401 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Tgt Ion: 84 Resp: 274424

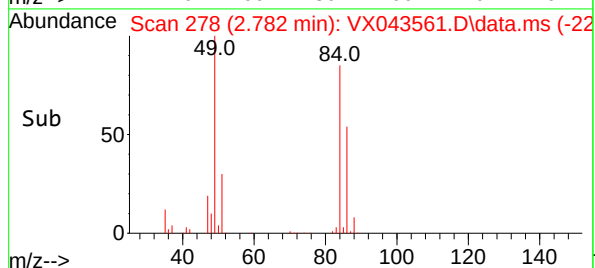
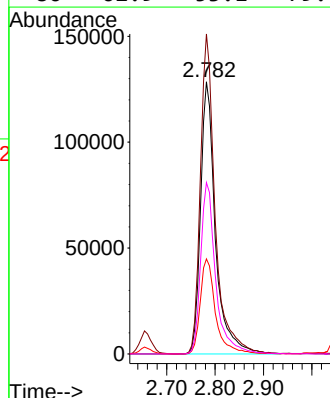
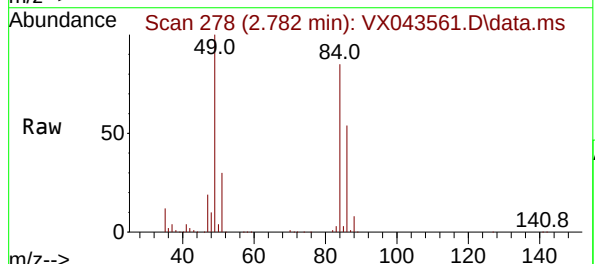
Ion Ratio Lower Upper

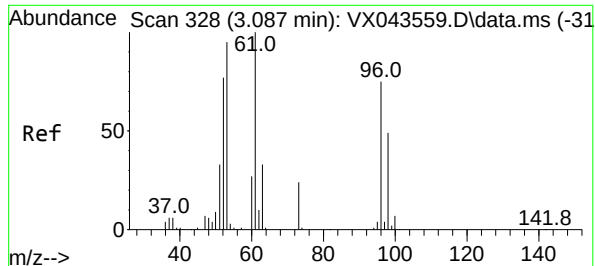
84 100

49 117.5 97.0 145.6

51 34.9 29.8 44.8

86 62.9 53.1 79.7





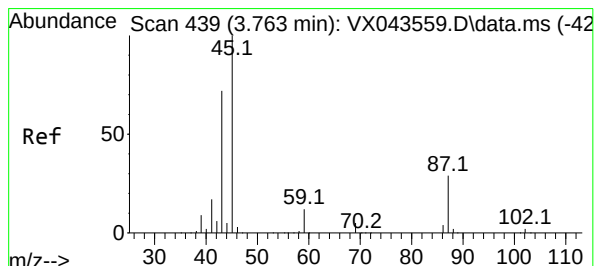
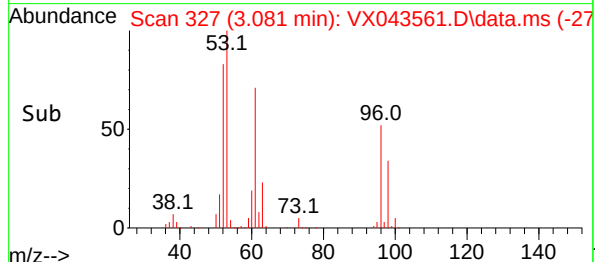
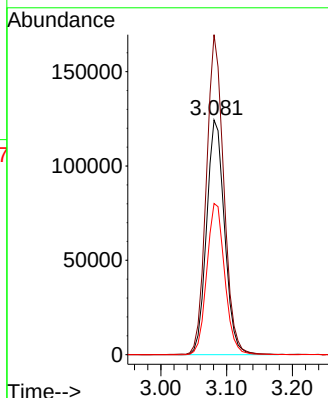
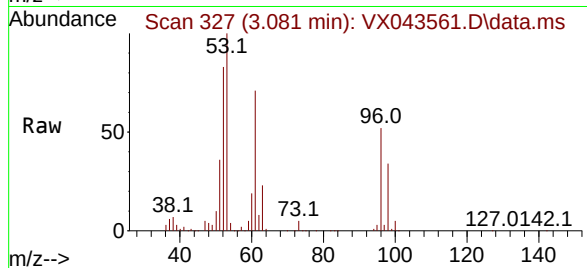
#21
trans-1,2-Dichloroethene
Concen: 143.334 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 236759
Ion Ratio Lower Upper
96 100
61 136.2 107.1 160.7
98 64.4 47.7 71.5

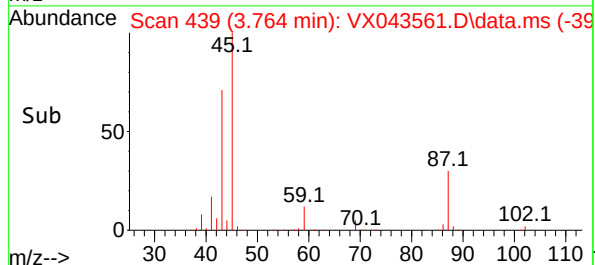
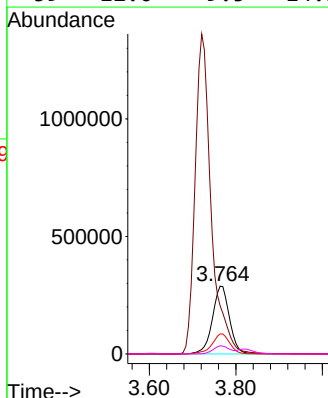
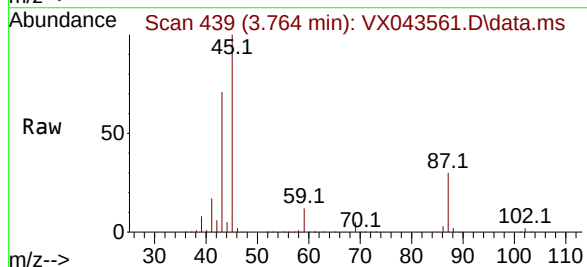
Manual Integrations
APPROVED

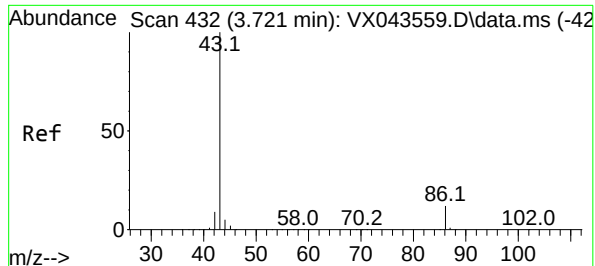
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#22
Diisopropyl ether
Concen: 141.515 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 45 Resp: 790777
Ion Ratio Lower Upper
45 100
43 71.1 60.6 90.8
87 29.5 22.0 33.0
59 12.0 9.5 14.3





#23

Vinyl Acetate

Concen: 760.241 ug/l

RT: 3.721 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 3509530

Ion Ratio Lower Upper

43 100

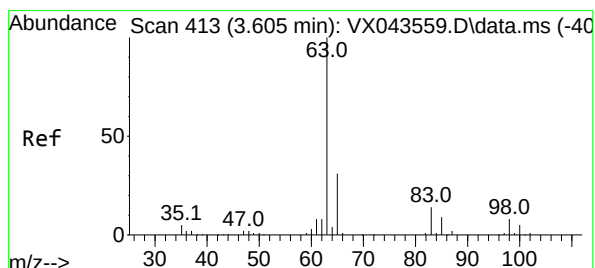
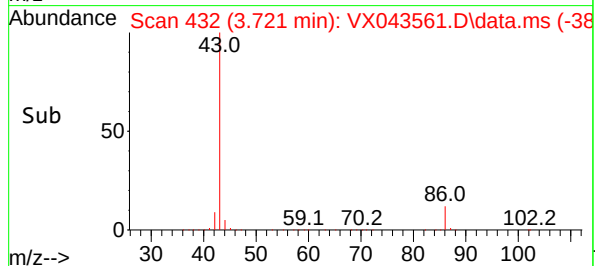
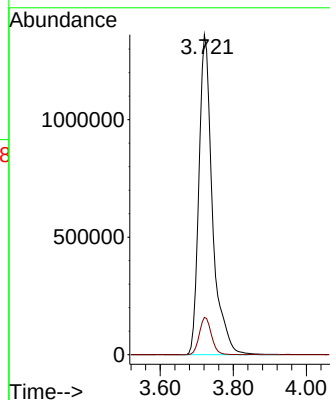
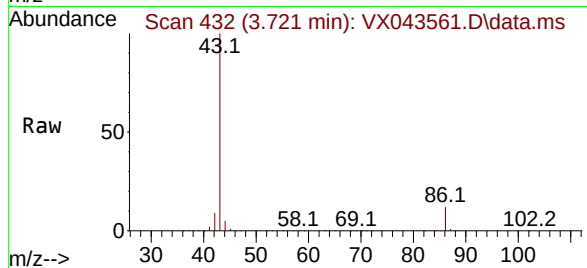
86 11.7 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#24

1,1-Dichloroethane

Concen: 144.305 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

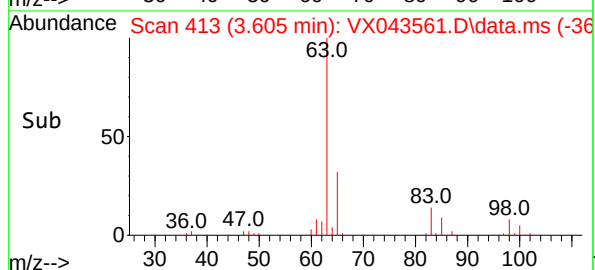
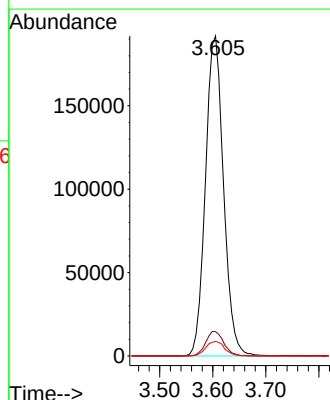
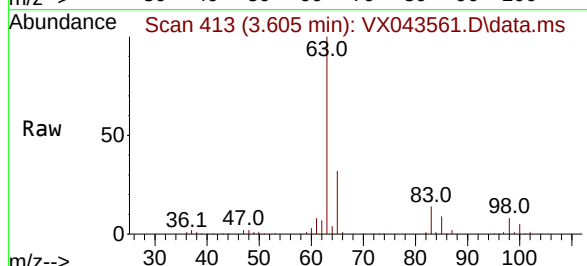
Tgt Ion: 63 Resp: 454844

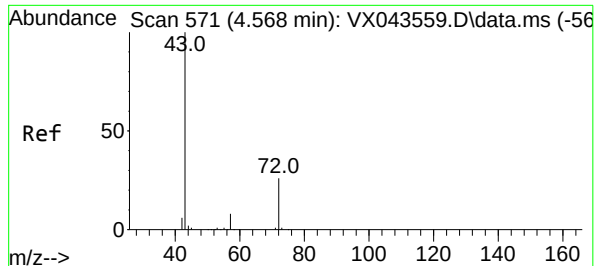
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 669.046 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 99505

Ion Ratio Lower Upper

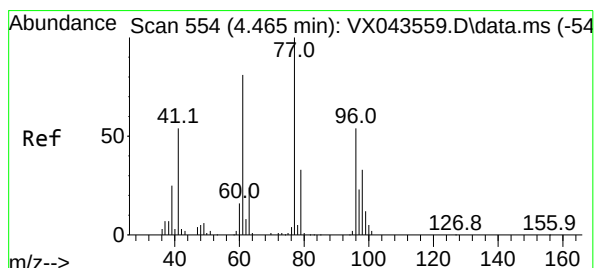
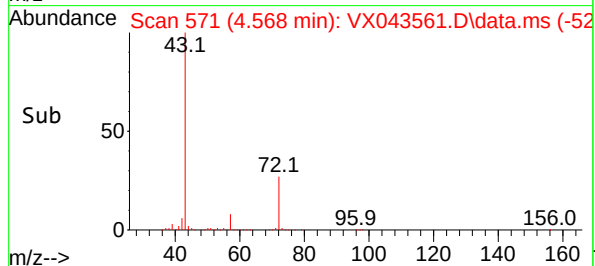
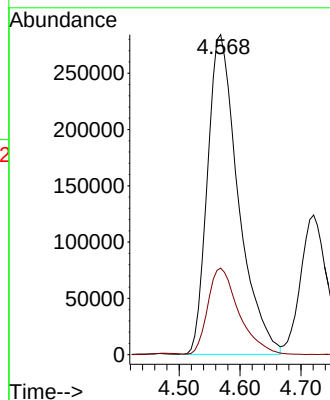
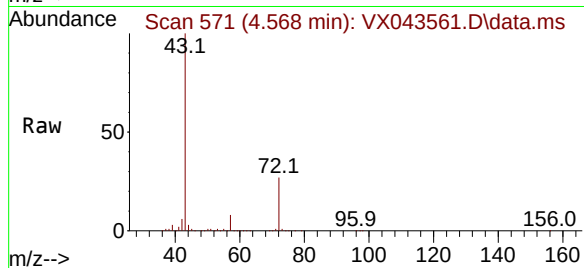
43 100

72 26.8 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#26

2,2-Dichloropropane

Concen: 161.856 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX043561.D

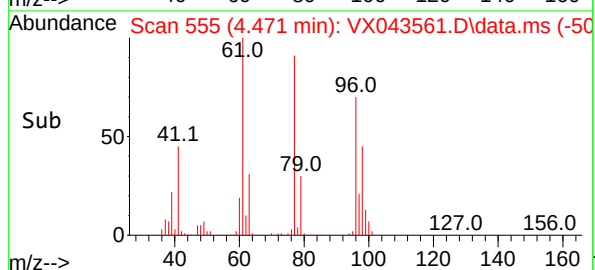
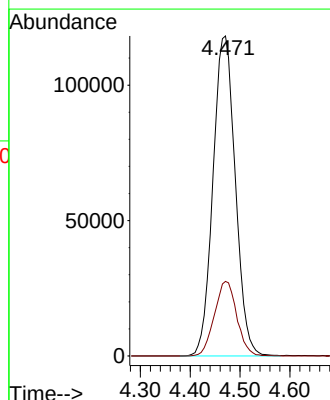
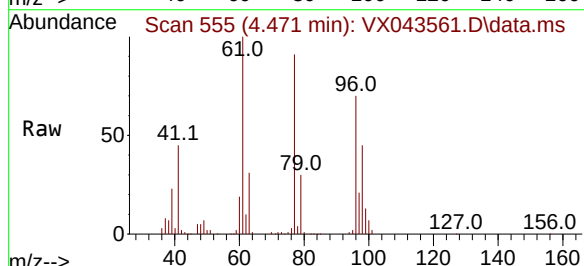
Acq: 28 Oct 2024 12:54

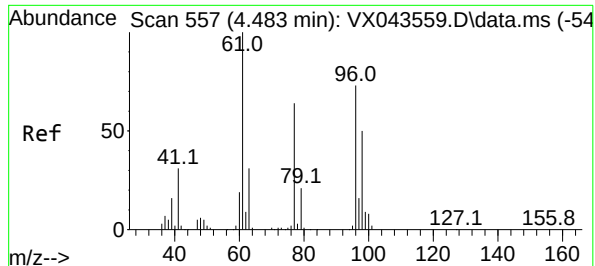
Tgt Ion: 77 Resp: 367692

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 149.076 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 306808

Ion Ratio Lower Upper

96 100

61 136.4 0.0 277.2

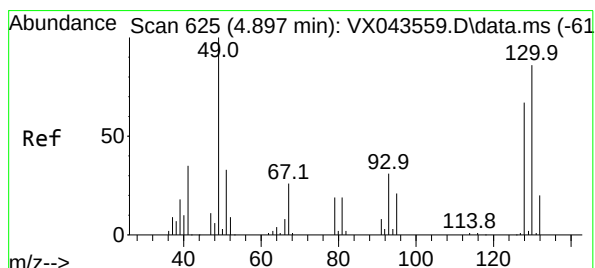
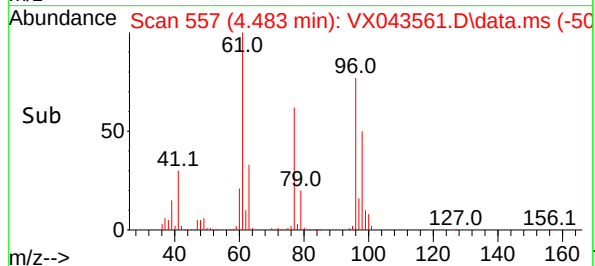
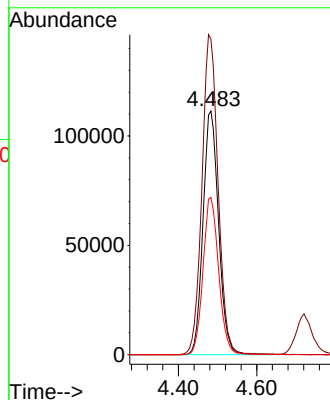
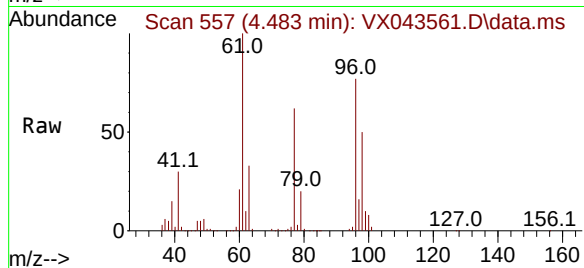
98 64.8 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#28

Bromochloromethane

Concen: 143.593 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

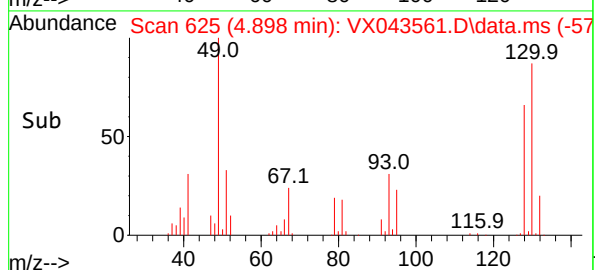
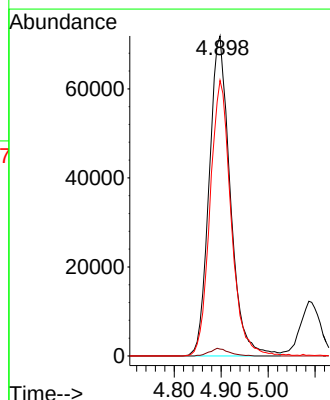
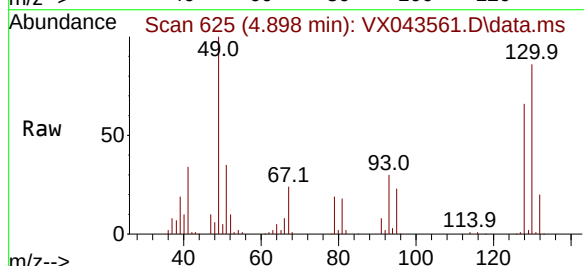
Tgt Ion: 49 Resp: 223906

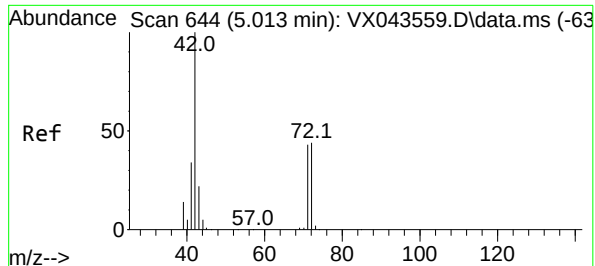
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 85.8 67.8 101.8





#29

Tetrahydrofuran

Concen: 658.777 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 63974

Ion Ratio Lower Upper

42 100

72 46.4 36.6 55.0

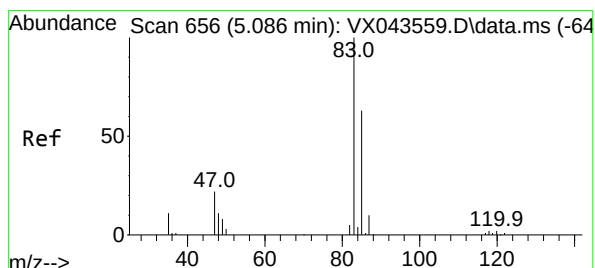
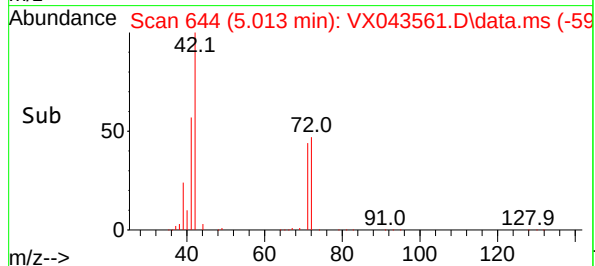
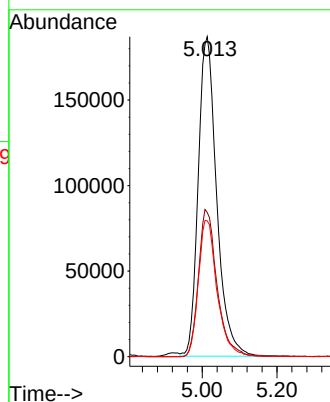
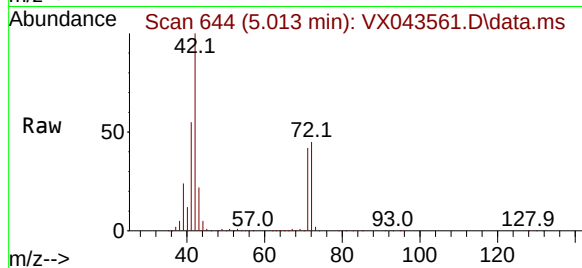
71 43.3 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#30

Chloroform

Concen: 139.964 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX043561.D

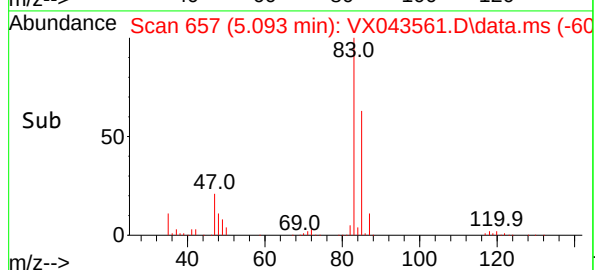
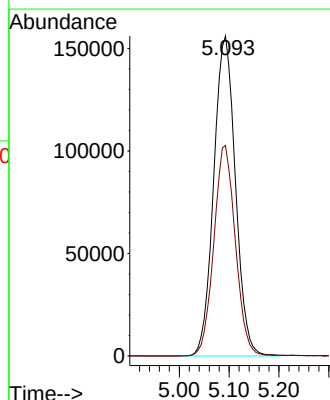
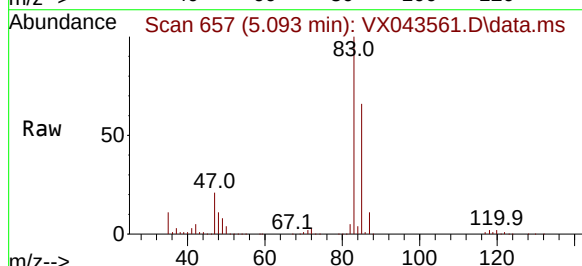
Acq: 28 Oct 2024 12:54

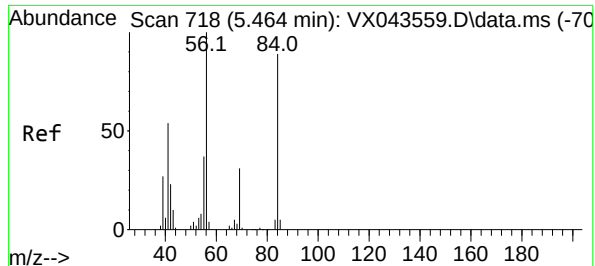
Tgt Ion: 83 Resp: 471770

Ion Ratio Lower Upper

83 100

85 65.7 52.2 78.4





#31

Cyclohexane

Concen: 133.285 ug/l

RT: 5.458 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX043561.D

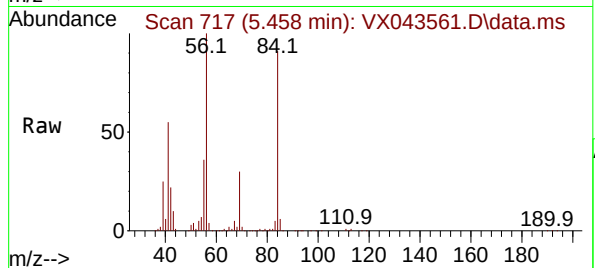
Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150



Tgt Ion: 56 Resp: 33331

Ion Ratio Lower Upper

56 100

69 30.2 24.9 37.3

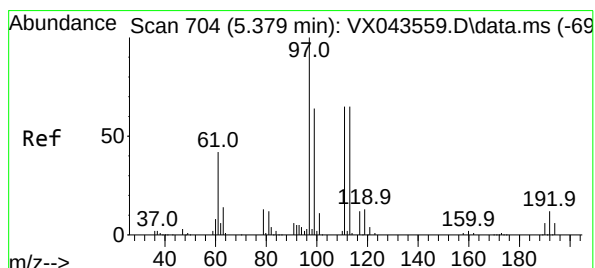
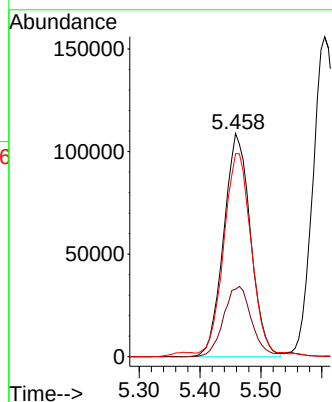
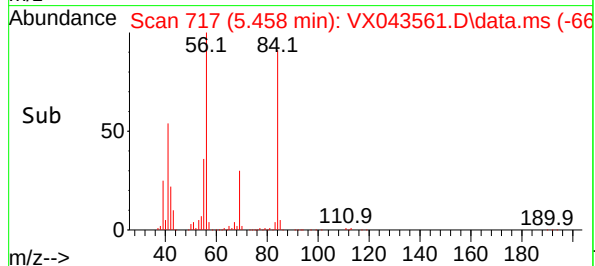
84 89.3 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#32

1,1,1-Trichloroethane

Concen: 143.818 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

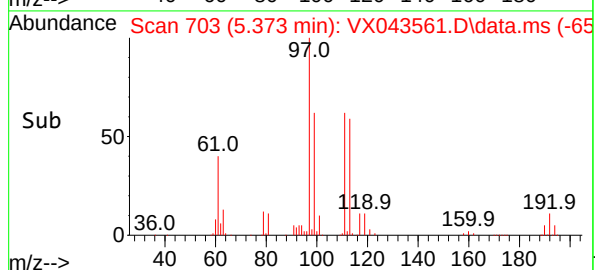
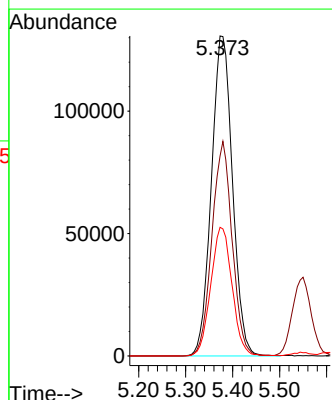
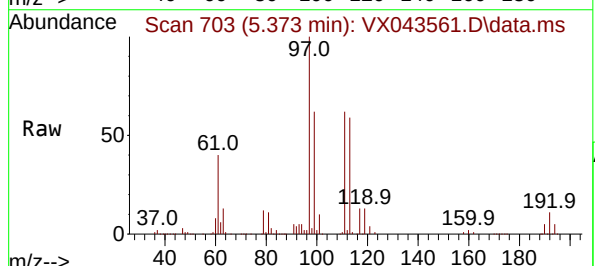
Tgt Ion: 97 Resp: 407373

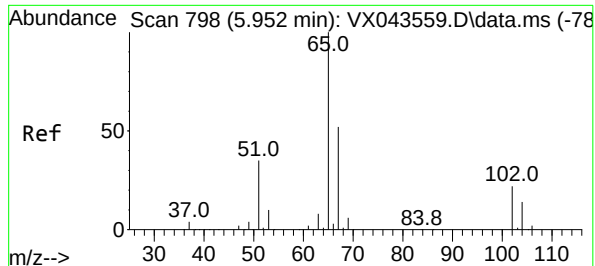
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

61 40.6 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 138.969 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 318800

Ion Ratio Lower Upper

65 100

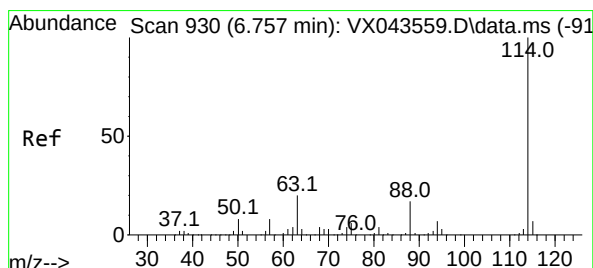
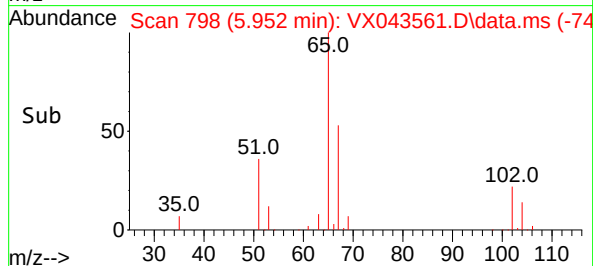
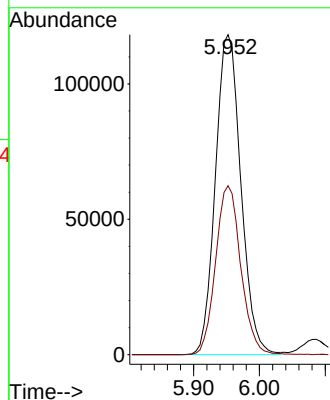
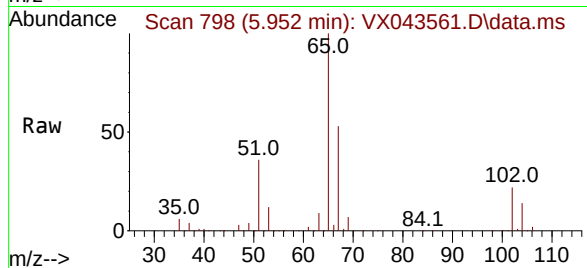
67 52.1 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

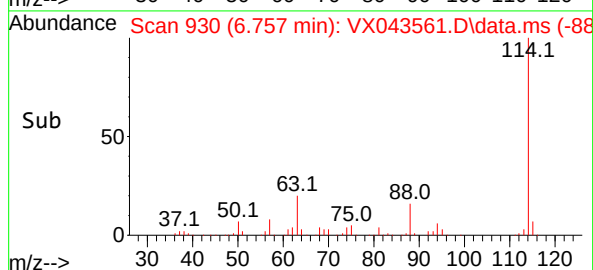
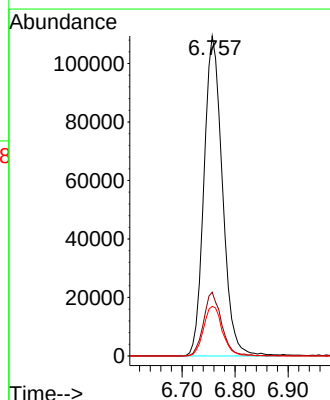
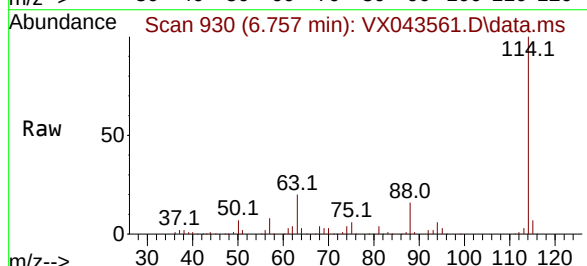
Tgt Ion:114 Resp: 264800

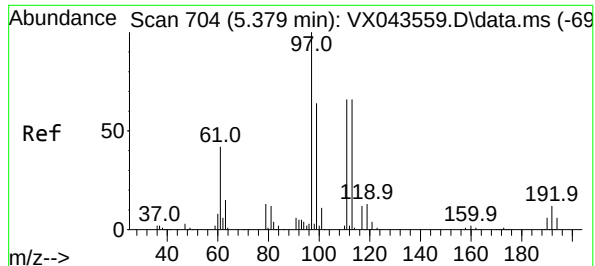
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.2

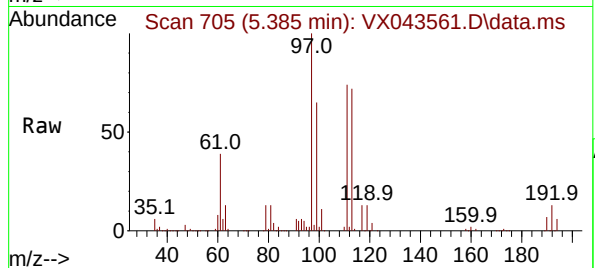
88 15.5 0.0 34.0





#35
Dibromofluoromethane
Concen: 145.381 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

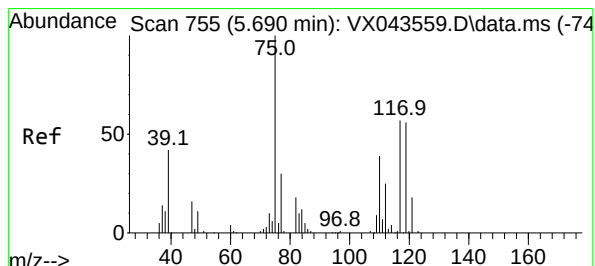
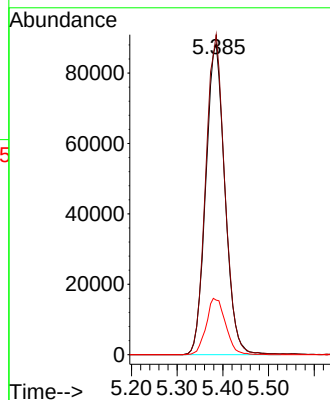
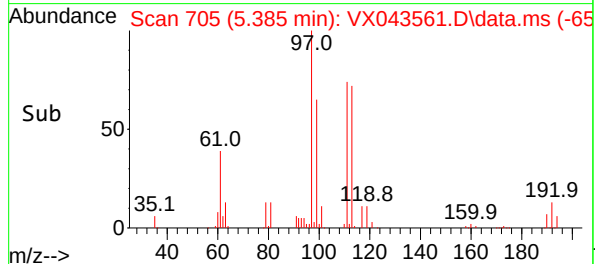
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:113 Resp: 256339
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 18.4 14.1 21.1

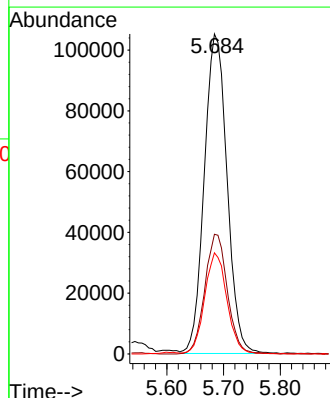
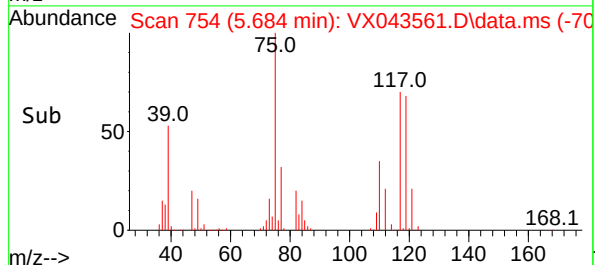
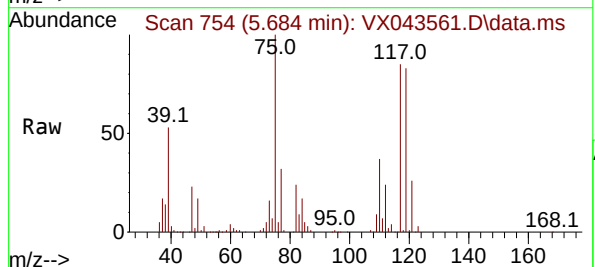
Manual Integrations
APPROVED

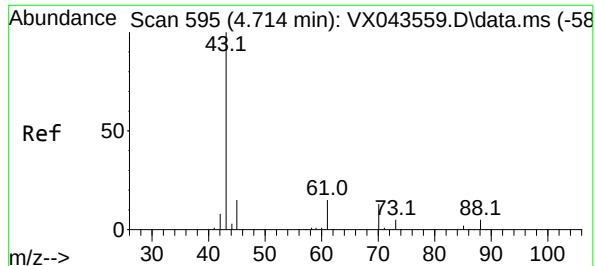
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#36
1,1-Dichloropropene
Concen: 140.377 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 75 Resp: 292944
Ion Ratio Lower Upper
75 100
110 37.1 17.9 53.7
77 31.1 25.0 37.4





#37

Ethyl Acetate

Concen: 135.067 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 38468

Ion Ratio Lower Upper

43 100

61 14.2 11.0 16.6

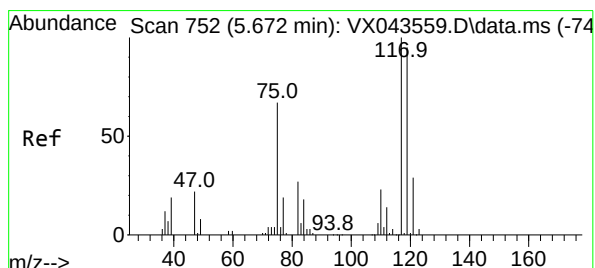
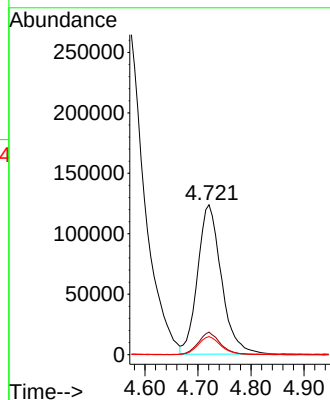
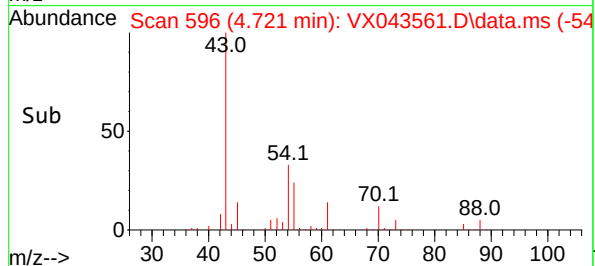
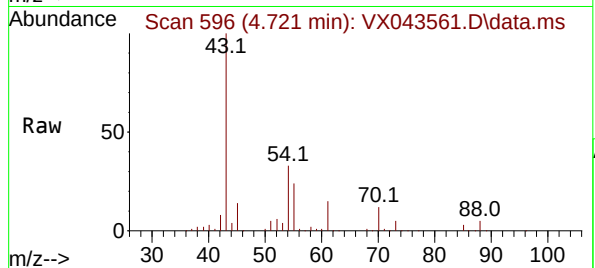
70 11.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#38

Carbon Tetrachloride

Concen: 143.607 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

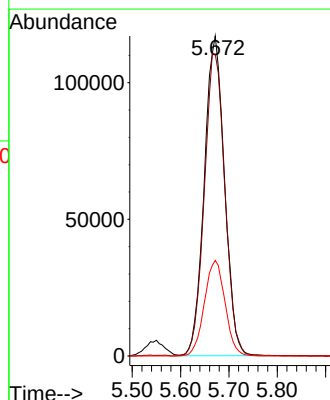
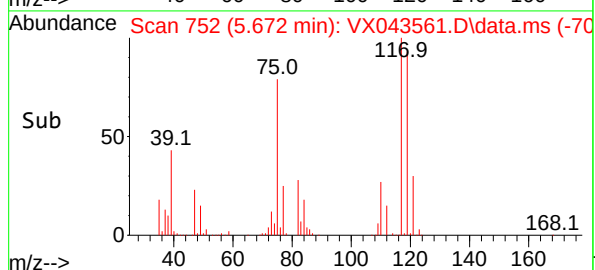
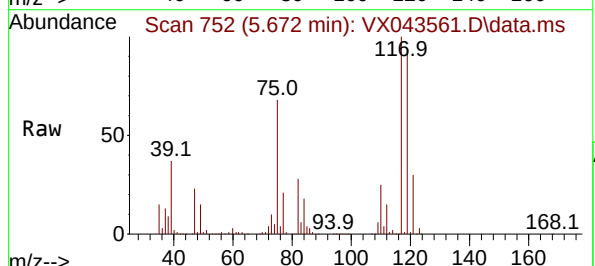
Tgt Ion:117 Resp: 340536

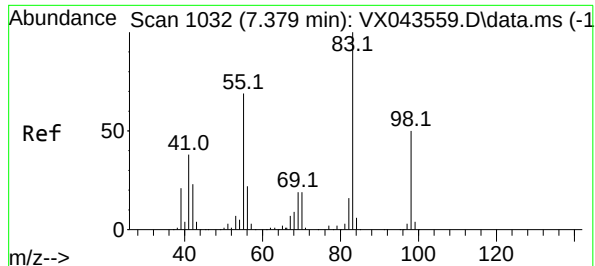
Ion Ratio Lower Upper

117 100

119 94.3 77.0 115.6

121 29.9 24.7 37.1





#39

Methylcyclohexane

Concen: 140.469 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 375923

Ion Ratio Lower Upper

83 100

55 73.3 59.9 89.9

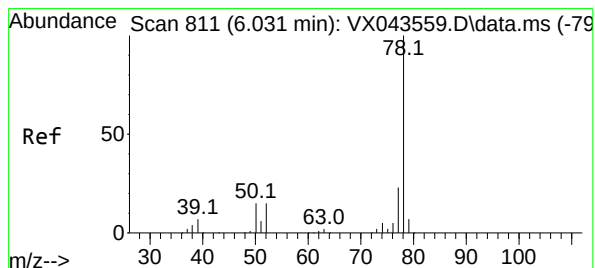
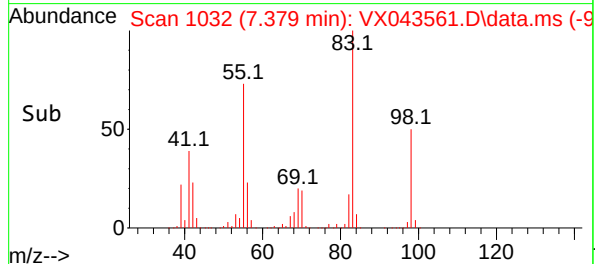
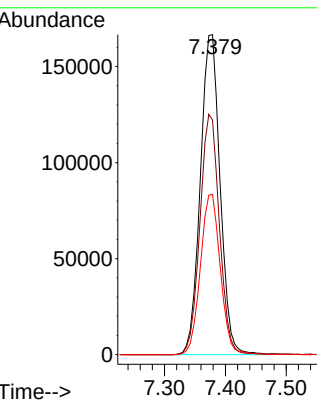
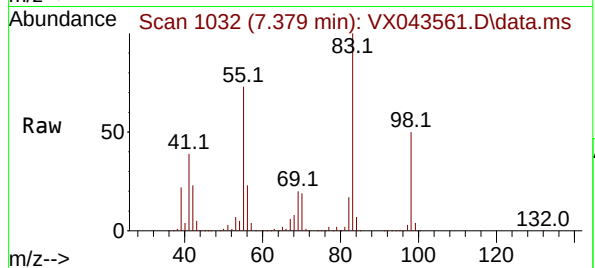
98 50.1 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#40

Benzene

Concen: 141.848 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043561.D

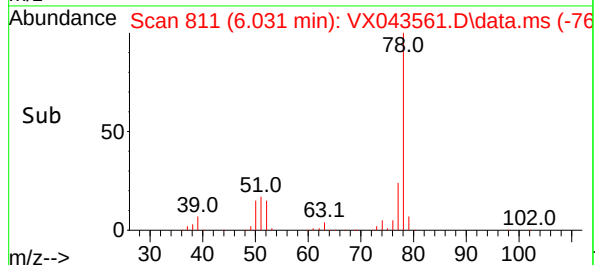
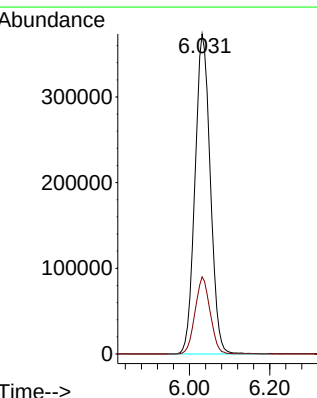
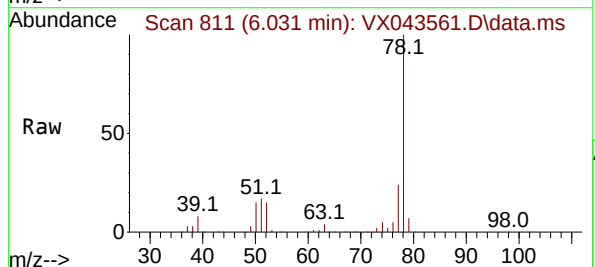
Acq: 28 Oct 2024 12:54

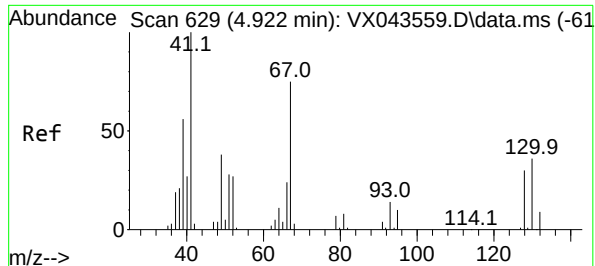
Tgt Ion: 78 Resp: 989523

Ion Ratio Lower Upper

78 100

77 24.1 18.4 27.6





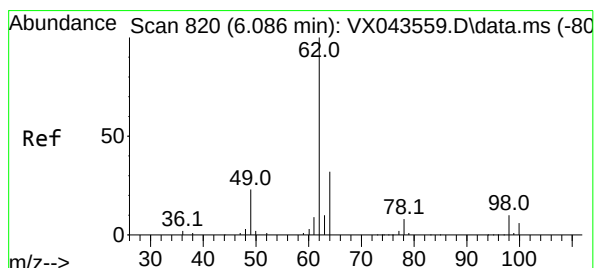
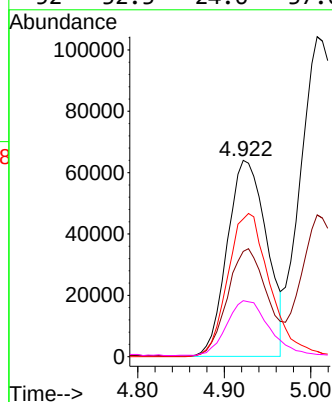
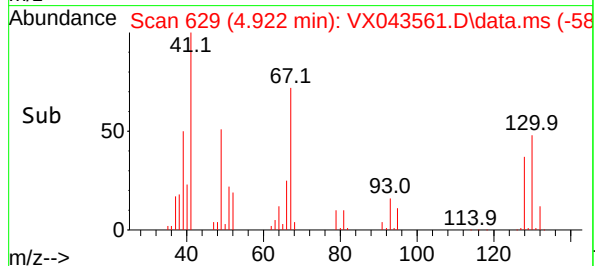
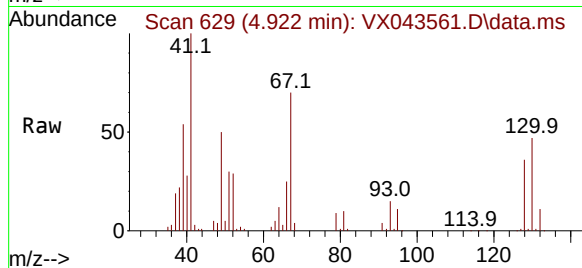
#41
Methacrylonitrile
Concen: 141.732 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 203044
Ion Ratio Lower Upper
41 100
39 56.2 43.5 65.3
67 78.3 58.3 87.5
52 32.3 24.6 37.0

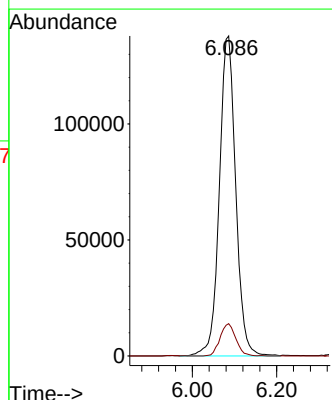
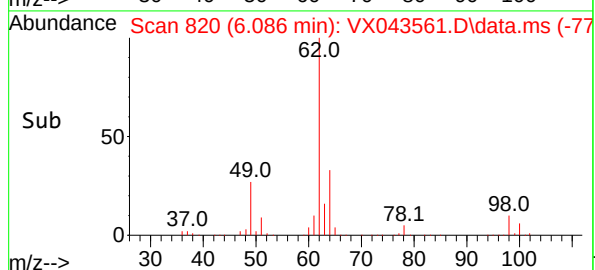
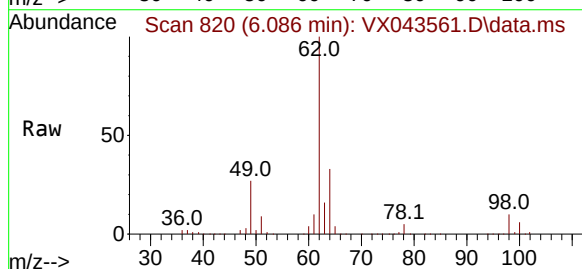
Manual Integrations
APPROVED

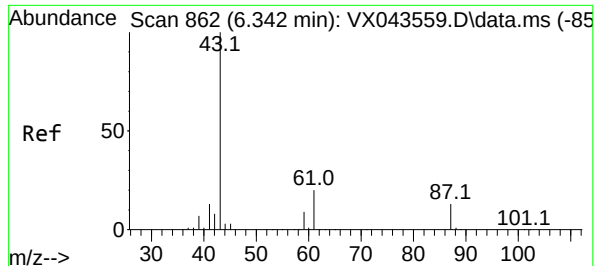
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#42
1,2-Dichloroethane
Concen: 144.284 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 62 Resp: 370244
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.8





#43

Isopropyl Acetate

Concen: 143.566 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 646810

Ion Ratio Lower Upper

43

100

61

20.7

87

14.2

16.2

11.0

24.4

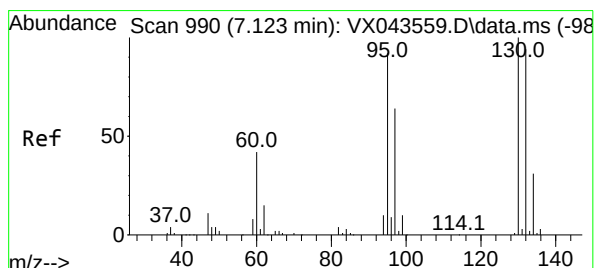
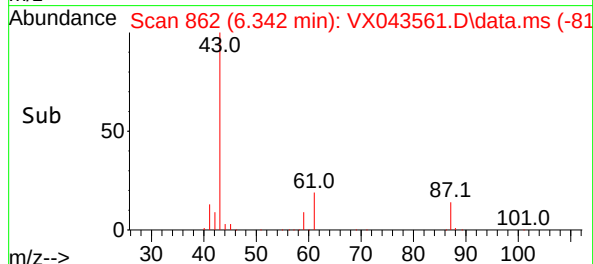
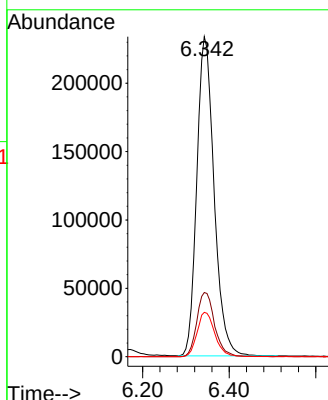
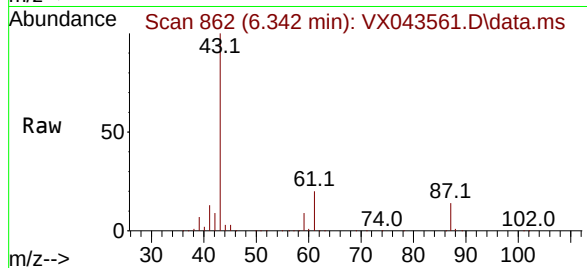
16.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#44

Trichloroethene

Concen: 152.200 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Tgt Ion:130 Resp: 251726

Ion Ratio Lower Upper

130

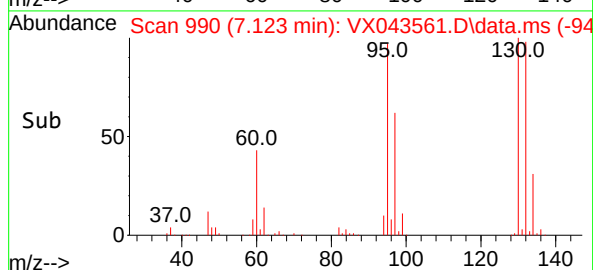
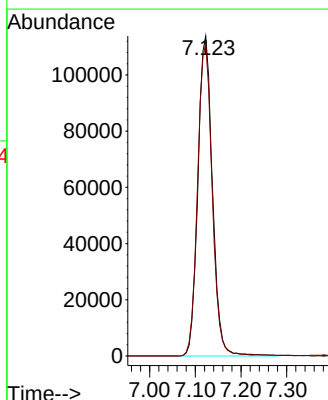
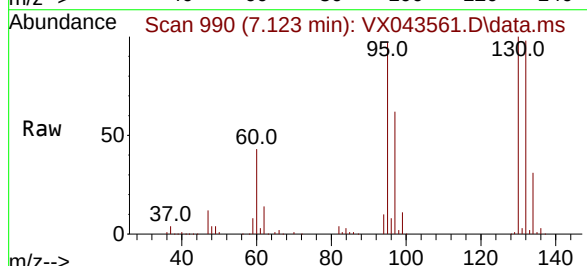
100

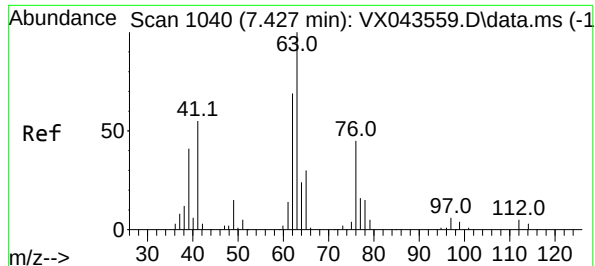
95

97.4

0.0

202.6





#45

1,2-Dichloropropane

Concen: 149.267 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 25428

Ion Ratio Lower Upper

63 100

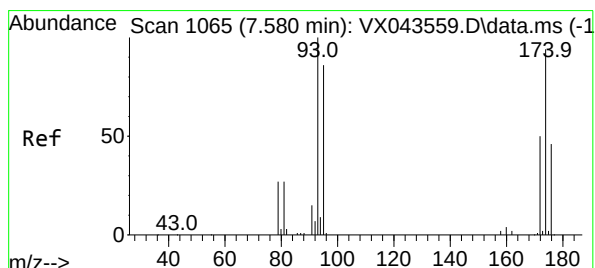
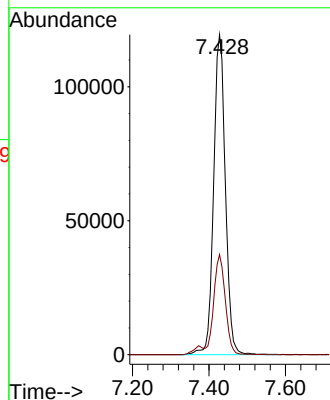
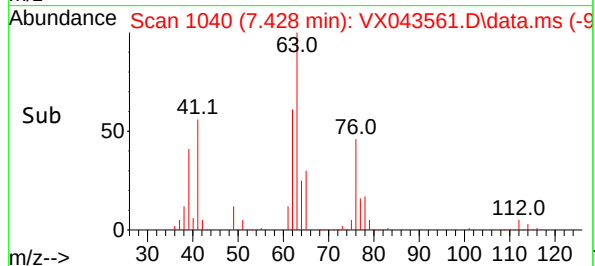
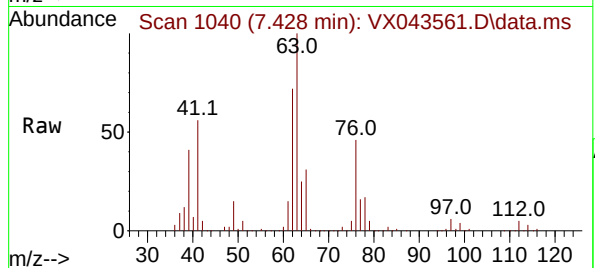
65 31.3 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#46

Dibromomethane

Concen: 153.073 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

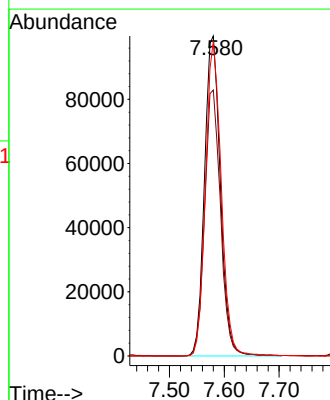
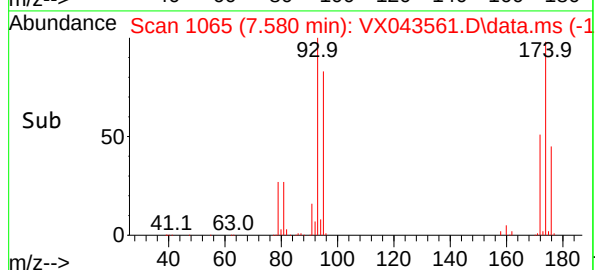
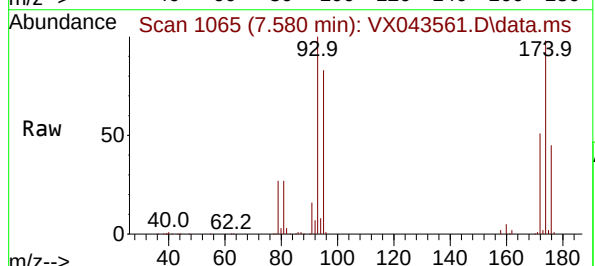
Tgt Ion: 93 Resp: 200317

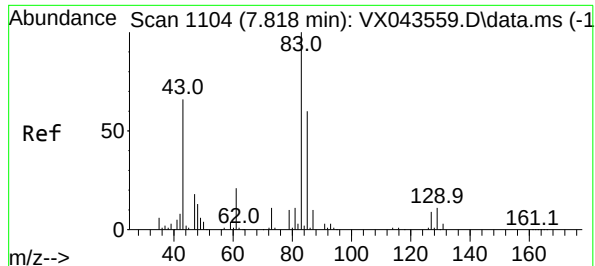
Ion Ratio Lower Upper

93 100

95 83.0 66.4 99.6

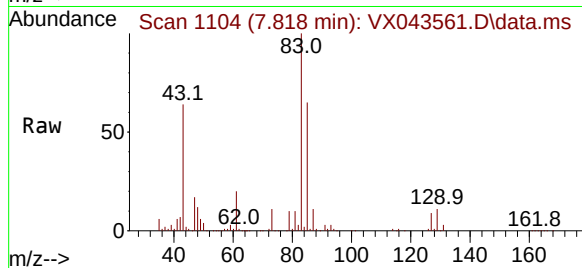
174 97.3 75.0 112.4





#47
Bromodichloromethane
Concen: 163.366 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

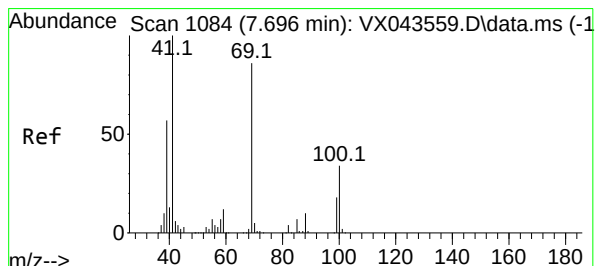
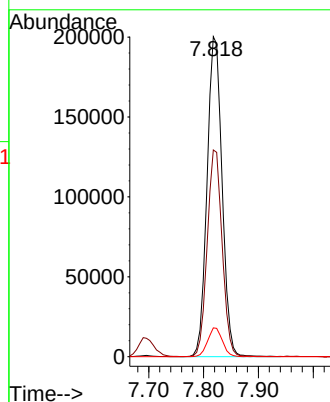
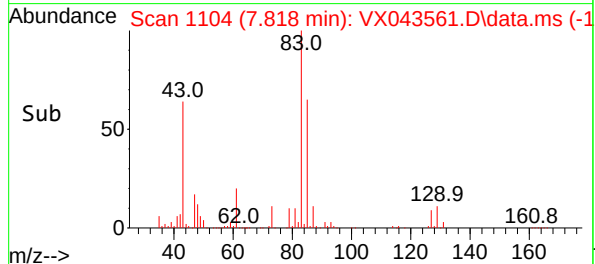
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 83 Resp: 379264
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4
127 9.0 7.1 10.7

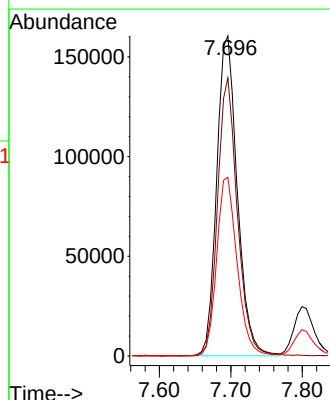
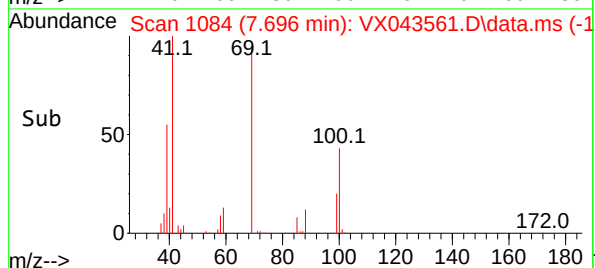
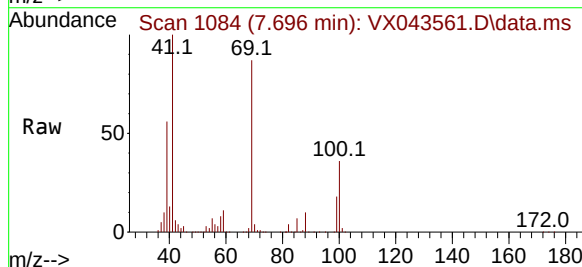
Manual Integrations
APPROVED

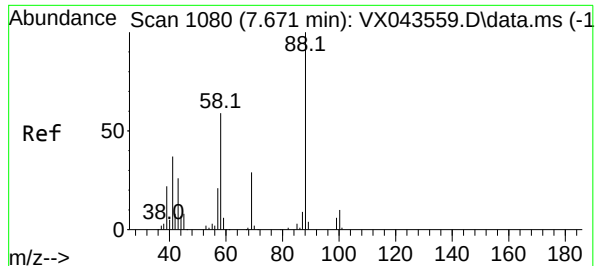
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#48
Methyl methacrylate
Concen: 152.537 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 41 Resp: 320841
Ion Ratio Lower Upper
41 100
69 84.3 67.7 101.5
39 55.4 46.3 69.5





#49

1,4-Dioxane

Concen: 2091.122 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 113004

Ion Ratio Lower Upper

88 100

43 33.5 25.3 37.9

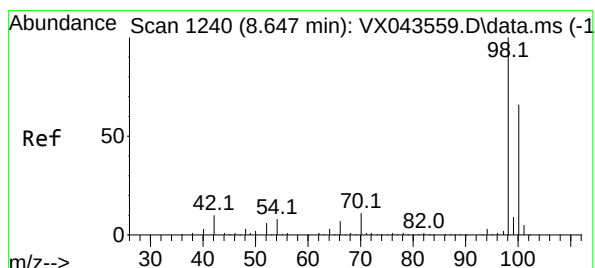
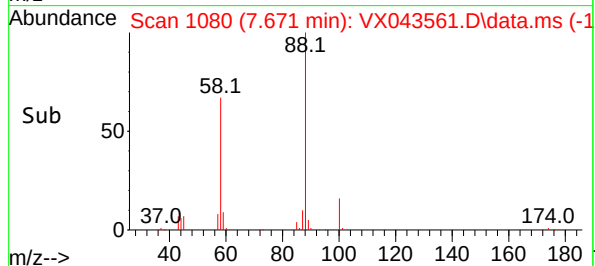
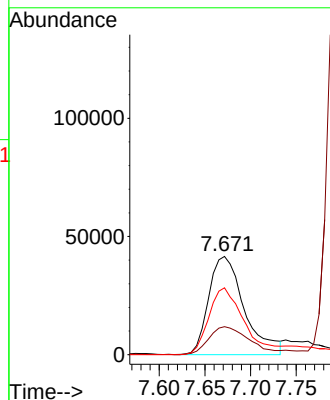
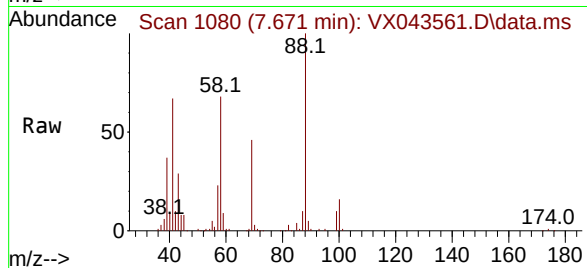
58 67.3 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#50

Toluene-d8

Concen: 139.313 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043561.D

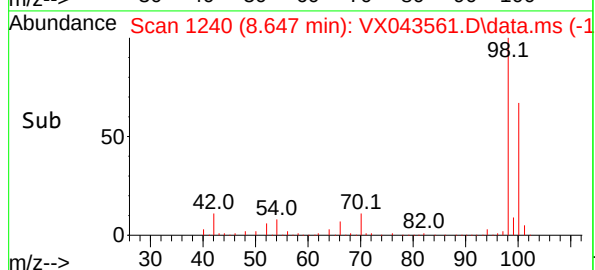
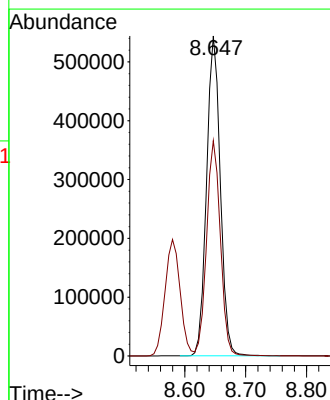
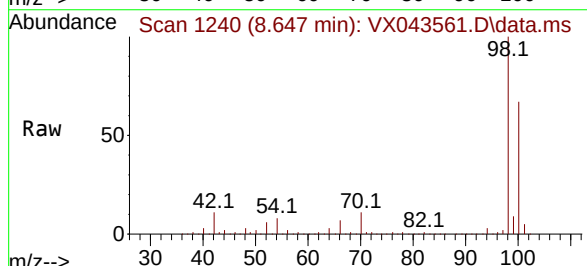
Acq: 28 Oct 2024 12:54

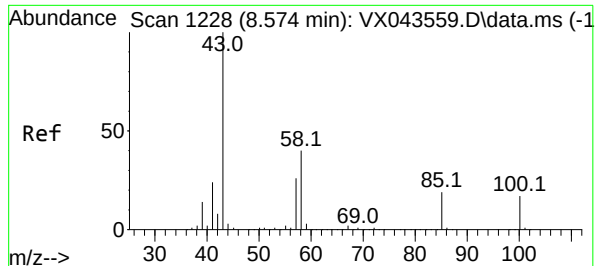
Tgt Ion: 98 Resp: 851731

Ion Ratio Lower Upper

98 100

100 67.4 53.4 80.2





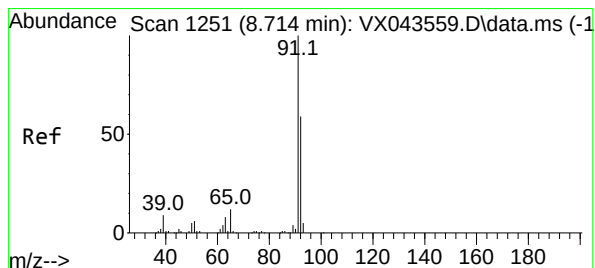
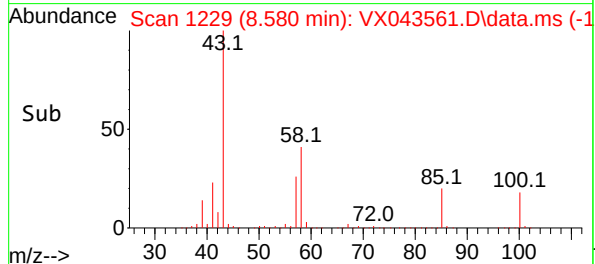
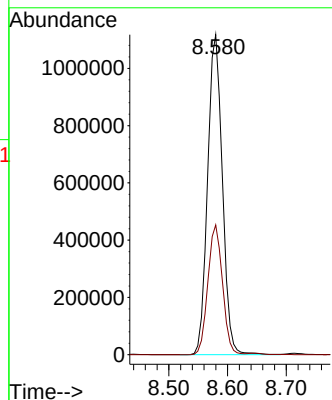
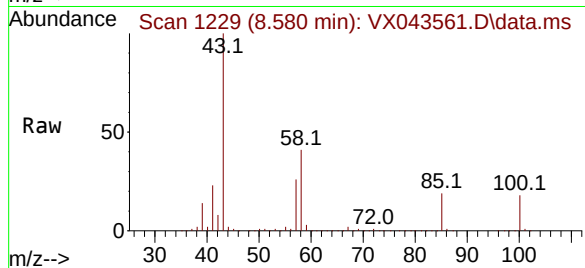
#51
4-Methyl-2-Pentanone
Concen: 682.697 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1948870
Ion Ratio Lower Upper
43 100
58 40.3 31.7 47.5

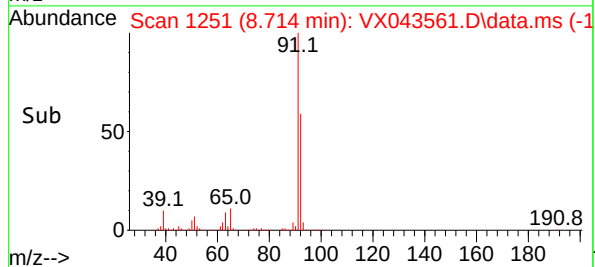
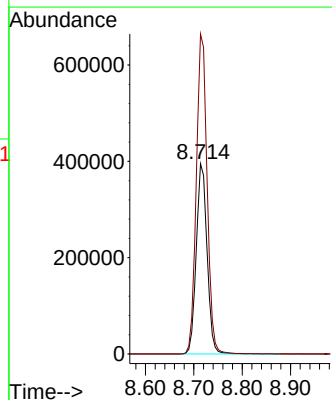
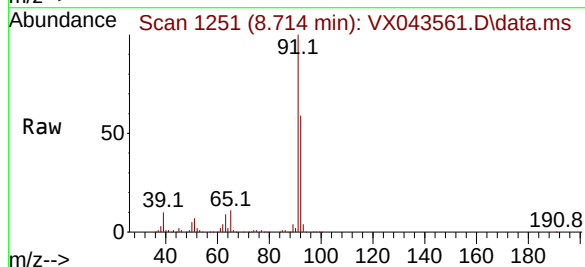
Manual Integrations
APPROVED

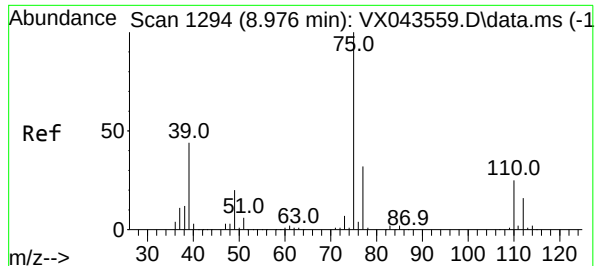
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#52
Toluene
Concen: 142.120 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 92 Resp: 611241
Ion Ratio Lower Upper
92 100
91 168.5 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 172.509 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 75 Resp: 405290

Ion Ratio Lower Upper

75 100

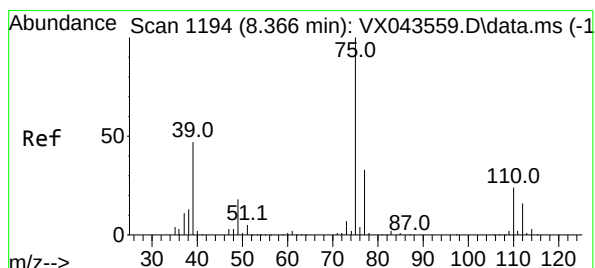
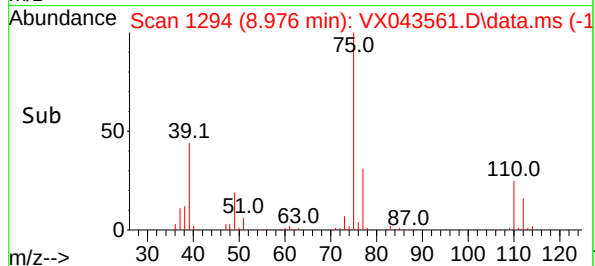
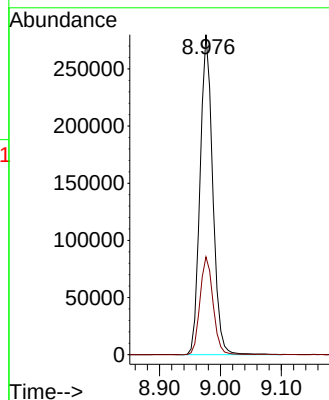
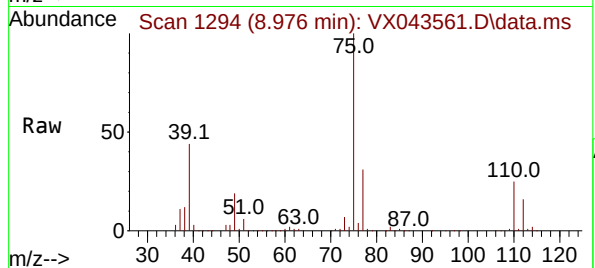
77 30.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#54

cis-1,3-Dichloropropene

Concen: 165.131 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

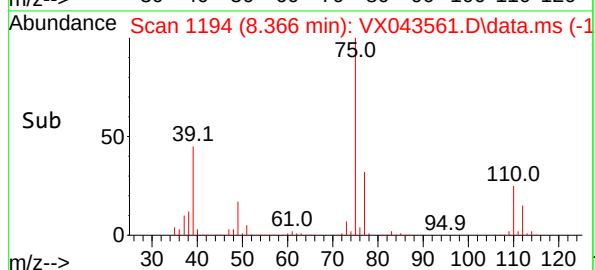
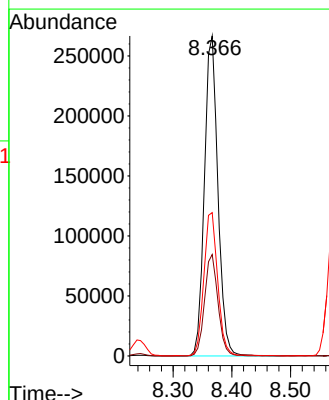
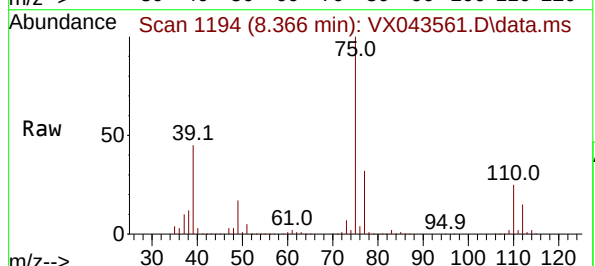
Tgt Ion: 75 Resp: 426054

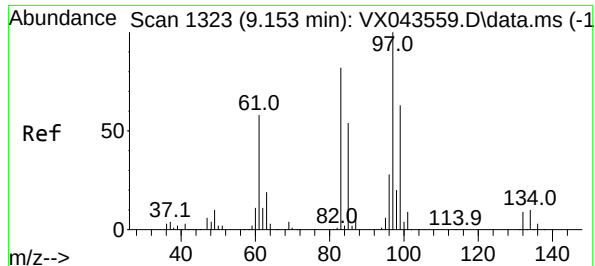
Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 44.7 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 143.100 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 25972

Ion Ratio Lower Upper

97 100

83 84.8 67.3 100.9

85 54.7 43.6 65.4

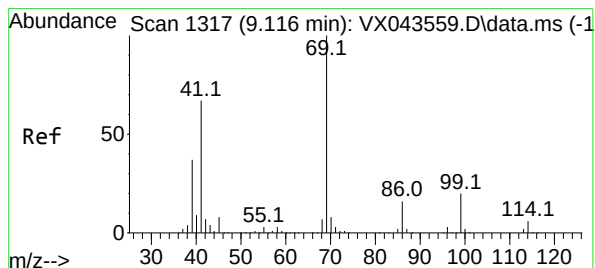
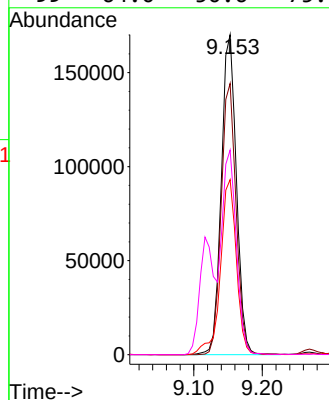
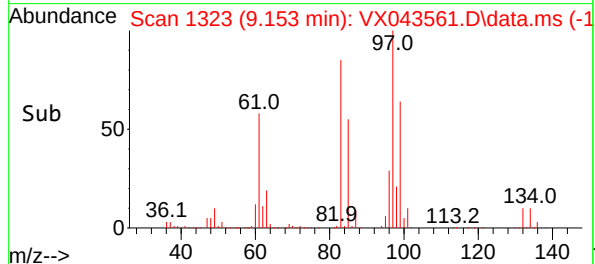
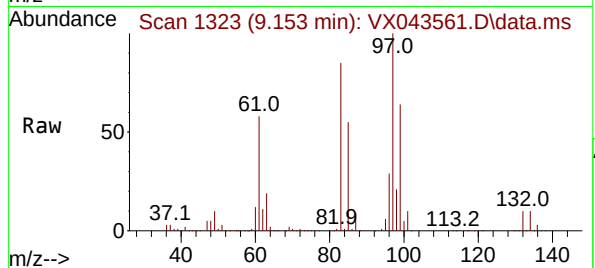
99 64.0 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#56

Ethyl methacrylate

Concen: 153.315 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

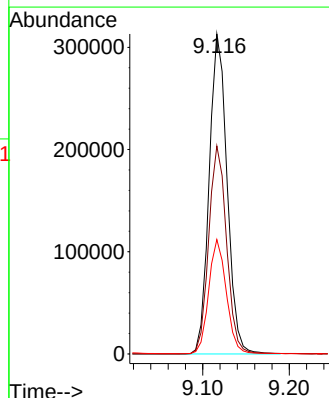
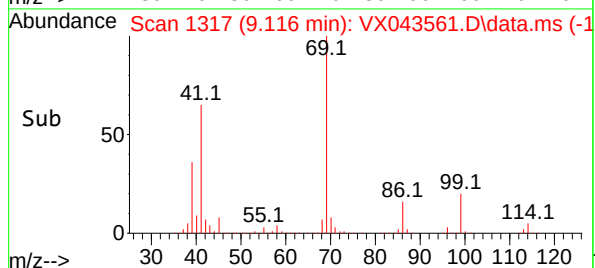
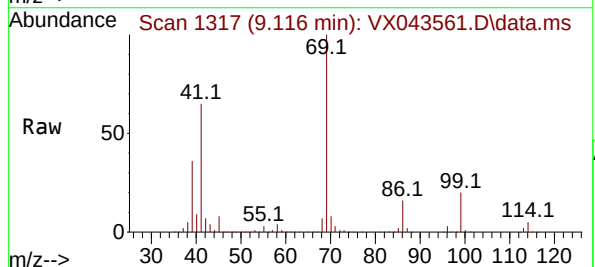
Tgt Ion: 69 Resp: 449693

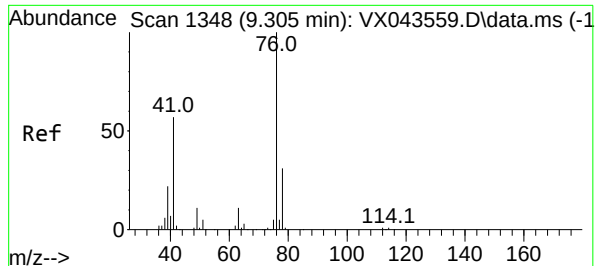
Ion Ratio Lower Upper

69 100

41 64.9 53.8 80.8

39 35.4 29.9 44.9





#57

1,3-Dichloropropane

Concen: 146.096 ug/l

RT: 9.305 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 43781

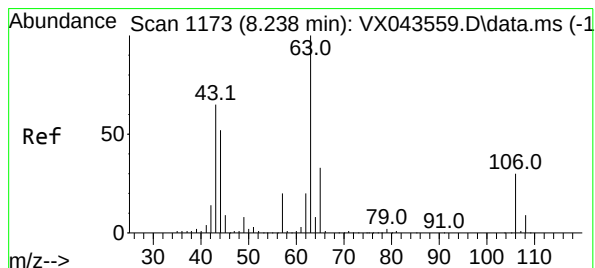
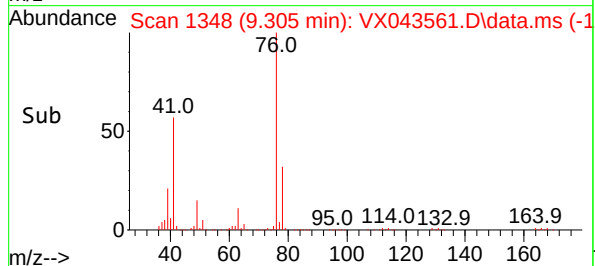
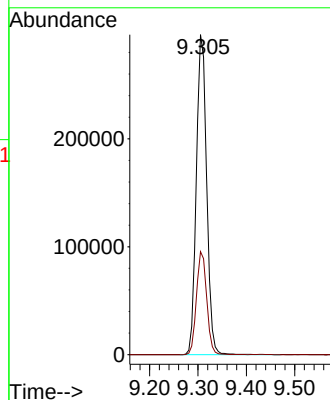
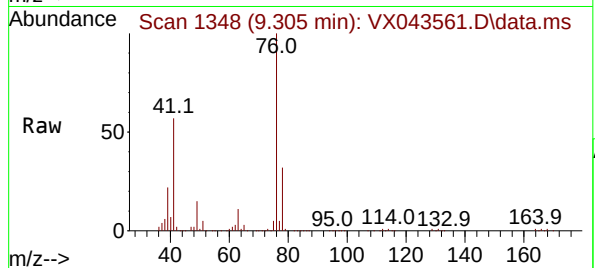
Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

#58

2-Chloroethyl Vinyl ether

Concen: 756.448 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX043561.D

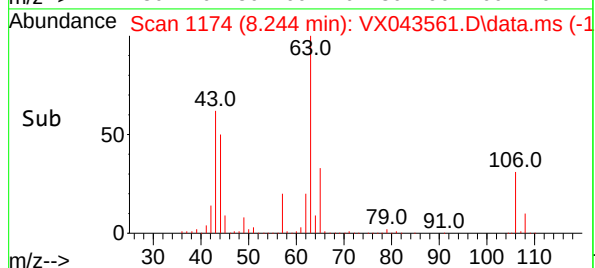
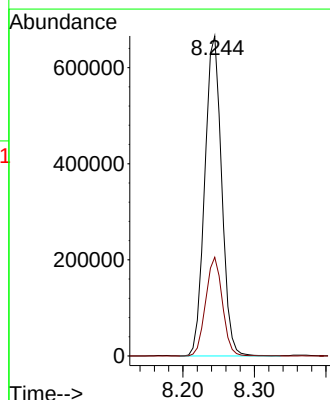
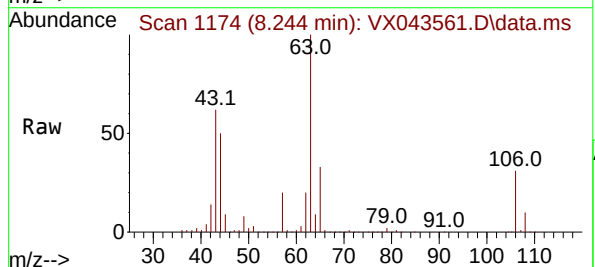
Acq: 28 Oct 2024 12:54

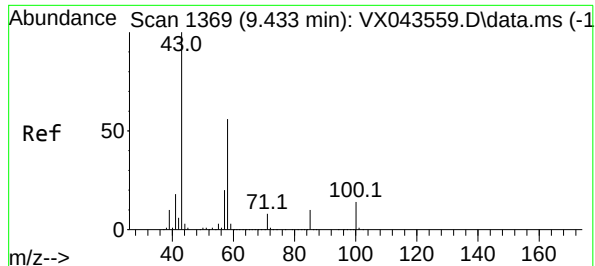
Tgt Ion: 63 Resp: 1091414

Ion Ratio Lower Upper

63 100

106 30.5 23.6 35.4





#59

2-Hexanone

Concen: 677.655 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1462730

Ion Ratio Lower Upper

43 100

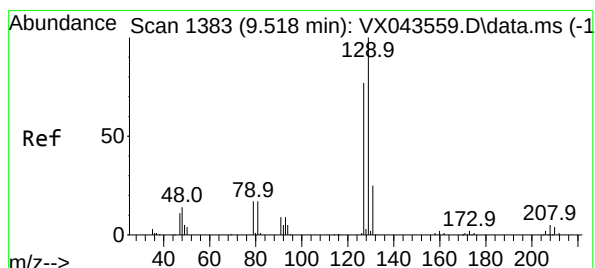
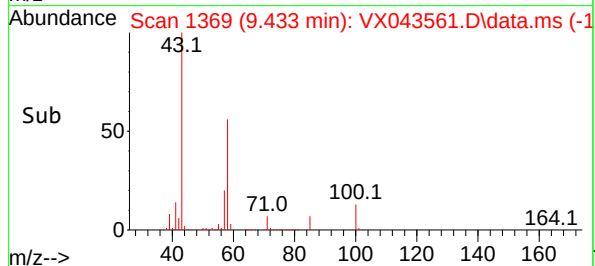
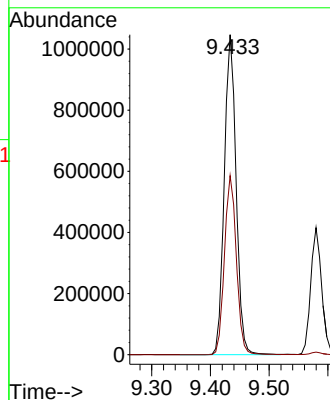
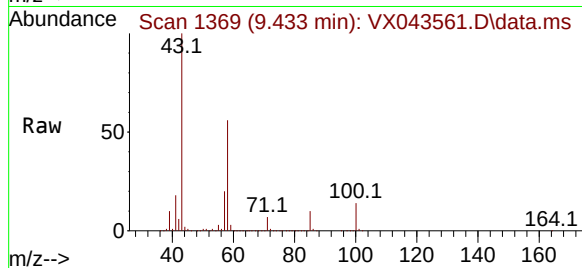
58 56.5 27.5 82.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#60

Dibromochloromethane

Concen: 176.144 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043561.D

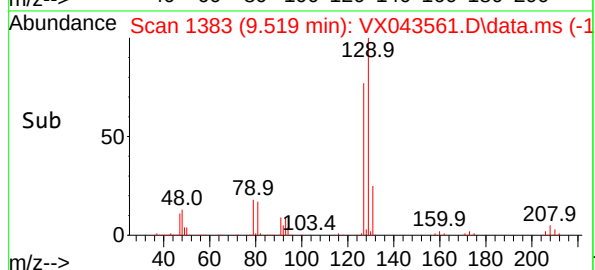
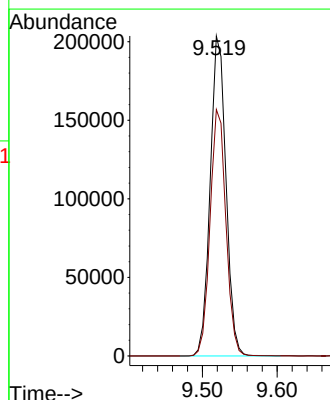
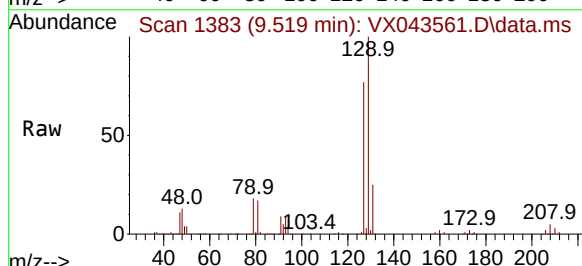
Acq: 28 Oct 2024 12:54

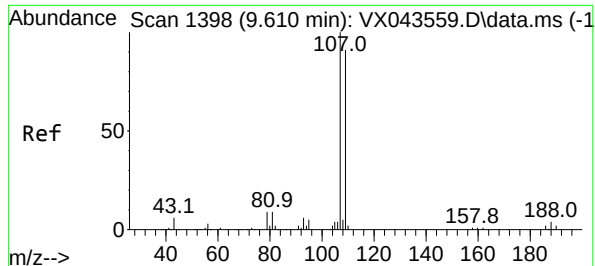
Tgt Ion:129 Resp: 299138

Ion Ratio Lower Upper

129 100

127 77.4 38.4 115.1





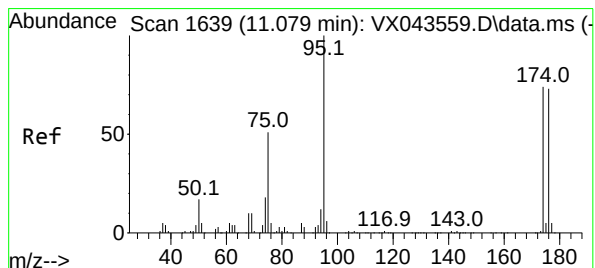
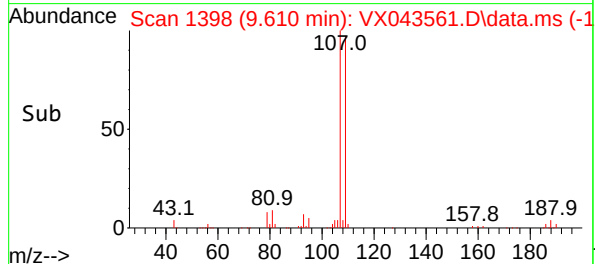
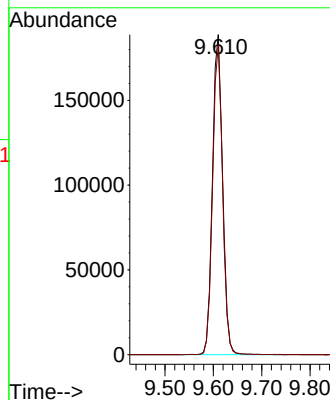
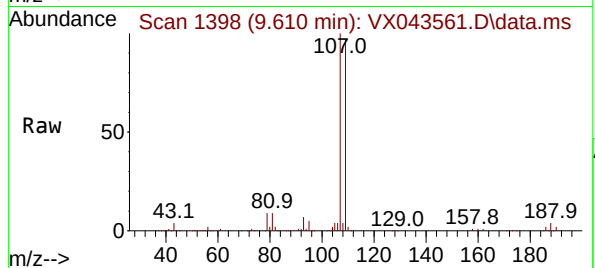
#61
1,2-Dibromoethane
Concen: 150.355 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 27509
Ion Ratio Lower Upper
107 100
109 95.5 77.1 115.7

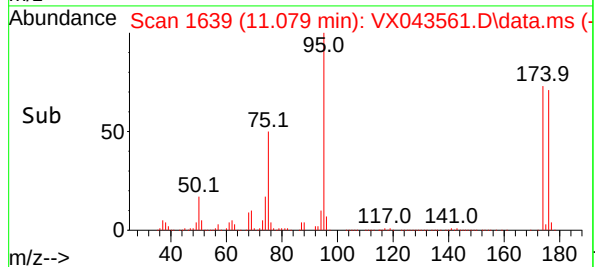
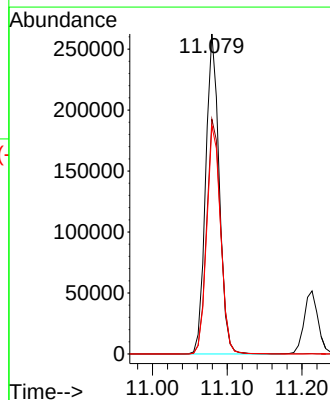
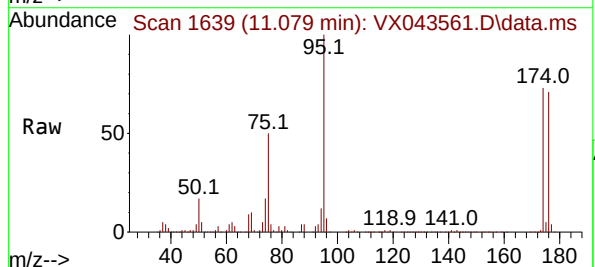
Manual Integrations
APPROVED

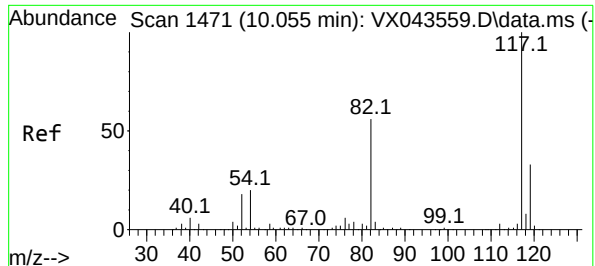
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#62
4-Bromofluorobenzene
Concen: 147.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 95 Resp: 329323
Ion Ratio Lower Upper
95 100
174 75.6 0.0 146.6
176 73.1 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

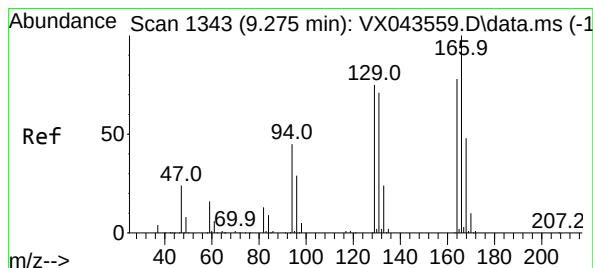
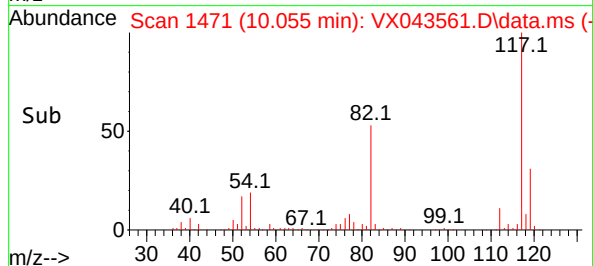
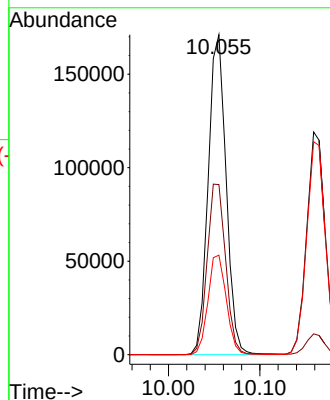
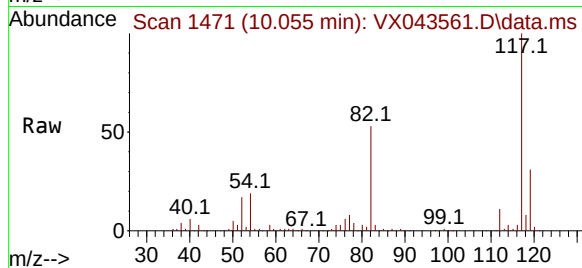
VSTDIC150

Tgt Ion:	117	Resp:	232770
Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.1	63.1
119	31.1	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#64

Tetrachloroethene

Concen: 136.289 ug/l

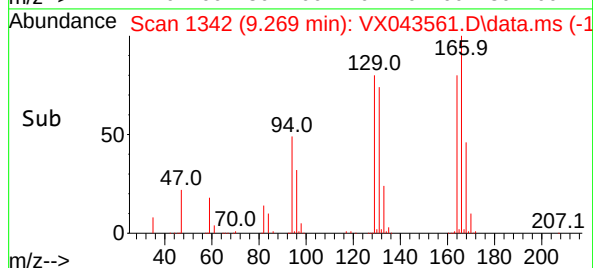
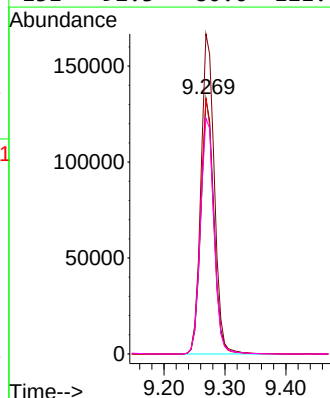
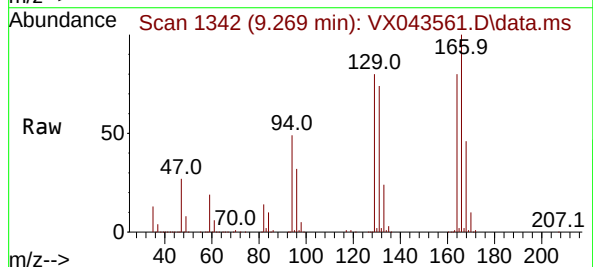
RT: 9.269 min Scan# 1342

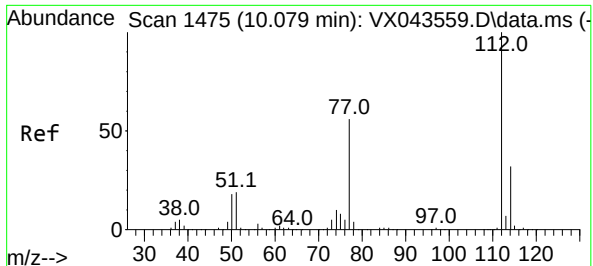
Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

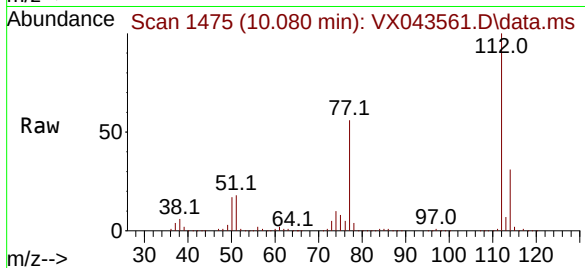
Tgt Ion:	164	Resp:	198596
Ion	Ratio	Lower	Upper
164	100		
166	125.3	103.8	155.6
129	100.2	83.8	125.6
131	92.3	80.6	121.0





#65
Chlorobenzene
Concen: 145.269 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

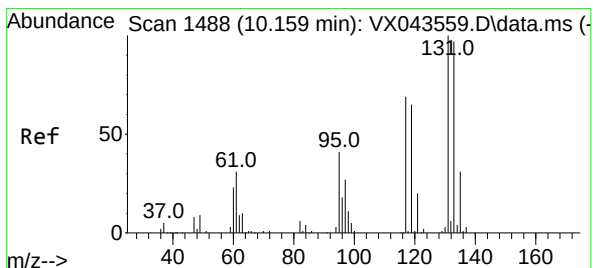
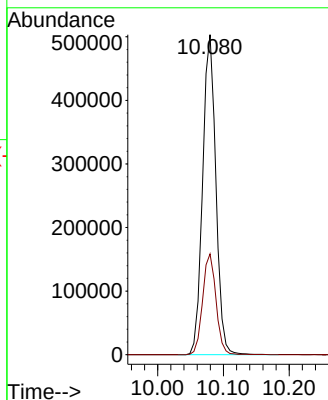
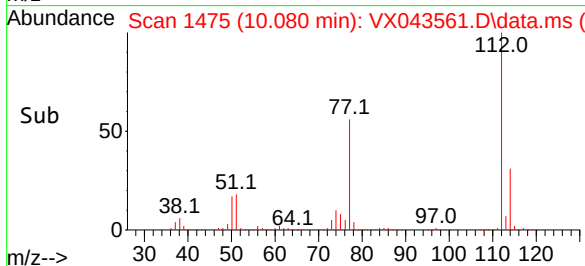
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:112 Resp: 70345
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6

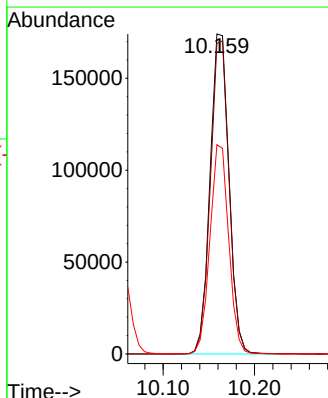
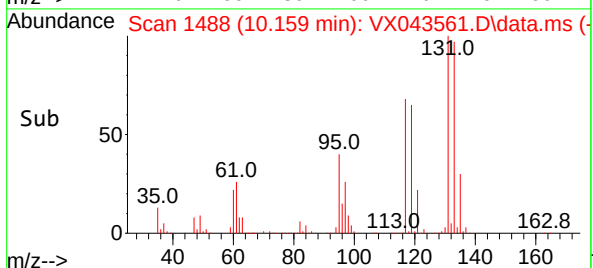
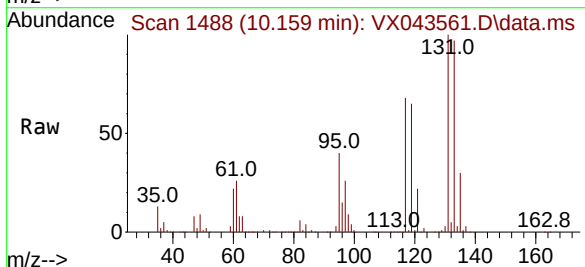
Manual Integrations
APPROVED

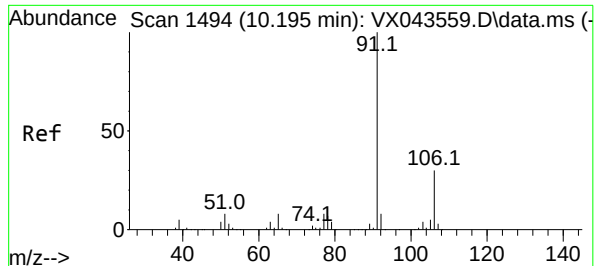
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 153.341 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:131 Resp: 250797
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 64.8 32.3 96.9





#67

Ethyl Benzene

Concen: 141.675 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 114125

Ion Ratio Lower Upper

91 100

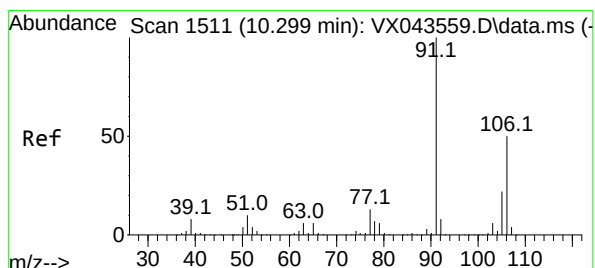
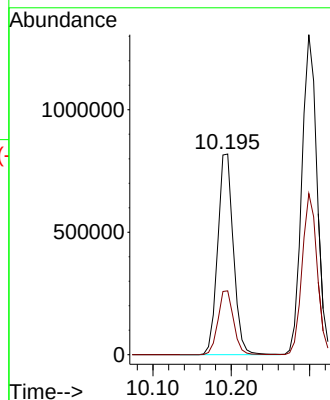
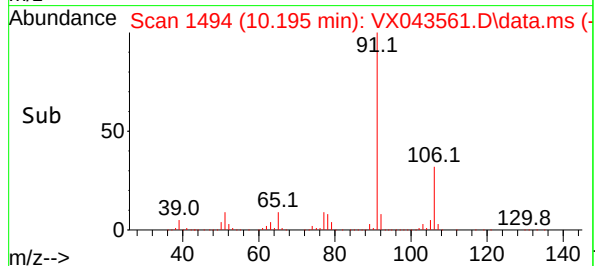
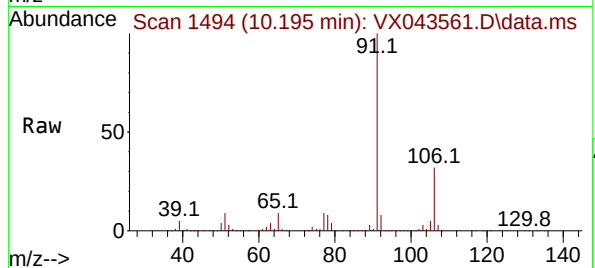
106 31.9 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#68

m/p-Xylenes

Concen: 287.969 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043561.D

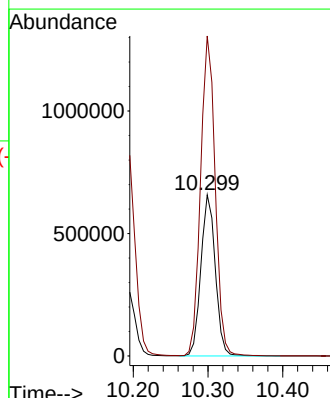
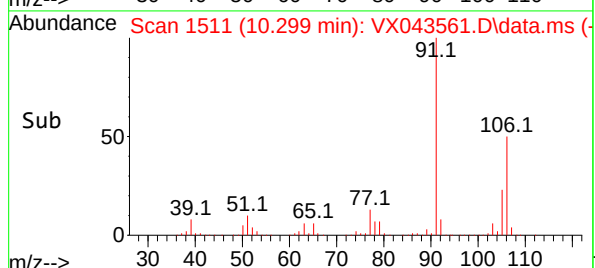
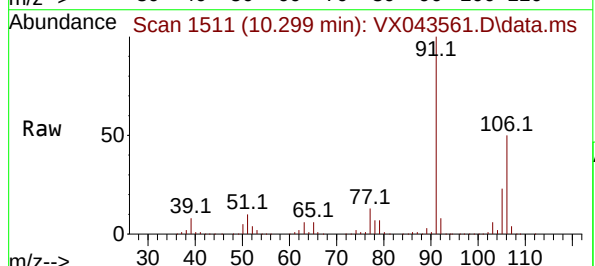
Acq: 28 Oct 2024 12:54

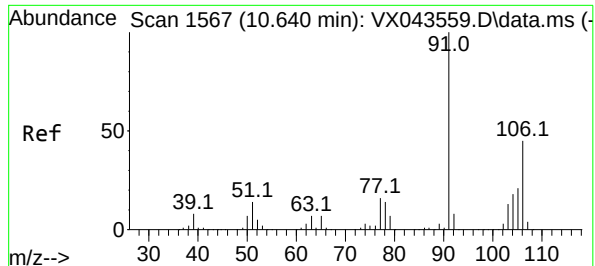
Tgt Ion:106 Resp: 878867

Ion Ratio Lower Upper

106 100

91 201.6 164.7 247.1





#69

o-Xylene

Concen: 143.559 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:106 Resp: 450380

Ion Ratio Lower Upper

106 100

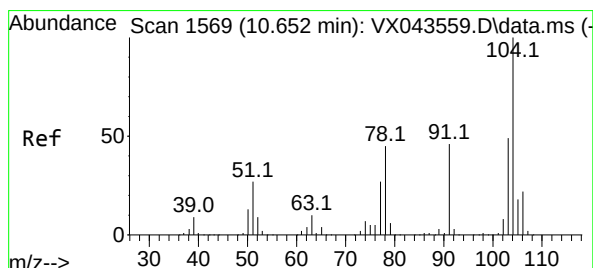
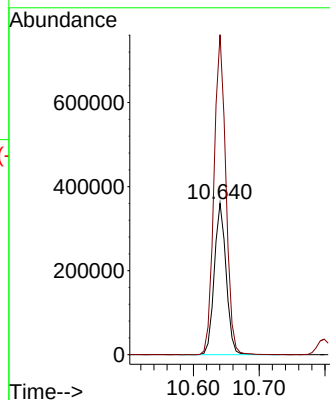
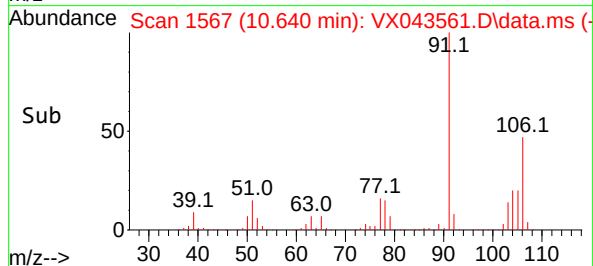
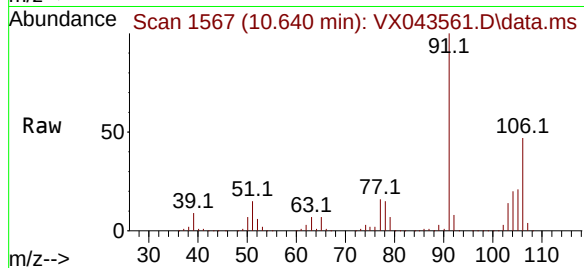
91 212.3 107.9 323.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#70

Styrene

Concen: 153.173 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

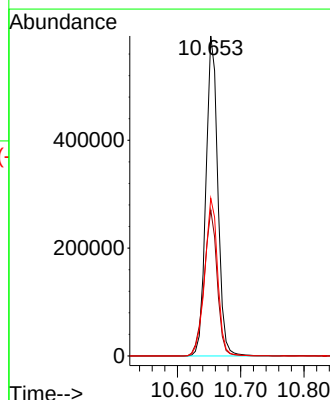
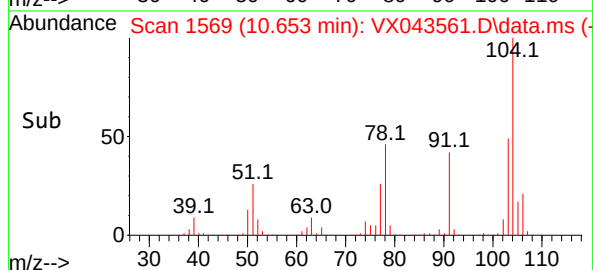
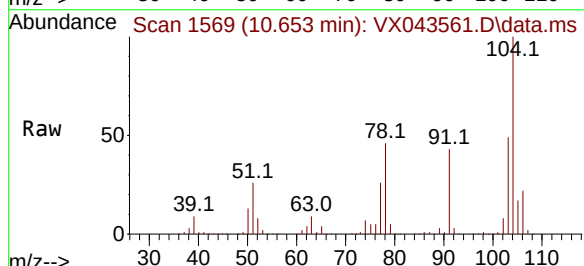
Tgt Ion:104 Resp: 777762

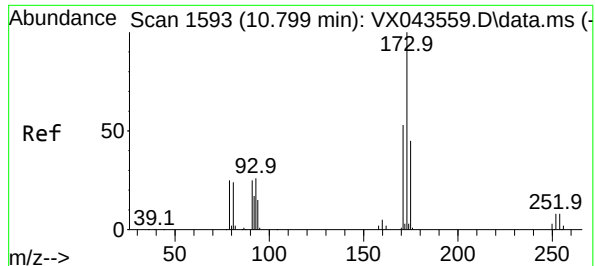
Ion Ratio Lower Upper

104 100

78 50.0 40.0 60.0

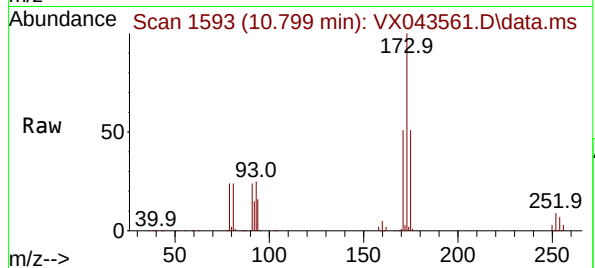
103 53.6 43.4 65.0





#71
Bromoform
Concen: 188.187 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

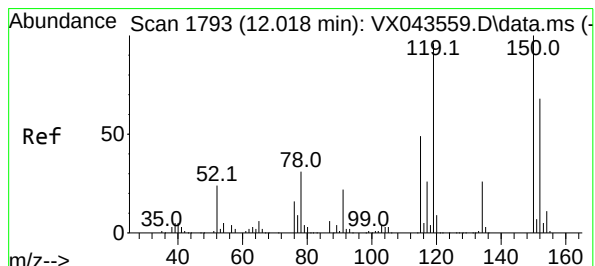
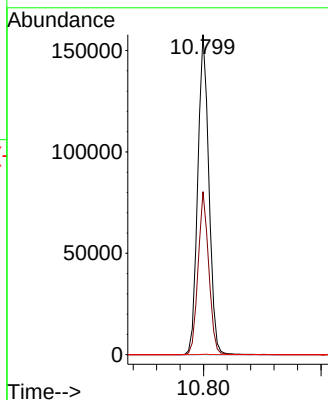
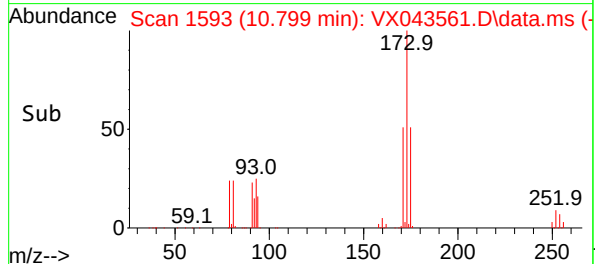
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:173 Resp: 20749
Ion Ratio Lower Upper
173 100
175 48.8 23.3 69.9
254 0.1 0.0 0.0

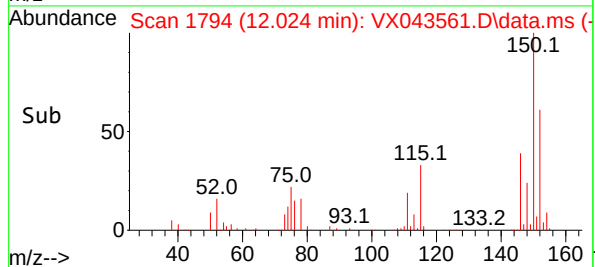
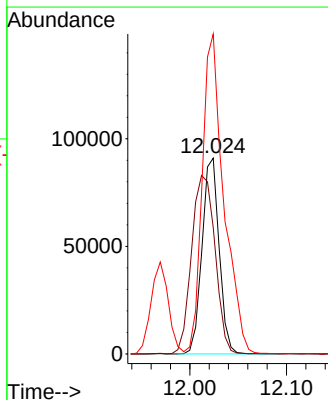
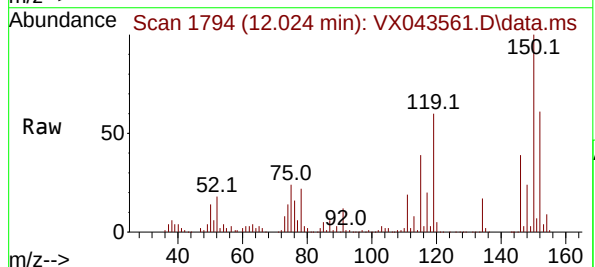
Manual Integrations
APPROVED

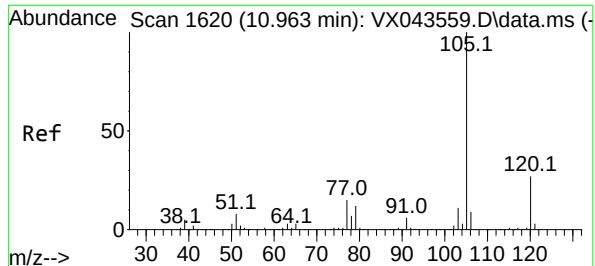
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

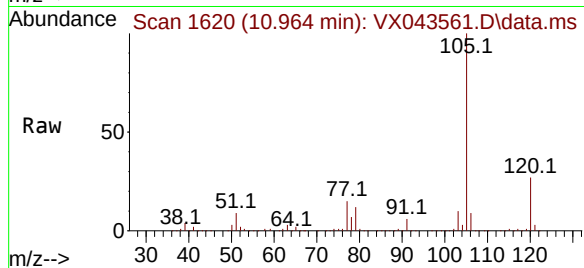
Tgt Ion:152 Resp: 112300
Ion Ratio Lower Upper
152 100
115 125.0 42.9 128.7
150 205.6 0.0 343.6





#73
Isopropylbenzene
Concen: 135.577 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

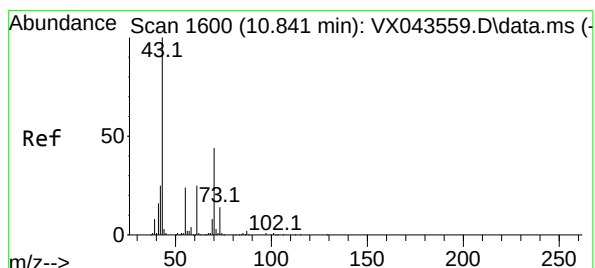
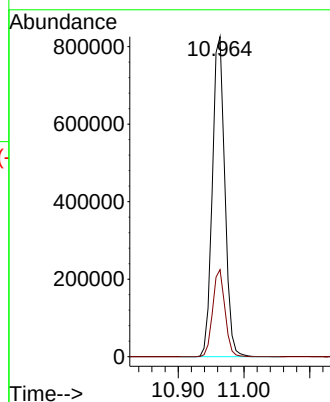
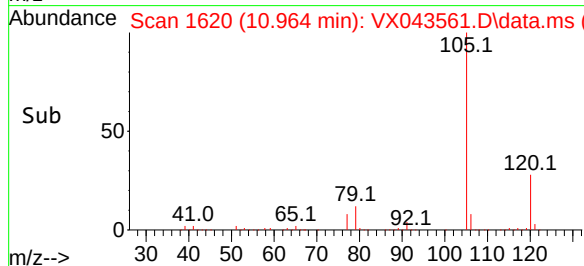
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 108827
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.6

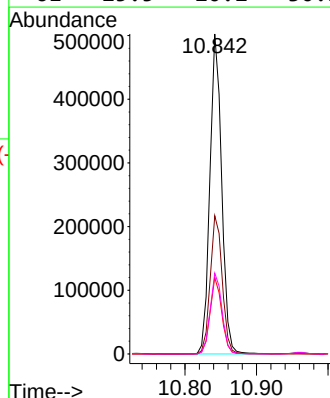
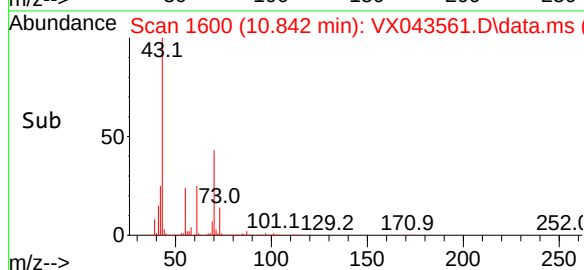
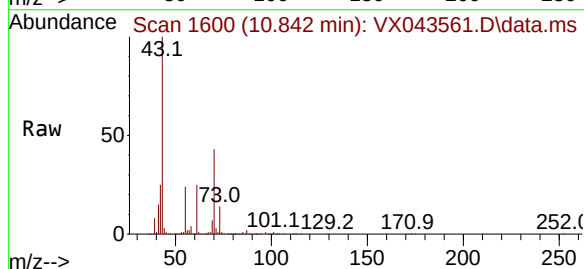
Manual Integrations
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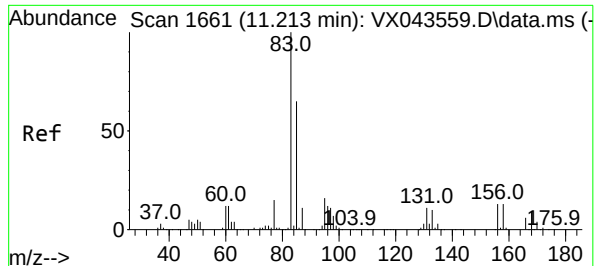
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#74
N-ethyl acetate
Concen: 142.309 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

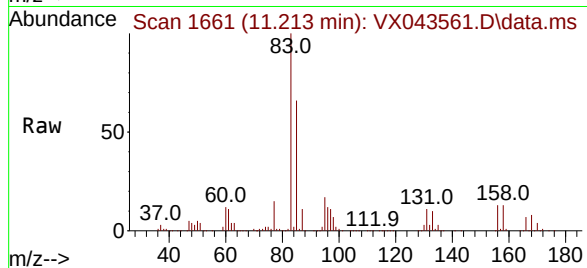
Tgt Ion: 43 Resp: 575386
Ion Ratio Lower Upper
43 100
70 44.2 34.6 52.0
55 23.7 19.6 29.4
61 25.5 20.2 30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 130.738 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

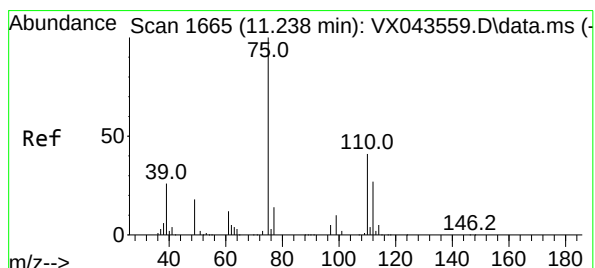
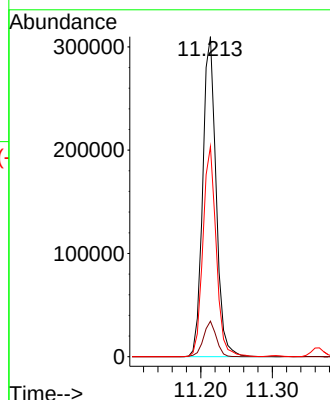
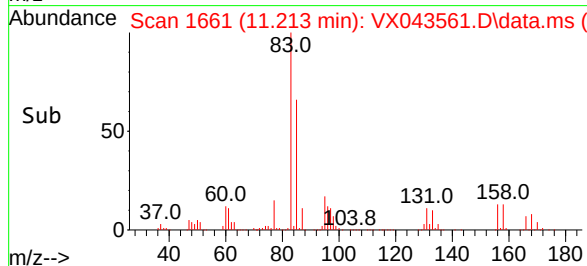
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 40201
Ion Ratio Lower Upper
83 100
131 10.7 5.3 15.9
85 65.4 32.4 97.0

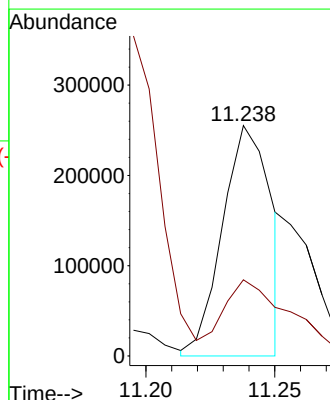
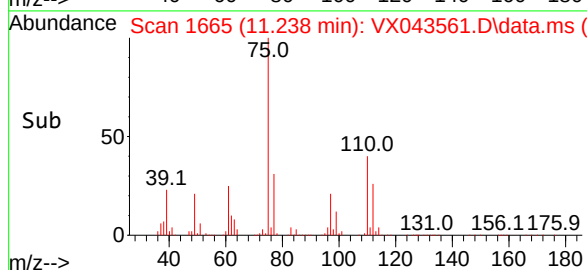
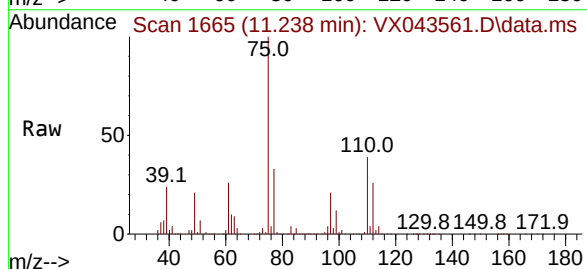
Manual Integrations
APPROVED

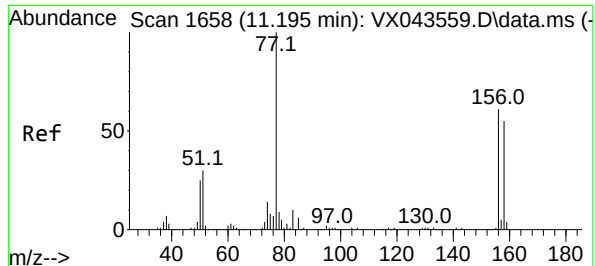
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#76
1,2,3-Trichloropropane
Concen: 128.467 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

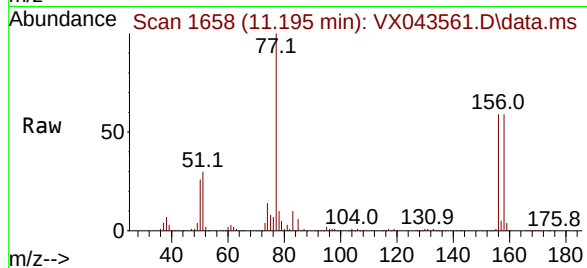
Tgt Ion: 75 Resp: 335384
Ion Ratio Lower Upper
75 100
77 45.8 22.4 67.2





#77
Bromobenzene
Concen: 139.269 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

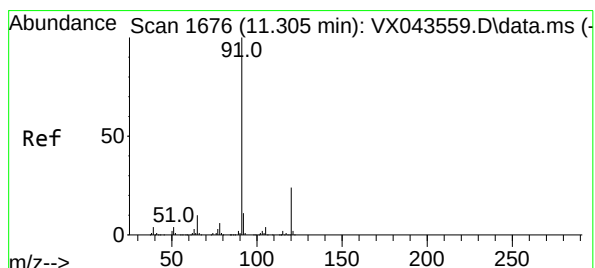
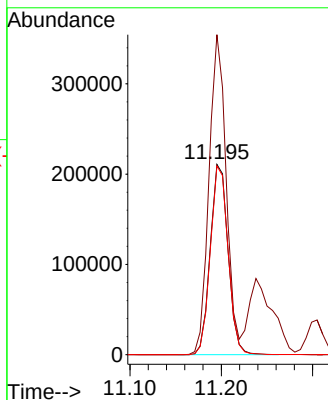
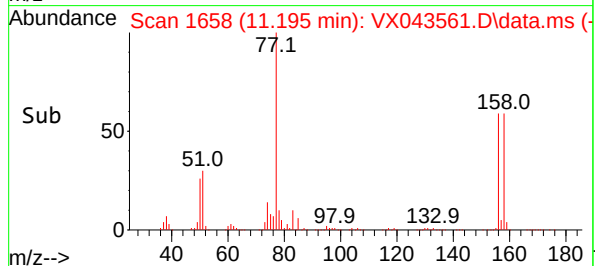
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:156 Resp: 285389
Ion Ratio Lower Upper
156 100
77 161.2 79.7 239.1
158 98.7 48.0 144.0

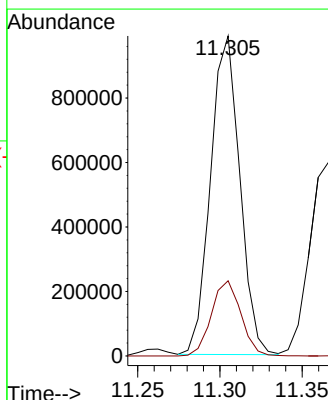
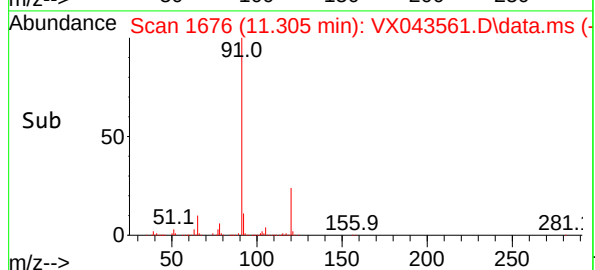
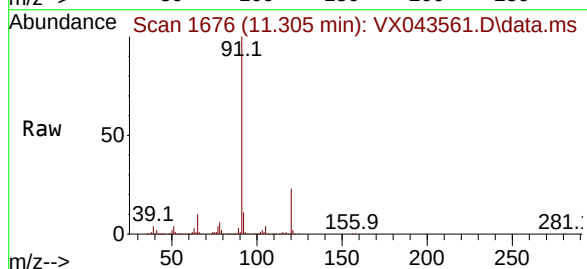
Manual Integrations
APPROVED

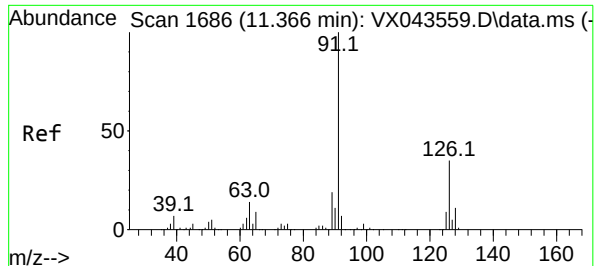
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#78
n-propylbenzene
Concen: 143.160 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 91 Resp: 1224689
Ion Ratio Lower Upper
91 100
120 23.8 11.6 34.7





#79

2-Chlorotoluene

Concen: 134.748 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 773459

Ion Ratio Lower Upper

91 100

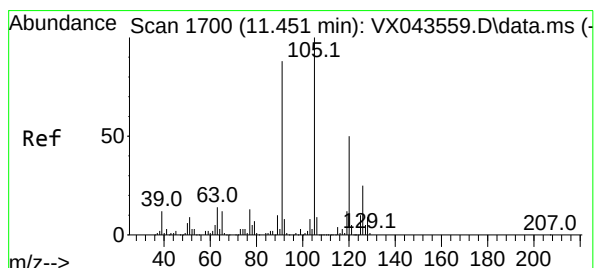
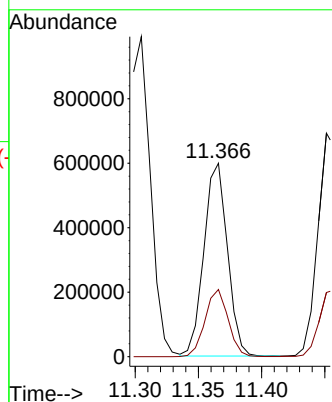
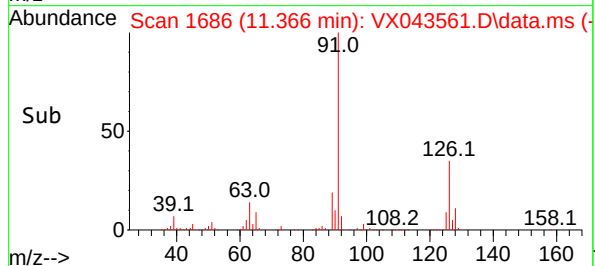
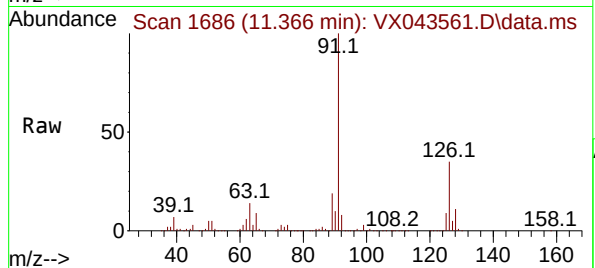
126 34.2 16.7 50.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#80

1,3,5-Trimethylbenzene

Concen: 137.180 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043561.D

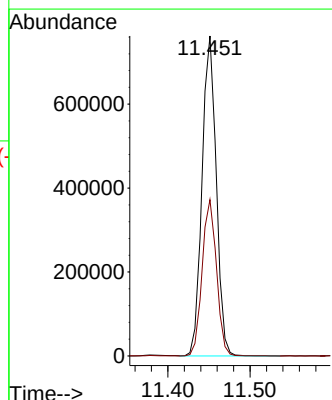
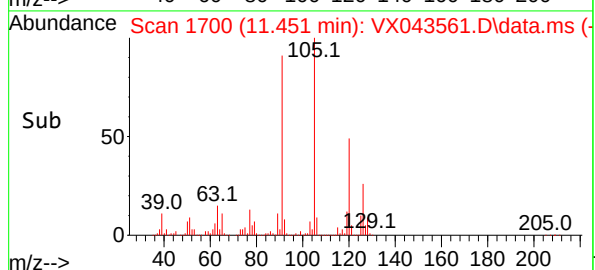
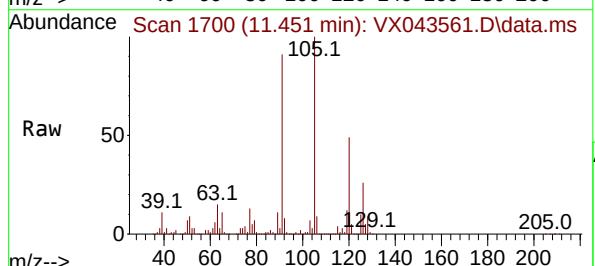
Acq: 28 Oct 2024 12:54

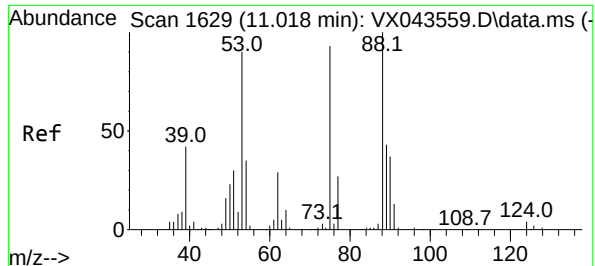
Tgt Ion:105 Resp: 914265

Ion Ratio Lower Upper

105 100

120 49.3 23.8 71.5





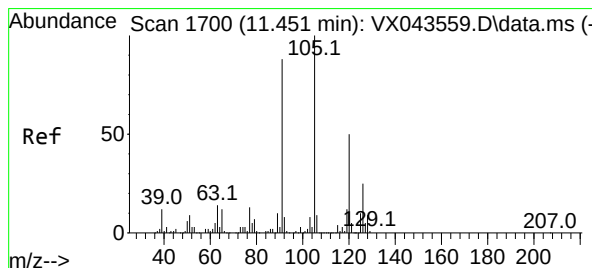
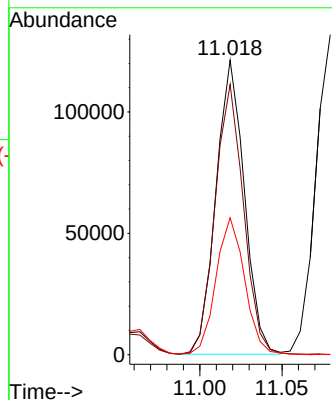
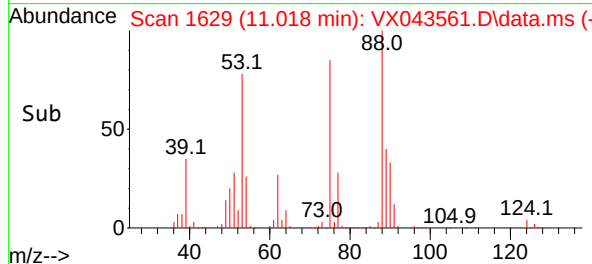
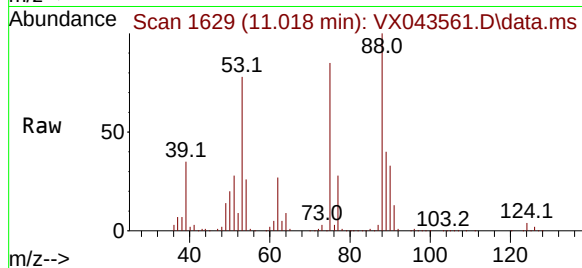
#81
trans-1,4-Dichloro-2-butene
Concen: 170.044 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 145480
Ion Ratio Lower Upper
75 100
53 92.3 84.6 126.8
89 47.1 38.6 58.0

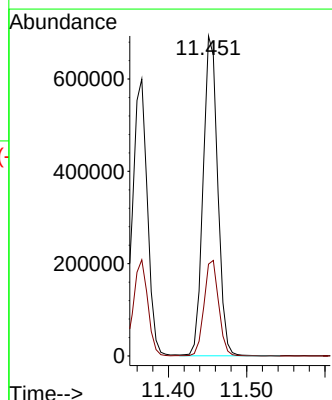
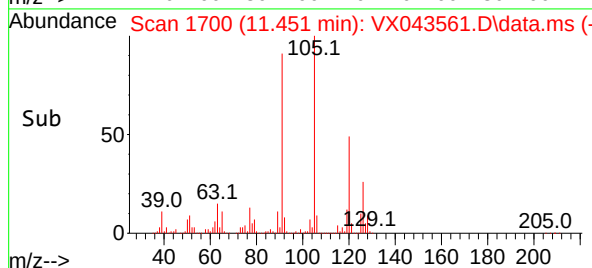
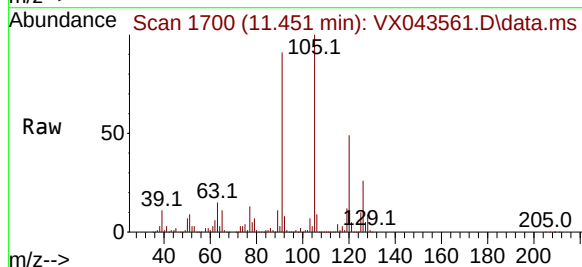
Manual Integrations
APPROVED

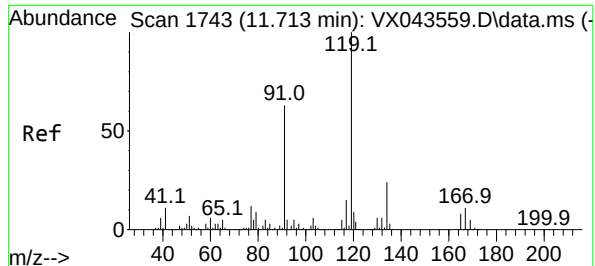
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#82
4-Chlorotoluene
Concen: 140.669 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 91 Resp: 893567
Ion Ratio Lower Upper
91 100
126 29.9 14.2 42.8





#83

tert-Butylbenzene

Concen: 137.660 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:119 Resp: 93562

Ion Ratio Lower Upper

119 100

91 58.3 29.5 88.5

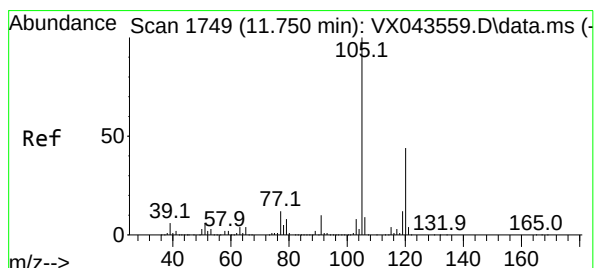
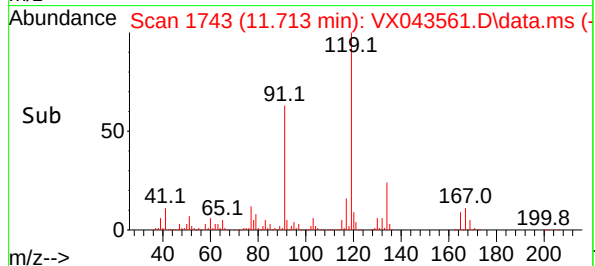
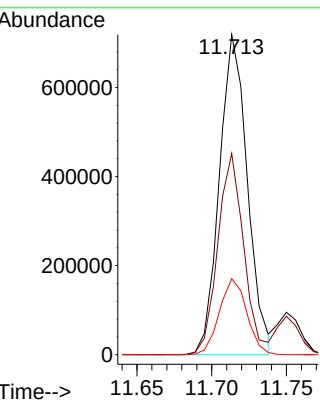
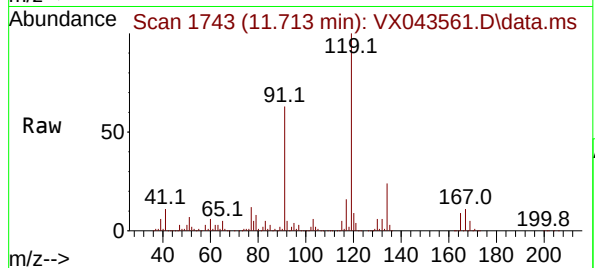
134 23.3 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#84

1,2,4-Trimethylbenzene

Concen: 139.821 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043561.D

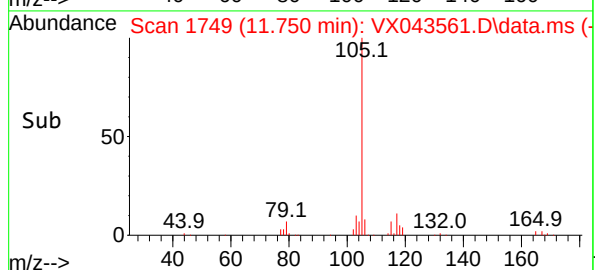
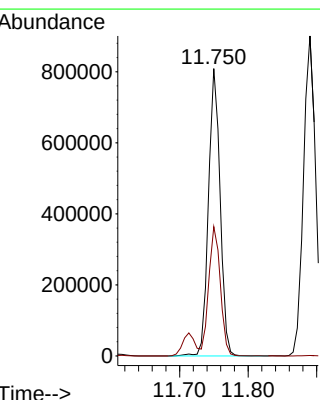
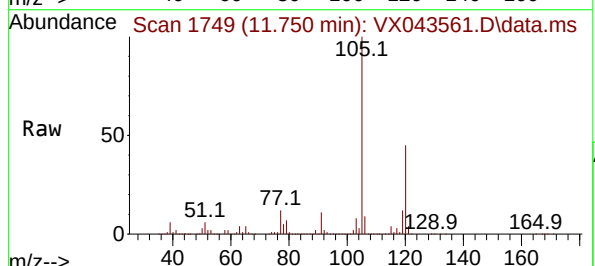
Acq: 28 Oct 2024 12:54

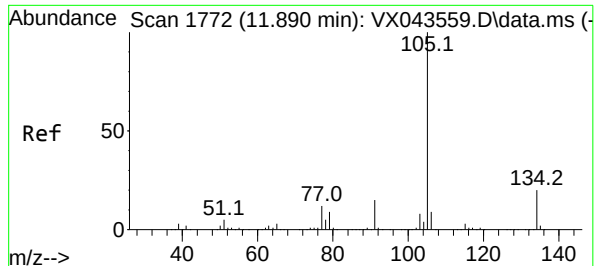
Tgt Ion:105 Resp: 953082

Ion Ratio Lower Upper

105 100

120 44.4 22.1 66.1





#85

sec-Butylbenzene

Concen: 141.391 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:105 Resp: 1112980

Ion Ratio Lower Upper

105 100

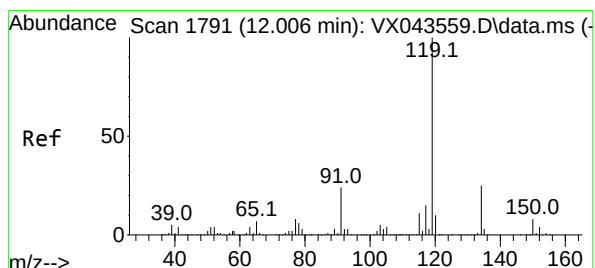
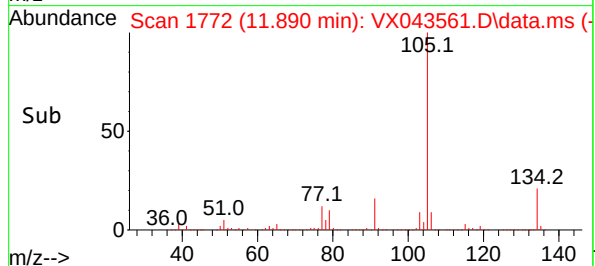
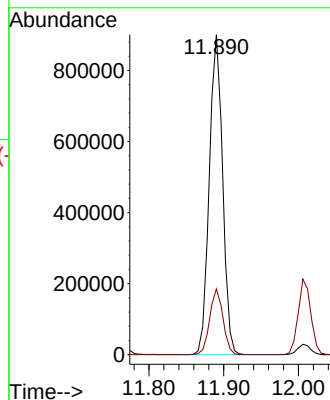
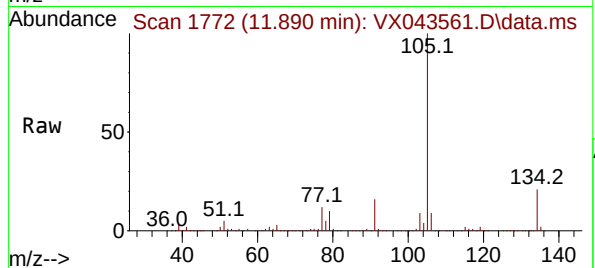
134 20.4 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#86

p-Isopropyltoluene

Concen: 147.051 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

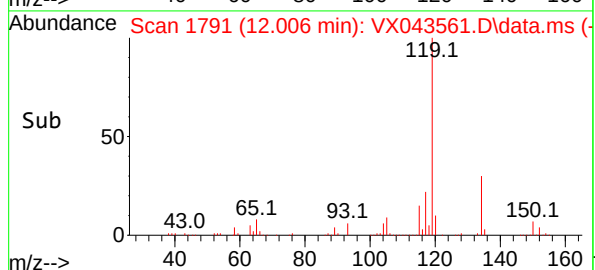
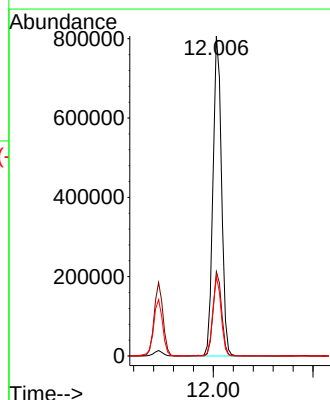
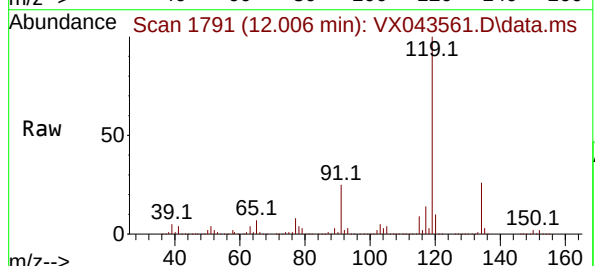
Tgt Ion:119 Resp: 958987

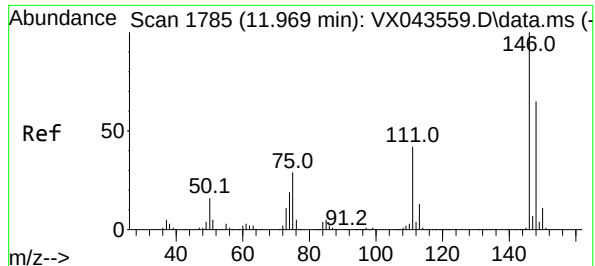
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 24.3 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 141.838 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 52152

Ion Ratio Lower Upper

146 100

111 41.4 21.1 63.4

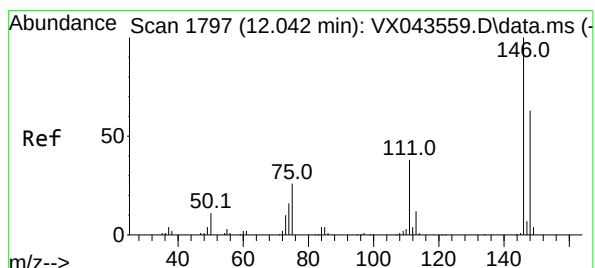
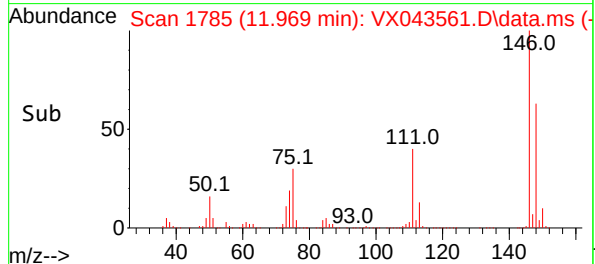
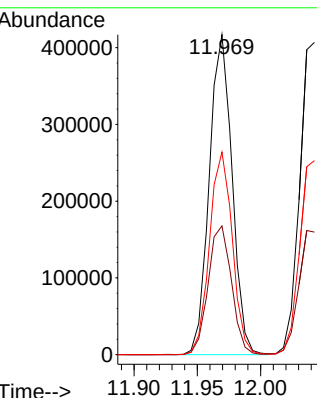
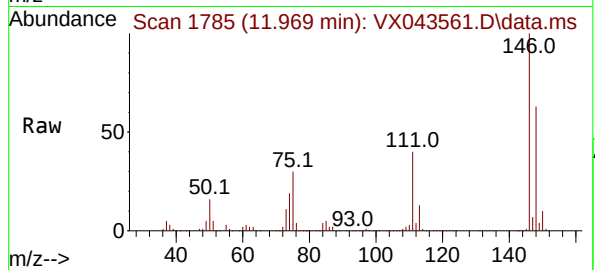
148 63.5 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#88

1,4-Dichlorobenzene

Concen: 140.994 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

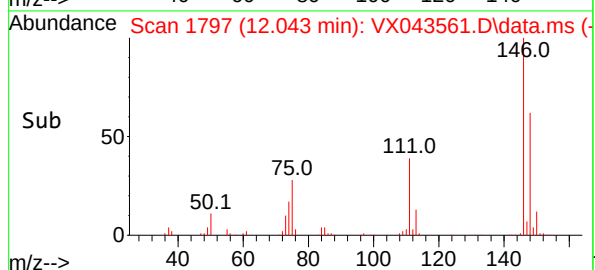
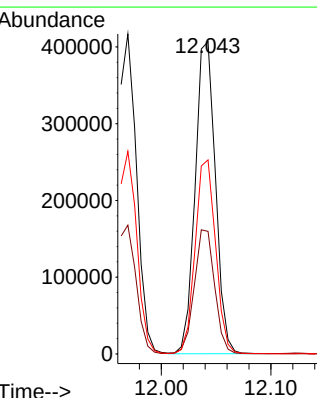
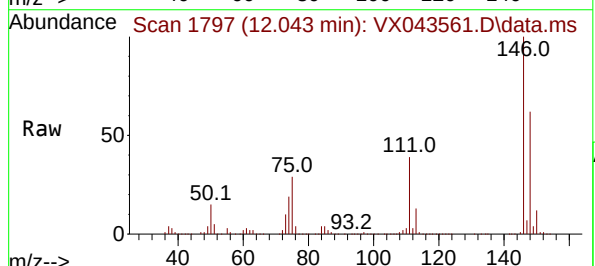
Tgt Ion:146 Resp: 522586

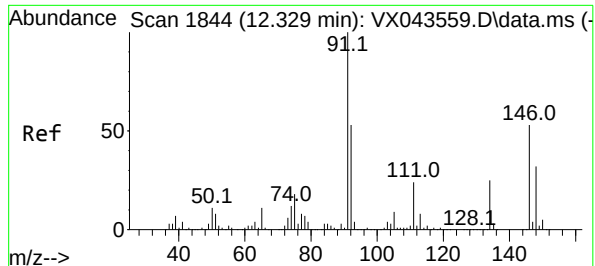
Ion Ratio Lower Upper

146 100

111 40.0 20.4 61.3

148 62.9 31.9 95.9





#89

n-Butylbenzene

Concen: 157.180 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 830990

Ion Ratio Lower Upper

91 100

92 55.0 27.1 81.2

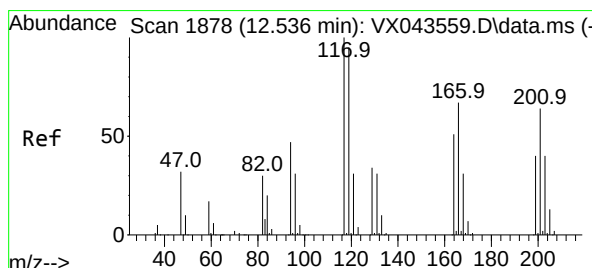
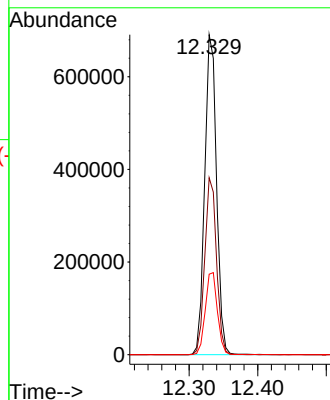
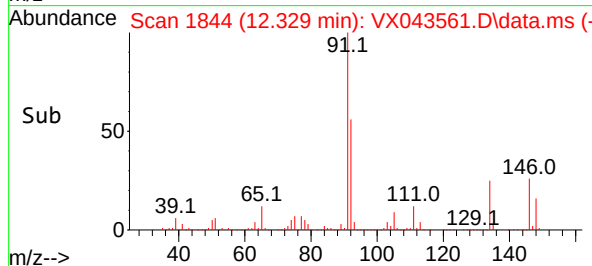
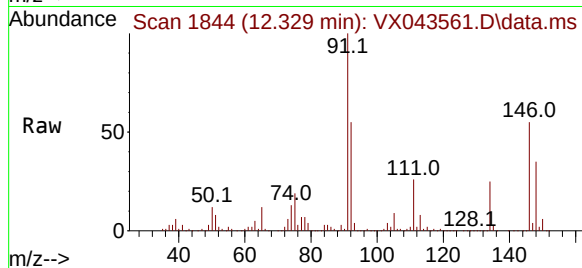
134 26.3 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#90

Hexachloroethane

Concen: 170.120 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043561.D

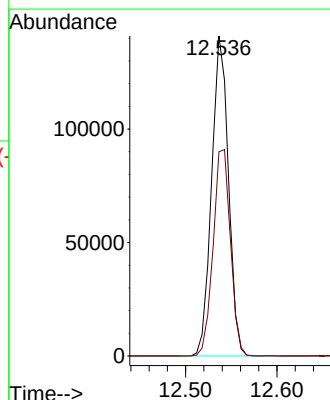
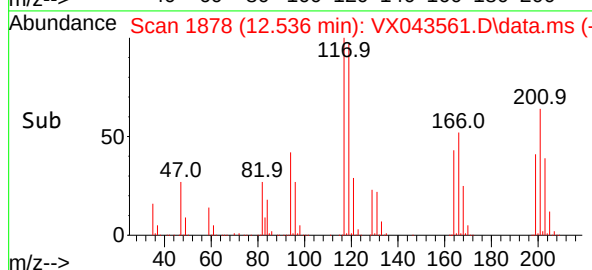
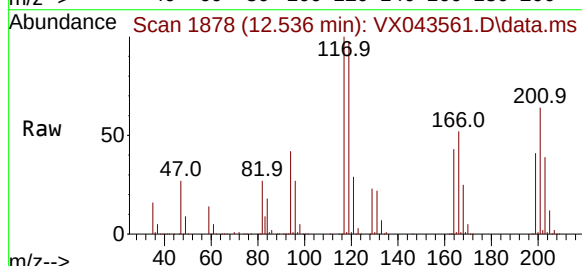
Acq: 28 Oct 2024 12:54

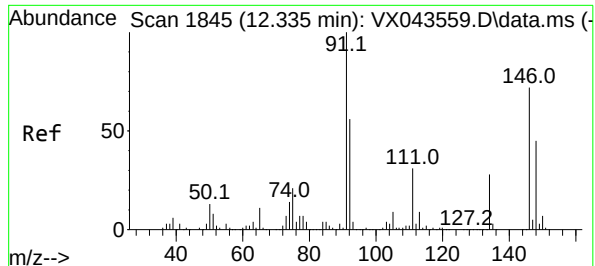
Tgt Ion:117 Resp: 179474

Ion Ratio Lower Upper

117 100

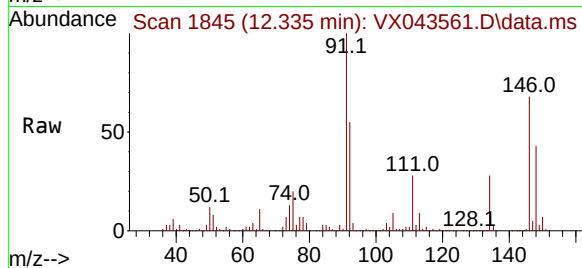
201 66.9 32.9 98.7





#91
1,2-Dichlorobenzene
Concen: 140.889 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

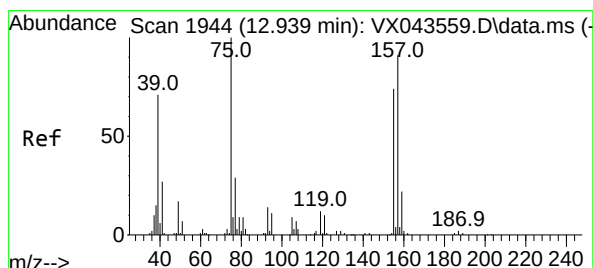
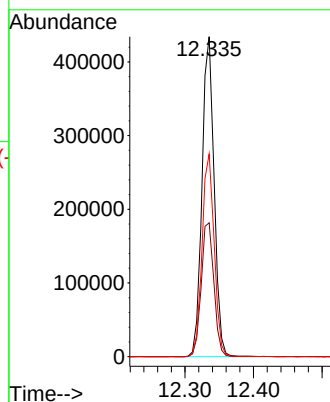
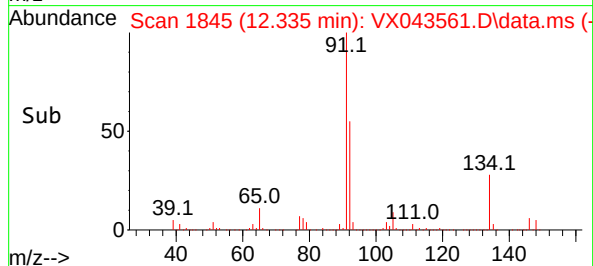
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:146 Resp: 53415
Ion Ratio Lower Upper
146 100
111 43.8 21.6 64.6
148 63.6 31.6 95.0

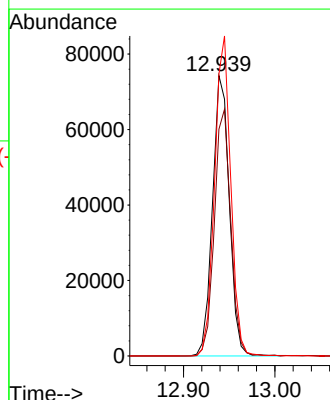
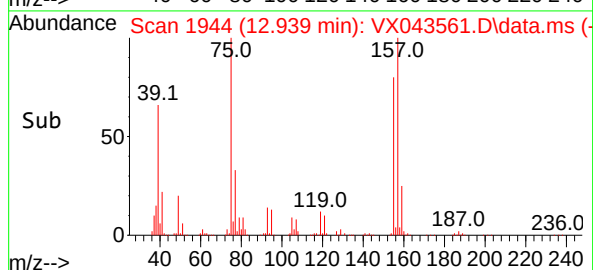
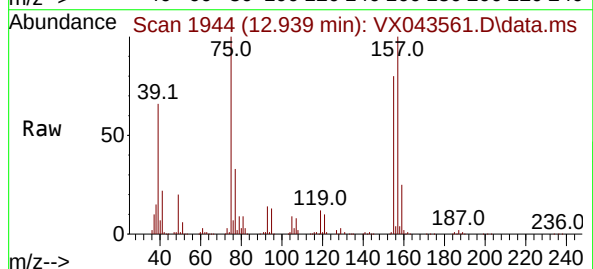
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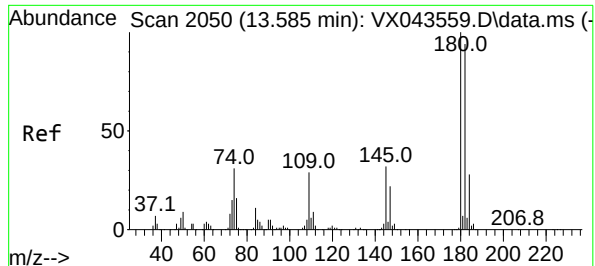
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 144.811 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 75 Resp: 94746
Ion Ratio Lower Upper
75 100
155 86.1 40.1 120.3
157 109.9 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 159.641 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 354420

Ion Ratio Lower Upper

180 100

182 94.4 46.8 140.4

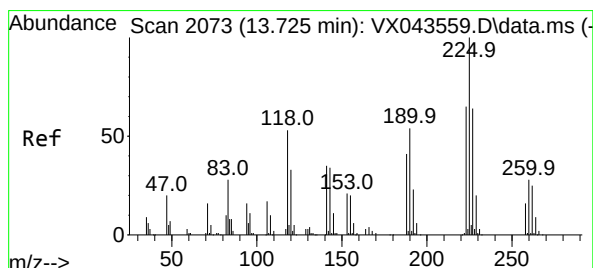
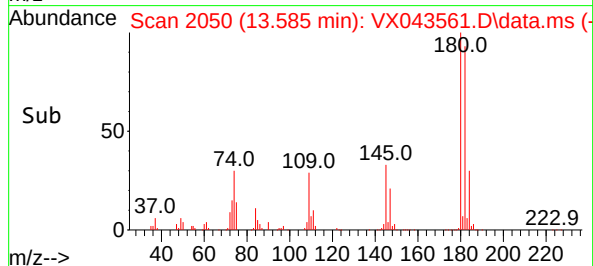
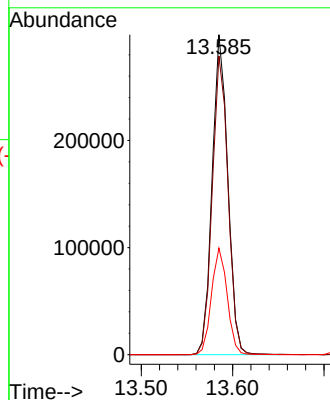
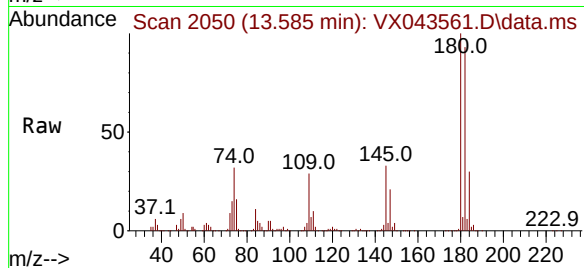
145 33.5 16.1 48.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#94

Hexachlorobutadiene

Concen: 150.492 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX043561.D

Acq: 28 Oct 2024 12:54

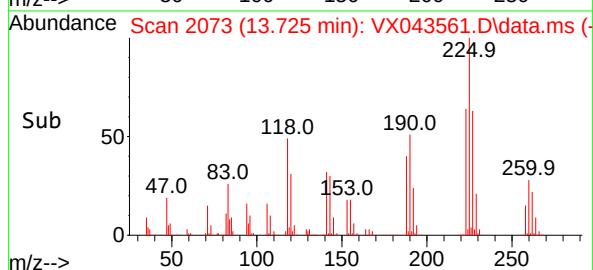
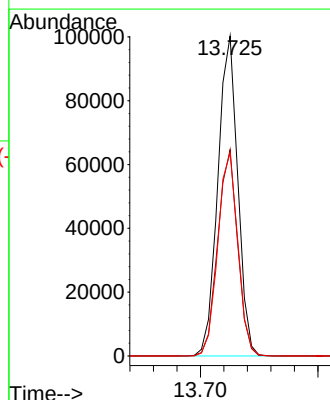
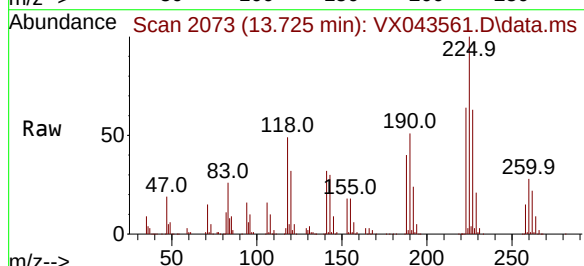
Tgt Ion:225 Resp: 118245

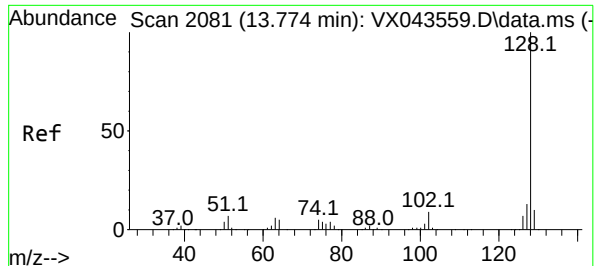
Ion Ratio Lower Upper

225 100

223 64.1 30.8 92.4

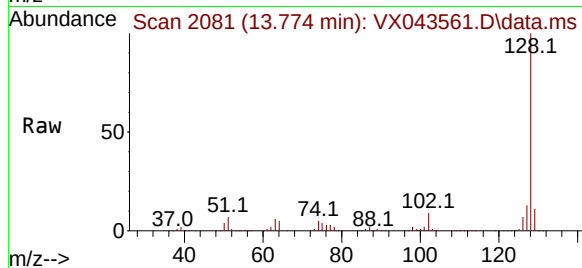
227 63.9 31.6 94.8





#95
Naphthalene
Concen: 148.198 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

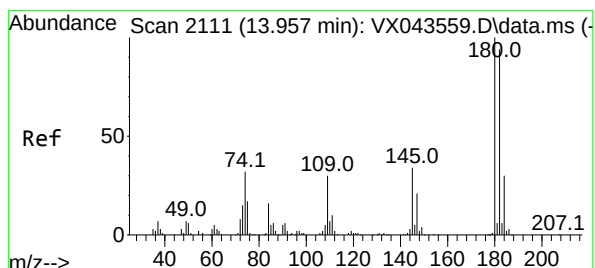
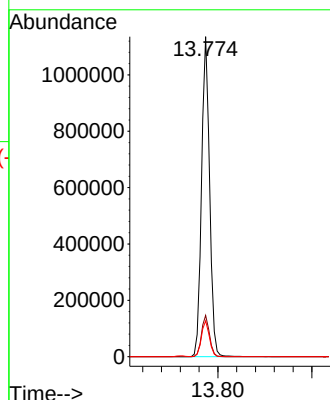
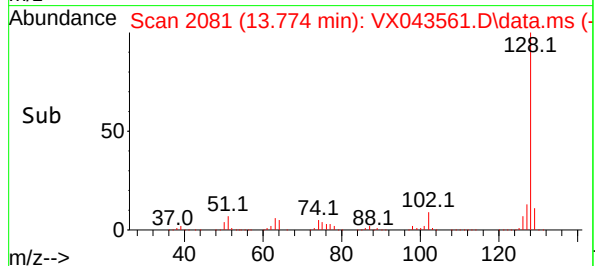
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



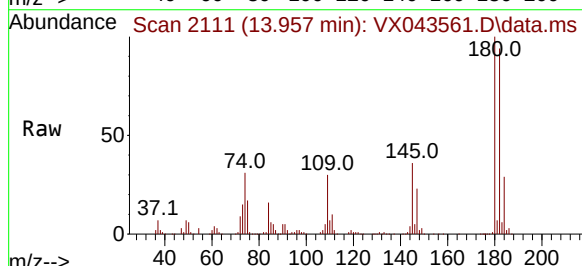
Tgt Ion:128 Resp: 135012
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.1 8.7 13.1

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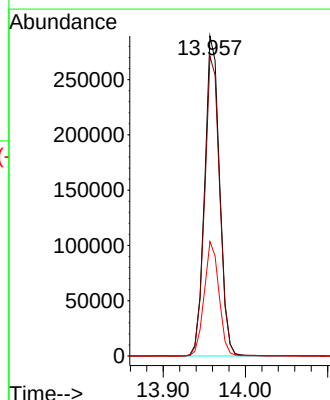
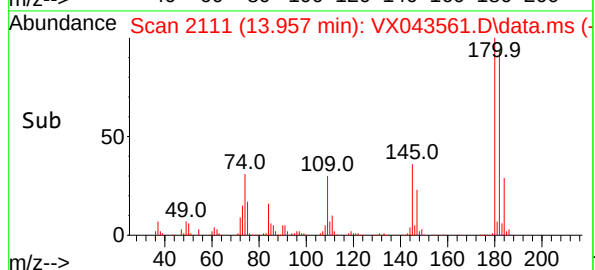
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 156.686 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54



Tgt Ion:180 Resp: 363960
Ion Ratio Lower Upper
180 100
182 94.8 47.1 141.3
145 35.3 17.4 52.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043563.D
 Acq On : 28 Oct 2024 14:27
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102824

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/29/2024
 Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 29 03:22:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	179424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	320605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	273282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	130207	45.512	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.020%		
35) Dibromofluoromethane	5.385	113	103607	47.657	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.320%		
50) Toluene-d8	8.647	98	364696	48.461	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.920%		
62) 4-Bromofluorobenzene	11.079	95	134767	48.327	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	81674	42.565	ug/l	94
3) Chloromethane	1.294	50	101631	41.434	ug/l	99
4) Vinyl Chloride	1.374	62	99612	43.758	ug/l	96
5) Bromomethane	1.593	94	38610	41.604	ug/l	98
6) Chloroethane	1.660	64	32071	39.988	ug/l	96
7) Trichlorofluoromethane	1.855	101	128270	46.124	ug/l	96
8) Diethyl Ether	2.136	74	55490	43.186	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.306	101	83899	44.609	ug/l	98
10) Methyl Iodide	2.441	142	121643	44.767	ug/l	99
11) Tert butyl alcohol	3.044	59	122504	229.410	ug/l #	100
12) 1,1-Dichloroethene	2.300	96	86406	44.957	ug/l	95
13) Acrolein	2.239	56	91162	218.298	ug/l	99
14) Allyl chloride	2.654	41	151352	45.529	ug/l	99
15) Acrylonitrile	3.069	53	266930	221.401	ug/l	98
16) Acetone	2.398	43	254666	224.158	ug/l	99
17) Carbon Disulfide	2.495	76	190995	47.524	ug/l	99
18) Methyl Acetate	2.709	43	140984	42.460	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	317078	43.380	ug/l	97
20) Methylene Chloride	2.782	84	101646	41.513	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	89643	44.148	ug/l	96
22) Diisopropyl ether	3.764	45	300804	43.777	ug/l	97
23) Vinyl Acetate	3.721	43	1302117	229.380	ug/l	99
24) 1,1-Dichloroethane	3.605	63	172319	43.633	ug/l	100
25) 2-Butanone	4.568	43	368994	222.655	ug/l	100
26) 2,2-Dichloropropane	4.465	77	148949	46.075	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	113181	43.635	ug/l	98
28) Bromochloromethane	4.891	49	80045	42.606	ug/l	99
29) Tetrahydrofuran	5.007	42	235105	218.299	ug/l	99
30) Chloroform	5.086	83	180585	43.621	ug/l	95
31) Cyclohexane	5.458	56	133601	44.229	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	157829	45.409	ug/l	99
36) 1,1-Dichloropropene	5.684	75	115808	44.924	ug/l	99
37) Ethyl Acetate	4.721	43	146662	46.862	ug/l	99
38) Carbon Tetrachloride	5.672	117	131275	46.088	ug/l	98
39) Methylcyclohexane	7.373	83	146003	45.618	ug/l	97
40) Benzene	6.031	78	379529	44.132	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043563.D
 Acq On : 28 Oct 2024 14:27
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102824

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
 Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 29 03:22:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	73439	44.704	ug/l	94
42) 1,2-Dichloroethane	6.080	62	137504	44.475	ug/l	99
43) Isopropyl Acetate	6.342	43	233162	45.049	ug/l	99
44) Trichloroethene	7.123	130	95769	44.826	ug/l	95
45) 1,2-Dichloropropane	7.428	63	94807	44.772	ug/l	98
46) Dibromomethane	7.580	93	71516	43.863	ug/l	98
47) Bromodichloromethane	7.818	83	134816	47.134	ug/l	100
48) Methyl methacrylate	7.696	41	113455	46.235	ug/l	100
49) 1,4-Dioxane	7.677	88	52802	1047.352	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	723604	229.383	ug/l	99
52) Toluene	8.714	92	239913	46.000	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	143840	46.821	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	156936	47.945	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	97965	45.125	ug/l	99
56) Ethyl methacrylate	9.116	69	161309	45.728	ug/l	98
57) 1,3-Dichloropropane	9.305	76	159880	44.279	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	384698	225.175	ug/l	98
59) 2-Hexanone	9.433	43	551262	230.086	ug/l	99
60) Dibromochloromethane	9.519	129	104046	48.399	ug/l	99
61) 1,2-Dibromoethane	9.610	107	101053	44.841	ug/l	99
64) Tetrachloroethene	9.269	164	78661	45.765	ug/l	96
65) Chlorobenzene	10.079	112	267388	45.479	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	93224	48.543	ug/l	99
67) Ethyl Benzene	10.189	91	450377	46.977	ug/l	97
68) m/p-Xylenes	10.299	106	349227	95.253	ug/l	97
69) o-Xylene	10.640	106	175059	47.523	ug/l	99
70) Styrene	10.653	104	294680	48.130	ug/l	99
71) Bromoform	10.799	173	69053	50.009	ug/l #	98
73) Isopropylbenzene	10.963	105	434285	47.005	ug/l	100
74) N-amyl acetate	10.842	43	212192	47.145	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	151871	45.712	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	123473m	44.275	ug/l	
77) Bromobenzene	11.195	156	108482	45.472	ug/l	100
78) n-propylbenzene	11.305	91	480204	47.669	ug/l	99
79) 2-Chlorotoluene	11.360	91	303930	45.500	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	369790	48.003	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	49799	49.126	ug/l	94
82) 4-Chlorotoluene	11.451	91	348692	46.508	ug/l	97
83) tert-Butylbenzene	11.713	119	375497	47.929	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	372516	47.450	ug/l	99
85) sec-Butylbenzene	11.890	105	444311	48.384	ug/l	99
86) p-Isopropyltoluene	12.006	119	377100	48.310	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	196597	45.977	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	197418	44.556	ug/l	100
89) n-Butylbenzene	12.329	91	317946	49.987	ug/l	100
90) Hexachloroethane	12.536	117	64443	50.825	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	200702	45.901	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	32952	48.652	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	127790	48.149	ug/l	100
94) Hexachlorobutadiene	13.725	225	46538	47.558	ug/l	99
95) Naphthalene	13.774	128	491660	48.409	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	131581	47.022	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

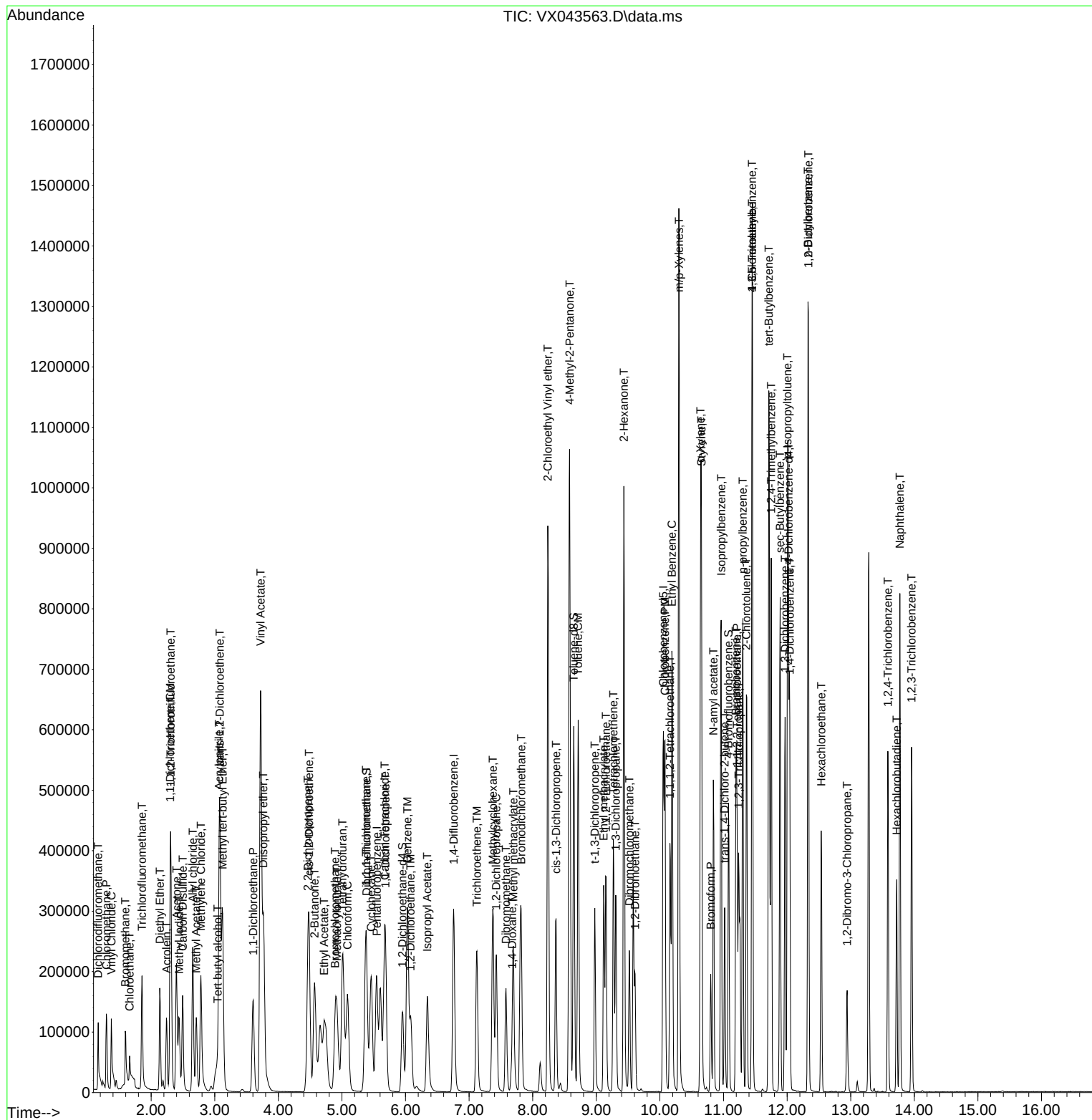
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 Data File : VX043563.D
 Acq On : 28 Oct 2024 14:27
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

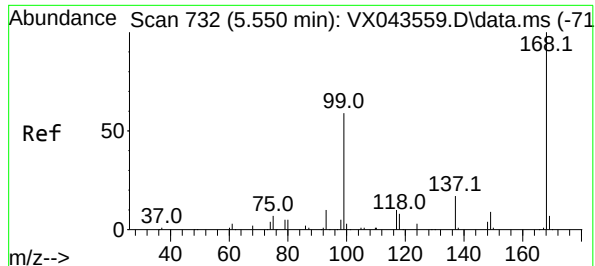
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102824

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/29/2024
 Supervised By : Mahesh Dadoda 10/29/2024

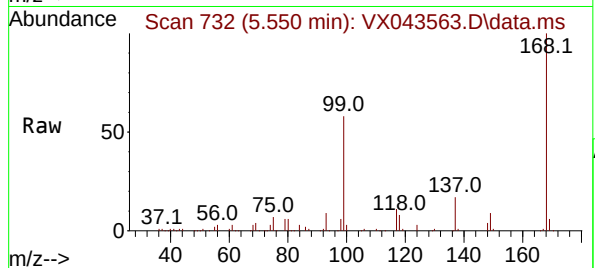
Quant Time: Oct 29 03:22:11 2024
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 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

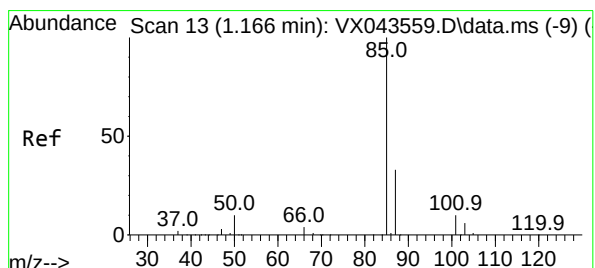
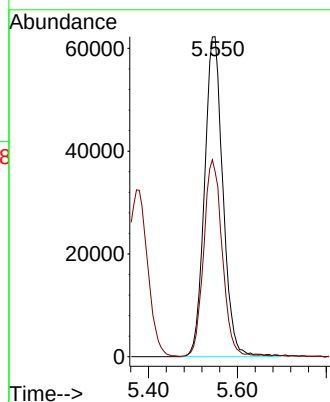
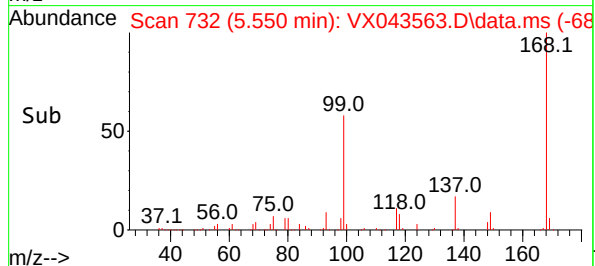
Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824



Tgt Ion:168 Resp: 179424
Ion Ratio Lower Upper
168 100
99 57.7 52.6 78.8

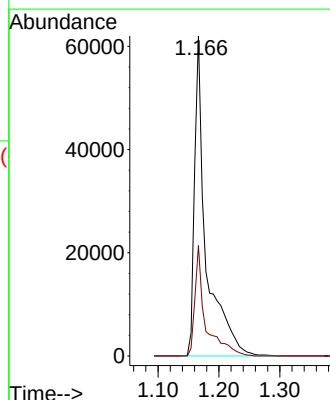
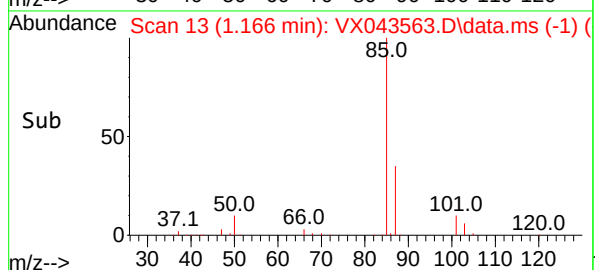
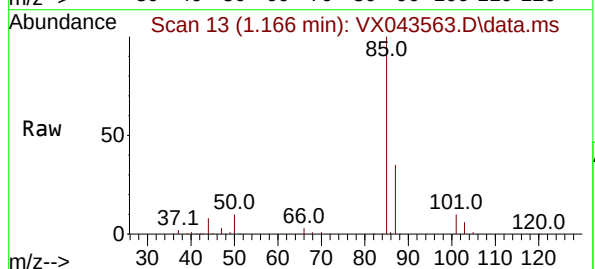
Manual Integrations
APPROVED

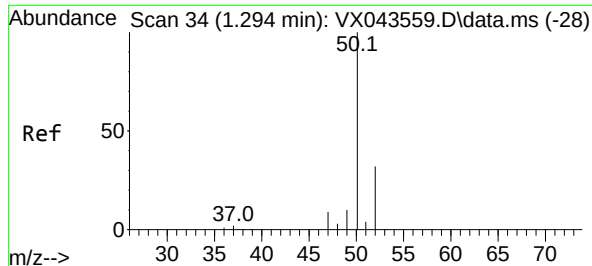
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#2
Dichlorodifluoromethane
Concen: 42.565 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 85 Resp: 81674
Ion Ratio Lower Upper
85 100
87 34.5 15.7 47.0





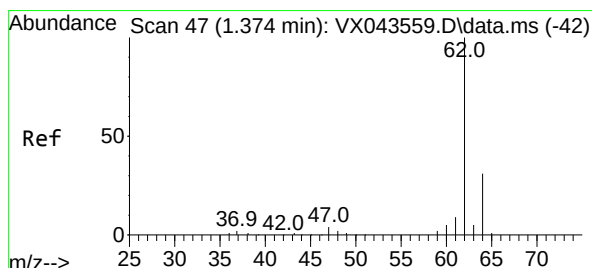
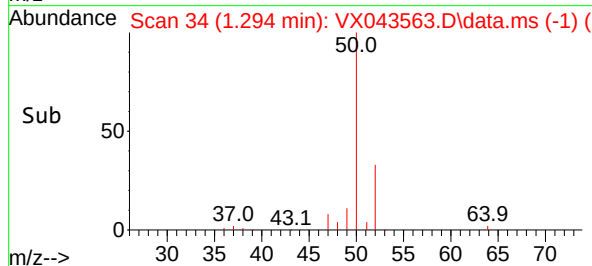
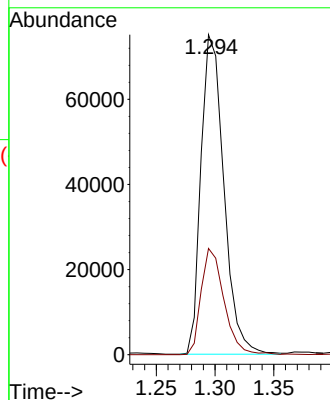
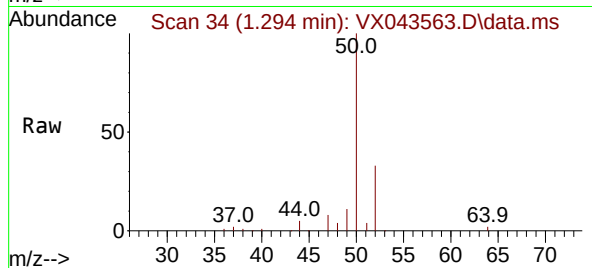
#3
Chloromethane
Concen: 41.434 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVX102824

Tgt Ion: 50 Resp: 10163
Ion Ratio Lower Upper
50 100
52 33.3 26.3 39.5

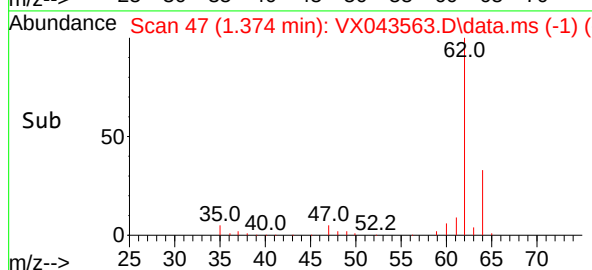
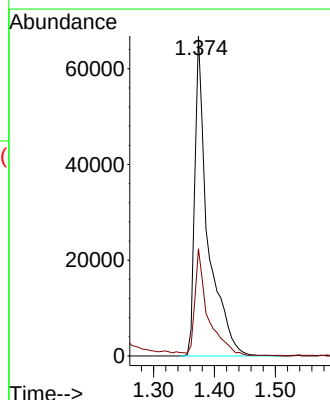
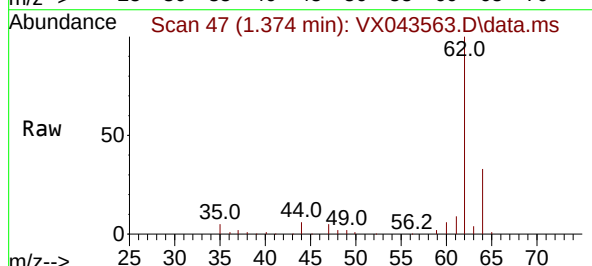
Manual Integrations
APPROVED

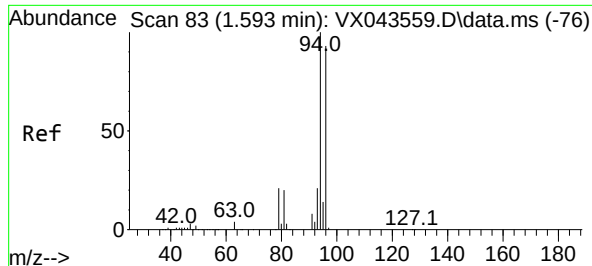
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#4
Vinyl Chloride
Concen: 43.758 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

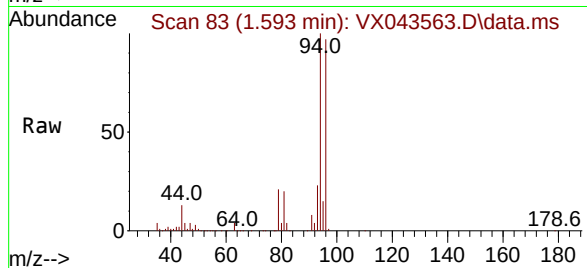
Tgt Ion: 62 Resp: 99612
Ion Ratio Lower Upper
62 100
64 33.3 25.0 37.4





#5
Bromomethane
Concen: 41.604 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

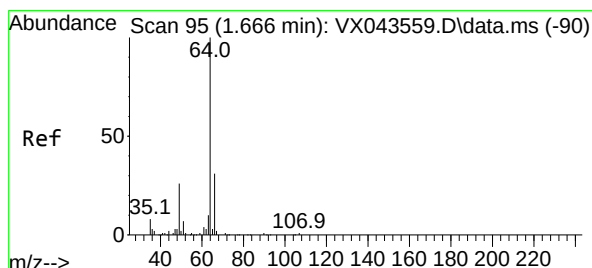
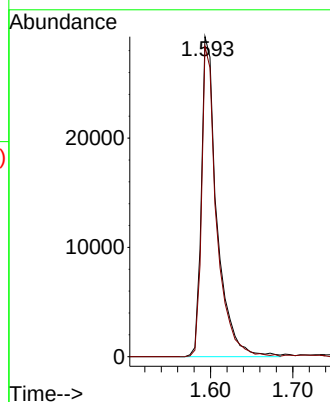
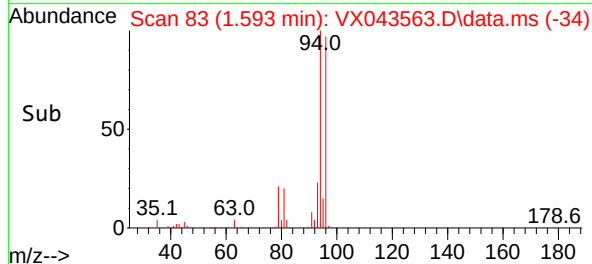
Instrument :
MSVOA_X
ClientSampleId :
ICVX102824



Tgt Ion: 94 Resp: 38610
Ion Ratio Lower Upper
94 100
96 96.9 75.9 113.9

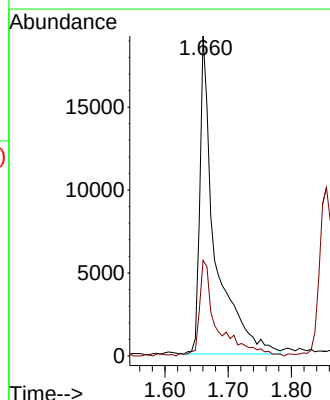
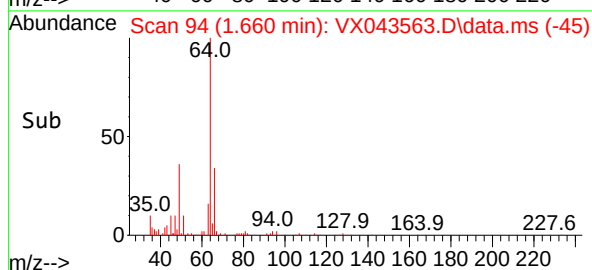
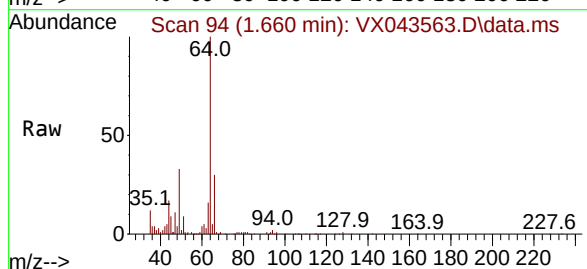
Manual Integrations
APPROVED

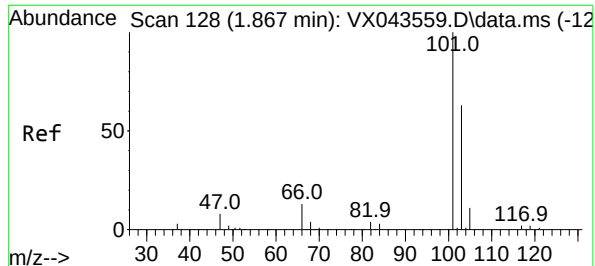
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#6
Chloroethane
Concen: 39.988 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

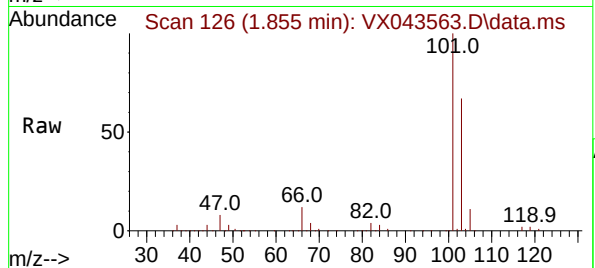
Tgt Ion: 64 Resp: 32071
Ion Ratio Lower Upper
64 100
66 29.4 25.1 37.7





#7
Trichlorofluoromethane
Concen: 46.124 ug/l
RT: 1.855 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

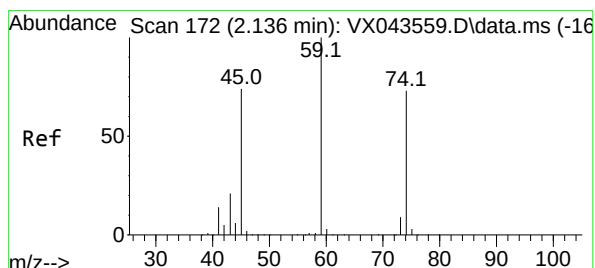
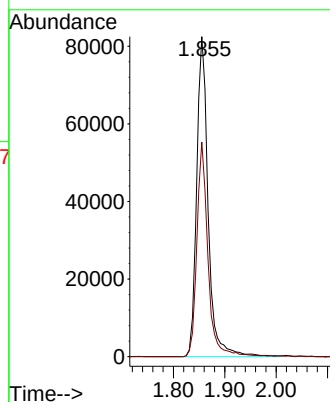
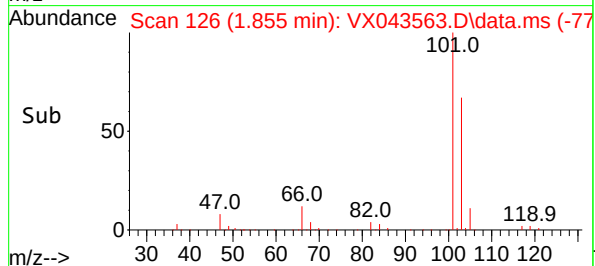
Instrument :
MSVOA_X
ClientSampleId :
ICVX102824



Tgt Ion:101 Resp: 128270
Ion Ratio Lower Upper
101 100
103 67.1 51.3 76.9

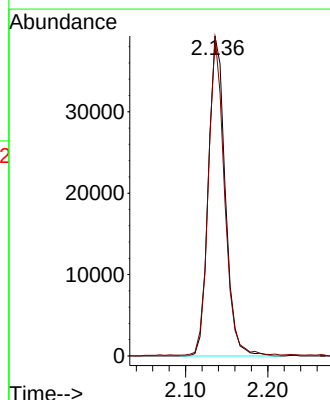
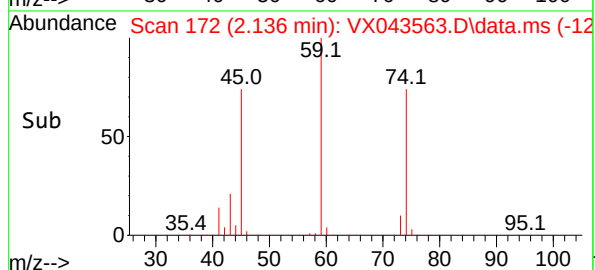
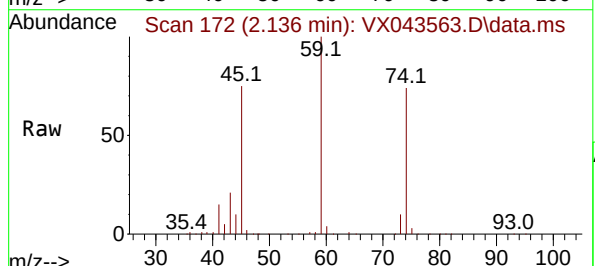
Manual Integrations
APPROVED

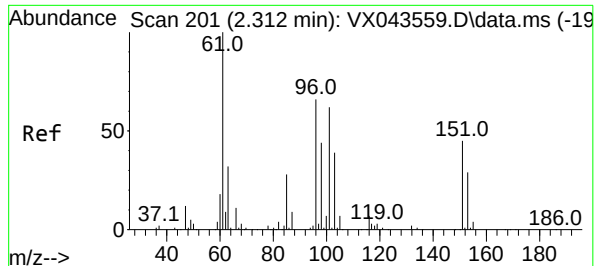
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#8
Diethyl Ether
Concen: 43.186 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 74 Resp: 55490
Ion Ratio Lower Upper
74 100
45 96.0 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.609 ug/l

RT: 2.306 min Scan# 201

Delta R.T. -0.006 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

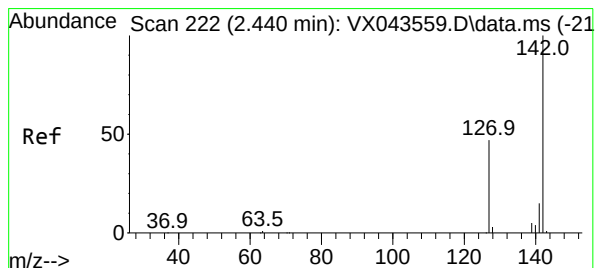
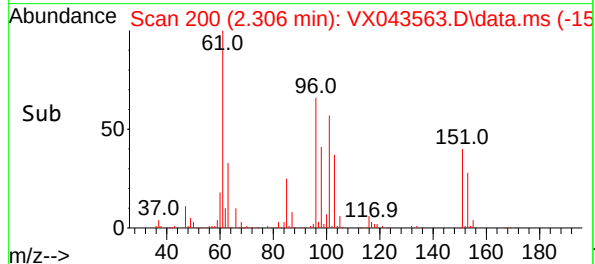
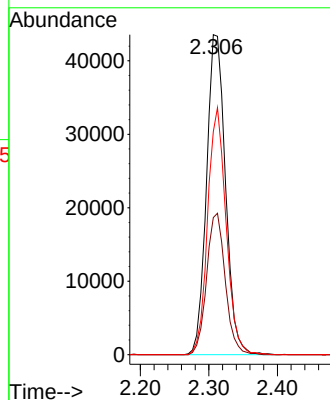
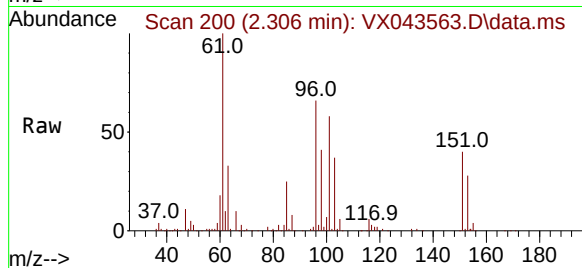
ICVX102824

Tgt Ion:	101	Resp:	8389
Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.5	51.7
151	74.8	58.2	87.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#10

Methyl Iodide

Concen: 44.767 ug/l

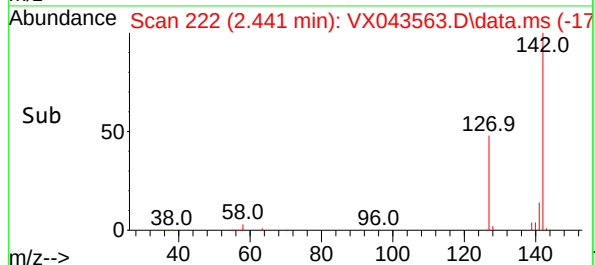
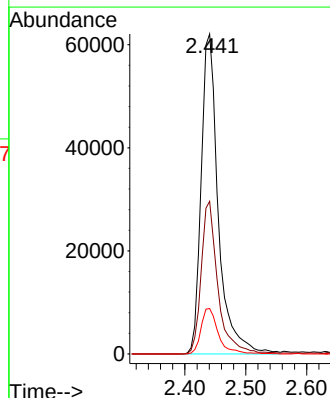
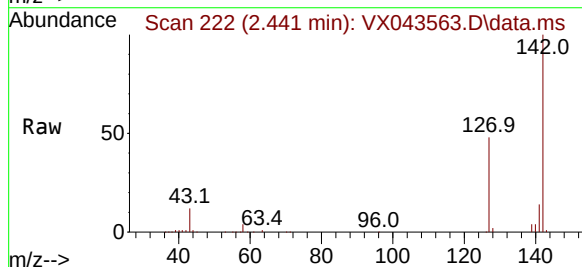
RT: 2.441 min Scan# 222

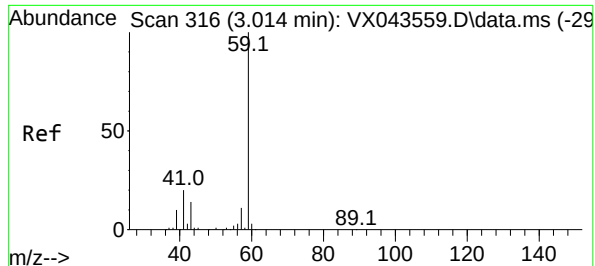
Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Tgt Ion:	142	Resp:	121643
Ion	Ratio	Lower	Upper
142	100		
127	46.7	38.2	57.4
141	14.4	11.5	17.3





#11

Tert butyl alcohol

Concen: 229.410 ug/l

RT: 3.044 min Scan# 316

Delta R.T. -0.006 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102824

Tgt Ion: 59 Resp: 122504

Ion Ratio Lower Upper

59 100

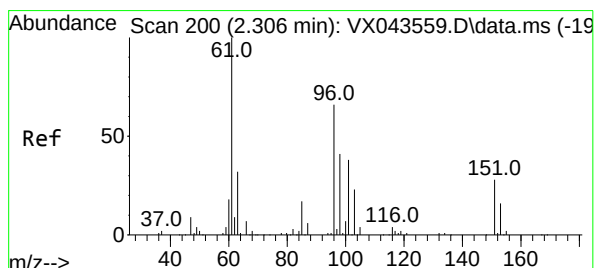
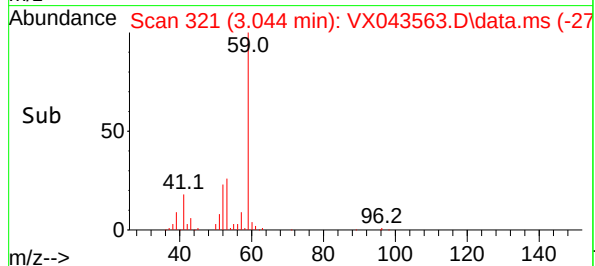
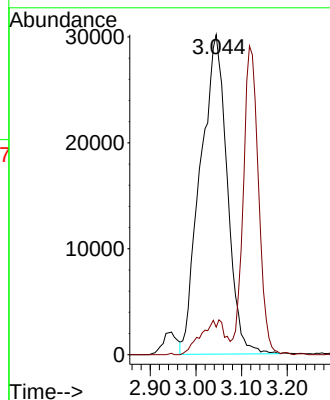
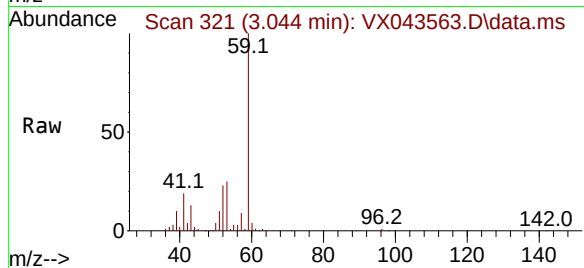
57 9.7 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#12

1,1-Dichloroethene

Concen: 44.957 ug/l

RT: 2.300 min Scan# 199

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

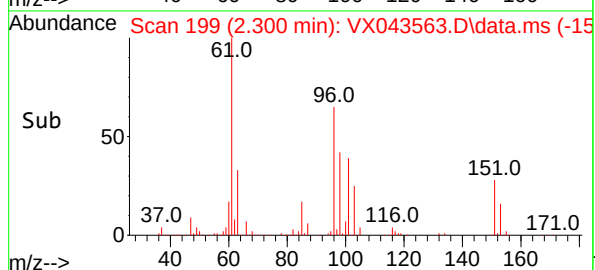
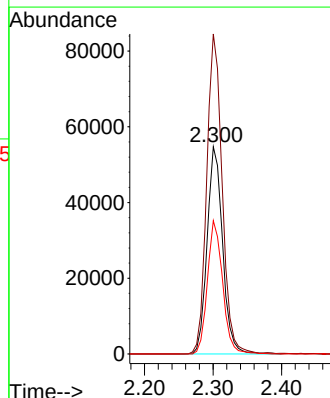
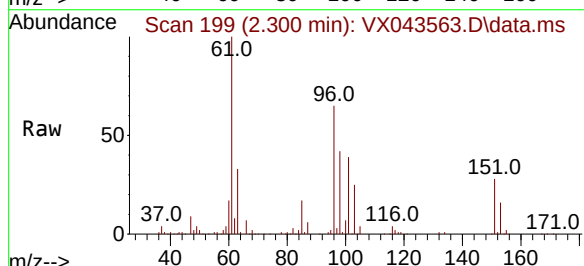
Tgt Ion: 96 Resp: 86406

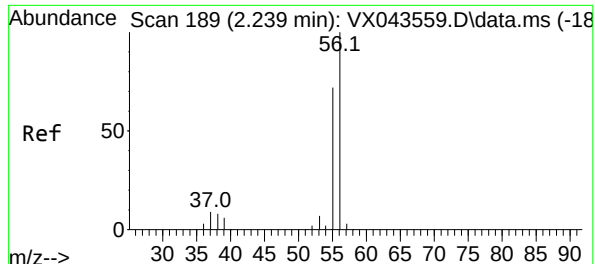
Ion Ratio Lower Upper

96 100

61 154.4 130.2 195.4

98 64.4 51.0 76.6





#13

Acrolein

Concen: 218.298 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 56 Resp: 91162

Ion Ratio Lower Upper

56 100

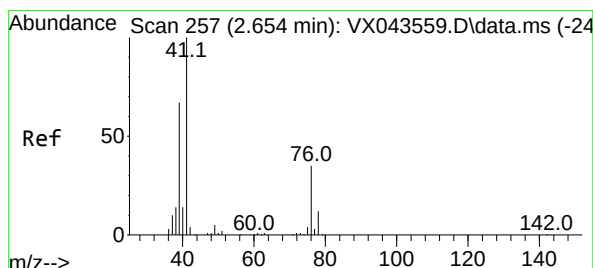
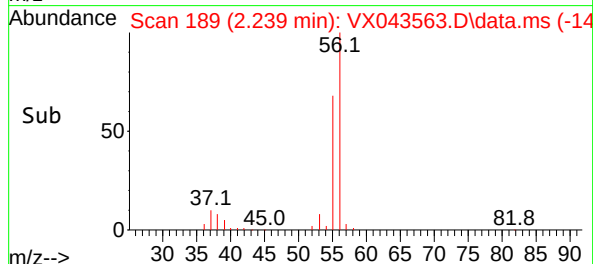
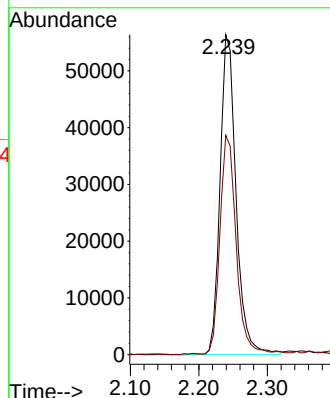
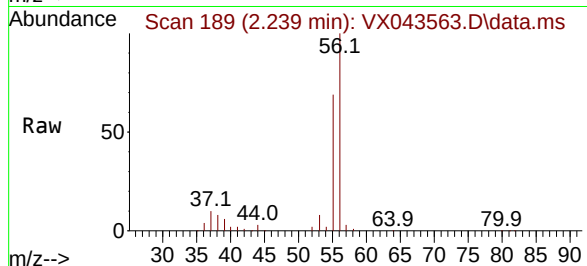
55 69.8 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#14

Allyl chloride

Concen: 45.529 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

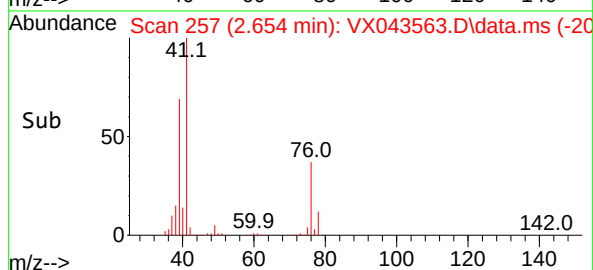
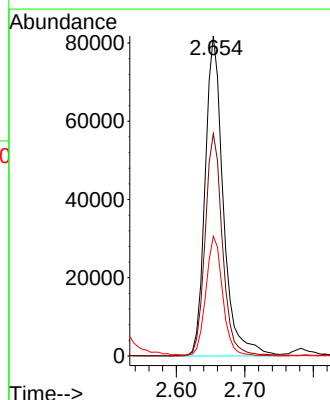
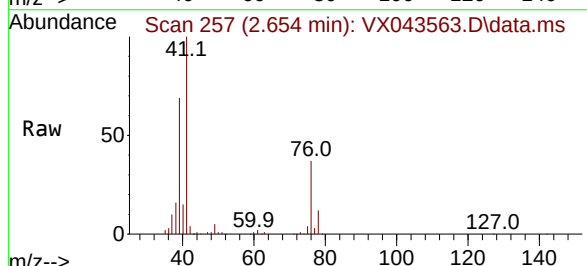
Tgt Ion: 41 Resp: 151352

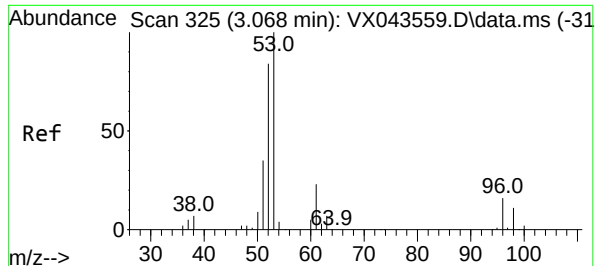
Ion Ratio Lower Upper

41 100

39 66.0 53.2 79.8

76 34.6 27.0 40.6





#15

Acrylonitrile

Concen: 221.401 ug/l

RT: 3.069 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 53 Resp: 266930

Ion Ratio Lower Upper

53 100

52 83.4 65.8 98.6

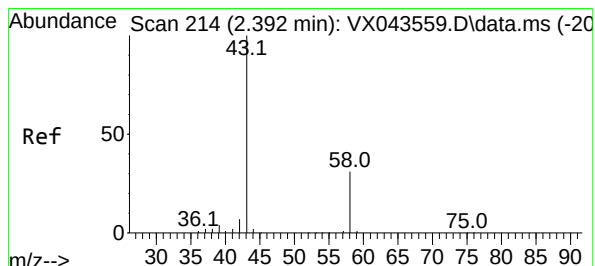
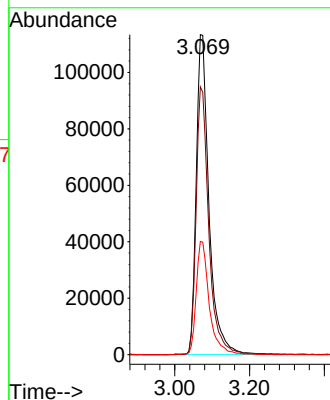
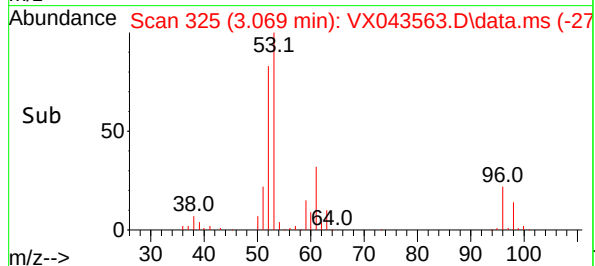
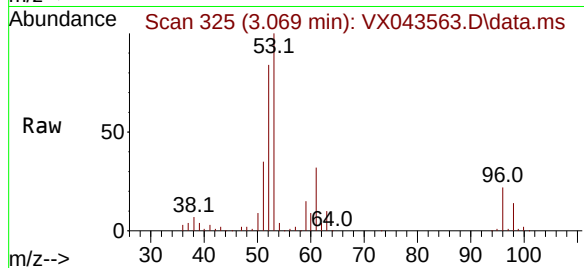
51 36.7 28.5 42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#16

Acetone

Concen: 224.158 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.000 min

Lab File: VX043563.D

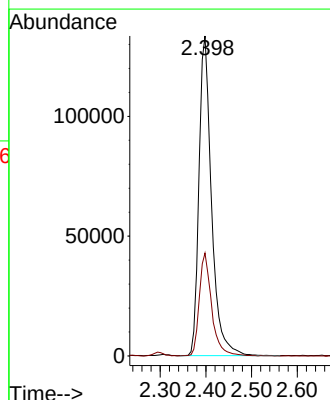
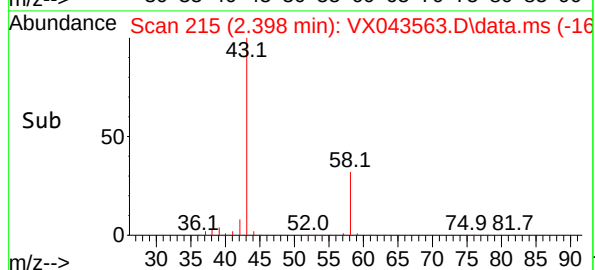
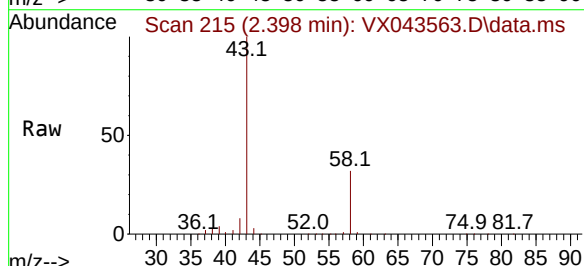
Acq: 28 Oct 2024 14:27

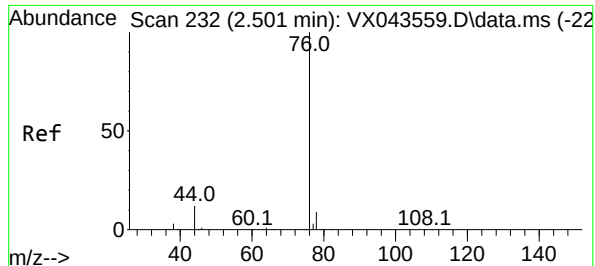
Tgt Ion: 43 Resp: 254666

Ion Ratio Lower Upper

43 100

58 32.2 25.1 37.7





#17

Carbon Disulfide

Concen: 47.524 ug/l

RT: 2.495 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 76 Resp: 19099

Ion Ratio Lower Upper

76 100

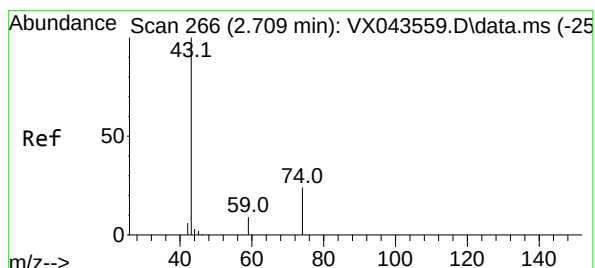
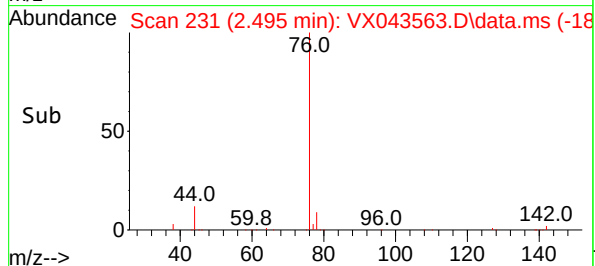
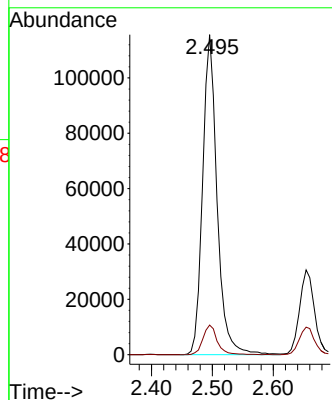
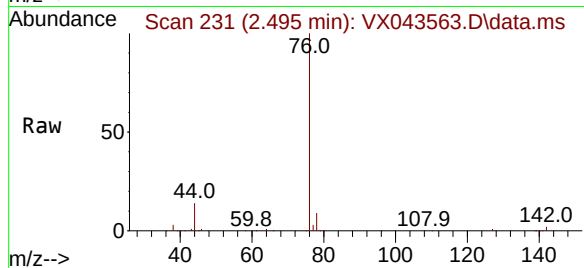
78 9.3 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#18

Methyl Acetate

Concen: 42.460 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX043563.D

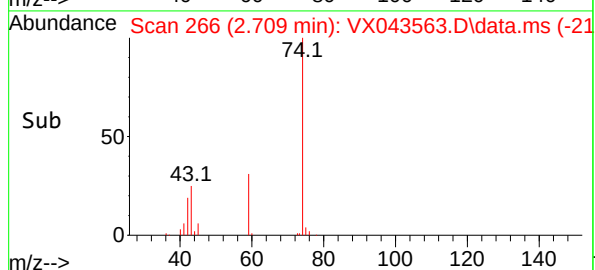
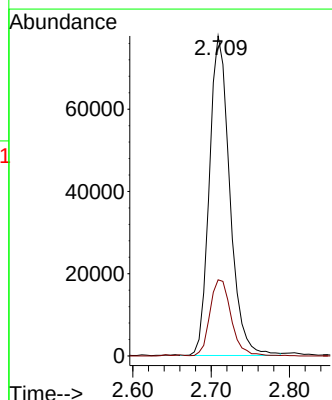
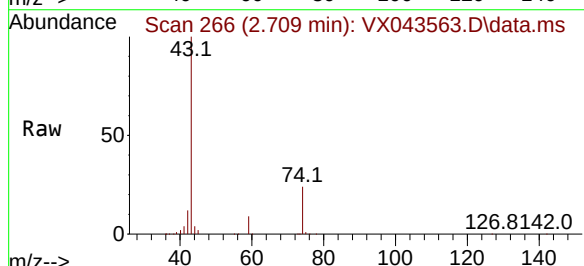
Acq: 28 Oct 2024 14:27

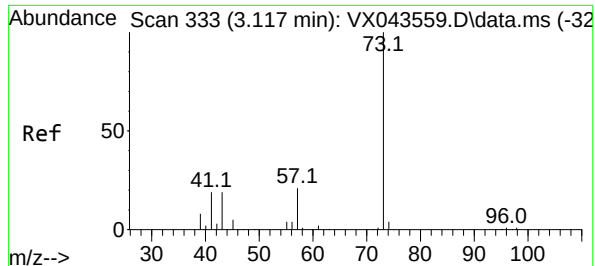
Tgt Ion: 43 Resp: 140984

Ion Ratio Lower Upper

43 100

74 24.9 19.1 28.7





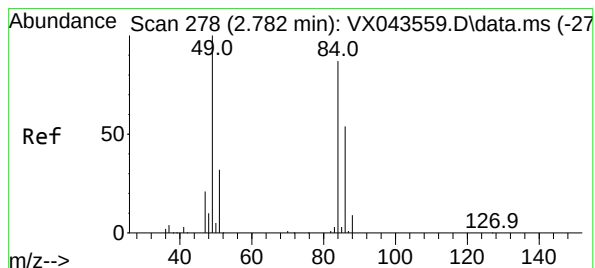
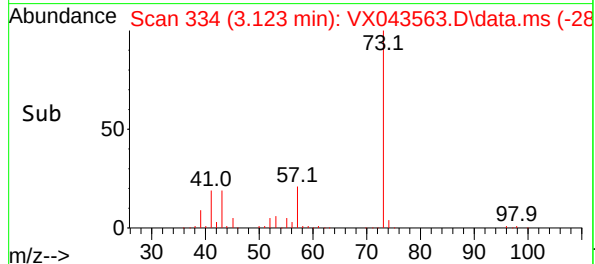
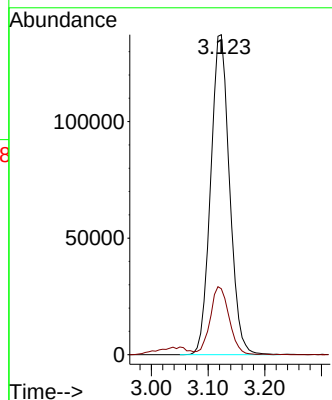
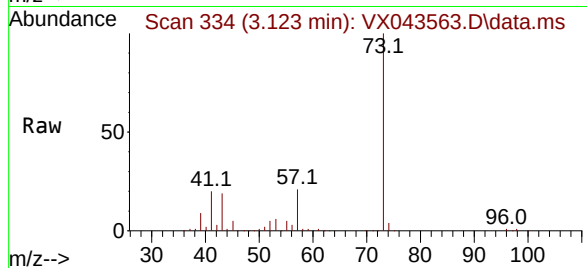
#19
Methyl tert-butyl Ether
Concen: 43.380 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVX102824

Tgt Ion: 73 Resp: 317078
Ion Ratio Lower Upper
73 100
57 20.6 17.7 26.5

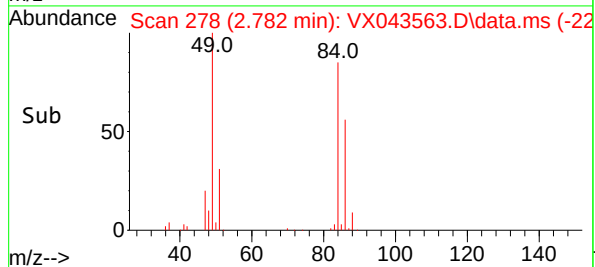
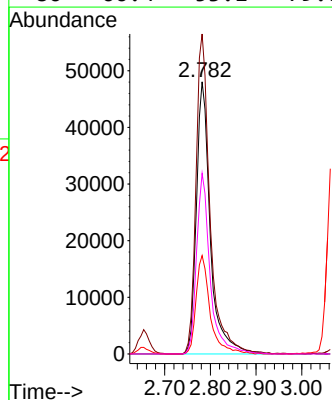
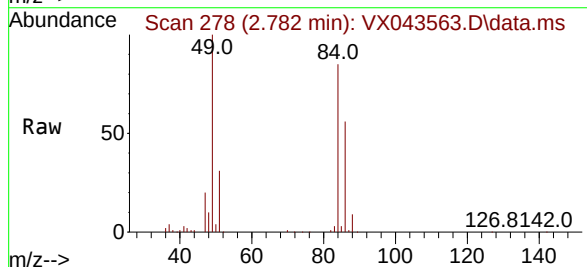
Manual Integrations
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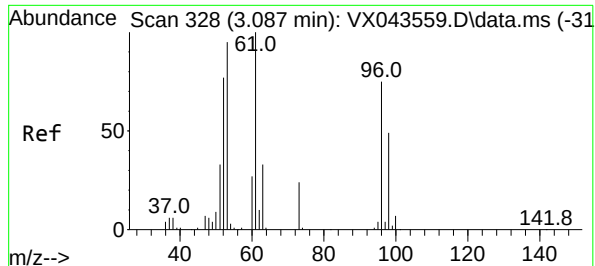
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#20
Methylene Chloride
Concen: 41.513 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

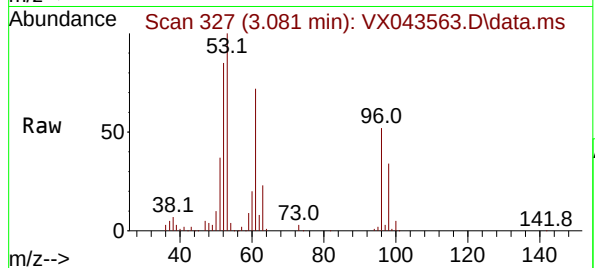
Tgt Ion: 84 Resp: 101646
Ion Ratio Lower Upper
84 100
49 117.6 97.0 145.6
51 36.2 29.8 44.8
86 66.4 53.1 79.7





#21
trans-1,2-Dichloroethene
Concen: 44.148 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

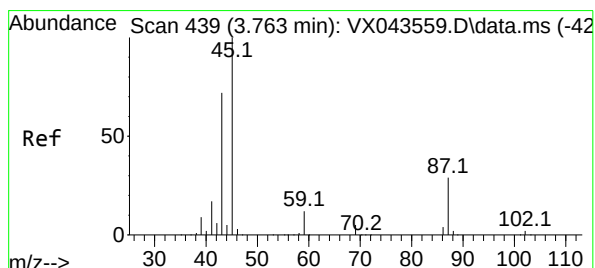
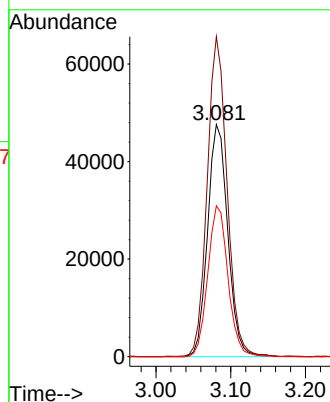
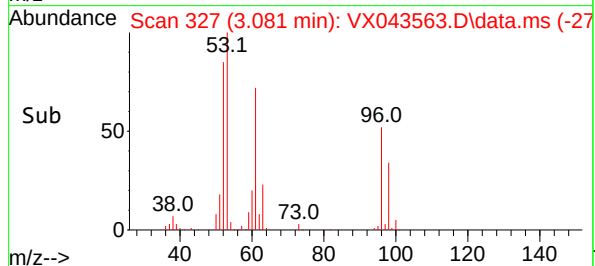
Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824



Tgt Ion: 96 Resp: 8964
Ion Ratio Lower Upper
96 100
61 137.7 107.1 160.7
98 65.0 47.7 71.5

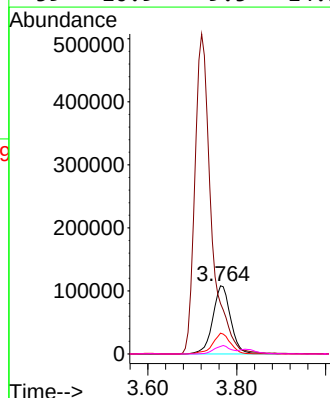
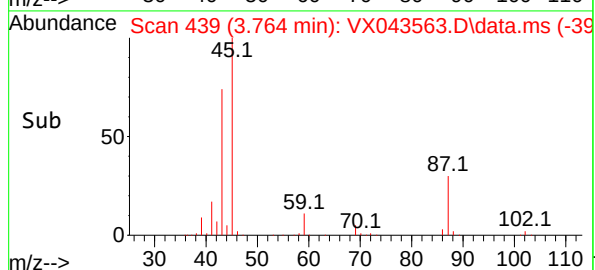
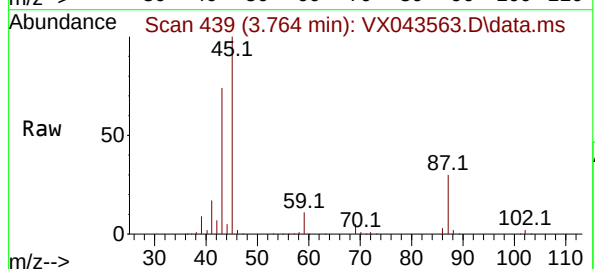
Manual Integrations
APPROVED

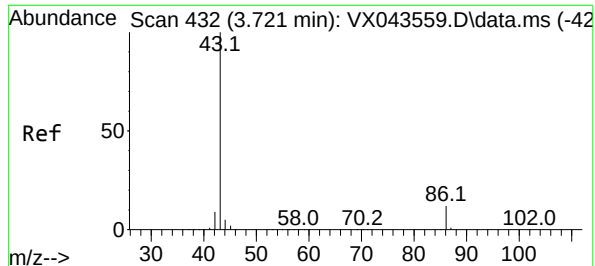
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#22
Diisopropyl ether
Concen: 43.777 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 45 Resp: 300804
Ion Ratio Lower Upper
45 100
43 73.9 60.6 90.8
87 30.4 22.0 33.0
59 10.9 9.5 14.3





#23

Vinyl Acetate

Concen: 229.380 ug/l

RT: 3.721 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 43 Resp: 130211

Ion Ratio Lower Upper

43 100

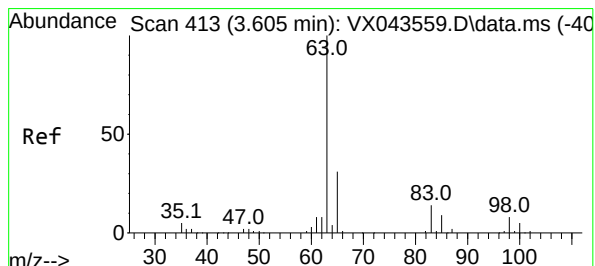
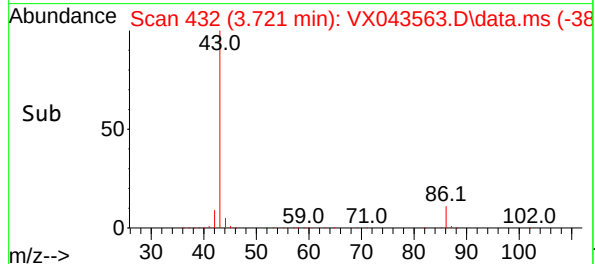
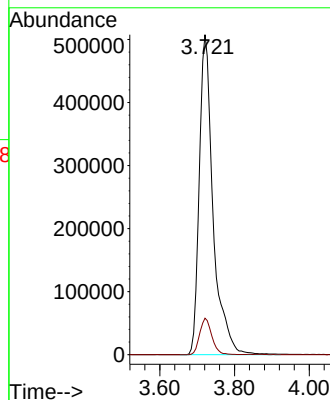
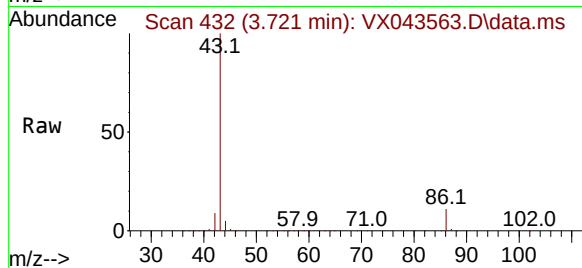
86 11.4 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#24

1,1-Dichloroethane

Concen: 43.633 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

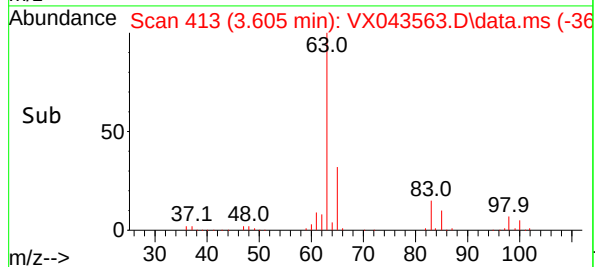
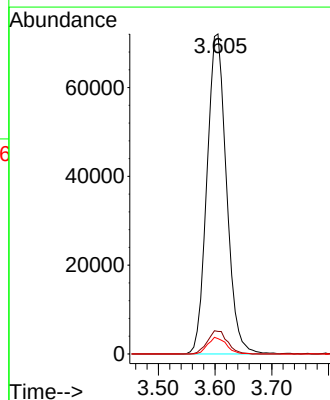
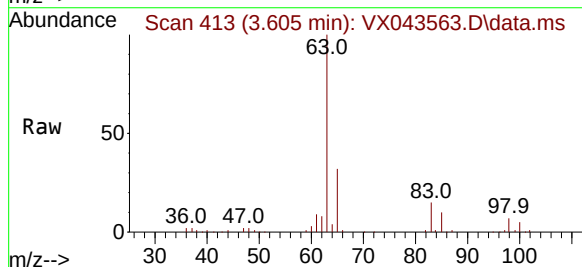
Tgt Ion: 63 Resp: 172319

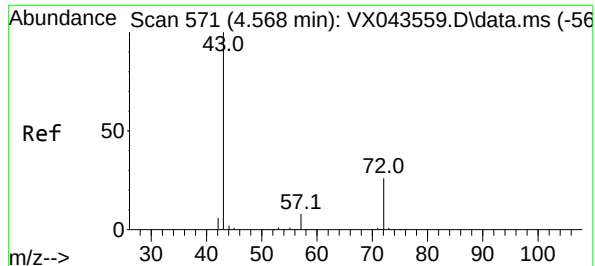
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 222.655 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 43 Resp: 368994

Ion Ratio Lower Upper

43 100

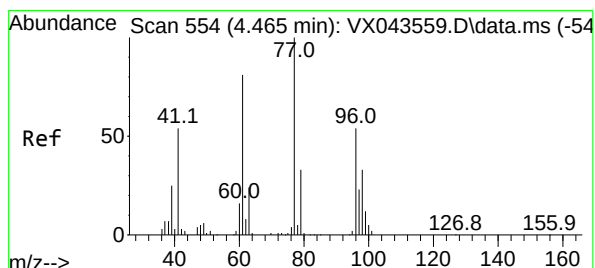
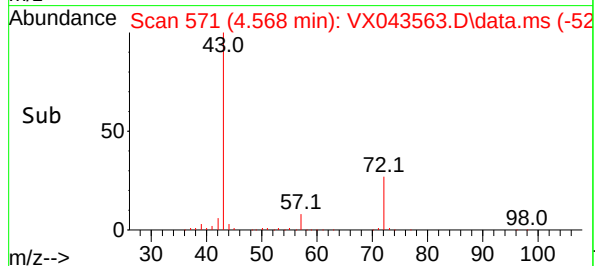
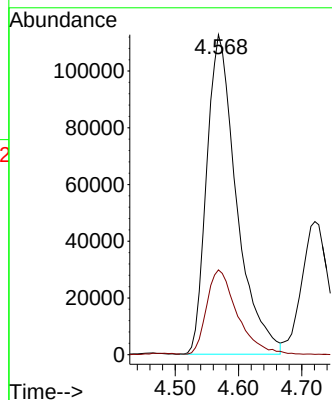
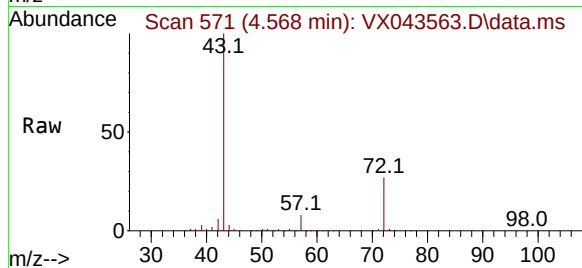
72 26.3 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#26

2,2-Dichloropropane

Concen: 46.075 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX043563.D

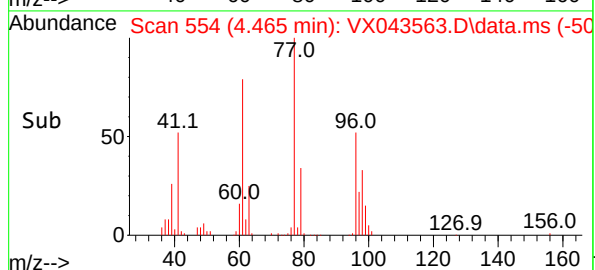
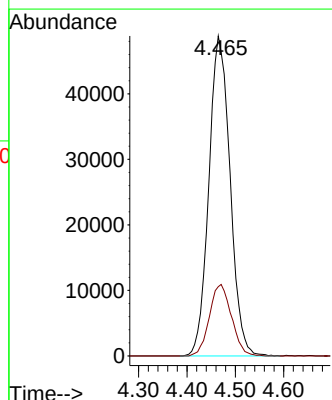
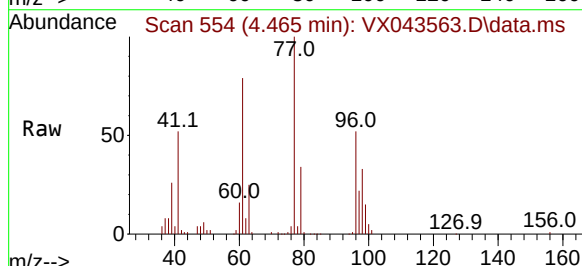
Acq: 28 Oct 2024 14:27

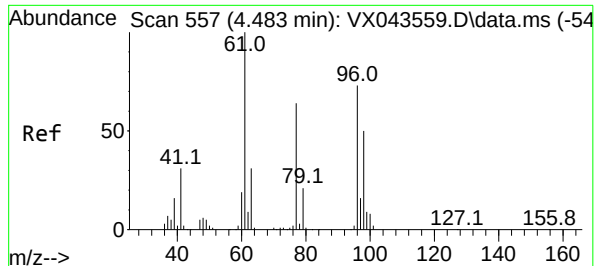
Tgt Ion: 77 Resp: 148949

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 43.635 ug/l

RT: 4.483 min Scan# 511

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 96 Resp: 11318

Ion Ratio Lower Upper

96 100

61 141.6 0.0 277.2

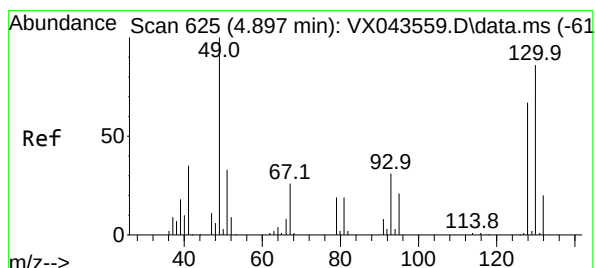
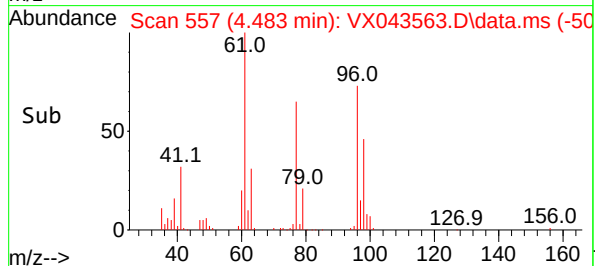
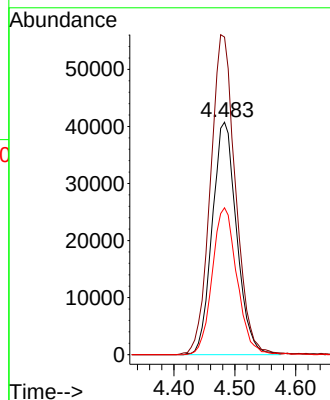
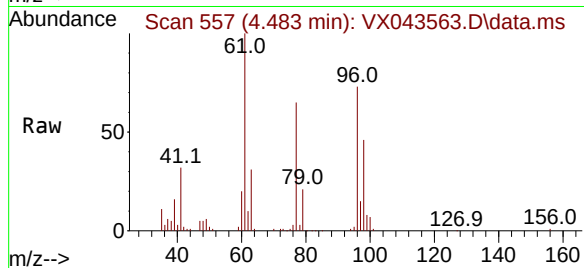
98 64.1 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#28

Bromochloromethane

Concen: 42.606 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

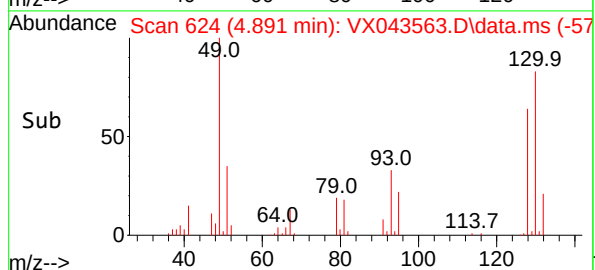
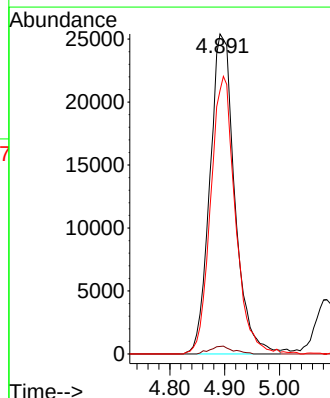
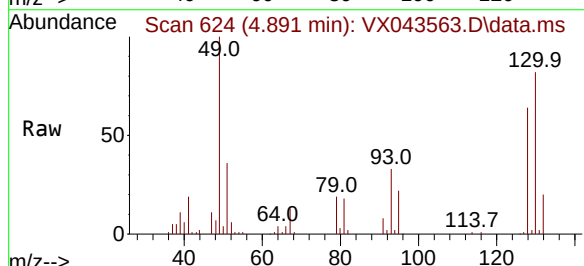
Tgt Ion: 49 Resp: 80045

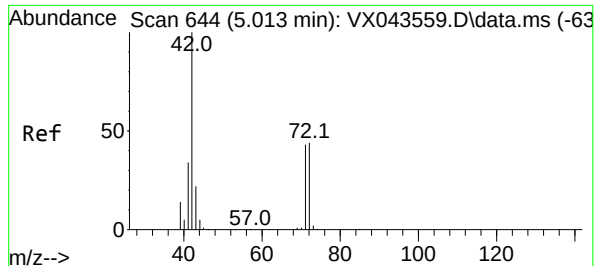
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 86.0 67.8 101.8





#29

Tetrahydrofuran

Concen: 218.299 ug/l

RT: 5.007 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 42 Resp: 23510

Ion Ratio Lower Upper

42 100

72 46.9 36.6 55.0

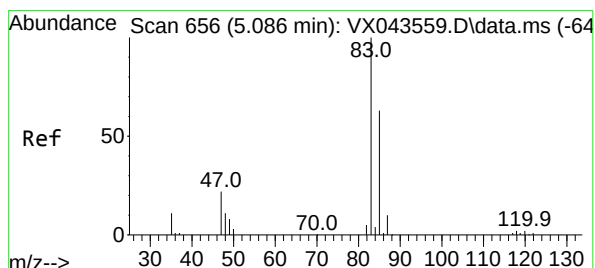
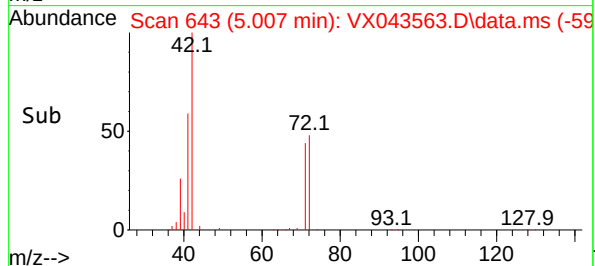
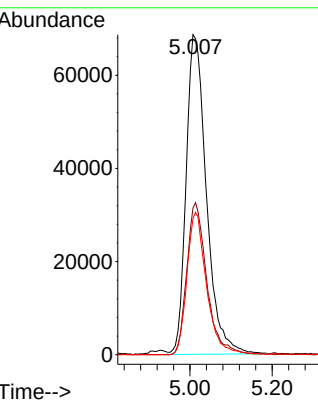
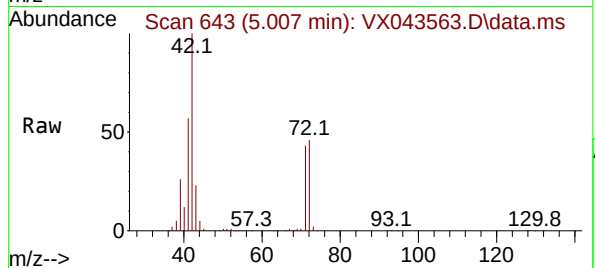
71 43.1 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#30

Chloroform

Concen: 43.621 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX043563.D

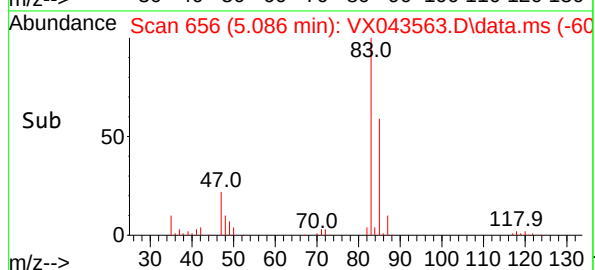
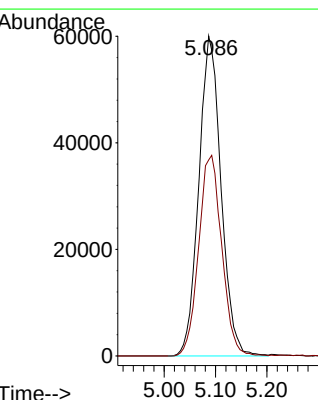
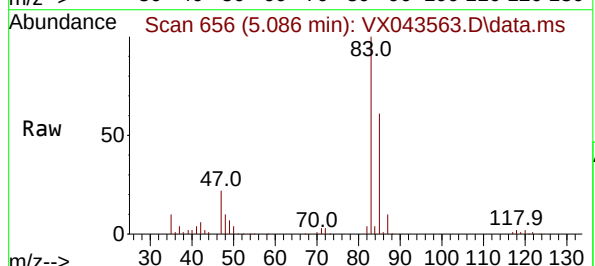
Acq: 28 Oct 2024 14:27

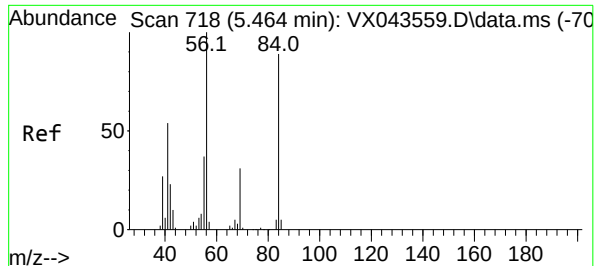
Tgt Ion: 83 Resp: 180585

Ion Ratio Lower Upper

83 100

85 61.3 52.2 78.4





#31

Cyclohexane

Concen: 44.229 ug/l

RT: 5.458 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 56 Resp: 13360

Ion Ratio Lower Upper

56 100

69 33.0 24.9 37.3

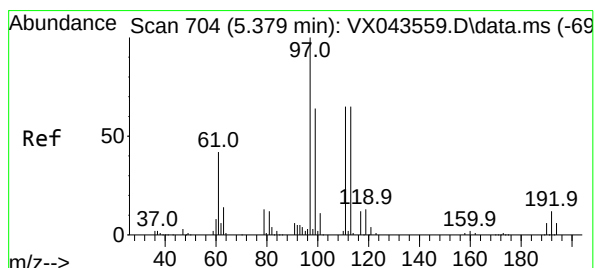
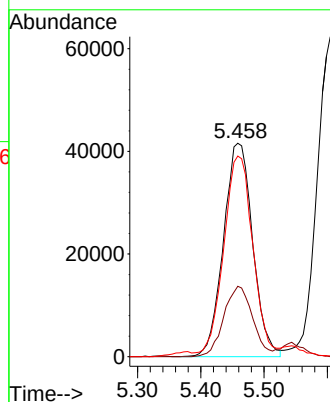
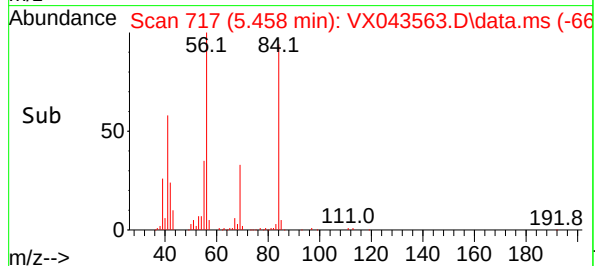
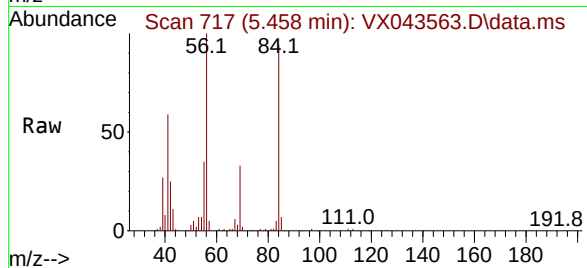
84 92.1 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#32

1,1,1-Trichloroethane

Concen: 45.409 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

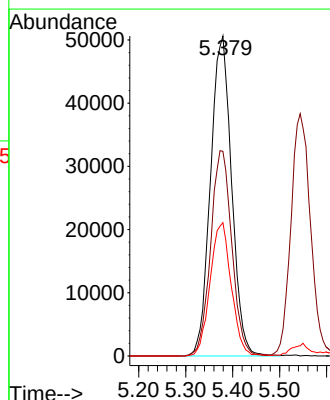
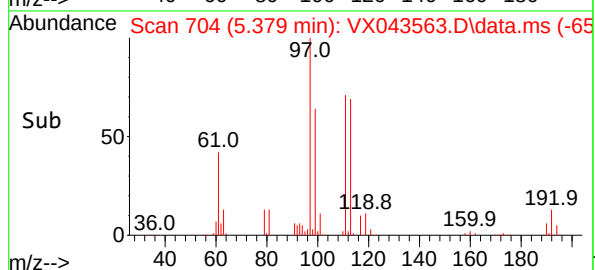
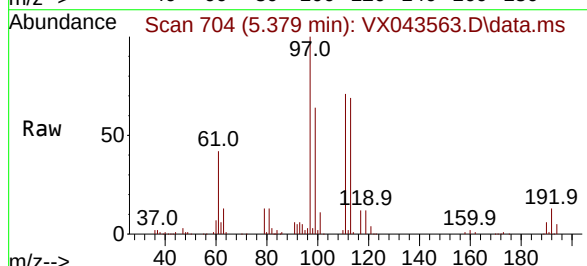
Tgt Ion: 97 Resp: 157829

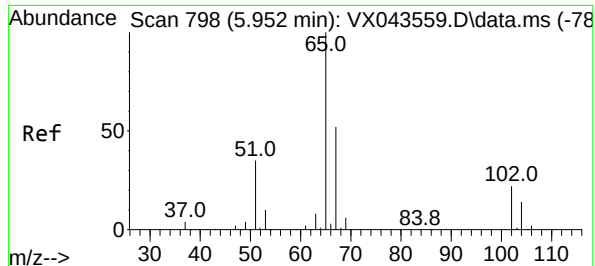
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 41.7 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 45.512 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102824

Tgt Ion: 65 Resp: 13020

Ion Ratio Lower Upper

65 100

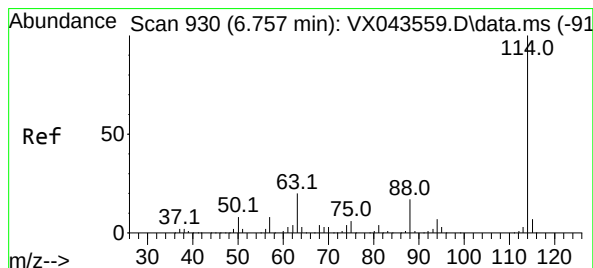
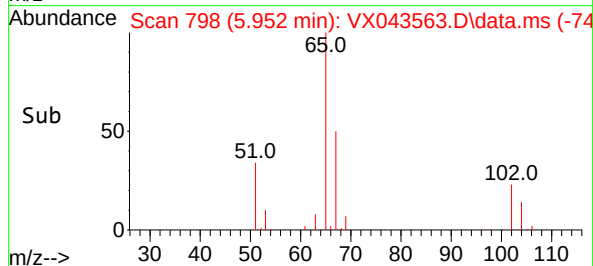
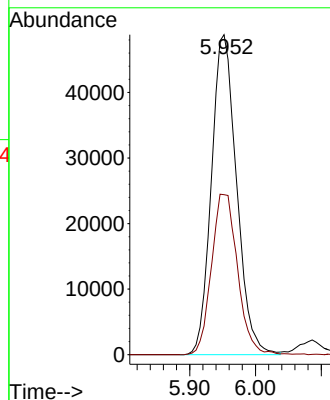
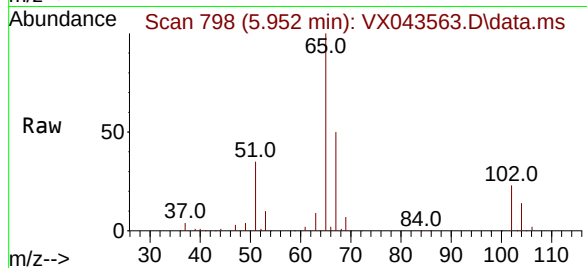
67 51.9 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

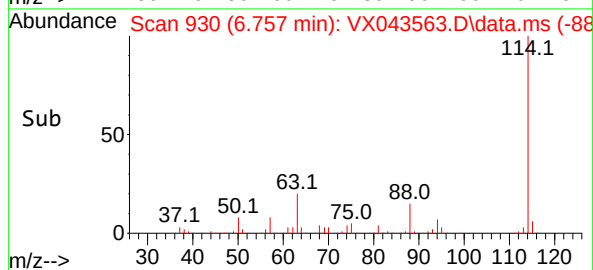
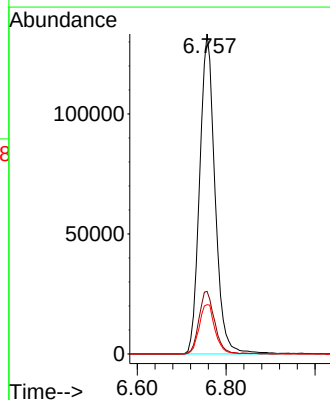
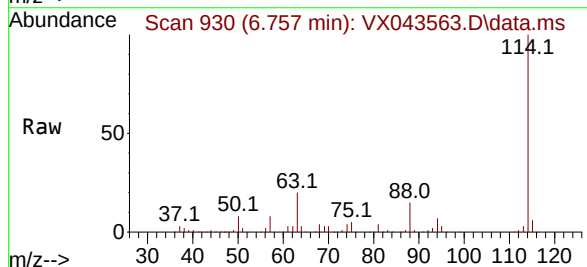
Tgt Ion:114 Resp: 320605

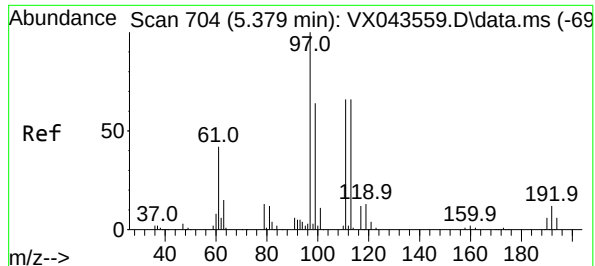
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.2

88 15.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.657 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion:113 Resp: 10360

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

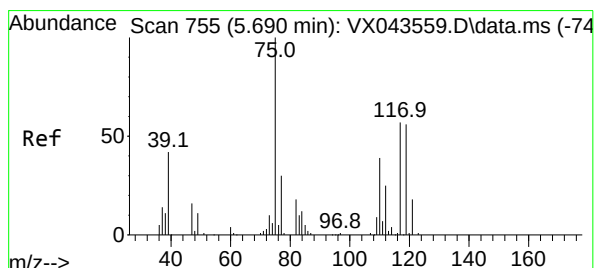
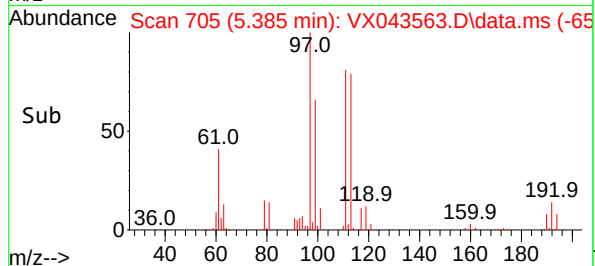
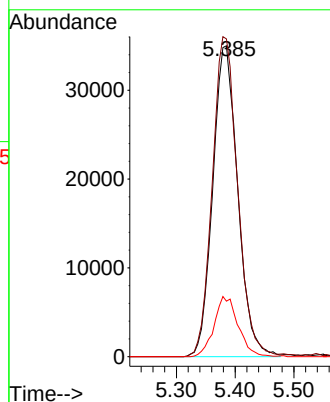
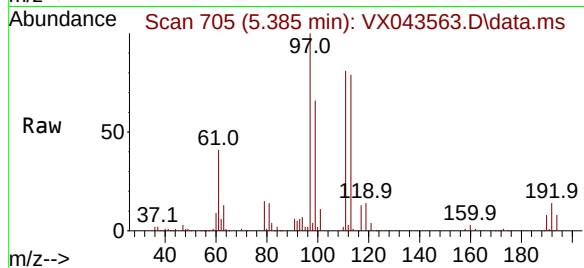
192 18.6 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#36

1,1-Dichloropropene

Concen: 44.924 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

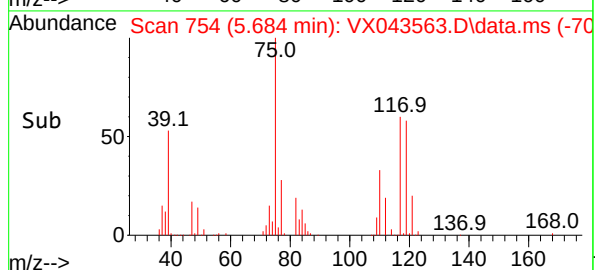
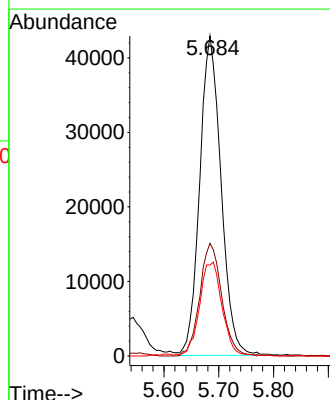
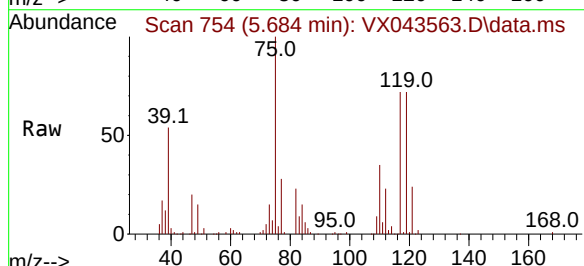
Tgt Ion: 75 Resp: 115808

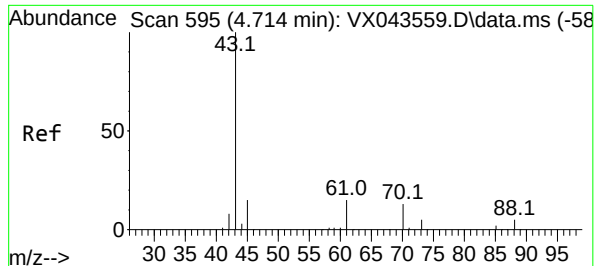
Ion Ratio Lower Upper

75 100

110 36.4 17.9 53.7

77 31.1 25.0 37.4





#37

Ethyl Acetate

Concen: 46.862 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 43 Resp: 146662

Ion Ratio Lower Upper

43 100

61 13.0 11.0 16.6

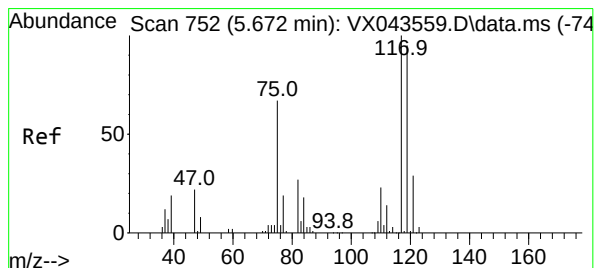
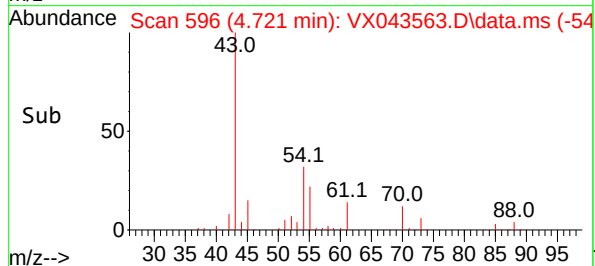
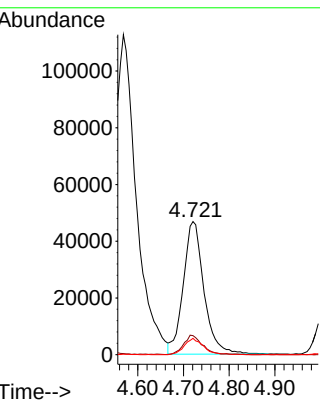
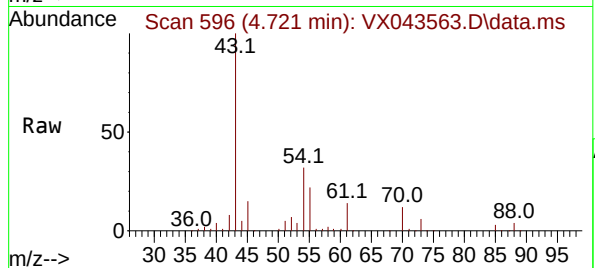
70 11.3 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#38

Carbon Tetrachloride

Concen: 46.088 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

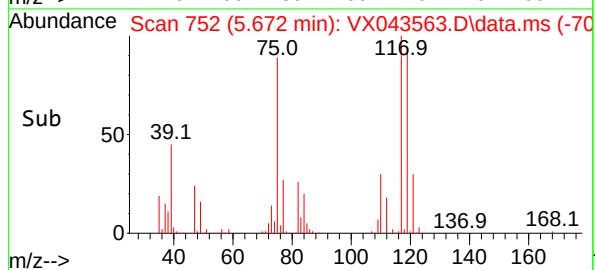
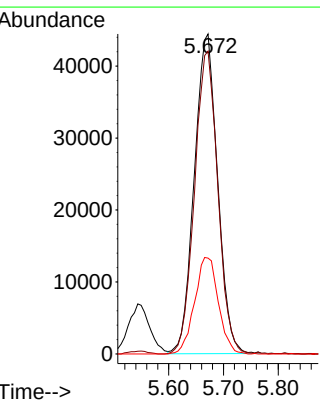
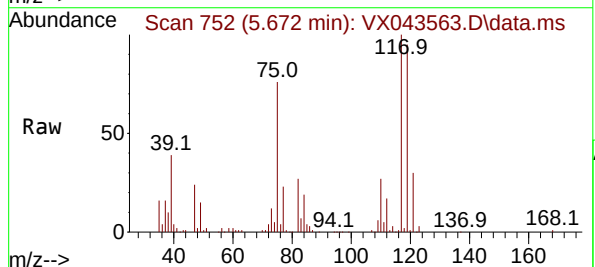
Tgt Ion:117 Resp: 131275

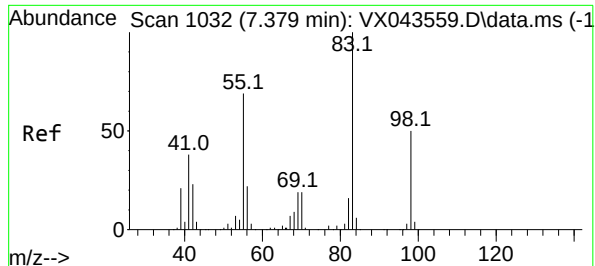
Ion Ratio Lower Upper

117 100

119 94.8 77.0 115.6

121 30.0 24.7 37.1





#39

Methylcyclohexane

Concen: 45.618 ug/l

RT: 7.373 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 83 Resp: 146000

Ion Ratio Lower Upper

83 100

55 72.6 59.9 89.9

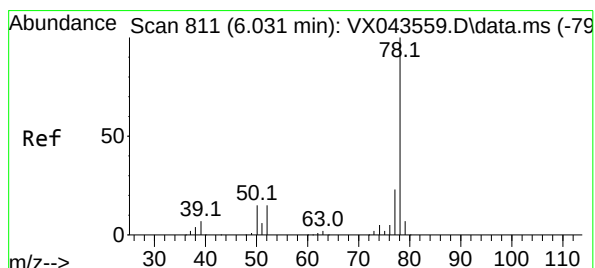
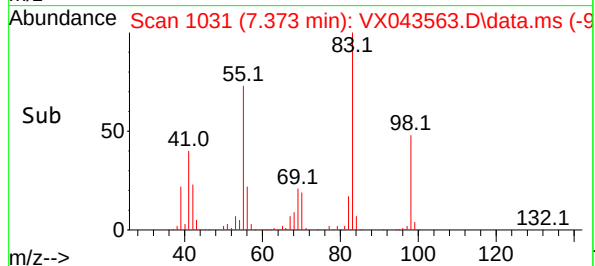
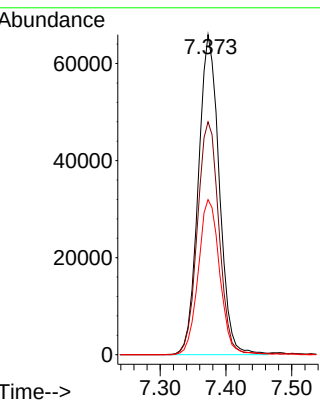
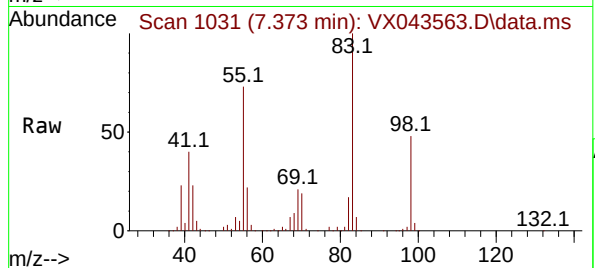
98 48.5 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#40

Benzene

Concen: 44.132 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043563.D

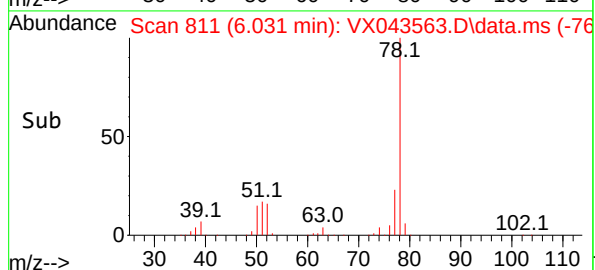
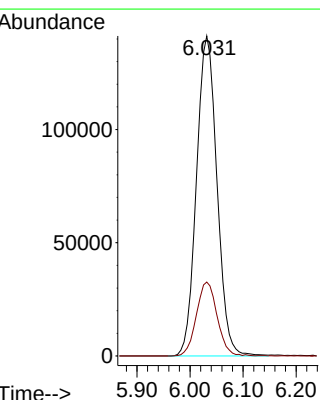
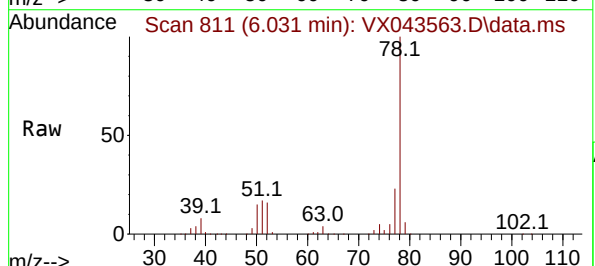
Acq: 28 Oct 2024 14:27

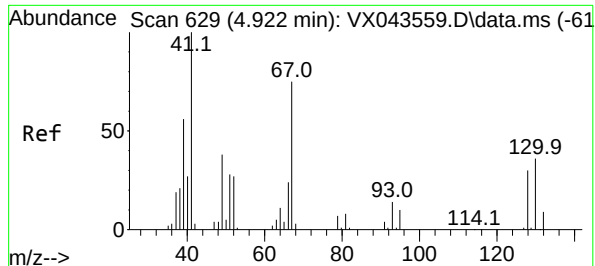
Tgt Ion: 78 Resp: 379529

Ion Ratio Lower Upper

78 100

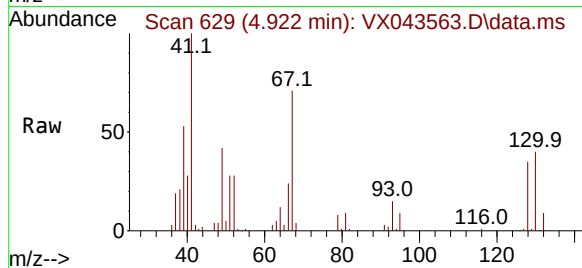
77 23.1 18.4 27.6





#41
Methacrylonitrile
Concen: 44.704 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

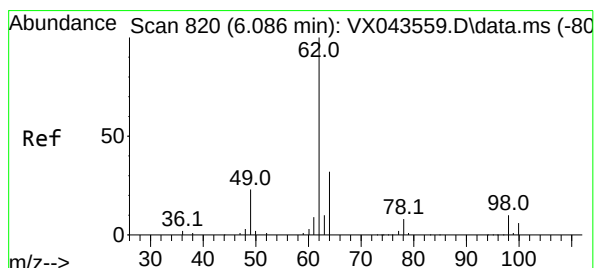
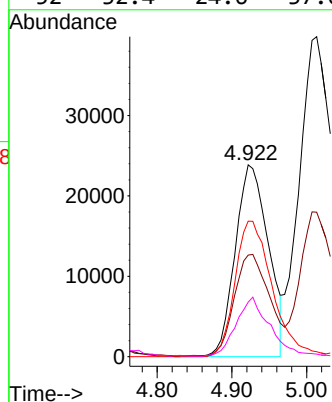
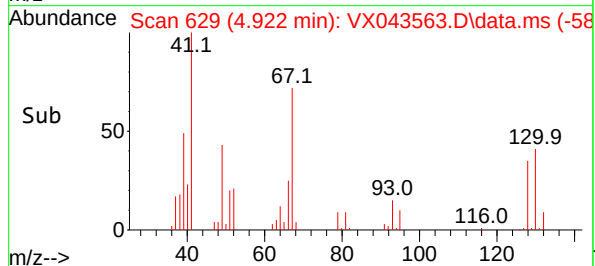
Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824



Tgt Ion: 41 Resp: 73439
Ion Ratio Lower Upper
41 100
39 56.7 43.5 65.3
67 79.9 58.3 87.5
52 32.4 24.6 37.0

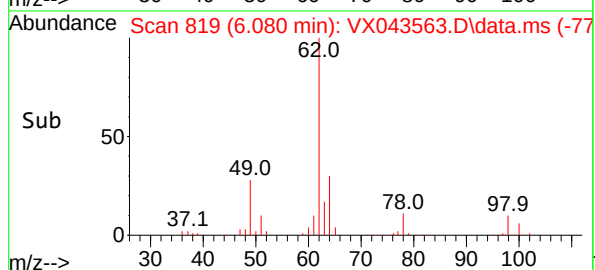
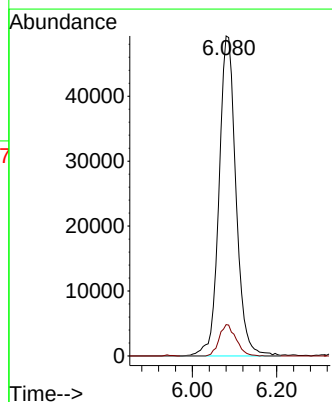
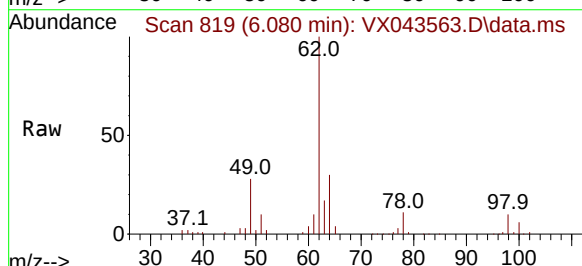
Manual Integrations
APPROVED

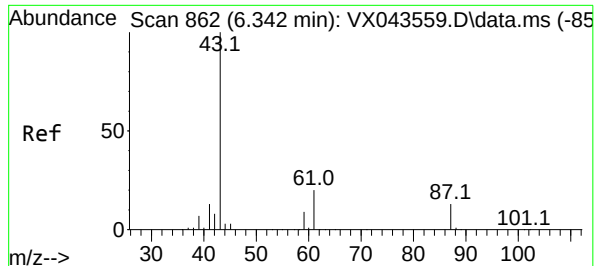
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#42
1,2-Dichloroethane
Concen: 44.475 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 62 Resp: 137504
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.8





#43

Isopropyl Acetate

Concen: 45.049 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX043563.D

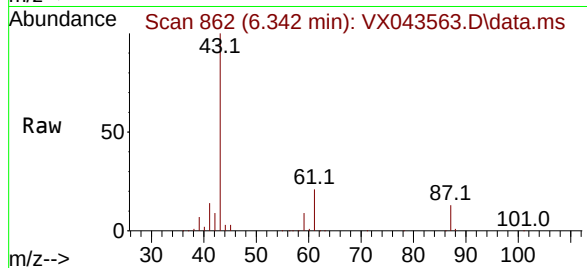
Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

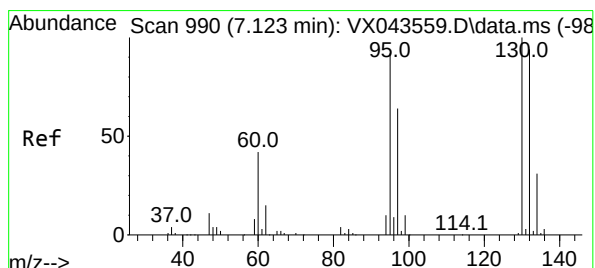
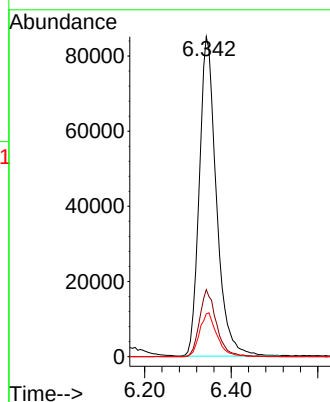
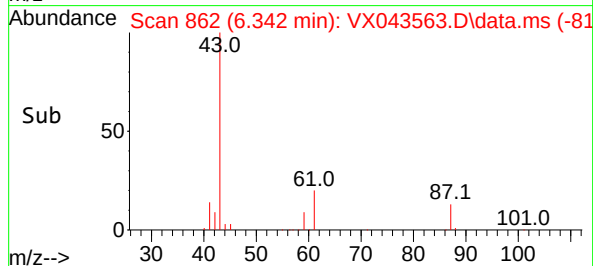
ICVX102824



Tgt Ion: 43	Resp: 233162
Ion Ratio	Lower Upper
43	100
61	20.6 16.2 24.4
87	13.9 11.0 16.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#44

Trichloroethene

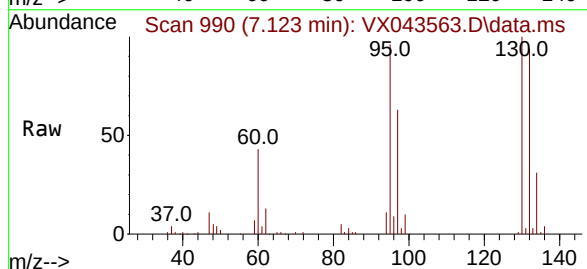
Concen: 44.826 ug/l

RT: 7.123 min Scan# 990

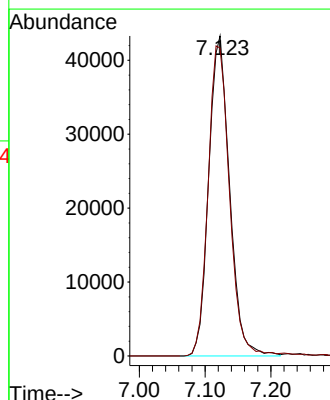
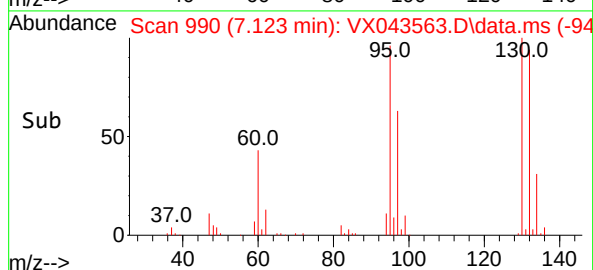
Delta R.T. 0.000 min

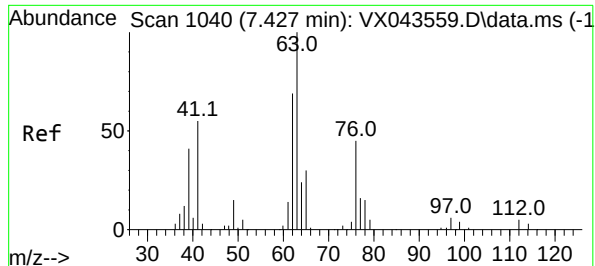
Lab File: VX043563.D

Acq: 28 Oct 2024 14:27



Tgt Ion:130	Resp: 95769
Ion Ratio	Lower Upper
130	100
95	96.2 0.0 202.6





#45

1,2-Dichloropropane

Concen: 44.772 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 63 Resp: 9480

Ion Ratio Lower Upper

63 100

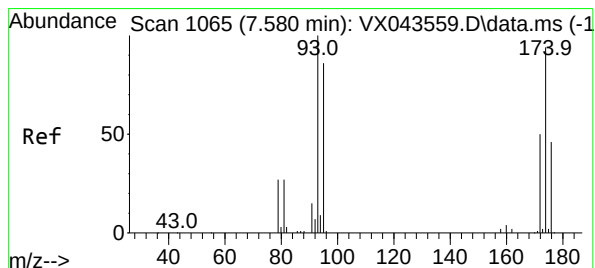
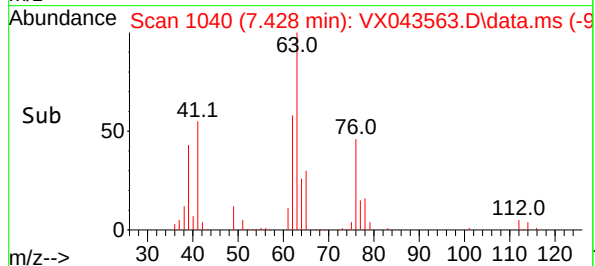
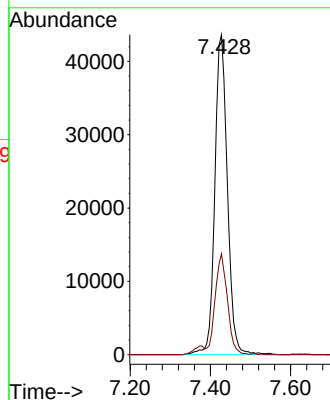
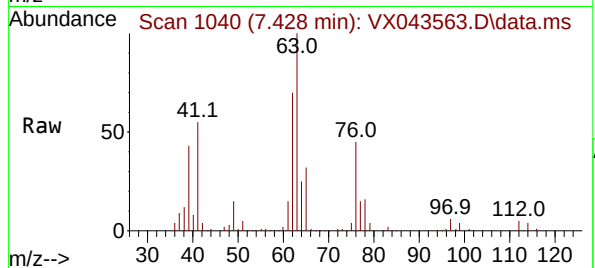
65 31.5 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#46

Dibromomethane

Concen: 43.863 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

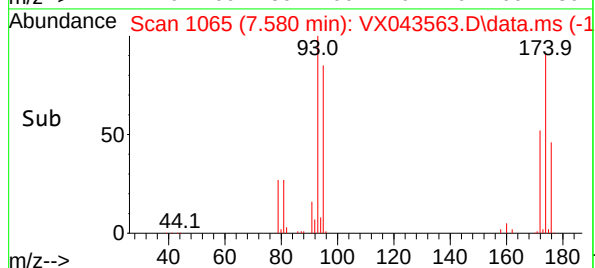
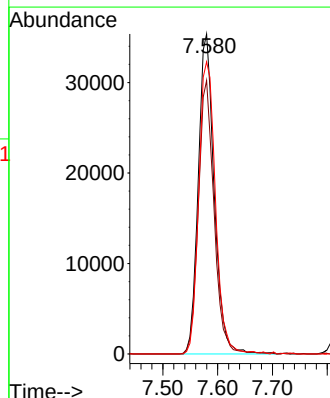
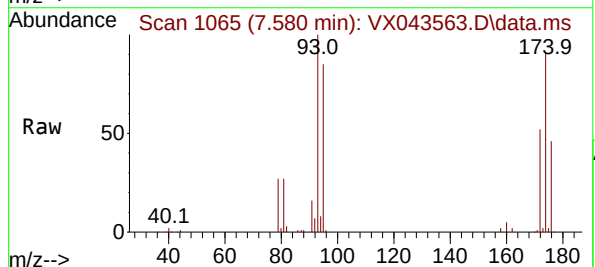
Tgt Ion: 93 Resp: 71516

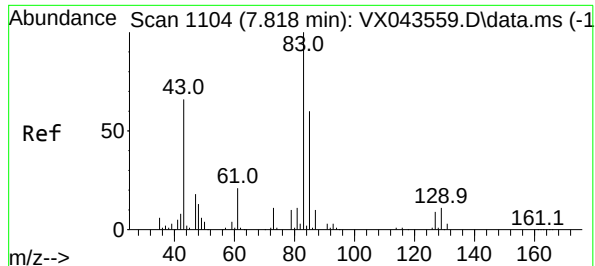
Ion Ratio Lower Upper

93 100

95 84.1 66.4 99.6

174 95.8 75.0 112.4





#47

Bromodichloromethane

Concen: 47.134 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

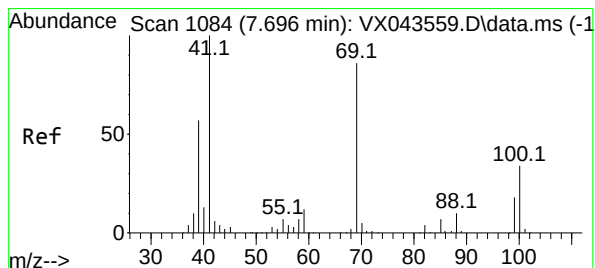
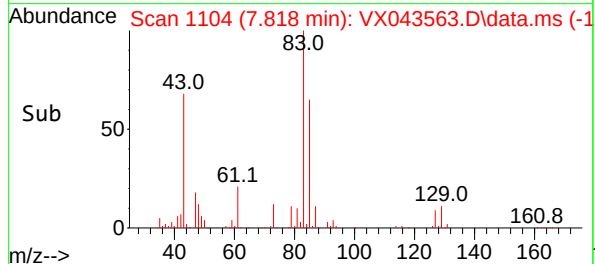
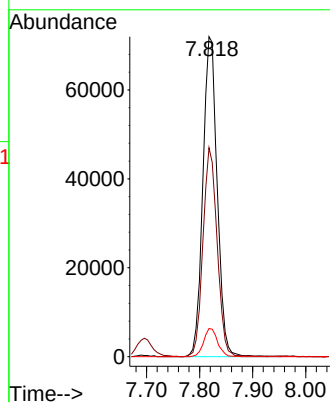
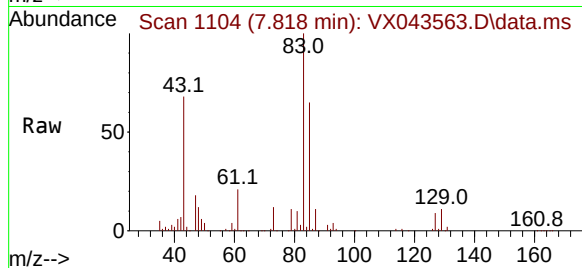
ICVVX102824

Tgt Ion: 83	Resp: 134810
Ion Ratio	Lower Upper
83 100	
85 65.3	52.2 78.4
127 8.8	7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#48

Methyl methacrylate

Concen: 46.235 ug/l

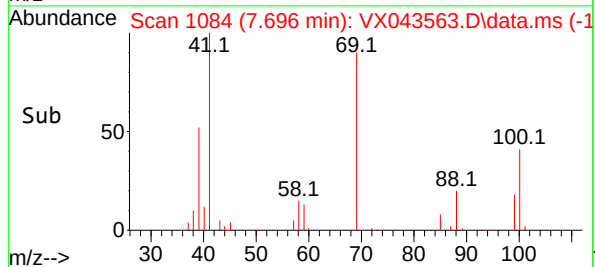
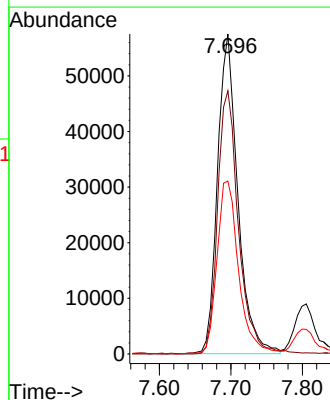
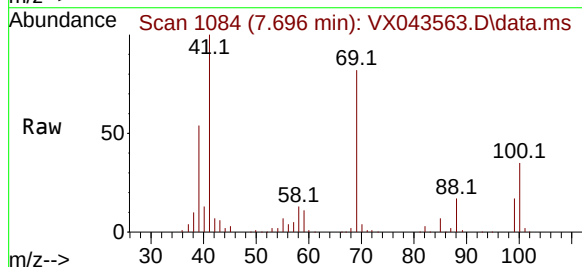
RT: 7.696 min Scan# 1084

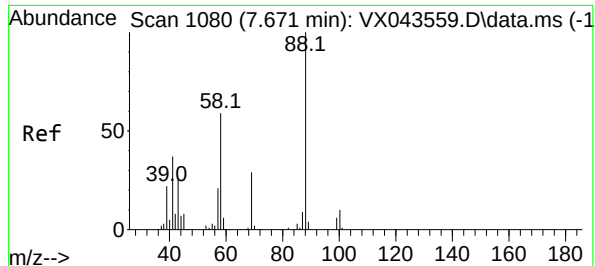
Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Tgt Ion: 41	Resp: 113455
Ion Ratio	Lower Upper
41 100	
69 84.8	67.7 101.5
39 57.6	46.3 69.5





#49

1,4-Dioxane

Concen: 1047.352 ug/l

RT: 7.677 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

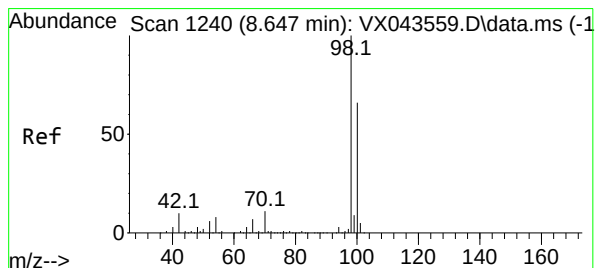
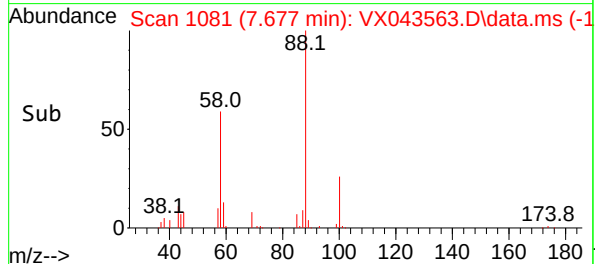
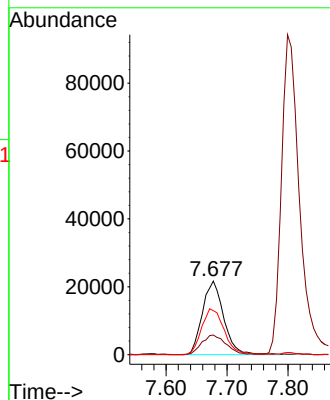
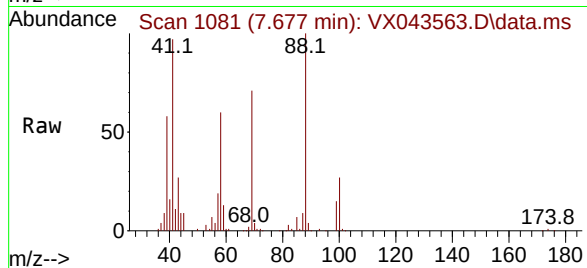
ICVX102824

Tgt Ion:	88	Resp:	5280
Ion	Ratio	Lower	Upper
88	100		
43	30.0	25.3	37.9
58	66.0	53.9	80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#50

Toluene-d8

Concen: 48.461 ug/l

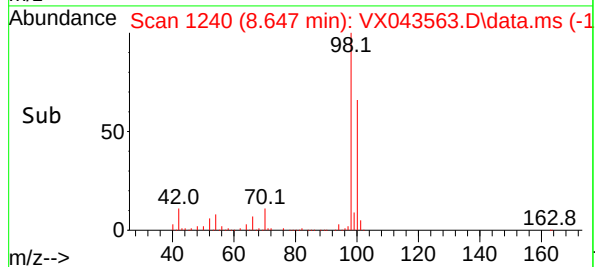
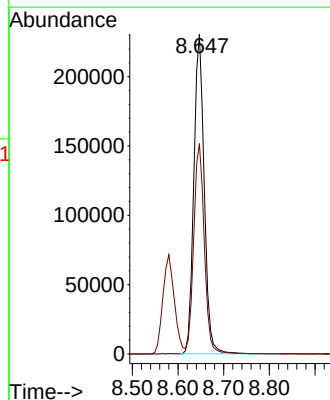
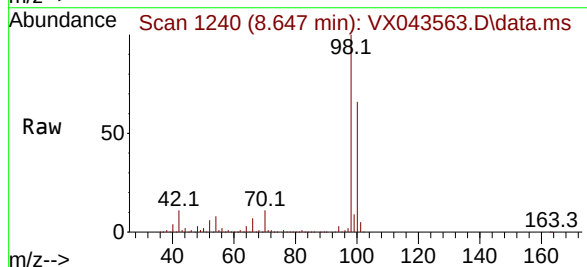
RT: 8.647 min Scan# 1240

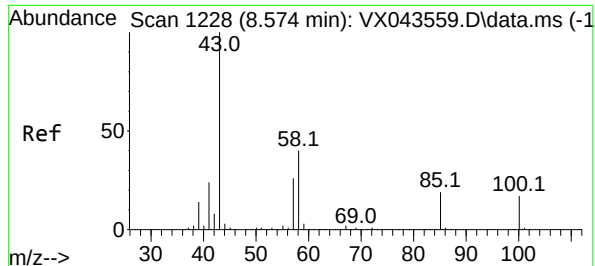
Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Tgt Ion:	98	Resp:	364696
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2





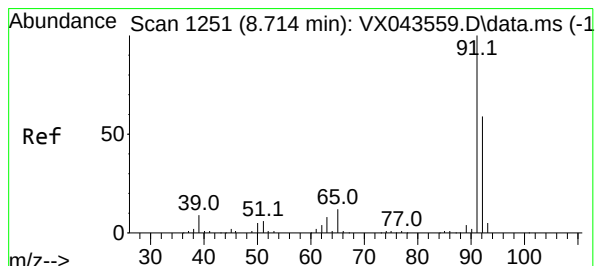
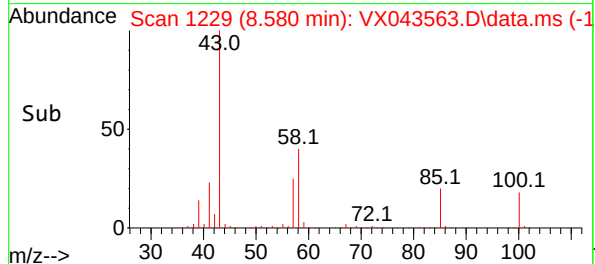
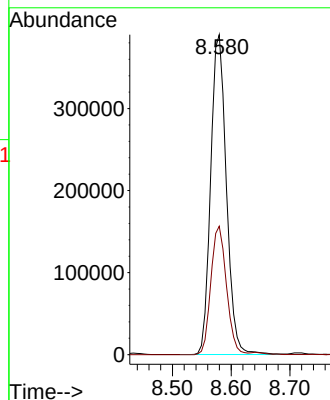
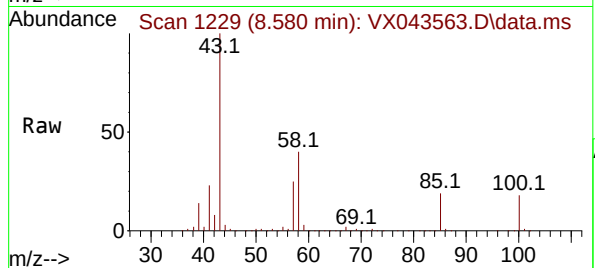
#51
4-Methyl-2-Pentanone
Concen: 229.383 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 43 Resp: 723604
Ion Ratio Lower Upper
43 100
58 39.9 31.7 47.5

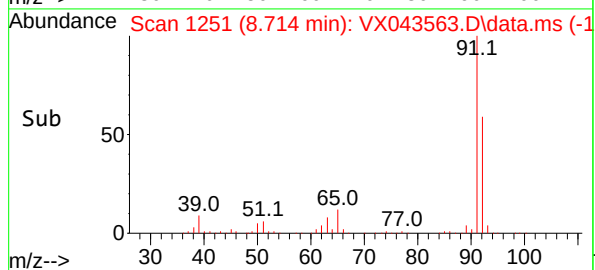
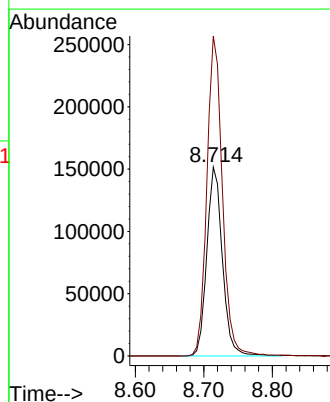
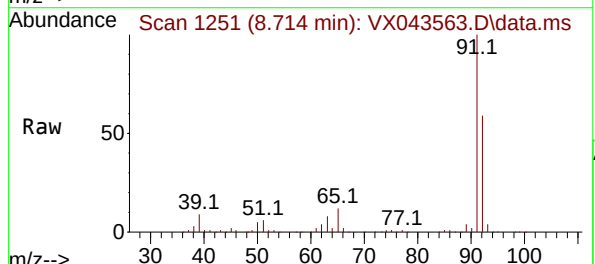
Manual Integrations
APPROVED

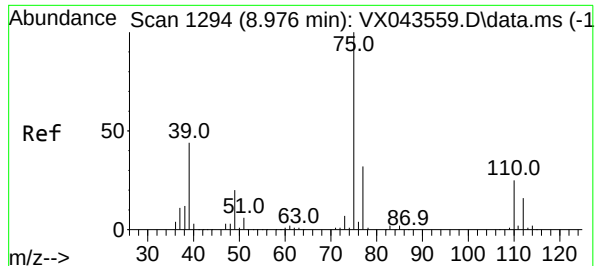
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#52
Toluene
Concen: 46.000 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

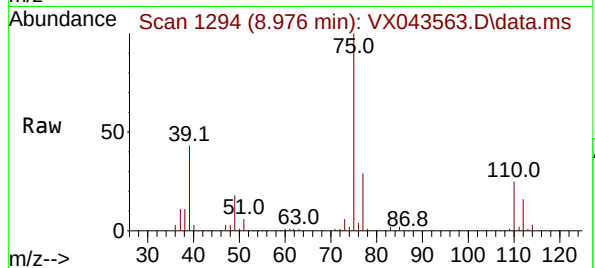
Tgt Ion: 92 Resp: 239913
Ion Ratio Lower Upper
92 100
91 169.0 135.7 203.5





#53
t-1,3-Dichloropropene
Concen: 46.821 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

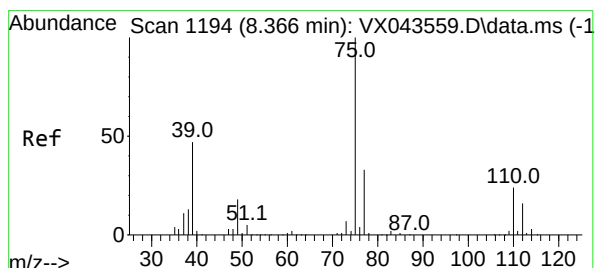
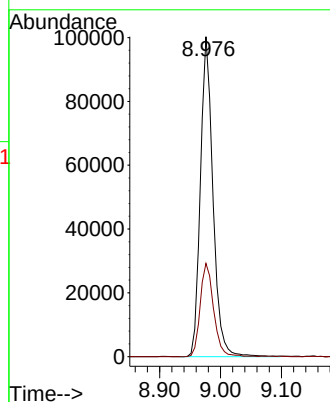
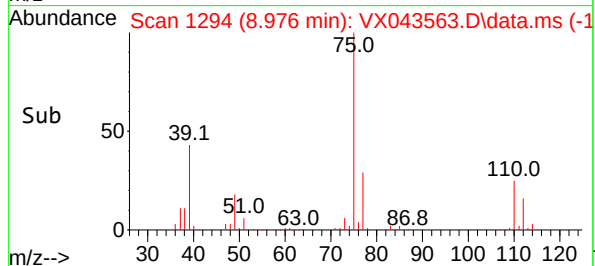
Instrument :
MSVOA_X
Client Sample Id :
ICVVX102824



Tgt Ion: 75 Resp: 143840
Ion Ratio Lower Upper
75 100
77 29.2 26.0 39.0

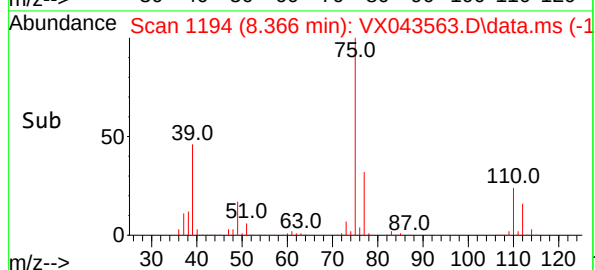
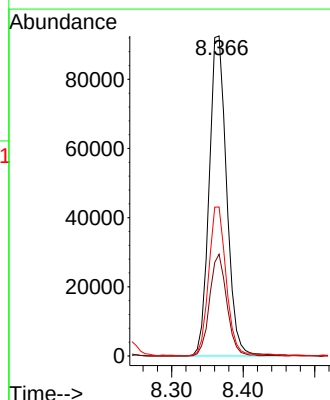
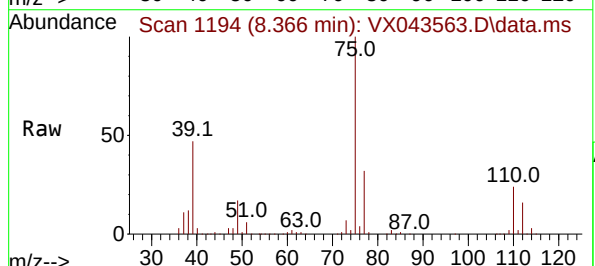
Manual Integrations
APPROVED

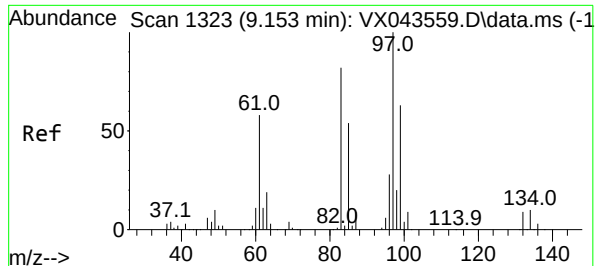
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#54
cis-1,3-Dichloropropene
Concen: 47.945 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 75 Resp: 156936
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2
39 46.4 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 45.125 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 97 Resp: 9796

Ion Ratio Lower Upper

97 100

83 84.8 67.3 100.9

85 55.0 43.6 65.4

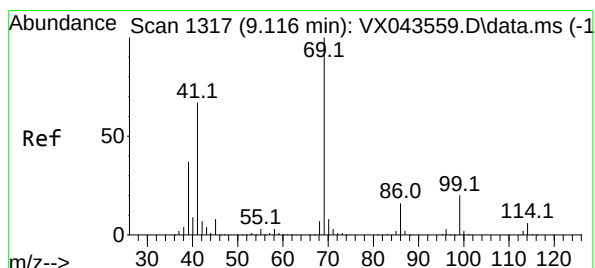
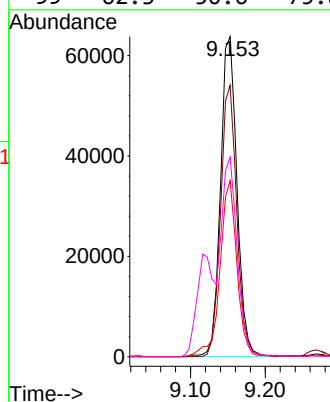
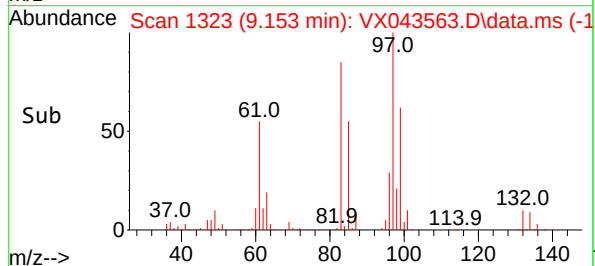
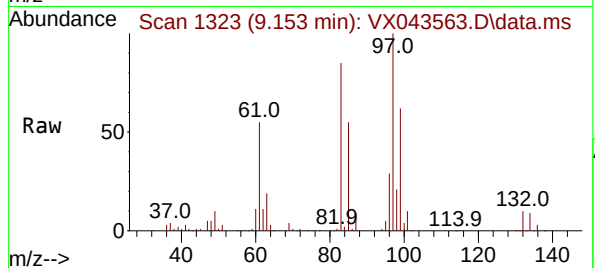
99 62.3 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#56

Ethyl methacrylate

Concen: 45.728 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

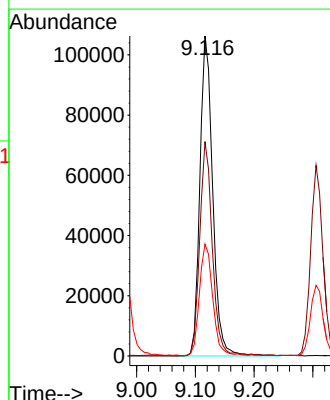
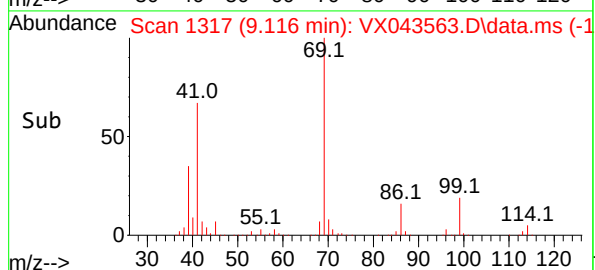
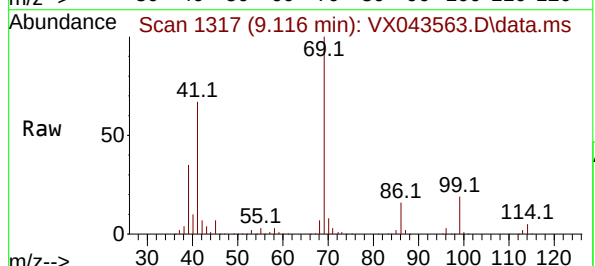
Tgt Ion: 69 Resp: 161309

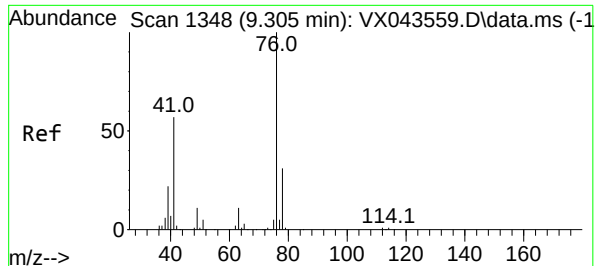
Ion Ratio Lower Upper

69 100

41 65.9 53.8 80.8

39 35.9 29.9 44.9





#57

1,3-Dichloropropane

Concen: 44.279 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 76 Resp: 159880

Ion Ratio Lower Upper

76 100

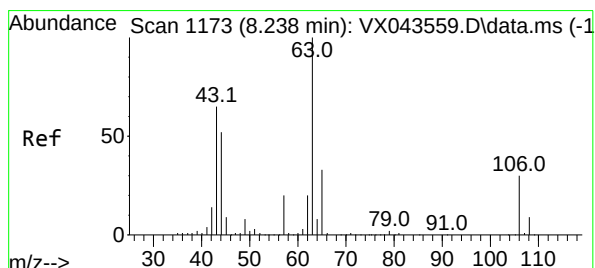
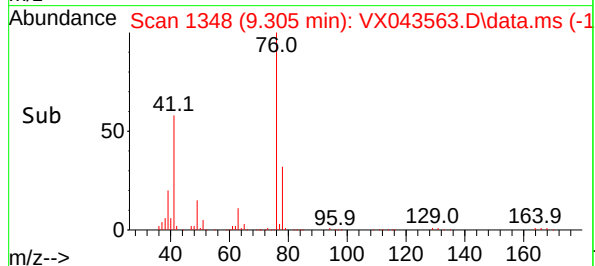
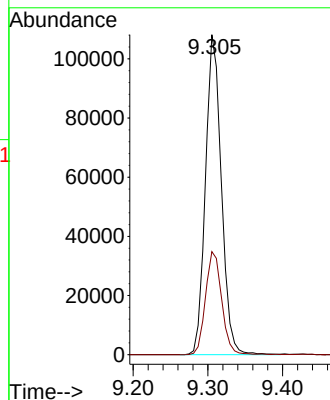
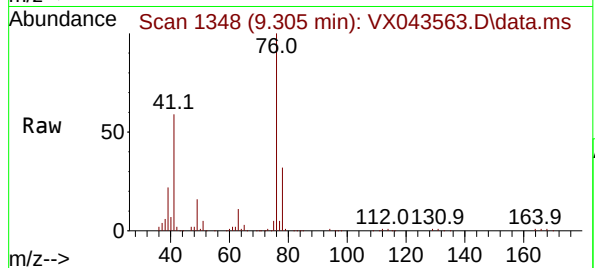
78 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#58

2-Chloroethyl Vinyl ether

Concen: 225.175 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043563.D

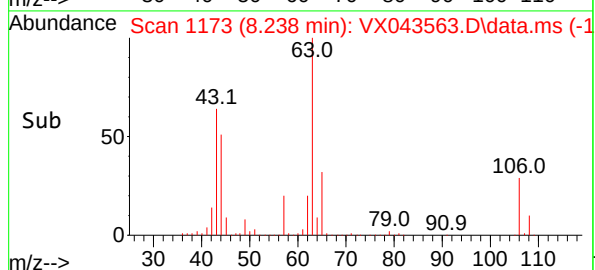
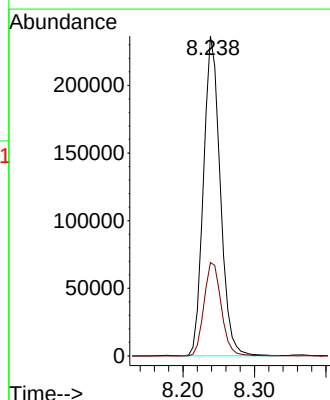
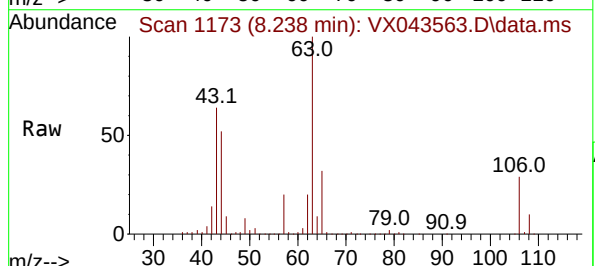
Acq: 28 Oct 2024 14:27

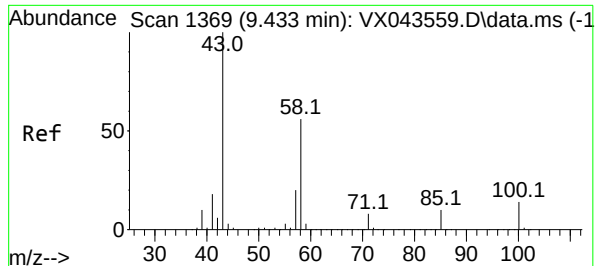
Tgt Ion: 63 Resp: 384698

Ion Ratio Lower Upper

63 100

106 30.3 23.6 35.4





#59

2-Hexanone

Concen: 230.086 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 43 Resp: 551262

Ion Ratio Lower Upper

43 100

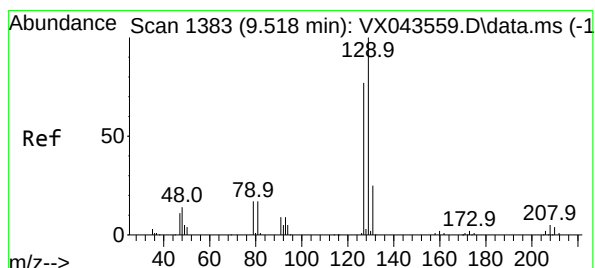
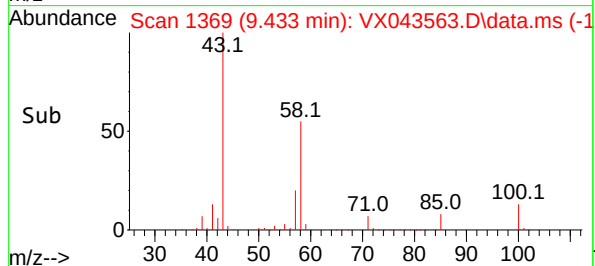
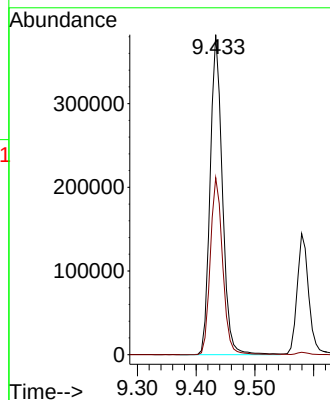
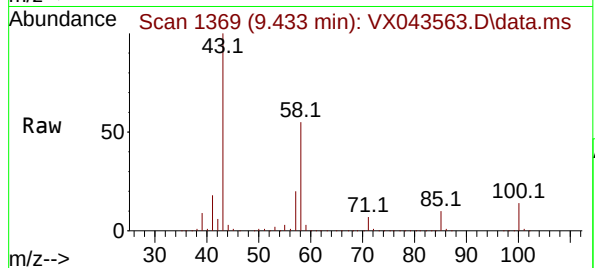
58 55.9 27.5 82.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#60

Dibromochloromethane

Concen: 48.399 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043563.D

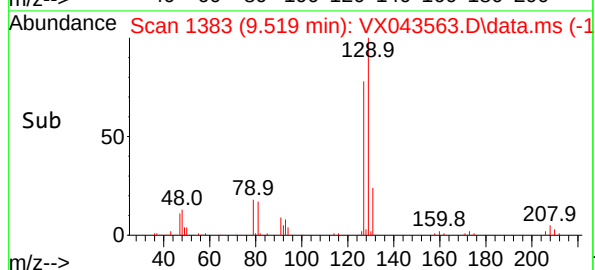
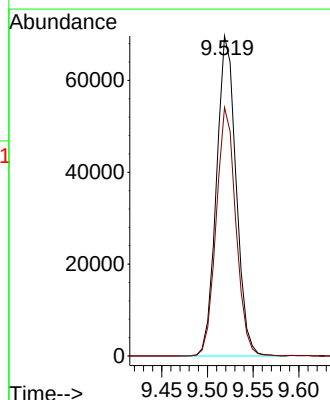
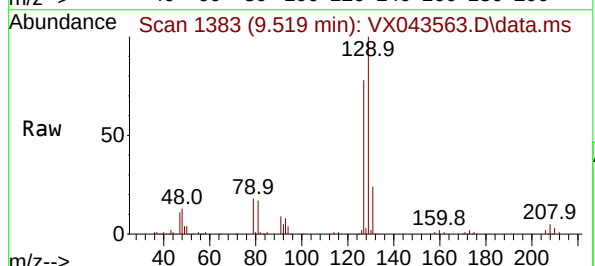
Acq: 28 Oct 2024 14:27

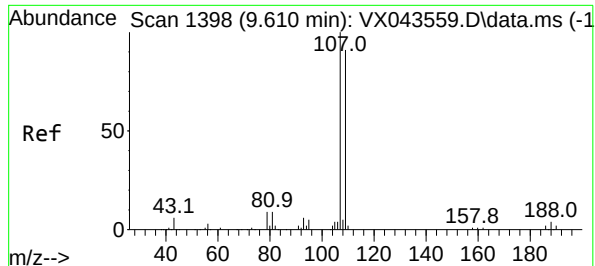
Tgt Ion:129 Resp: 104046

Ion Ratio Lower Upper

129 100

127 77.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 44.841 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion:107 Resp: 10105

Ion Ratio Lower Upper

107 100

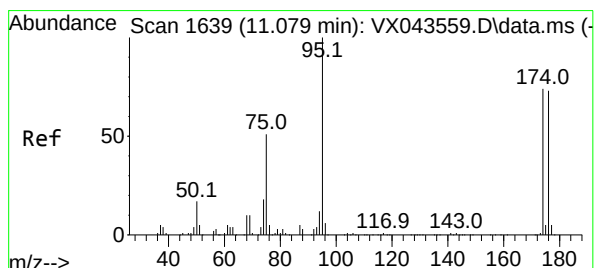
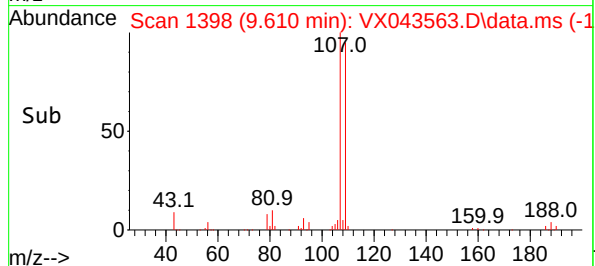
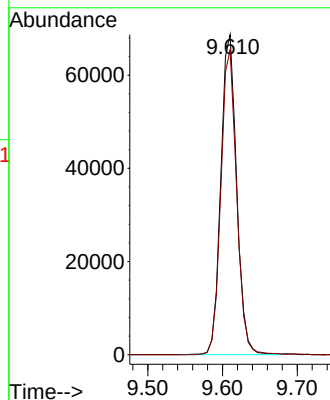
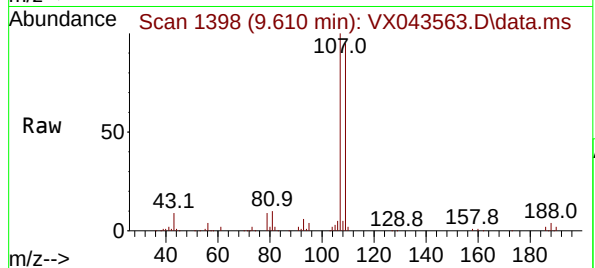
109 95.1 77.1 115.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#62

4-Bromofluorobenzene

Concen: 48.327 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

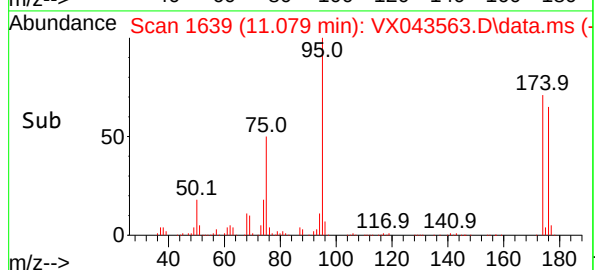
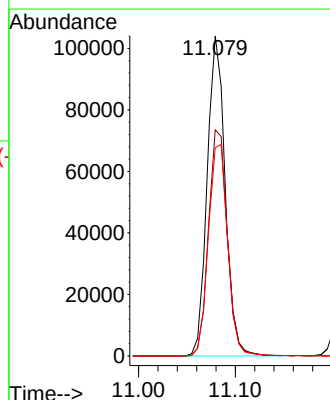
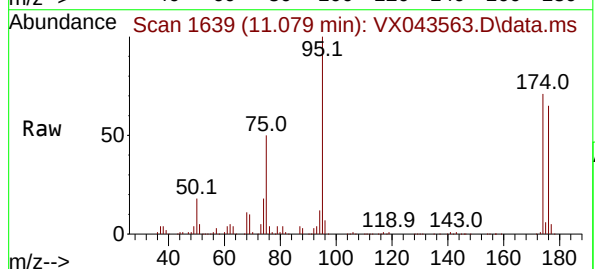
Tgt Ion: 95 Resp: 134767

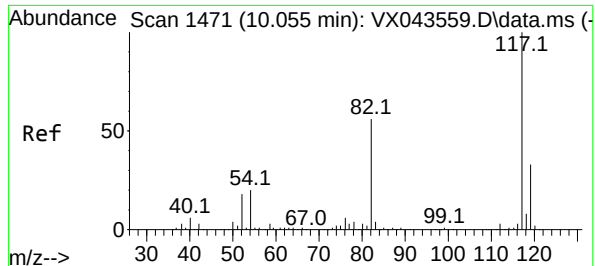
Ion Ratio Lower Upper

95 100

174 74.2 0.0 146.6

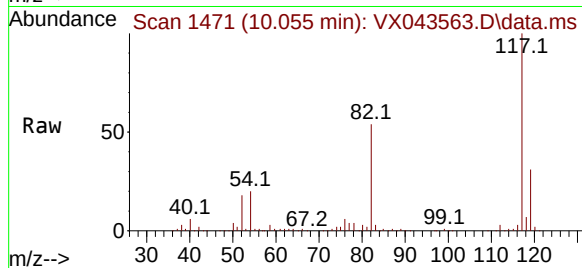
176 70.6 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

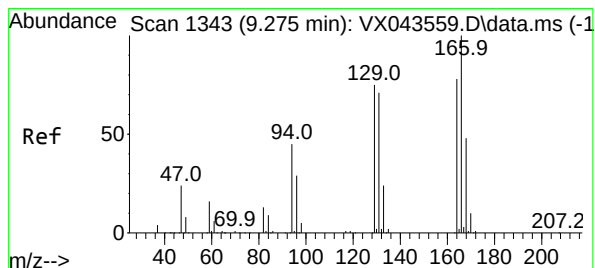
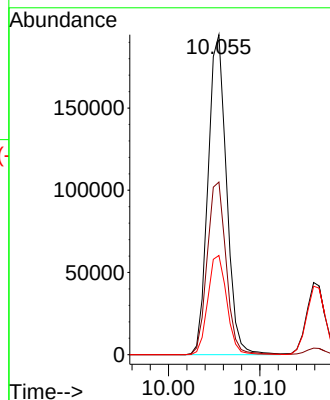
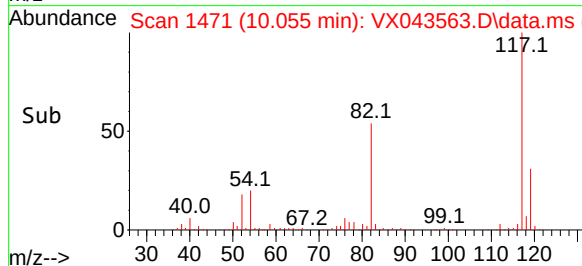
Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824



Tgt Ion:117 Resp: 27328
Ion Ratio Lower Upper
117 100
82 54.0 42.1 63.1
119 31.0 25.4 38.2

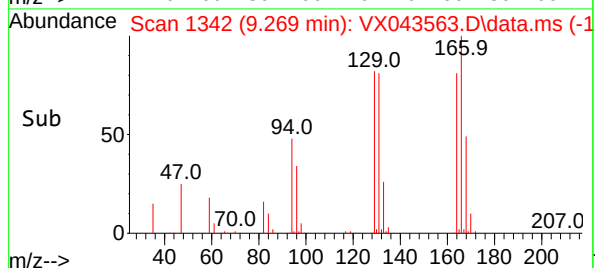
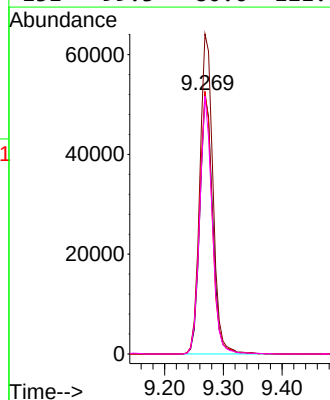
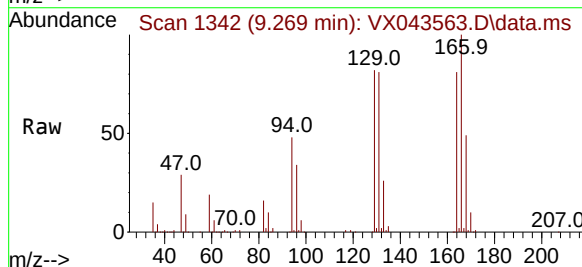
Manual Integrations
APPROVED

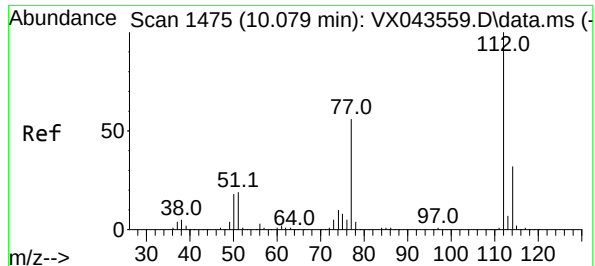
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#64
Tetrachloroethene
Concen: 45.765 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:164 Resp: 78661
Ion Ratio Lower Upper
164 100
166 123.4 103.8 155.6
129 101.2 83.8 125.6
131 99.3 80.6 121.0





#65

Chlorobenzene

Concen: 45.479 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion:112 Resp: 26738

Ion Ratio Lower Upper

112 100

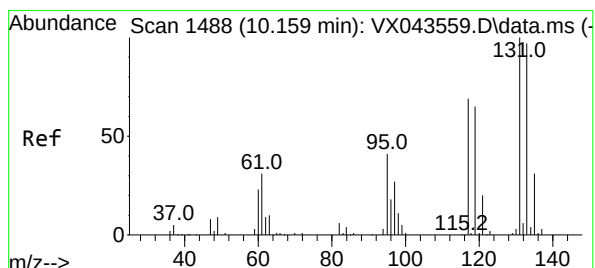
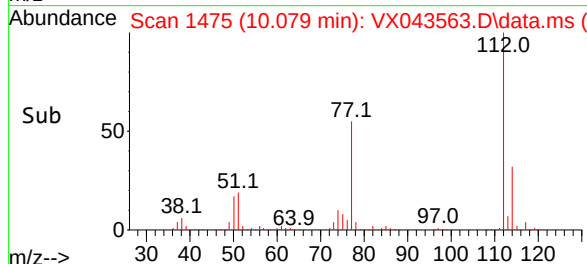
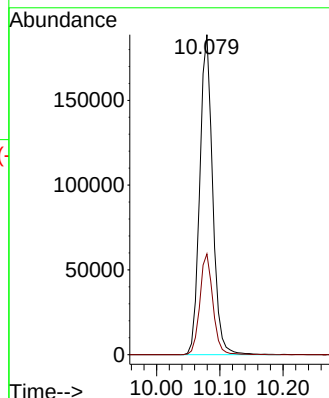
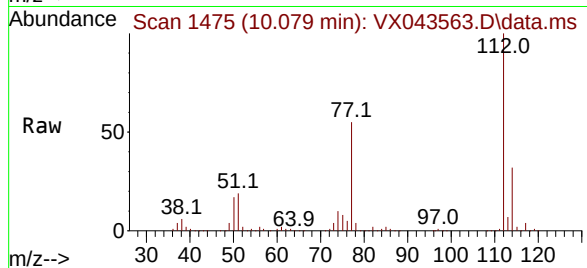
114 31.5 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 48.543 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

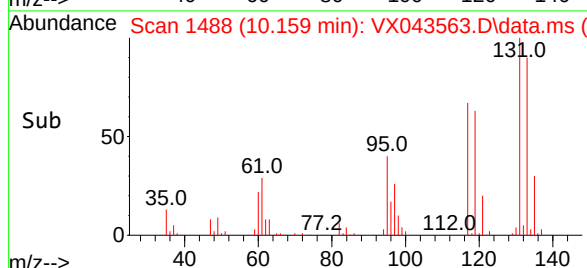
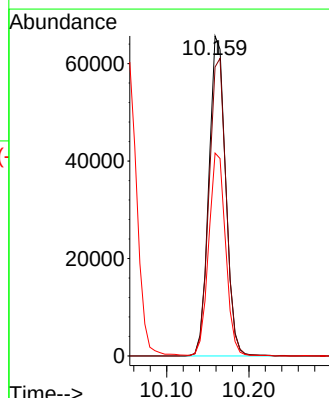
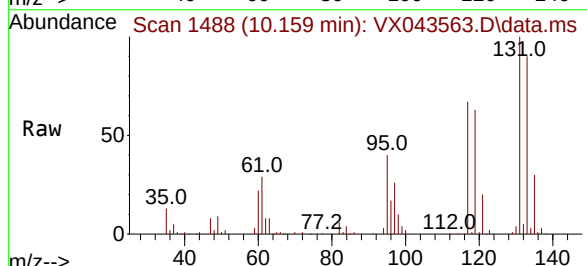
Tgt Ion:131 Resp: 93224

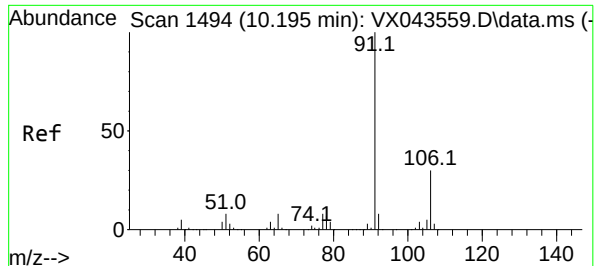
Ion Ratio Lower Upper

131 100

133 94.7 48.0 144.0

119 63.9 32.3 96.9





#67

Ethyl Benzene

Concen: 46.977 ug/l

RT: 10.189 min Scan# 1494

Delta R.T. -0.006 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102824

Tgt Ion: 91 Resp: 45037

Ion Ratio Lower Upper

91 100

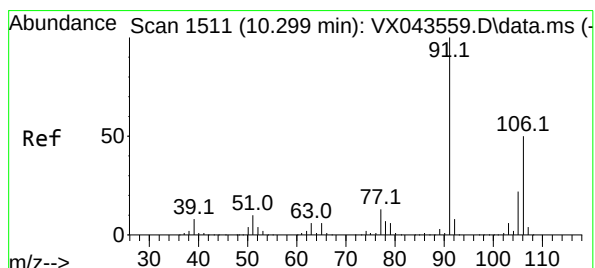
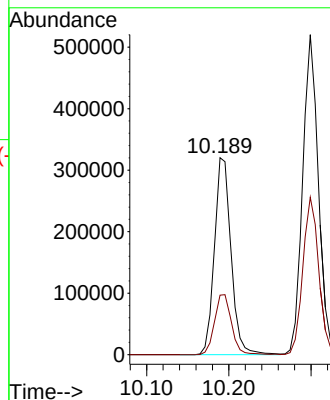
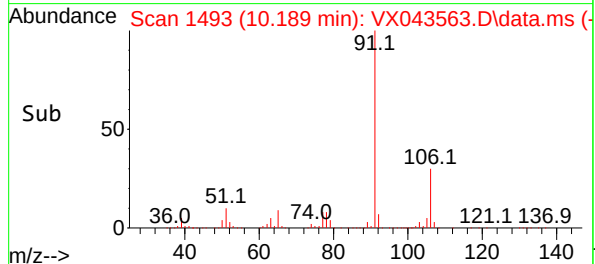
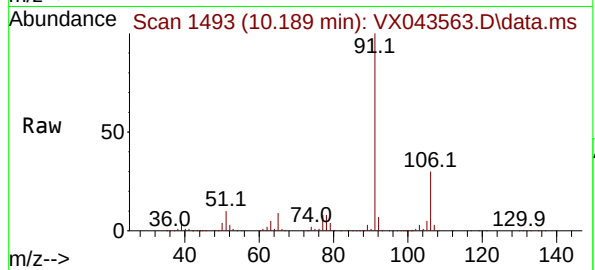
106 30.2 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#68

m/p-Xylenes

Concen: 95.253 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043563.D

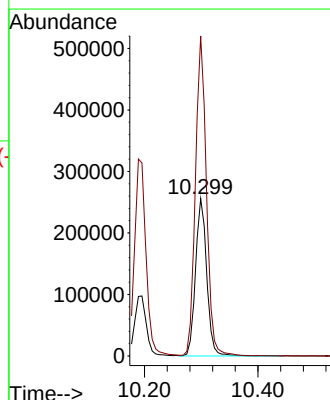
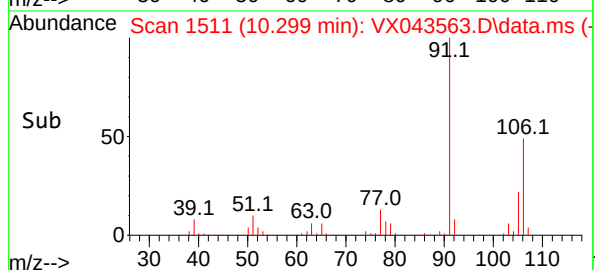
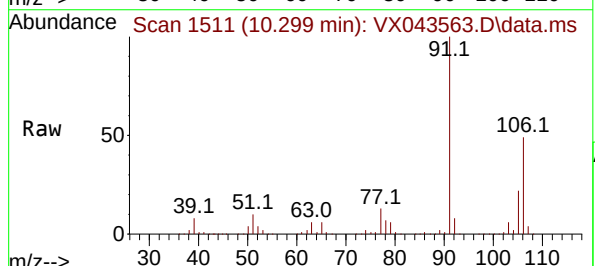
Acq: 28 Oct 2024 14:27

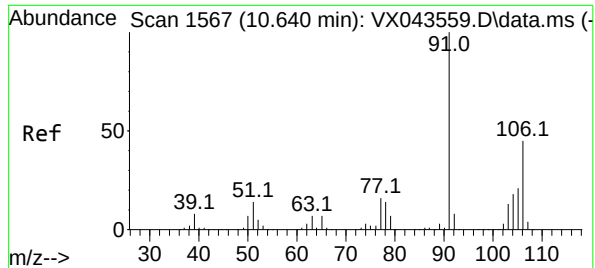
Tgt Ion:106 Resp: 349227

Ion Ratio Lower Upper

106 100

91 200.6 164.7 247.1





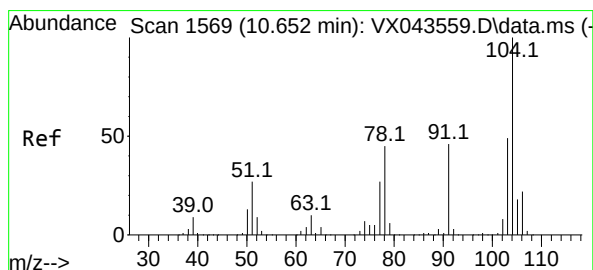
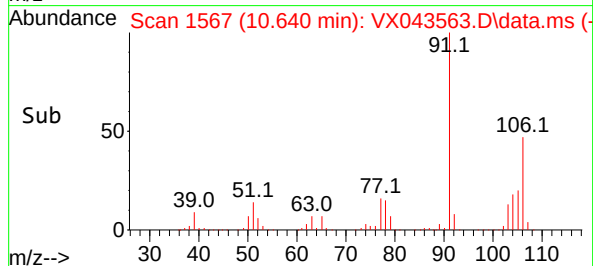
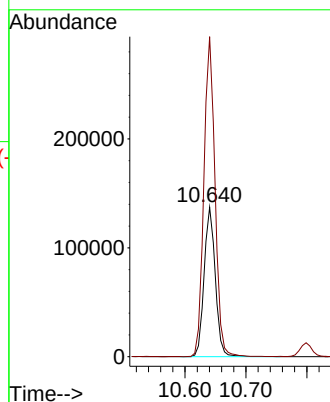
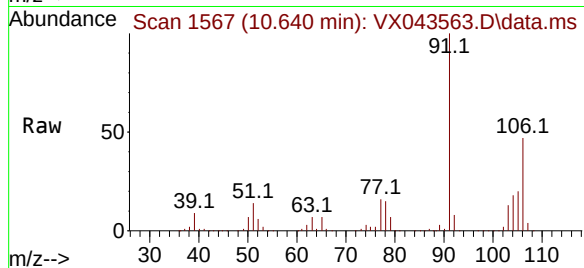
#69
o-Xylene
Concen: 47.523 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVX102824

Tgt Ion:106 Resp: 175059
Ion Ratio Lower Upper
106 100
91 213.6 107.9 323.7

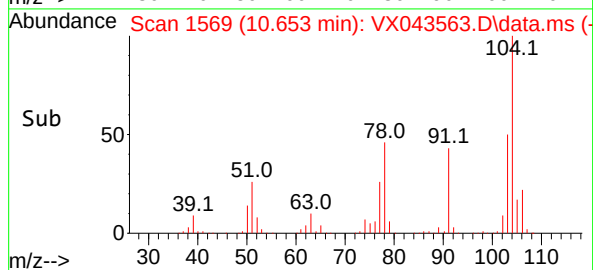
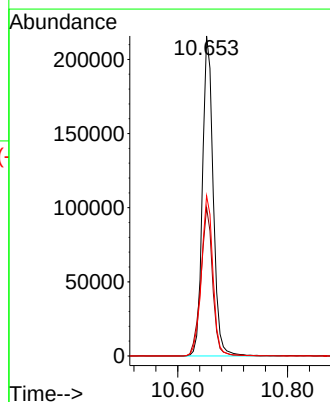
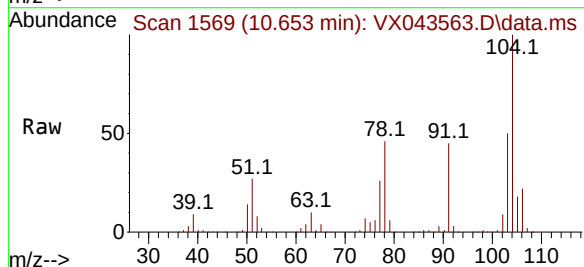
Manual Integrations
APPROVED

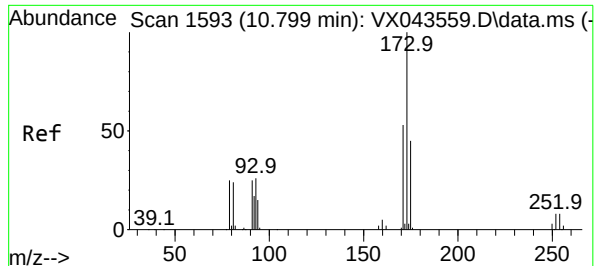
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#70
Styrene
Concen: 48.130 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

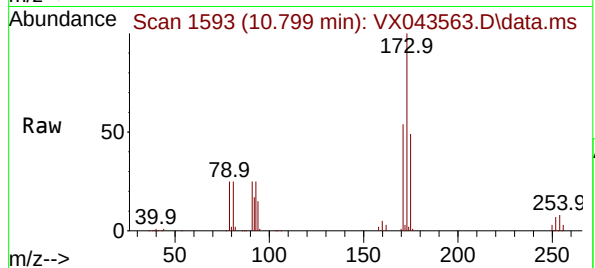
Tgt Ion:104 Resp: 294680
Ion Ratio Lower Upper
104 100
78 50.4 40.0 60.0
103 53.6 43.4 65.0





#71
Bromoform
Concen: 50.009 ug/l
RT: 10.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

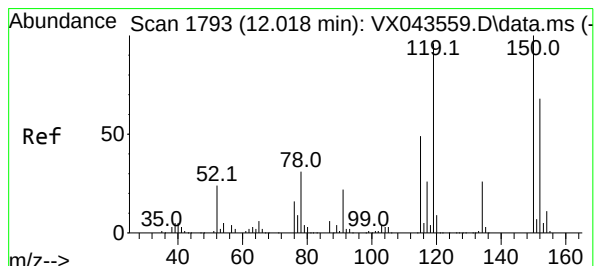
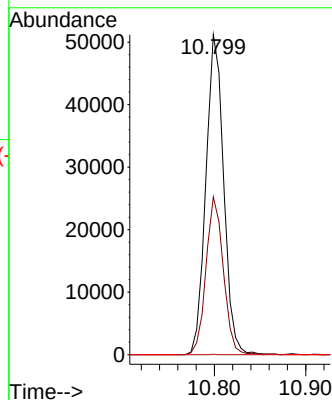
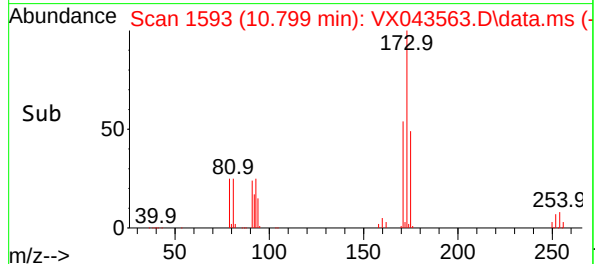
Instrument :
MSVOA_X
ClientSampleId :
ICVX102824



Tgt Ion:173 Resp: 6905
Ion Ratio Lower Upper
173 100
175 48.0 23.3 69.9
254 0.0 0.0 0.0

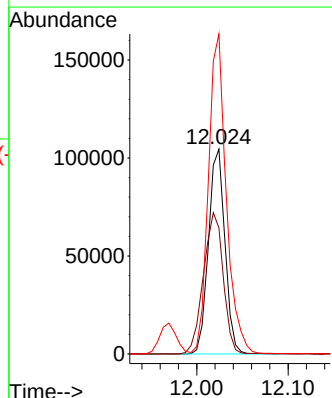
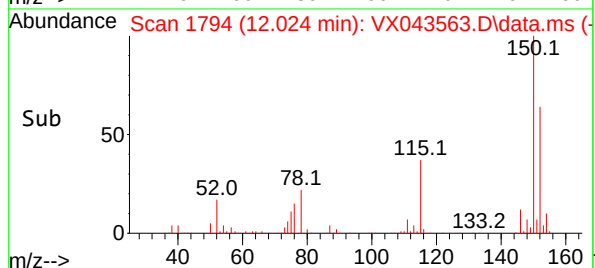
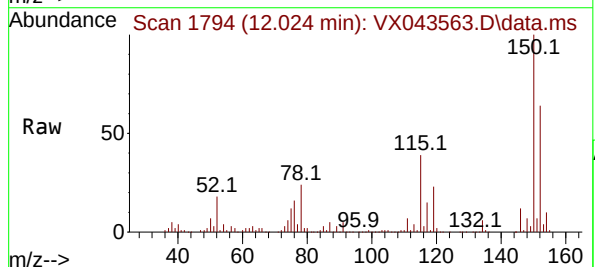
Manual Integrations
APPROVED

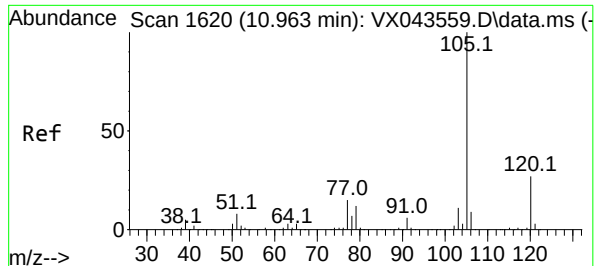
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

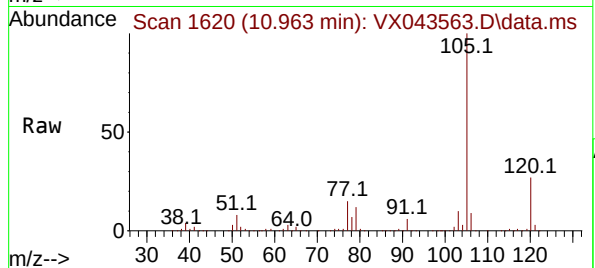
Tgt Ion:152 Resp: 130429
Ion Ratio Lower Upper
152 100
115 82.9 42.9 128.7
150 169.1 0.0 343.6





#73
Isopropylbenzene
Concen: 47.005 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

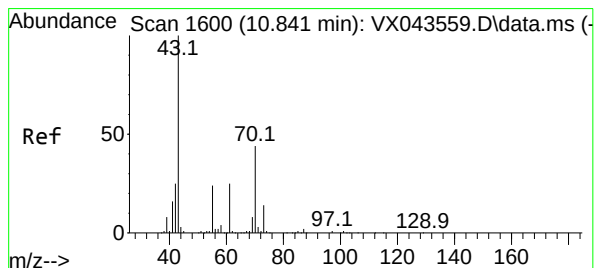
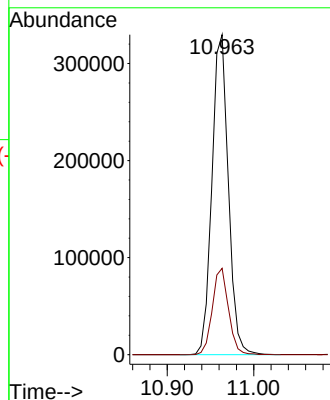
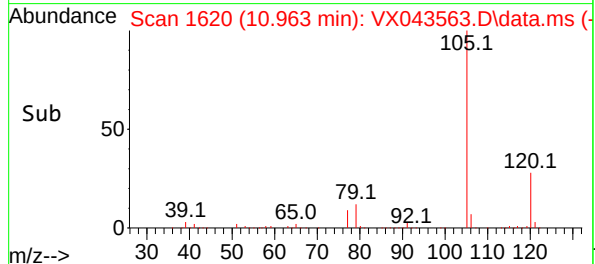
Instrument :
MSVOA_X
ClientSampleId :
ICVX102824



Tgt Ion:105 Resp: 434285
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6

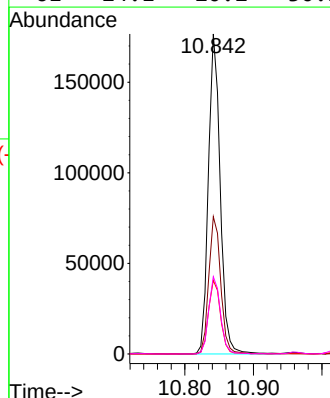
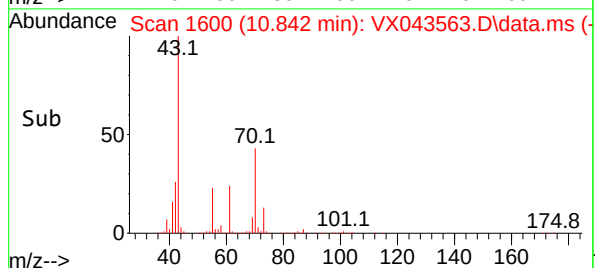
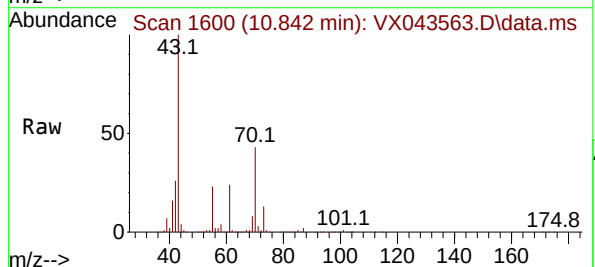
Manual Integrations
APPROVED

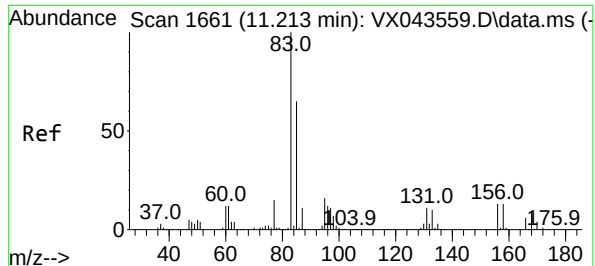
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#74
N-ethyl acetate
Concen: 47.145 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

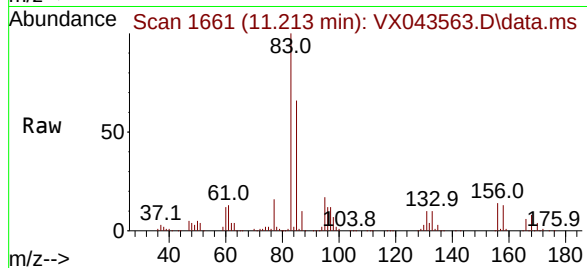
Tgt Ion: 43 Resp: 212192
Ion Ratio Lower Upper
43 100
70 43.4 34.6 52.0
55 23.5 19.6 29.4
61 24.1 20.2 30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 45.712 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

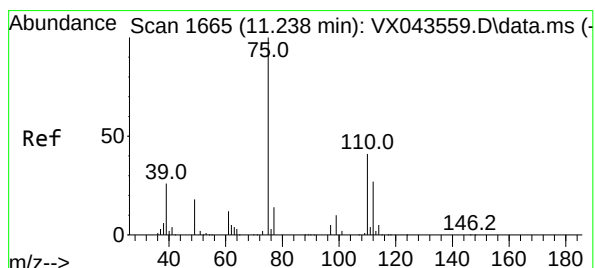
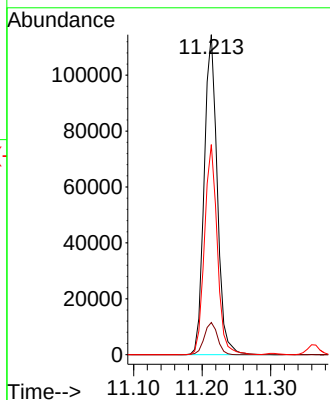
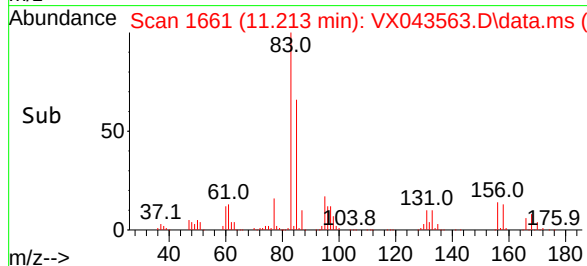
Instrument :
MSVOA_X
ClientSampleId :
ICVX102824



Tgt Ion: 83 Resp: 15187
Ion Ratio Lower Upper
83 100
131 10.3 5.3 15.9
85 64.5 32.4 97.0

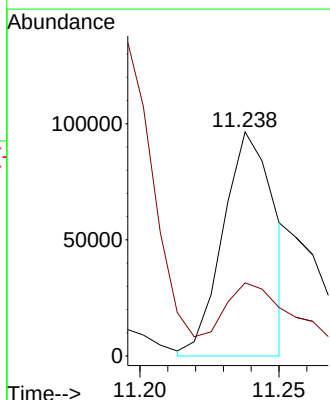
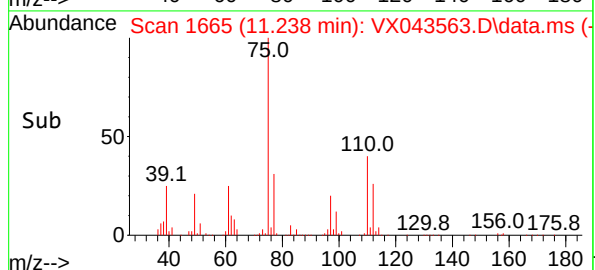
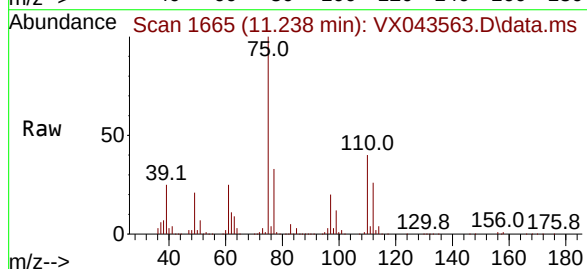
Manual Integrations
APPROVED

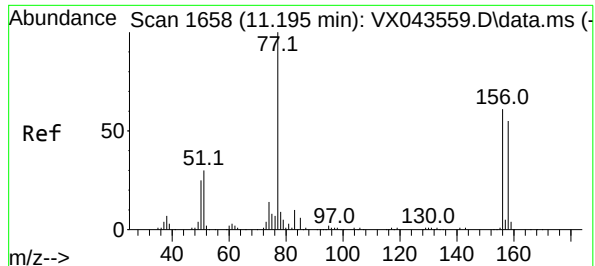
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#76
1,2,3-Trichloropropane
Concen: 44.275 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

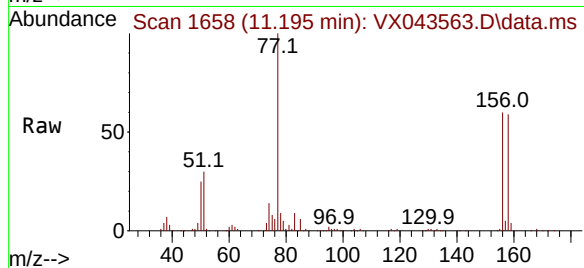
Tgt Ion: 75 Resp: 123473
Ion Ratio Lower Upper
75 100
77 46.9 22.4 67.2





#77
Bromobenzene
Concen: 45.472 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

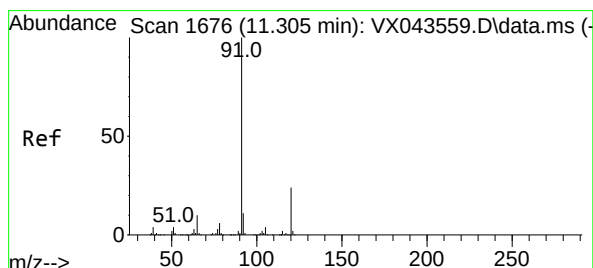
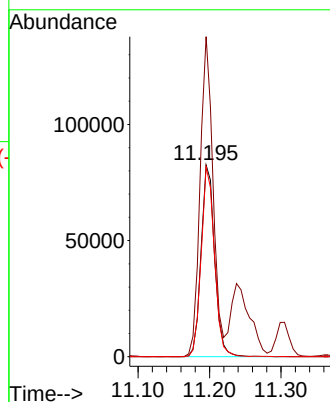
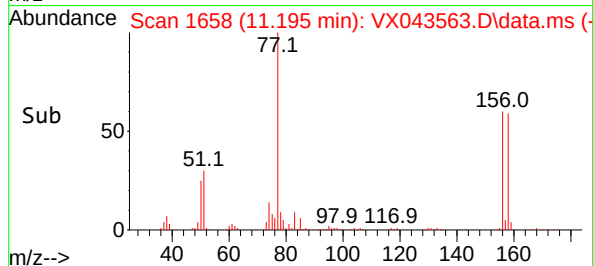
Instrument :
MSVOA_X
ClientSampleId :
ICVX102824



Tgt Ion:156 Resp: 10848
Ion Ratio Lower Upper
156 100
77 159.4 79.7 239.1
158 97.1 48.0 144.0

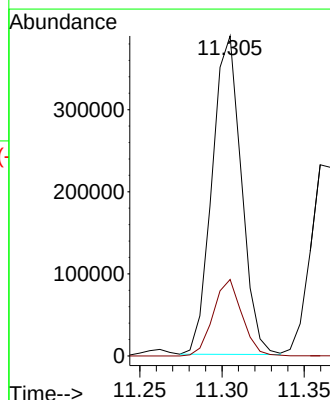
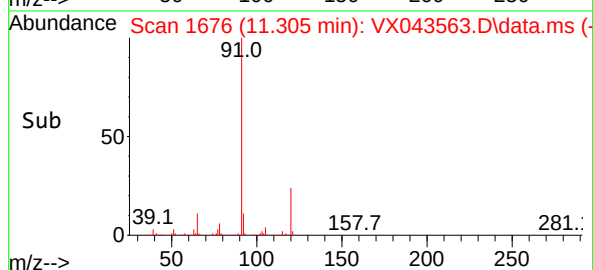
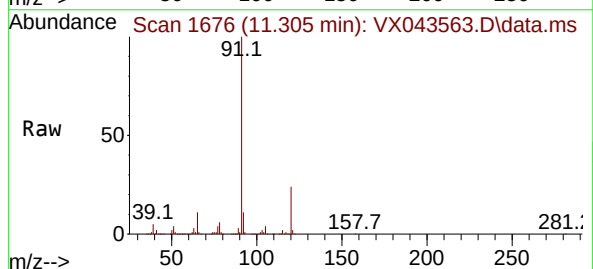
Manual Integrations
APPROVED

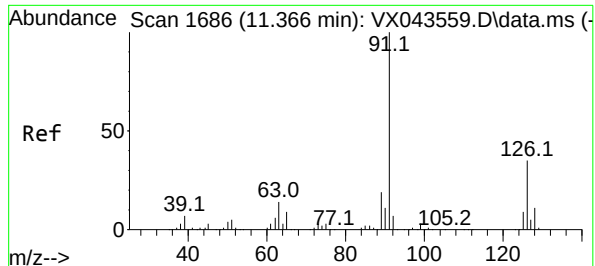
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#78
n-propylbenzene
Concen: 47.669 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 91 Resp: 480204
Ion Ratio Lower Upper
91 100
120 23.7 11.6 34.7





#79

2-Chlorotoluene

Concen: 45.500 ug/l

RT: 11.360 min Scan# 1686

Delta R.T. -0.006 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVVX102824

Tgt Ion: 91 Resp: 303930

Ion Ratio Lower Upper

91 100

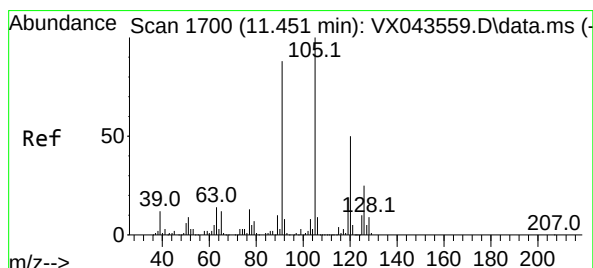
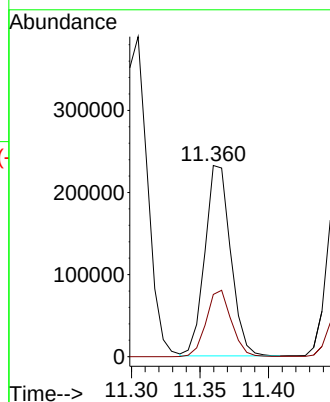
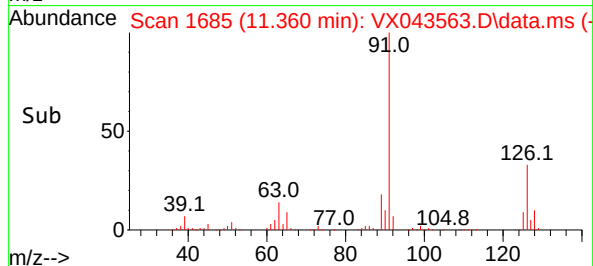
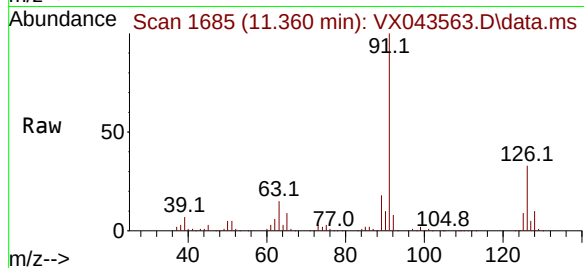
126 34.1 16.7 50.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#80

1,3,5-Trimethylbenzene

Concen: 48.003 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043563.D

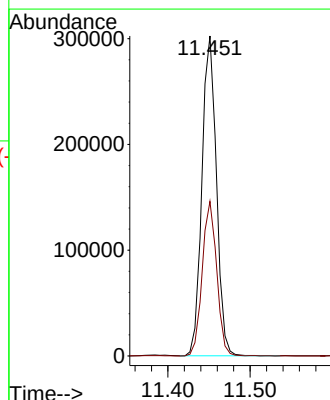
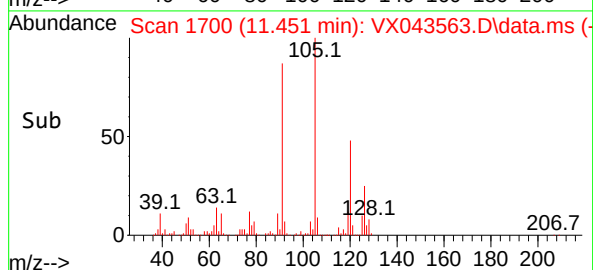
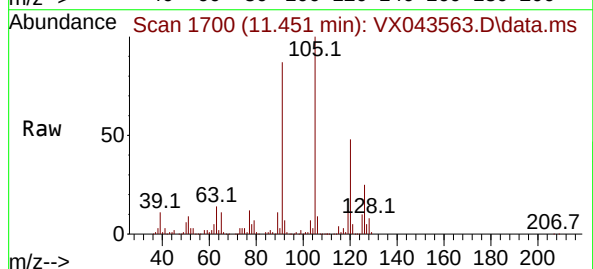
Acq: 28 Oct 2024 14:27

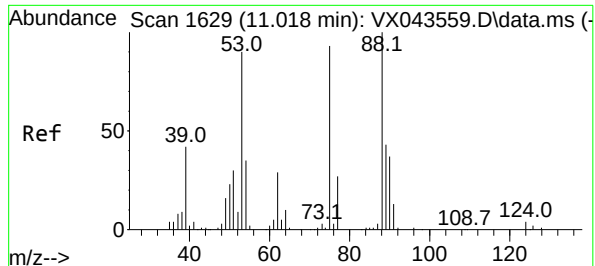
Tgt Ion:105 Resp: 369790

Ion Ratio Lower Upper

105 100

120 48.3 23.8 71.5





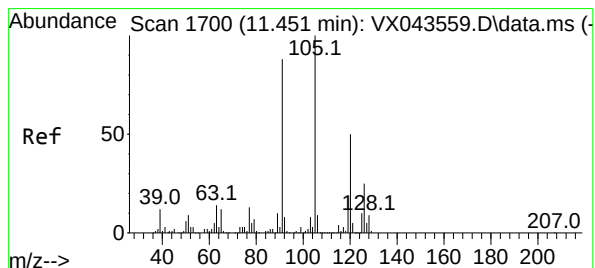
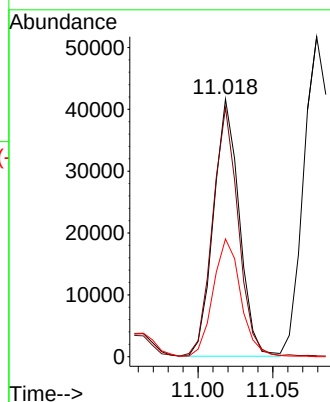
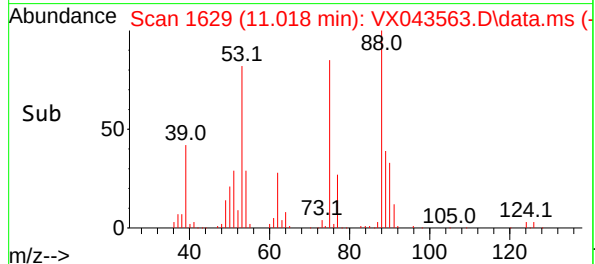
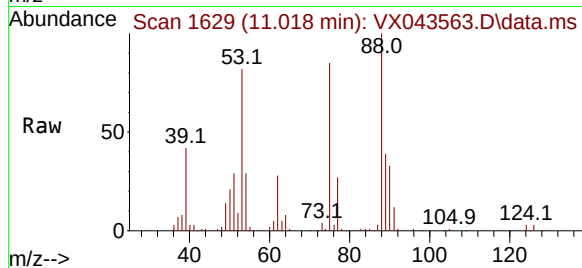
#81
trans-1,4-Dichloro-2-butene
Concen: 49.126 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 75 Resp: 49799
Ion Ratio Lower Upper
75 100
53 97.3 84.6 126.8
89 49.2 38.6 58.0

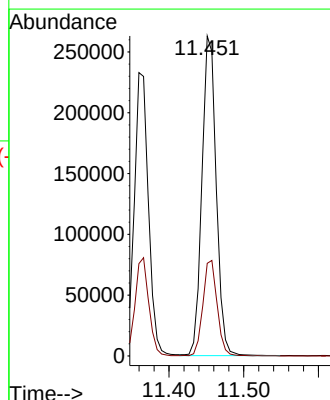
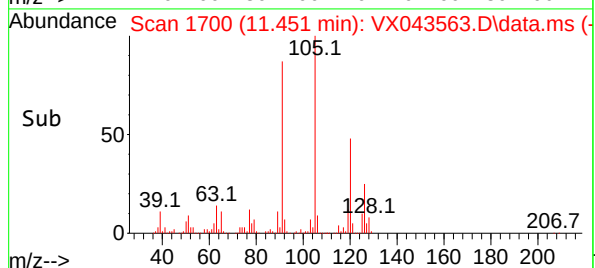
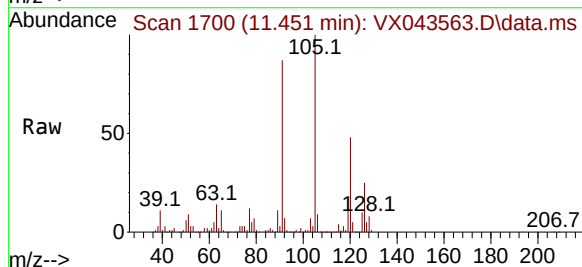
Manual Integrations
APPROVED

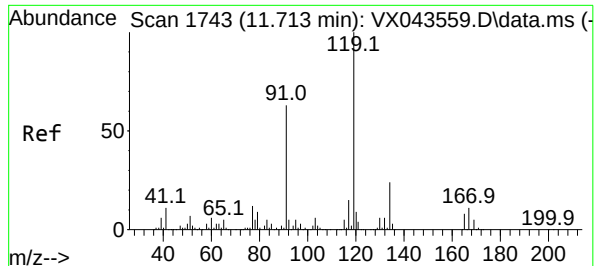
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#82
4-Chlorotoluene
Concen: 46.508 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

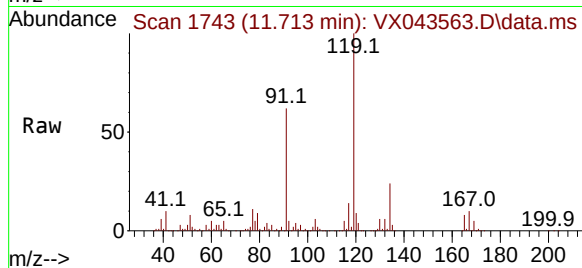
Tgt Ion: 91 Resp: 348692
Ion Ratio Lower Upper
91 100
126 29.9 14.2 42.8





#83
tert-Butylbenzene
Concen: 47.929 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

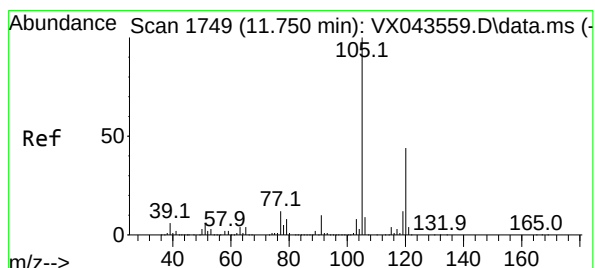
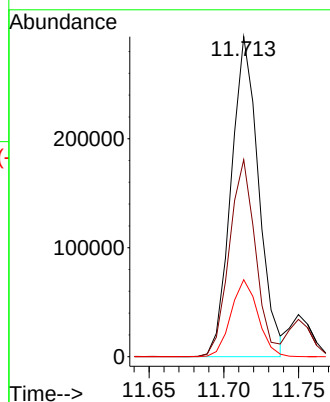
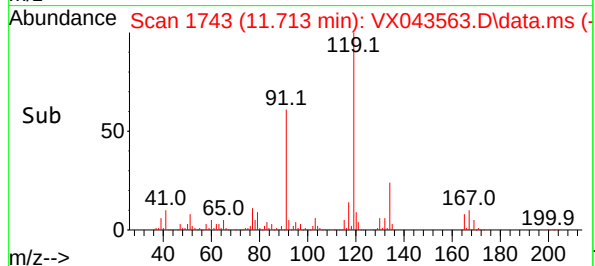
Instrument :
MSVOA_X
ClientSampleId :
ICVXX102824



Tgt Ion:119 Resp: 375497
Ion Ratio Lower Upper
119 100
91 59.0 29.5 88.5
134 23.6 11.8 35.3

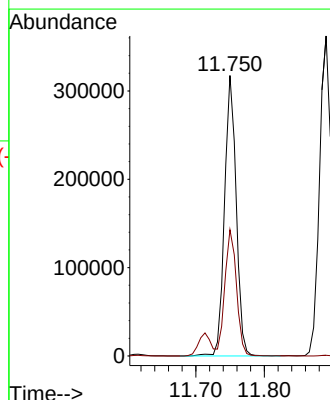
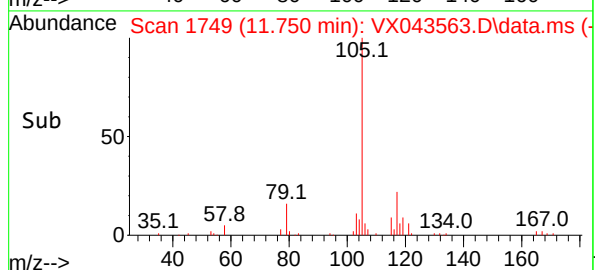
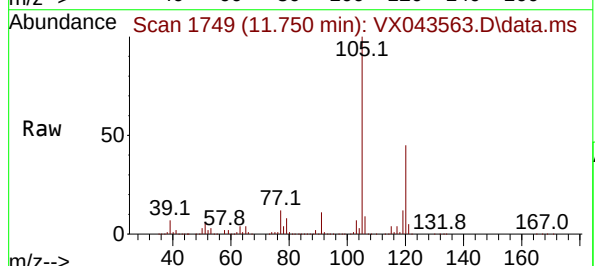
Manual Integrations
APPROVED

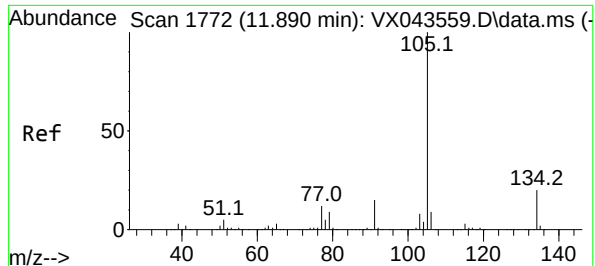
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#84
1,2,4-Trimethylbenzene
Concen: 47.450 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:105 Resp: 372516
Ion Ratio Lower Upper
105 100
120 44.6 22.1 66.1





#85

sec-Butylbenzene

Concen: 48.384 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion:105 Resp: 44431

Ion Ratio Lower Upper

105 100

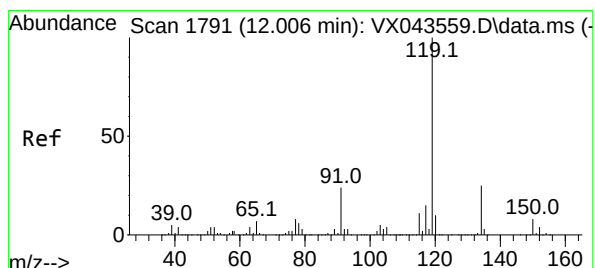
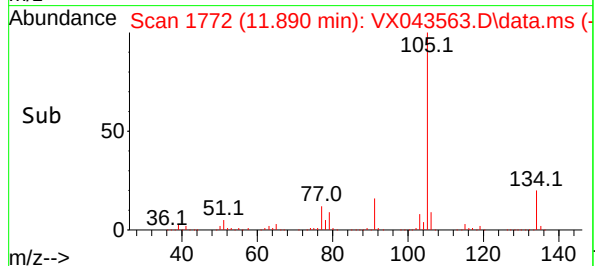
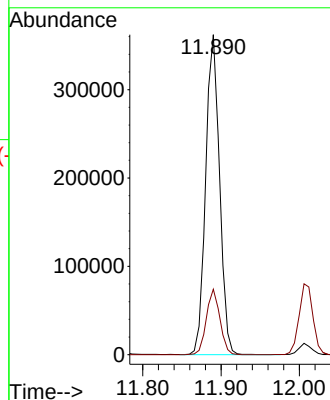
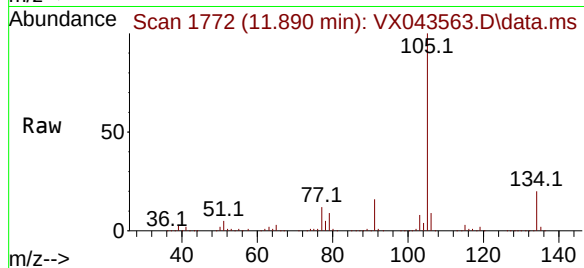
134 19.9 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#86

p-Isopropyltoluene

Concen: 48.310 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

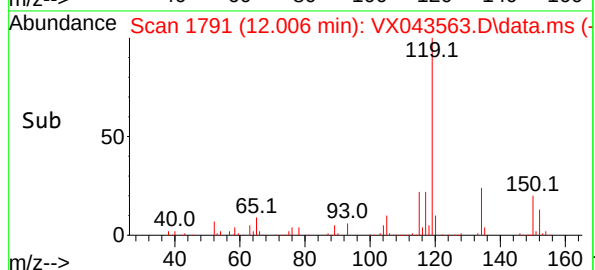
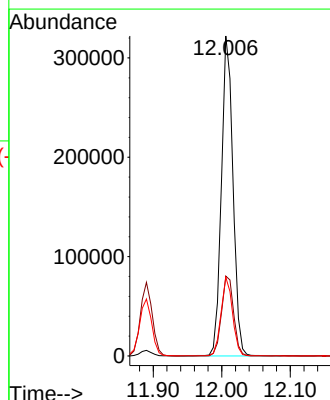
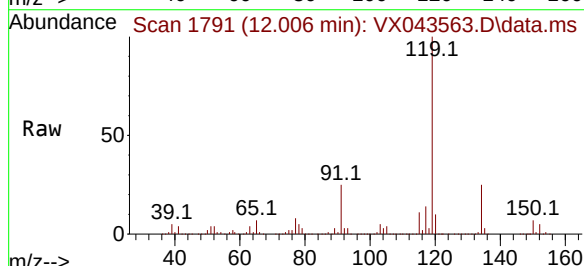
Tgt Ion:119 Resp: 377100

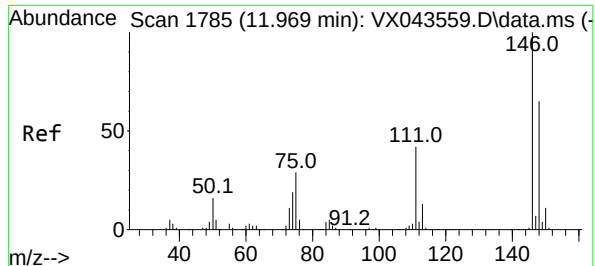
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 24.3 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 45.977 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

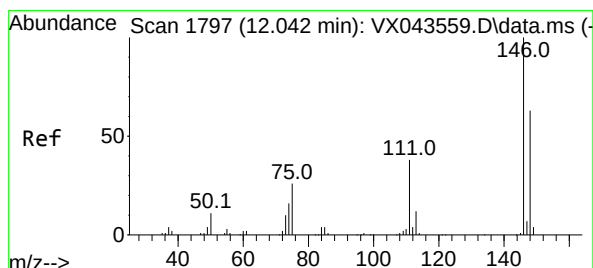
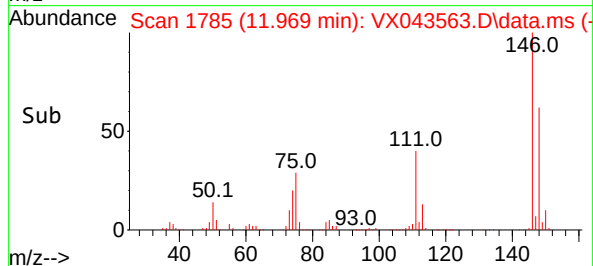
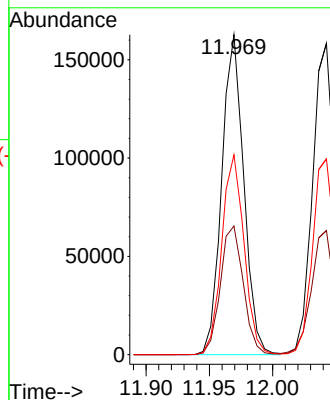
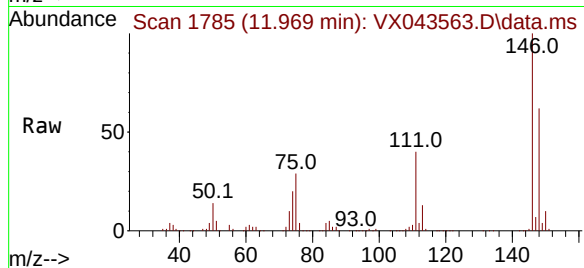
ICVX102824

Tgt Ion:146	Resp: 19659
Ion Ratio	Lower Upper
146	100
111	41.9 21.1 63.4
148	63.3 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#88

1,4-Dichlorobenzene

Concen: 44.556 ug/l

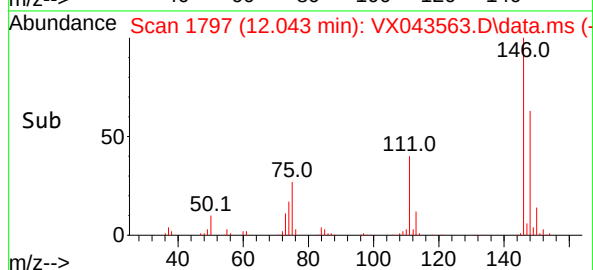
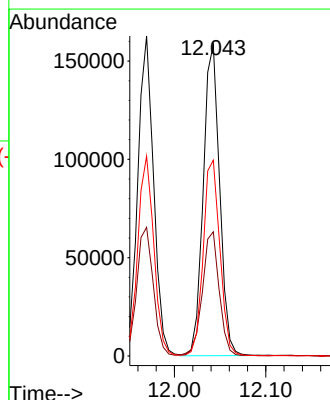
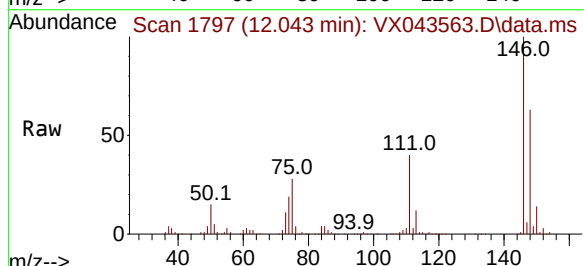
RT: 12.043 min Scan# 1797

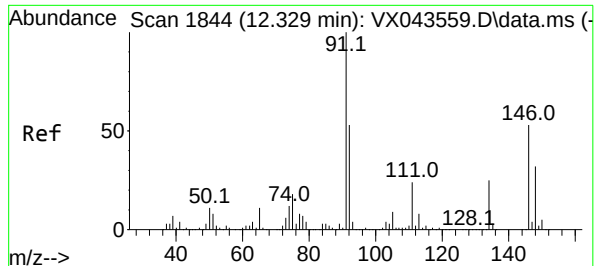
Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Tgt Ion:146	Resp: 197418
Ion Ratio	Lower Upper
146	100
111	41.0 20.4 61.3
148	64.1 31.9 95.9





#89

n-Butylbenzene

Concen: 49.987 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX102824

Tgt Ion: 91 Resp: 317940

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.2

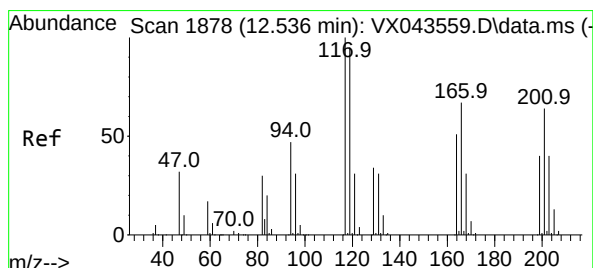
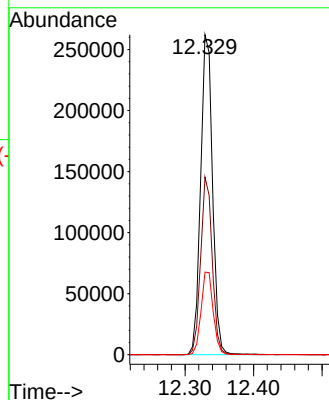
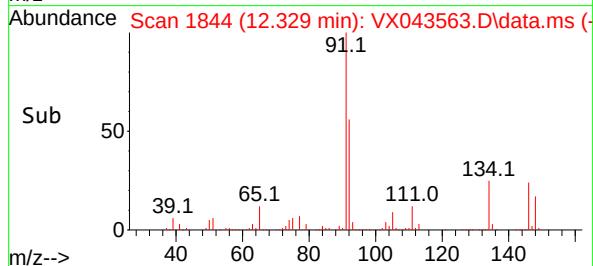
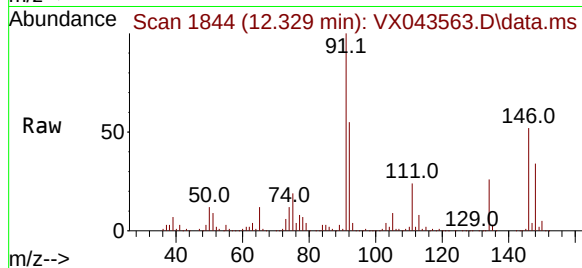
134 26.3 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024

Supervised By :Mahesh Dadoda 10/29/2024



#90

Hexachloroethane

Concen: 50.825 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043563.D

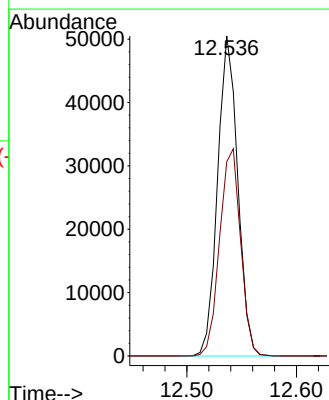
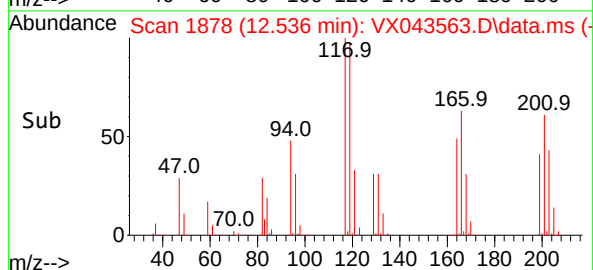
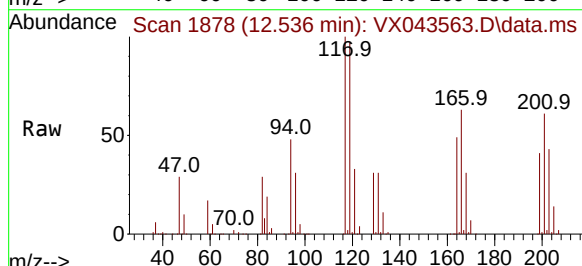
Acq: 28 Oct 2024 14:27

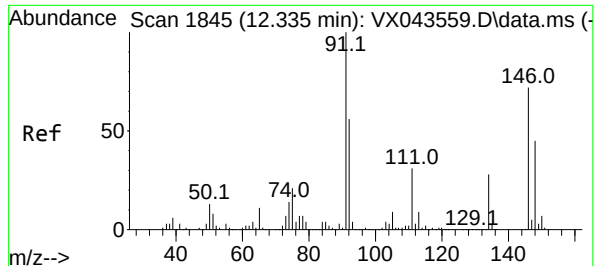
Tgt Ion:117 Resp: 64443

Ion Ratio Lower Upper

117 100

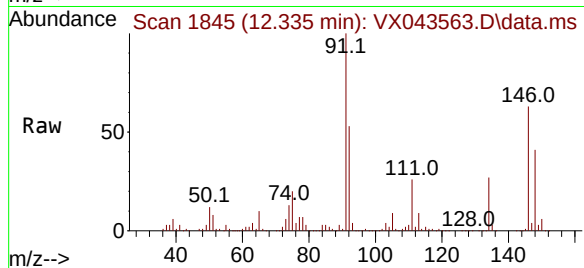
201 67.6 32.9 98.7





#91
1,2-Dichlorobenzene
Concen: 45.901 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

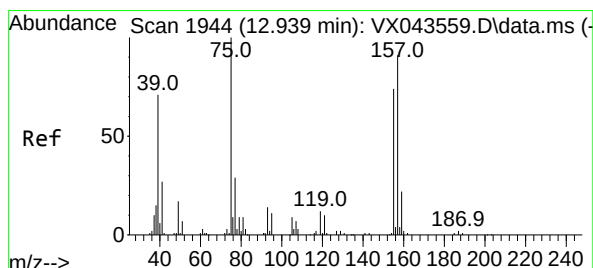
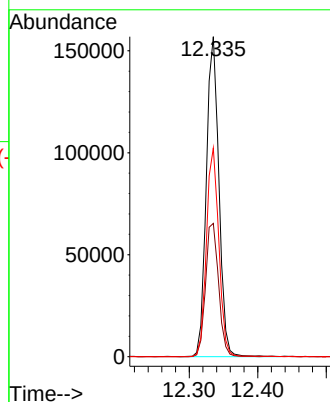
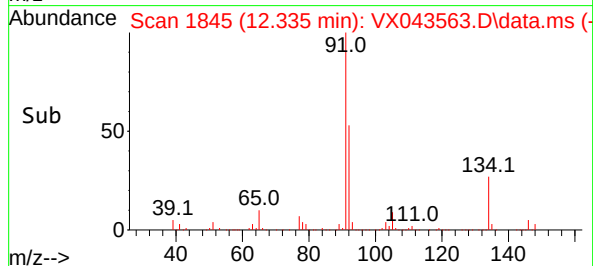
Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824



Tgt Ion:146 Resp: 200702
Ion Ratio Lower Upper
146 100
111 43.2 21.6 64.6
148 64.2 31.6 95.0

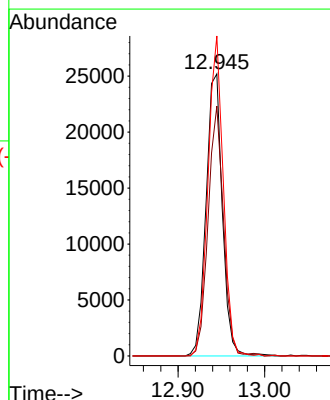
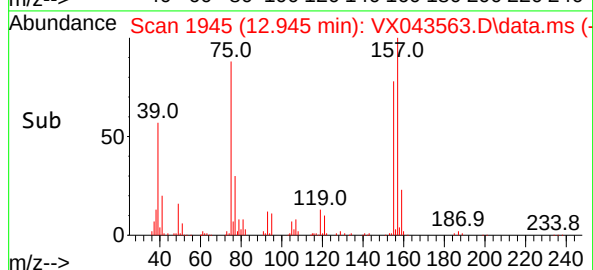
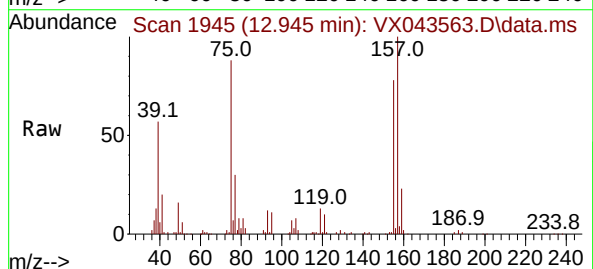
Manual Integrations
APPROVED

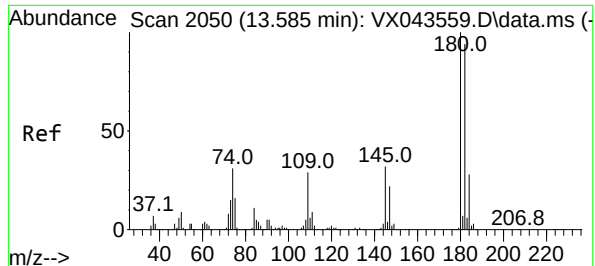
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.652 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 75 Resp: 32952
Ion Ratio Lower Upper
75 100
155 84.0 40.1 120.3
157 106.3 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 48.149 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

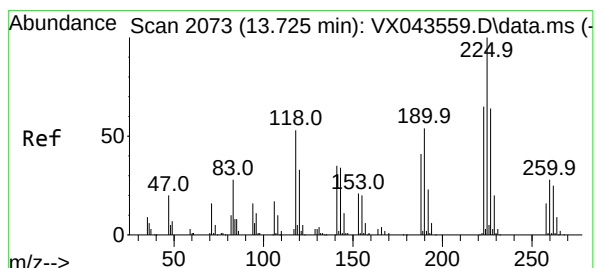
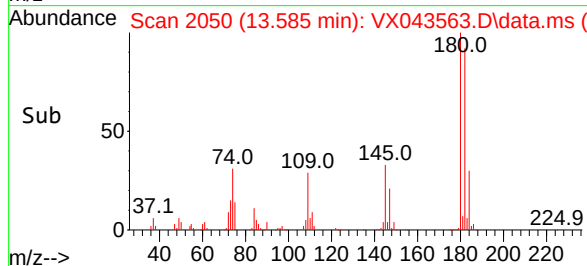
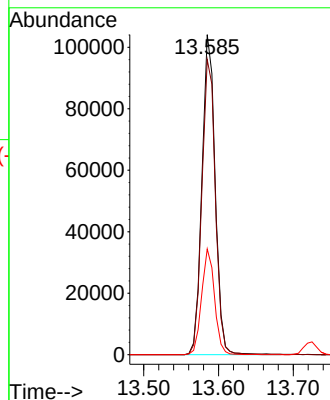
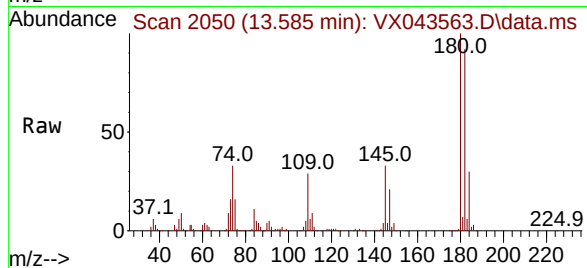
ICVX102824

Tgt Ion:	180	Resp:	127790
Ion Ratio	Lower	Upper	
180	100		
182	94.0	46.8	140.4
145	32.2	16.1	48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#94

Hexachlorobutadiene

Concen: 47.558 ug/l

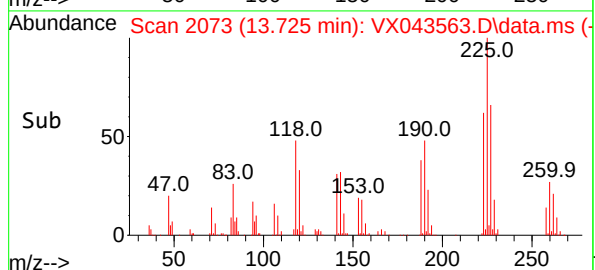
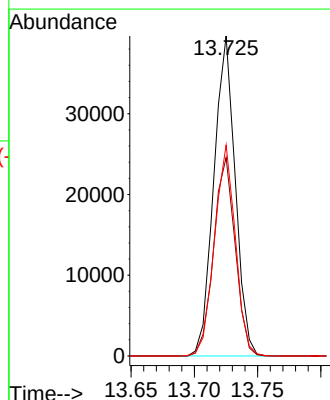
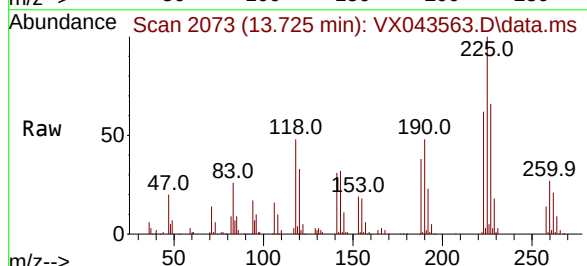
RT: 13.725 min Scan# 2073

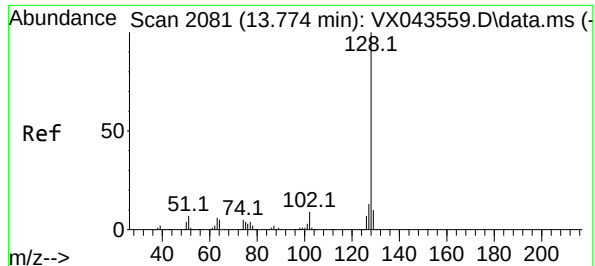
Delta R.T. 0.000 min

Lab File: VX043563.D

Acq: 28 Oct 2024 14:27

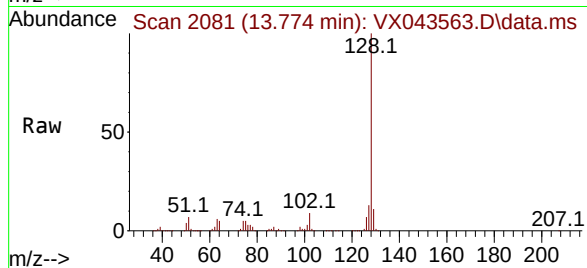
Tgt Ion:	225	Resp:	46538
Ion Ratio	Lower	Upper	
225	100		
223	62.4	30.8	92.4
227	64.5	31.6	94.8





#95
Naphthalene
Concen: 48.409 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

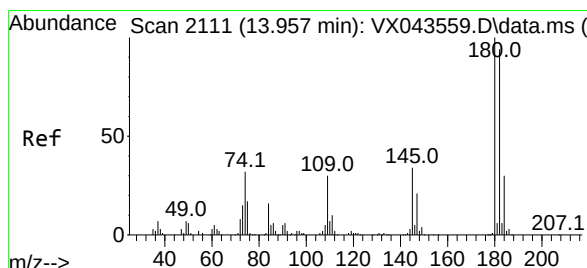
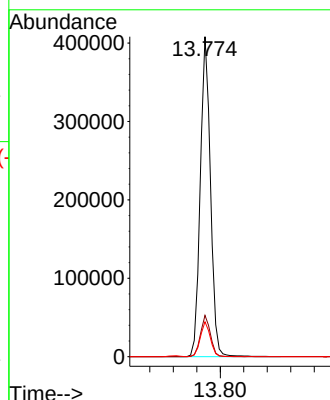
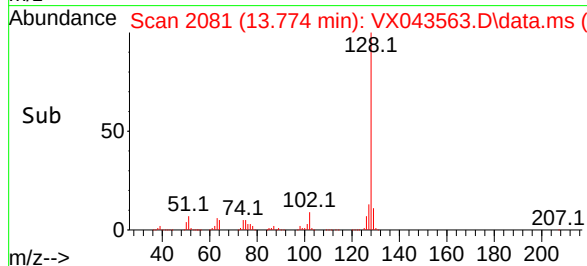
Instrument :
MSVOA_X
ClientSampleId :
ICVX102824



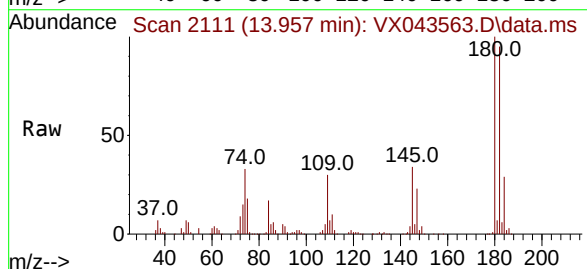
Tgt Ion:128 Resp: 491660
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.7 8.7 13.1

Manual Integrations
APPROVED

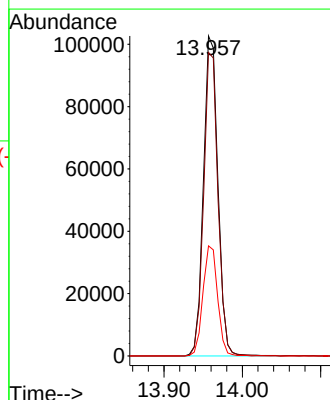
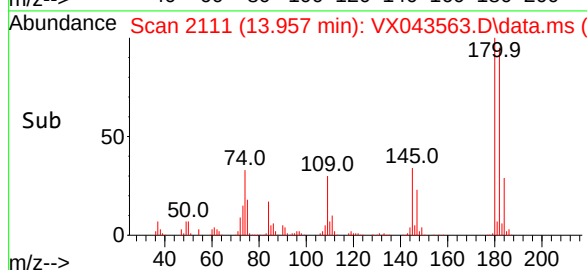
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 47.022 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27



Tgt Ion:180 Resp: 131581
Ion Ratio Lower Upper
180 100
182 93.9 47.1 141.3
145 34.9 17.4 52.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043563.D
 Acq On : 28 Oct 2024 14:27
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102824

Quant Time: Oct 29 03:22:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	120	0.00
2 T	Dichlorodifluoromethane	0.535	0.455	15.0	108	0.00
3 P	Chloromethane	0.684	0.566	17.3	105	0.00
4 C	Vinyl Chloride	0.634	0.555	12.5#	105	0.00
5 T	Bromomethane	0.259	0.215	17.0	99	0.00
6 T	Chloroethane	0.223	0.179	19.7	96	0.00
7 T	Trichlorofluoromethane	0.775	0.715	7.7	111	0.00
8 T	Diethyl Ether	0.358	0.309	13.7	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.524	0.468	10.7	107	0.00
10 T	Methyl Iodide	0.757	0.678	10.4	104	0.00
11 T	Tert butyl alcohol	0.149	0.137	8.1	106	0.00
12 CM	1,1-Dichloroethene	0.536	0.482	10.1#	108	0.00
13 T	Acrolein	0.116	0.102	12.1	113	0.00
14 T	Allyl chloride	0.926	0.844	8.9	107	0.00
15 T	Acrylonitrile	0.336	0.298	11.3	103	0.00
16 T	Acetone	0.317	0.284	10.4	109	0.00
17 T	Carbon Disulfide	1.120	1.064	5.0	113	0.00
18 T	Methyl Acetate	0.925	0.786	15.0	102	0.00
19 T	Methyl tert-butyl Ether	2.037	1.767	13.3	102	0.00
20 T	Methylene Chloride	0.682	0.567	16.9	103	0.00
21 T	trans-1,2-Dichloroethene	0.566	0.500	11.7	107	0.00
22 T	Diisopropyl ether	1.915	1.676	12.5	104	0.00
23 T	Vinyl Acetate	1.582	1.451	8.3	104	0.00
24 P	1,1-Dichloroethane	1.101	0.960	12.8	104	0.00
25 T	2-Butanone	0.462	0.411	11.0	103	0.00
26 T	2,2-Dichloropropane	0.901	0.830	7.9	112	0.00
27 T	cis-1,2-Dichloroethene	0.723	0.631	12.7	103	0.00
28 T	Bromochloromethane	0.524	0.446	14.9	106	0.00
29 T	Tetrahydrofuran	0.300	0.262	12.7	102	0.00
30 C	Chloroform	1.154	1.006	12.8#	104	0.00
31 T	Cyclohexane	0.842	0.745	11.5	107	0.00
32 T	1,1,1-Trichloroethane	0.969	0.880	9.2	107	0.00
33 S	1,2-Dichloroethane-d4	0.797	0.726	8.9	111	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	118	0.00
35 S	Dibromofluoromethane	0.339	0.323	4.7	114	0.00
36 T	1,1-Dichloropropene	0.402	0.361	10.2	110	0.00
37 T	Ethyl Acetate	0.488	0.457	6.4	107	0.00
38 T	Carbon Tetrachloride	0.444	0.409	7.9	109	0.00
39 T	Methylcyclohexane	0.499	0.455	8.8	106	0.00
40 TM	Benzene	1.341	1.184	11.7	103	0.00
41 T	Methacrylonitrile	0.256	0.229	10.5	100	0.00
42 TM	1,2-Dichloroethane	0.482	0.429	11.0	103	0.00
43 T	Isopropyl Acetate	0.807	0.727	9.9	103	0.00
44 TM	Trichloroethene	0.333	0.299	10.2	105	0.00
45 C	1,2-Dichloropropane	0.330	0.296	10.3#	104	0.00
46 T	Dibromomethane	0.254	0.223	12.2	102	0.00
47 T	Bromodichloromethane	0.446	0.421	5.6	104	0.00
48 T	Methyl methacrylate	0.383	0.354	7.6	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043563.D
 Acq On : 28 Oct 2024 14:27
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX102824

Quant Time: Oct 29 03:22:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	0.008	0.008	0.0	119	0.00
50 S	Toluene-d8	1.174	1.138	3.1	115	0.00
51 T	4-Methyl-2-Pentanone	0.492	0.451	8.3	102	0.00
52 CM	Toluene	0.813	0.748	8.0#	106	0.00
53 T	t-1,3-Dichloropropene	0.479	0.449	6.3	104	0.00
54 T	cis-1,3-Dichloropropene	0.510	0.489	4.1	107	0.00
55 T	1,1,2-Trichloroethane	0.339	0.306	9.7	102	0.00
56 T	Ethyl methacrylate	0.550	0.503	8.5	101	0.00
57 T	1,3-Dichloropropane	0.563	0.499	11.4	100	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.240	9.8	106	0.00
59 T	2-Hexanone	0.374	0.344	8.0	102	0.00
60 T	Dibromochloromethane	0.335	0.325	3.0	105	0.00
61 T	1,2-Dibromoethane	0.351	0.315	10.3	102	0.00
62 S	4-Bromofluorobenzene	0.435	0.420	3.4	112	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	115	0.00
64 T	Tetrachloroethene	0.314	0.288	8.3	107	0.00
65 PM	Chlorobenzene	1.076	0.978	9.1	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.351	0.341	2.8	105	0.00
67 C	Ethyl Benzene	1.754	1.648	6.0#	106	0.00
68 T	m/p-Xylenes	0.671	0.639	4.8	106	0.00
69 T	o-Xylene	0.674	0.641	4.9	107	0.00
70 T	Styrene	1.120	1.078	3.8	105	0.00
71 P	Bromoform	0.253	0.253	0.0	105	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
73 T	Isopropylbenzene	3.542	3.330	6.0	106	0.00
74 T	N-amyl acetate	1.725	1.627	5.7	104	0.00
75 P	1,1,2,2-Tetrachloroethane	1.274	1.164	8.6	103	0.00
76 T	1,2,3-Trichloropropane	1.069	0.947	11.4	100	0.00
77 T	Bromobenzene	0.915	0.832	9.1	102	0.00
78 T	n-propylbenzene	3.862	3.682	4.7	105	0.00
79 T	2-Chlorotoluene	2.561	2.330	9.0	105	0.00
80 T	1,3,5-Trimethylbenzene	2.953	2.835	4.0	106	0.00
81 T	trans-1,4-Dichloro-2-butene	0.389	0.382	1.8	104	0.00
82 T	4-Chlorotoluene	2.874	2.673	7.0	105	0.00
83 T	tert-Butylbenzene	3.003	2.879	4.1	108	0.00
84 T	1,2,4-Trimethylbenzene	3.010	2.856	5.1	105	0.00
85 T	sec-Butylbenzene	3.520	3.407	3.2	106	0.00
86 T	p-Isopropyltoluene	2.992	2.891	3.4	105	0.00
87 T	1,3-Dichlorobenzene	1.639	1.507	8.1	104	0.00
88 T	1,4-Dichlorobenzene	1.699	1.514	10.9	104	0.00
89 T	n-Butylbenzene	2.438	2.438	0.0	106	0.00
90 T	Hexachloroethane	0.486	0.494	-1.6	108	0.00
91 T	1,2-Dichlorobenzene	1.676	1.539	8.2	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.260	0.253	2.7	102	0.00
93 T	1,2,4-Trichlorobenzene	1.017	0.980	3.6	103	0.00
94 T	Hexachlorobutadiene	0.375	0.357	4.8	109	0.00
95 T	Naphthalene	3.893	3.770	3.2	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
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	1.073	1.009	6.0	104	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX102824\
 Data File : VX043563.D
 Acq On : 28 Oct 2024 14:27
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102824

Quant Time: Oct 29 03:22:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	120	0.00
2 T	Dichlorodifluoromethane	50.000	42.565	14.9	108	0.00
3 P	Chloromethane	50.000	41.434	17.1	105	0.00
4 C	Vinyl Chloride	50.000	43.758	12.5#	105	0.00
5 T	Bromomethane	50.000	41.604	16.8	99	0.00
6 T	Chloroethane	50.000	39.988	20.0	96	0.00
7 T	Trichlorofluoromethane	50.000	46.124	7.8	111	0.00
8 T	Diethyl Ether	50.000	43.186	13.6	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	44.609	10.8	107	0.00
10 T	Methyl Iodide	50.000	44.767	10.5	104	0.00
11 T	Tert butyl alcohol	250.000	229.410	8.2	106	0.00
12 CM	1,1-Dichloroethene	50.000	44.957	10.1#	108	0.00
13 T	Acrolein	250.000	218.298	12.7	113	0.00
14 T	Allyl chloride	50.000	45.529	8.9	107	0.00
15 T	Acrylonitrile	250.000	221.401	11.4	103	0.00
16 T	Acetone	250.000	224.158	10.3	109	0.00
17 T	Carbon Disulfide	50.000	47.524	5.0	113	0.00
18 T	Methyl Acetate	50.000	42.460	15.1	102	0.00
19 T	Methyl tert-butyl Ether	50.000	43.380	13.2	102	0.00
20 T	Methylene Chloride	50.000	41.513	17.0	103	0.00
21 T	trans-1,2-Dichloroethene	50.000	44.148	11.7	107	0.00
22 T	Diisopropyl ether	50.000	43.777	12.4	104	0.00
23 T	Vinyl Acetate	250.000	229.380	8.2	104	0.00
24 P	1,1-Dichloroethane	50.000	43.633	12.7	104	0.00
25 T	2-Butanone	250.000	222.655	10.9	103	0.00
26 T	2,2-Dichloropropane	50.000	46.075	7.8	112	0.00
27 T	cis-1,2-Dichloroethene	50.000	43.635	12.7	103	0.00
28 T	Bromochloromethane	50.000	42.606	14.8	106	0.00
29 T	Tetrahydrofuran	250.000	218.299	12.7	102	0.00
30 C	Chloroform	50.000	43.621	12.8#	104	0.00
31 T	Cyclohexane	50.000	44.229	11.5	107	0.00
32 T	1,1,1-Trichloroethane	50.000	45.409	9.2	107	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.512	9.0	111	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	118	0.00
35 S	Dibromofluoromethane	50.000	47.657	4.7	114	0.00
36 T	1,1-Dichloropropene	50.000	44.924	10.2	110	0.00
37 T	Ethyl Acetate	50.000	46.862	6.3	107	0.00
38 T	Carbon Tetrachloride	50.000	46.088	7.8	109	0.00
39 T	Methylcyclohexane	50.000	45.618	8.8	106	0.00
40 TM	Benzene	50.000	44.132	11.7	103	0.00
41 T	Methacrylonitrile	50.000	44.704	10.6	100	0.00
42 TM	1,2-Dichloroethane	50.000	44.475	11.0	103	0.00
43 T	Isopropyl Acetate	50.000	45.049	9.9	103	0.00
44 TM	Trichloroethene	50.000	44.826	10.3	105	0.00
45 C	1,2-Dichloropropane	50.000	44.772	10.5#	104	0.00
46 T	Dibromomethane	50.000	43.863	12.3	102	0.00
47 T	Bromodichloromethane	50.000	47.134	5.7	104	0.00
48 T	Methyl methacrylate	50.000	46.235	7.5	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043563.D
 Acq On : 28 Oct 2024 14:27
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX102824

Quant Time: Oct 29 03:22:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	1047.352	-4.7	119	0.00
50 S	Toluene-d8	50.000	48.461	3.1	115	0.00
51 T	4-Methyl-2-Pentanone	250.000	229.383	8.2	102	0.00
52 CM	Toluene	50.000	46.000	8.0#	106	0.00
53 T	t-1,3-Dichloropropene	50.000	46.821	6.4	104	0.00
54 T	cis-1,3-Dichloropropene	50.000	47.945	4.1	107	0.00
55 T	1,1,2-Trichloroethane	50.000	45.125	9.8	102	0.00
56 T	Ethyl methacrylate	50.000	45.728	8.5	101	0.00
57 T	1,3-Dichloropropane	50.000	44.279	11.4	100	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	225.175	9.9	106	0.00
59 T	2-Hexanone	250.000	230.086	8.0	102	0.00
60 T	Dibromochloromethane	50.000	48.399	3.2	105	0.00
61 T	1,2-Dibromoethane	50.000	44.841	10.3	102	0.00
62 S	4-Bromofluorobenzene	50.000	48.327	3.3	112	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	115	0.00
64 T	Tetrachloroethene	50.000	45.765	8.5	107	0.00
65 PM	Chlorobenzene	50.000	45.479	9.0	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.543	2.9	105	0.00
67 C	Ethyl Benzene	50.000	46.977	6.0#	106	0.00
68 T	m/p-Xylenes	100.000	95.253	4.7	106	0.00
69 T	o-Xylene	50.000	47.523	5.0	107	0.00
70 T	Styrene	50.000	48.130	3.7	105	0.00
71 P	Bromoform	50.000	50.009	-0.0	105	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	114	0.00
73 T	Isopropylbenzene	50.000	47.005	6.0	106	0.00
74 T	N-amyl acetate	50.000	47.145	5.7	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.712	8.6	103	0.00
76 T	1,2,3-Trichloropropane	50.000	44.275	11.5	100	0.00
77 T	Bromobenzene	50.000	45.472	9.1	102	0.00
78 T	n-propylbenzene	50.000	47.669	4.7	105	0.00
79 T	2-Chlorotoluene	50.000	45.500	9.0	105	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.003	4.0	106	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.126	1.7	104	0.00
82 T	4-Chlorotoluene	50.000	46.508	7.0	105	0.00
83 T	tert-Butylbenzene	50.000	47.929	4.1	108	0.00
84 T	1,2,4-Trimethylbenzene	50.000	47.450	5.1	105	0.00
85 T	sec-Butylbenzene	50.000	48.384	3.2	106	0.00
86 T	p-Isopropyltoluene	50.000	48.310	3.4	105	0.00
87 T	1,3-Dichlorobenzene	50.000	45.977	8.0	104	0.00
88 T	1,4-Dichlorobenzene	50.000	44.556	10.9	104	0.00
89 T	n-Butylbenzene	50.000	49.987	0.0	106	0.00
90 T	Hexachloroethane	50.000	50.825	-1.7	108	0.00
91 T	1,2-Dichlorobenzene	50.000	45.901	8.2	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.652	2.7	102	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.149	3.7	103	0.00
94 T	Hexachlorobutadiene	50.000	47.558	4.9	109	0.00
95 T	Naphthalene	50.000	48.409	3.2	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
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	47.022	6.0	104	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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 09:29

Lab File ID: VX043583.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.684	0.597	0.1	-12.72	20
Vinyl Chloride	0.634	0.614		-3.31	20
Bromomethane	0.259	0.236		-8.88	20
Chloroethane	0.223	0.209		-6.28	20
Trichlorofluoromethane	0.775	0.759		-2.07	20
1,1,2-Trichlorotrifluoroethane	0.524	0.542		3.43	20
1,1-Dichloroethene	0.536	0.536		0	20
Acetone	0.317	0.297		-6.31	20
Carbon Disulfide	1.120	1.146		2.32	20
Methyl tert-butyl Ether	2.037	1.814		-10.95	20
Methylene Chloride	0.682	0.601		-11.88	20
trans-1,2-Dichloroethene	0.566	0.555		-1.94	20
1,1-Dichloroethane	1.101	1.028	0.1	-6.63	20
2-Butanone	0.462	0.403		-12.77	20
Carbon Tetrachloride	0.444	0.466		4.95	20
cis-1,2-Dichloroethene	0.723	0.687		-4.98	20
Chloroform	1.154	1.065		-7.71	20
1,1,1-Trichloroethane	0.969	0.948		-2.17	20
Methylcyclohexane	0.499	0.574		15.03	20
Benzene	1.341	1.333		-0.6	20
1,2-Dichloroethane	0.482	0.452		-6.22	20
Trichloroethene	0.333	0.351		5.41	20
1,2-Dichloropropane	0.330	0.327		-0.91	20
Bromodichloromethane	0.446	0.461		3.36	20
4-Methyl-2-Pentanone	0.492	0.451		-8.33	20
Toluene	0.813	0.854		5.04	20
t-1,3-Dichloropropene	0.479	0.490		2.3	20
cis-1,3-Dichloropropene	0.510	0.537		5.29	20
1,1,2-Trichloroethane	0.339	0.329		-2.95	20
2-Hexanone	0.374	0.352		-5.88	20
Dibromochloromethane	0.335	0.358		6.87	20
Tetrachloroethene	0.314	0.333		6.05	20
Chlorobenzene	1.076	1.092	0.3	1.49	20
Ethyl Benzene	1.754	1.860		6.04	20
m/p-Xylenes	0.671	0.725		8.05	20
o-Xylene	0.674	0.708		5.05	20
Styrene	1.120	1.213		8.3	20
Bromoform	0.253	0.265	0.1	4.74	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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 09:29

Lab File ID: VX043583.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.542	3.725		5.17	20
1,1,2,2-Tetrachloroethane	1.274	1.176	0.3	-7.69	20
1,3-Dichlorobenzene	1.639	1.707		4.15	20
1,4-Dichlorobenzene	1.699	1.695		-0.23	20
1,2-Dichlorobenzene	1.676	1.698		1.31	20
1,2-Dichloroethane-d4	0.797	0.708		-11.17	20
Dibromofluoromethane	0.339	0.345		1.77	20
Toluene-d8	1.174	1.260		7.32	20
4-Bromofluorobenzene	0.435	0.471		8.28	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_X\Data\VX102924\
 Data File : VX043583.D
 Acq On : 29 Oct 2024 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:24:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	185040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	317661	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	277122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	136145	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	130985	44.394	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.780%
35) Dibromofluoromethane	5.373	113	109730	50.941	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.880%
50) Toluene-d8	8.647	98	400238	53.676	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.360%
62) 4-Bromofluorobenzene	11.079	95	149677	54.171	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.340%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	96192	48.609	ug/l	98
3) Chloromethane	1.294	50	110441	43.659	ug/l	99
4) Vinyl Chloride	1.374	62	113522	48.354	ug/l	98
5) Bromomethane	1.593	94	43728	45.689	ug/l	98
6) Chloroethane	1.666	64	38745	46.843	ug/l	96
7) Trichlorofluoromethane	1.861	101	140504	48.990	ug/l	100
8) Diethyl Ether	2.136	74	59968	45.254	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	100354	51.739	ug/l	97
10) Methyl Iodide	2.440	142	135379	48.310	ug/l	98
11) Tert butyl alcohol	3.014	59	122889	223.146	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	99213	50.054	ug/l	95
13) Acrolein	2.239	56	93394	216.855	ug/l	97
14) Allyl chloride	2.654	41	163297	47.632	ug/l	96
15) Acrylonitrile	3.062	53	262619	211.215	ug/l	100
16) Acetone	2.386	43	274914	234.636	ug/l	97
17) Carbon Disulfide	2.495	76	212014	51.153	ug/l	99
18) Methyl Acetate	2.703	43	136121	39.751	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	335598	44.520	ug/l	97
20) Methylene Chloride	2.782	84	111138	44.012	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	102634	49.012	ug/l	98
22) Diisopropyl ether	3.757	45	321130	45.317	ug/l	98
23) Vinyl Acetate	3.715	43	1362160	232.674	ug/l	99
24) 1,1-Dichloroethane	3.599	63	190272	46.716	ug/l	99
25) 2-Butanone	4.556	43	373244	218.384	ug/l	99
26) 2,2-Dichloropropane	4.464	77	170610	51.174	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	127185	47.546	ug/l	100
28) Bromochloromethane	4.891	49	85552	44.155	ug/l	99
29) Tetrahydrofuran	5.001	42	226140	203.602	ug/l	98
30) Chloroform	5.086	83	197102	46.165	ug/l	99
31) Cyclohexane	5.458	56	160445	51.504	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	175486	48.957	ug/l	99
36) 1,1-Dichloropropene	5.684	75	132757	51.976	ug/l	98
37) Ethyl Acetate	4.708	43	138087	44.531	ug/l	98
38) Carbon Tetrachloride	5.665	117	148021	52.449	ug/l	98
39) Methylcyclohexane	7.372	83	182236	57.467	ug/l	97
40) Benzene	6.025	78	423307	49.678	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043583.D
 Acq On : 29 Oct 2024 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:24:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	78897	48.472	ug/l	98
42) 1,2-Dichloroethane	6.080	62	143431	46.823	ug/l	99
43) Isopropyl Acetate	6.336	43	234002	45.631	ug/l	98
44) Trichloroethene	7.116	130	111507	52.676	ug/l	91
45) 1,2-Dichloropropane	7.427	63	103879	49.511	ug/l	100
46) Dibromomethane	7.574	93	77712	48.105	ug/l	98
47) Bromodichloromethane	7.818	83	146531	51.705	ug/l	97
48) Methyl methacrylate	7.689	41	113890	46.843	ug/l	97
49) 1,4-Dioxane	7.665	88	47931m	959.544	ug/l	
51) 4-Methyl-2-Pentanone	8.573	43	716488	229.232	ug/l	99
52) Toluene	8.714	92	271357	52.511	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	155688	51.148	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	170511	52.575	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	104415	48.542	ug/l	99
56) Ethyl methacrylate	9.116	69	171964	49.201	ug/l	96
57) 1,3-Dichloropropane	9.305	76	176717	49.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	369838	218.483	ug/l	97
59) 2-Hexanone	9.433	43	559686	235.767	ug/l	98
60) Dibromochloromethane	9.518	129	113810	53.432	ug/l	100
61) 1,2-Dibromoethane	9.604	107	109821	49.183	ug/l	97
64) Tetrachloroethene	9.268	164	92204	52.901	ug/l	98
65) Chlorobenzene	10.079	112	302575	50.750	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	103710	53.255	ug/l	99
67) Ethyl Benzene	10.189	91	515530	53.028	ug/l	99
68) m/p-Xylenes	10.299	106	401855	108.089	ug/l	97
69) o-Xylene	10.640	106	196198	52.523	ug/l	99
70) Styrene	10.652	104	336072	54.130	ug/l	99
71) Bromoform	10.799	173	73381	52.407	ug/l #	98
73) Isopropylbenzene	10.963	105	507198	52.592	ug/l	99
74) N-amyl acetate	10.841	43	216499	46.083	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	160157	46.182	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	131796m	45.276	ug/l	
77) Bromobenzene	11.195	156	126219	50.686	ug/l	98
78) n-propylbenzene	11.305	91	571565	54.356	ug/l	100
79) 2-Chlorotoluene	11.360	91	350419	50.257	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	427235	53.132	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	52521	49.635	ug/l	94
82) 4-Chlorotoluene	11.451	91	399821	51.088	ug/l	97
83) tert-Butylbenzene	11.713	119	436382	53.361	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	437441	53.380	ug/l	99
85) sec-Butylbenzene	11.890	105	528903	55.177	ug/l	99
86) p-Isopropyltoluene	12.006	119	451954	55.469	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	232425	52.073	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	230728	49.888	ug/l	99
89) n-Butylbenzene	12.329	91	387771	58.406	ug/l	99
90) Hexachloroethane	12.536	117	75311	56.903	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	231234	50.664	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	31951	45.194	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	148966	53.771	ug/l	97
94) Hexachlorobutadiene	13.725	225	58808	57.574	ug/l	99
95) Naphthalene	13.774	128	532111	50.193	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	152724	52.286	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

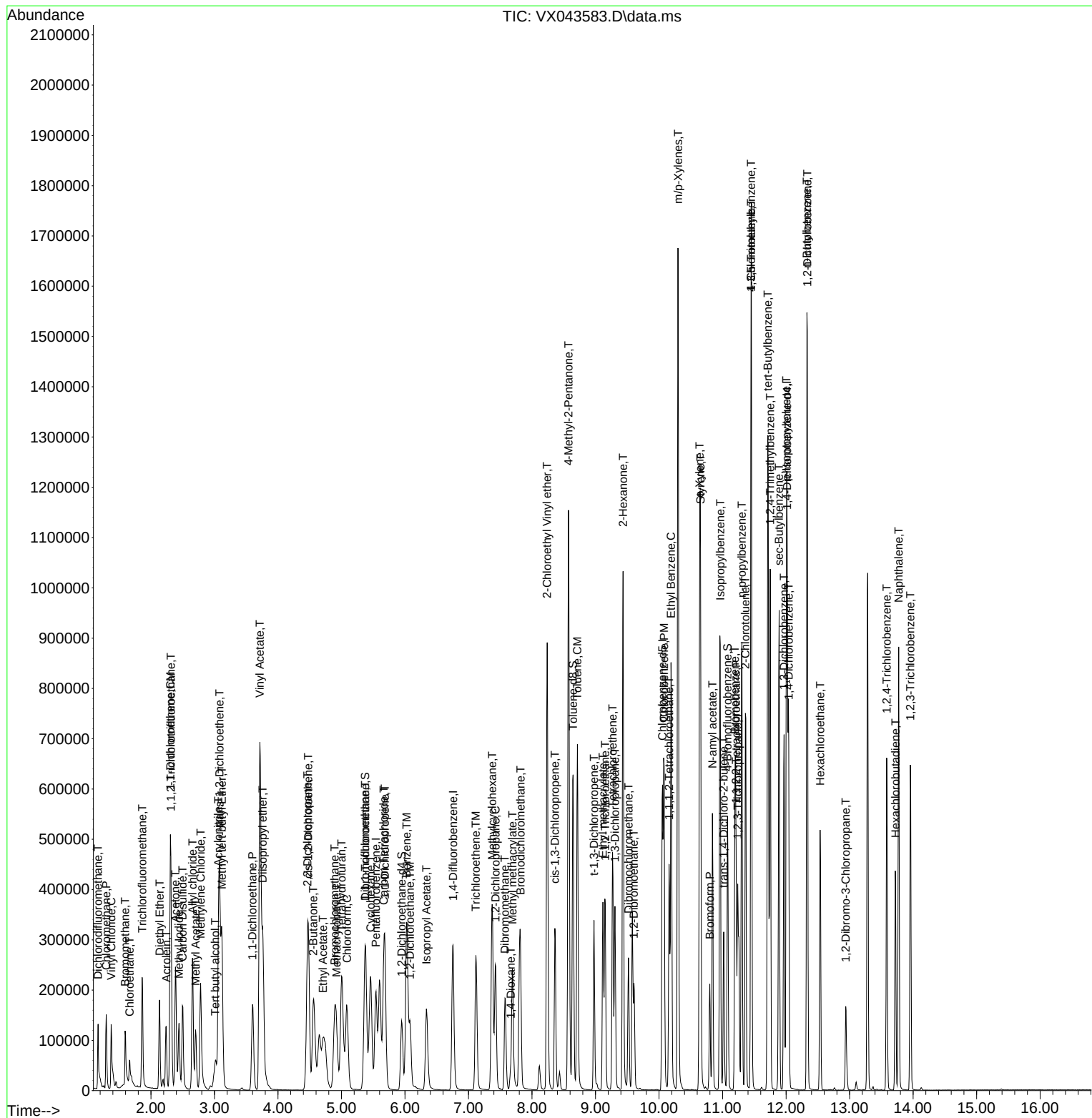
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043583.D
 Acq On : 29 Oct 2024 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

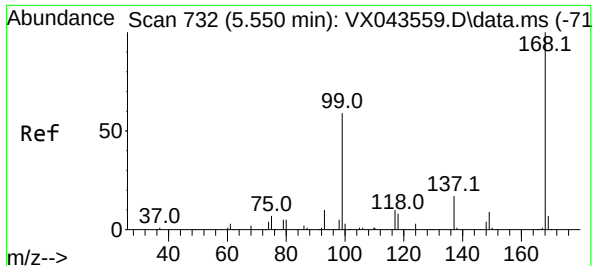
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:24:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration





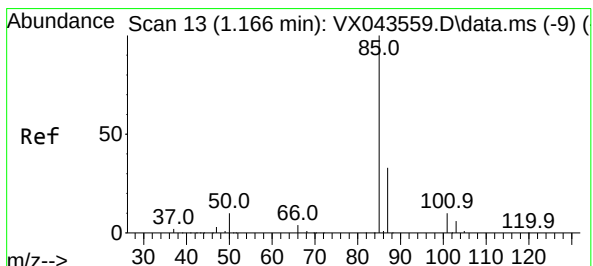
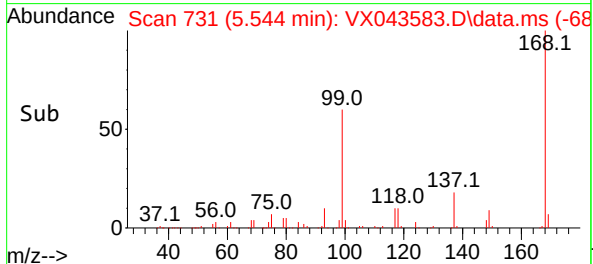
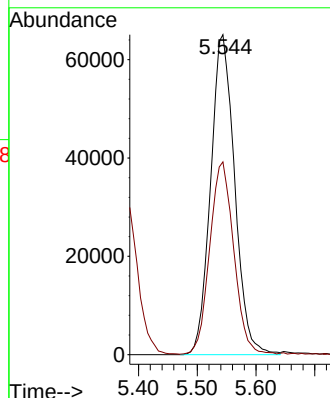
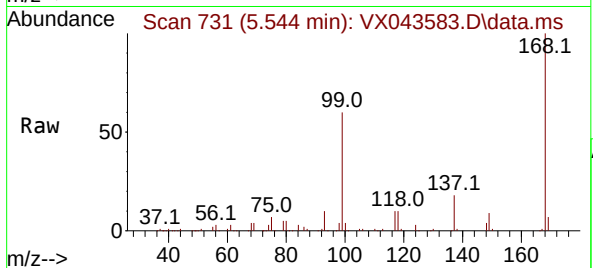
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 185040
Ion Ratio Lower Upper
168 100
99 60.1 52.6 78.8

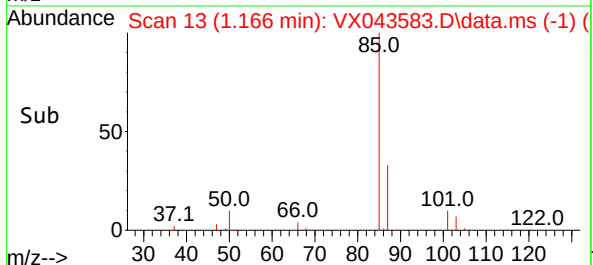
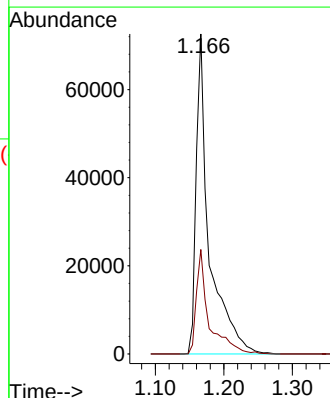
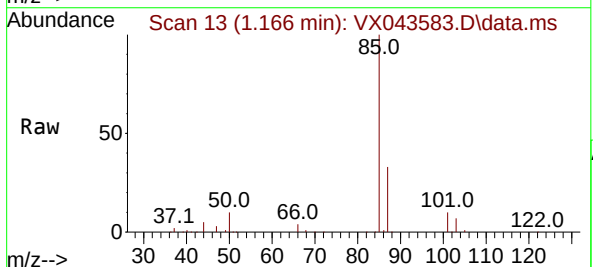
Manual Integrations
APPROVED

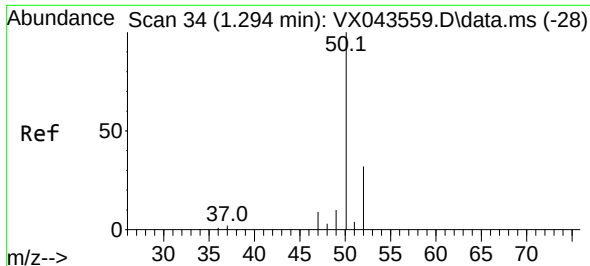
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#2
Dichlorodifluoromethane
Concen: 48.609 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 85 Resp: 96192
Ion Ratio Lower Upper
85 100
87 32.6 15.7 47.0





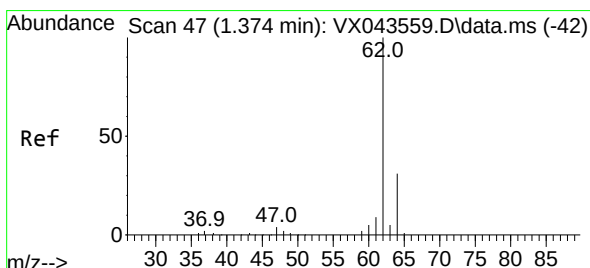
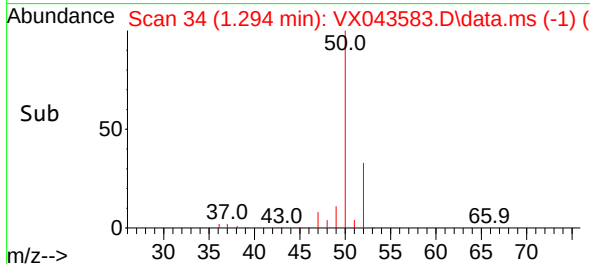
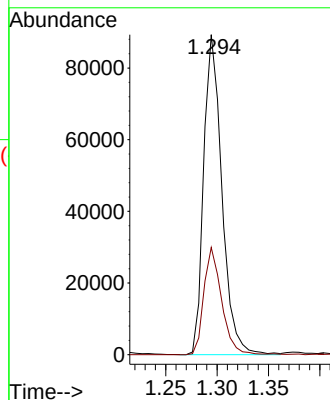
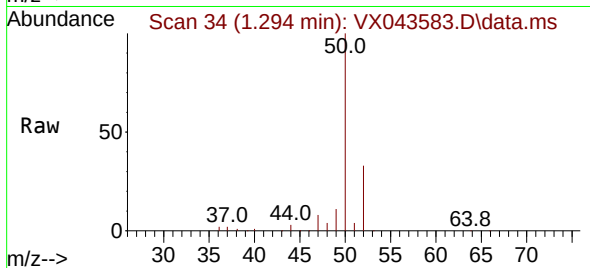
#3
Chloromethane
Concen: 43.659 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 11044
Ion Ratio Lower Upper
50 100
52 33.5 26.3 39.5

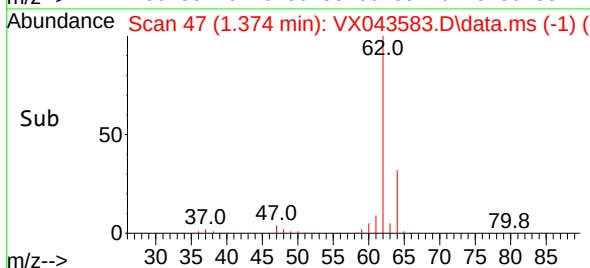
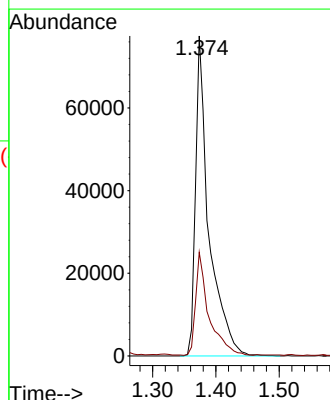
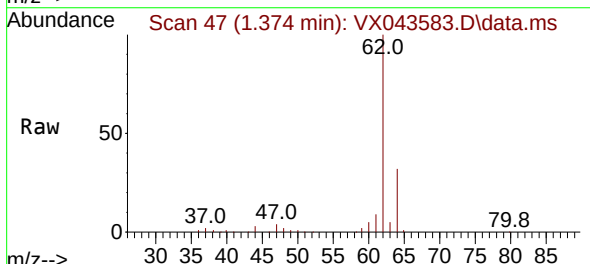
Manual Integrations
APPROVED

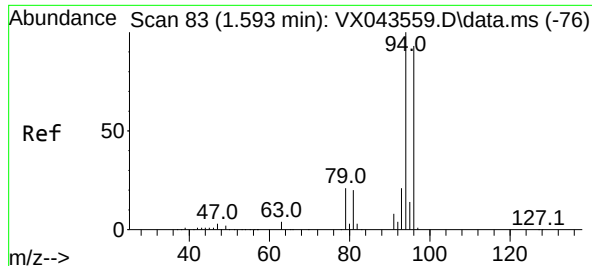
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#4
Vinyl Chloride
Concen: 48.354 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 62 Resp: 113522
Ion Ratio Lower Upper
62 100
64 32.1 25.0 37.4





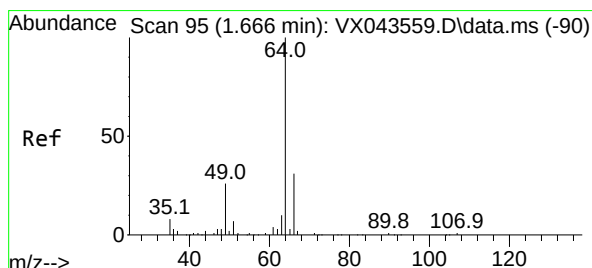
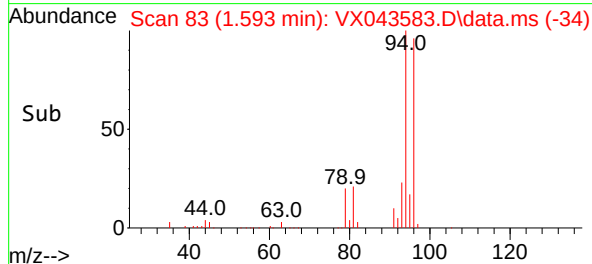
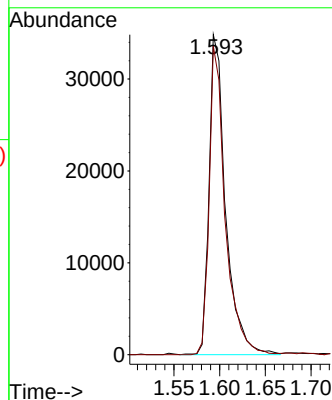
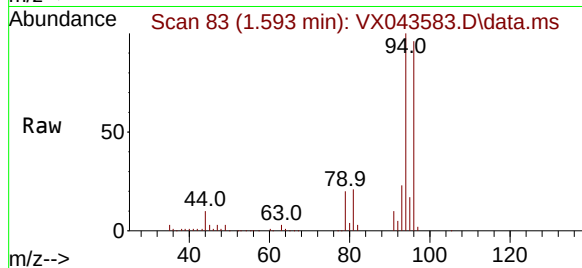
#5
Bromomethane
Concen: 45.689 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 43728
Ion Ratio Lower Upper
94 100
96 96.4 75.9 113.9

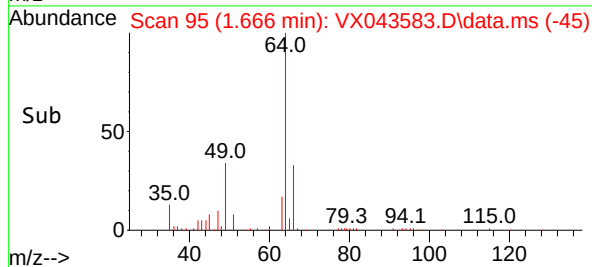
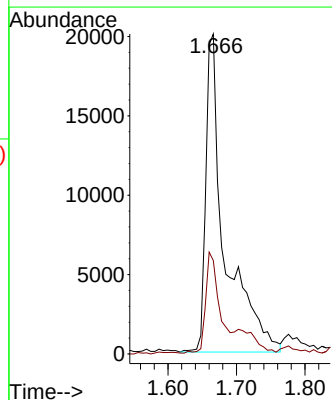
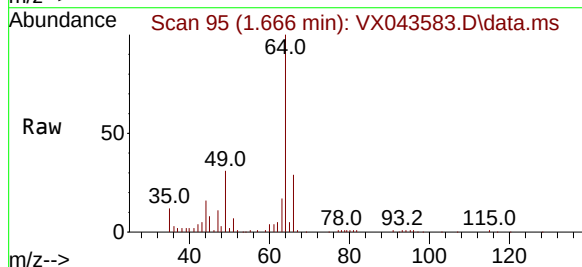
Manual Integrations
APPROVED

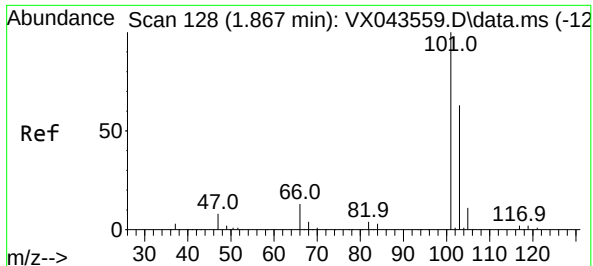
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#6
Chloroethane
Concen: 46.843 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

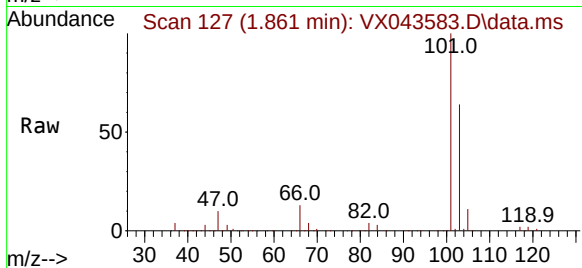
Tgt Ion: 64 Resp: 38745
Ion Ratio Lower Upper
64 100
66 29.1 25.1 37.7





#7
Trichlorofluoromethane
Concen: 48.990 ug/l
RT: 1.861 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

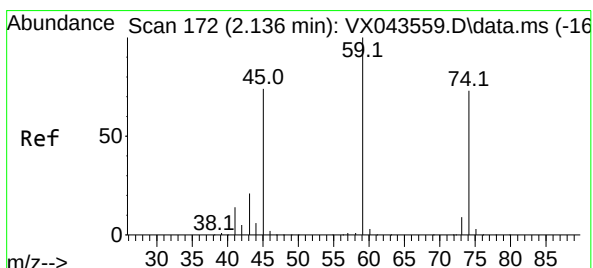
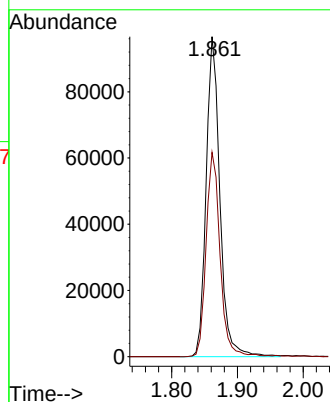
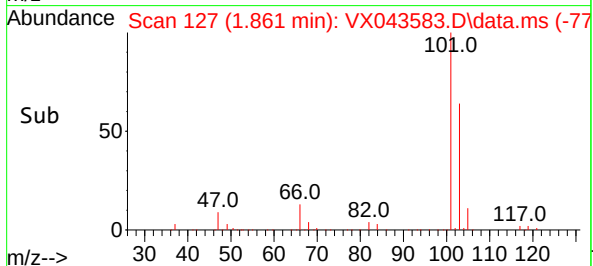
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 140504
Ion Ratio Lower Upper
101 100
103 63.8 51.3 76.9

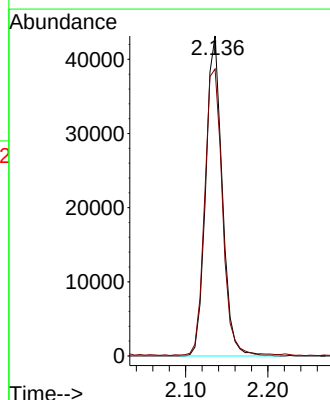
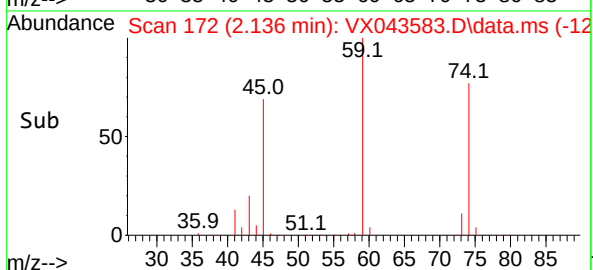
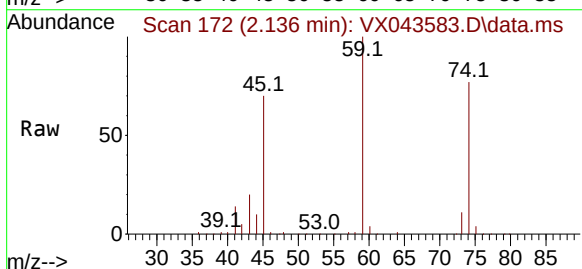
Manual Integrations
APPROVED

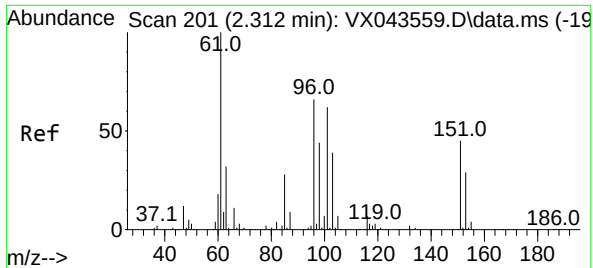
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#8
Diethyl Ether
Concen: 45.254 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 74 Resp: 59968
Ion Ratio Lower Upper
74 100
45 96.9 47.5 142.5





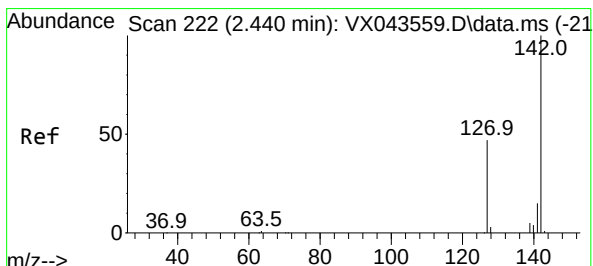
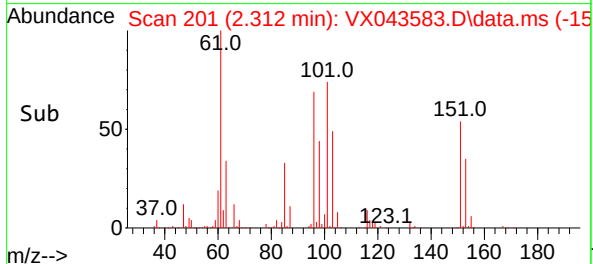
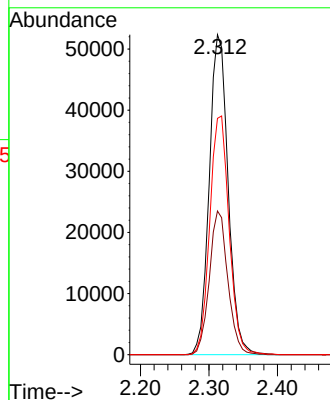
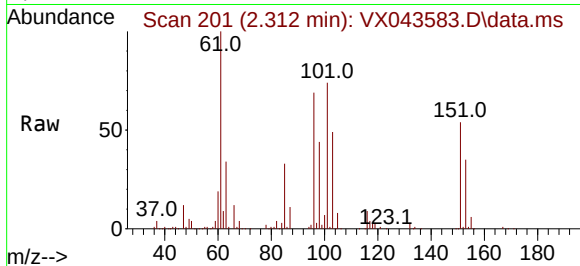
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.739 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 100354
Ion Ratio Lower Upper
101 100
85 44.0 34.5 51.7
151 76.5 58.2 87.2

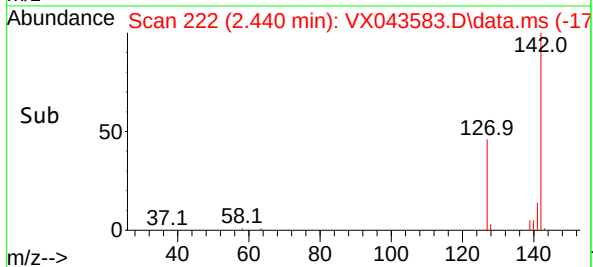
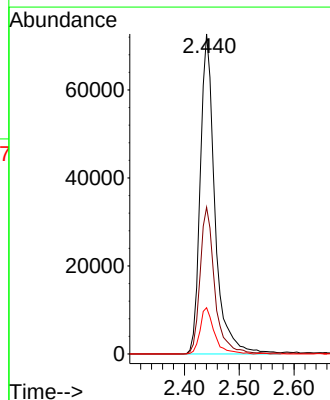
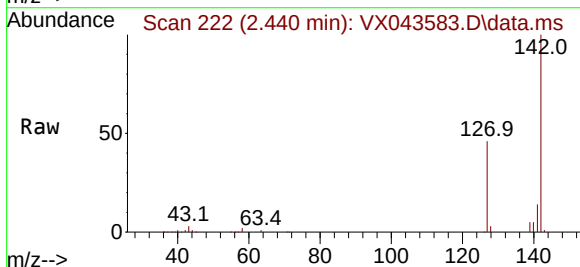
Manual Integrations
APPROVED

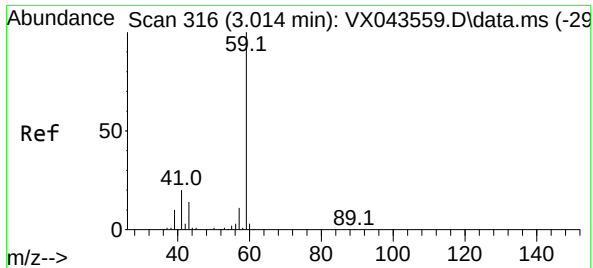
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#10
Methyl Iodide
Concen: 48.310 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:142 Resp: 135379
Ion Ratio Lower Upper
142 100
127 45.8 38.2 57.4
141 14.1 11.5 17.3





#11

Tert butyl alcohol

Concen: 223.146 ug/l

RT: 3.014 min Scan# 316

Delta R.T. -0.036 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 122889

Ion Ratio Lower Upper

59 100

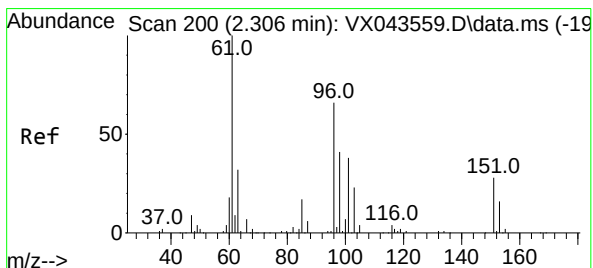
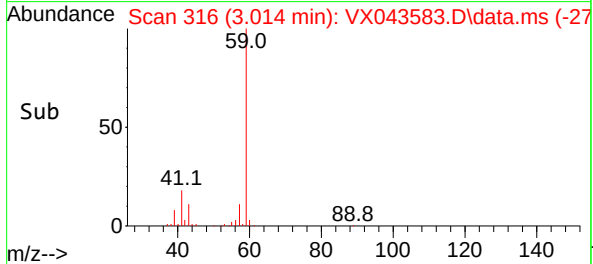
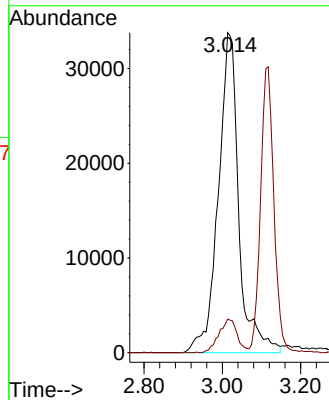
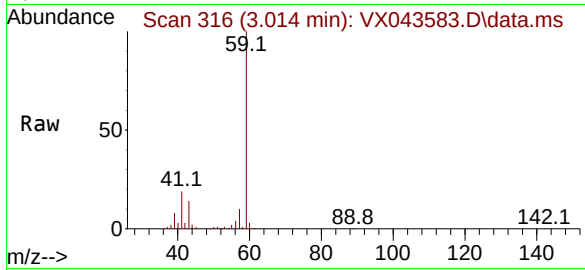
57 9.4 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#12

1,1-Dichloroethene

Concen: 50.054 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

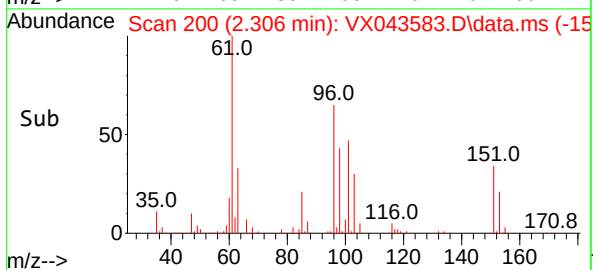
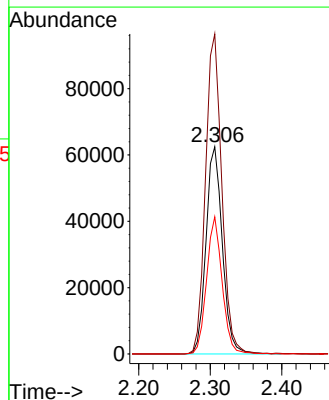
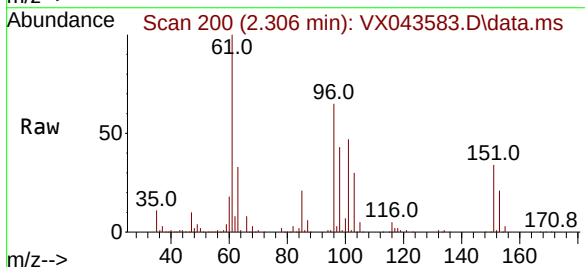
Tgt Ion: 96 Resp: 99213

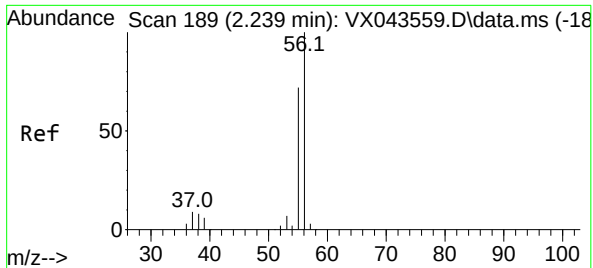
Ion Ratio Lower Upper

96 100

61 154.4 130.2 195.4

98 66.2 51.0 76.6





#13

Acrolein

Concen: 216.855 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 93394

Ion Ratio Lower Upper

56 100

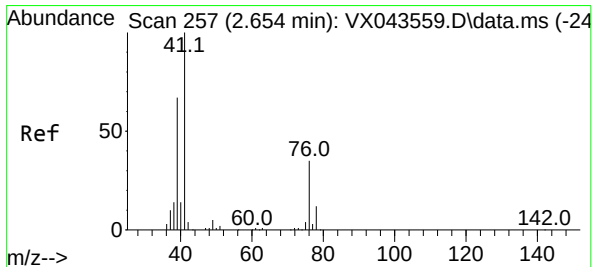
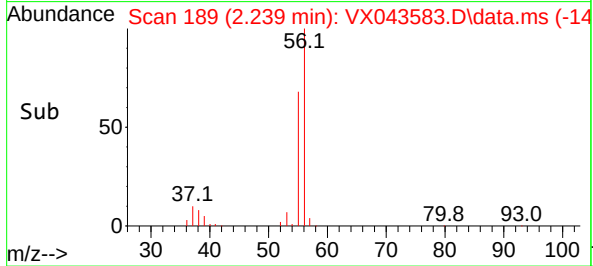
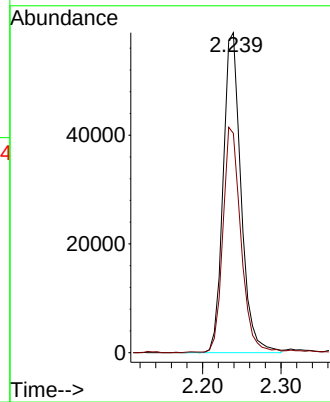
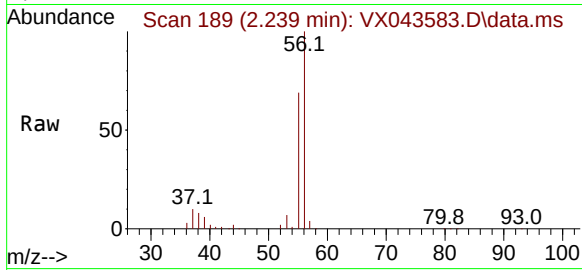
55 71.5 55.3 82.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#14

Allyl chloride

Concen: 47.632 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

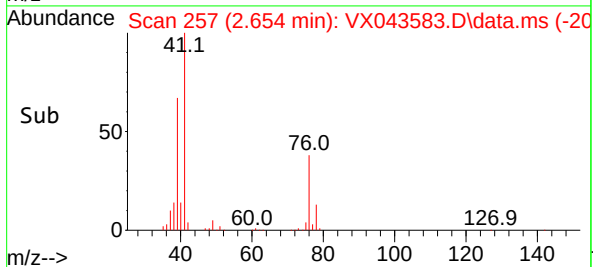
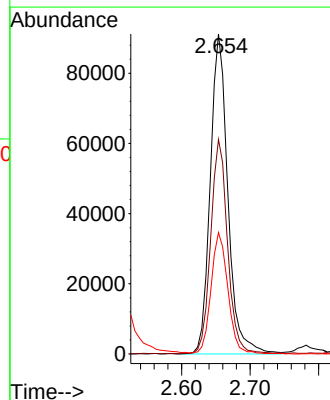
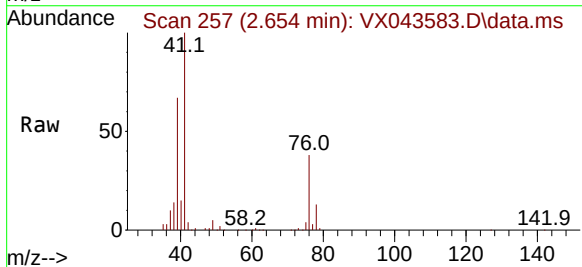
Tgt Ion: 41 Resp: 163297

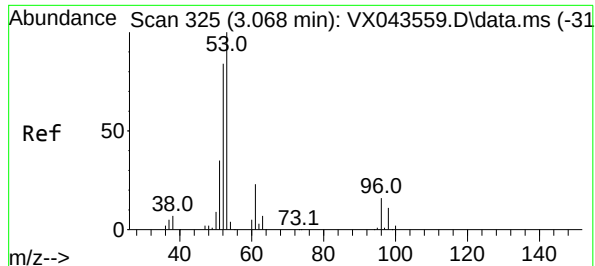
Ion Ratio Lower Upper

41 100

39 63.9 53.2 79.8

76 36.5 27.0 40.6





#15

Acrylonitrile

Concen: 211.215 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.012 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 262619

Ion Ratio Lower Upper

53 100

52 82.5 65.8 98.6

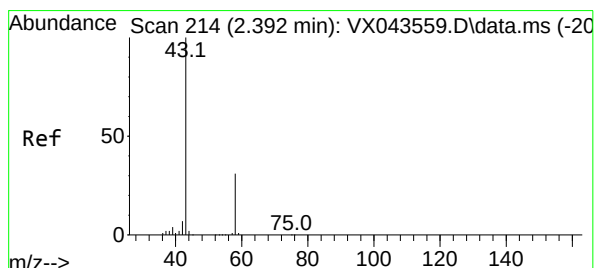
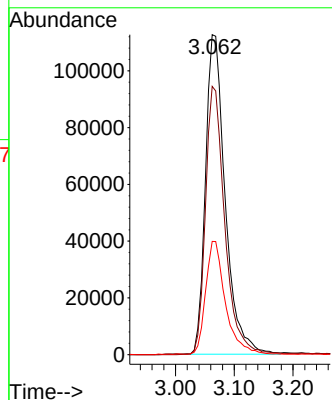
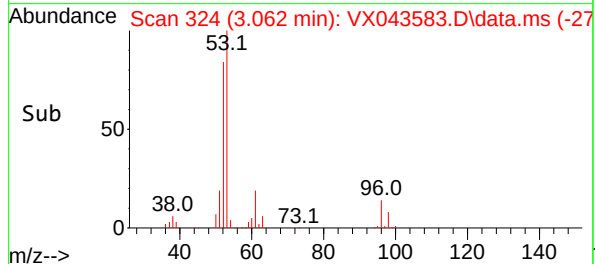
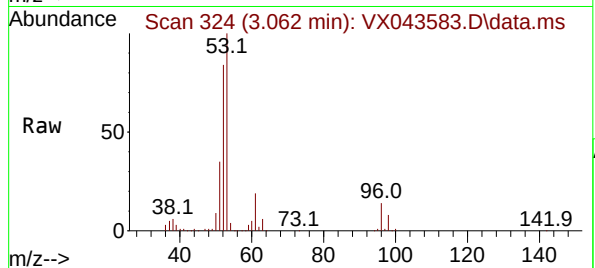
51 35.3 28.5 42.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#16

Acetone

Concen: 234.636 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX043583.D

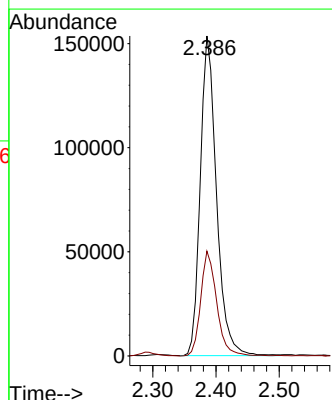
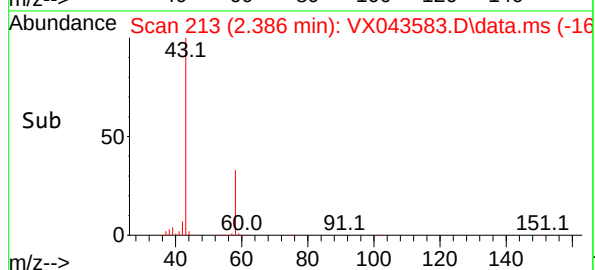
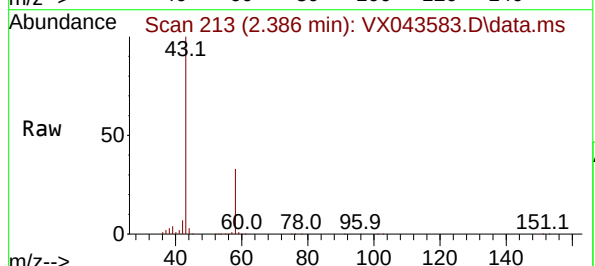
Acq: 29 Oct 2024 09:29

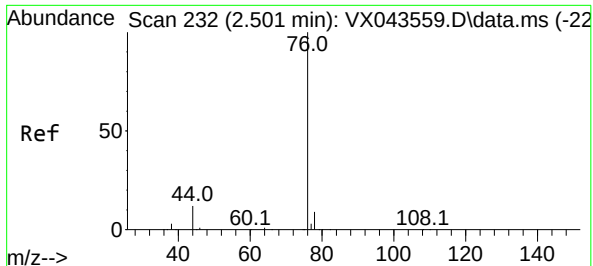
Tgt Ion: 43 Resp: 274914

Ion Ratio Lower Upper

43 100

58 32.8 25.1 37.7





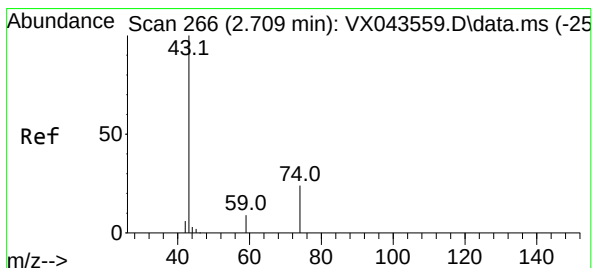
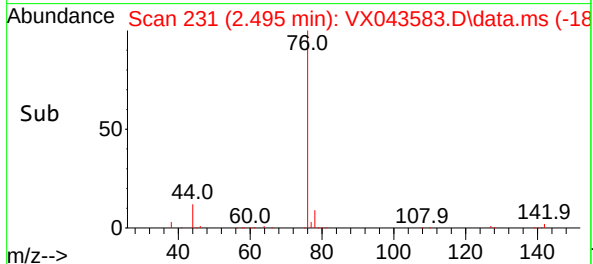
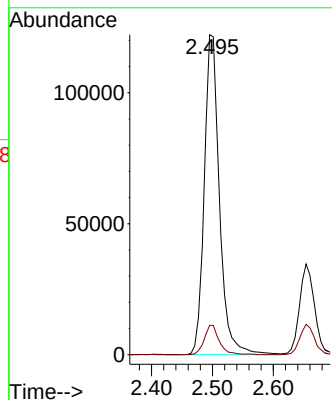
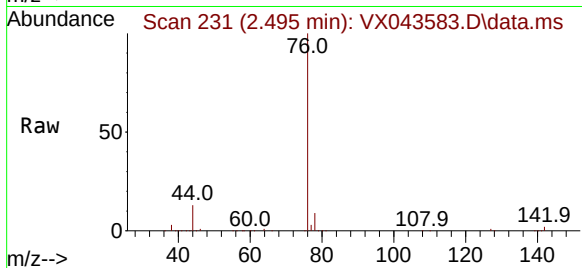
#17
Carbon Disulfide
Concen: 51.153 ug/l
RT: 2.495 min Scan# 212014
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 212014
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

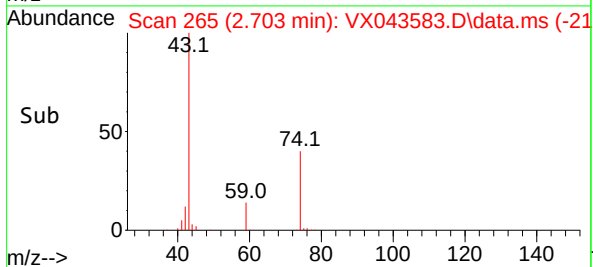
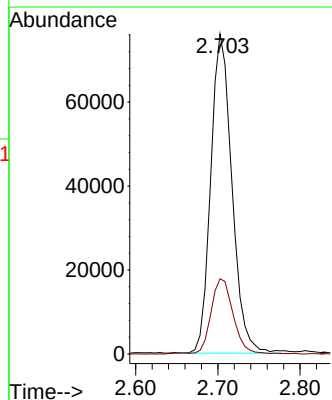
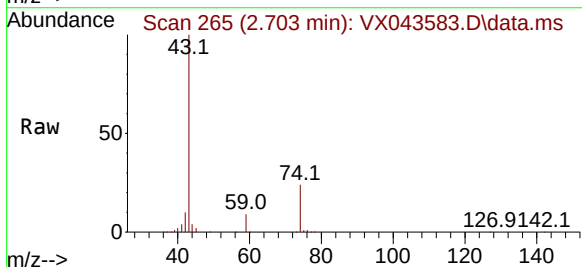
Manual Integrations
APPROVED

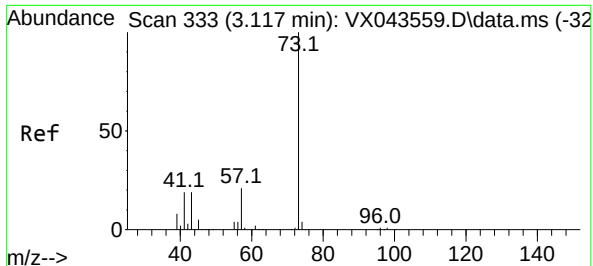
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#18
Methyl Acetate
Concen: 39.751 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 43 Resp: 136121
Ion Ratio Lower Upper
43 100
74 24.6 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 44.520 ug/l

RT: 3.117 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 335598

Ion Ratio Lower Upper

73 100

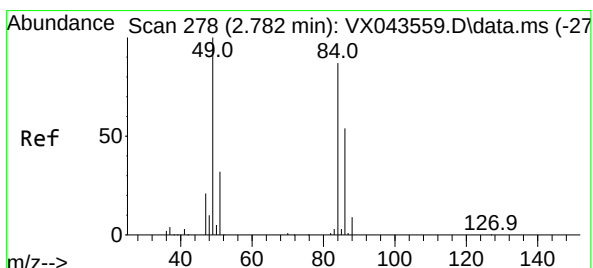
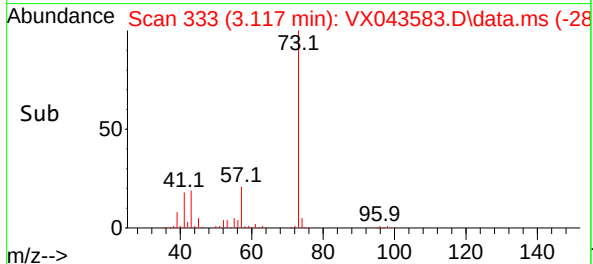
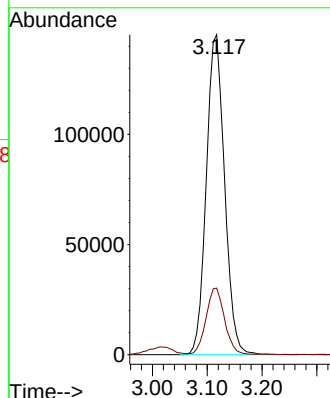
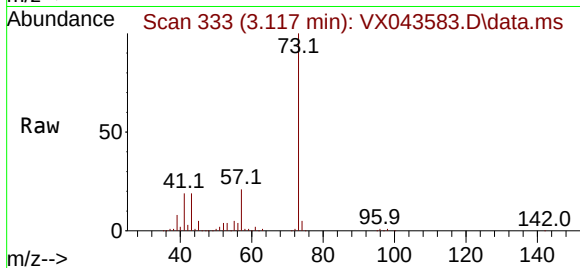
57 20.7 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#20

Methylene Chloride

Concen: 44.012 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Tgt Ion: 84 Resp: 111138

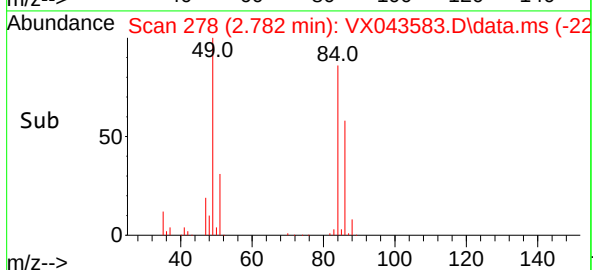
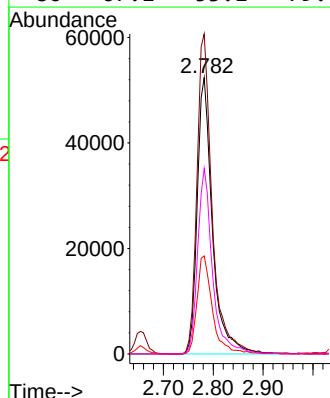
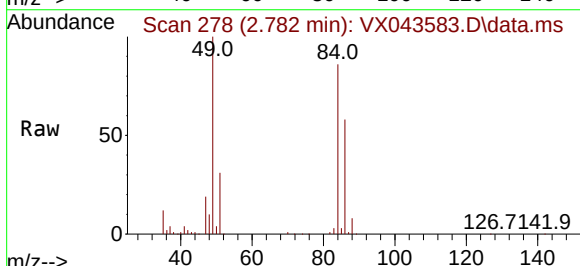
Ion Ratio Lower Upper

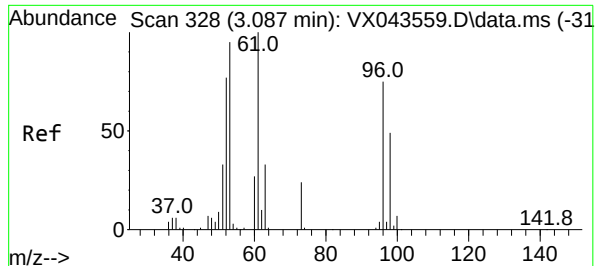
84 100

49 115.8 97.0 145.6

51 35.5 29.8 44.8

86 67.1 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 49.012 ug/l

RT: 3.081 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 102634

Ion Ratio Lower Upper

96 100

61 134.0 107.1 160.7

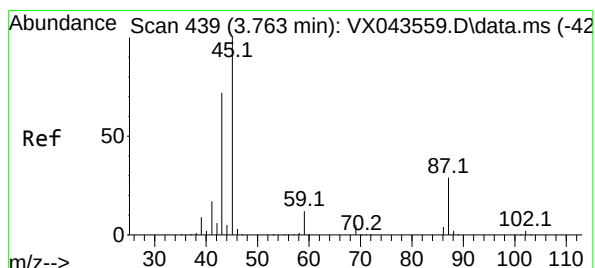
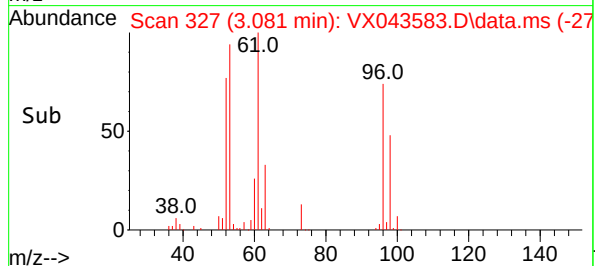
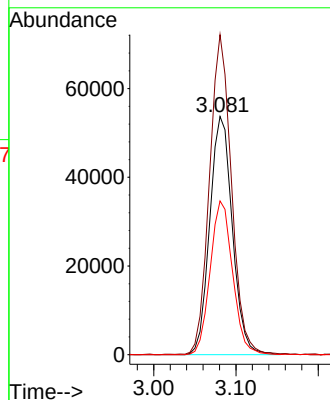
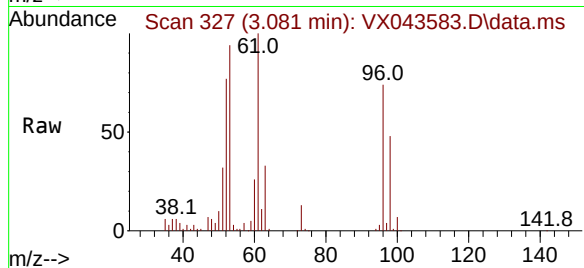
98 64.5 47.7 71.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#22

Diisopropyl ether

Concen: 45.317 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Tgt Ion: 45 Resp: 321130

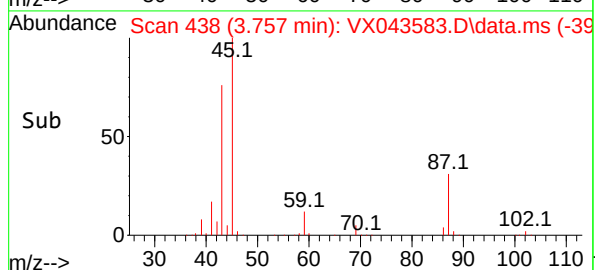
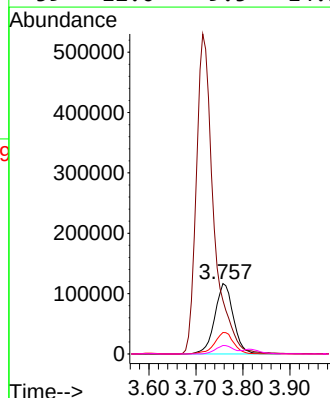
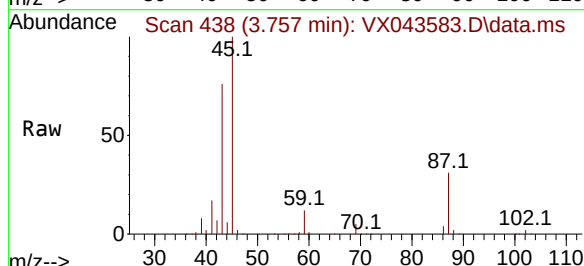
Ion Ratio Lower Upper

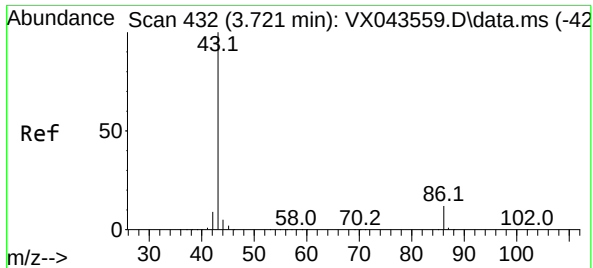
45 100

43 76.1 60.6 90.8

87 30.6 22.0 33.0

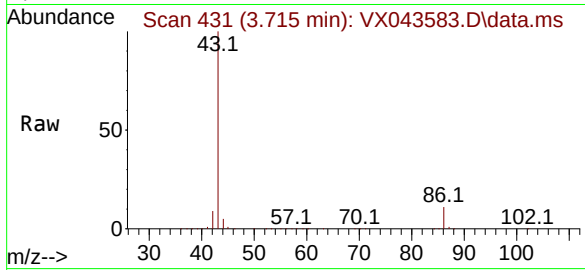
59 12.0 9.5 14.3





#23
Vinyl Acetate
Concen: 232.674 ug/l
RT: 3.715 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

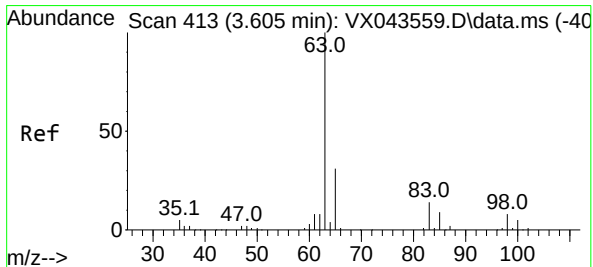
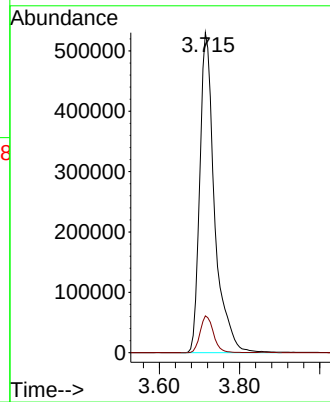
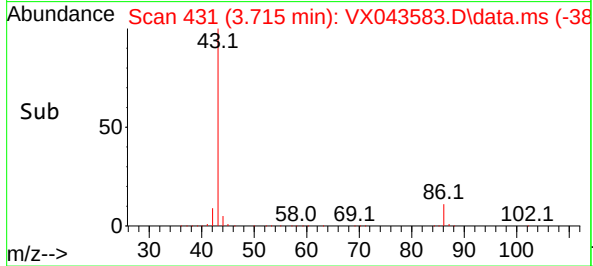
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 1362160
Ion Ratio Lower Upper
43 100
86 11.5 9.0 13.4

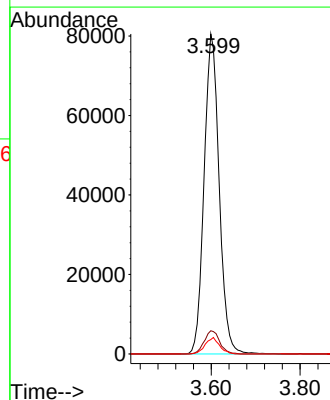
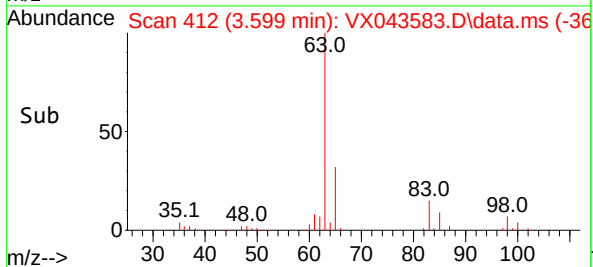
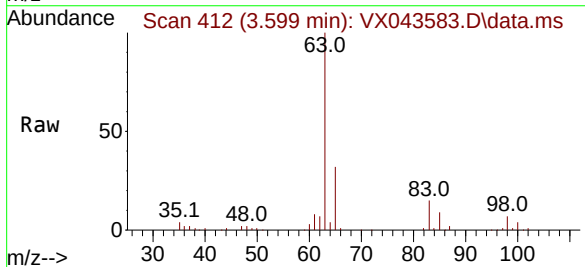
Manual Integrations
APPROVED

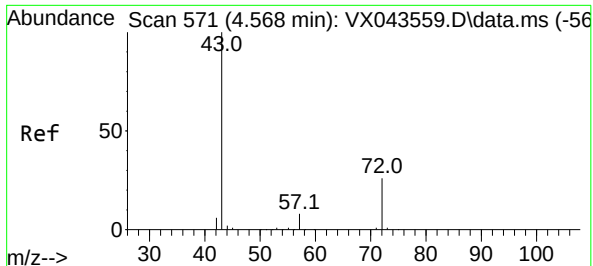
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#24
1,1-Dichloroethane
Concen: 46.716 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 63 Resp: 190272
Ion Ratio Lower Upper
63 100
98 7.3 3.5 10.4
100 4.5 2.4 7.2





#25

2-Butanone

Concen: 218.384 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.012 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 37324

Ion Ratio Lower Upper

43

100

72

25.7

21.1

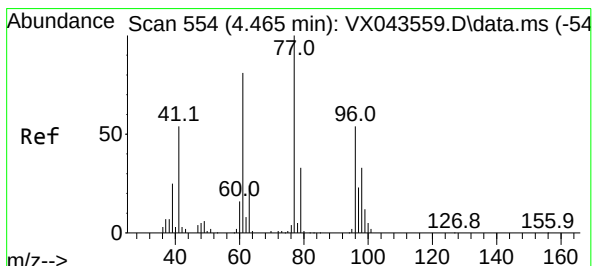
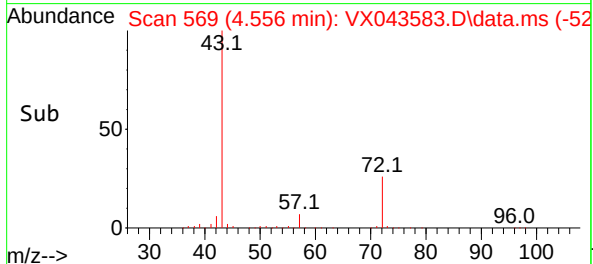
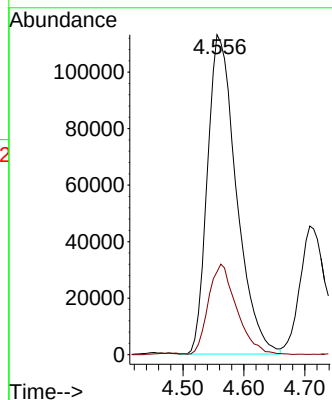
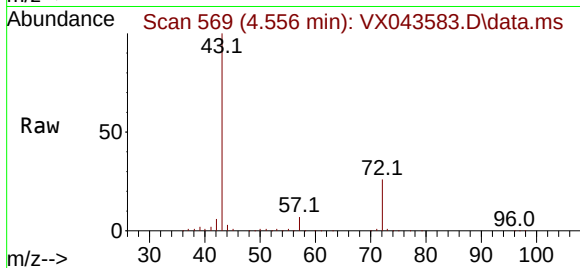
31.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#26

2,2-Dichloropropane

Concen: 51.174 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Tgt Ion: 77 Resp: 170610

Ion Ratio Lower Upper

77

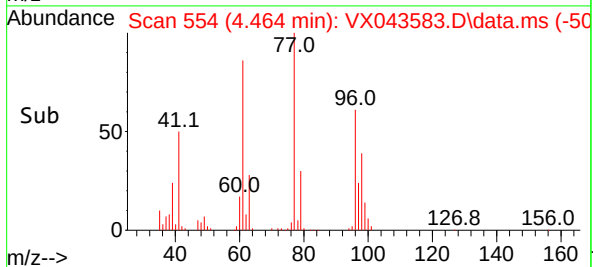
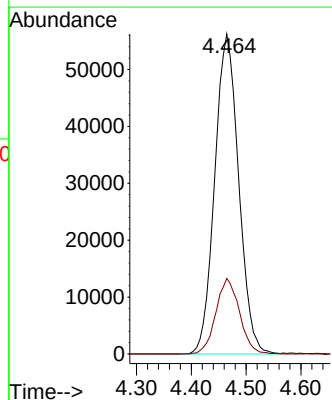
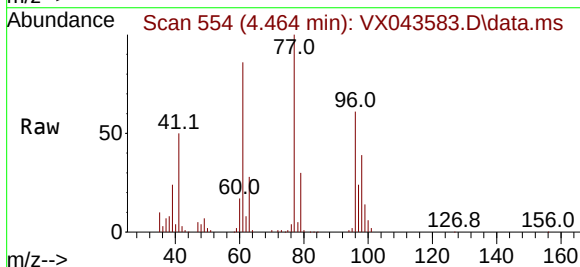
100

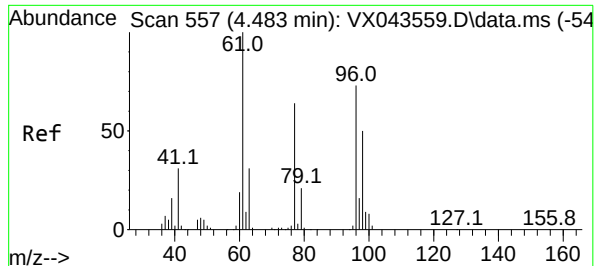
97

23.2

11.6

34.8





#27

cis-1,2-Dichloroethene

Concen: 47.546 ug/l

RT: 4.477 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 12718

Ion Ratio Lower Upper

96 100

61 138.0 0.0 277.2

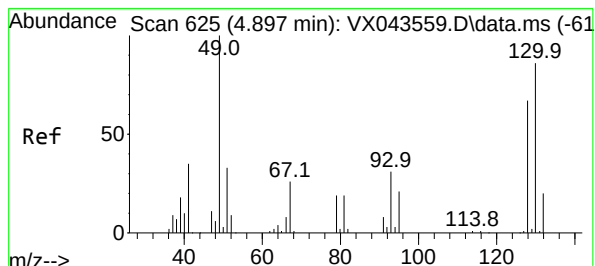
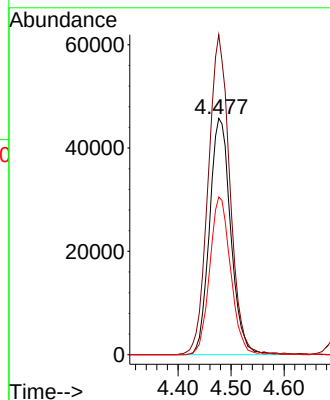
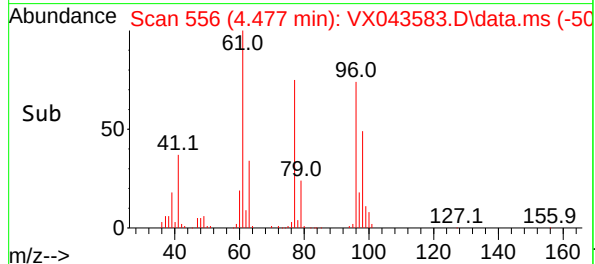
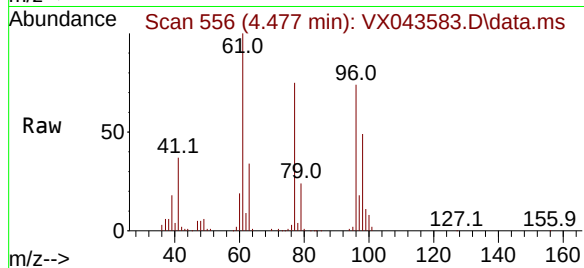
98 65.9 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#28

Bromochloromethane

Concen: 44.155 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

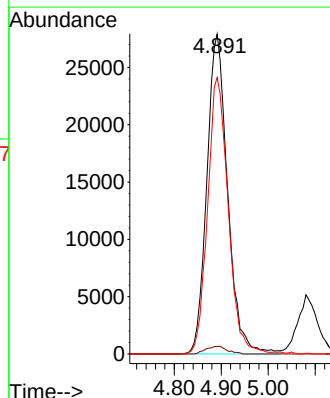
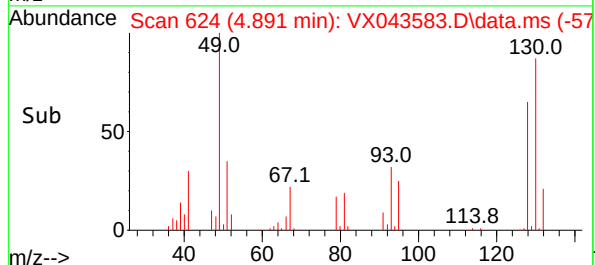
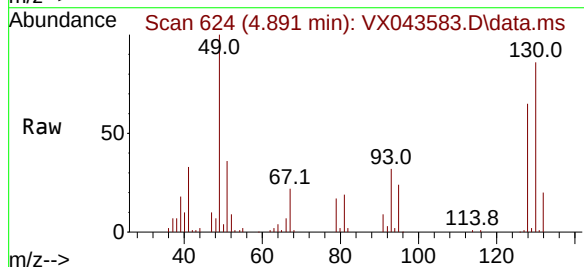
Tgt Ion: 49 Resp: 85552

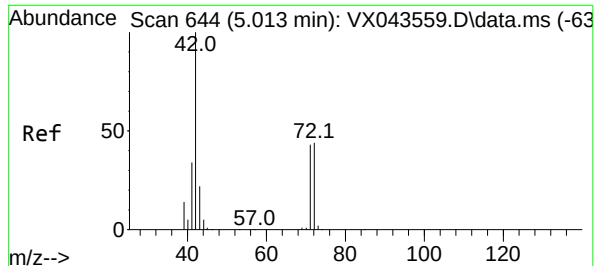
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

130 85.5 67.8 101.8





#29

Tetrahydrofuran

Concen: 203.602 ug/l

RT: 5.001 min Scan# 644

Delta R.T. -0.012 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 226140

Ion Ratio Lower Upper

42 100

72 47.5 36.6 55.0

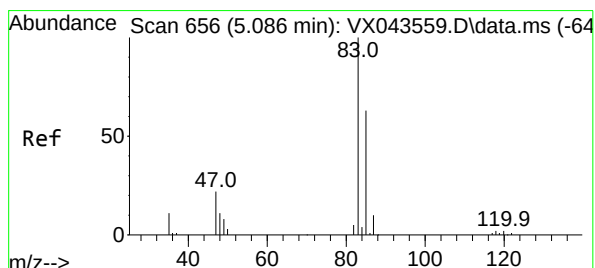
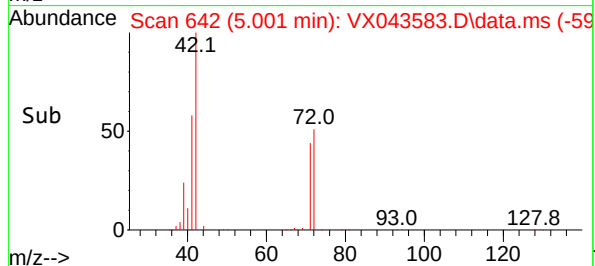
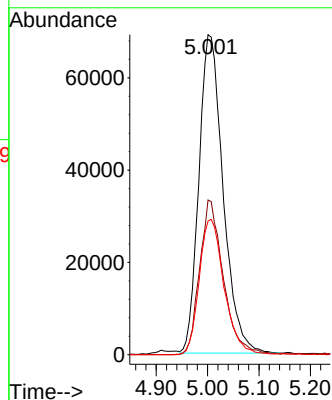
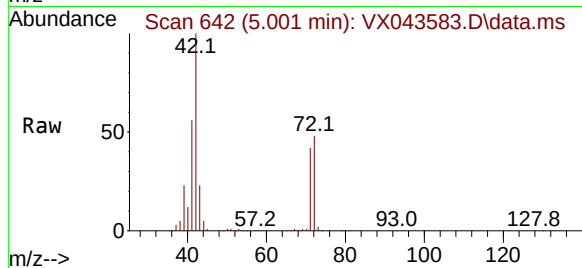
71 43.6 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#30

Chloroform

Concen: 46.165 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX043583.D

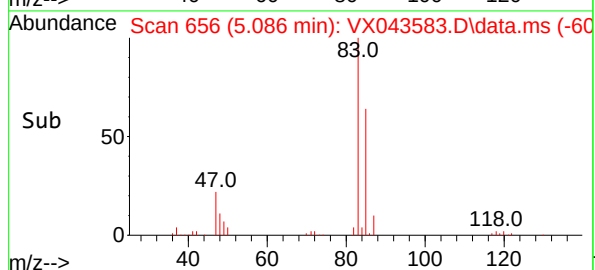
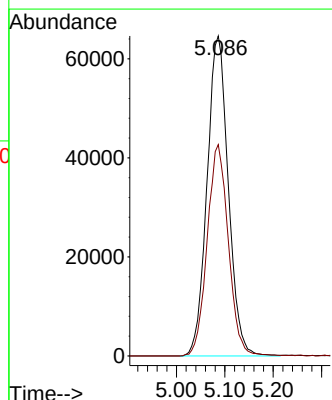
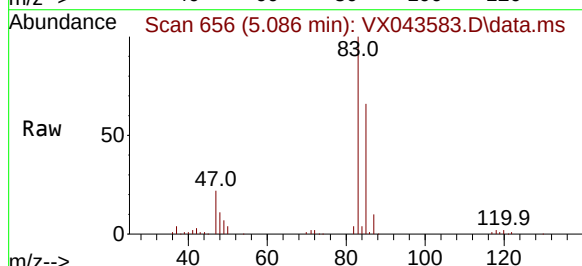
Acq: 29 Oct 2024 09:29

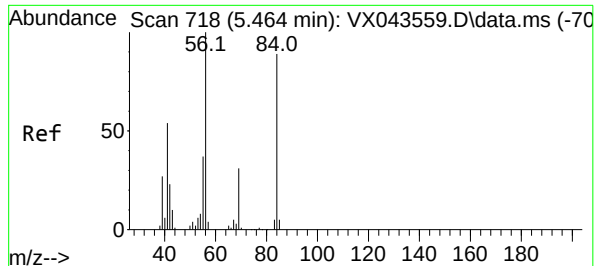
Tgt Ion: 83 Resp: 197102

Ion Ratio Lower Upper

83 100

85 66.1 52.2 78.4





#31

Cyclohexane

Concen: 51.504 ug/l

RT: 5.458 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX043583.D

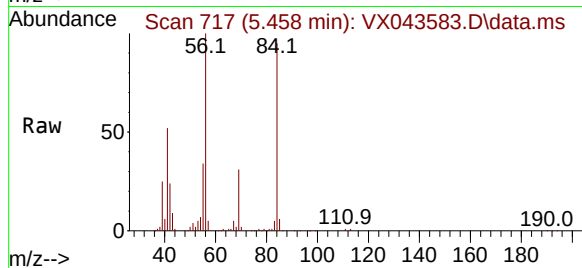
Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 56 Resp: 16044

Ion Ratio Lower Upper

56 100

69 31.1 24.9 37.3

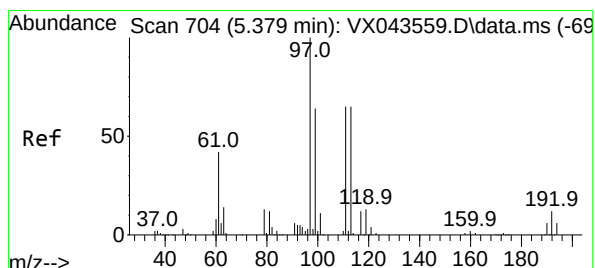
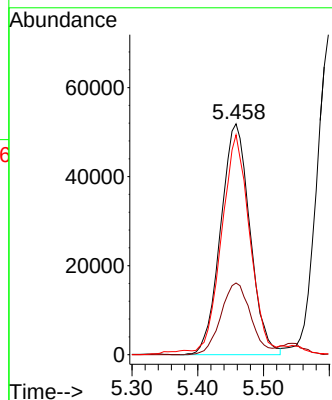
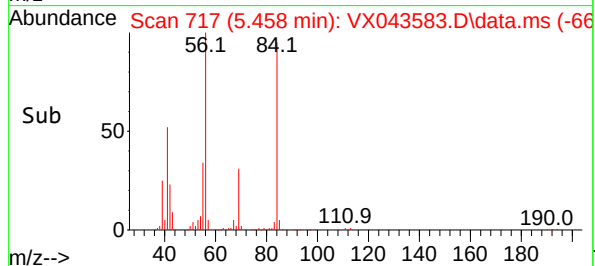
84 93.6 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#32

1,1,1-Trichloroethane

Concen: 48.957 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

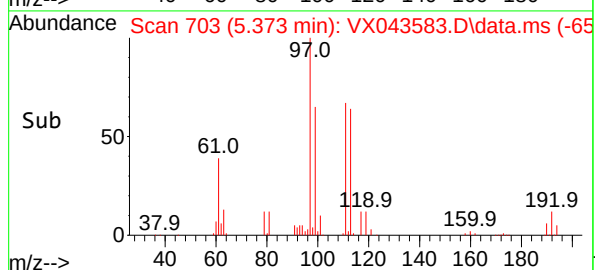
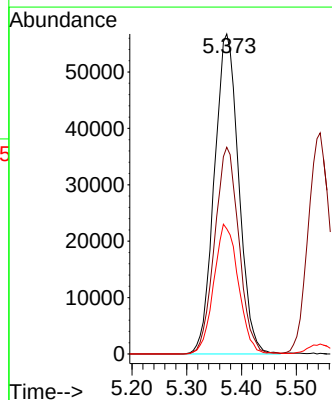
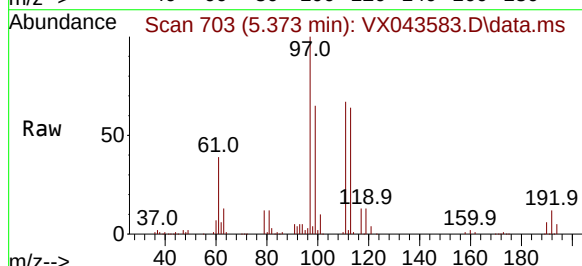
Tgt Ion: 97 Resp: 175486

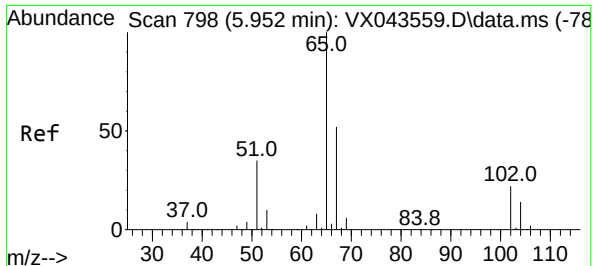
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

61 41.0 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 44.394 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 130985

Ion Ratio Lower Upper

65 100

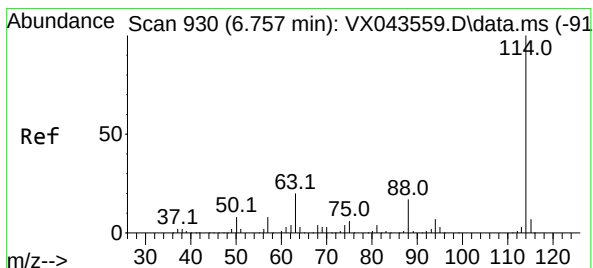
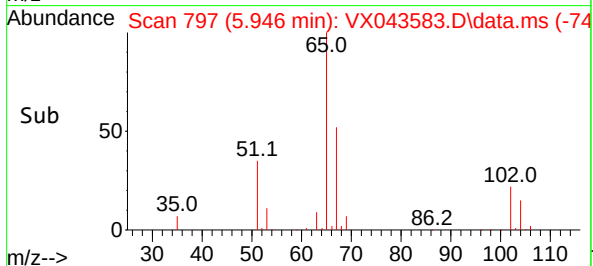
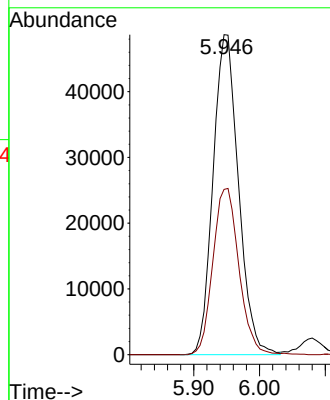
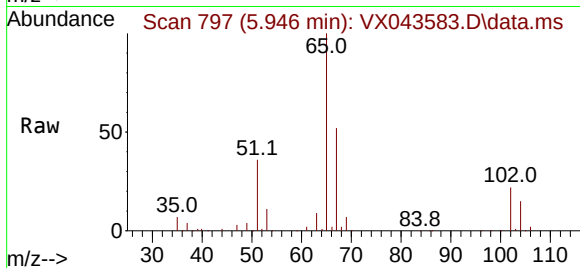
67 53.3 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

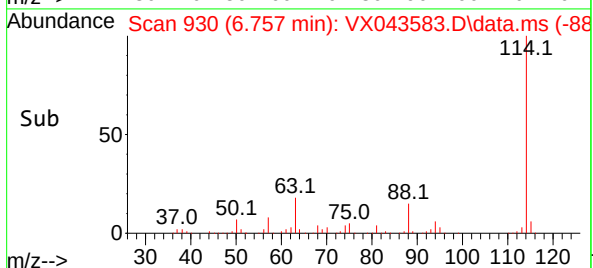
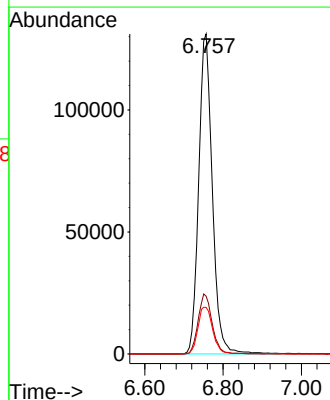
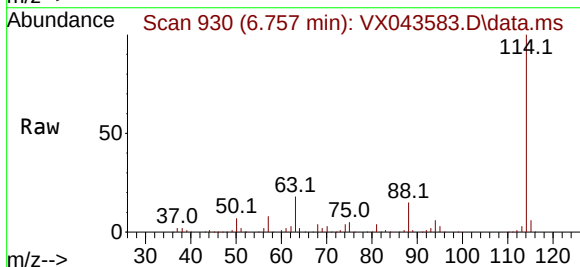
Tgt Ion:114 Resp: 317661

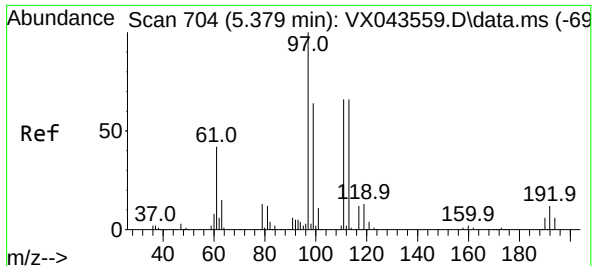
Ion Ratio Lower Upper

114 100

63 18.1 0.0 41.2

88 14.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.941 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.012 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 109730

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

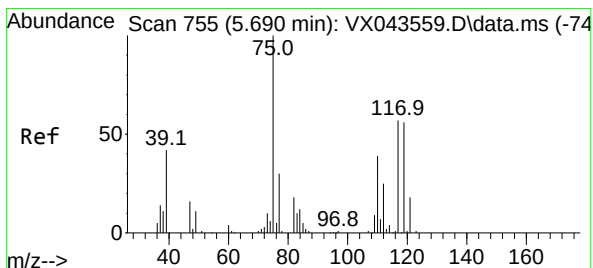
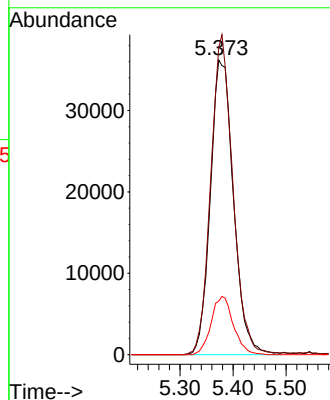
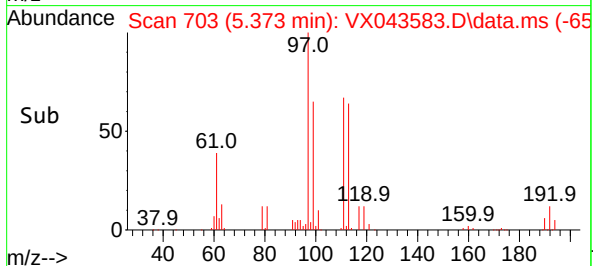
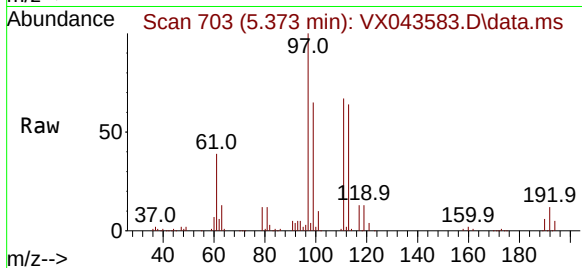
192 19.0 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#36

1,1-Dichloropropene

Concen: 51.976 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

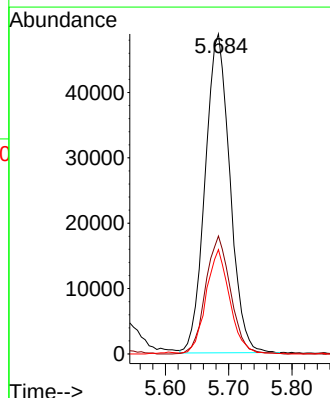
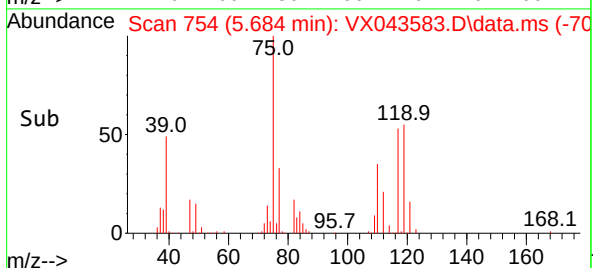
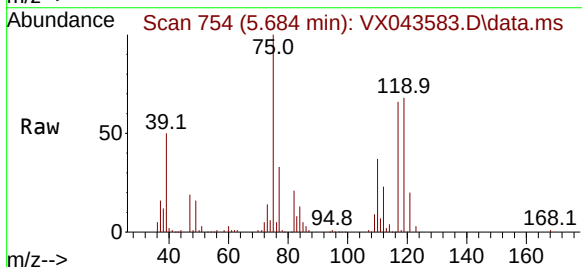
Tgt Ion: 75 Resp: 132757

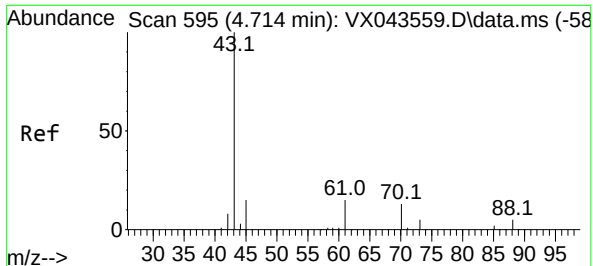
Ion Ratio Lower Upper

75 100

110 37.3 17.9 53.7

77 31.5 25.0 37.4





#37

Ethyl Acetate

Concen: 44.531 ug/l

RT: 4.708 min Scan# 594

Delta R.T. -0.012 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 13808

Ion Ratio Lower Upper

43 100

61 14.7 11.0 16.6

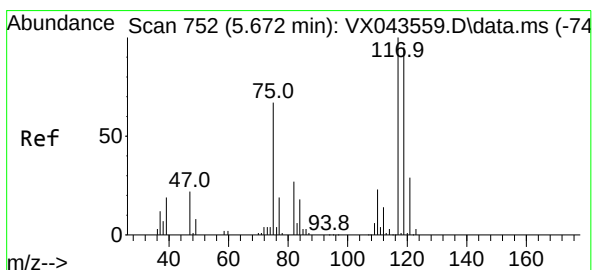
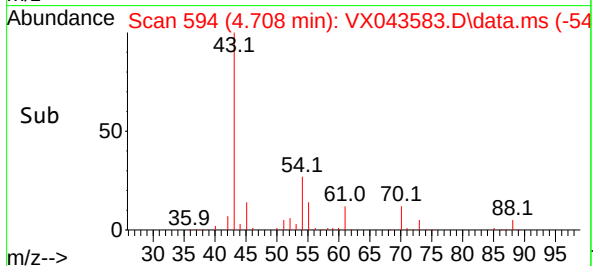
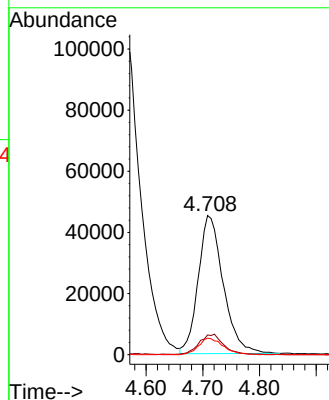
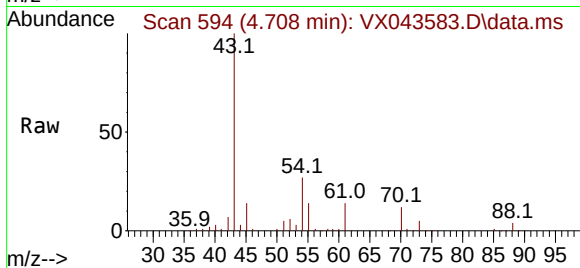
70 11.8 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#38

Carbon Tetrachloride

Concen: 52.449 ug/l

RT: 5.665 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

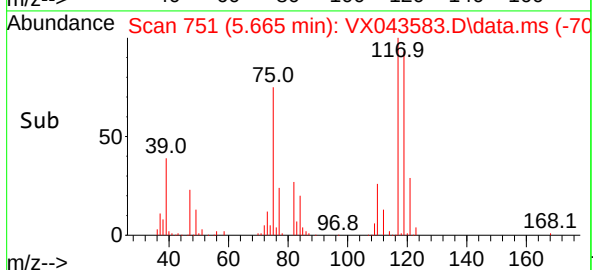
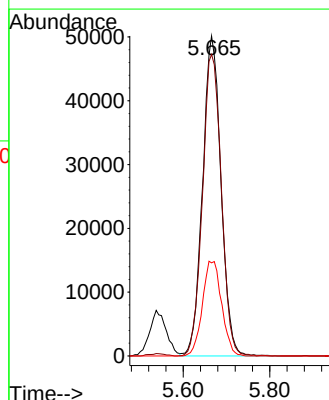
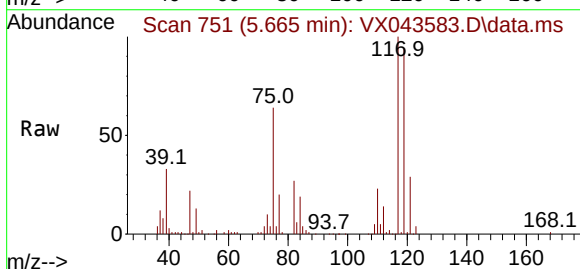
Tgt Ion:117 Resp: 148021

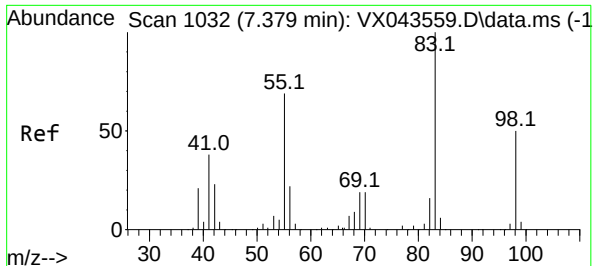
Ion Ratio Lower Upper

117 100

119 94.2 77.0 115.6

121 29.1 24.7 37.1





#39

Methylcyclohexane

Concen: 57.467 ug/l

RT: 7.372 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 182230

Ion Ratio Lower Upper

83 100

55 71.5 59.9 89.9

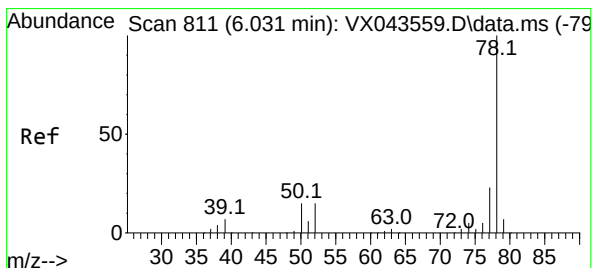
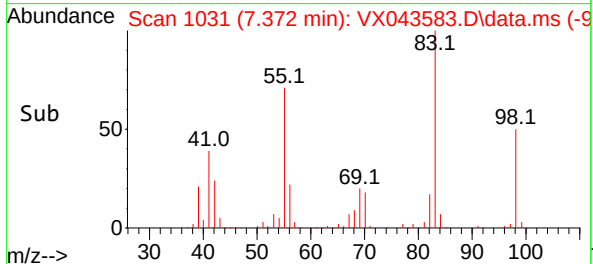
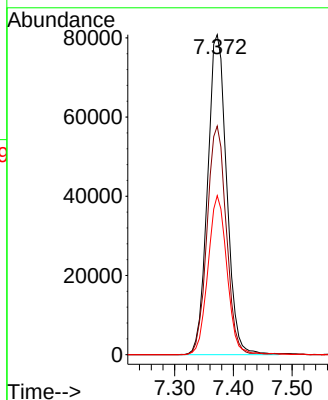
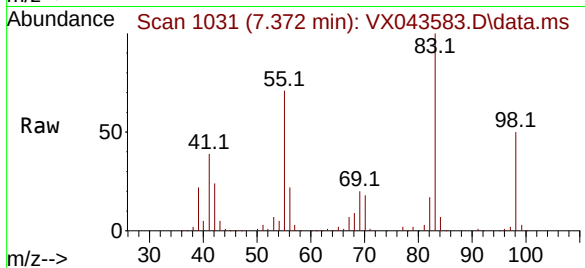
98 49.7 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#40

Benzene

Concen: 49.678 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX043583.D

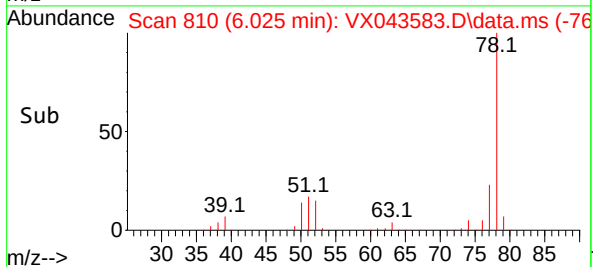
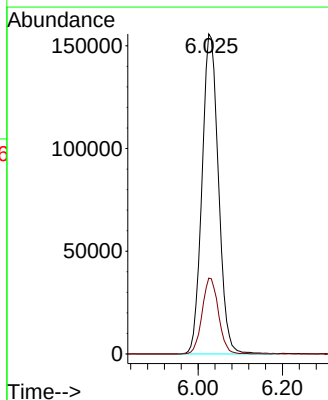
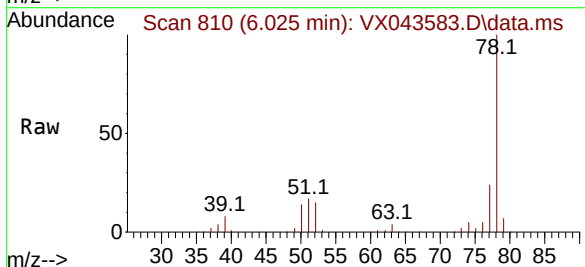
Acq: 29 Oct 2024 09:29

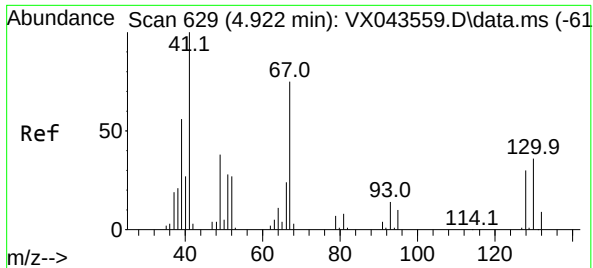
Tgt Ion: 78 Resp: 423307

Ion Ratio Lower Upper

78 100

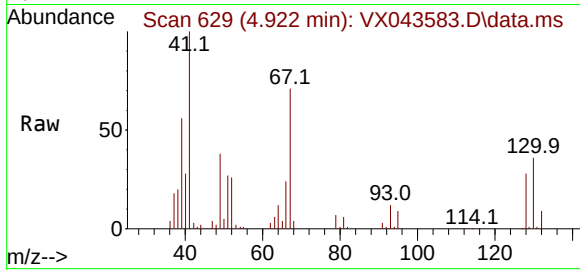
77 23.7 18.4 27.6





#41
Methacrylonitrile
Concen: 48.472 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

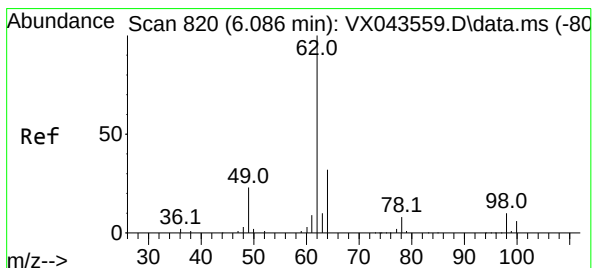
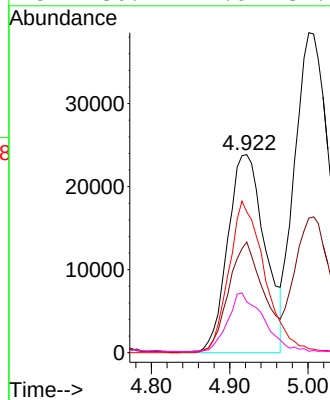
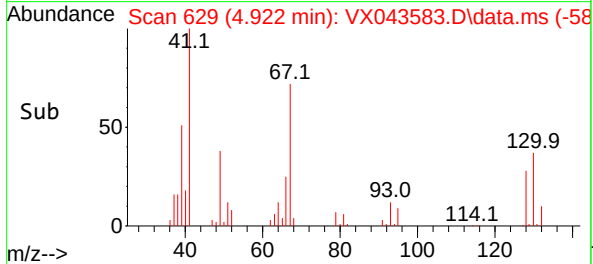
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 7889
Ion Ratio Lower Upper
41 100
39 52.2 43.5 65.3
67 74.3 58.3 87.5
52 30.4 24.6 37.0

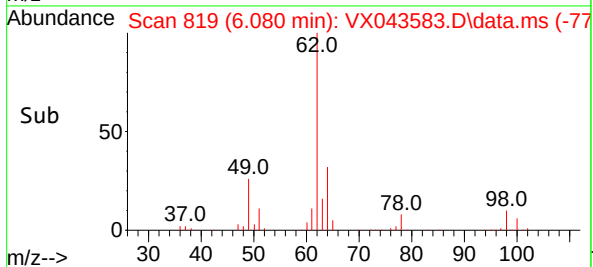
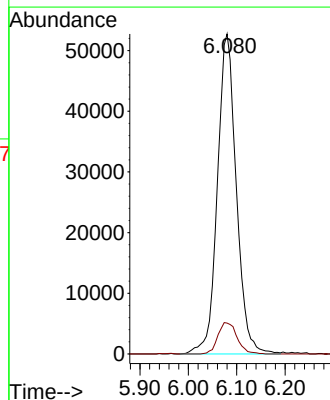
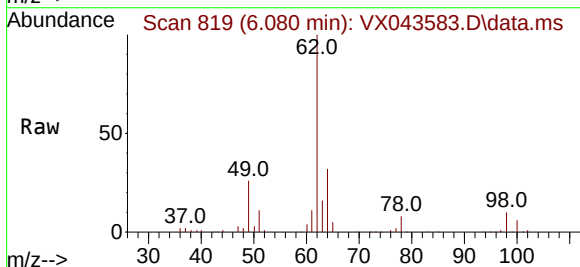
Manual Integrations
APPROVED

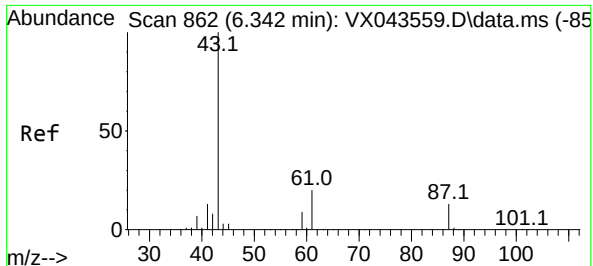
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#42
1,2-Dichloroethane
Concen: 46.823 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 62 Resp: 143431
Ion Ratio Lower Upper
62 100
98 9.9 0.0 18.8





#43

Isopropyl Acetate

Concen: 45.631 ug/l

RT: 6.336 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 23400

Ion Ratio Lower Upper

43 100

61 21.2 16.2 24.4

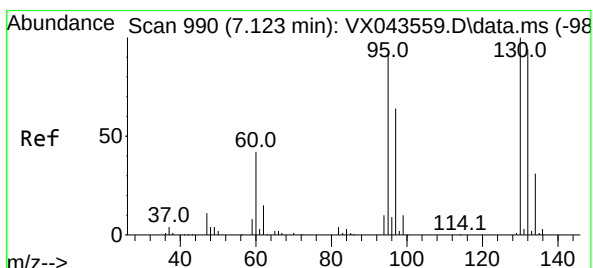
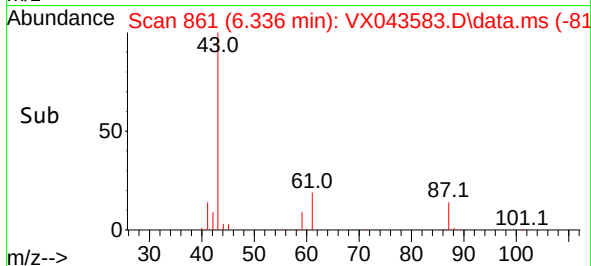
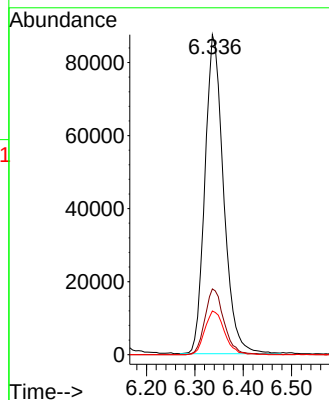
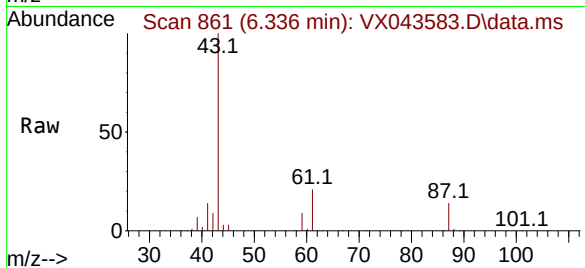
87 14.5 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#44

Trichloroethene

Concen: 52.676 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX043583.D

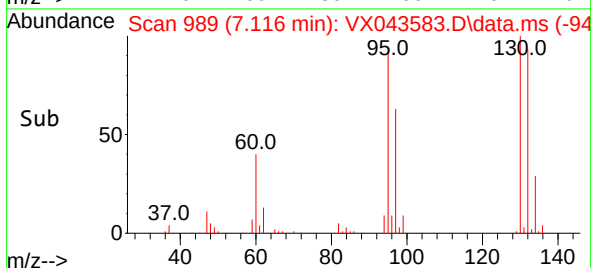
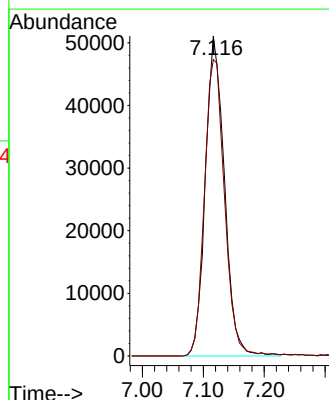
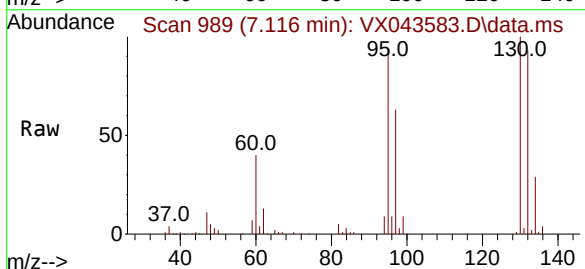
Acq: 29 Oct 2024 09:29

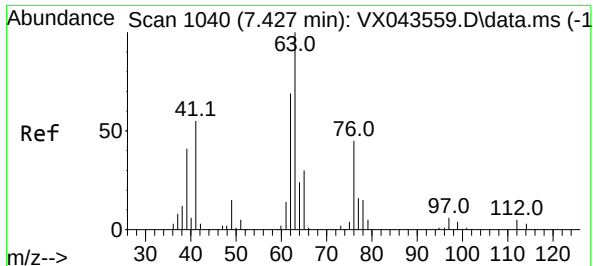
Tgt Ion:130 Resp: 111507

Ion Ratio Lower Upper

130 100

95 92.6 0.0 202.6





#45

1,2-Dichloropropane

Concen: 49.511 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 103879

Ion Ratio Lower Upper

63 100

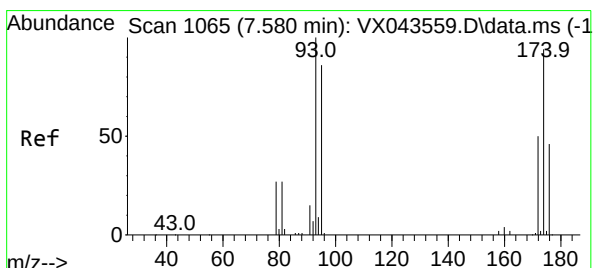
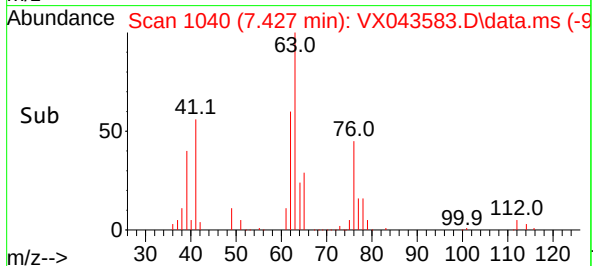
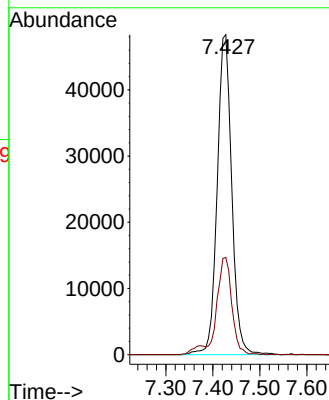
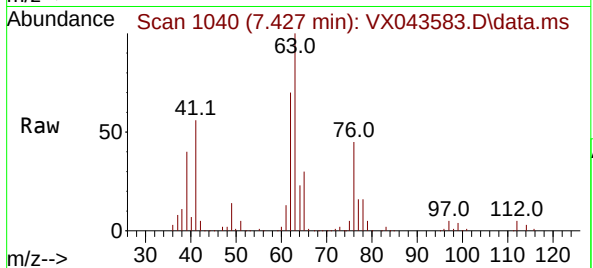
65 30.4 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#46

Dibromomethane

Concen: 48.105 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

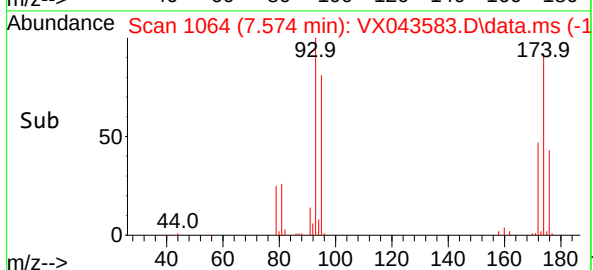
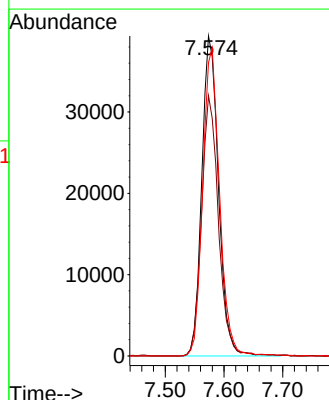
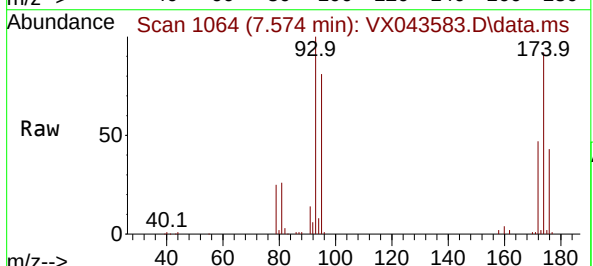
Tgt Ion: 93 Resp: 77712

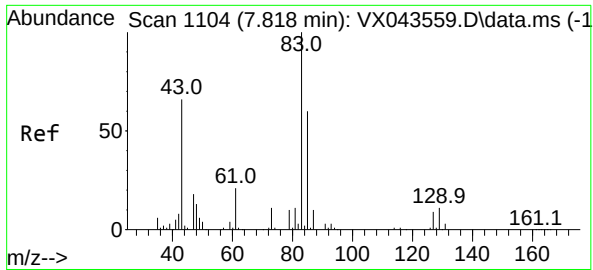
Ion Ratio Lower Upper

93 100

95 82.5 66.4 99.6

174 97.4 75.0 112.4





#47

Bromodichloromethane

Concen: 51.705 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 14653

Ion Ratio Lower Upper

83 100

85 62.8 52.2 78.4

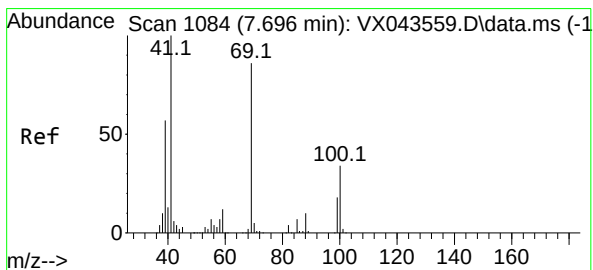
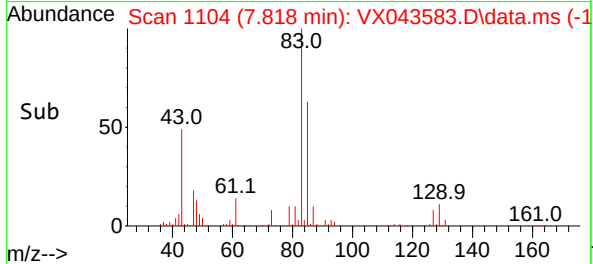
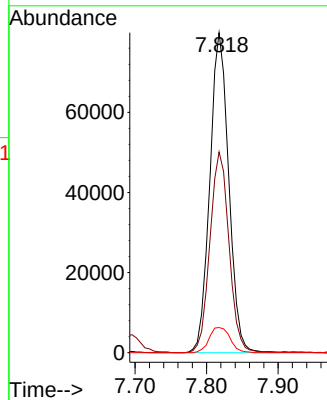
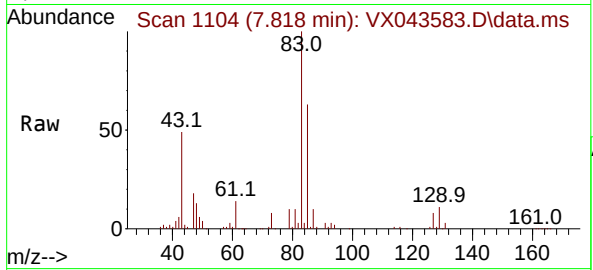
127 7.9 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#48

Methyl methacrylate

Concen: 46.843 ug/l

RT: 7.689 min Scan# 1083

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

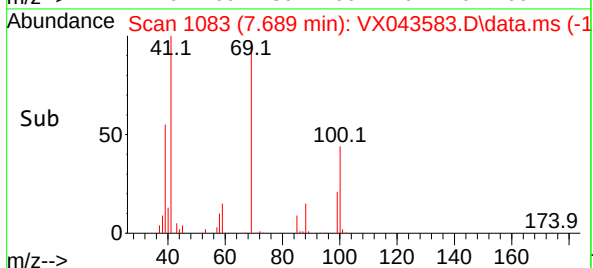
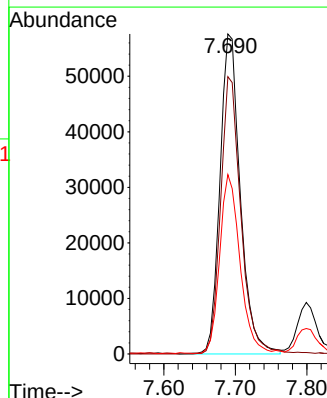
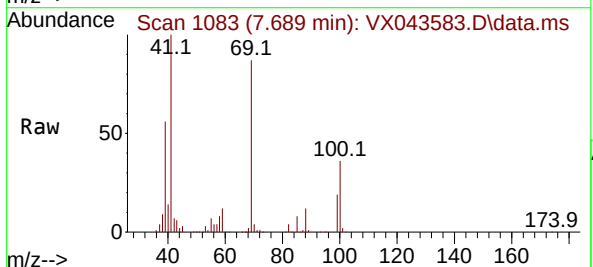
Tgt Ion: 41 Resp: 113890

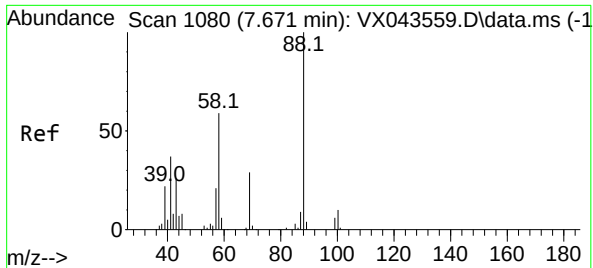
Ion Ratio Lower Upper

41 100

69 86.9 67.7 101.5

39 56.0 46.3 69.5





#49

1,4-Dioxane

Concen: 959.544 ug/l m

RT: 7.665 min Scan# 1080

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 4793

Ion Ratio Lower Upper

88 100

43 27.6 25.3 37.9

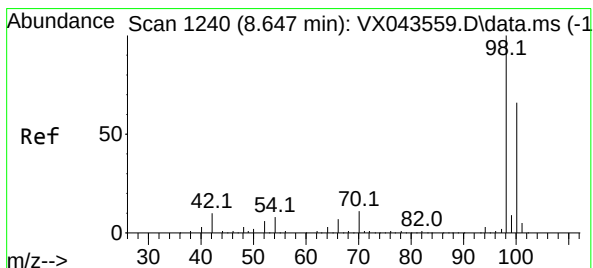
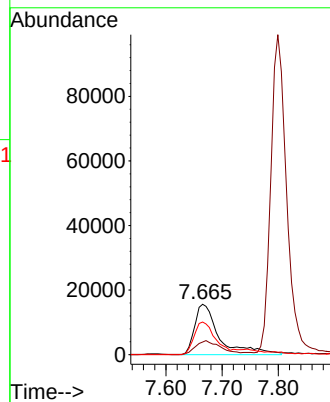
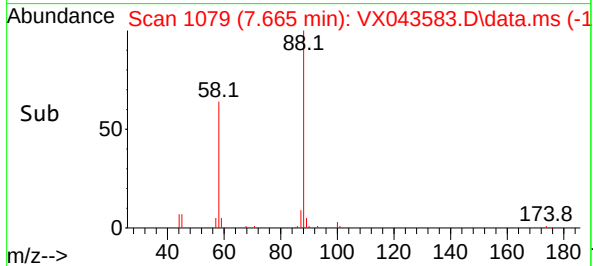
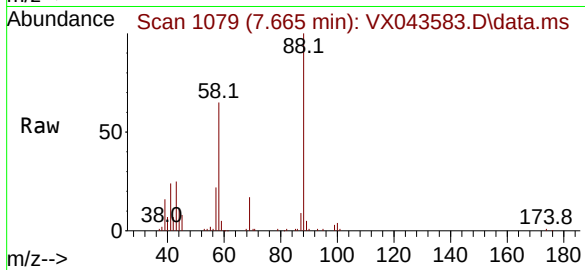
58 58.2 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#50

Toluene-d8

Concen: 53.676 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043583.D

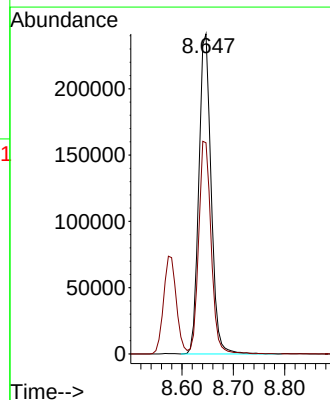
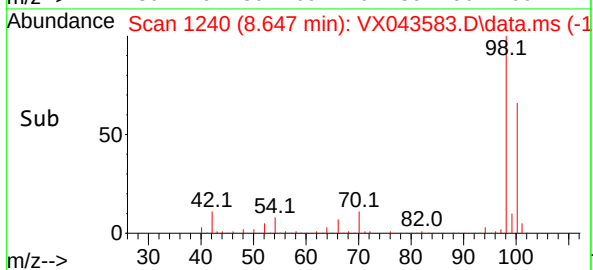
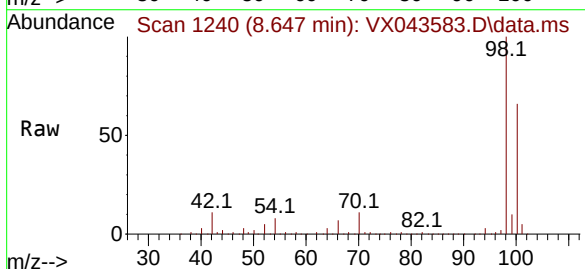
Acq: 29 Oct 2024 09:29

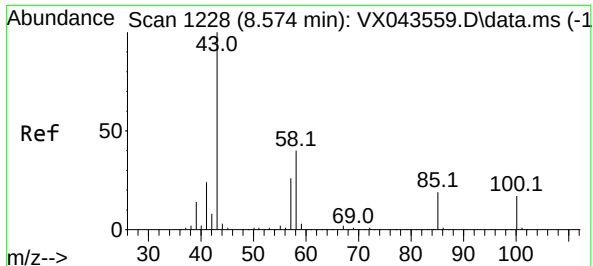
Tgt Ion: 98 Resp: 400238

Ion Ratio Lower Upper

98 100

100 67.3 53.4 80.2





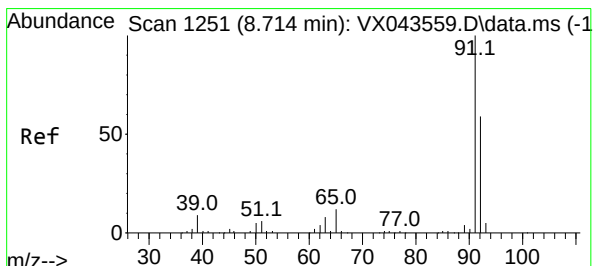
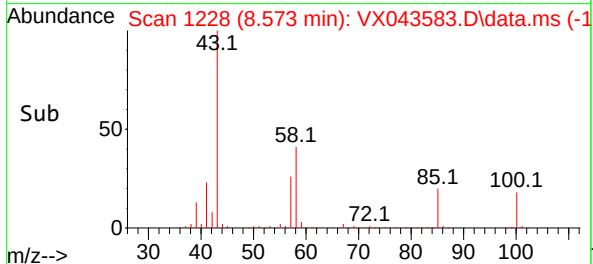
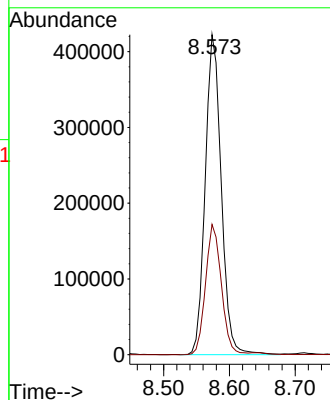
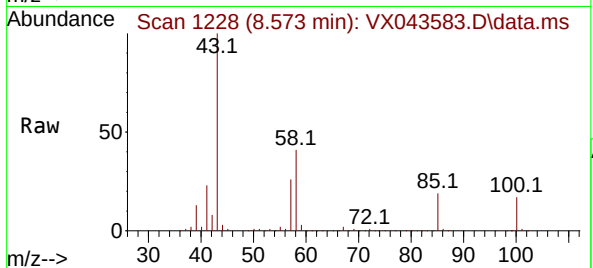
#51
4-Methyl-2-Pentanone
Concen: 229.232 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 716488
Ion Ratio Lower Upper
43 100
58 40.3 31.7 47.5

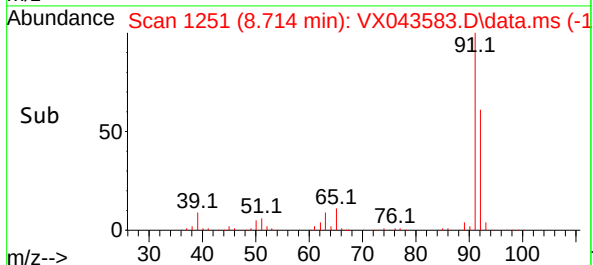
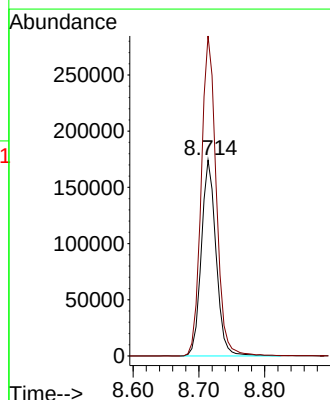
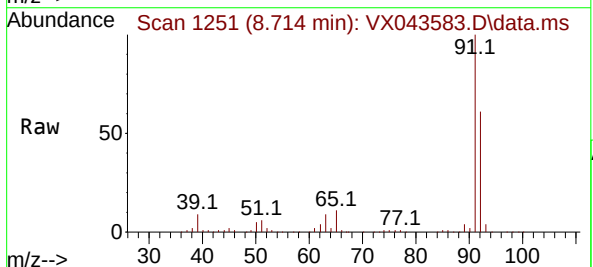
Manual Integrations
APPROVED

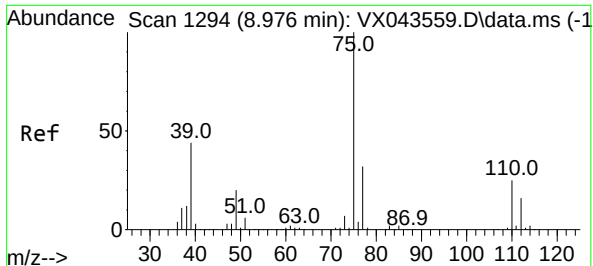
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#52
Toluene
Concen: 52.511 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 92 Resp: 271357
Ion Ratio Lower Upper
92 100
91 166.7 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 51.148 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 15568

Ion Ratio Lower Upper

75 100

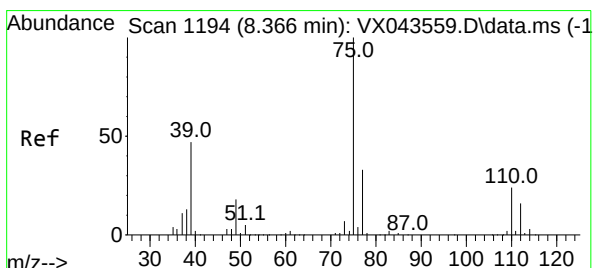
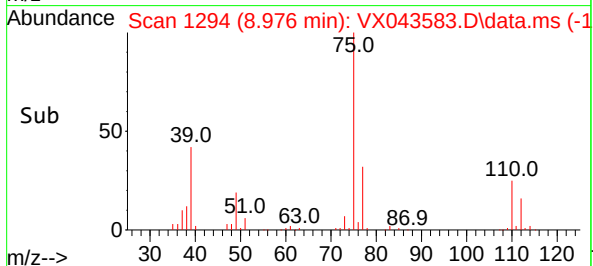
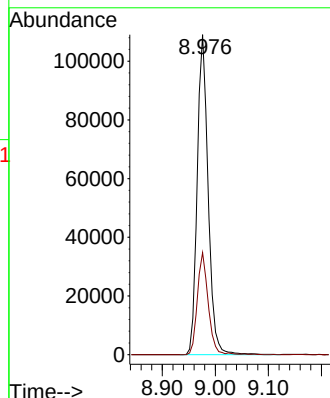
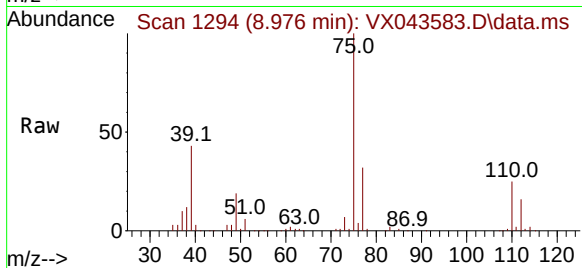
77 31.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#54

cis-1,3-Dichloropropene

Concen: 52.575 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

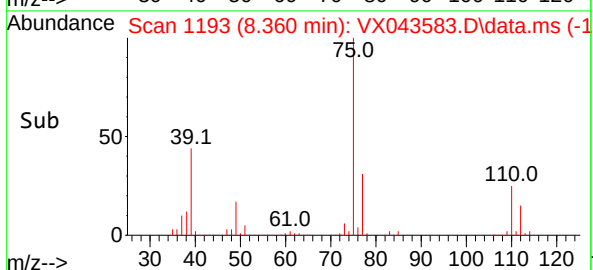
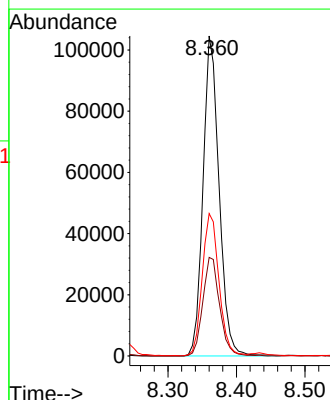
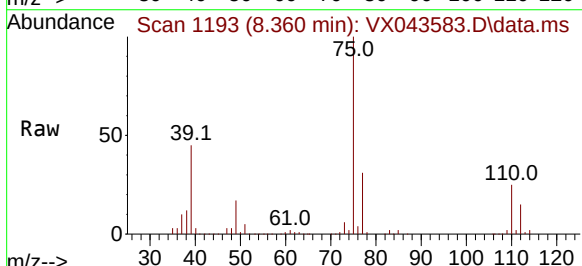
Tgt Ion: 75 Resp: 170511

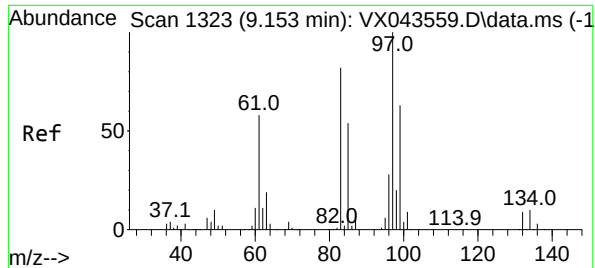
Ion Ratio Lower Upper

75 100

77 30.8 24.8 37.2

39 44.5 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 48.542 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 10441

Ion Ratio Lower Upper

97 100

83 84.6 67.3 100.9

85 55.7 43.6 65.4

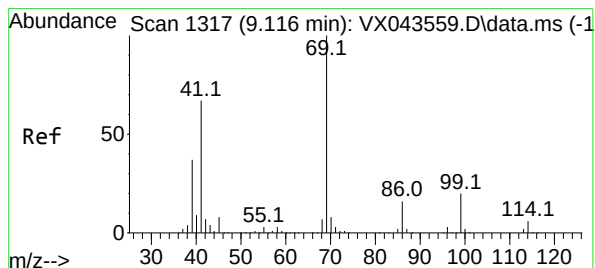
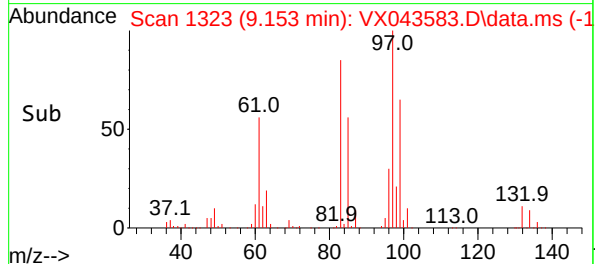
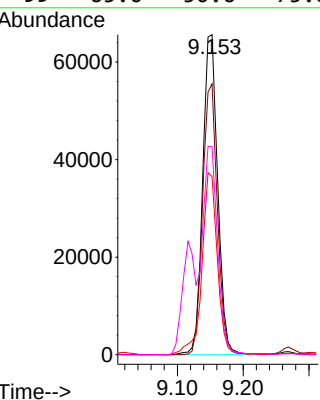
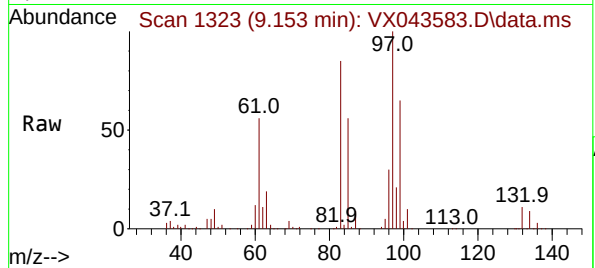
99 65.0 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#56

Ethyl methacrylate

Concen: 49.201 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

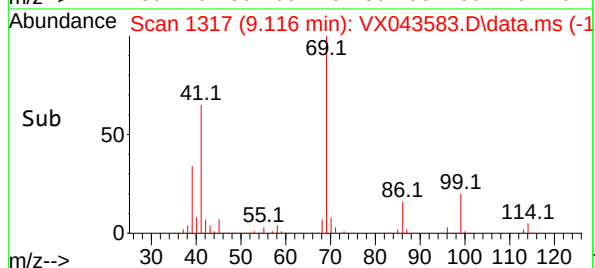
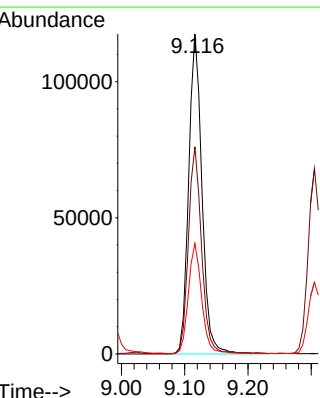
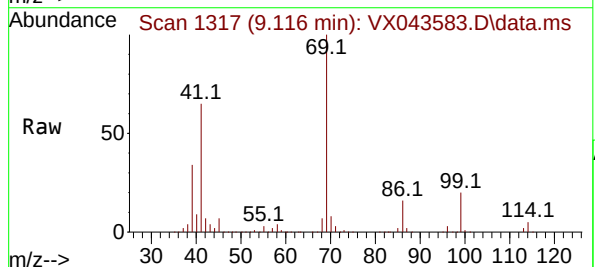
Tgt Ion: 69 Resp: 171964

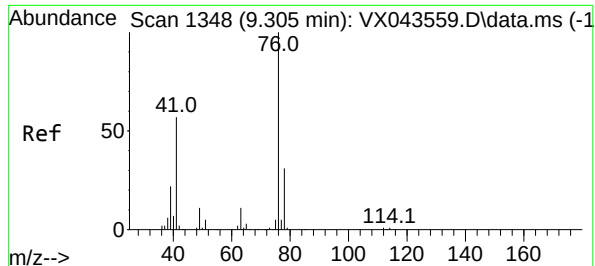
Ion Ratio Lower Upper

69 100

41 64.5 53.8 80.8

39 34.2 29.9 44.9





#57

1,3-Dichloropropane

Concen: 49.396 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 17671

Ion Ratio Lower Upper

76 100

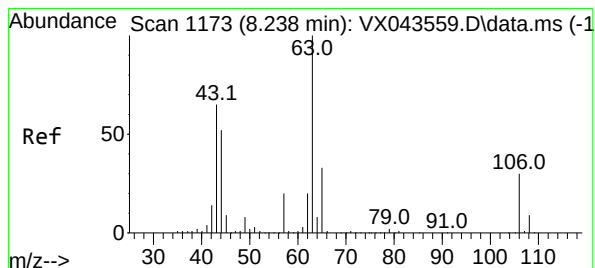
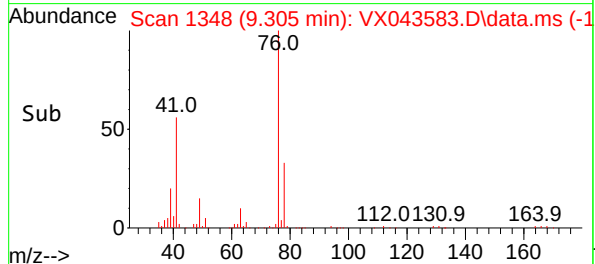
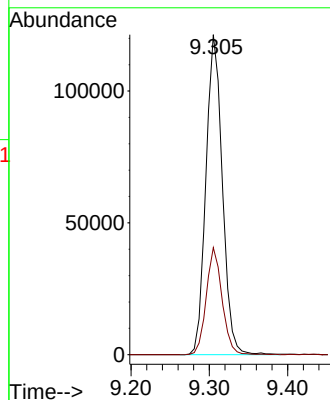
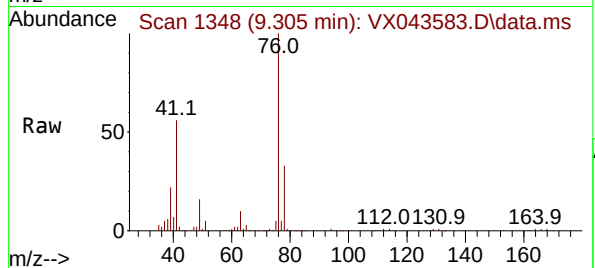
78 32.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#58

2-Chloroethyl Vinyl ether

Concen: 218.483 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043583.D

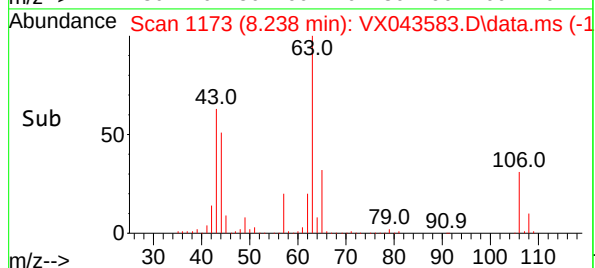
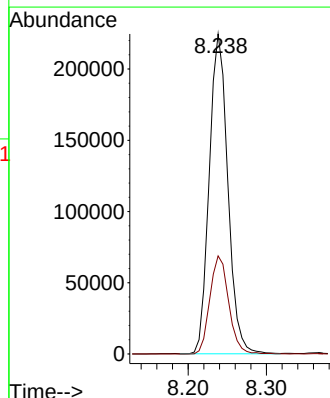
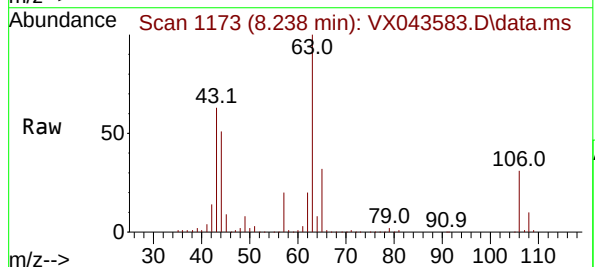
Acq: 29 Oct 2024 09:29

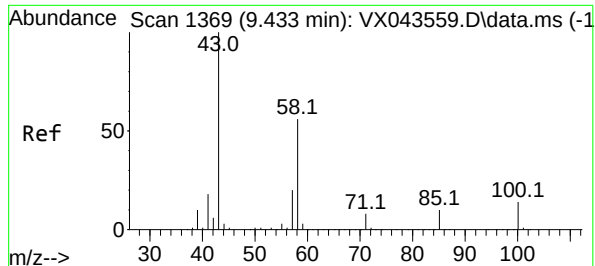
Tgt Ion: 63 Resp: 369838

Ion Ratio Lower Upper

63 100

106 31.0 23.6 35.4





#59

2-Hexanone

Concen: 235.767 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 559680

Ion Ratio Lower Upper

43 100

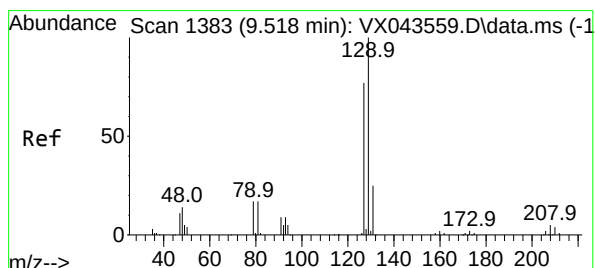
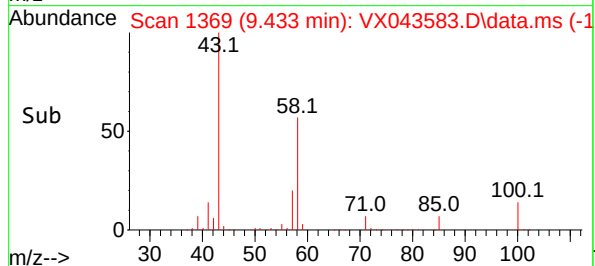
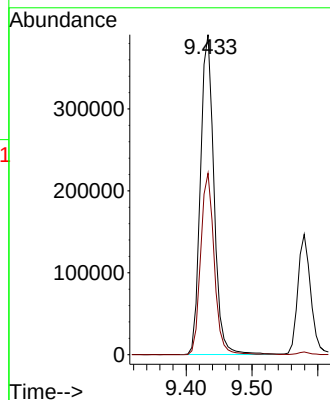
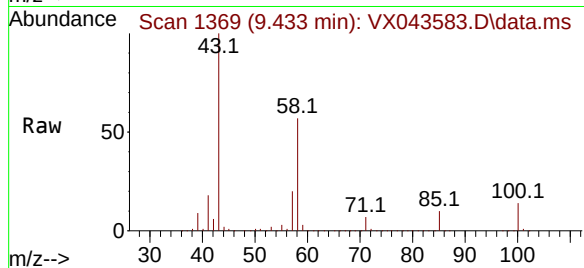
58 56.7 27.5 82.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#60

Dibromochloromethane

Concen: 53.432 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043583.D

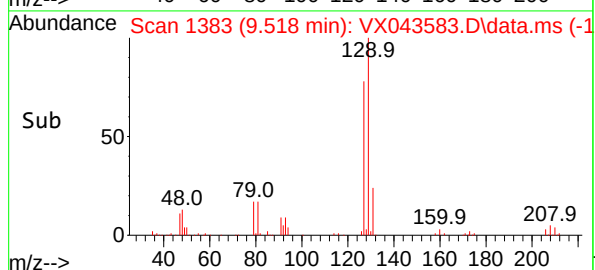
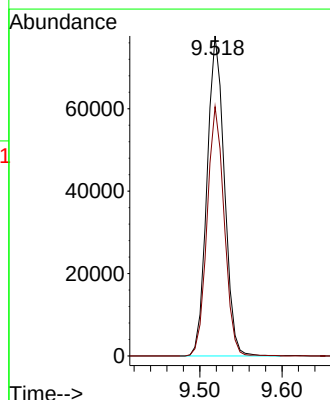
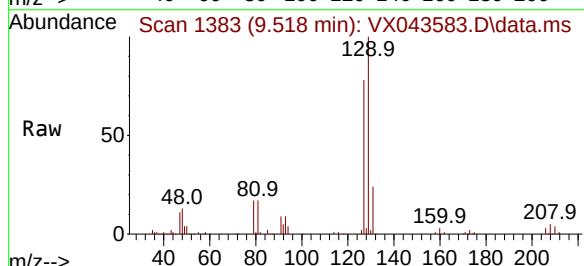
Acq: 29 Oct 2024 09:29

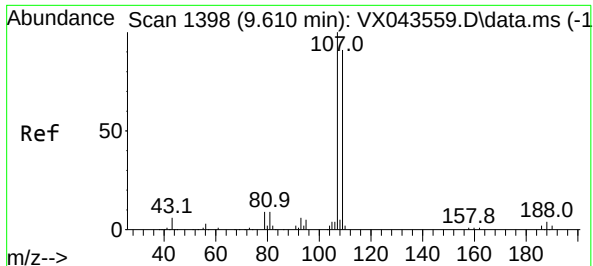
Tgt Ion:129 Resp: 113810

Ion Ratio Lower Upper

129 100

127 76.8 38.4 115.1





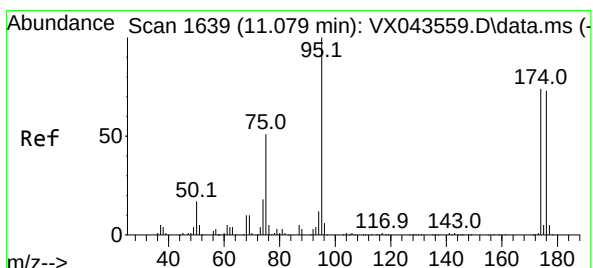
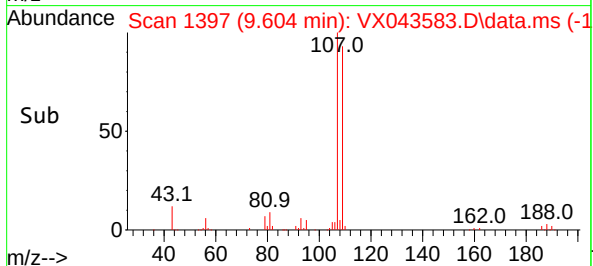
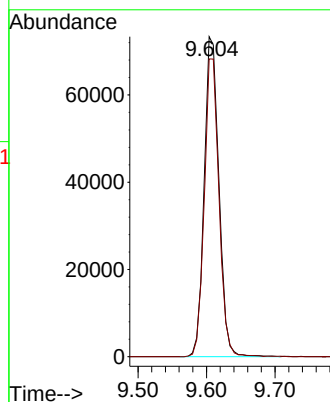
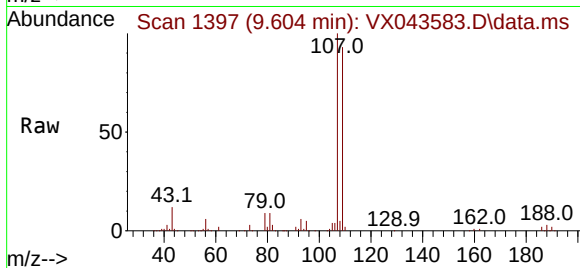
#61
1,2-Dibromoethane
Concen: 49.183 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 10982
Ion Ratio Lower Upper
107 100
109 93.1 77.1 115.7

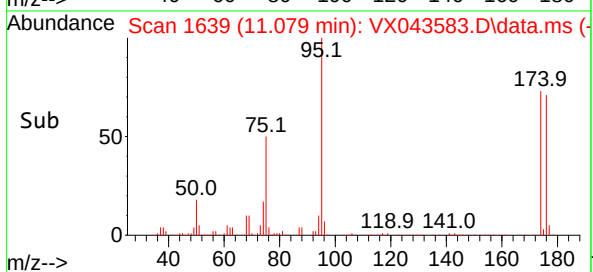
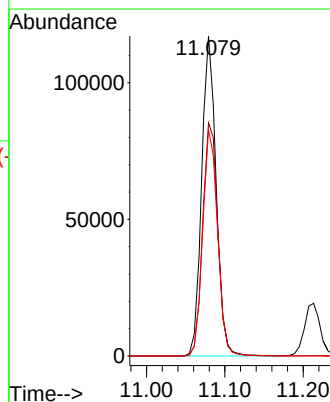
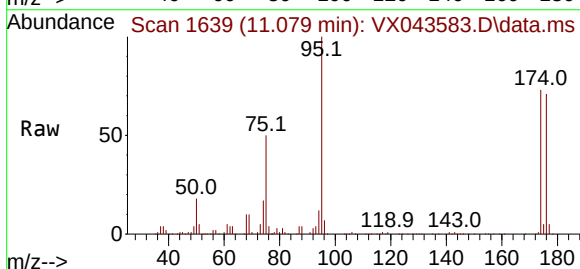
Manual Integrations
APPROVED

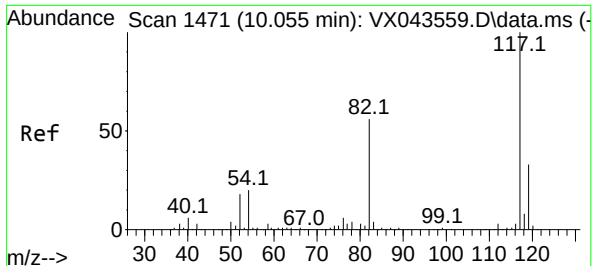
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#62
4-Bromofluorobenzene
Concen: 54.171 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

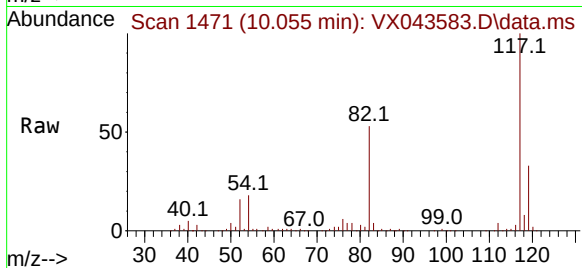
Tgt Ion: 95 Resp: 149677
Ion Ratio Lower Upper
95 100
174 76.3 0.0 146.6
176 72.9 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

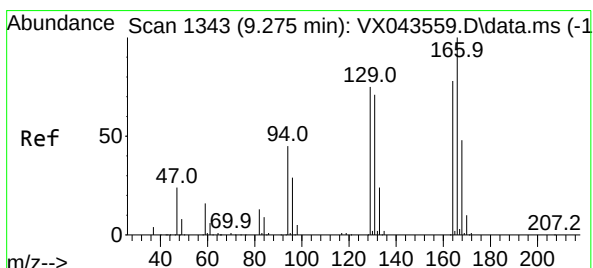
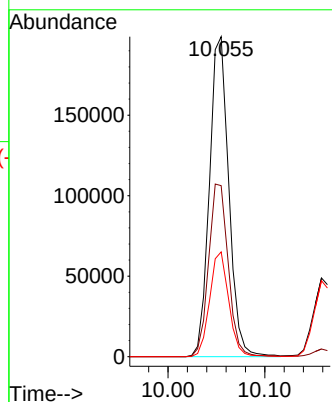
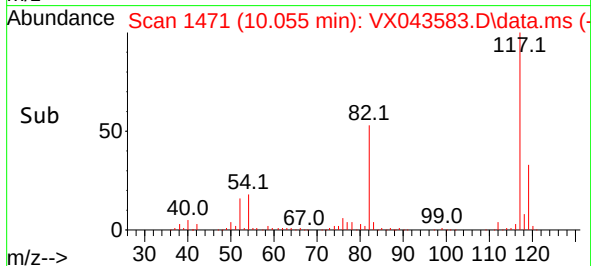
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 27712
Ion Ratio Lower Upper
117 100
82 53.4 42.1 63.1
119 32.7 25.4 38.2

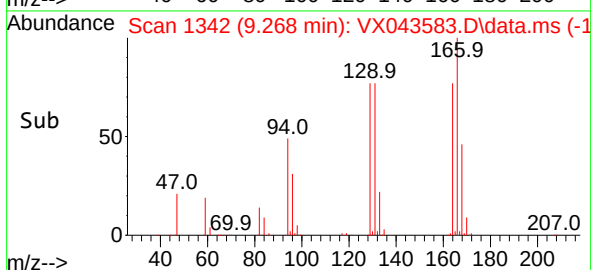
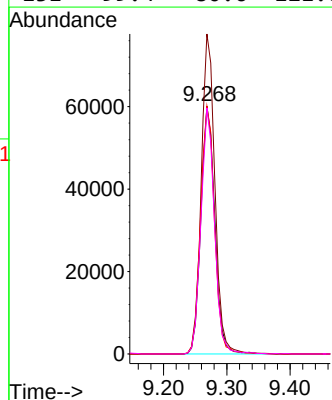
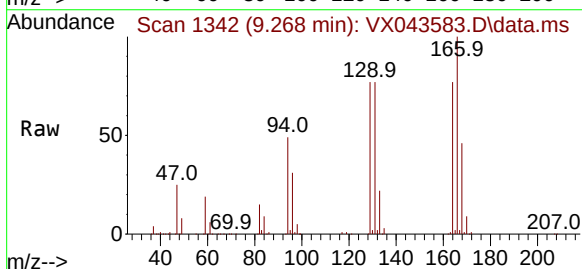
Manual Integrations
APPROVED

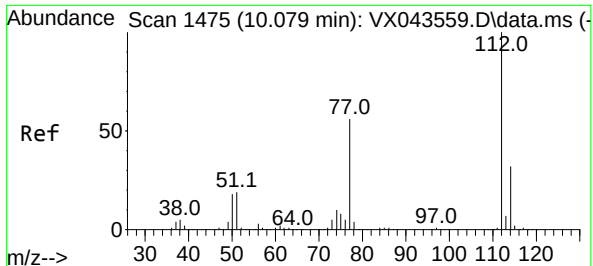
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#64
Tetrachloroethene
Concen: 52.901 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:164 Resp: 92204
Ion Ratio Lower Upper
164 100
166 129.2 103.8 155.6
129 100.0 83.8 125.6
131 99.4 80.6 121.0





#65

Chlorobenzene

Concen: 50.750 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 30257

Ion Ratio Lower Upper

112 100

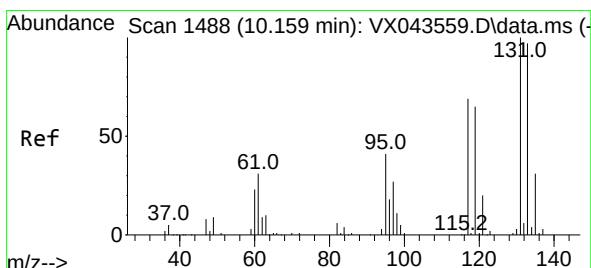
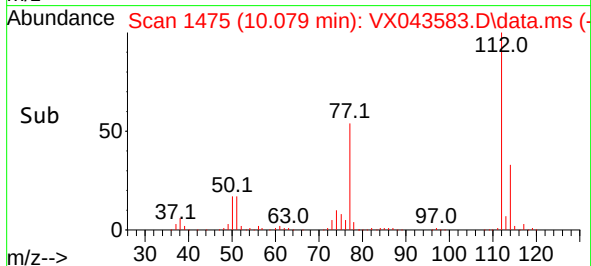
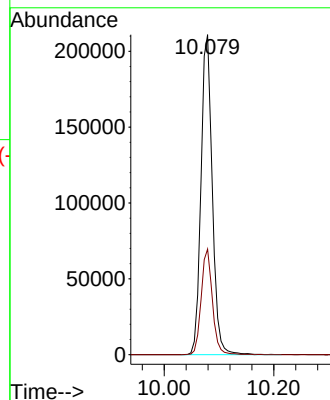
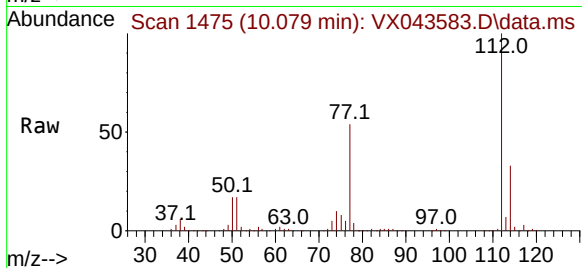
114 33.0 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 53.255 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

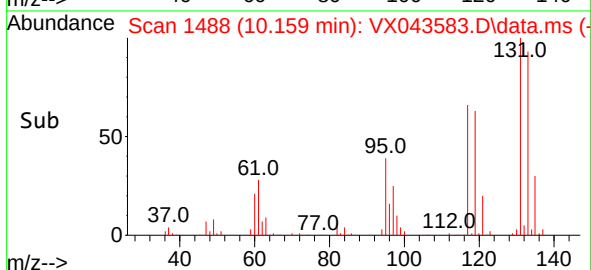
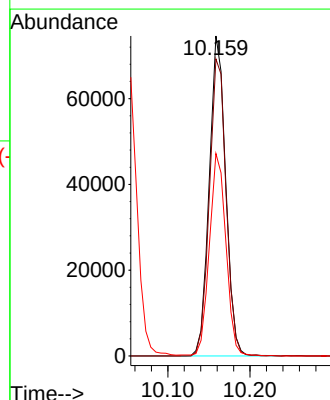
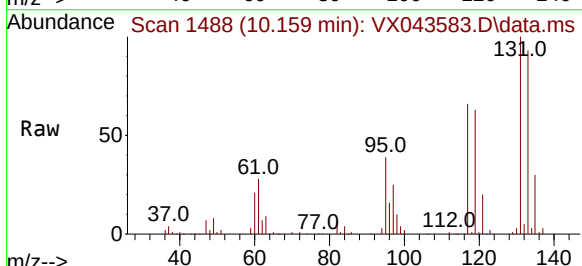
Tgt Ion:131 Resp: 103710

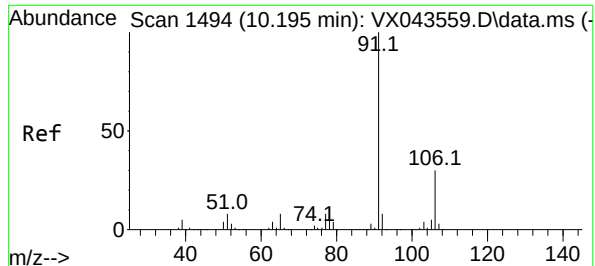
Ion Ratio Lower Upper

131 100

133 94.4 48.0 144.0

119 63.8 32.3 96.9





#67

Ethyl Benzene

Concen: 53.028 ug/l

RT: 10.189 min Scan# 1494

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 515530

Ion Ratio Lower Upper

91 100

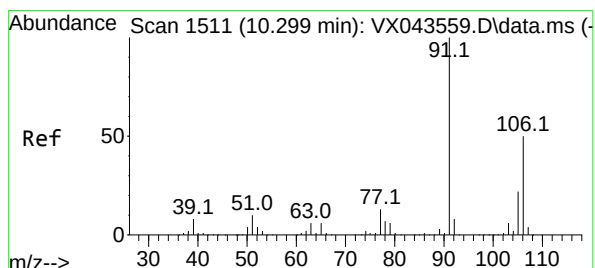
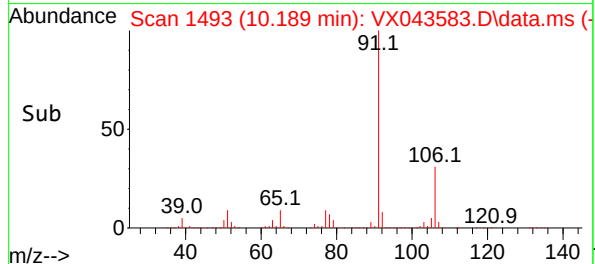
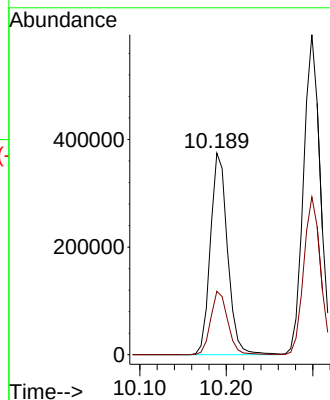
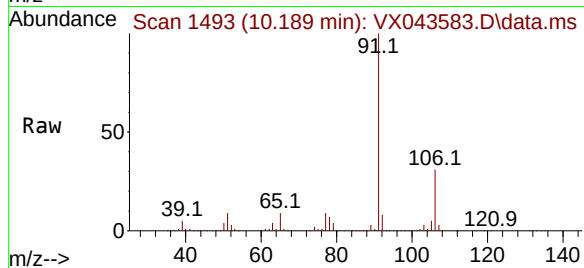
106 31.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#68

m/p-Xylenes

Concen: 108.089 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043583.D

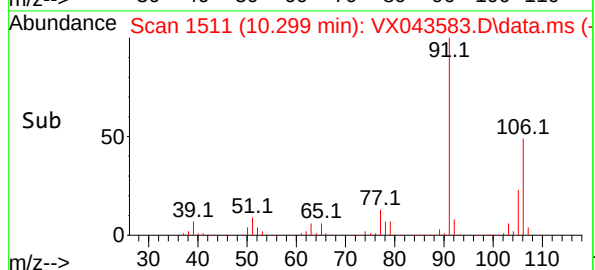
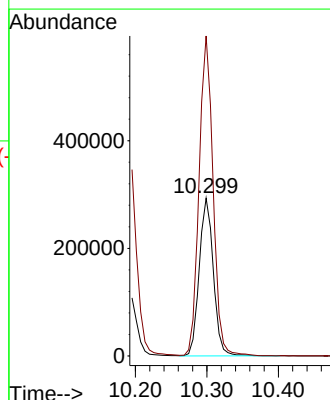
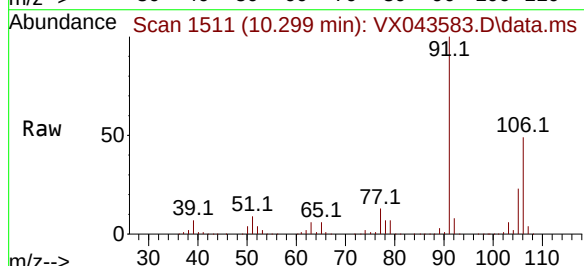
Acq: 29 Oct 2024 09:29

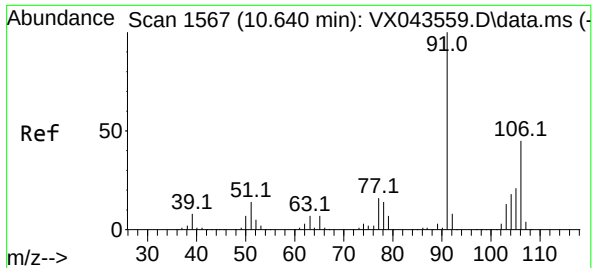
Tgt Ion:106 Resp: 401855

Ion Ratio Lower Upper

106 100

91 201.4 164.7 247.1





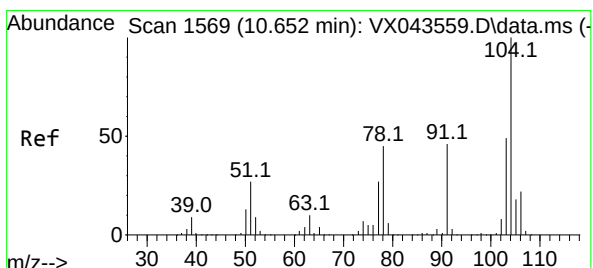
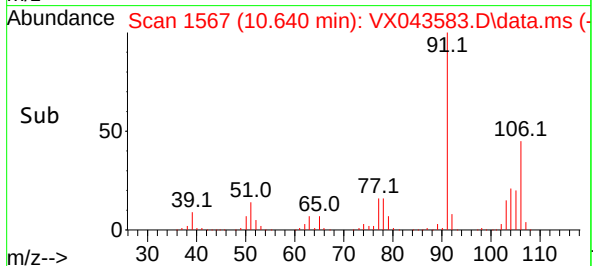
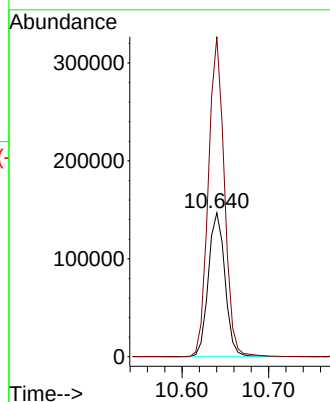
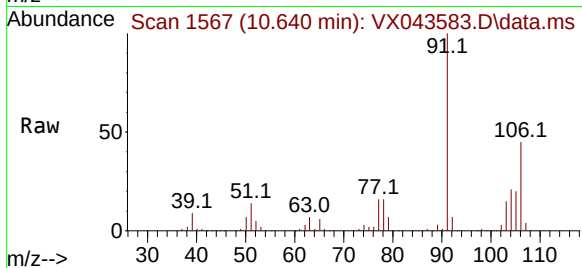
#69
o-Xylene
Concen: 52.523 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 196198
Ion Ratio Lower Upper
106 100
91 213.5 107.9 323.7

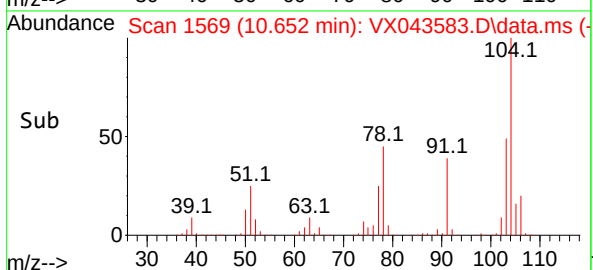
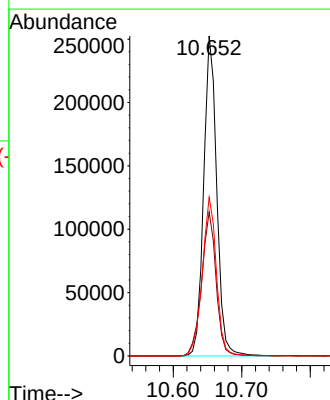
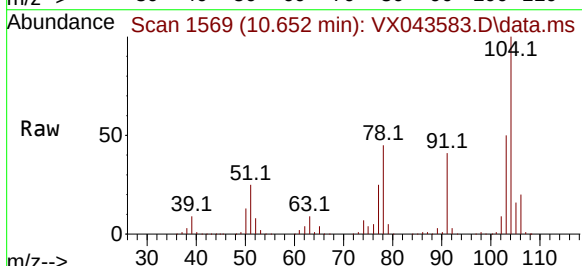
Manual Integrations
APPROVED

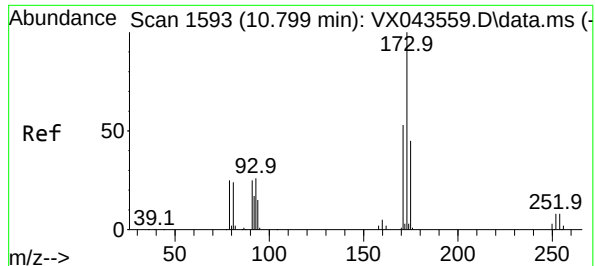
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#70
Styrene
Concen: 54.130 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:104 Resp: 336072
Ion Ratio Lower Upper
104 100
78 49.6 40.0 60.0
103 53.8 43.4 65.0





#71

Bromoform

Concen: 52.407 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 7338

Ion Ratio Lower Upper

173 100

175 48.3 23.3 69.9

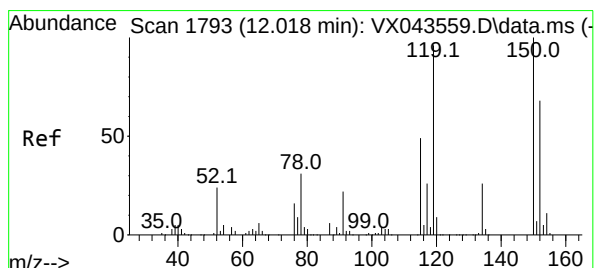
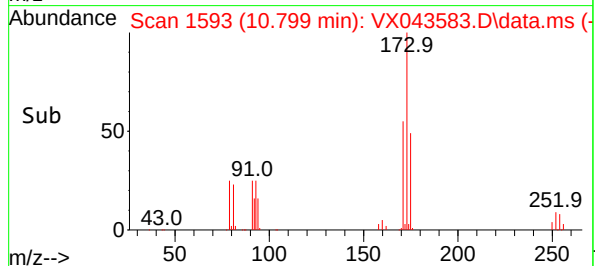
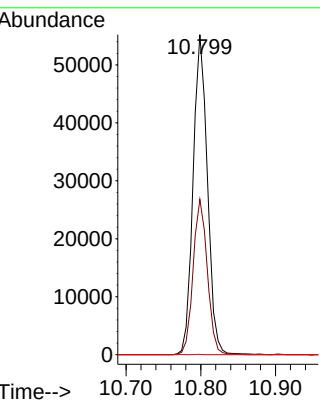
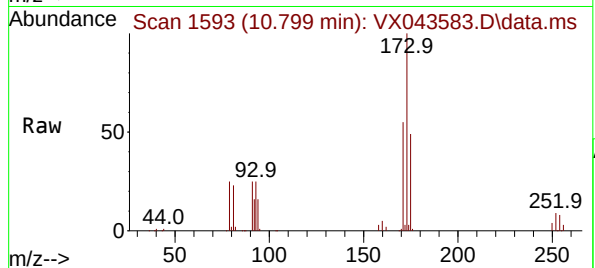
254 0.1 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

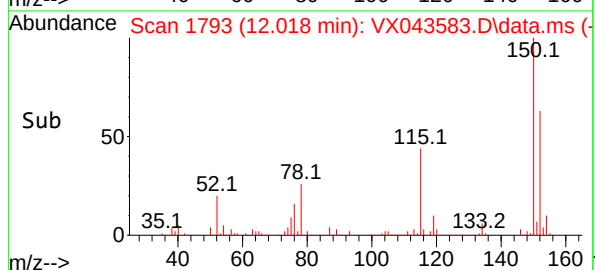
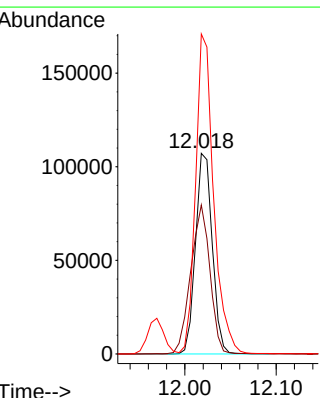
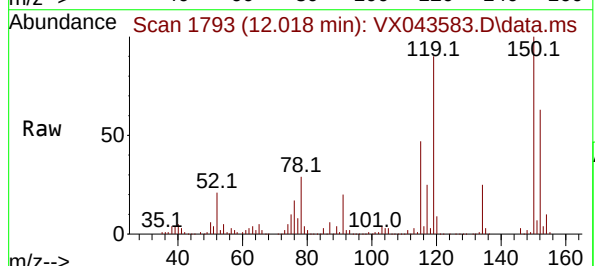
Tgt Ion:152 Resp: 136145

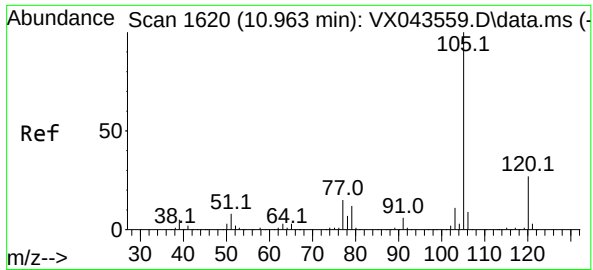
Ion Ratio Lower Upper

152 100

115 85.2 42.9 128.7

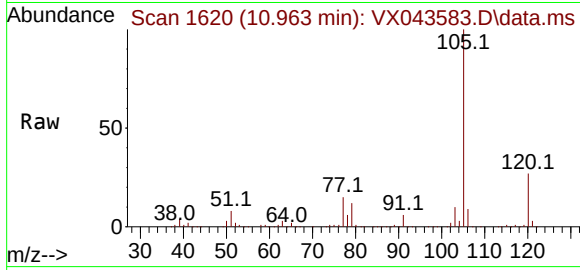
150 171.6 0.0 343.6





#73
Isopropylbenzene
Concen: 52.592 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

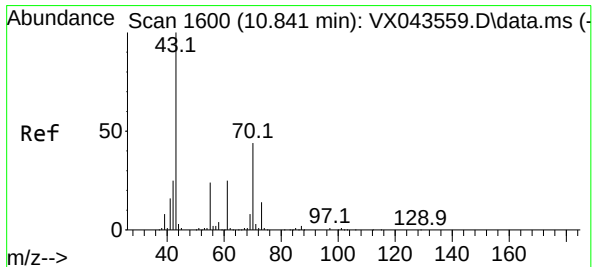
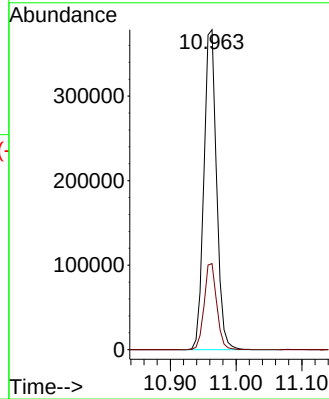
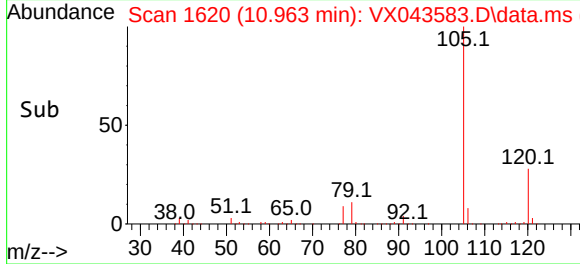
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 507198
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.6

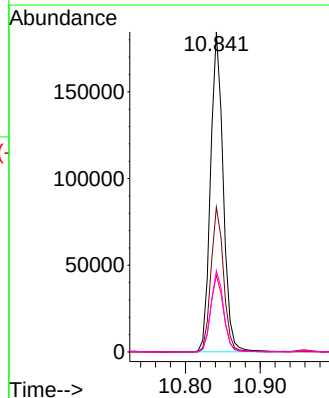
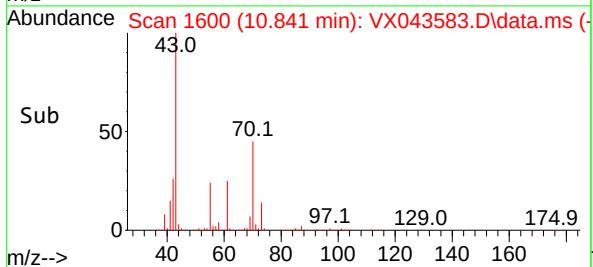
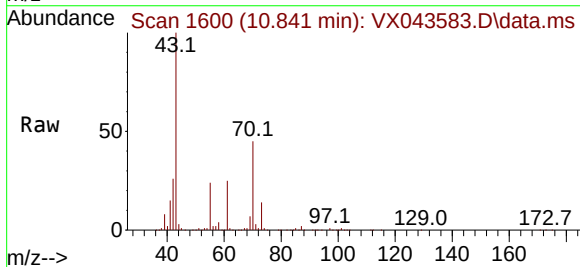
Manual Integrations
APPROVED

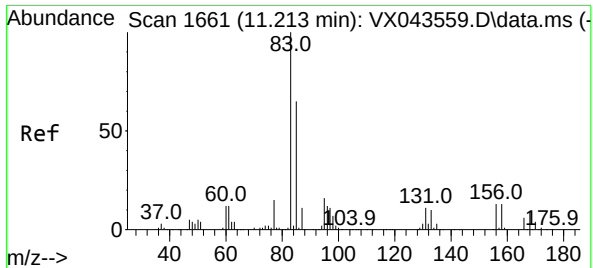
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#74
N-ethyl acetate
Concen: 46.083 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

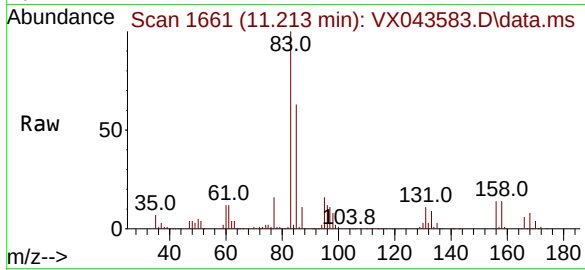
Tgt Ion: 43 Resp: 216499
Ion Ratio Lower Upper
43 100
70 45.5 34.6 52.0
55 24.7 19.6 29.4
61 25.5 20.2 30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 46.182 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

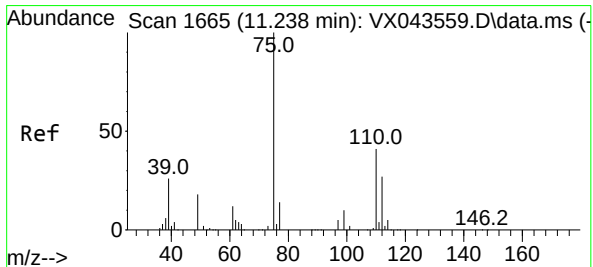
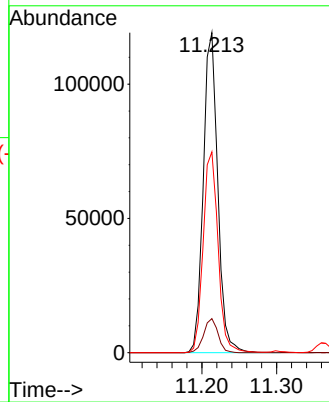
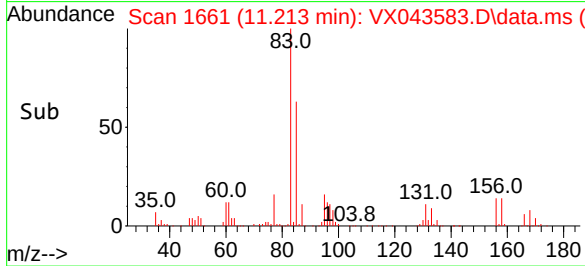
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



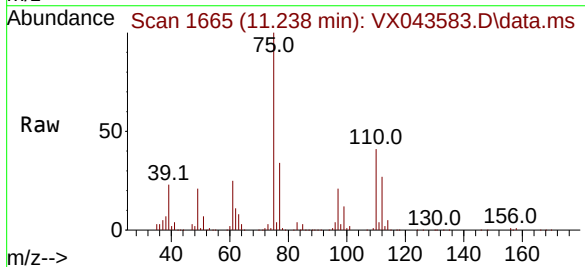
Tgt Ion: 83 Resp: 16015
Ion Ratio Lower Upper
83 100
131 10.6 5.3 15.9
85 64.6 32.4 97.0

Manual Integrations
APPROVED

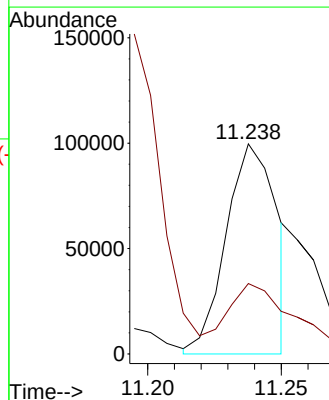
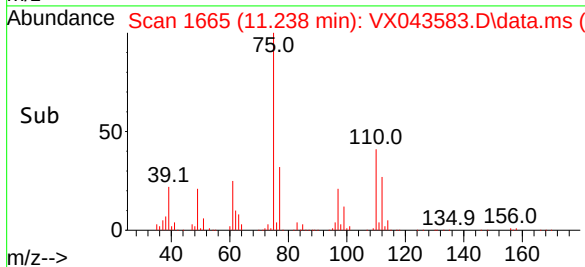
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

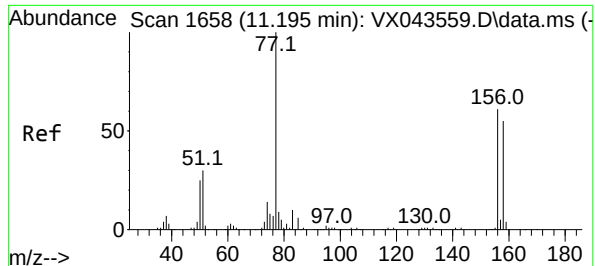


#76
1,2,3-Trichloropropane
Concen: 45.276 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29



Tgt Ion: 75 Resp: 131796
Ion Ratio Lower Upper
75 100
77 44.5 22.4 67.2





#77

Bromobenzene

Concen: 50.686 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 126219

Ion Ratio Lower Upper

156 100

77 154.9 79.7 239.1

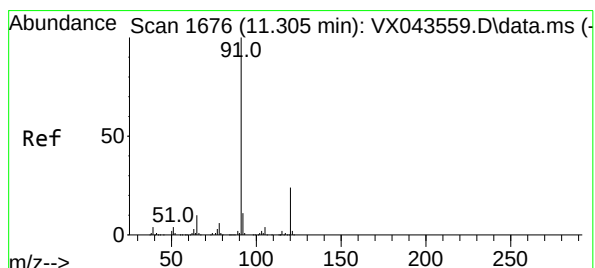
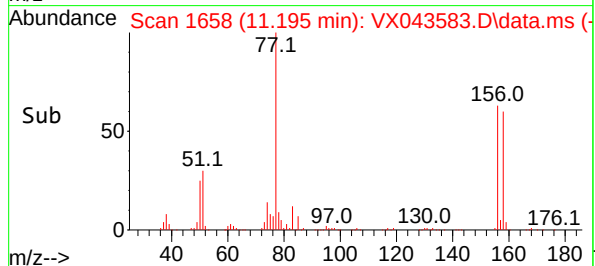
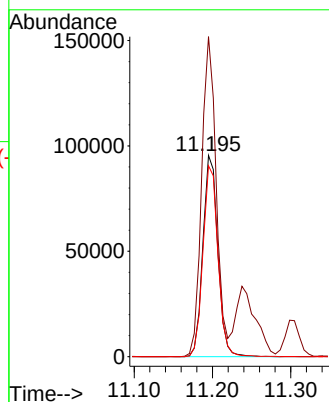
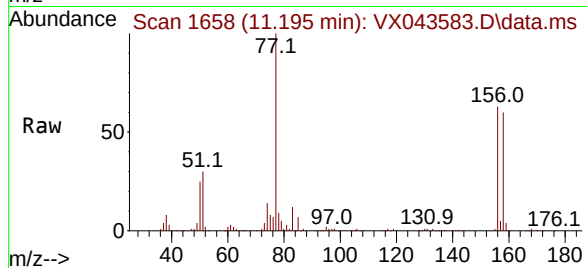
158 95.6 48.0 144.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#78

n-propylbenzene

Concen: 54.356 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX043583.D

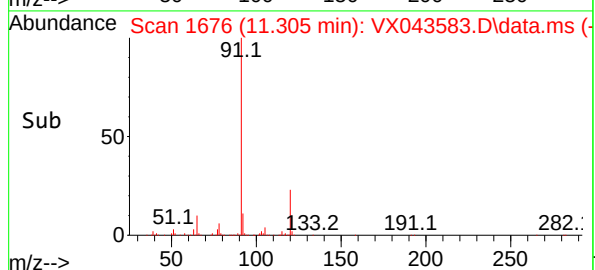
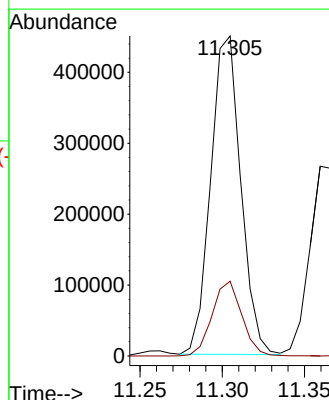
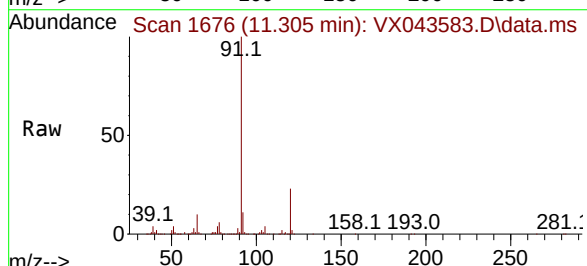
Acq: 29 Oct 2024 09:29

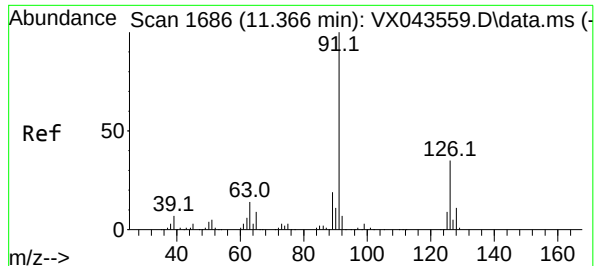
Tgt Ion: 91 Resp: 571565

Ion Ratio Lower Upper

91 100

120 23.2 11.6 34.7





#79

2-Chlorotoluene

Concen: 50.257 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 350419

Ion Ratio Lower Upper

91 100

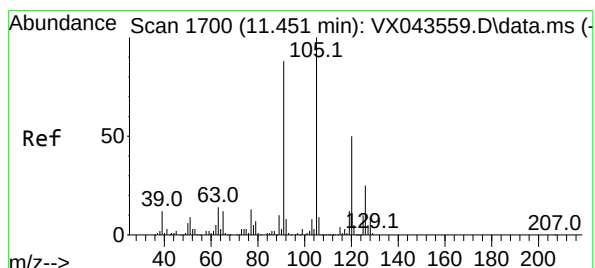
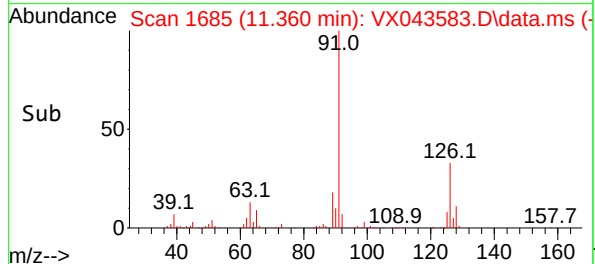
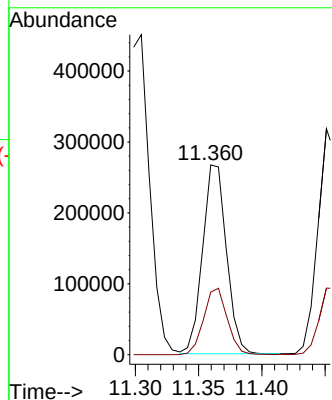
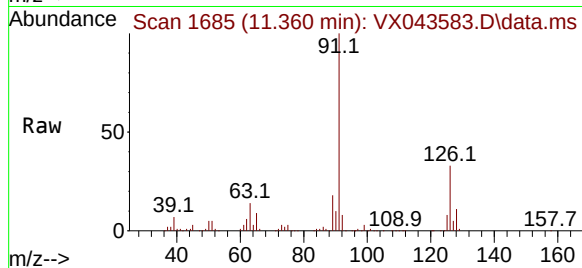
126 34.8 16.7 50.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#80

1,3,5-Trimethylbenzene

Concen: 53.132 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043583.D

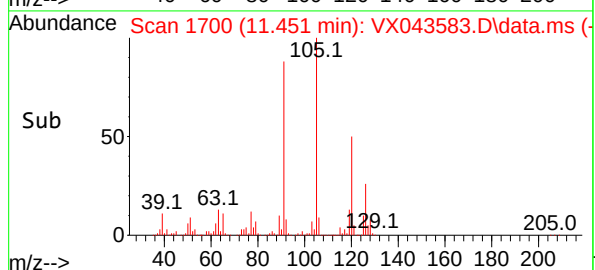
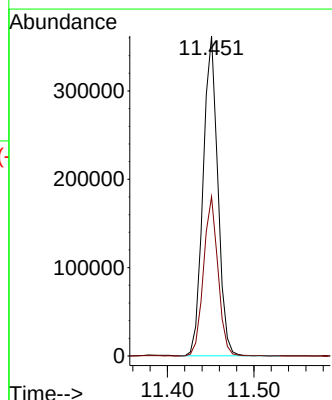
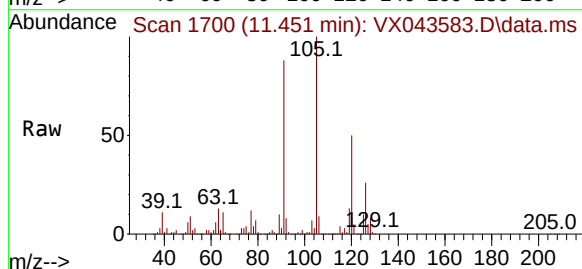
Acq: 29 Oct 2024 09:29

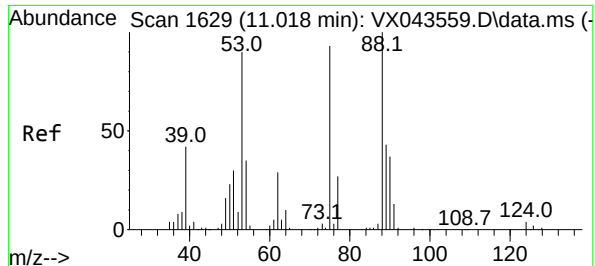
Tgt Ion:105 Resp: 427235

Ion Ratio Lower Upper

105 100

120 48.9 23.8 71.5





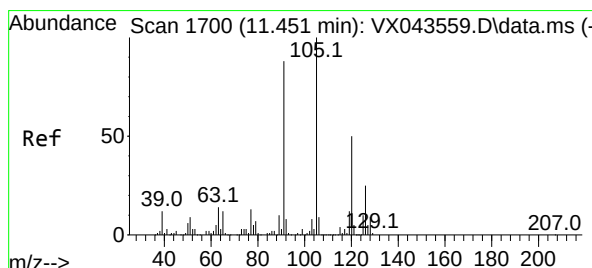
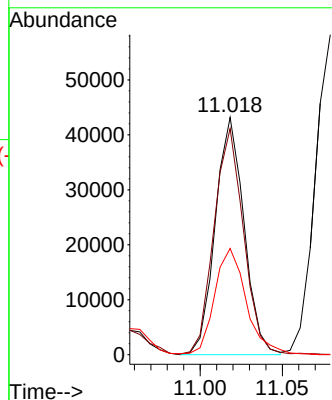
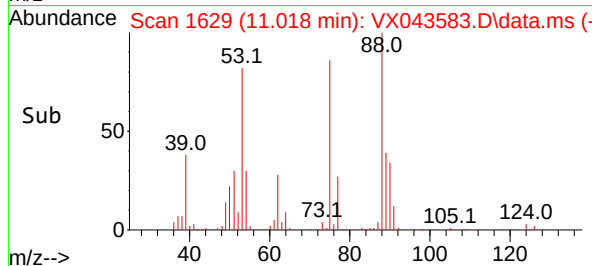
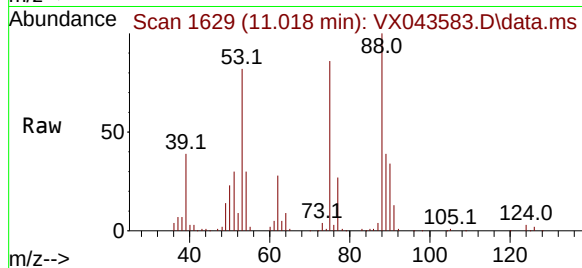
#81
trans-1,4-Dichloro-2-butene
Concen: 49.635 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 5252
Ion Ratio Lower Upper
75 100
53 97.6 84.6 126.8
89 49.5 38.6 58.0

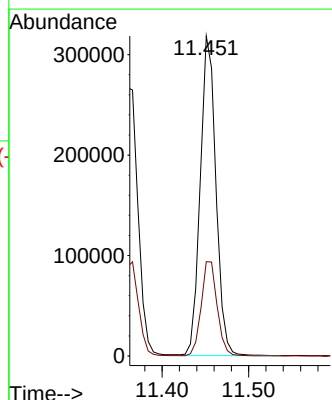
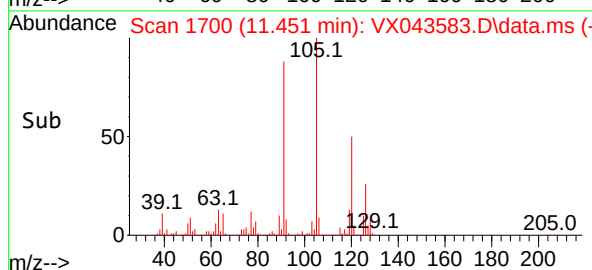
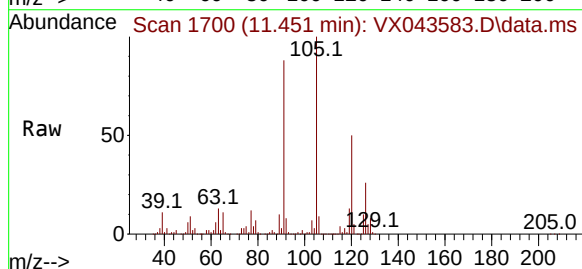
Manual Integrations
APPROVED

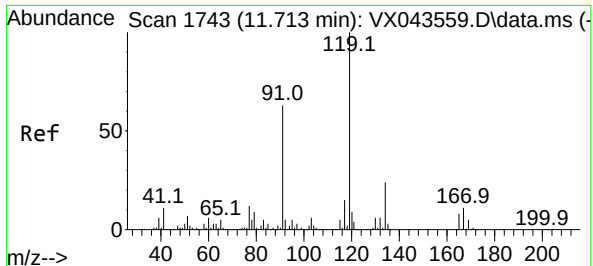
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#82
4-Chlorotoluene
Concen: 51.088 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 91 Resp: 399821
Ion Ratio Lower Upper
91 100
126 30.2 14.2 42.8





#83

tert-Butylbenzene

Concen: 53.361 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 436382

Ion Ratio Lower Upper

119 100

91 58.3 29.5 88.5

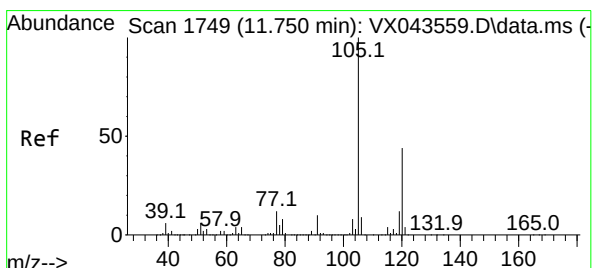
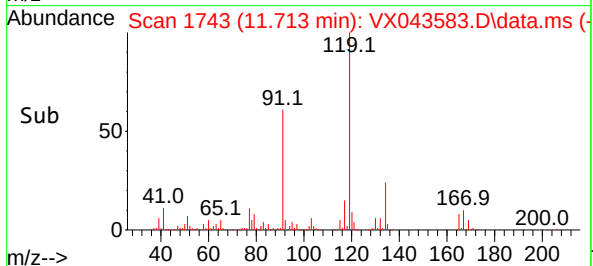
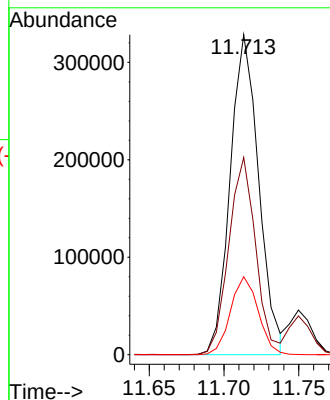
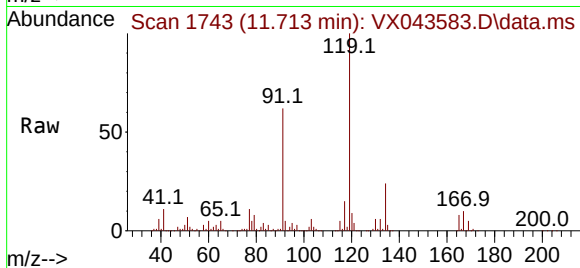
134 23.6 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#84

1,2,4-Trimethylbenzene

Concen: 53.380 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043583.D

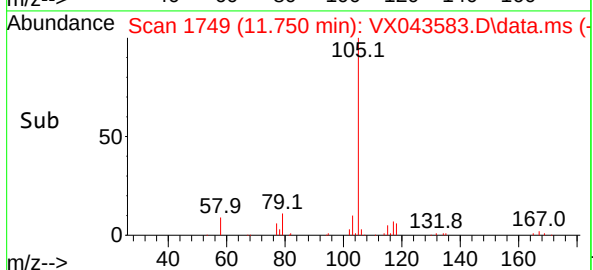
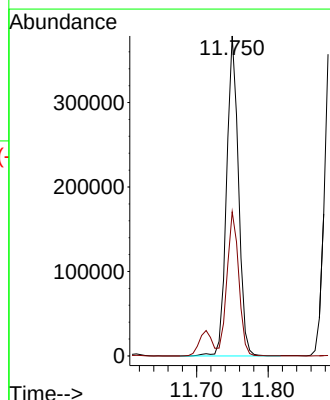
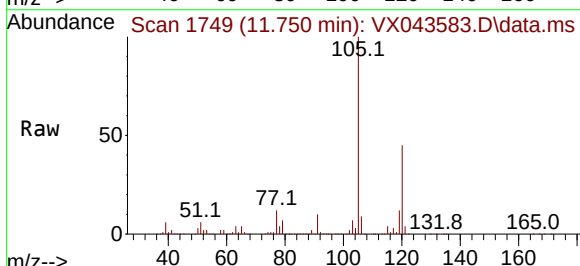
Acq: 29 Oct 2024 09:29

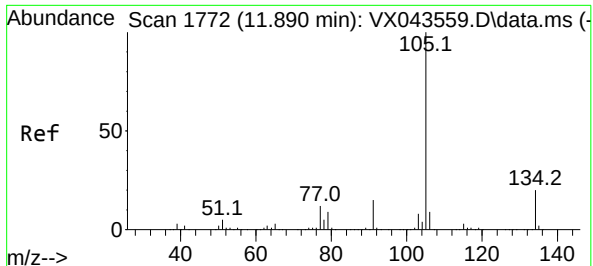
Tgt Ion:105 Resp: 437441

Ion Ratio Lower Upper

105 100

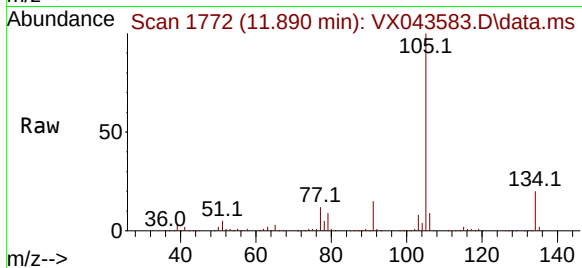
120 44.8 22.1 66.1





#85
sec-Butylbenzene
Concen: 55.177 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

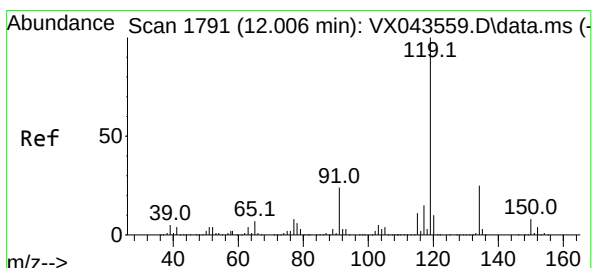
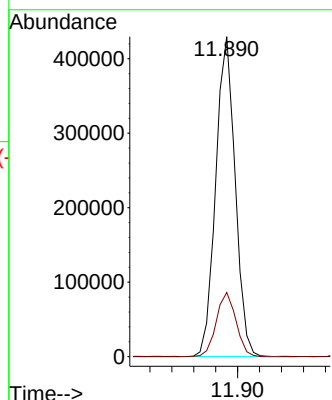
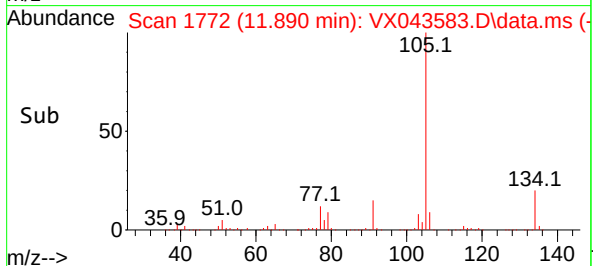
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 52890
Ion Ratio Lower Upper
105 100
134 20.4 9.8 29.5

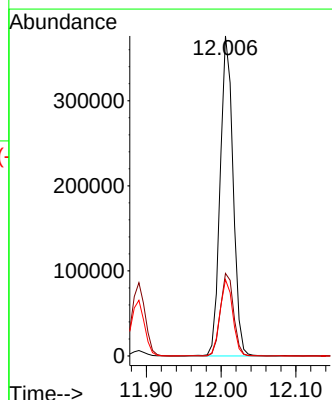
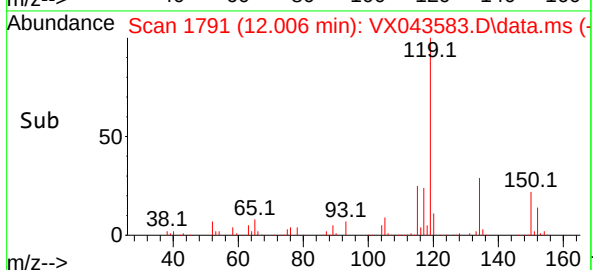
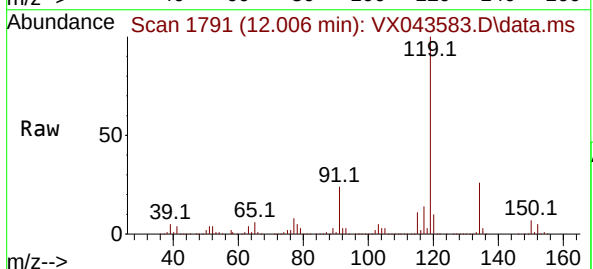
Manual Integrations
APPROVED

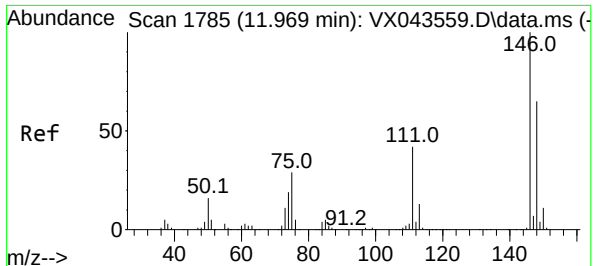
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#86
p-Isopropyltoluene
Concen: 55.469 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:119 Resp: 451954
Ion Ratio Lower Upper
119 100
134 26.4 13.1 39.1
91 23.8 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 52.073 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 232429

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.4

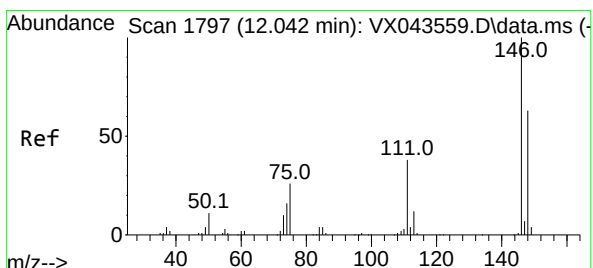
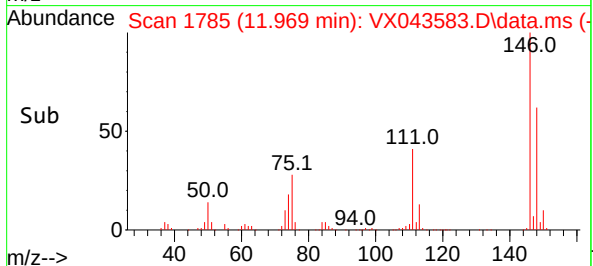
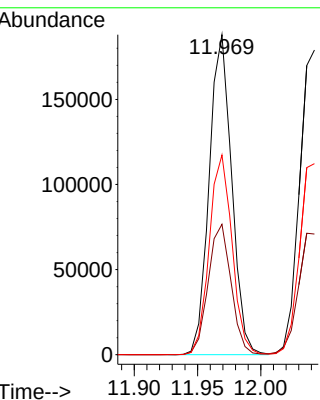
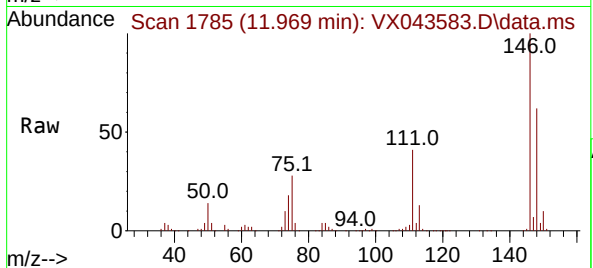
148 63.3 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#88

1,4-Dichlorobenzene

Concen: 49.888 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

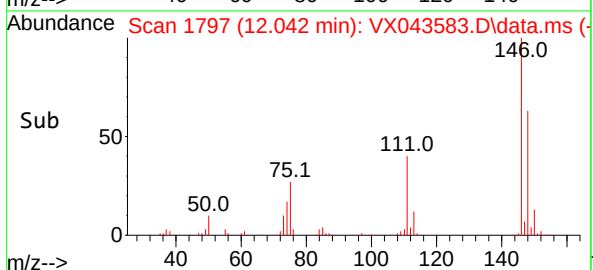
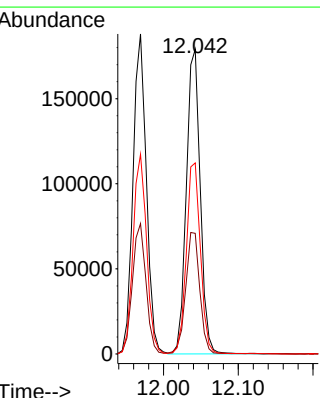
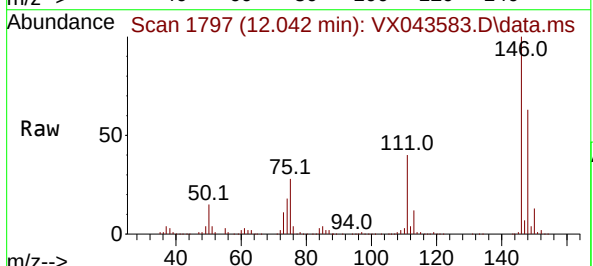
Tgt Ion:146 Resp: 230728

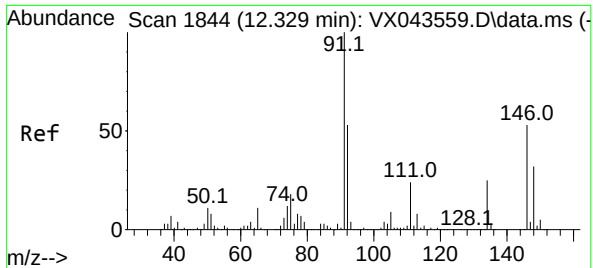
Ion Ratio Lower Upper

146 100

111 40.6 20.4 61.3

148 63.4 31.9 95.9





#89

n-Butylbenzene

Concen: 58.406 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 38777

Ion Ratio Lower Upper

91 100

92 55.0 27.1 81.2

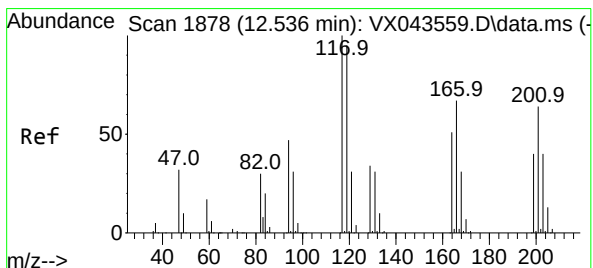
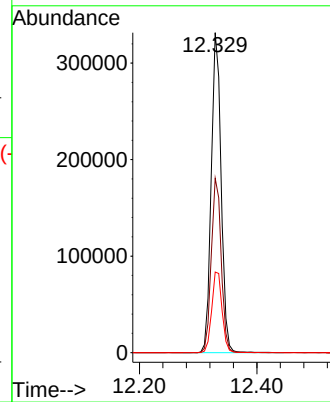
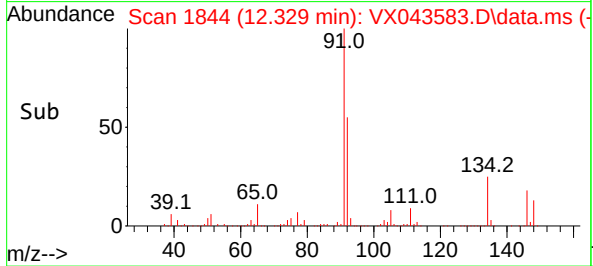
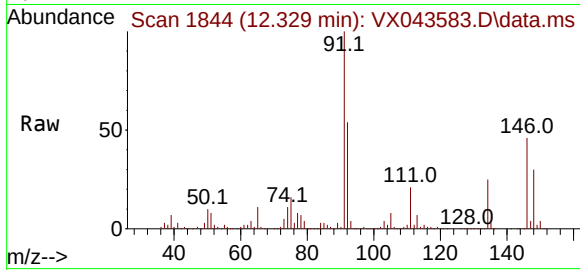
134 26.4 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#90

Hexachloroethane

Concen: 56.903 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043583.D

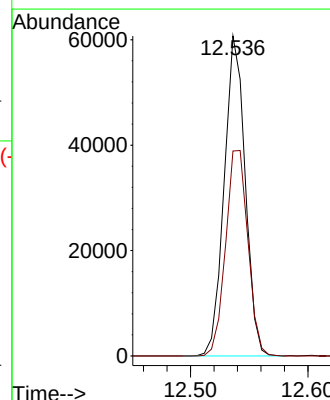
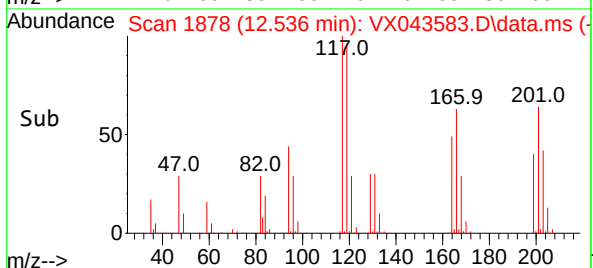
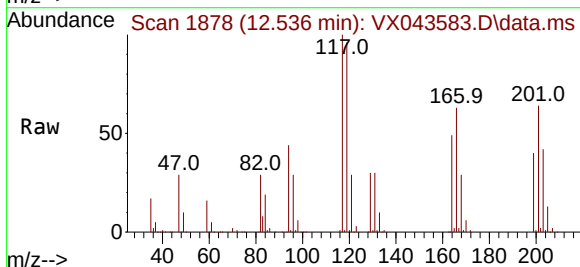
Acq: 29 Oct 2024 09:29

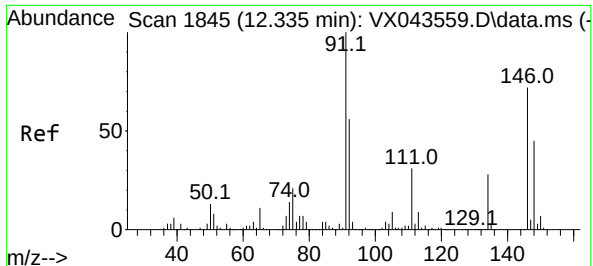
Tgt Ion:117 Resp: 75311

Ion Ratio Lower Upper

117 100

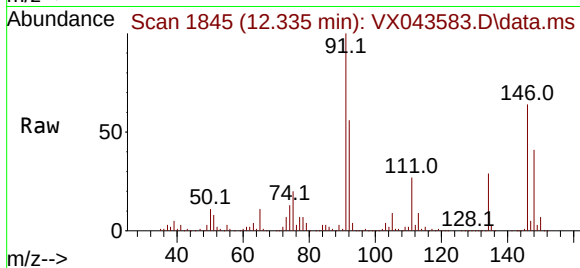
201 68.4 32.9 98.7





#91
1,2-Dichlorobenzene
Concen: 50.664 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

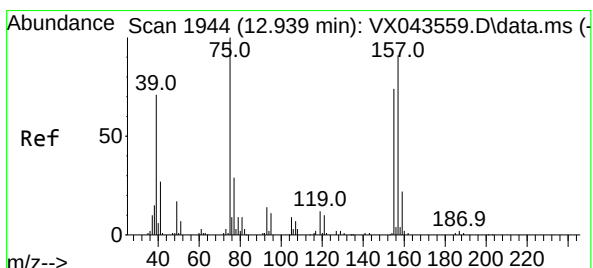
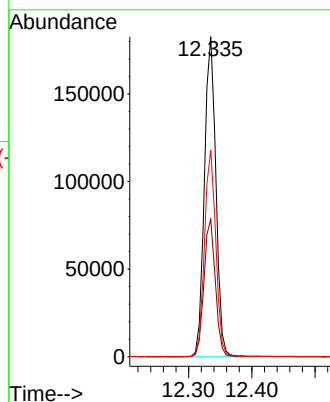
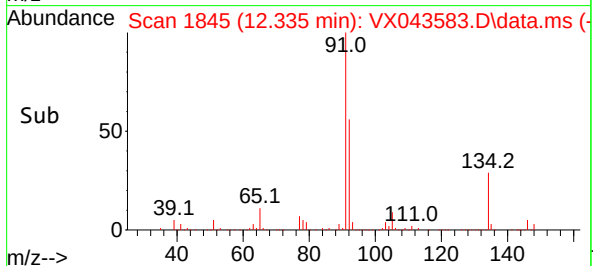
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



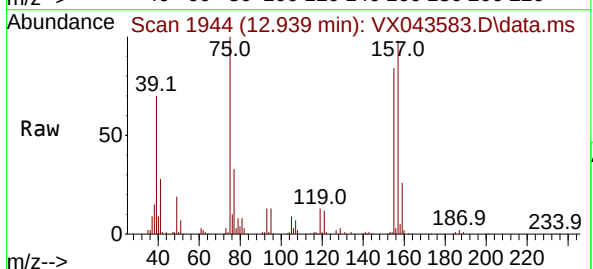
Tgt Ion:146 Resp: 231234
Ion Ratio Lower Upper
146 100
111 42.6 21.6 64.6
148 63.7 31.6 95.0

Manual Integrations
APPROVED

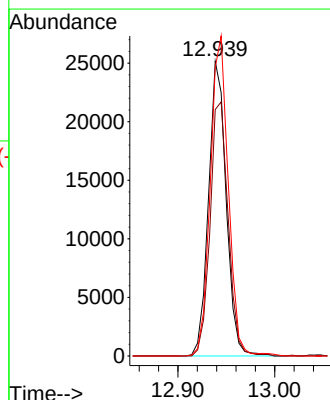
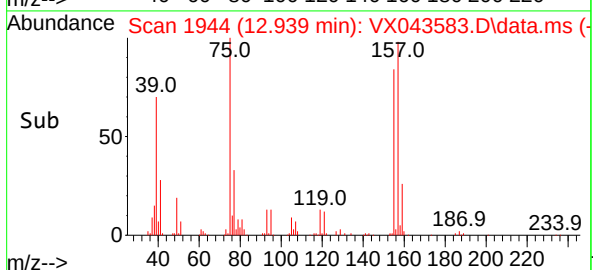
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

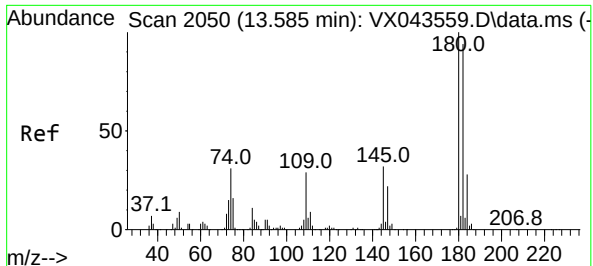


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.194 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29



Tgt Ion: 75 Resp: 31951
Ion Ratio Lower Upper
75 100
155 88.6 40.1 120.3
157 110.4 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 53.771 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 148960

Ion Ratio Lower Upper

180 100

182 96.2 46.8 140.4

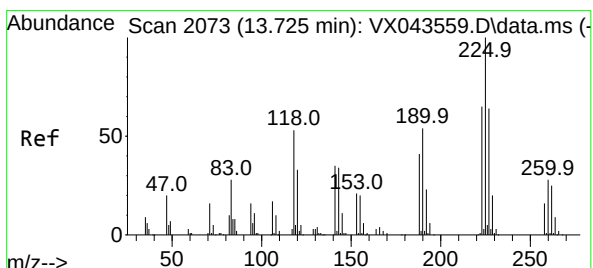
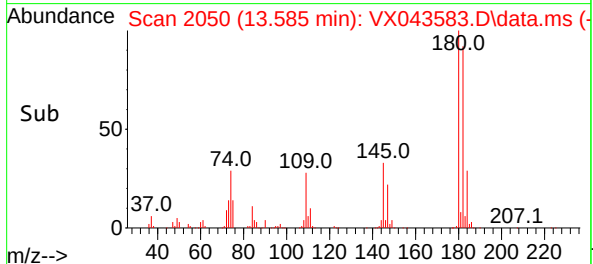
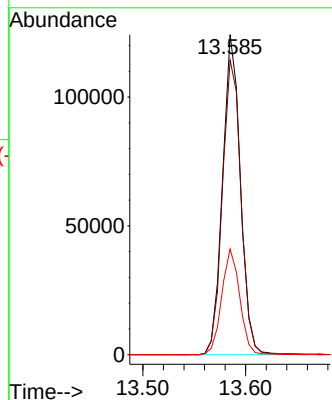
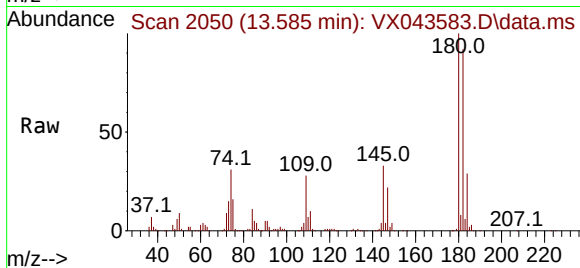
145 33.5 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#94

Hexachlorobutadiene

Concen: 57.574 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

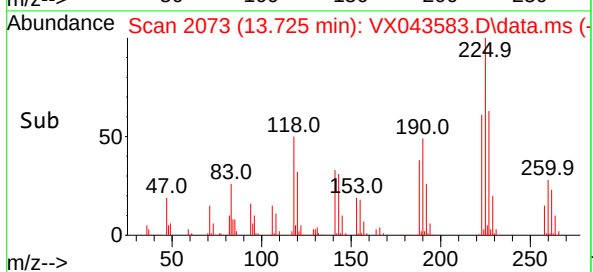
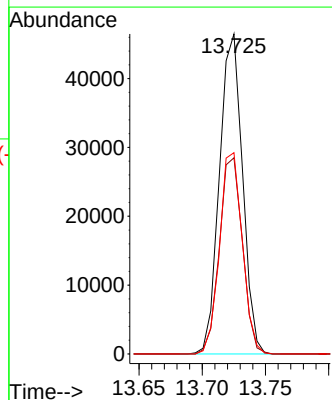
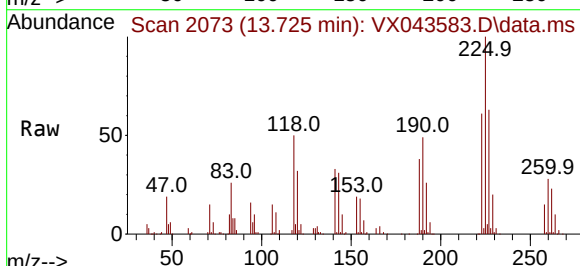
Tgt Ion:225 Resp: 58808

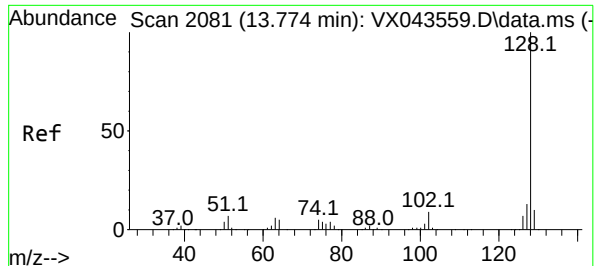
Ion Ratio Lower Upper

225 100

223 61.4 30.8 92.4

227 62.1 31.6 94.8





#95

Naphthalene

Concen: 50.193 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 53211

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

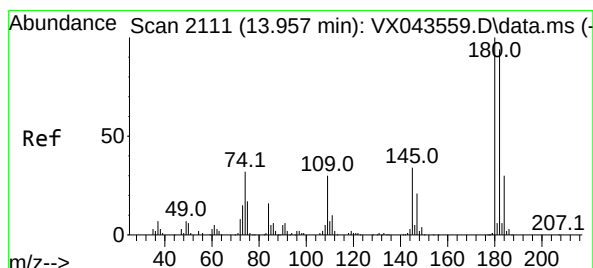
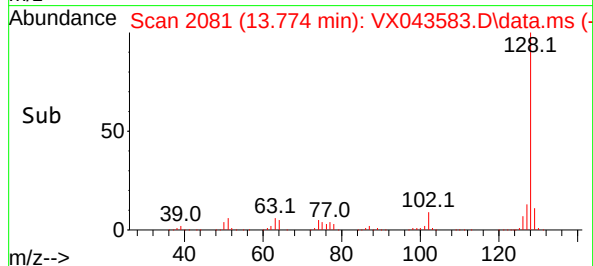
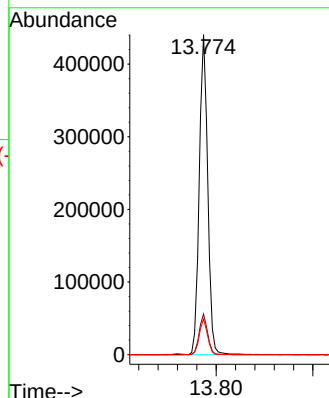
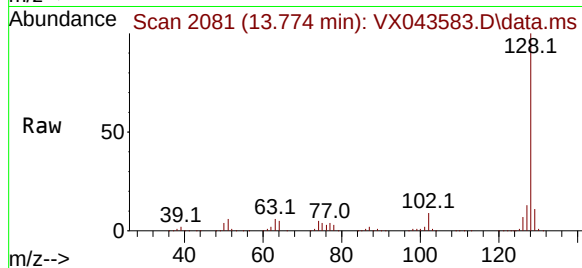
129 10.9 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#96

1,2,3-Trichlorobenzene

Concen: 52.286 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX043583.D

Acq: 29 Oct 2024 09:29

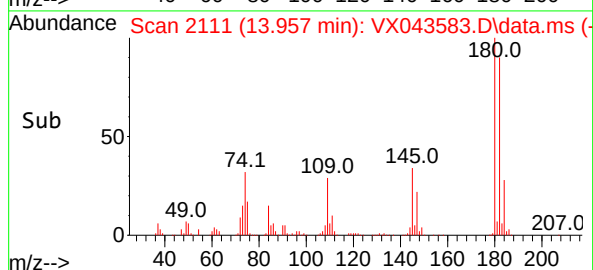
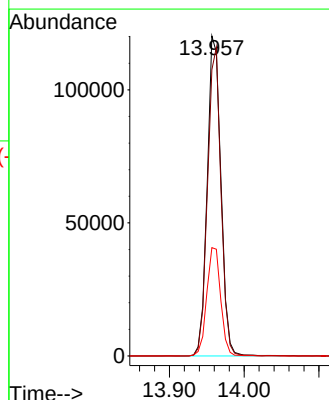
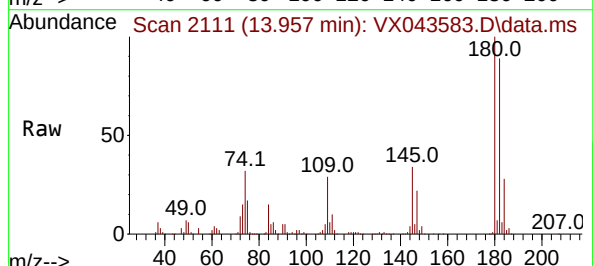
Tgt Ion:180 Resp: 152724

Ion Ratio Lower Upper

180 100

182 94.5 47.1 141.3

145 34.6 17.4 52.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043583.D
 Acq On : 29 Oct 2024 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	124	0.00
2 T	Dichlorodifluoromethane	0.535	0.520	2.8	128	0.00
3 P	Chloromethane	0.684	0.597	12.7	114	0.00
4 C	Vinyl Chloride	0.634	0.613	3.3#	120	0.00
5 T	Bromomethane	0.259	0.236	8.9	112	0.00
6 T	Chloroethane	0.223	0.209	6.3	116	0.00
7 T	Trichlorofluoromethane	0.775	0.759	2.1	121	0.00
8 T	Diethyl Ether	0.358	0.324	9.5	113	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.524	0.542	-3.4	128	0.00
10 T	Methyl Iodide	0.757	0.732	3.3	116	0.00
11 T	Tert butyl alcohol	0.149	0.133	10.7	106	-0.04
12 CM	1,1-Dichloroethene	0.536	0.536	0.0	124	0.00
13 T	Acrolein	0.116	0.101	12.9	115	0.00
14 T	Allyl chloride	0.926	0.882	4.8	115	0.00
15 T	Acrylonitrile	0.336	0.284	15.5	101	-0.01
16 T	Acetone	0.317	0.297	6.3	118	-0.01
17 T	Carbon Disulfide	1.120	1.146	-2.3	126	0.00
18 T	Methyl Acetate	0.925	0.736	20.4	99	0.00
19 T	Methyl tert-butyl Ether	2.037	1.814	10.9	108	0.00
20 T	Methylene Chloride	0.682	0.601	11.9	113	0.00
21 T	trans-1,2-Dichloroethene	0.566	0.555	1.9	123	0.00
22 T	Diisopropyl ether	1.915	1.735	9.4	111	0.00
23 T	Vinyl Acetate	1.582	1.472	7.0	108	0.00
24 P	1,1-Dichloroethane	1.101	1.028	6.6	115	0.00
25 T	2-Butanone	0.462	0.403	12.8	104	-0.01
26 T	2,2-Dichloropropane	0.901	0.922	-2.3	129	0.00
27 T	cis-1,2-Dichloroethene	0.723	0.687	5.0	115	0.00
28 T	Bromochloromethane	0.524	0.462	11.8	113	0.00
29 T	Tetrahydrofuran	0.300	0.244	18.7	98	-0.01
30 C	Chloroform	1.154	1.065	7.7#	114	0.00
31 T	Cyclohexane	0.842	0.867	-3.0	128	0.00
32 T	1,1,1-Trichloroethane	0.969	0.948	2.2	119	0.00
33 S	1,2-Dichloroethane-d4	0.797	0.708	11.2	112	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	117	0.00
35 S	Dibromofluoromethane	0.339	0.345	-1.8	120	-0.01
36 T	1,1-Dichloropropene	0.402	0.418	-4.0	126	0.00
37 T	Ethyl Acetate	0.488	0.435	10.9	101	-0.01
38 T	Carbon Tetrachloride	0.444	0.466	-5.0	123	0.00
39 T	Methylcyclohexane	0.499	0.574	-15.0	132	0.00
40 TM	Benzene	1.341	1.333	0.6	115	0.00
41 T	Methacrylonitrile	0.256	0.248	3.1	108	0.00
42 TM	1,2-Dichloroethane	0.482	0.452	6.2	107	0.00
43 T	Isopropyl Acetate	0.807	0.737	8.7	103	0.00
44 TM	Trichloroethene	0.333	0.351	-5.4	122	0.00
45 C	1,2-Dichloropropane	0.330	0.327	0.9#	114	0.00
46 T	Dibromomethane	0.254	0.245	3.5	110	0.00
47 T	Bromodichloromethane	0.446	0.461	-3.4	114	0.00
48 T	Methyl methacrylate	0.383	0.359	6.3	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043583.D
 Acq On : 29 Oct 2024 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	0.008	0.008	0.0	108	0.00
50 S	Toluene-d8	1.174	1.260	-7.3	126	0.00
51 T	4-Methyl-2-Pentanone	0.492	0.451	8.3	101	0.00
52 CM	Toluene	0.813	0.854	-5.0#	120	0.00
53 T	t-1,3-Dichloropropene	0.479	0.490	-2.3	113	0.00
54 T	cis-1,3-Dichloropropene	0.510	0.537	-5.3	116	0.00
55 T	1,1,2-Trichloroethane	0.339	0.329	2.9	109	0.00
56 T	Ethyl methacrylate	0.550	0.541	1.6	108	0.00
57 T	1,3-Dichloropropane	0.563	0.556	1.2	111	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.233	12.4	102	0.00
59 T	2-Hexanone	0.374	0.352	5.9	103	0.00
60 T	Dibromochloromethane	0.335	0.358	-6.9	114	0.00
61 T	1,2-Dibromoethane	0.351	0.346	1.4	110	0.00
62 S	4-Bromofluorobenzene	0.435	0.471	-8.3	124	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
64 T	Tetrachloroethene	0.314	0.333	-6.1	125	0.00
65 PM	Chlorobenzene	1.076	1.092	-1.5	118	0.00
66 T	1,1,1,2-Tetrachloroethane	0.351	0.374	-6.6	117	0.00
67 C	Ethyl Benzene	1.754	1.860	-6.0#	122	0.00
68 T	m/p-Xylenes	0.671	0.725	-8.0	122	0.00
69 T	o-Xylene	0.674	0.708	-5.0	119	0.00
70 T	Styrene	1.120	1.213	-8.3	119	0.00
71 P	Bromoform	0.253	0.265	-4.7	112	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00
73 T	Isopropylbenzene	3.542	3.725	-5.2	124	0.00
74 T	N-amyl acetate	1.725	1.590	7.8	106	0.00
75 P	1,1,2,2-Tetrachloroethane	1.274	1.176	7.7	108	0.00
76 T	1,2,3-Trichloropropane	1.069	0.968	9.4	107	0.00
77 T	Bromobenzene	0.915	0.927	-1.3	119	0.00
78 T	n-propylbenzene	3.862	4.198	-8.7	125	0.00
79 T	2-Chlorotoluene	2.561	2.574	-0.5	121	0.00
80 T	1,3,5-Trimethylbenzene	2.953	3.138	-6.3	123	0.00
81 T	trans-1,4-Dichloro-2-butene	0.389	0.386	0.8	109	0.00
82 T	4-Chlorotoluene	2.874	2.937	-2.2	121	0.00
83 T	tert-Butylbenzene	3.003	3.205	-6.7	125	0.00
84 T	1,2,4-Trimethylbenzene	3.010	3.213	-6.7	123	0.00
85 T	sec-Butylbenzene	3.520	3.885	-10.4	127	0.00
86 T	p-Isopropyltoluene	2.992	3.320	-11.0	126	0.00
87 T	1,3-Dichlorobenzene	1.639	1.707	-4.1	123	0.00
88 T	1,4-Dichlorobenzene	1.699	1.695	0.2	122	0.00
89 T	n-Butylbenzene	2.438	2.848	-16.8	129	0.00
90 T	Hexachloroethane	0.486	0.553	-13.8	126	0.00
91 T	1,2-Dichlorobenzene	1.676	1.698	-1.3	117	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.260	0.235	9.6	99	0.00
93 T	1,2,4-Trichlorobenzene	1.017	1.094	-7.6	120	0.00
94 T	Hexachlorobutadiene	0.375	0.432	-15.2	138	0.00
95 T	Naphthalene	3.893	3.908	-0.4	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
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	1.073	1.122	-4.6	121	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043583.D
 Acq On : 29 Oct 2024 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	124	0.00
2 T	Dichlorodifluoromethane	50.000	48.609	2.8	128	0.00
3 P	Chloromethane	50.000	43.659	12.7	114	0.00
4 C	Vinyl Chloride	50.000	48.354	3.3#	120	0.00
5 T	Bromomethane	50.000	45.689	8.6	112	0.00
6 T	Chloroethane	50.000	46.843	6.3	116	0.00
7 T	Trichlorofluoromethane	50.000	48.990	2.0	121	0.00
8 T	Diethyl Ether	50.000	45.254	9.5	113	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.739	-3.5	128	0.00
10 T	Methyl Iodide	50.000	48.310	3.4	116	0.00
11 T	Tert butyl alcohol	250.000	223.146	10.7	106	-0.04
12 CM	1,1-Dichloroethene	50.000	50.054	-0.1#	124	0.00
13 T	Acrolein	250.000	216.855	13.3	115	0.00
14 T	Allyl chloride	50.000	47.632	4.7	115	0.00
15 T	Acrylonitrile	250.000	211.215	15.5	101	-0.01
16 T	Acetone	250.000	234.636	6.1	118	-0.01
17 T	Carbon Disulfide	50.000	51.153	-2.3	126	0.00
18 T	Methyl Acetate	50.000	39.751	20.5	99	0.00
19 T	Methyl tert-butyl Ether	50.000	44.520	11.0	108	0.00
20 T	Methylene Chloride	50.000	44.012	12.0	113	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.012	2.0	123	0.00
22 T	Diisopropyl ether	50.000	45.317	9.4	111	0.00
23 T	Vinyl Acetate	250.000	232.674	6.9	108	0.00
24 P	1,1-Dichloroethane	50.000	46.716	6.6	115	0.00
25 T	2-Butanone	250.000	218.384	12.6	104	-0.01
26 T	2,2-Dichloropropane	50.000	51.174	-2.3	129	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.546	4.9	115	0.00
28 T	Bromochloromethane	50.000	44.155	11.7	113	0.00
29 T	Tetrahydrofuran	250.000	203.602	18.6	98	-0.01
30 C	Chloroform	50.000	46.165	7.7#	114	0.00
31 T	Cyclohexane	50.000	51.504	-3.0	128	0.00
32 T	1,1,1-Trichloroethane	50.000	48.957	2.1	119	0.00
33 S	1,2-Dichloroethane-d4	50.000	44.394	11.2	112	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	117	0.00
35 S	Dibromofluoromethane	50.000	50.941	-1.9	120	-0.01
36 T	1,1-Dichloropropene	50.000	51.976	-4.0	126	0.00
37 T	Ethyl Acetate	50.000	44.531	10.9	101	-0.01
38 T	Carbon Tetrachloride	50.000	52.449	-4.9	123	0.00
39 T	Methylcyclohexane	50.000	57.467	-14.9	132	0.00
40 TM	Benzene	50.000	49.678	0.6	115	0.00
41 T	Methacrylonitrile	50.000	48.472	3.1	108	0.00
42 TM	1,2-Dichloroethane	50.000	46.823	6.4	107	0.00
43 T	Isopropyl Acetate	50.000	45.631	8.7	103	0.00
44 TM	Trichloroethene	50.000	52.676	-5.4	122	0.00
45 C	1,2-Dichloropropane	50.000	49.511	1.0#	114	0.00
46 T	Dibromomethane	50.000	48.105	3.8	110	0.00
47 T	Bromodichloromethane	50.000	51.705	-3.4	114	0.00
48 T	Methyl methacrylate	50.000	46.843	6.3	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043583.D
 Acq On : 29 Oct 2024 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	959.544	4.0	108	0.00
50 S	Toluene-d8	50.000	53.676	-7.4	126	0.00
51 T	4-Methyl-2-Pentanone	250.000	229.232	8.3	101	0.00
52 CM	Toluene	50.000	52.511	-5.0#	120	0.00
53 T	t-1,3-Dichloropropene	50.000	51.148	-2.3	113	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.575	-5.2	116	0.00
55 T	1,1,2-Trichloroethane	50.000	48.542	2.9	109	0.00
56 T	Ethyl methacrylate	50.000	49.201	1.6	108	0.00
57 T	1,3-Dichloropropane	50.000	49.396	1.2	111	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	218.483	12.6	102	0.00
59 T	2-Hexanone	250.000	235.767	5.7	103	0.00
60 T	Dibromochloromethane	50.000	53.432	-6.9	114	0.00
61 T	1,2-Dibromoethane	50.000	49.183	1.6	110	0.00
62 S	4-Bromofluorobenzene	50.000	54.171	-8.3	124	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	116	0.00
64 T	Tetrachloroethene	50.000	52.901	-5.8	125	0.00
65 PM	Chlorobenzene	50.000	50.750	-1.5	118	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.255	-6.5	117	0.00
67 C	Ethyl Benzene	50.000	53.028	-6.1#	122	0.00
68 T	m/p-Xylenes	100.000	108.089	-8.1	122	0.00
69 T	o-Xylene	50.000	52.523	-5.0	119	0.00
70 T	Styrene	50.000	54.130	-8.3	119	0.00
71 P	Bromoform	50.000	52.407	-4.8	112	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	119	0.00
73 T	Isopropylbenzene	50.000	52.592	-5.2	124	0.00
74 T	N-ethyl acetate	50.000	46.083	7.8	106	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.182	7.6	108	0.00
76 T	1,2,3-Trichloropropane	50.000	45.276	9.4	107	0.00
77 T	Bromobenzene	50.000	50.686	-1.4	119	0.00
78 T	n-propylbenzene	50.000	54.356	-8.7	125	0.00
79 T	2-Chlorotoluene	50.000	50.257	-0.5	121	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.132	-6.3	123	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.635	0.7	109	0.00
82 T	4-Chlorotoluene	50.000	51.088	-2.2	121	0.00
83 T	tert-Butylbenzene	50.000	53.361	-6.7	125	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.380	-6.8	123	0.00
85 T	sec-Butylbenzene	50.000	55.177	-10.4	127	0.00
86 T	p-Isopropyltoluene	50.000	55.469	-10.9	126	0.00
87 T	1,3-Dichlorobenzene	50.000	52.073	-4.1	123	0.00
88 T	1,4-Dichlorobenzene	50.000	49.888	0.2	122	0.00
89 T	n-Butylbenzene	50.000	58.406	-16.8	129	0.00
90 T	Hexachloroethane	50.000	56.903	-13.8	126	0.00
91 T	1,2-Dichlorobenzene	50.000	50.664	-1.3	117	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.194	9.6	99	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.771	-7.5	120	0.00
94 T	Hexachlorobutadiene	50.000	57.574	-15.1	138	0.00
95 T	Naphthalene	50.000	50.193	-0.4	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.286	-4.6	121	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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 19:29

Lab File ID: VX043608.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.684	0.630	0.1	-7.89	50
Vinyl Chloride	0.634	0.622		-1.89	50
Bromomethane	0.259	0.257		-0.77	50
Chloroethane	0.223	0.220		-1.35	50
Trichlorofluoromethane	0.775	0.787		1.55	50
1,1,2-Trichlorotrifluoroethane	0.524	0.521		-0.57	50
1,1-Dichloroethene	0.536	0.539		0.56	50
Acetone	0.317	0.294		-7.26	50
Carbon Disulfide	1.120	1.013		-9.55	50
Methyl tert-butyl Ether	2.037	2.113		3.73	50
Methylene Chloride	0.682	0.675		-1.03	50
trans-1,2-Dichloroethene	0.566	0.578		2.12	50
1,1-Dichloroethane	1.101	1.100	0.1	-0.09	50
2-Butanone	0.462	0.462		0	50
Carbon Tetrachloride	0.444	0.421		-5.18	50
cis-1,2-Dichloroethene	0.723	0.766		5.95	50
Chloroform	1.154	1.146		-0.69	50
1,1,1-Trichloroethane	0.969	0.953		-1.65	50
Methylcyclohexane	0.499	0.498		-0.2	50
Benzene	1.341	1.365		1.79	50
1,2-Dichloroethane	0.482	0.481		-0.21	50
Trichloroethene	0.333	0.333		0	50
1,2-Dichloropropane	0.330	0.345		4.55	50
Bromodichloromethane	0.446	0.461		3.36	50
4-Methyl-2-Pentanone	0.492	0.510		3.66	50
Toluene	0.813	0.855		5.17	50
t-1,3-Dichloropropene	0.479	0.492		2.71	50
cis-1,3-Dichloropropene	0.510	0.542		6.28	50
1,1,2-Trichloroethane	0.339	0.364		7.38	50
2-Hexanone	0.374	0.380		1.6	50
Dibromochloromethane	0.335	0.362		8.06	50
Tetrachloroethene	0.314	0.314		0	50
Chlorobenzene	1.076	1.088	0.3	1.12	50
Ethyl Benzene	1.754	1.752		-0.11	50
m/p-Xylenes	0.671	0.684		1.94	50
o-Xylene	0.674	0.696		3.26	50
Styrene	1.120	1.189		6.16	50
Bromoform	0.253	0.259	0.1	2.37	50

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 19:29

Lab File ID: VX043608.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.542	3.503		-1.1	50
1,1,2,2-Tetrachloroethane	1.274	1.276	0.3	0.16	50
1,3-Dichlorobenzene	1.639	1.673		2.07	50
1,4-Dichlorobenzene	1.699	1.682		-1	50
1,2-Dichlorobenzene	1.676	1.725		2.92	50
1,2-Dichloroethane-d4	0.797	0.760		-4.64	50
Dibromofluoromethane	0.339	0.345		1.77	50
Toluene-d8	1.174	1.203		2.47	50
4-Bromofluorobenzene	0.435	0.447		2.76	50

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043608.D
 Acq On : 29 Oct 2024 19:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:38:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	145188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	265353	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110394	47.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.380%		
35) Dibromofluoromethane	5.385	113	91660	50.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.880%		
50) Toluene-d8	8.647	98	319178	51.243	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.480%		
62) 4-Bromofluorobenzene	11.079	95	118664	51.413	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	70689	45.527	ug/l	92
3) Chloromethane	1.294	50	91420	46.060	ug/l	99
4) Vinyl Chloride	1.374	62	90322	49.033	ug/l	95
5) Bromomethane	1.593	94	37321	49.698	ug/l	99
6) Chloroethane	1.660	64	31987	49.288	ug/l	96
7) Trichlorofluoromethane	1.867	101	114302	50.793	ug/l	98
8) Diethyl Ether	2.136	74	54976	52.875	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	75661	49.715	ug/l	97
10) Methyl Iodide	2.440	142	113402	51.575	ug/l	98
11) Tert butyl alcohol	3.014	59	114007	263.841	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	78253	50.316	ug/l	93
13) Acrolein	2.239	56	83603	247.404	ug/l	99
14) Allyl chloride	2.654	41	133149	49.498	ug/l	95
15) Acrylonitrile	3.068	53	256153	262.562	ug/l	100
16) Acetone	2.392	43	213222	231.934	ug/l	100
17) Carbon Disulfide	2.501	76	147050	45.217	ug/l	98
18) Methyl Acetate	2.703	43	131374	48.896	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	306719	51.858	ug/l	98
20) Methylene Chloride	2.782	84	97958	49.441	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	83879	51.050	ug/l	98
22) Diisopropyl ether	3.763	45	283296	50.951	ug/l	94
23) Vinyl Acetate	3.721	43	1217460	265.039	ug/l	98
24) 1,1-Dichloroethane	3.599	63	159722	49.980	ug/l	98
25) 2-Butanone	4.562	43	335610	250.264	ug/l	99
26) 2,2-Dichloropropane	4.471	77	114810	43.890	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	111180	52.971	ug/l	95
28) Bromochloromethane	4.897	49	75498	49.662	ug/l	93
29) Tetrahydrofuran	5.007	42	218511	250.734	ug/l	97
30) Chloroform	5.086	83	166347	49.656	ug/l	99
31) Cyclohexane	5.464	56	121093	49.541	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	138292	49.171	ug/l	98
36) 1,1-Dichloropropene	5.684	75	103282	48.407	ug/l	97
37) Ethyl Acetate	4.714	43	131589	50.801	ug/l	98
38) Carbon Tetrachloride	5.672	117	111743	47.400	ug/l	96
39) Methylcyclohexane	7.372	83	132174	49.896	ug/l	98
40) Benzene	6.031	78	362305	50.901	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043608.D
 Acq On : 29 Oct 2024 19:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:38:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	71898	52.879	ug/l	97
42) 1,2-Dichloroethane	6.086	62	127532	49.839	ug/l	97
43) Isopropyl Acetate	6.342	43	215773	50.370	ug/l	98
44) Trichloroethene	7.123	130	88486	50.041	ug/l	100
45) 1,2-Dichloropropane	7.427	63	91657	52.297	ug/l	98
46) Dibromomethane	7.580	93	69649	51.612	ug/l	97
47) Bromodichloromethane	7.818	83	122263	51.646	ug/l	98
48) Methyl methacrylate	7.696	41	104902	51.651	ug/l	95
49) 1,4-Dioxane	7.665	88	44859	1075.073	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	676072	258.941	ug/l	99
52) Toluene	8.714	92	226884	52.560	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	130475	51.314	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	143839	53.094	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	96667	53.799	ug/l	98
56) Ethyl methacrylate	9.116	69	156001	53.432	ug/l	94
57) 1,3-Dichloropropane	9.305	76	160202	53.607	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	373123	263.875	ug/l	97
59) 2-Hexanone	9.433	43	504664	254.496	ug/l	97
60) Dibromochloromethane	9.518	129	96120	54.022	ug/l	100
61) 1,2-Dibromoethane	9.610	107	99141	53.153	ug/l	99
64) Tetrachloroethene	9.275	164	74378	49.957	ug/l	93
65) Chlorobenzene	10.079	112	257636	50.588	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	86886	52.231	ug/l	98
67) Ethyl Benzene	10.195	91	414752	49.943	ug/l	99
68) m/p-Xylenes	10.299	106	323840	101.972	ug/l	95
69) o-Xylene	10.640	106	164652	51.602	ug/l	96
70) Styrene	10.652	104	281569	53.092	ug/l	99
71) Bromoform	10.799	173	61359	51.301	ug/l #	96
73) Isopropylbenzene	10.963	105	399550	49.457	ug/l	99
74) N-amyl acetate	10.841	43	193011	49.043	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	145515	50.090	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	117730m	48.280	ug/l	
77) Bromobenzene	11.195	156	107968	51.757	ug/l	97
78) n-propylbenzene	11.305	91	440854	50.049	ug/l	98
79) 2-Chlorotoluene	11.366	91	287184	49.168	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	338143	50.200	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	43435	49.002	ug/l	92
82) 4-Chlorotoluene	11.451	91	327663	49.980	ug/l	97
83) tert-Butylbenzene	11.713	119	339813	49.604	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	351886	51.260	ug/l	99
85) sec-Butylbenzene	11.890	105	406636	50.641	ug/l	99
86) p-Isopropyltoluene	12.006	119	343316	50.299	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	190820	51.035	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	191784	49.502	ug/l	99
89) n-Butylbenzene	12.329	91	285567	51.345	ug/l	99
90) Hexachloroethane	12.536	117	55820	50.348	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	196688	51.444	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	28312	47.806	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	124057	53.456	ug/l	99
94) Hexachlorobutadiene	13.725	225	41269	48.231	ug/l	97
95) Naphthalene	13.774	128	470706	53.003	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	126642	51.757	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

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

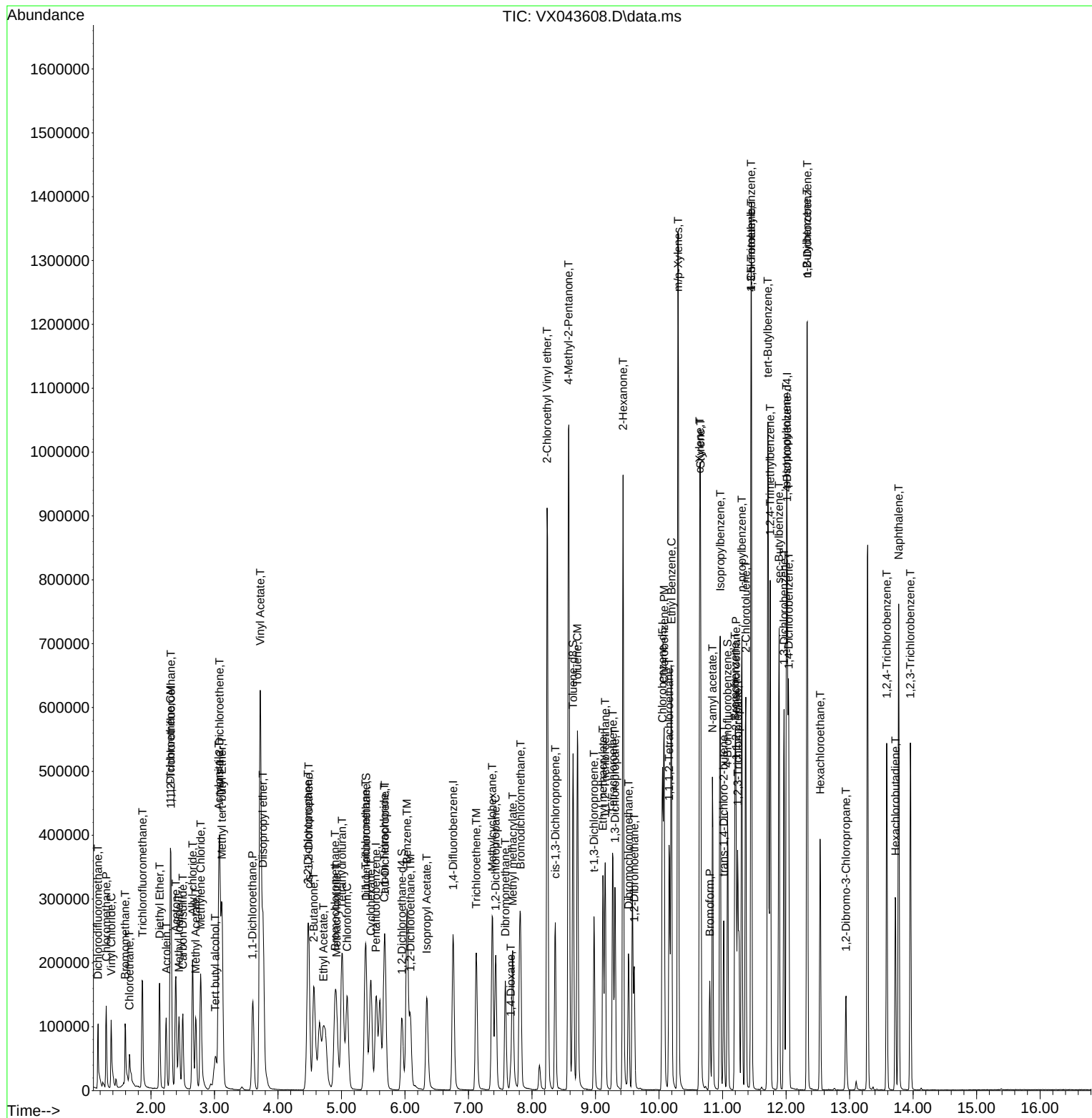
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Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

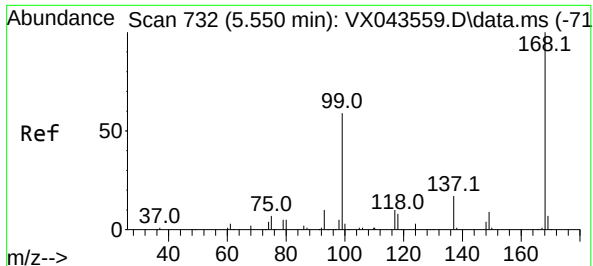
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

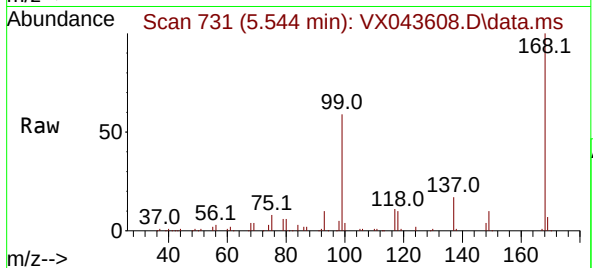
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

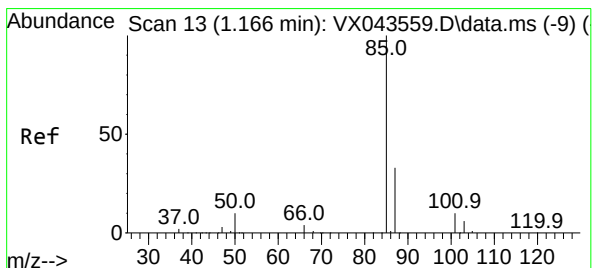
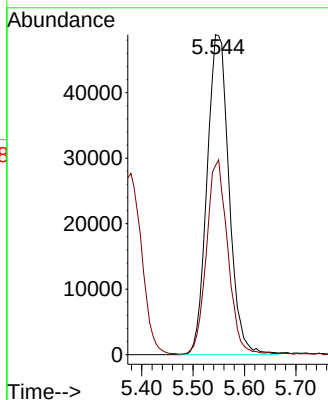
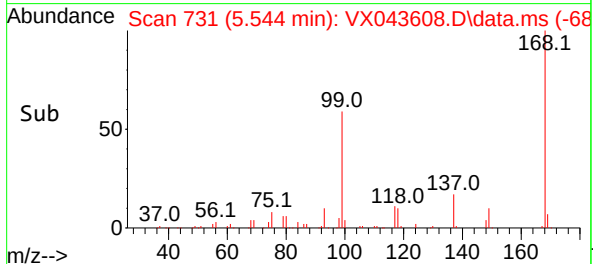
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:168 Resp: 14518
Ion Ratio Lower Upper
168 100
99 58.9 52.6 78.8

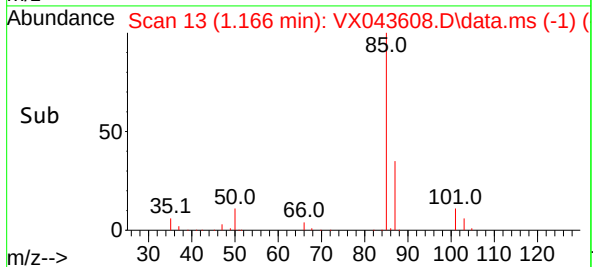
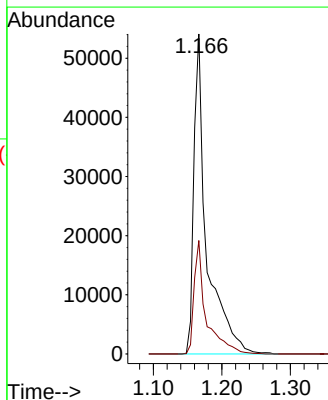
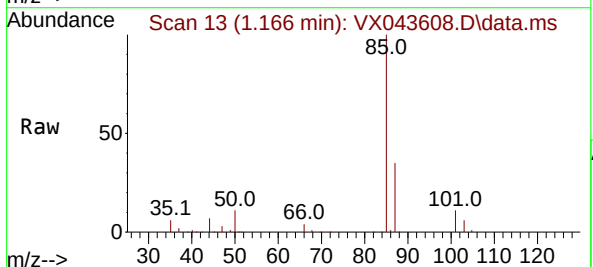
Manual Integrations
APPROVED

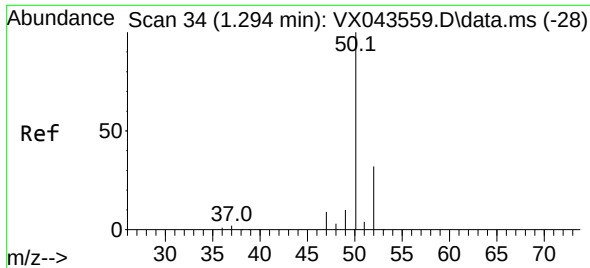
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#2
Dichlorodifluoromethane
Concen: 45.527 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 85 Resp: 70689
Ion Ratio Lower Upper
85 100
87 35.4 15.7 47.0





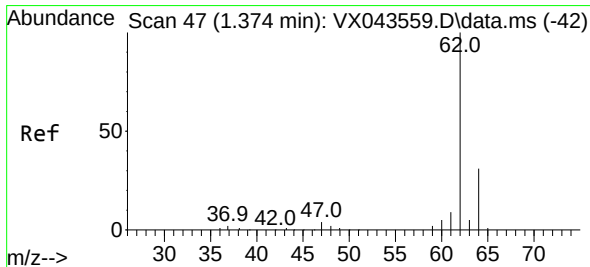
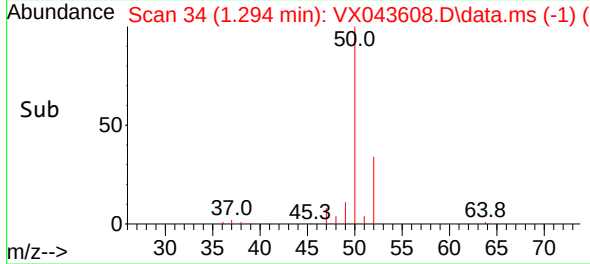
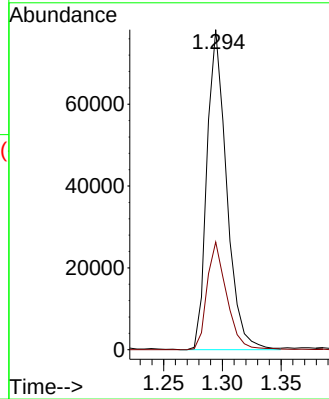
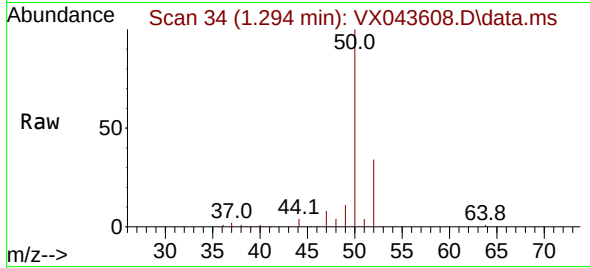
#3
Chloromethane
Concen: 46.060 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 91420
Ion Ratio Lower Upper
50 100
52 33.7 26.3 39.5

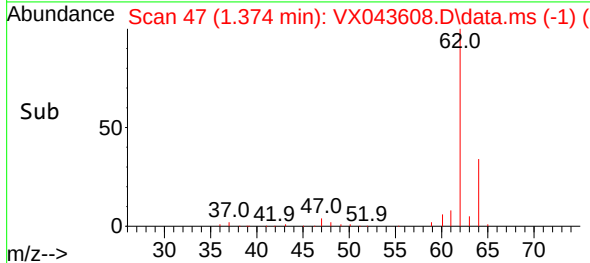
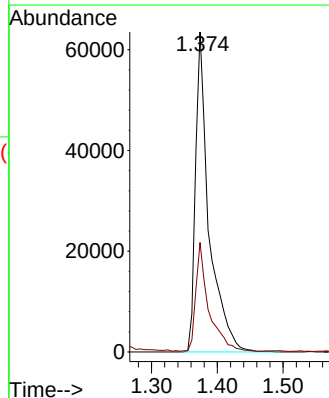
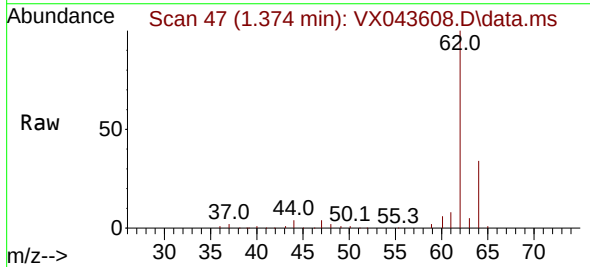
Manual Integrations
APPROVED

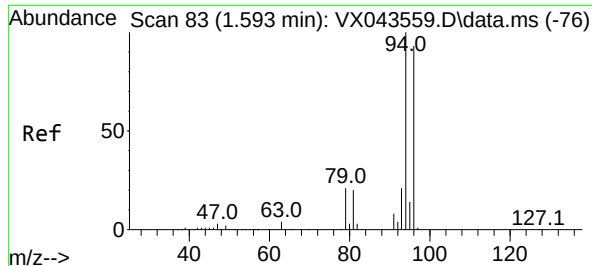
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#4
Vinyl Chloride
Concen: 49.033 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 62 Resp: 90322
Ion Ratio Lower Upper
62 100
64 33.9 25.0 37.4





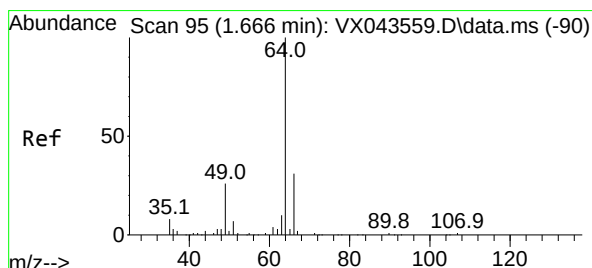
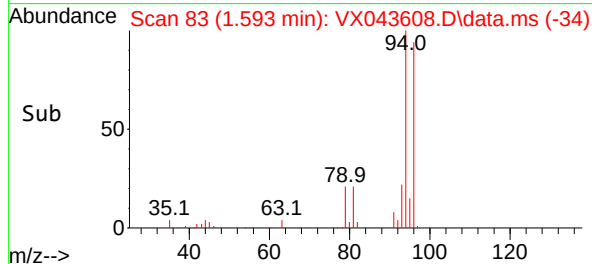
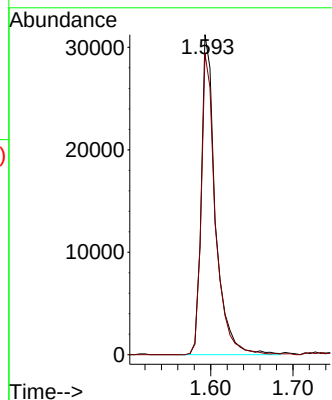
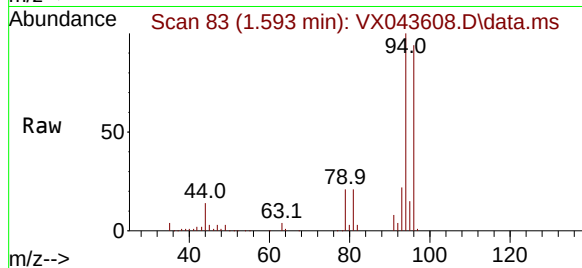
#5
Bromomethane
Concen: 49.698 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 3732
Ion Ratio Lower Upper
94 100
96 94.1 75.9 113.9

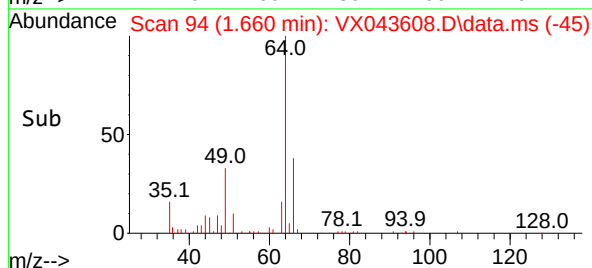
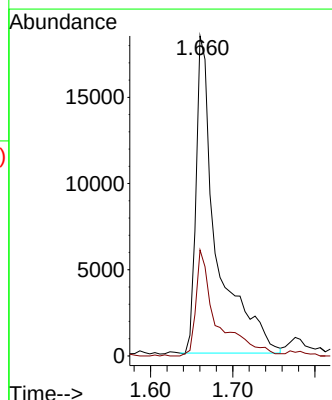
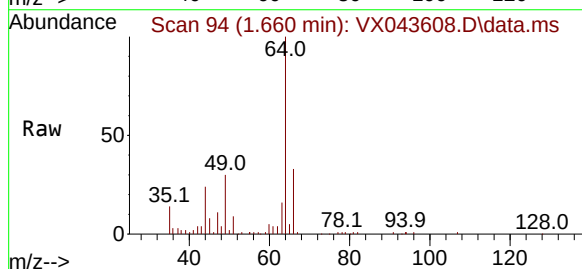
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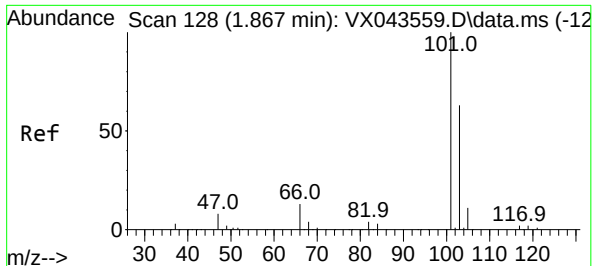
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#6
Chloroethane
Concen: 49.288 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

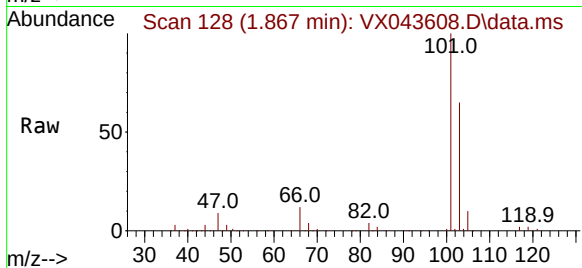
Tgt Ion: 64 Resp: 31987
Ion Ratio Lower Upper
64 100
66 33.4 25.1 37.7





#7
Trichlorofluoromethane
Concen: 50.793 ug/l
RT: 1.867 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

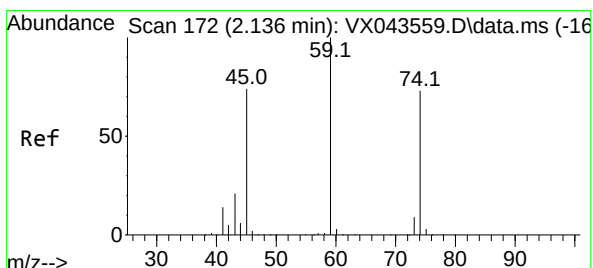
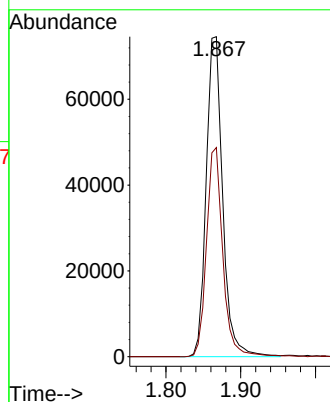
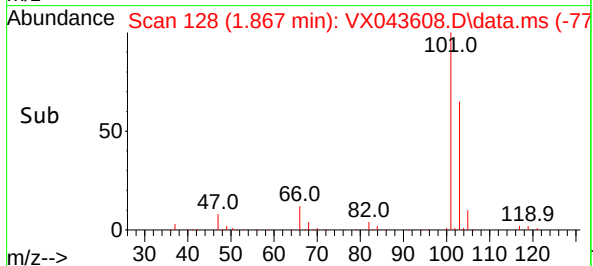
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:101 Resp: 11430
Ion Ratio Lower Upper
101 100
103 65.4 51.3 76.9

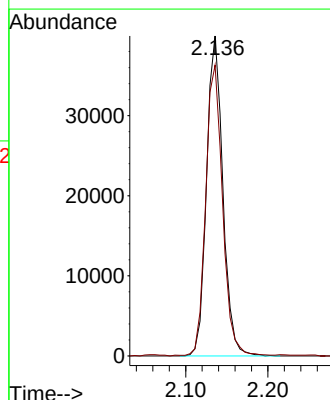
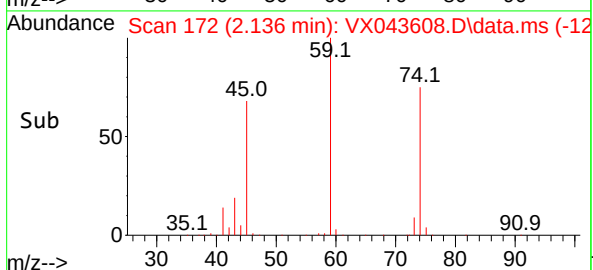
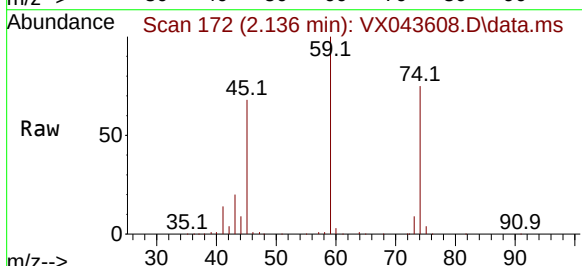
Manual Integrations
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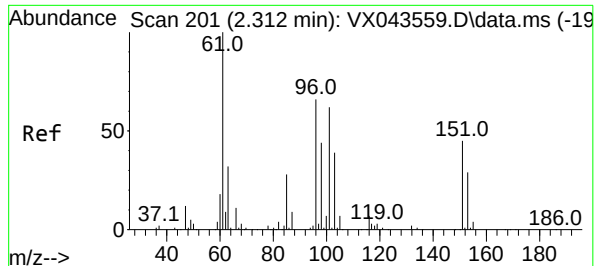
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#8
Diethyl Ether
Concen: 52.875 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 74 Resp: 54976
Ion Ratio Lower Upper
74 100
45 94.5 47.5 142.5





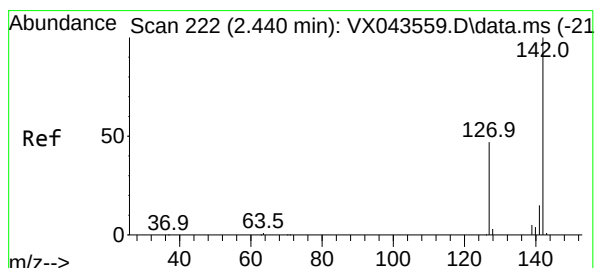
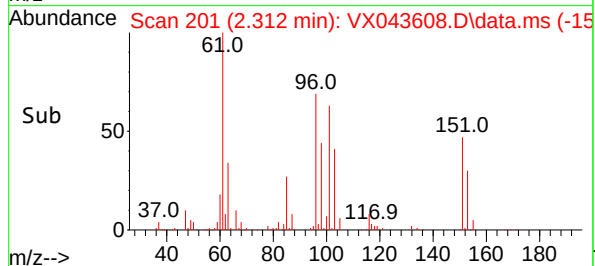
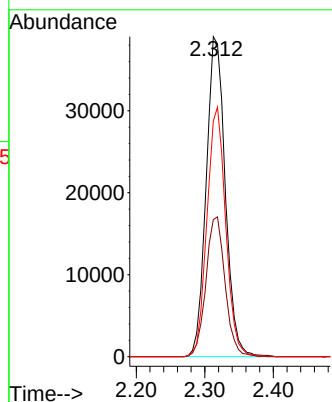
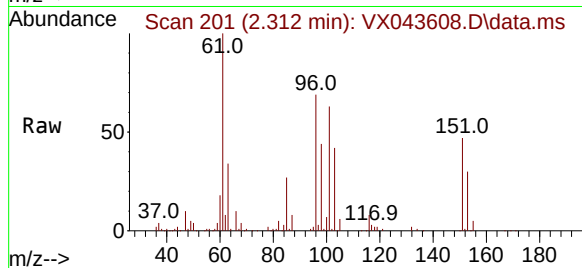
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.715 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 7566
Ion Ratio Lower Upper
101 100
85 43.9 34.5 51.7
151 76.5 58.2 87.2

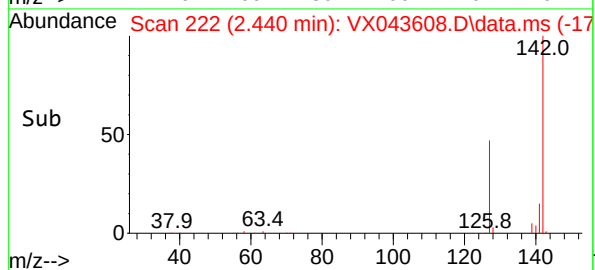
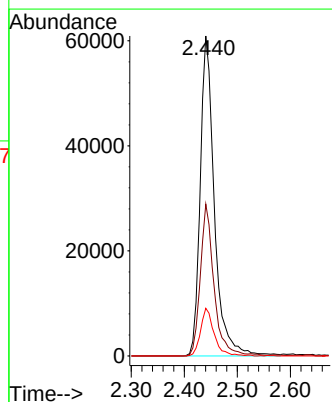
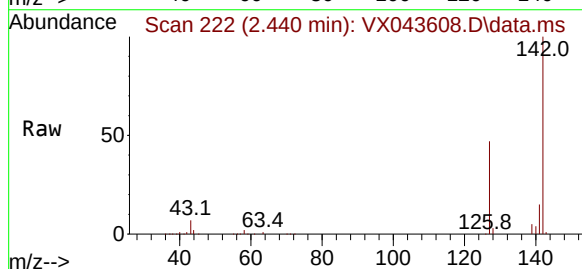
Manual Integrations
APPROVED

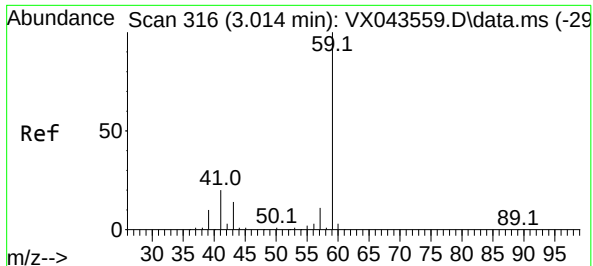
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#10
Methyl Iodide
Concen: 51.575 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:142 Resp: 113402
Ion Ratio Lower Upper
142 100
127 45.9 38.2 57.4
141 14.3 11.5 17.3





#11

Tert butyl alcohol

Concen: 263.841 ug/l

RT: 3.014 min Scan# 316

Delta R.T. -0.036 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 11400

Ion Ratio Lower Upper

59 100

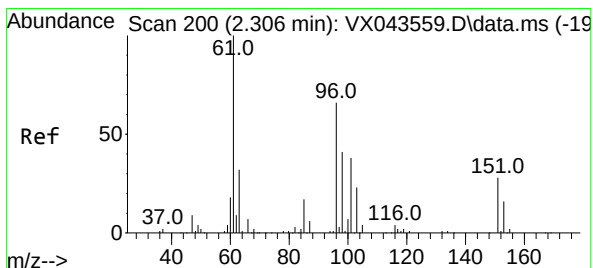
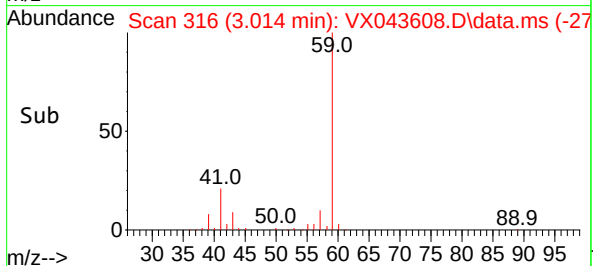
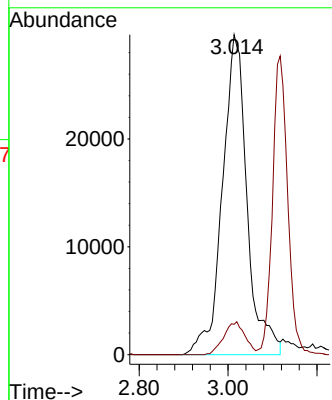
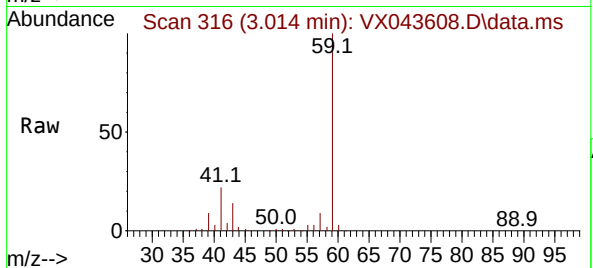
57 8.9 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#12

1,1-Dichloroethene

Concen: 50.316 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

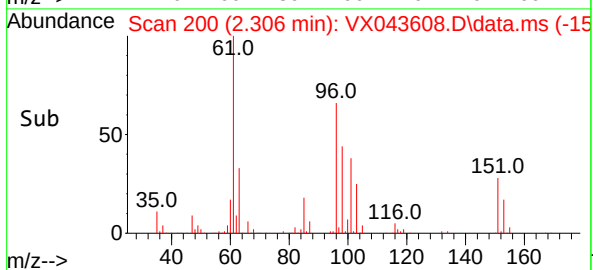
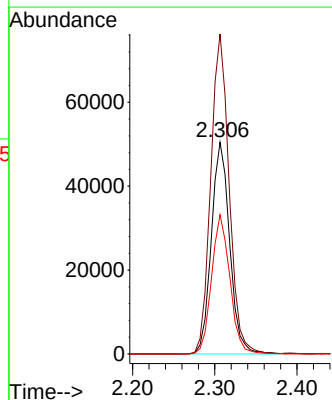
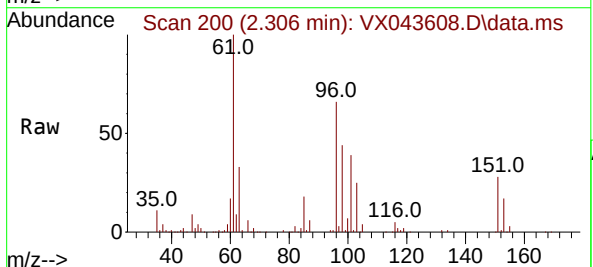
Tgt Ion: 96 Resp: 78253

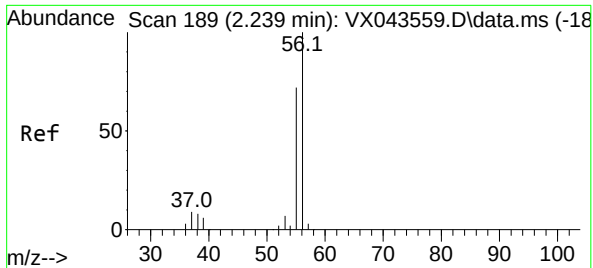
Ion Ratio Lower Upper

96 100

61 151.1 130.2 195.4

98 65.8 51.0 76.6





#13

Acrolein

Concen: 247.404 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 8360

Ion Ratio Lower Upper

56 100

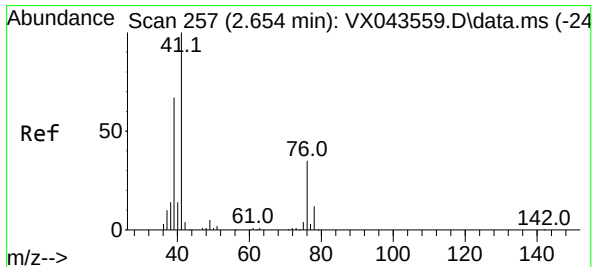
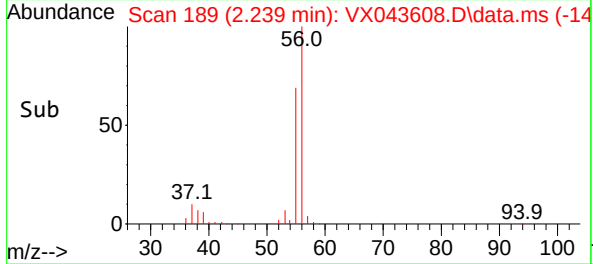
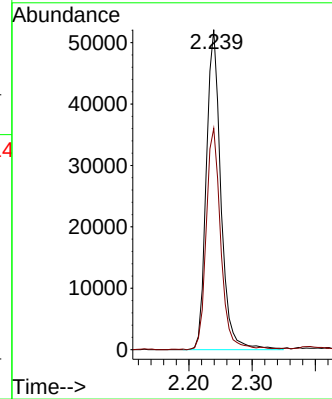
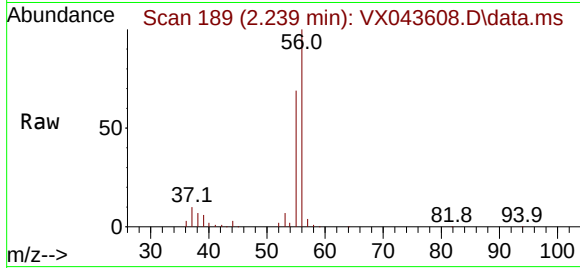
55 68.5 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#14

Allyl chloride

Concen: 49.498 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

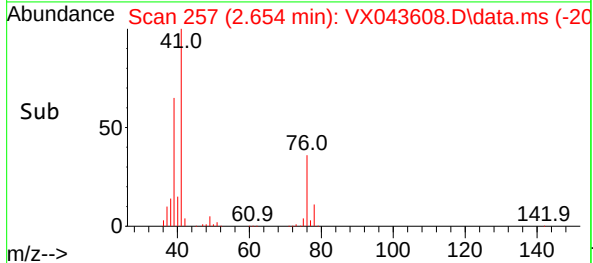
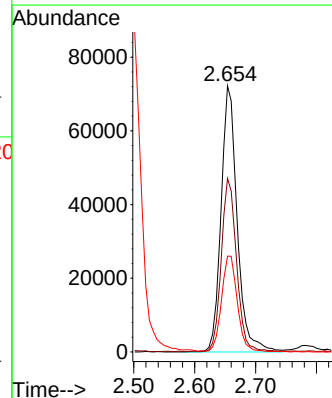
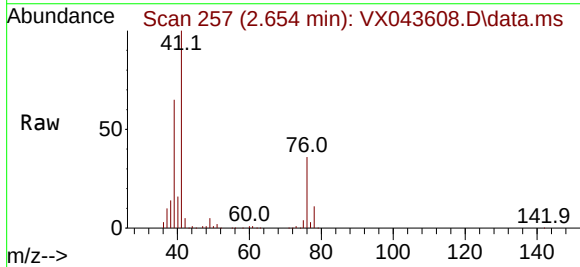
Tgt Ion: 41 Resp: 133149

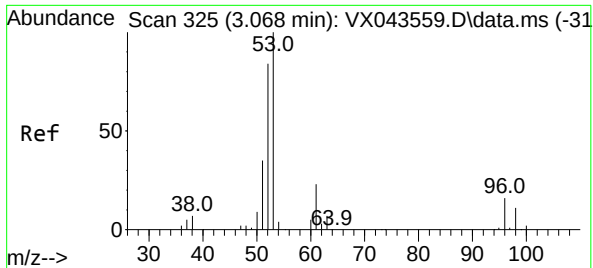
Ion Ratio Lower Upper

41 100

39 61.5 53.2 79.8

76 35.5 27.0 40.6





#15

Acrylonitrile

Concen: 262.562 ug/l

RT: 3.068 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 25615

Ion Ratio Lower Upper

53 100

52 82.0 65.8 98.6

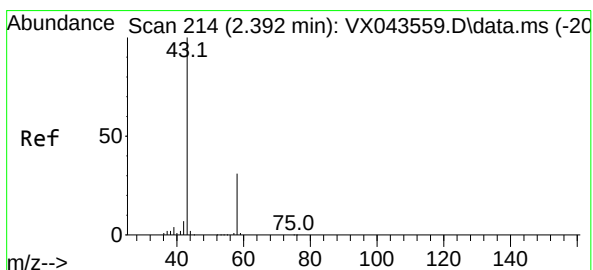
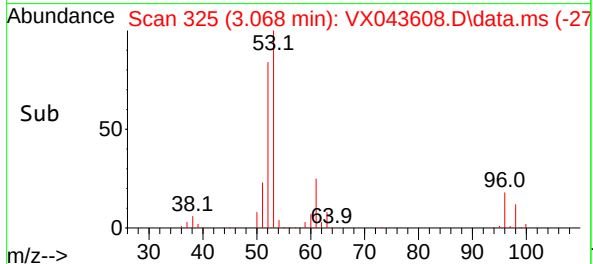
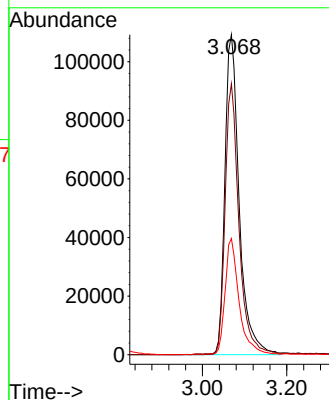
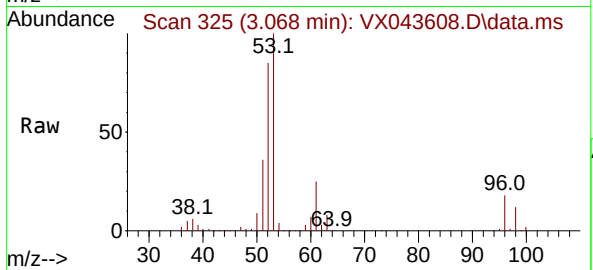
51 35.0 28.5 42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#16

Acetone

Concen: 231.934 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043608.D

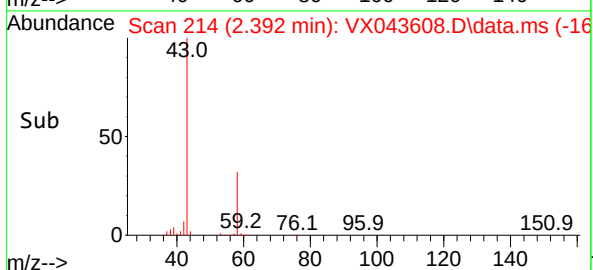
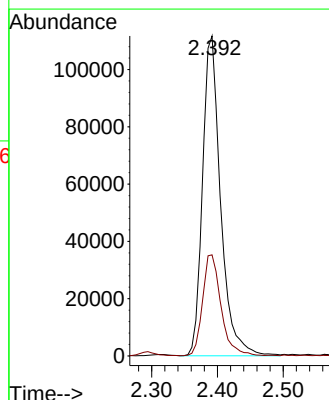
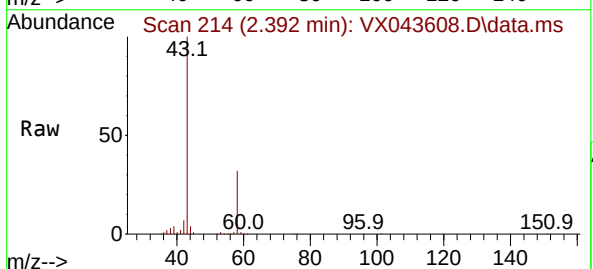
Acq: 29 Oct 2024 19:29

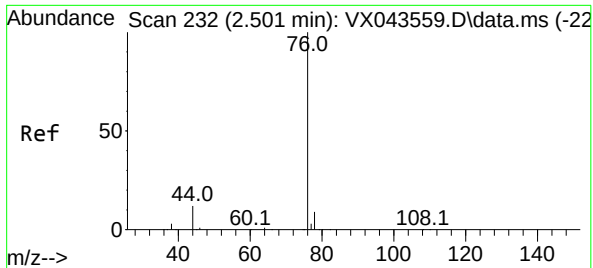
Tgt Ion: 43 Resp: 213222

Ion Ratio Lower Upper

43 100

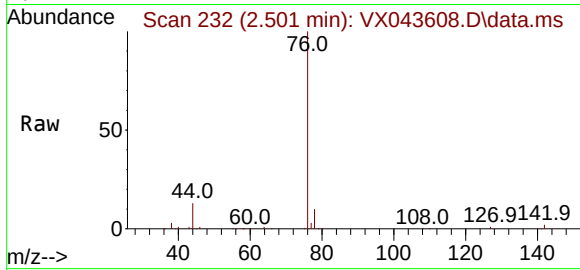
58 31.5 25.1 37.7





#17
Carbon Disulfide
Concen: 45.217 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

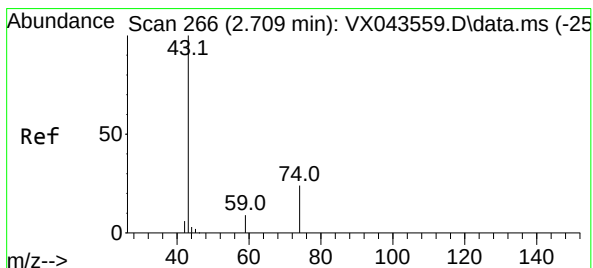
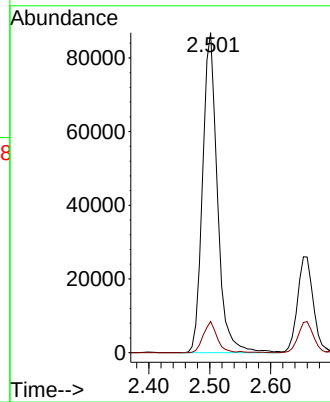
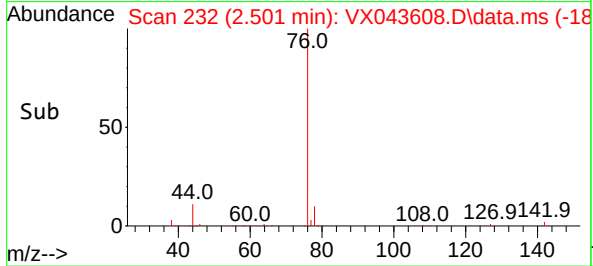
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 147050
Ion Ratio Lower Upper
76 100
78 9.8 7.1 10.7

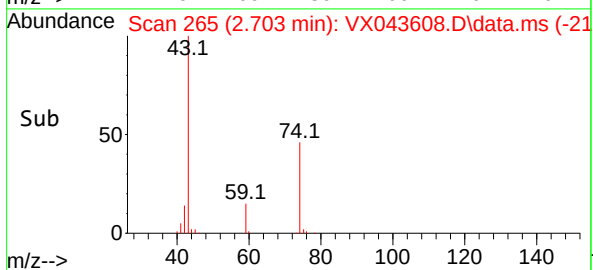
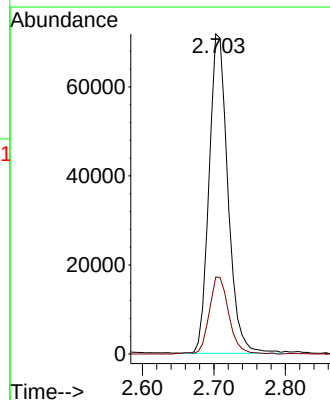
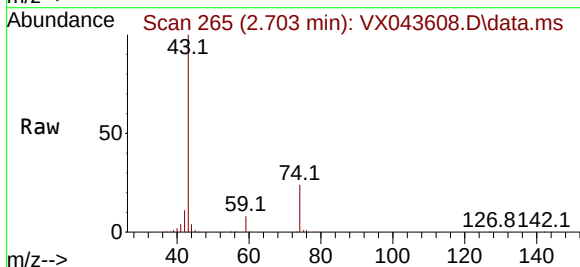
Manual Integrations
APPROVED

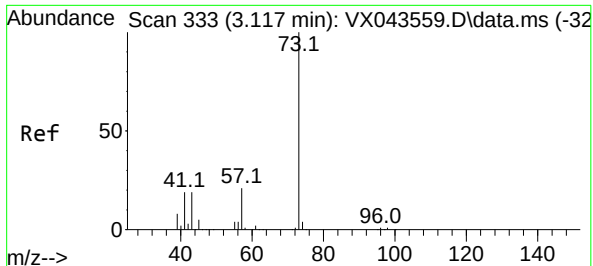
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#18
Methyl Acetate
Concen: 48.896 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 43 Resp: 131374
Ion Ratio Lower Upper
43 100
74 25.1 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 51.858 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 306719

Ion Ratio Lower Upper

73 100

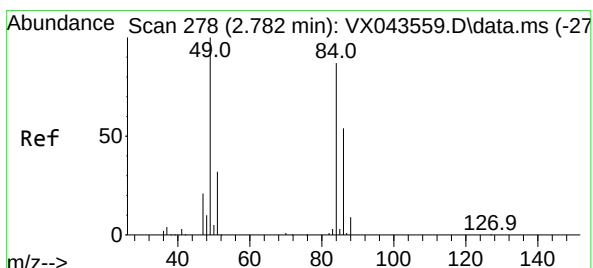
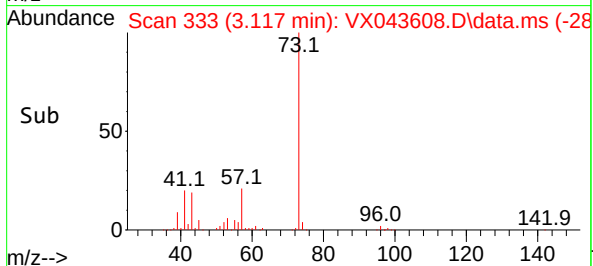
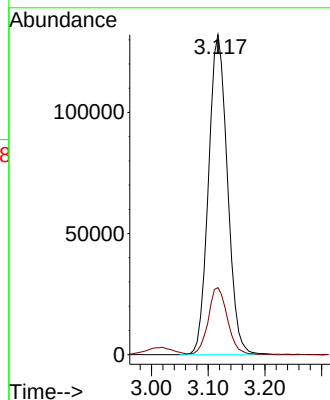
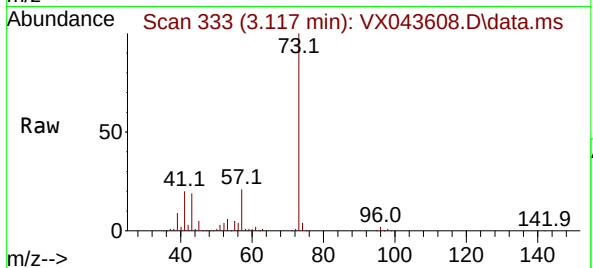
57 21.0 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#20

Methylene Chloride

Concen: 49.441 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Tgt Ion: 84 Resp: 97958

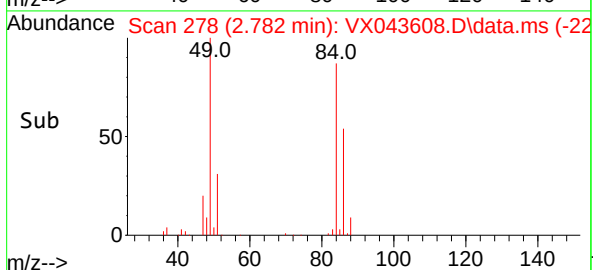
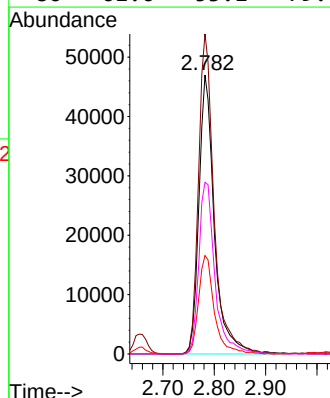
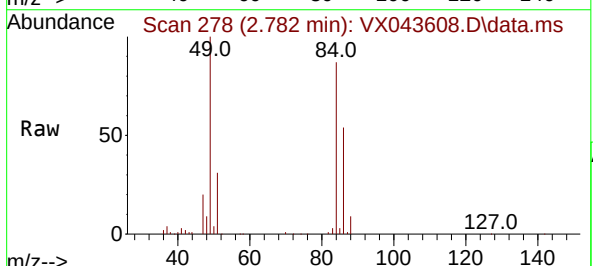
Ion Ratio Lower Upper

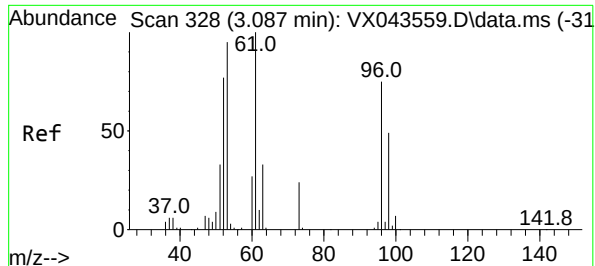
84 100

49 114.8 97.0 145.6

51 35.3 29.8 44.8

86 61.6 53.1 79.7





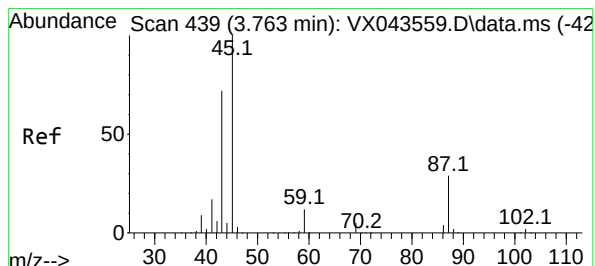
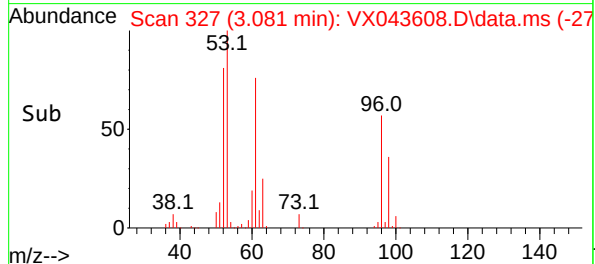
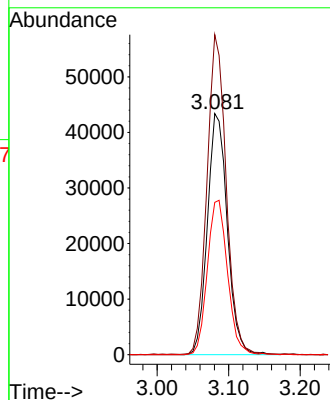
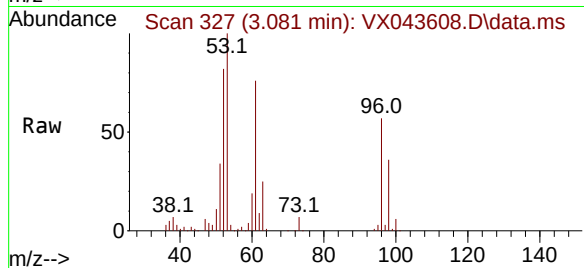
#21
trans-1,2-Dichloroethene
Concen: 51.050 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 83879
Ion Ratio Lower Upper
96 100
61 132.6 107.1 160.7
98 63.2 47.7 71.5

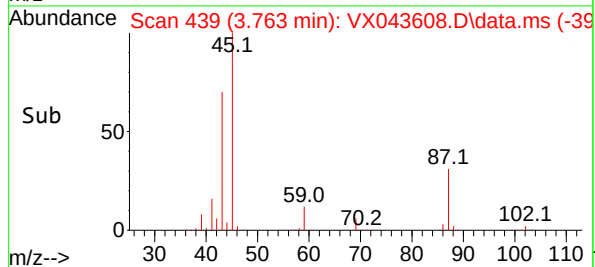
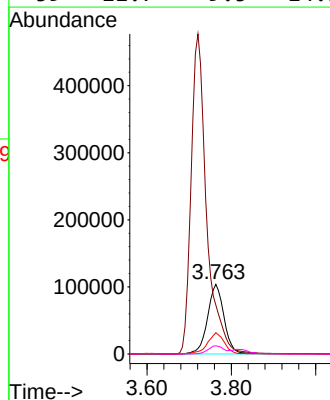
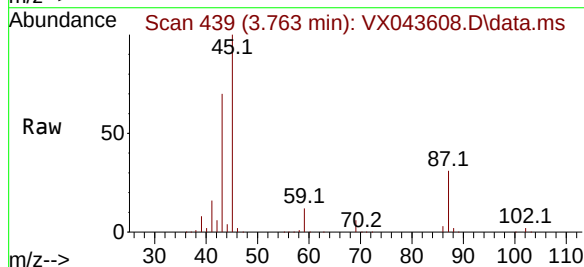
Manual Integrations
APPROVED

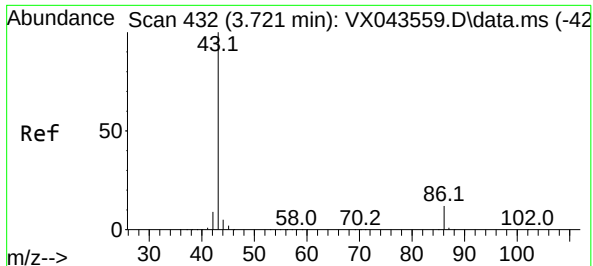
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#22
Diisopropyl ether
Concen: 50.951 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 45 Resp: 283296
Ion Ratio Lower Upper
45 100
43 69.3 60.6 90.8
87 30.7 22.0 33.0
59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 265.039 ug/l

RT: 3.721 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1217460

Ion Ratio Lower Upper

43 100

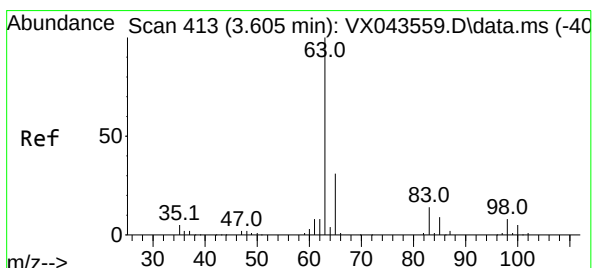
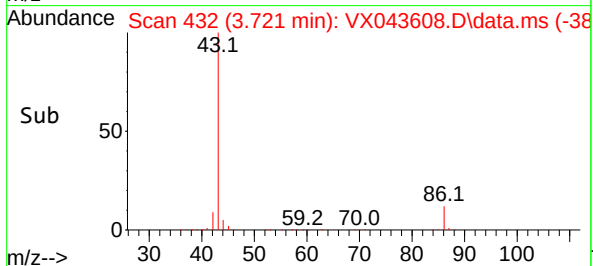
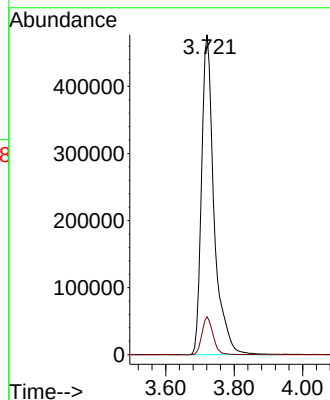
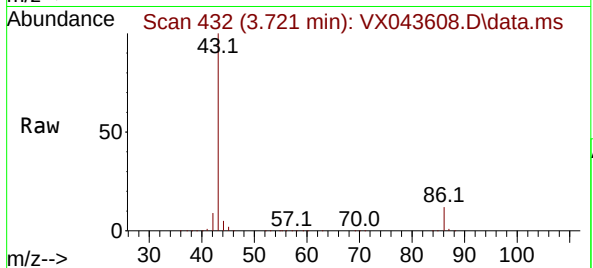
86 11.8 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#24

1,1-Dichloroethane

Concen: 49.980 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

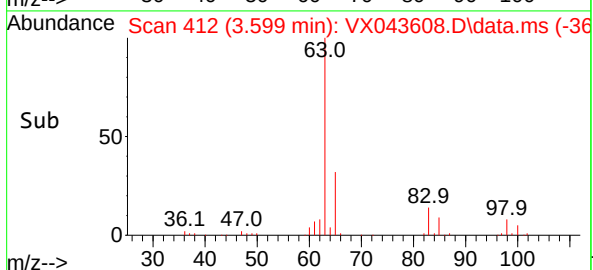
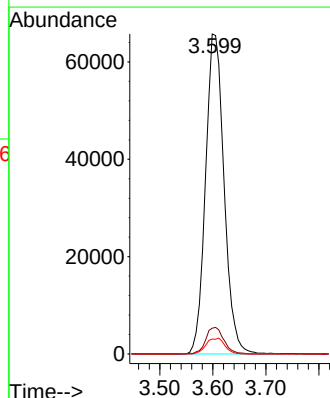
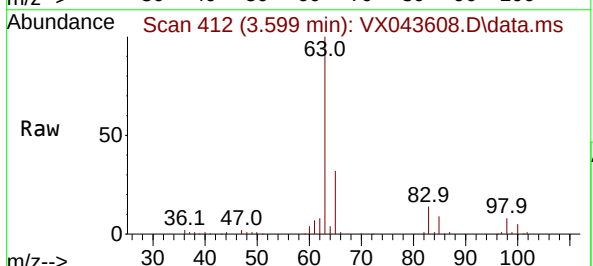
Tgt Ion: 63 Resp: 159722

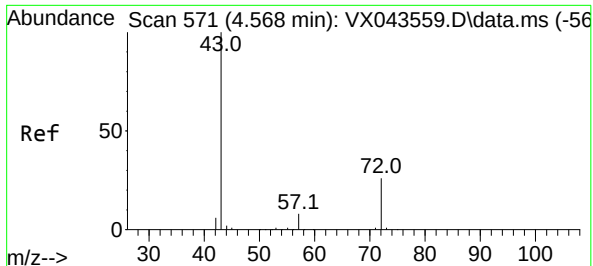
Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.4

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 250.264 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 335610

Ion Ratio Lower Upper

43 100

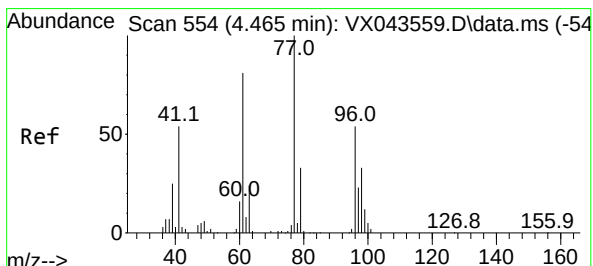
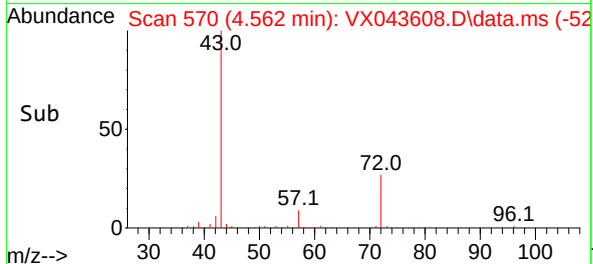
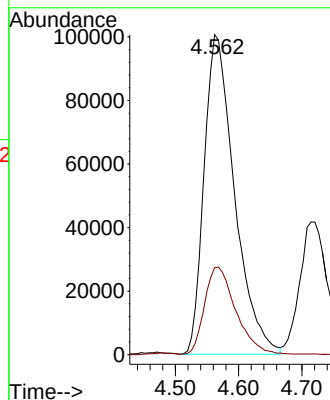
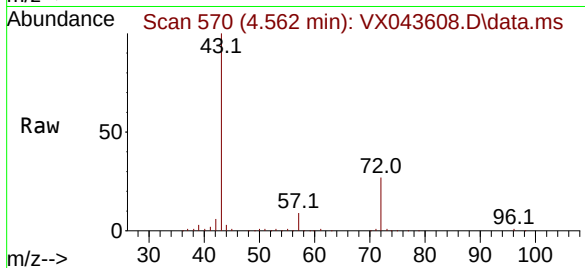
72 27.1 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#26

2,2-Dichloropropane

Concen: 43.890 ug/l

RT: 4.471 min Scan# 555

Delta R.T. -0.000 min

Lab File: VX043608.D

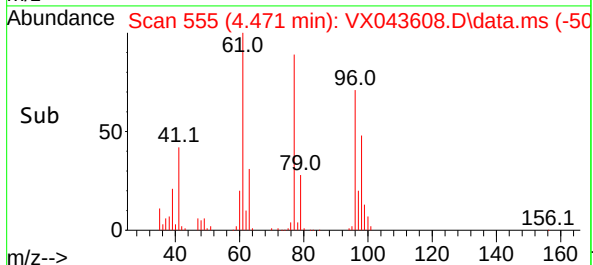
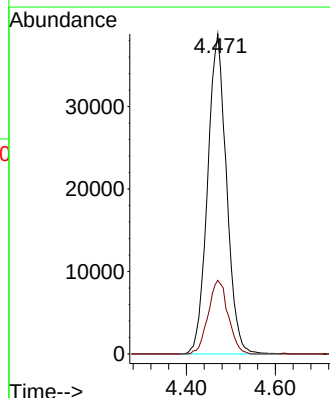
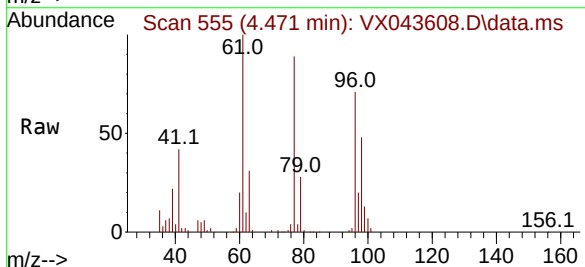
Acq: 29 Oct 2024 19:29

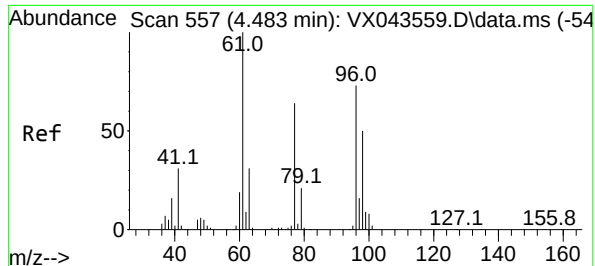
Tgt Ion: 77 Resp: 114810

Ion Ratio Lower Upper

77 100

97 24.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 52.971 ug/l

RT: 4.483 min Scan# 511

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 111180

Ion Ratio Lower Upper

96 100

61 130.1 0.0 277.2

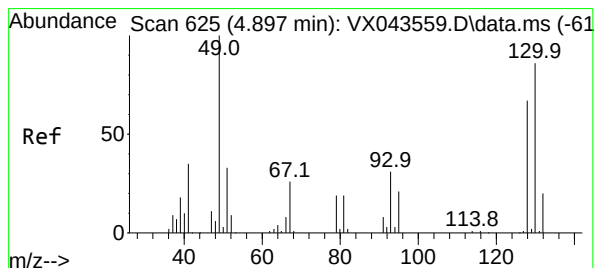
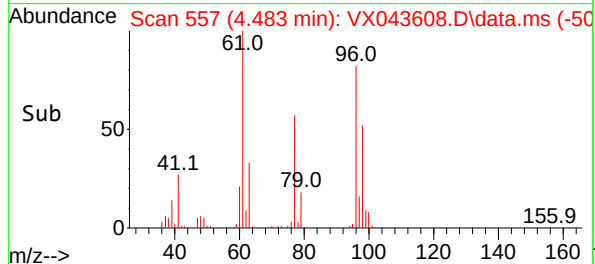
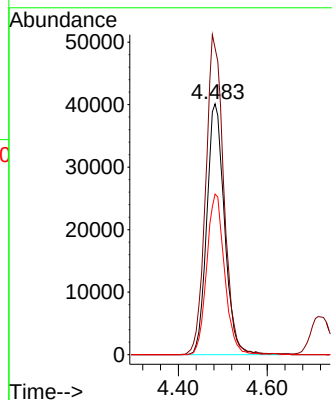
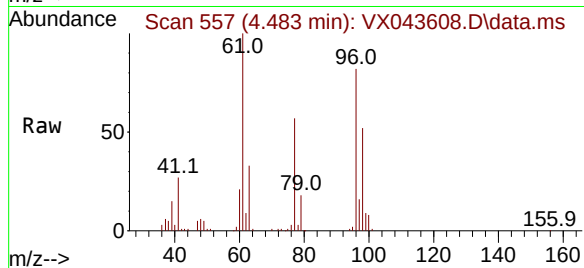
98 64.5 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#28

Bromochloromethane

Concen: 49.662 ug/l

RT: 4.897 min Scan# 625

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

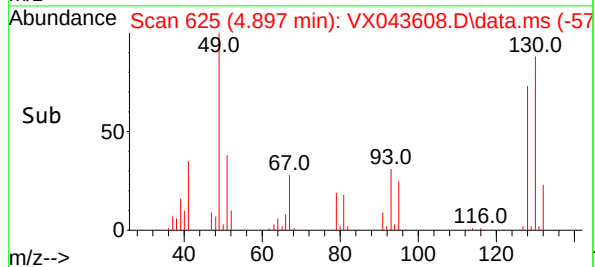
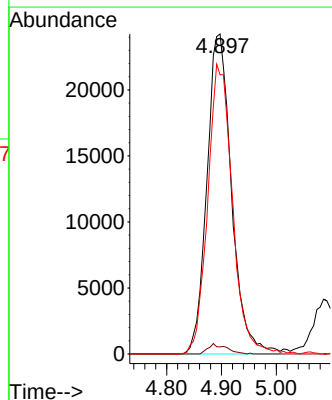
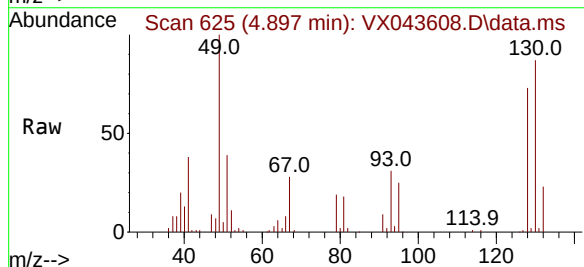
Tgt Ion: 49 Resp: 75498

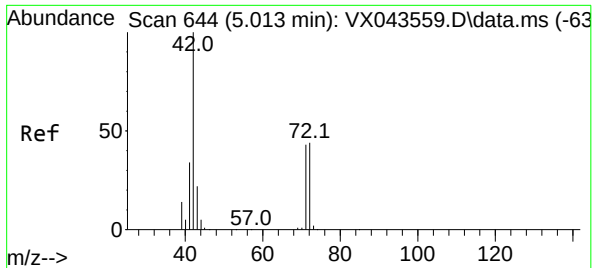
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

130 90.9 67.8 101.8





#29

Tetrahydrofuran

Concen: 250.734 ug/l

RT: 5.007 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 21851

Ion Ratio Lower Upper

42 100

72 48.1 36.6 55.0

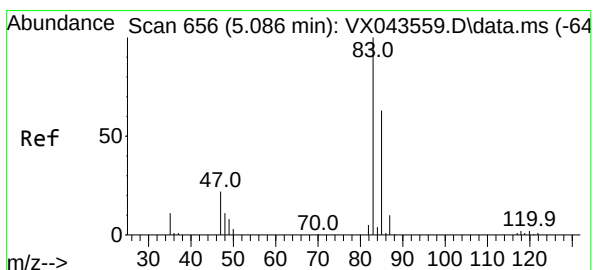
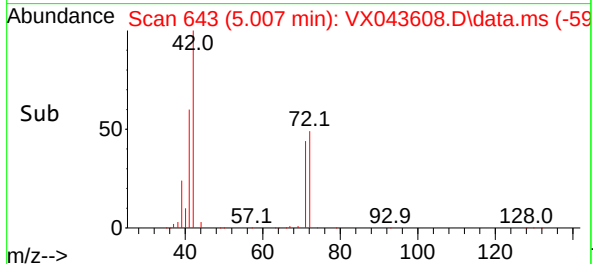
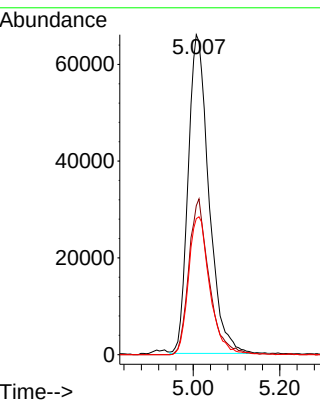
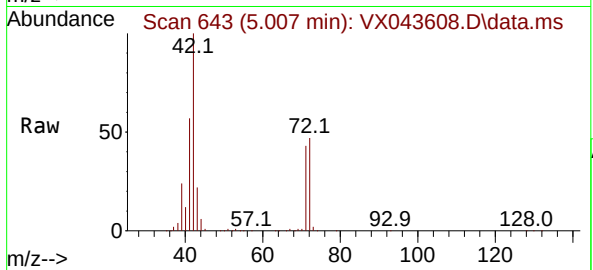
71 44.4 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#30

Chloroform

Concen: 49.656 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX043608.D

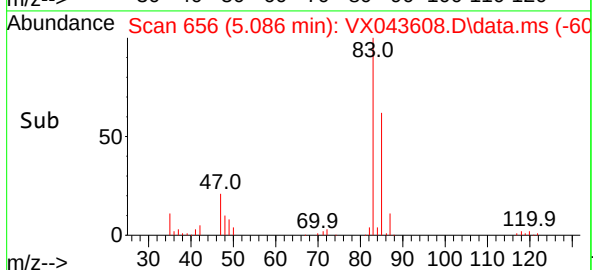
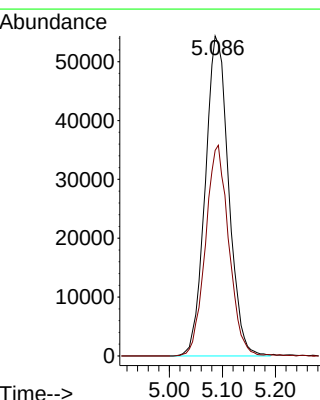
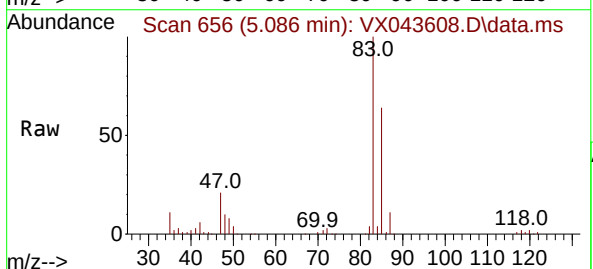
Acq: 29 Oct 2024 19:29

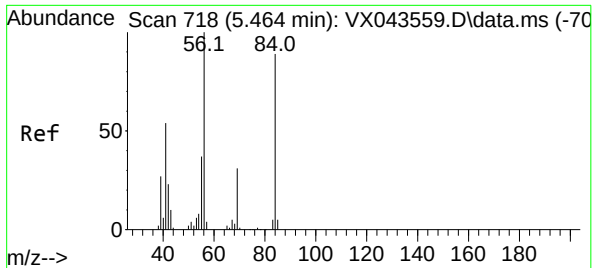
Tgt Ion: 83 Resp: 166347

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.4





#31

Cyclohexane

Concen: 49.541 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX043608.D

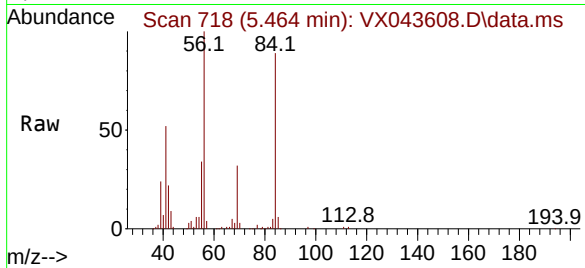
Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 56 Resp: 12109

Ion Ratio Lower Upper

56 100

69 32.1 24.9 37.3

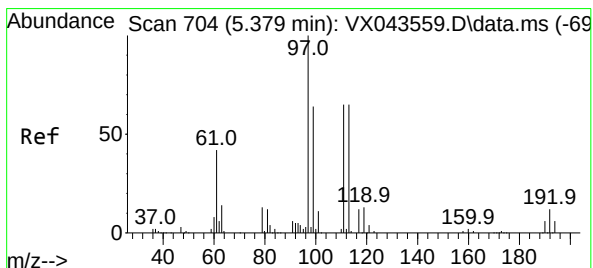
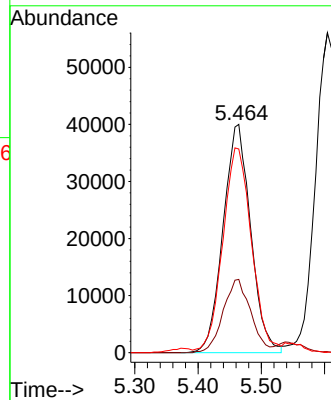
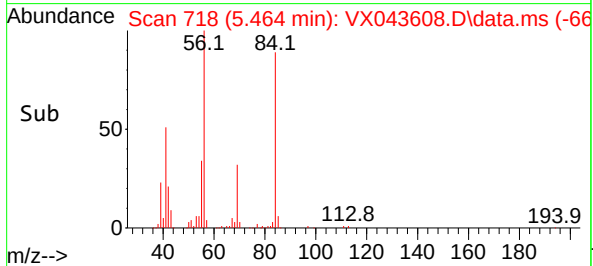
84 87.2 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#32

1,1,1-Trichloroethane

Concen: 49.171 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

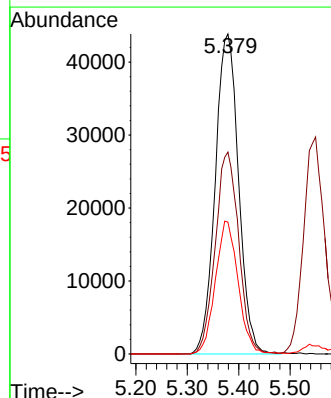
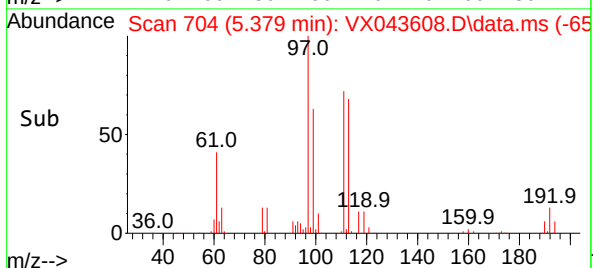
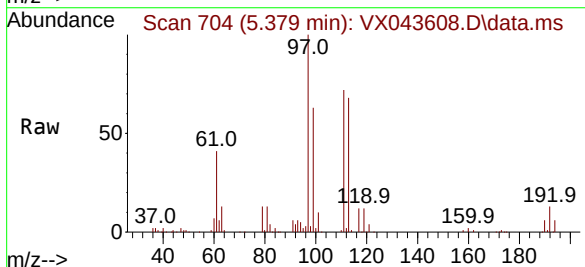
Tgt Ion: 97 Resp: 138292

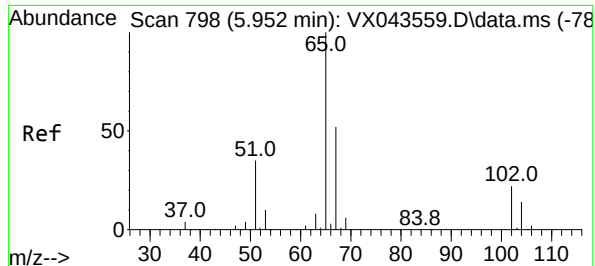
Ion Ratio Lower Upper

97 100

99 63.4 51.4 77.0

61 40.7 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 47.685 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 110394

Ion Ratio Lower Upper

65 100

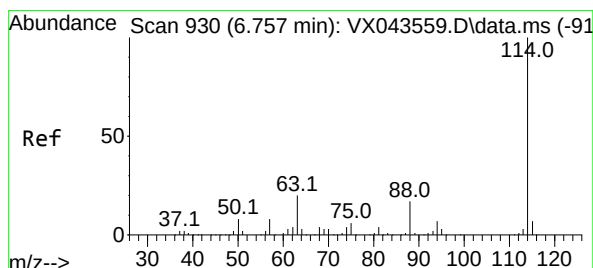
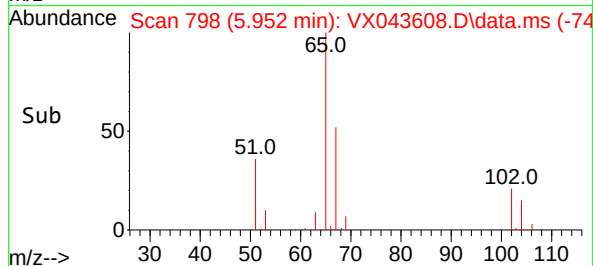
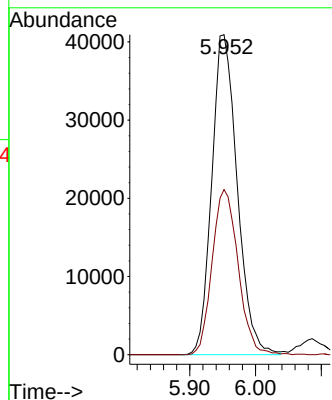
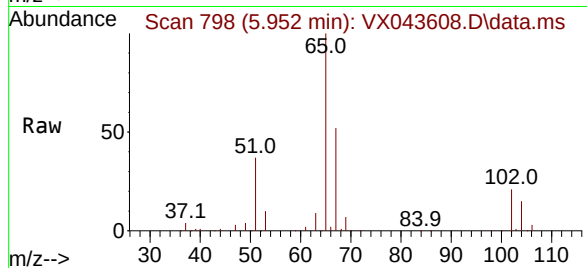
67 52.6 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

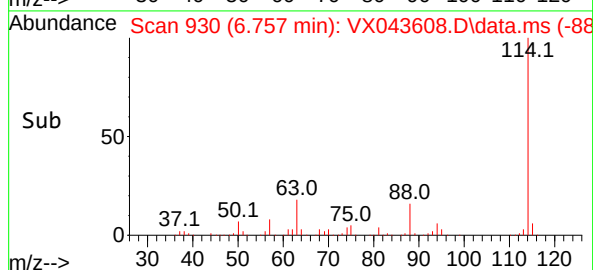
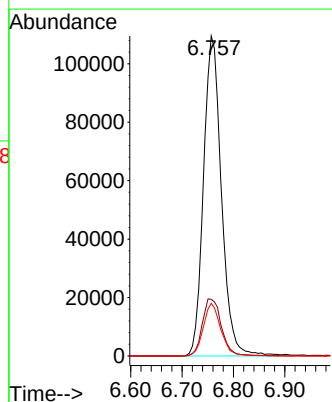
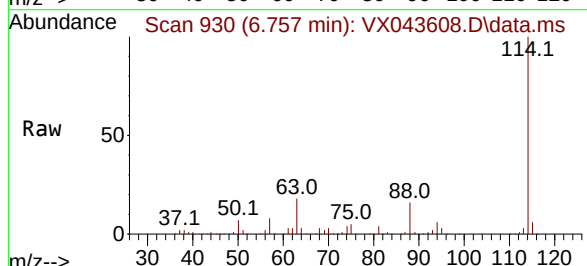
Tgt Ion:114 Resp: 265353

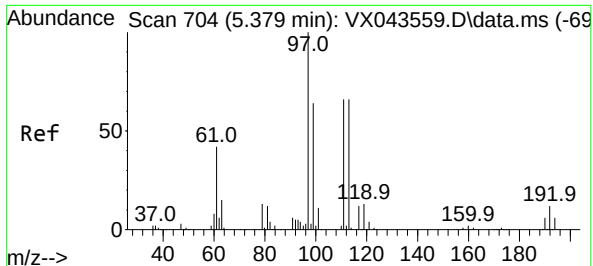
Ion Ratio Lower Upper

114 100

63 17.7 0.0 41.2

88 16.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.941 ug/l

RT: 5.385 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:113 Resp: 91660

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

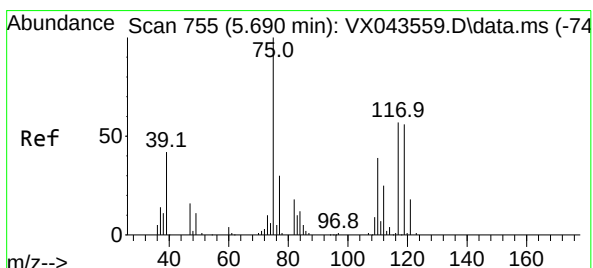
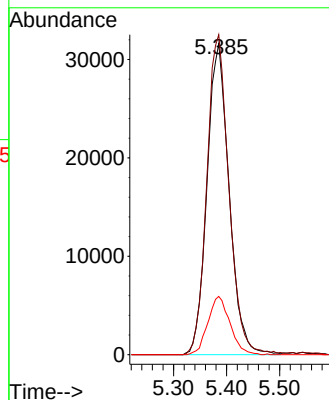
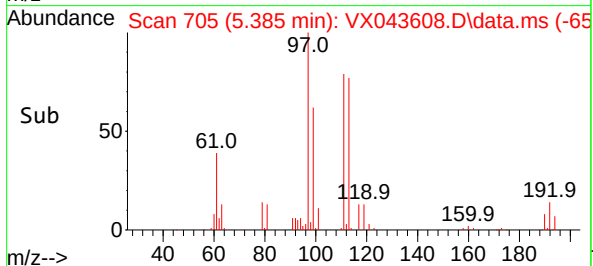
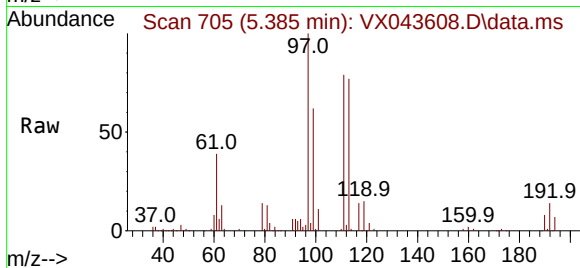
192 18.7 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#36

1,1-Dichloropropene

Concen: 48.407 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

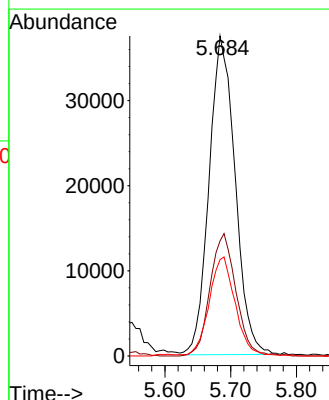
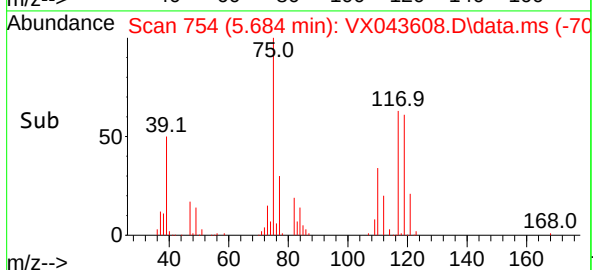
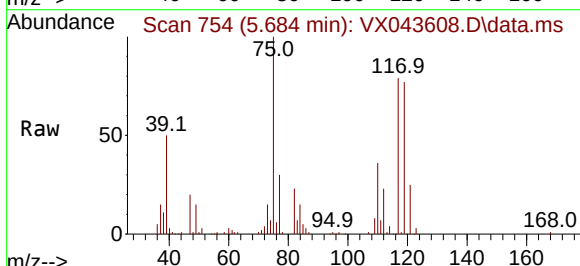
Tgt Ion: 75 Resp: 103282

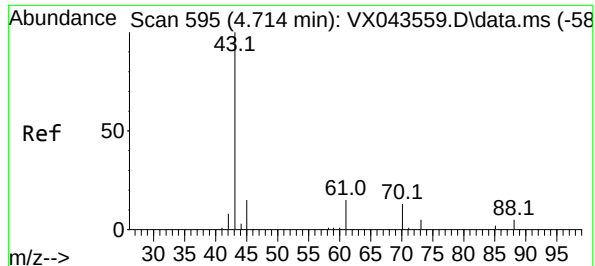
Ion Ratio Lower Upper

75 100

110 38.1 17.9 53.7

77 30.6 25.0 37.4





#37

Ethyl Acetate

Concen: 50.801 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.006 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 131589

Ion Ratio Lower Upper

43 100

61 14.6 11.0 16.6

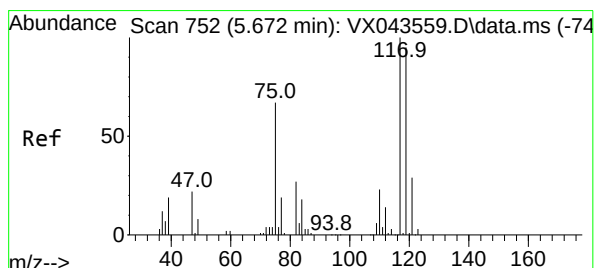
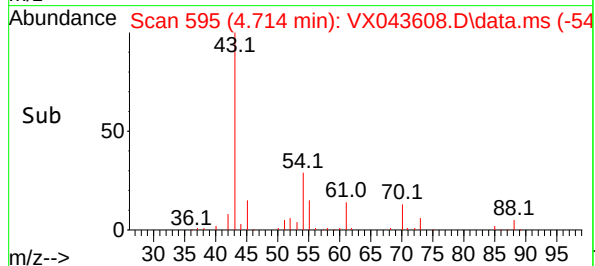
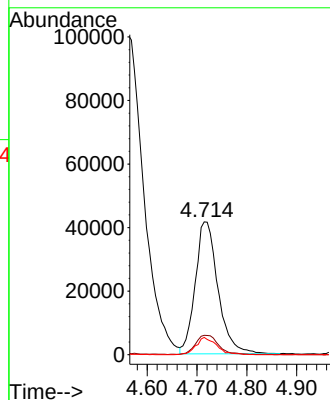
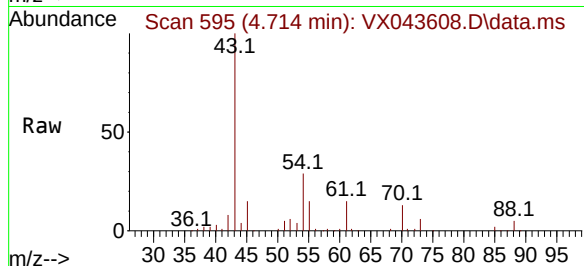
70 11.8 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#38

Carbon Tetrachloride

Concen: 47.400 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

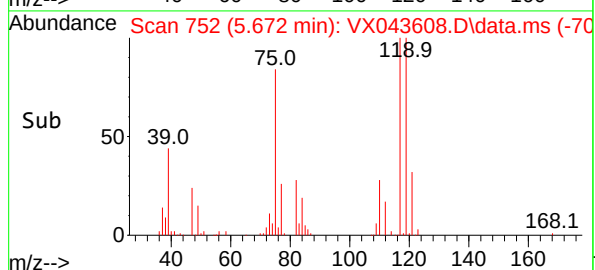
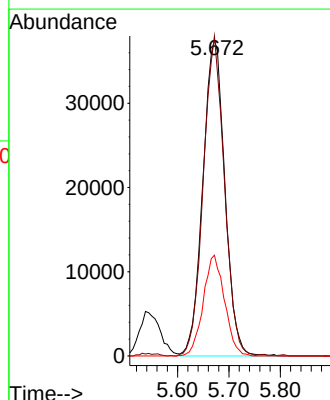
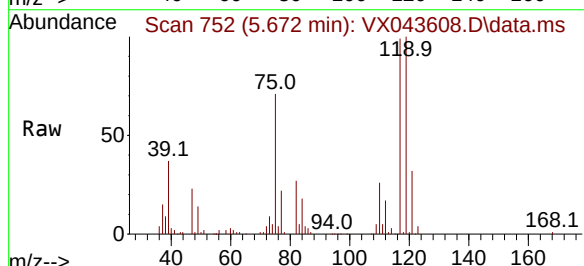
Tgt Ion:117 Resp: 111743

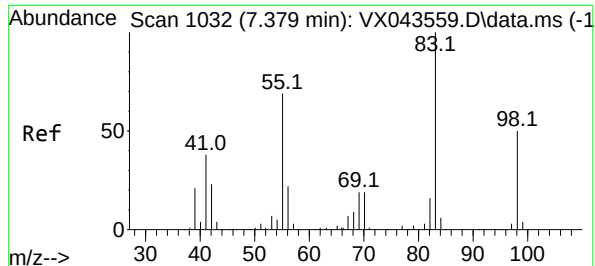
Ion Ratio Lower Upper

117 100

119 100.9 77.0 115.6

121 31.9 24.7 37.1





#39

Methylcyclohexane

Concen: 49.896 ug/l

RT: 7.372 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 132174

Ion Ratio Lower Upper

83 100

55 72.4 59.9 89.9

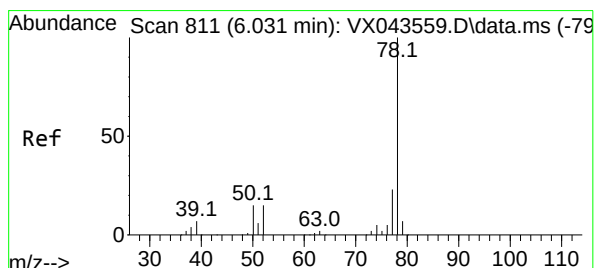
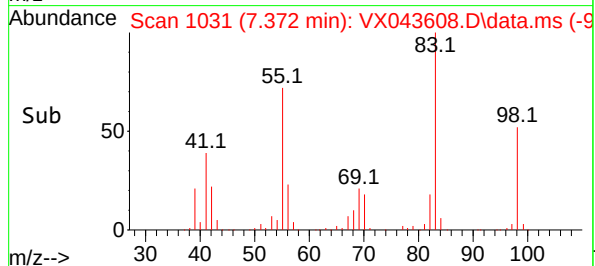
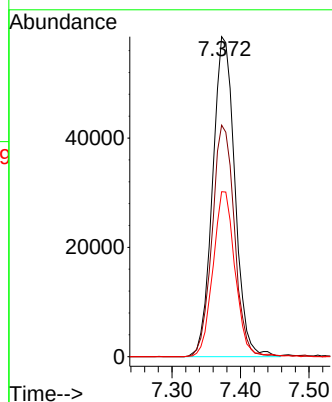
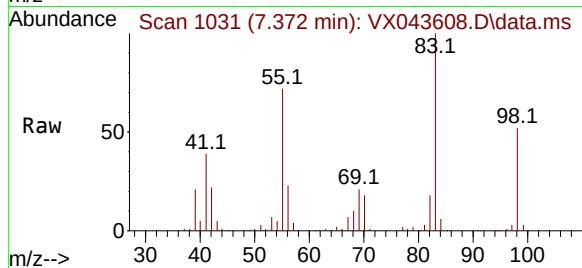
98 51.5 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#40

Benzene

Concen: 50.901 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX043608.D

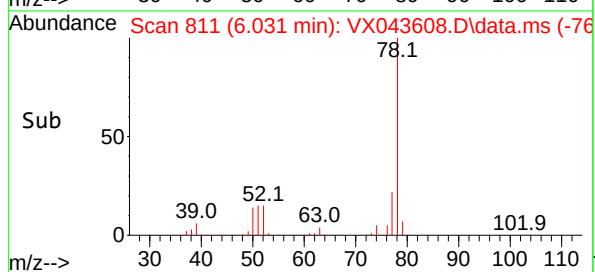
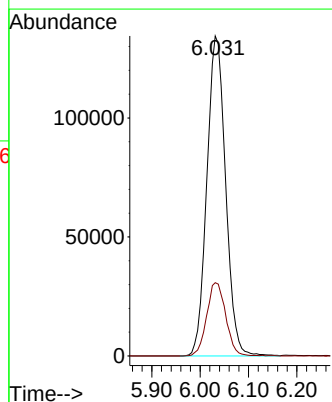
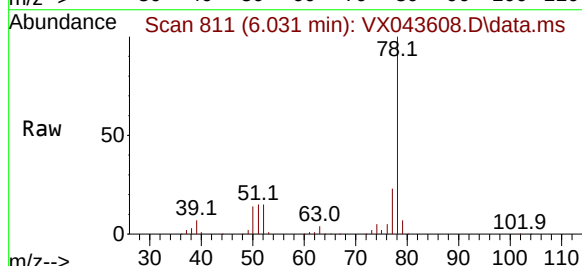
Acq: 29 Oct 2024 19:29

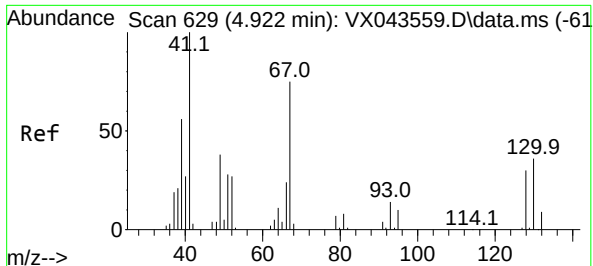
Tgt Ion: 78 Resp: 362305

Ion Ratio Lower Upper

78 100

77 22.9 18.4 27.6





#41

Methacrylonitrile

Concen: 52.879 ug/l

RT: 4.922 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 7189

Ion Ratio Lower Upper

41 100

39 54.4 43.5 65.3

67 78.4 58.3 87.5

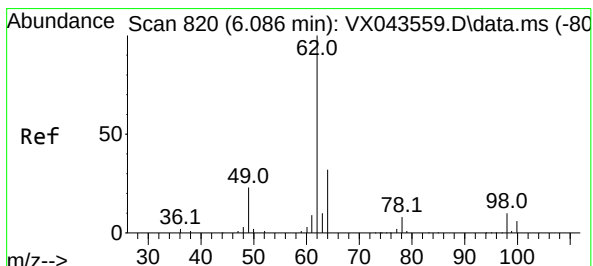
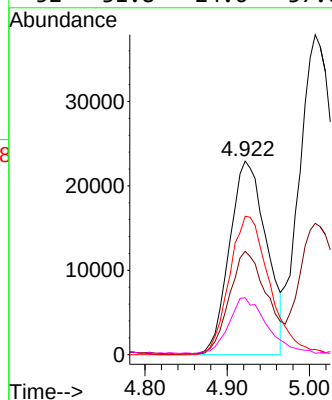
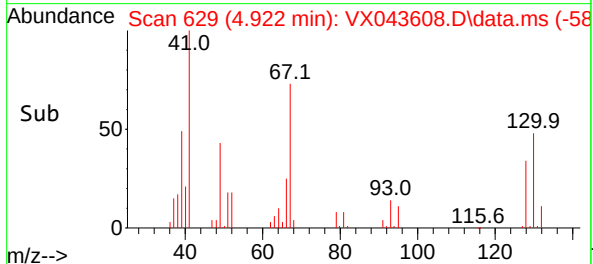
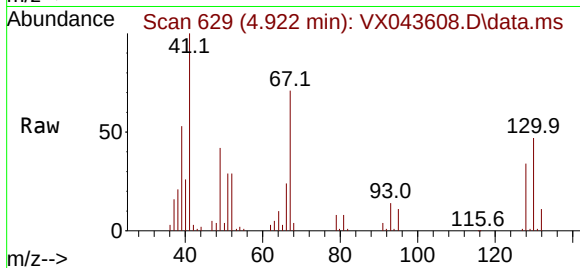
52 31.8 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#42

1,2-Dichloroethane

Concen: 49.839 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.000 min

Lab File: VX043608.D

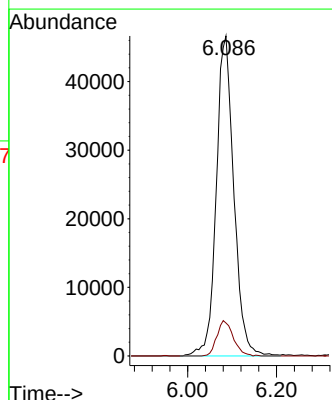
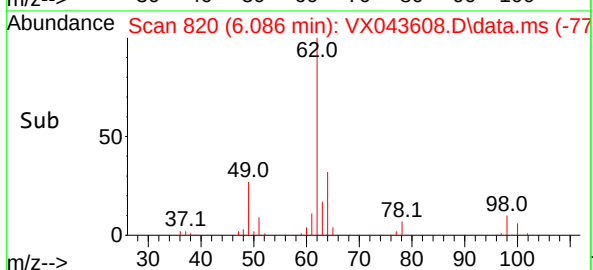
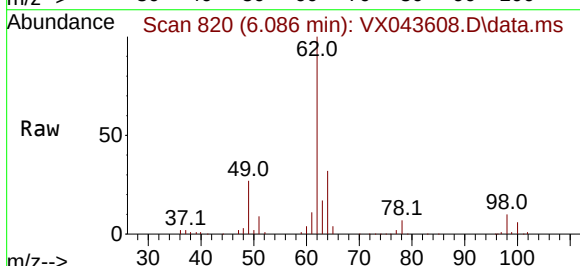
Acq: 29 Oct 2024 19:29

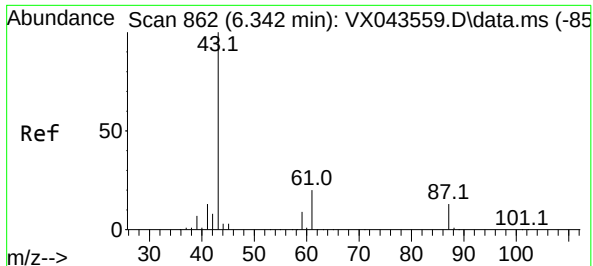
Tgt Ion: 62 Resp: 127532

Ion Ratio Lower Upper

62 100

98 10.4 0.0 18.8





#43

Isopropyl Acetate

Concen: 50.370 ug/l

RT: 6.342 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 21577

Ion Ratio Lower Upper

43

100

61

87

20.8

14.7

16.2

11.0

16.2

24.4

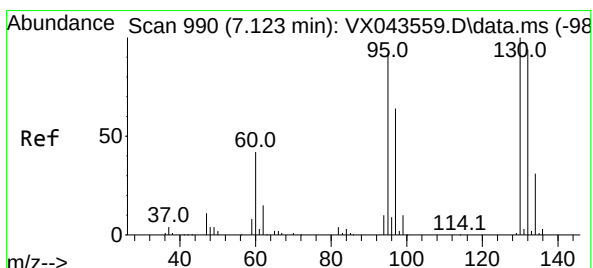
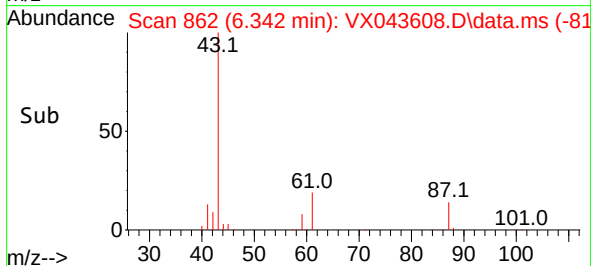
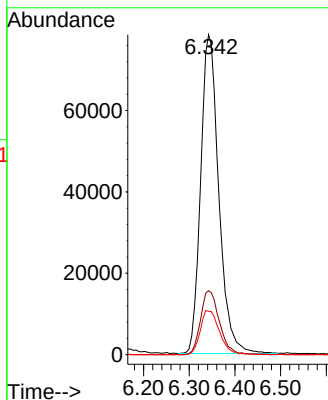
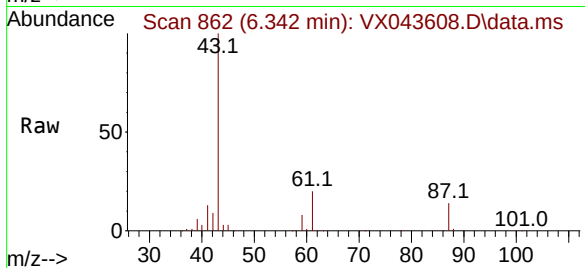
16.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#44

Trichloroethene

Concen: 50.041 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Tgt Ion:130 Resp: 88486

Ion Ratio Lower Upper

130

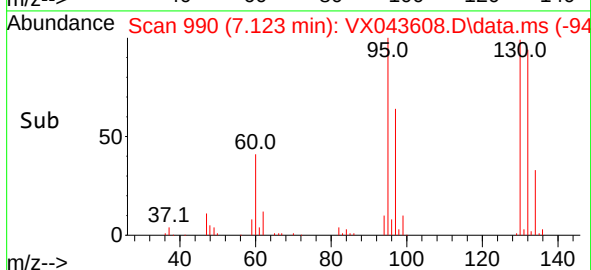
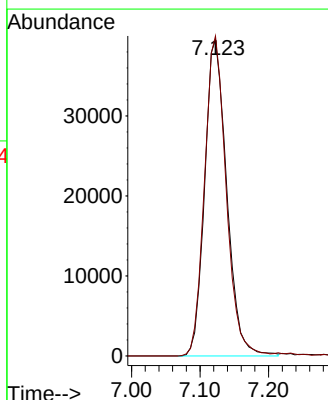
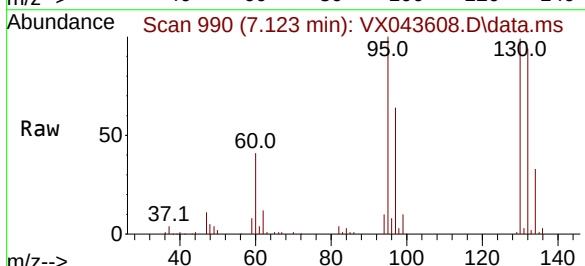
100

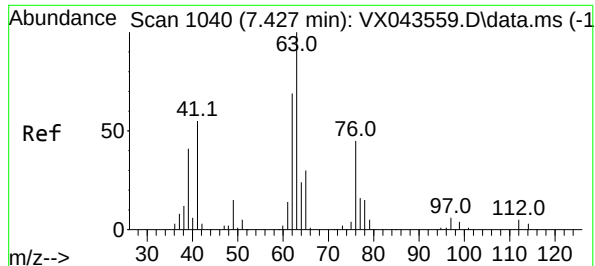
95

101.2

0.0

202.6





#45

1,2-Dichloropropane

Concen: 52.297 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 9165

Ion Ratio Lower Upper

63 100

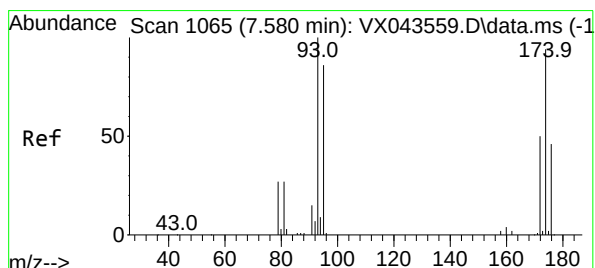
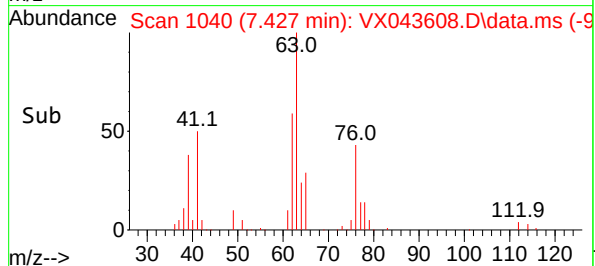
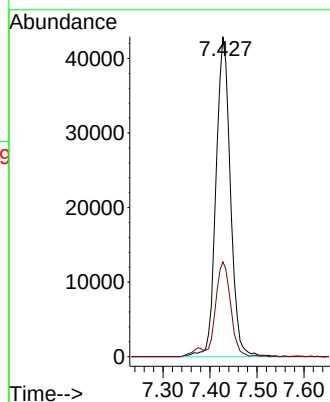
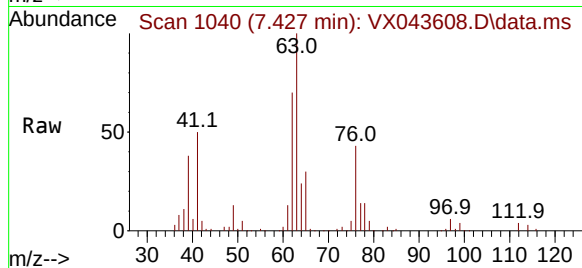
65 29.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#46

Dibromomethane

Concen: 51.612 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

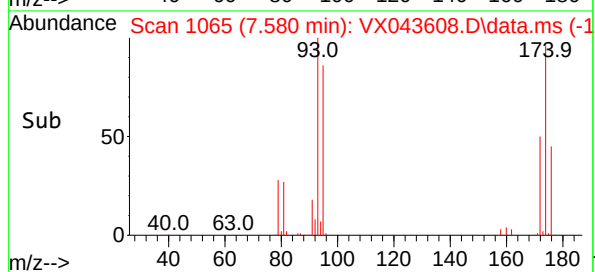
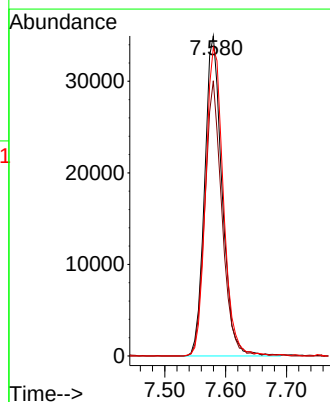
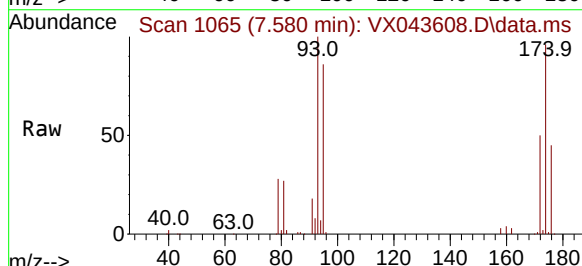
Tgt Ion: 93 Resp: 69649

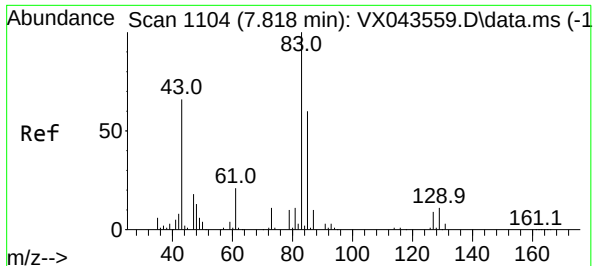
Ion Ratio Lower Upper

93 100

95 84.2 66.4 99.6

174 97.9 75.0 112.4





#47

Bromodichloromethane

Concen: 51.646 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 12226

Ion Ratio Lower Upper

83 100

85 63.5 52.2 78.4

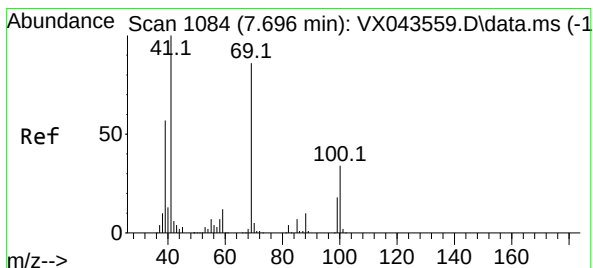
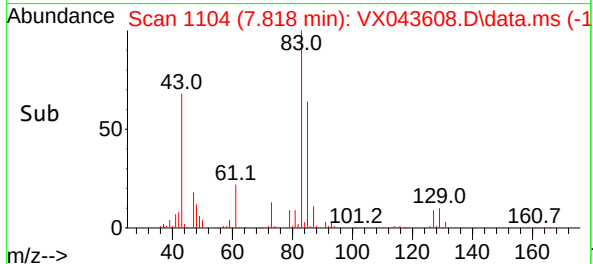
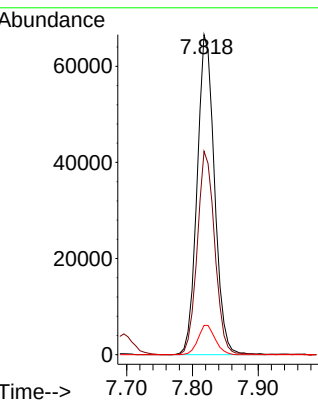
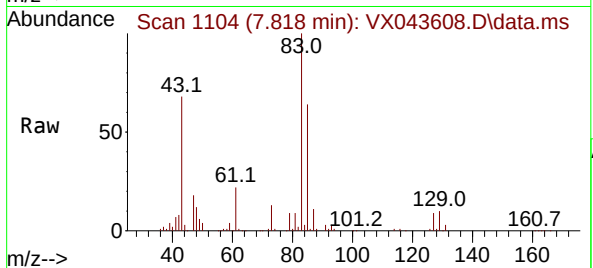
127 9.2 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#48

Methyl methacrylate

Concen: 51.651 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

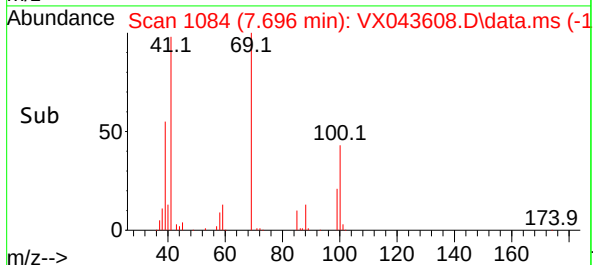
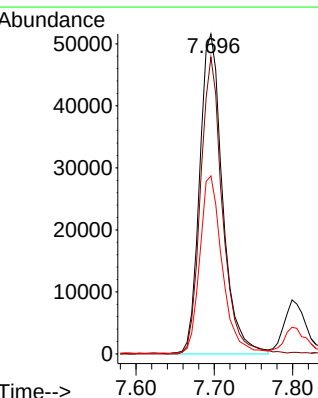
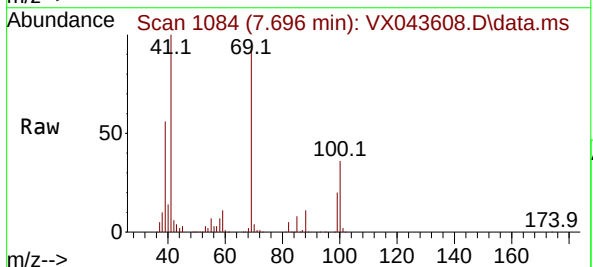
Tgt Ion: 41 Resp: 104902

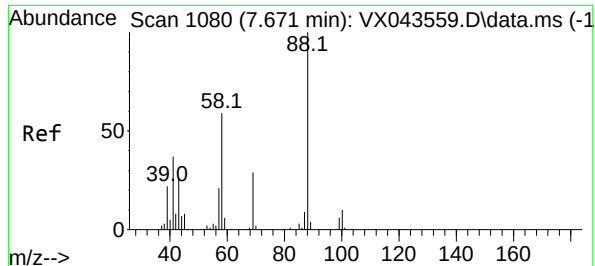
Ion Ratio Lower Upper

41 100

69 88.7 67.7 101.5

39 54.0 46.3 69.5





#49

1,4-Dioxane

Concen: 1075.073 ug/l

RT: 7.665 min Scan# 1080

Delta R.T. -0.006 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 88 Resp: 44859

Ion Ratio Lower Upper

88 100

43 28.7 25.3 37.9

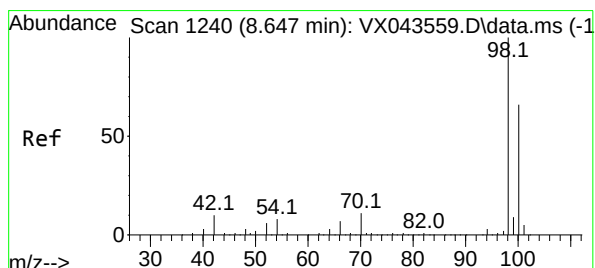
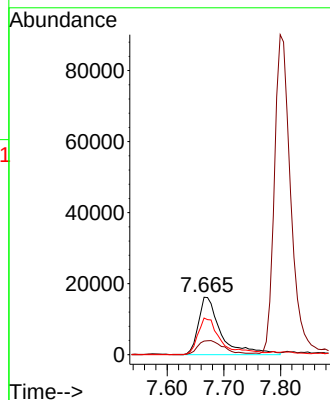
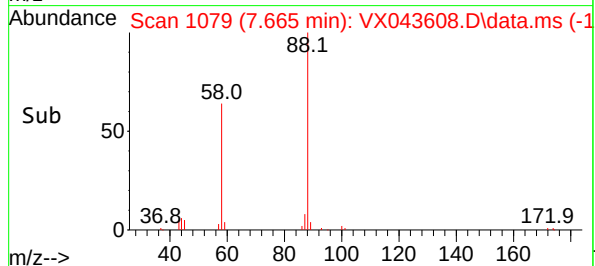
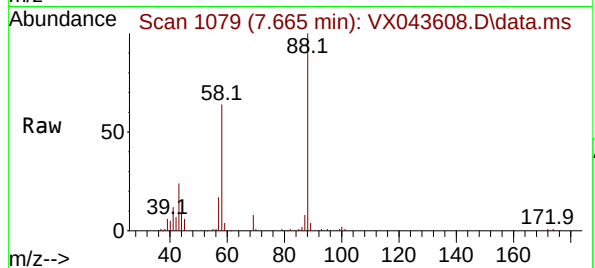
58 64.7 53.9 80.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#50

Toluene-d8

Concen: 51.243 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043608.D

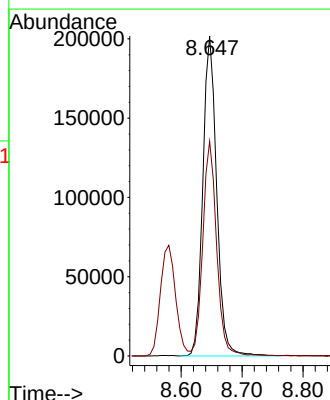
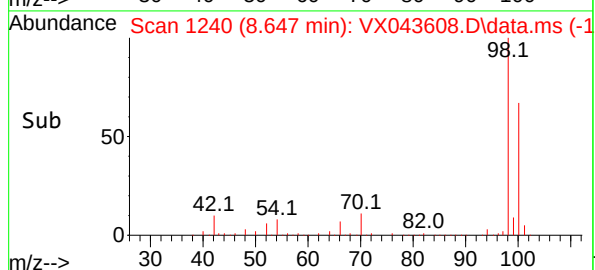
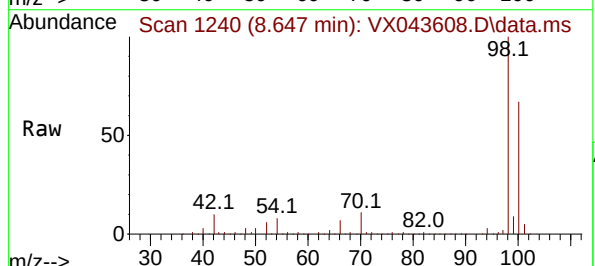
Acq: 29 Oct 2024 19:29

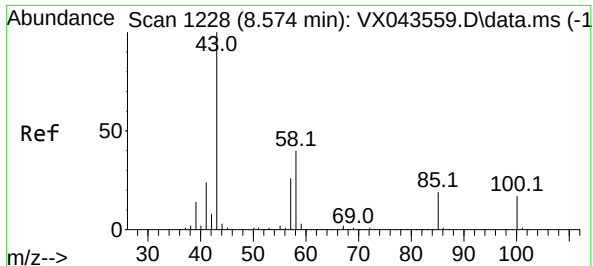
Tgt Ion: 98 Resp: 319178

Ion Ratio Lower Upper

98 100

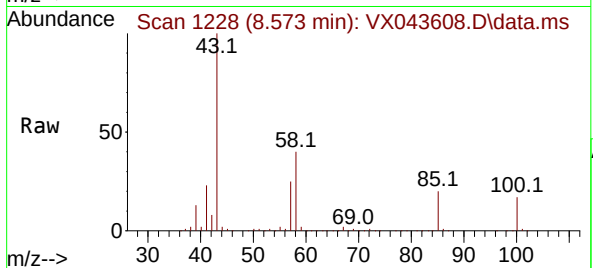
100 66.7 53.4 80.2





#51
4-Methyl-2-Pentanone
Concen: 258.941 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

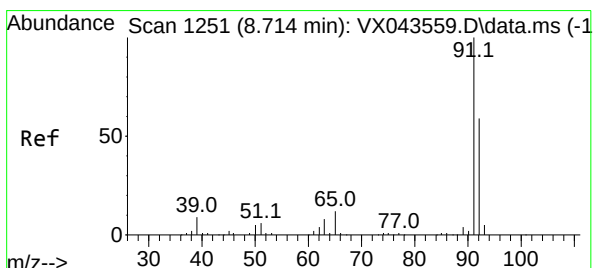
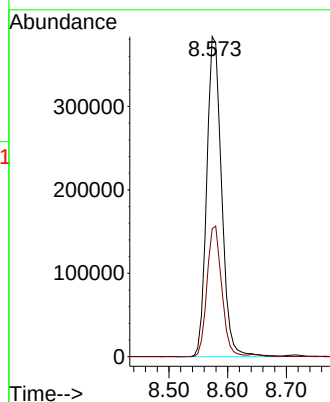
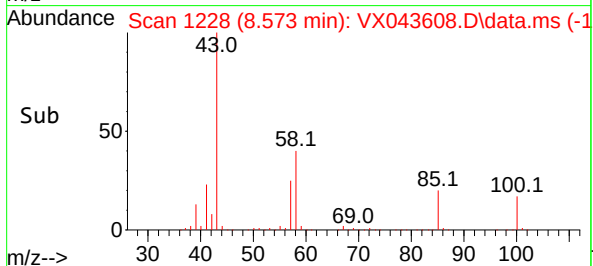
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 676072
Ion Ratio Lower Upper
43 100
58 40.3 31.7 47.5

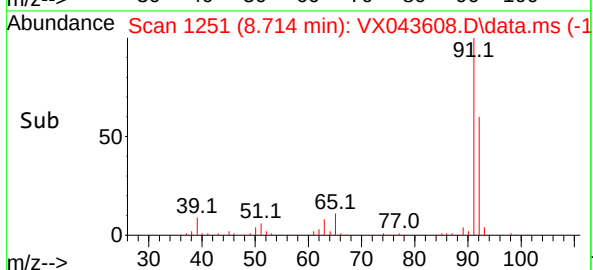
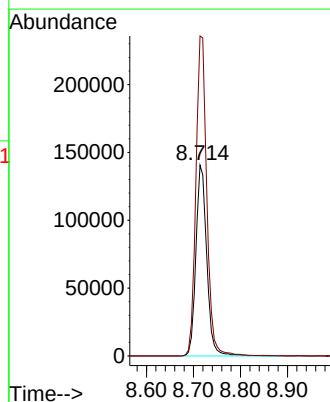
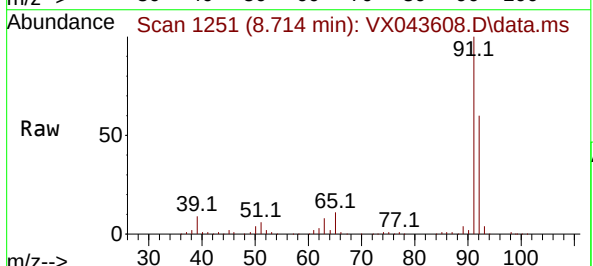
Manual Integrations
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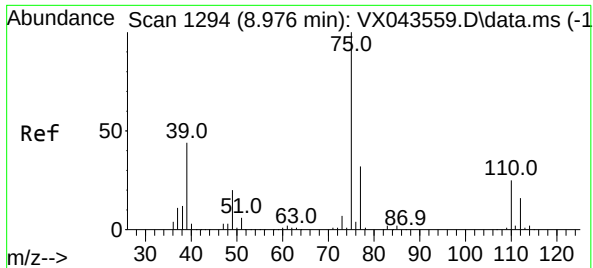
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#52
Toluene
Concen: 52.560 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 92 Resp: 226884
Ion Ratio Lower Upper
92 100
91 168.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 51.314 ug/l

RT: 8.976 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 130475

Ion Ratio Lower Upper

75 100

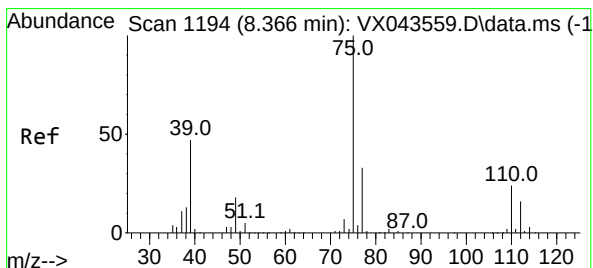
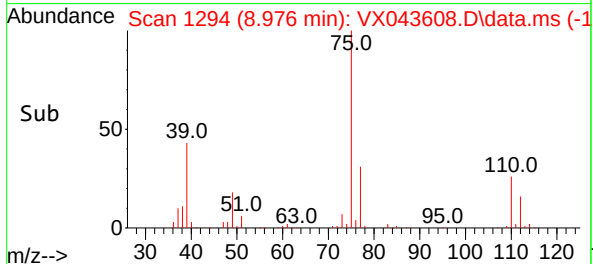
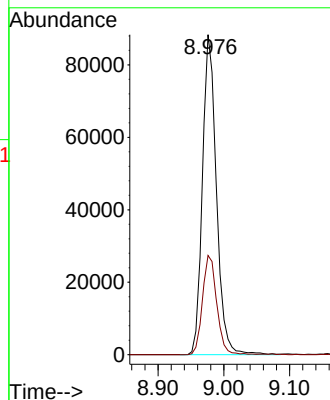
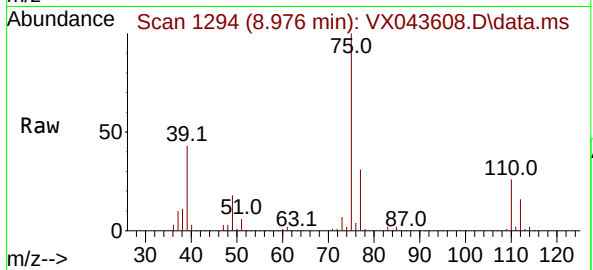
77 31.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#54

cis-1,3-Dichloropropene

Concen: 53.094 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

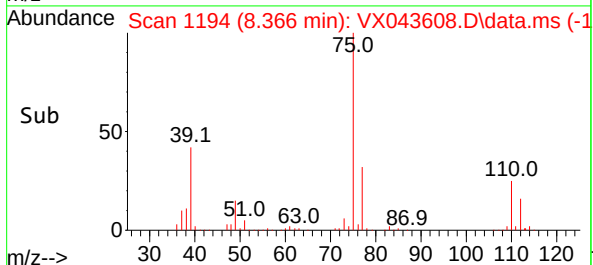
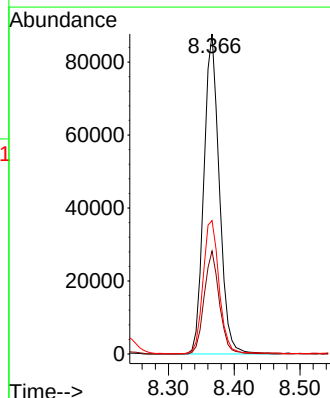
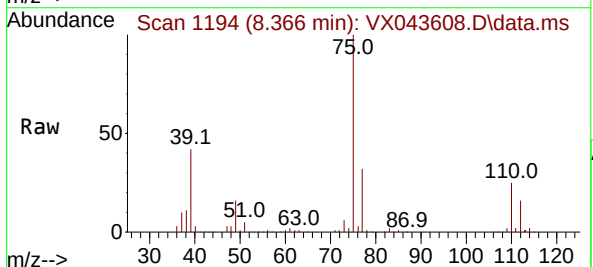
Tgt Ion: 75 Resp: 143839

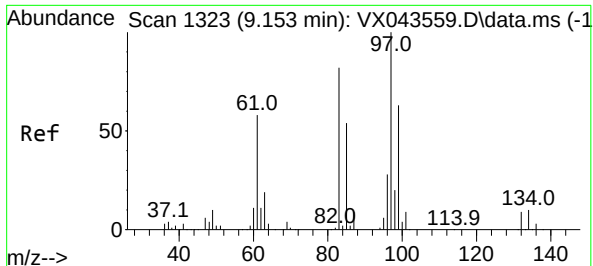
Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 41.5 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 53.799 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 9666

Ion Ratio Lower Upper

97 100

83 86.2 67.3 100.9

85 55.0 43.6 65.4

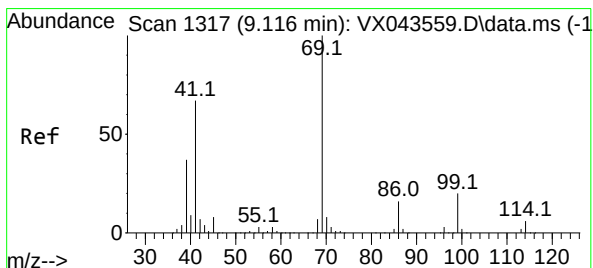
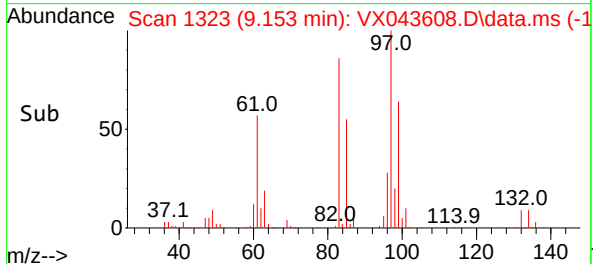
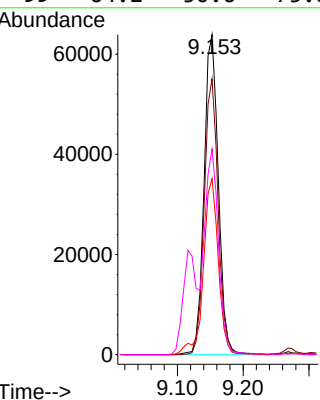
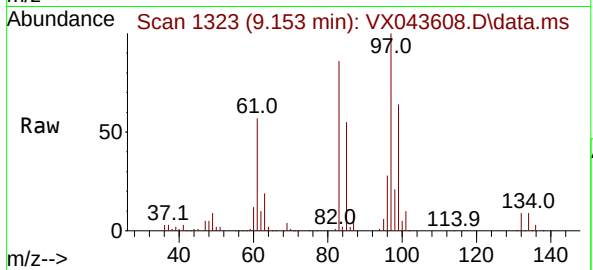
99 64.2 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#56

Ethyl methacrylate

Concen: 53.432 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

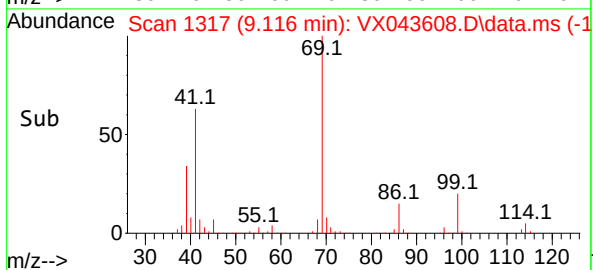
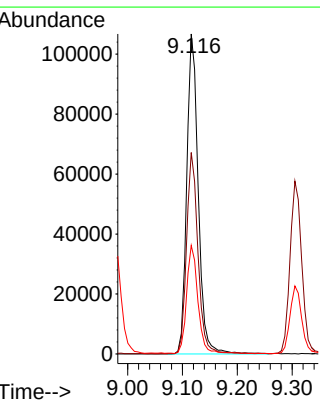
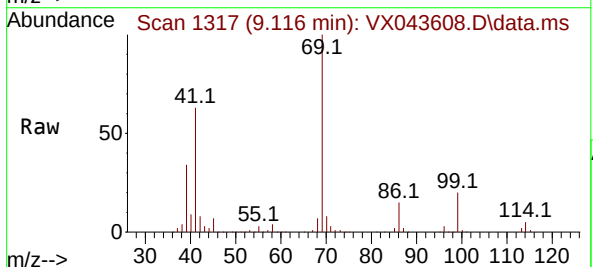
Tgt Ion: 69 Resp: 156001

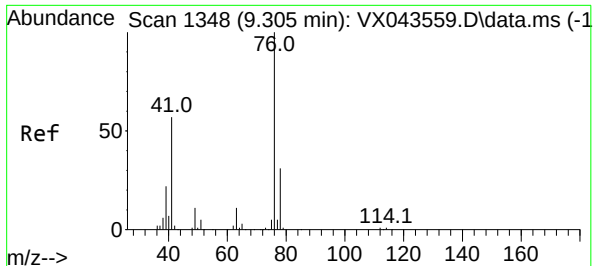
Ion Ratio Lower Upper

69 100

41 62.5 53.8 80.8

39 33.3 29.9 44.9





#57

1,3-Dichloropropane

Concen: 53.607 ug/l

RT: 9.305 min Scan# 1148

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 16020

Ion Ratio Lower Upper

76 100

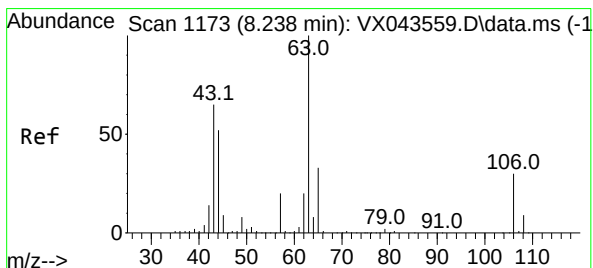
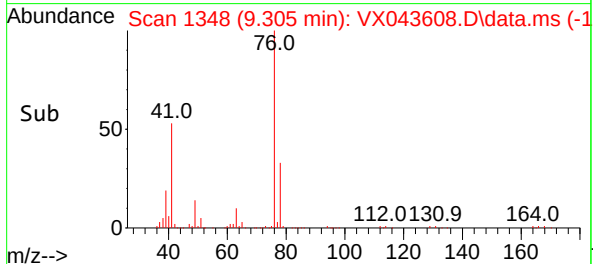
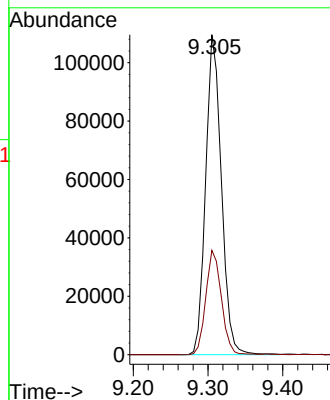
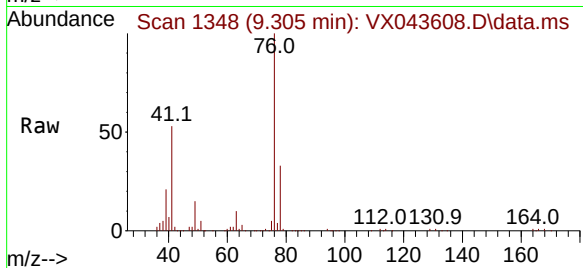
78 32.3 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#58

2-Chloroethyl Vinyl ether

Concen: 263.875 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043608.D

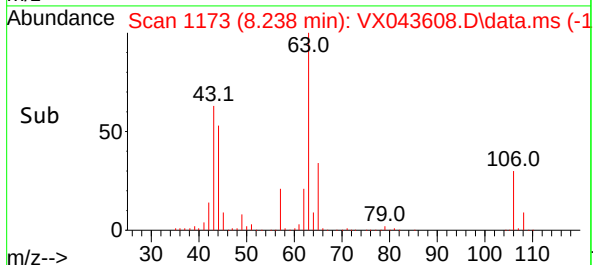
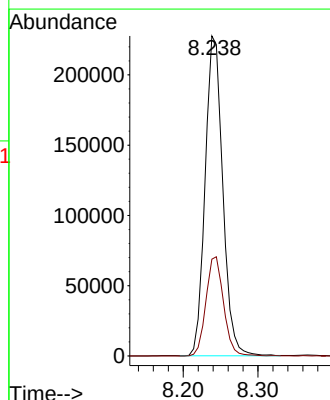
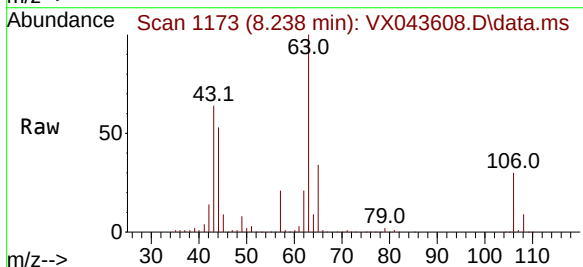
Acq: 29 Oct 2024 19:29

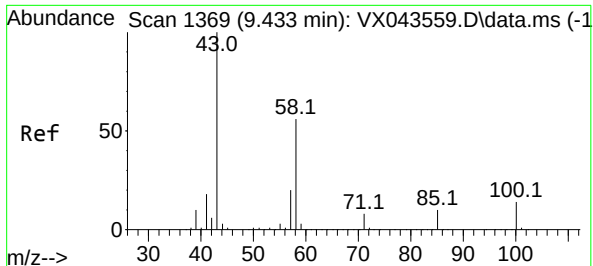
Tgt Ion: 63 Resp: 373123

Ion Ratio Lower Upper

63 100

106 31.0 23.6 35.4





#59

2-Hexanone

Concen: 254.496 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 504664

Ion Ratio Lower Upper

43 100

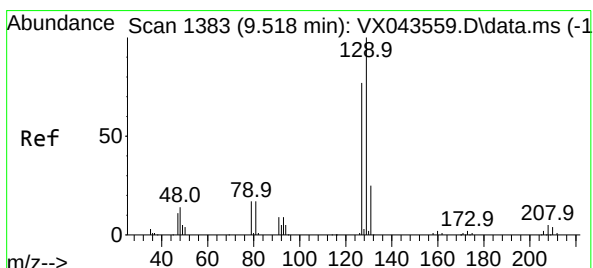
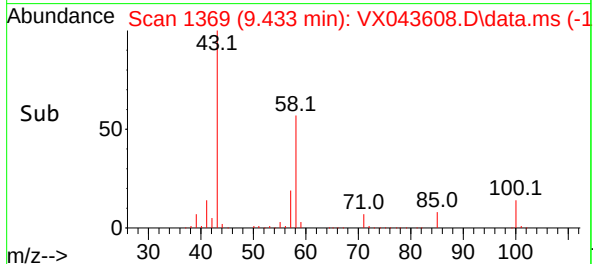
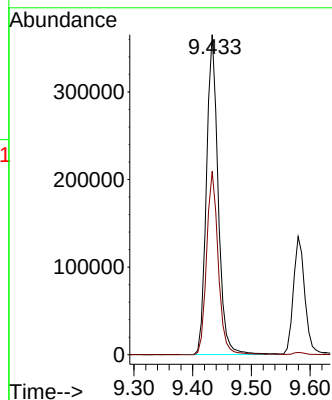
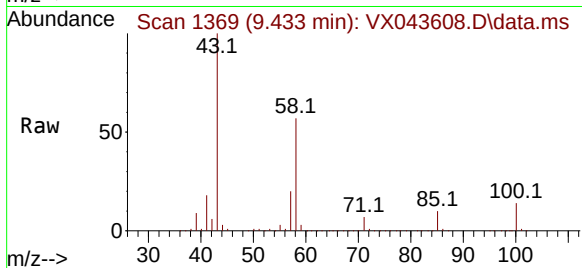
58 57.0 27.5 82.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#60

Dibromochloromethane

Concen: 54.022 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043608.D

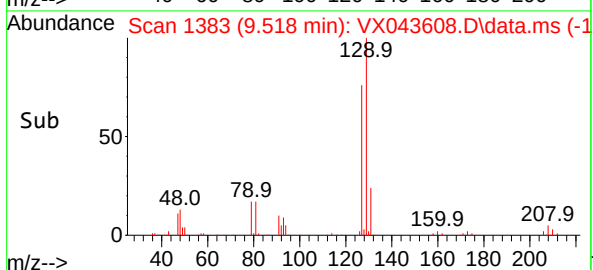
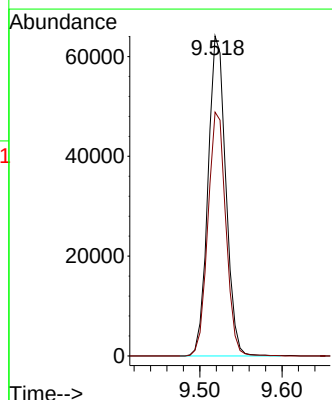
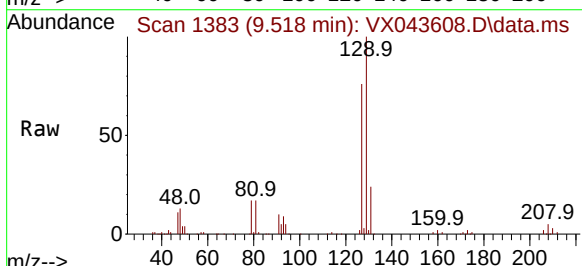
Acq: 29 Oct 2024 19:29

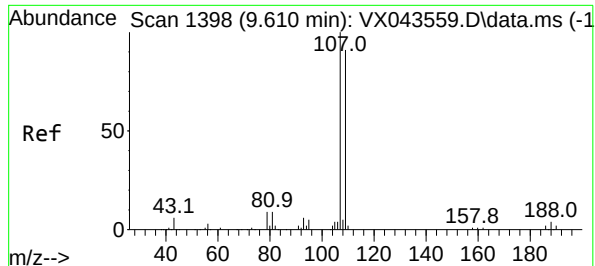
Tgt Ion:129 Resp: 96120

Ion Ratio Lower Upper

129 100

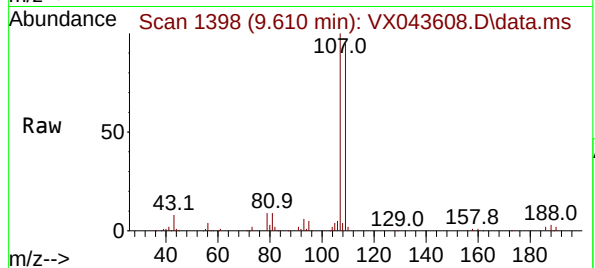
127 76.9 38.4 115.1





#61
1,2-Dibromoethane
Concen: 53.153 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

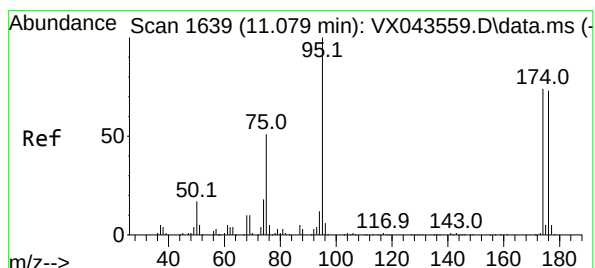
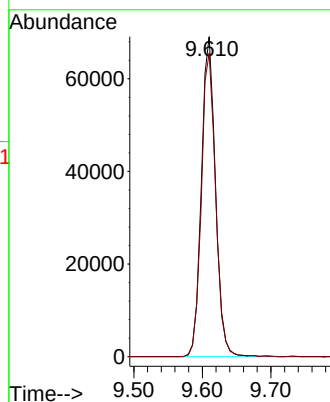
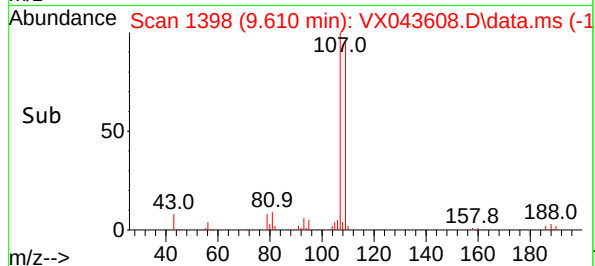
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 107 Resp: 9914
Ion Ratio Lower Upper
107 100
109 95.6 77.1 115.7

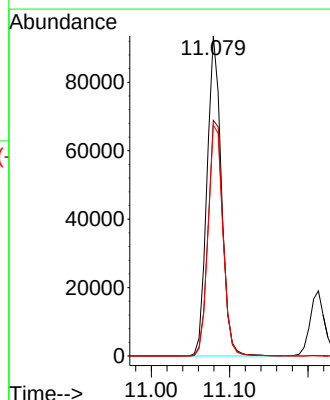
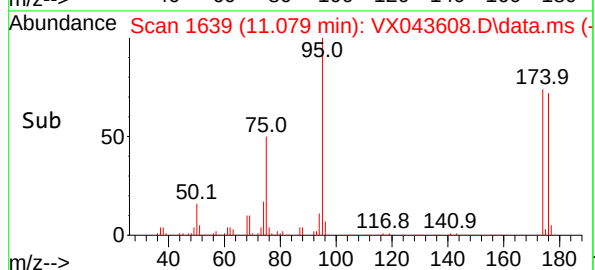
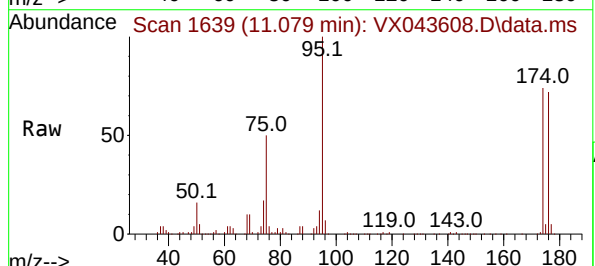
Manual Integrations
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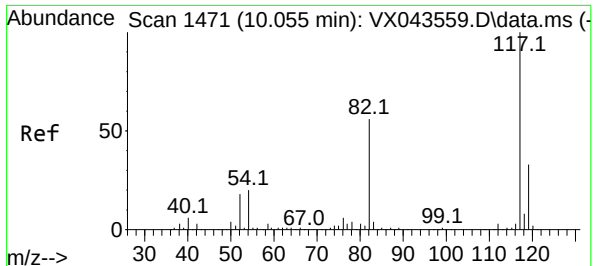
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#62
4-Bromofluorobenzene
Concen: 51.413 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 95 Resp: 118664
Ion Ratio Lower Upper
95 100
174 76.6 0.0 146.6
176 74.4 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:117 Resp: 236719

Ion Ratio Lower Upper

117 100

82 53.3 42.1 63.1

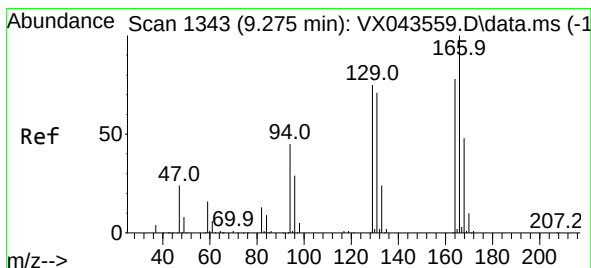
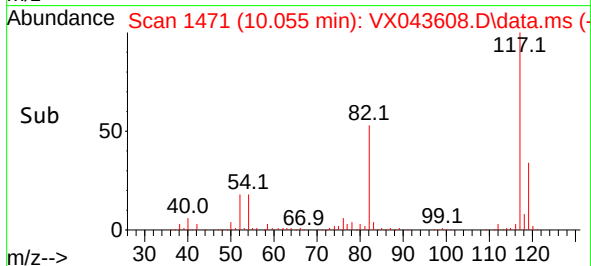
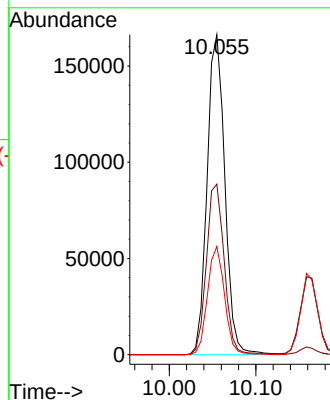
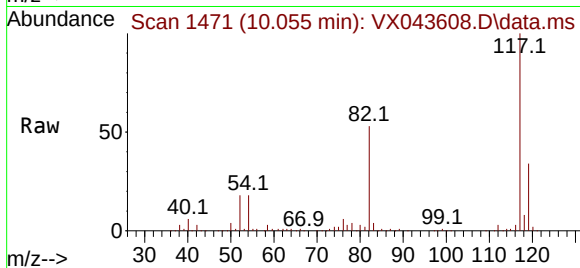
119 33.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#64

Tetrachloroethene

Concen: 49.957 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Tgt Ion:164 Resp: 74378

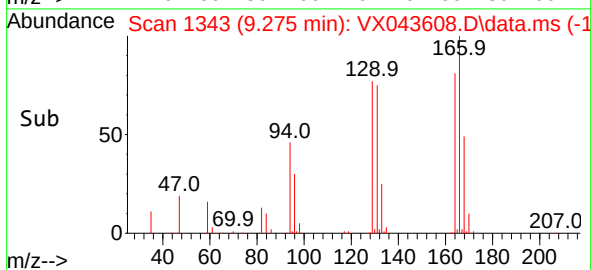
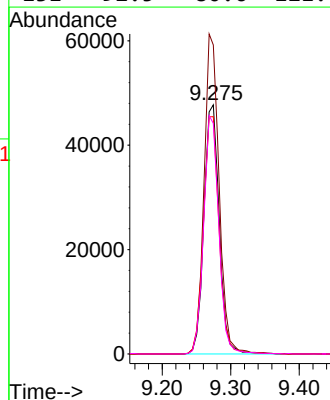
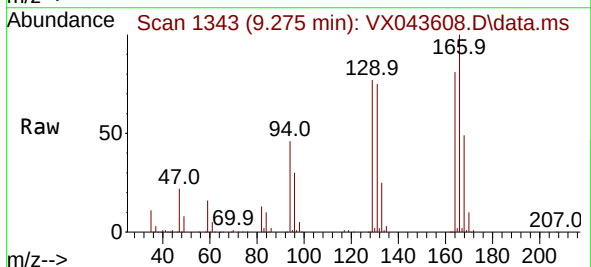
Ion Ratio Lower Upper

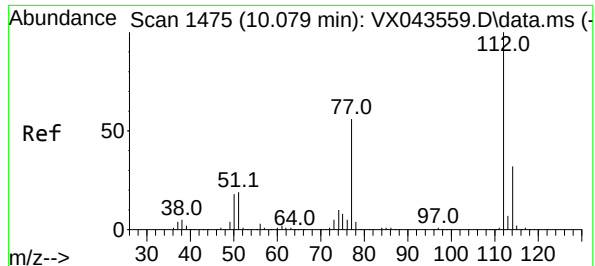
164 100

166 124.0 103.8 155.6

129 95.3 83.8 125.6

131 92.5 80.6 121.0





#65

Chlorobenzene

Concen: 50.588 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 257630

Ion Ratio Lower Upper

112 100

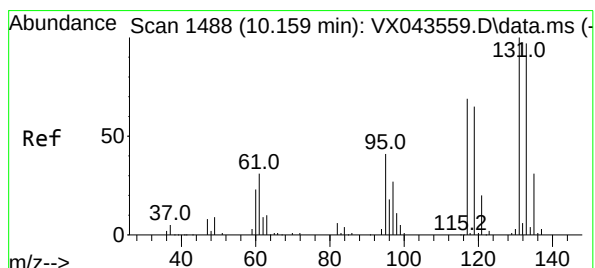
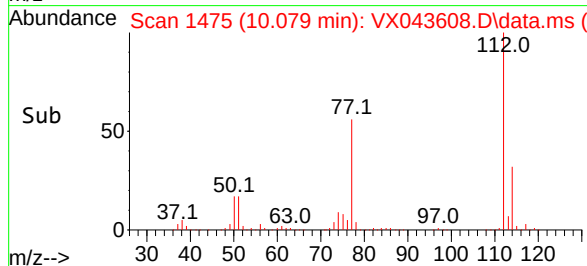
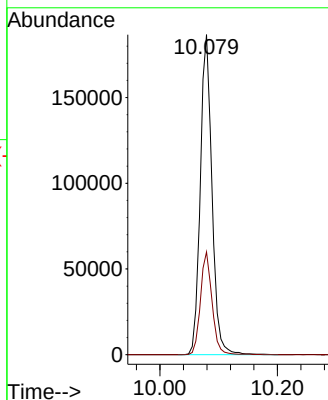
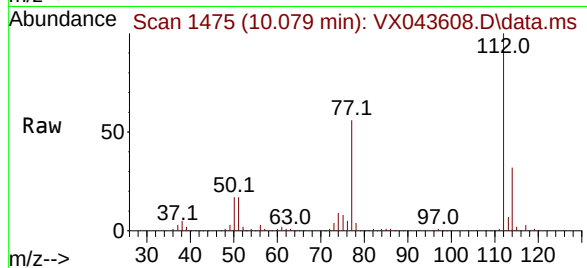
114 32.1 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 52.231 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

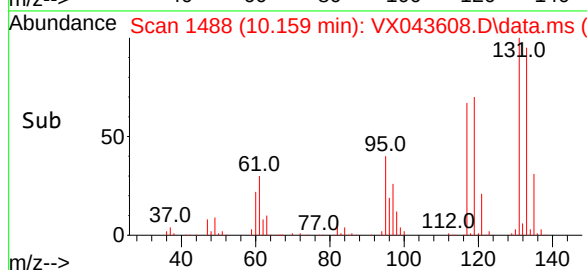
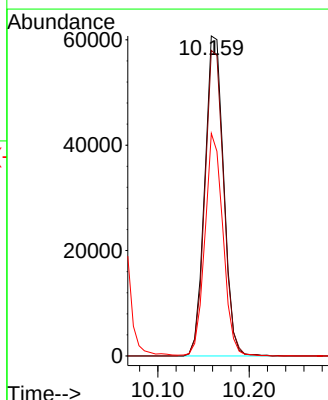
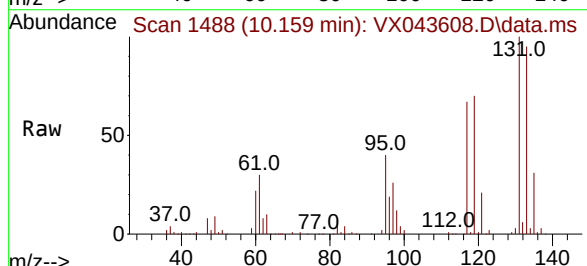
Tgt Ion:131 Resp: 86886

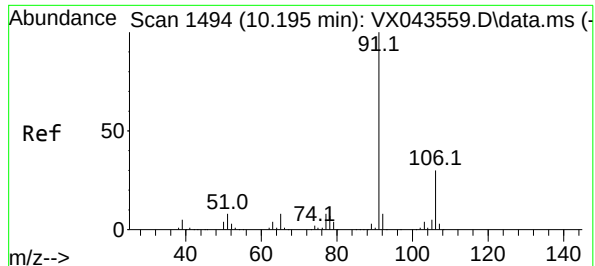
Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.0

119 66.7 32.3 96.9





#67

Ethyl Benzene

Concen: 49.943 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 414752

Ion Ratio Lower Upper

91 100

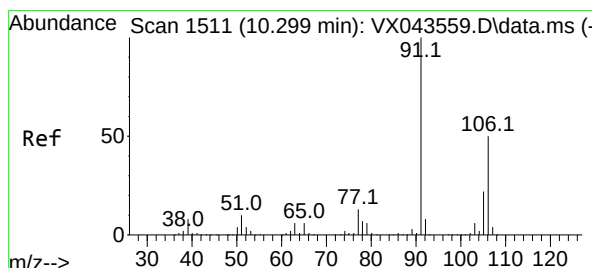
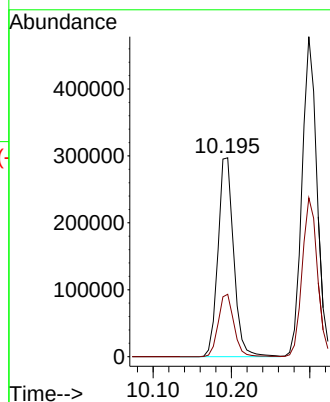
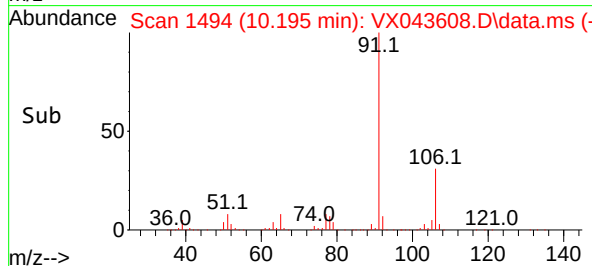
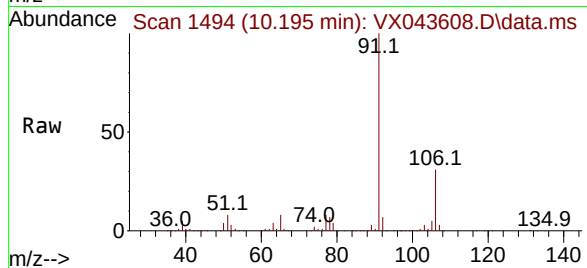
106 31.4 25.4 38.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#68

m/p-Xylenes

Concen: 101.972 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043608.D

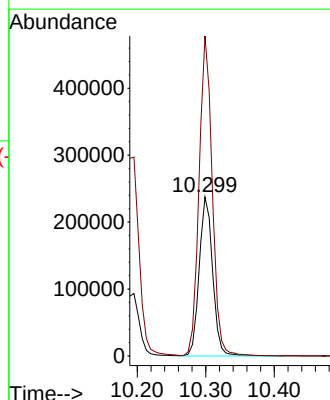
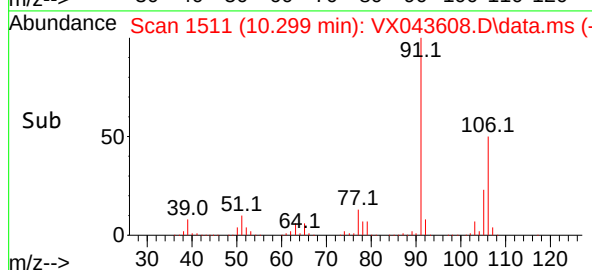
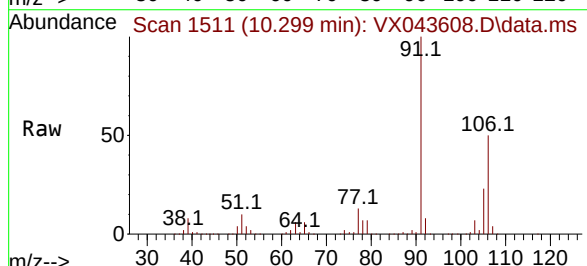
Acq: 29 Oct 2024 19:29

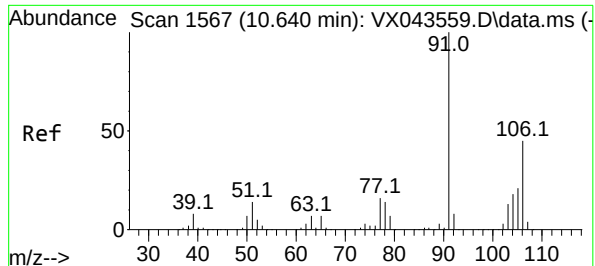
Tgt Ion:106 Resp: 323840

Ion Ratio Lower Upper

106 100

91 197.9 164.7 247.1





#69

o-Xylene

Concen: 51.602 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:106 Resp: 164652

Ion Ratio Lower Upper

106 100

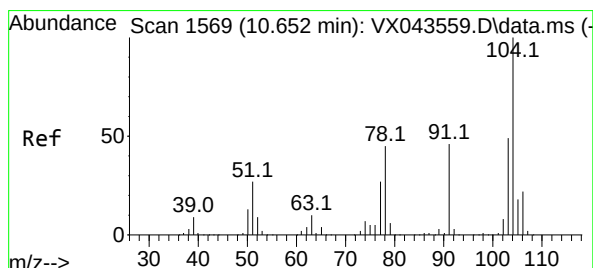
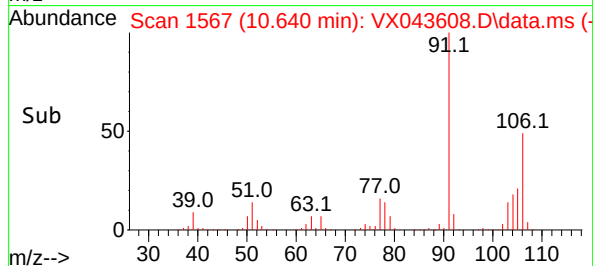
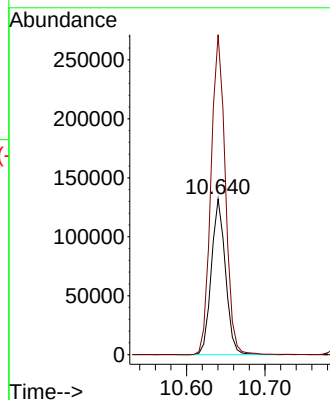
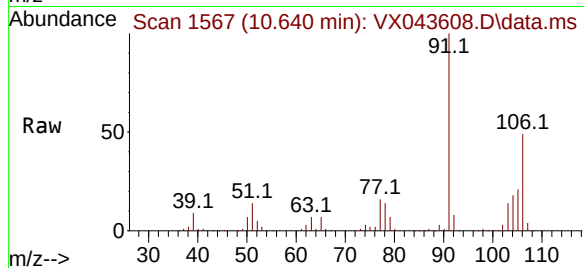
91 209.7 107.9 323.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#70

Styrene

Concen: 53.092 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

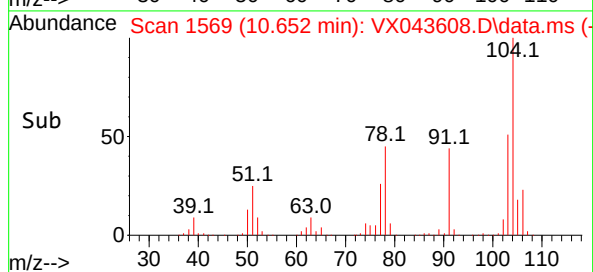
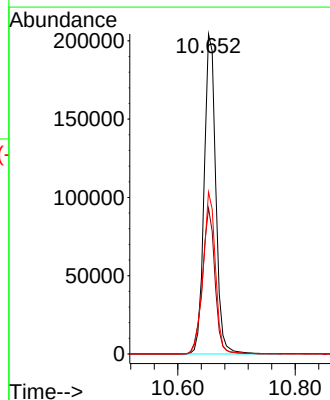
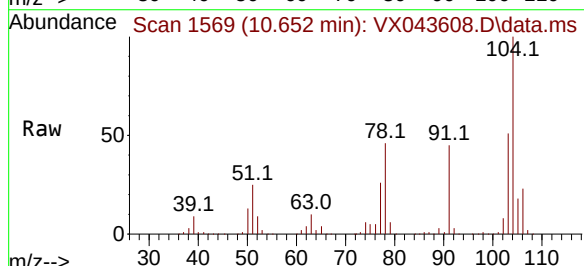
Tgt Ion:104 Resp: 281569

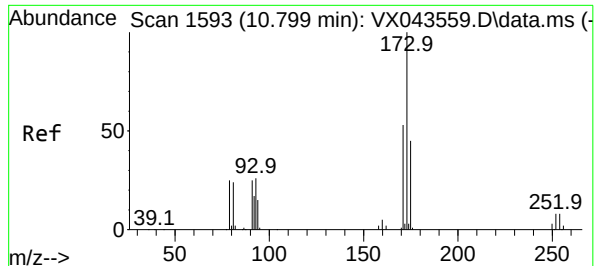
Ion Ratio Lower Upper

104 100

78 48.8 40.0 60.0

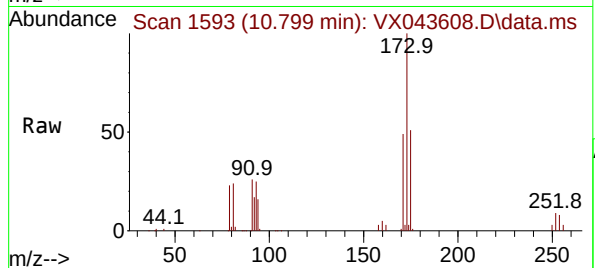
103 53.9 43.4 65.0





#71
Bromoform
Concen: 51.301 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

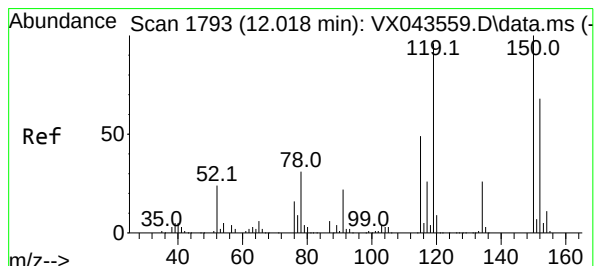
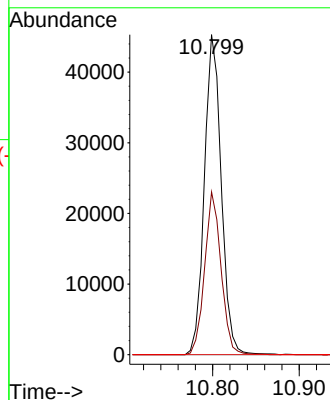
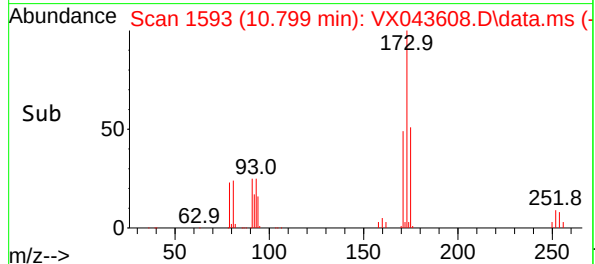
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:173 Resp: 61359
Ion Ratio Lower Upper
173 100
175 49.5 23.3 69.9
254 0.0 0.0 0.0

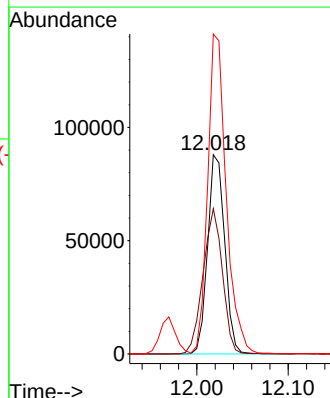
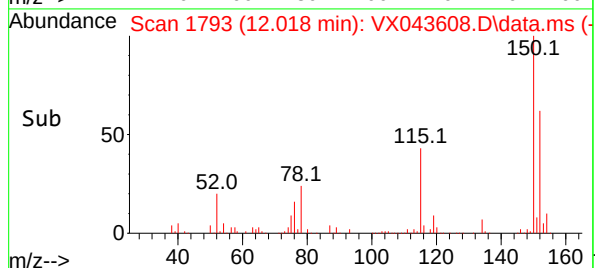
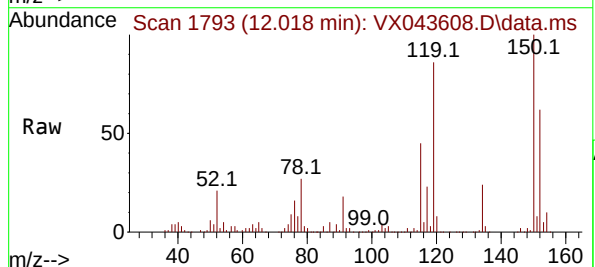
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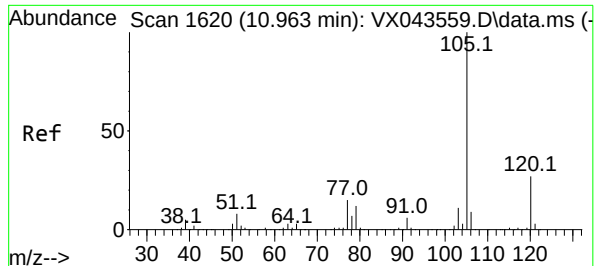
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:152 Resp: 114048
Ion Ratio Lower Upper
152 100
115 82.8 42.9 128.7
150 173.9 0.0 343.6





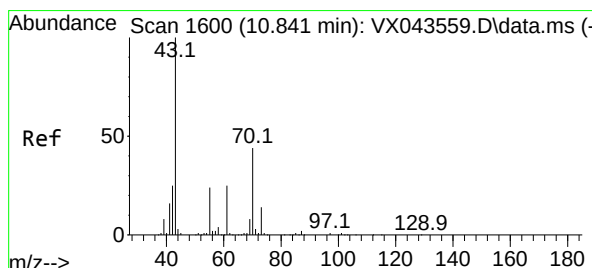
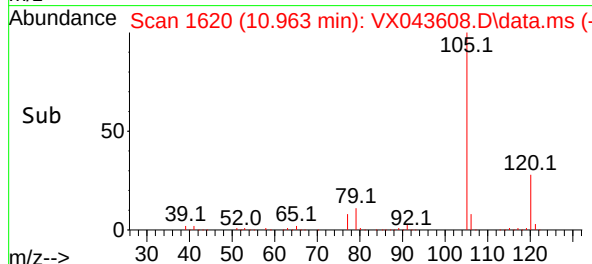
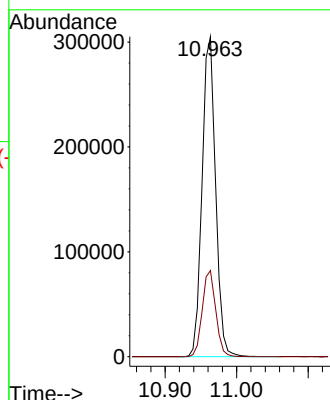
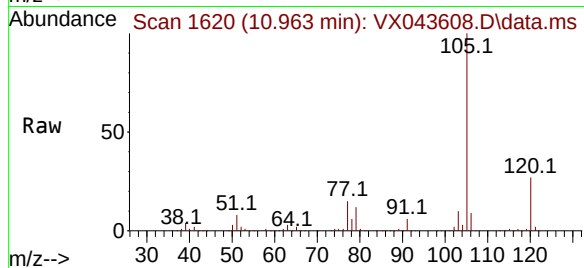
#73
Isopropylbenzene
Concen: 49.457 ug/l
RT: 10.963 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 399550
Ion Ratio Lower Upper
105 100
120 26.9 13.2 39.6

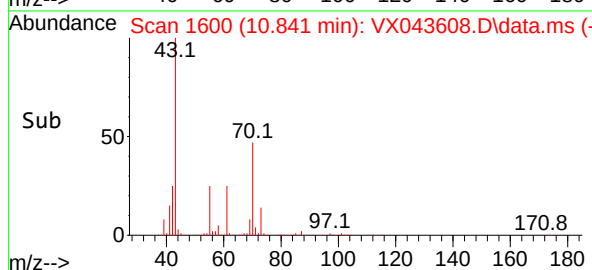
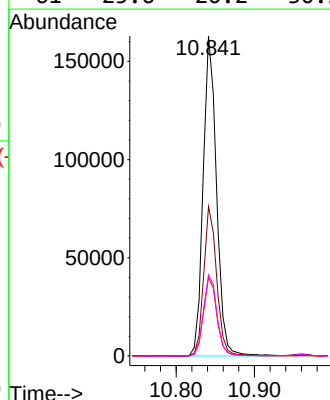
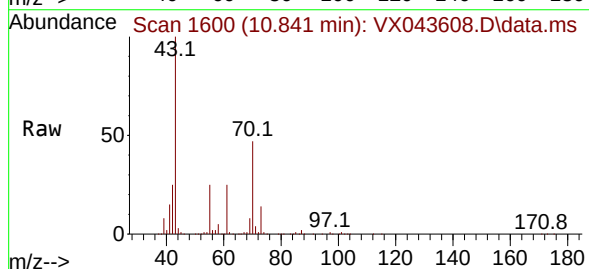
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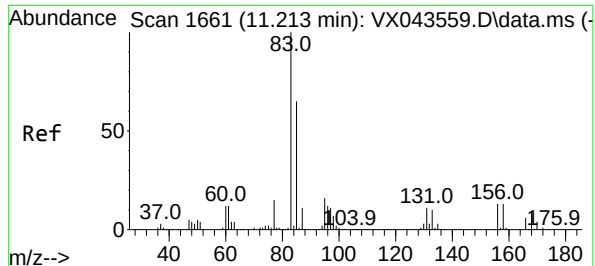
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#74
N-ethyl acetate
Concen: 49.043 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 43 Resp: 193011
Ion Ratio Lower Upper
43 100
70 45.6 34.6 52.0
55 24.8 19.6 29.4
61 25.6 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.090 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 14551

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

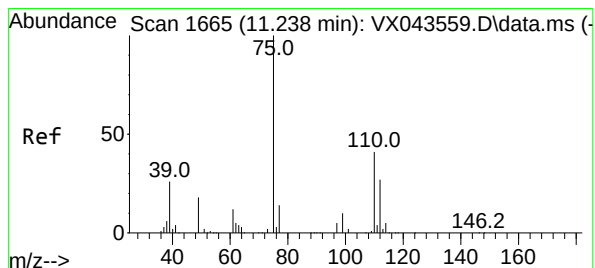
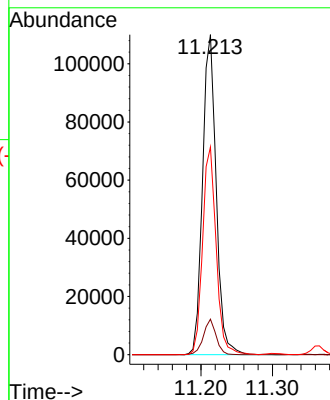
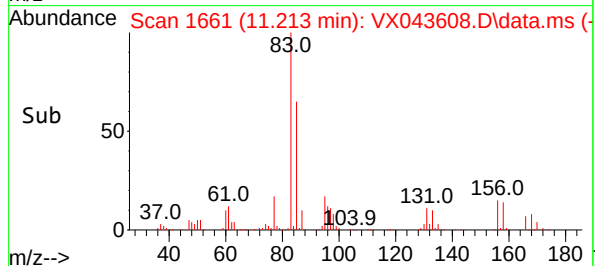
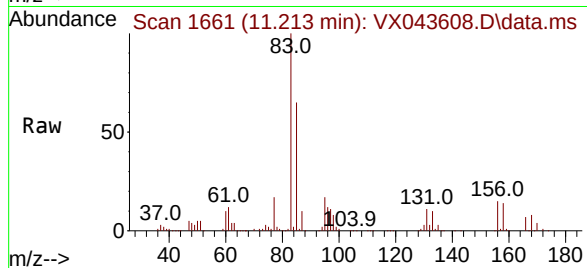
85 64.5 32.4 97.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#76

1,2,3-Trichloropropane

Concen: 48.280 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043608.D

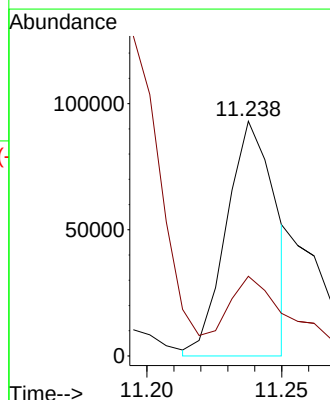
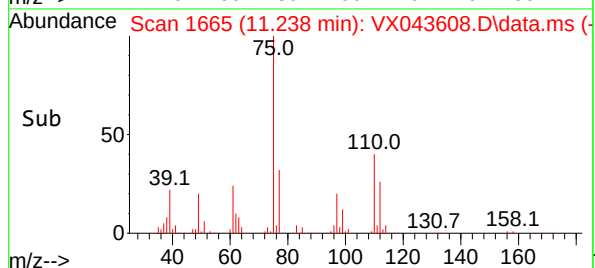
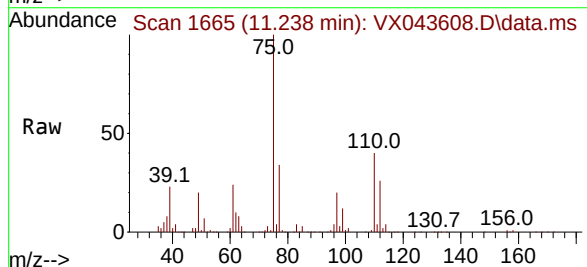
Acq: 29 Oct 2024 19:29

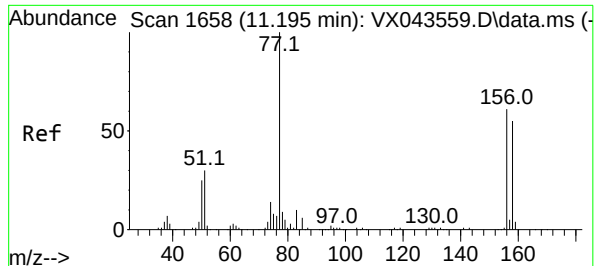
Tgt Ion: 75 Resp: 117730

Ion Ratio Lower Upper

75 100

77 44.7 22.4 67.2





#77

Bromobenzene

Concen: 51.757 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:156 Resp: 107968

Ion Ratio Lower Upper

156 100

77 152.0 79.7 239.1

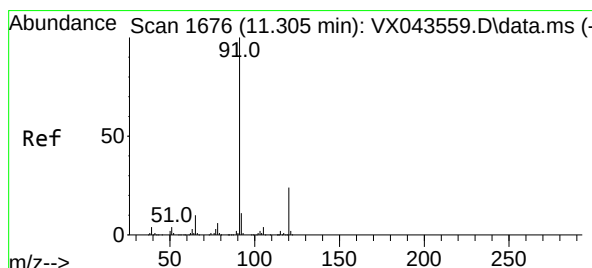
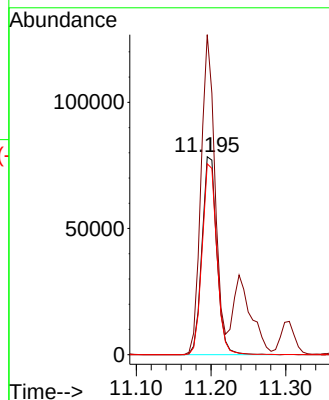
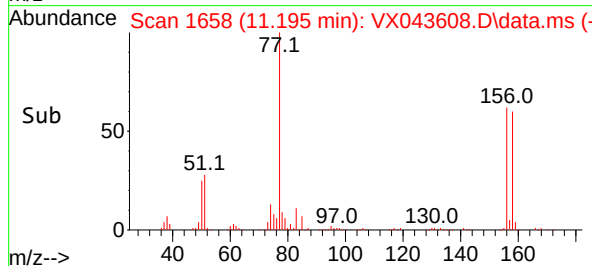
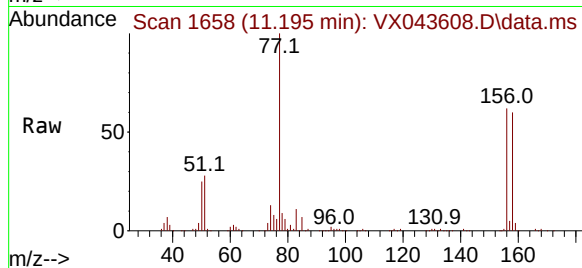
158 96.0 48.0 144.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#78

n-propylbenzene

Concen: 50.049 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX043608.D

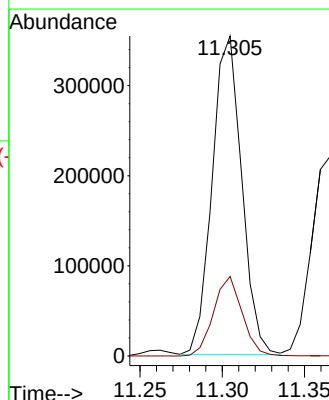
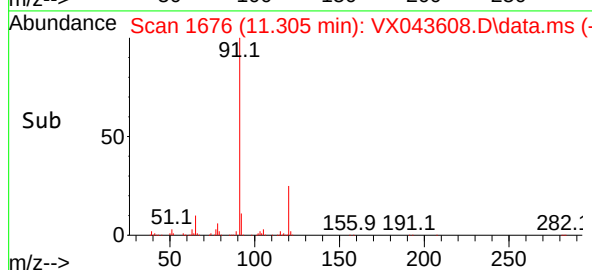
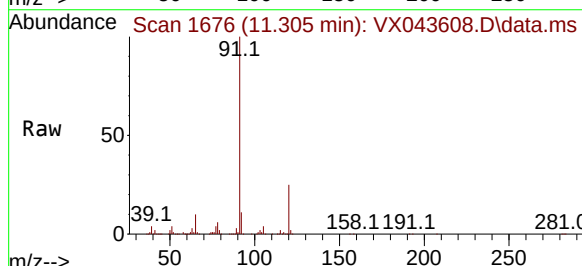
Acq: 29 Oct 2024 19:29

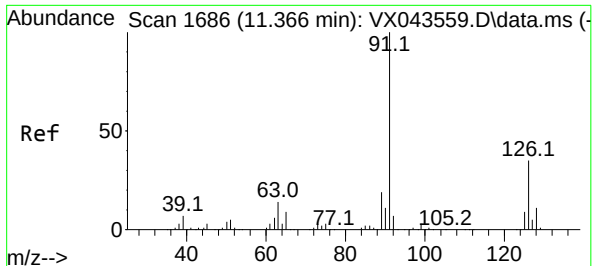
Tgt Ion: 91 Resp: 440854

Ion Ratio Lower Upper

91 100

120 24.2 11.6 34.7





#79

2-Chlorotoluene

Concen: 49.168 ug/l

RT: 11.366 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 287184

Ion Ratio Lower Upper

91 100

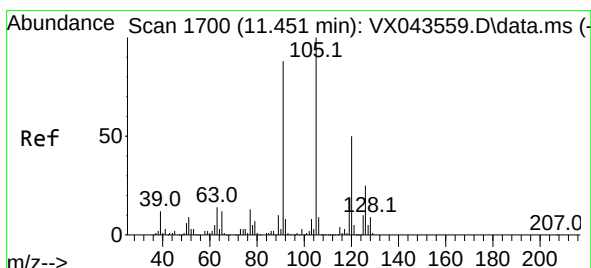
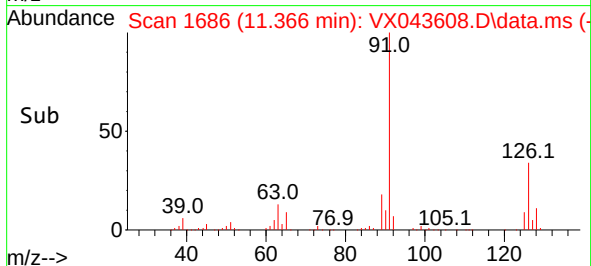
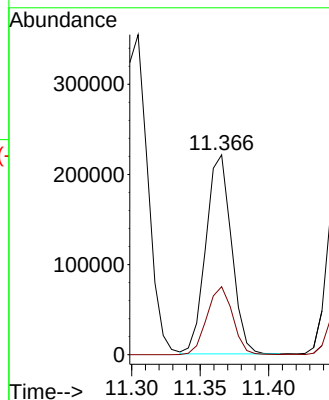
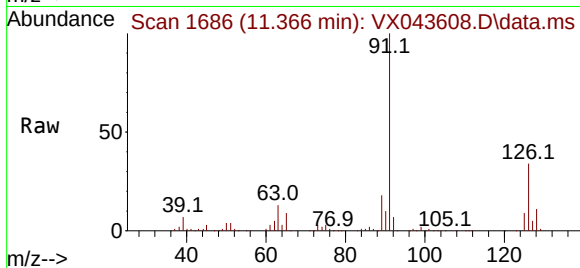
126 34.3 16.7 50.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#80

1,3,5-Trimethylbenzene

Concen: 50.200 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043608.D

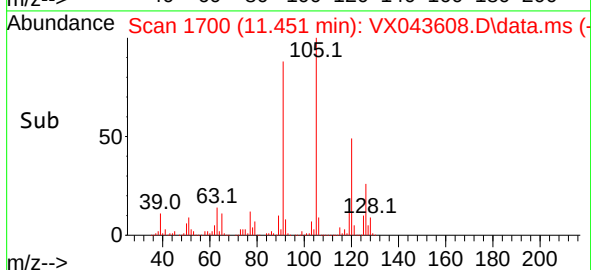
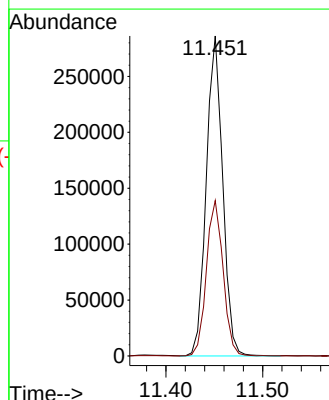
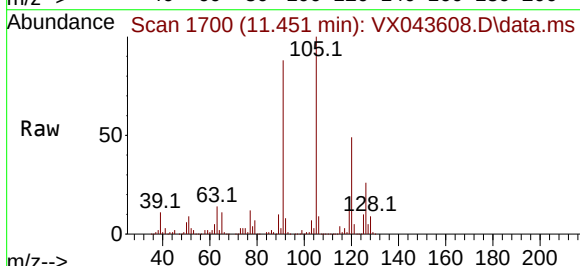
Acq: 29 Oct 2024 19:29

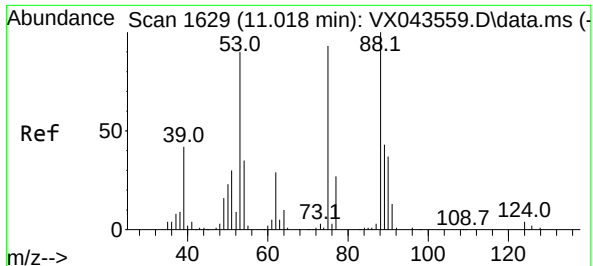
Tgt Ion:105 Resp: 338143

Ion Ratio Lower Upper

105 100

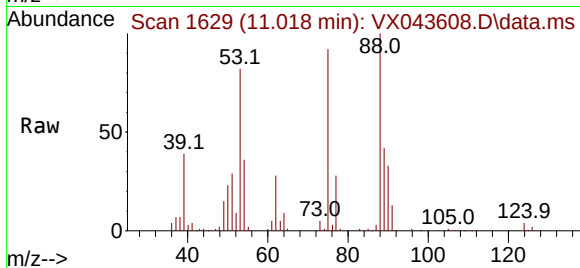
120 49.6 23.8 71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 49.002 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

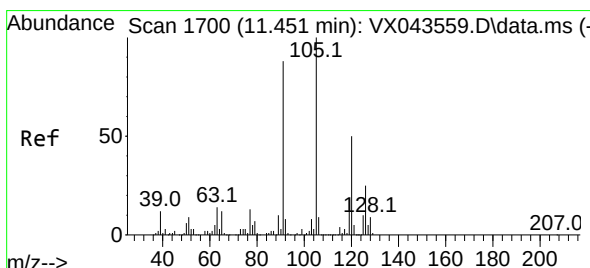
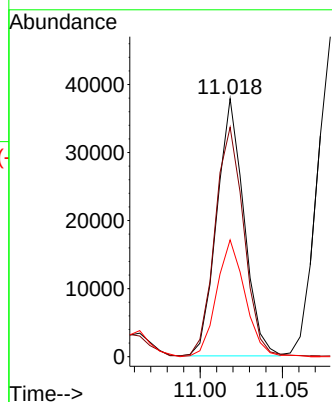
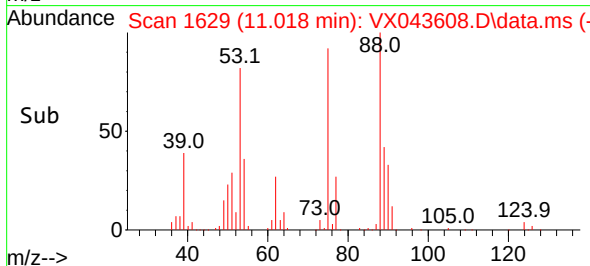
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 4343
Ion Ratio Lower Upper
75 100
53 94.9 84.6 126.8
89 47.6 38.6 58.0

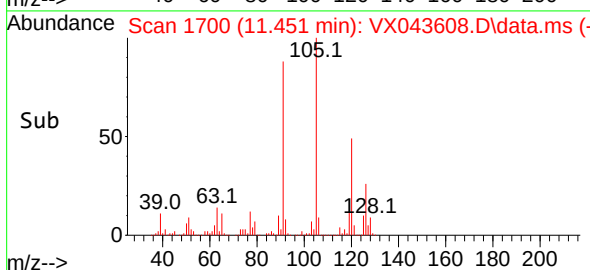
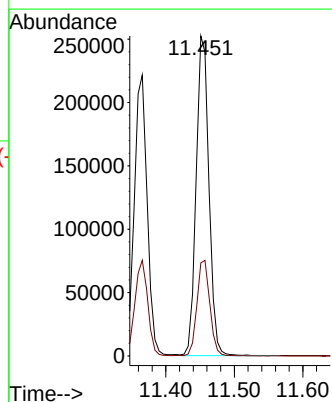
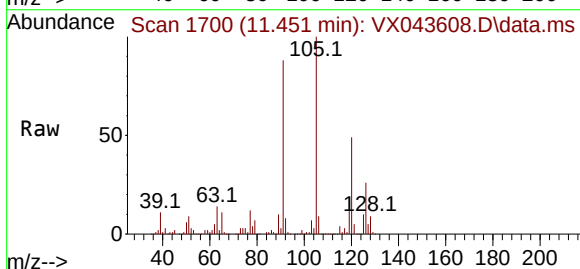
Manual Integrations
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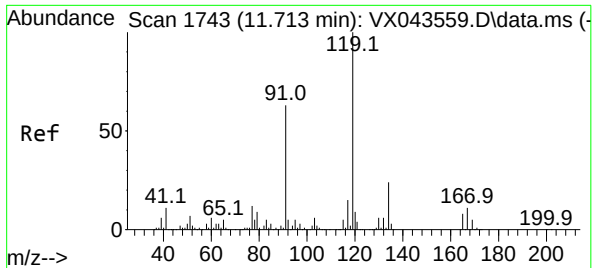
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#82
4-Chlorotoluene
Concen: 49.980 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 91 Resp: 327663
Ion Ratio Lower Upper
91 100
126 30.3 14.2 42.8





#83

tert-Butylbenzene

Concen: 49.604 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 33981

Ion Ratio Lower Upper

119 100

91 57.6 29.5 88.5

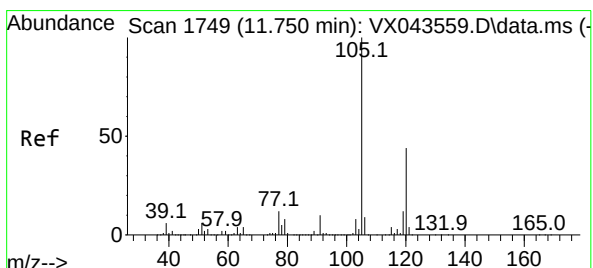
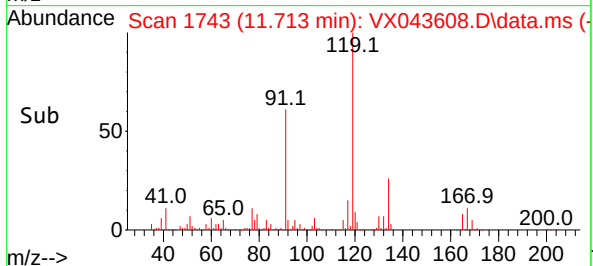
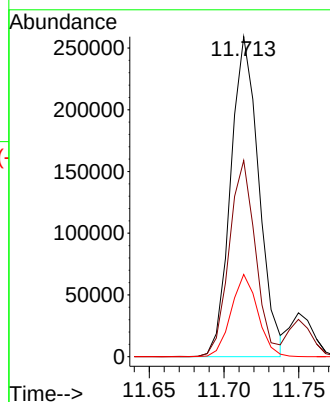
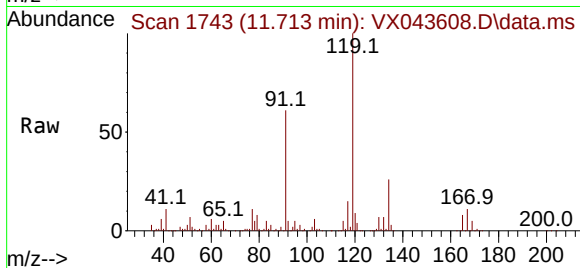
134 24.3 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#84

1,2,4-Trimethylbenzene

Concen: 51.260 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043608.D

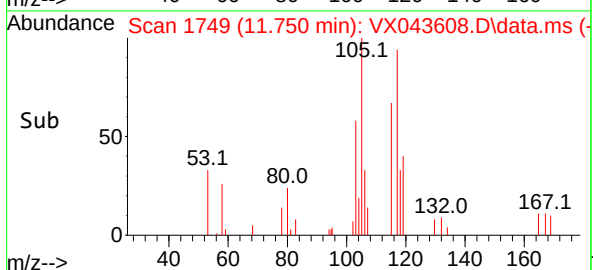
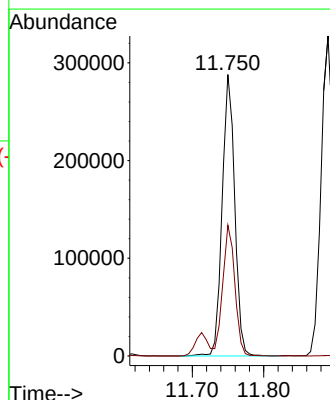
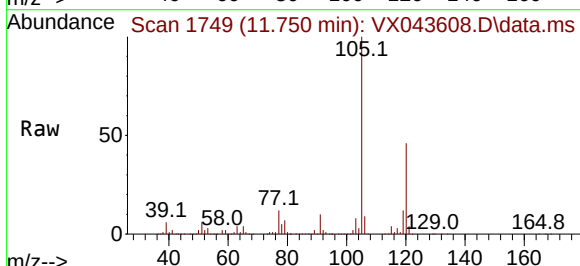
Acq: 29 Oct 2024 19:29

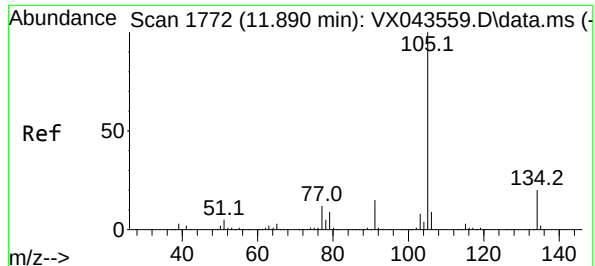
Tgt Ion:105 Resp: 351886

Ion Ratio Lower Upper

105 100

120 44.5 22.1 66.1





#85

sec-Butylbenzene

Concen: 50.641 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 406630

Ion Ratio Lower Upper

105 100

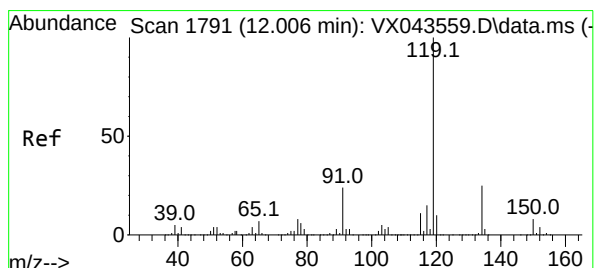
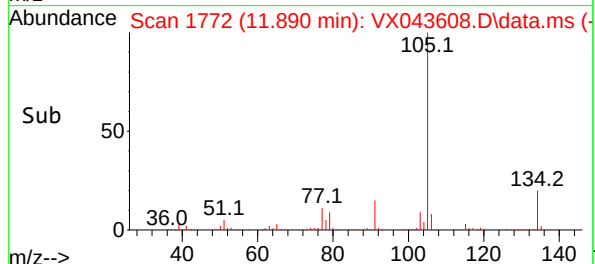
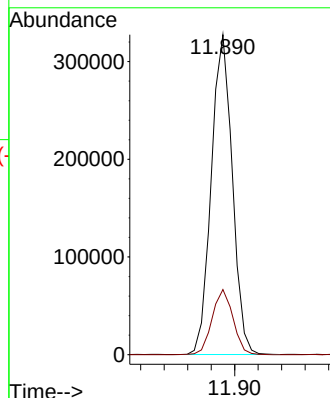
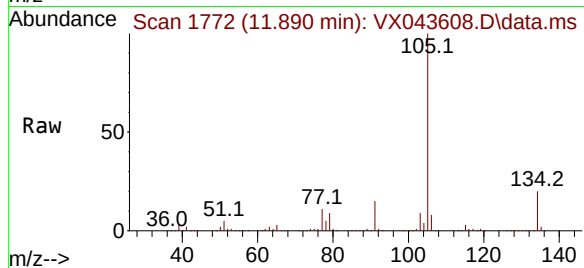
134 20.2 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#86

p-Isopropyltoluene

Concen: 50.299 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

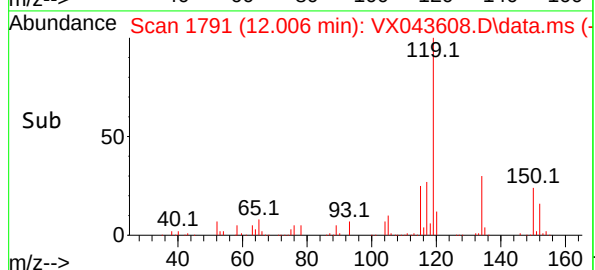
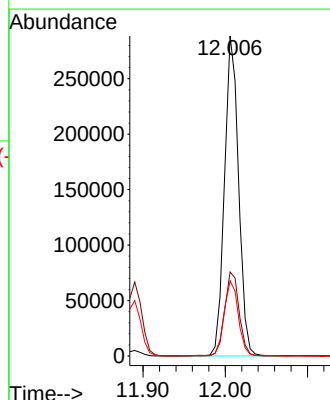
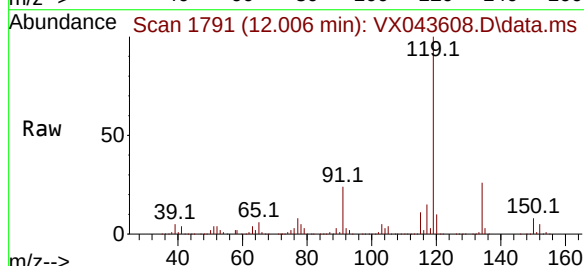
Tgt Ion:119 Resp: 343316

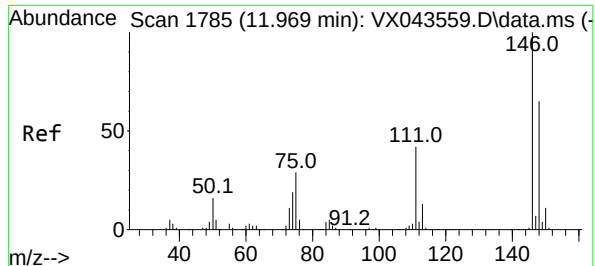
Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.1

91 23.9 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 51.035 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 190820

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.4

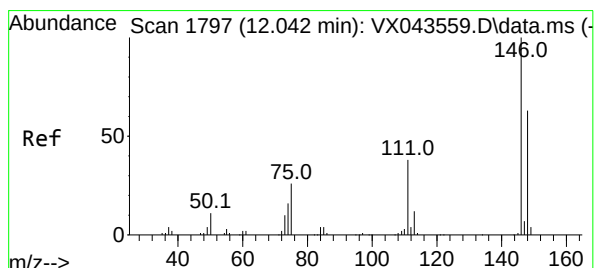
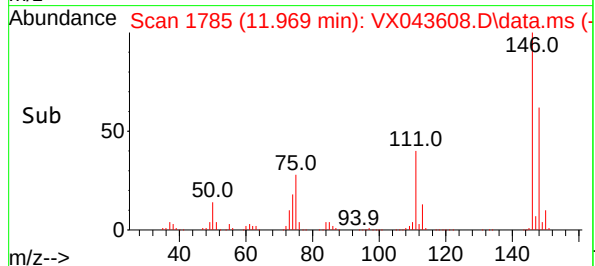
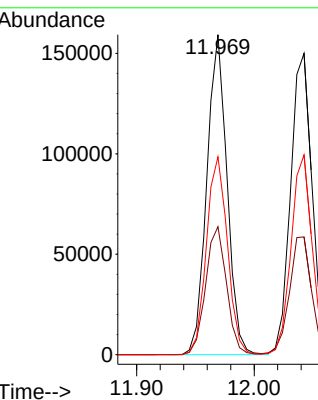
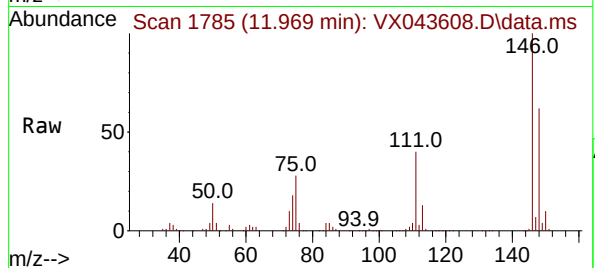
148 64.2 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#88

1,4-Dichlorobenzene

Concen: 49.502 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

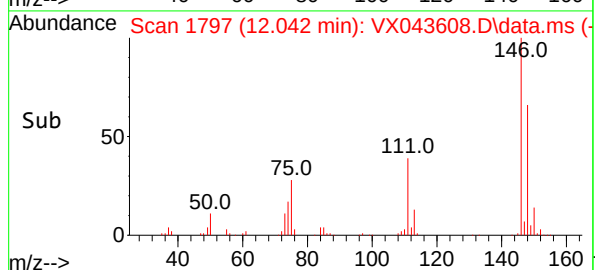
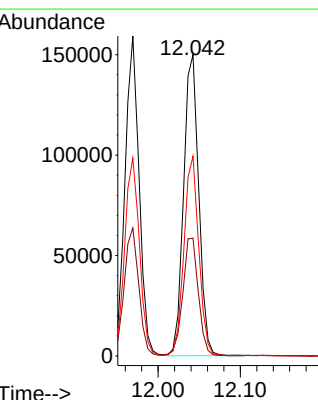
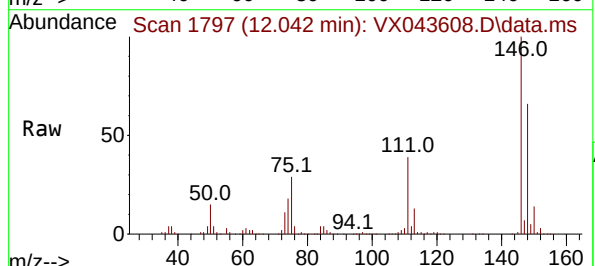
Tgt Ion:146 Resp: 191784

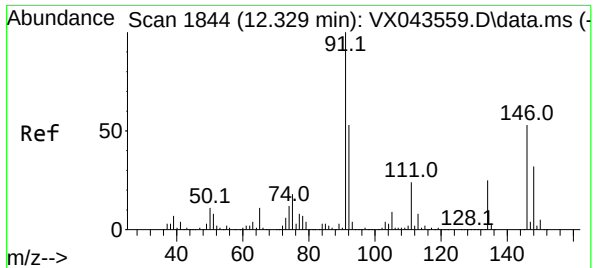
Ion Ratio Lower Upper

146 100

111 40.2 20.4 61.3

148 64.9 31.9 95.9





#89

n-Butylbenzene

Concen: 51.345 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 28556

Ion Ratio Lower Upper

91 100

92 54.4 27.1 81.2

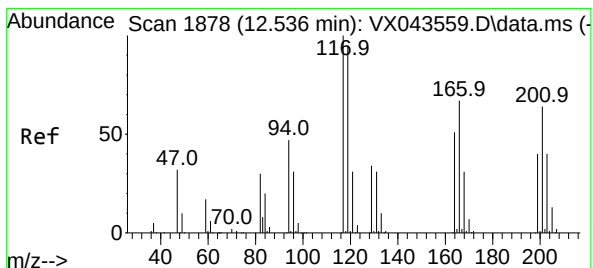
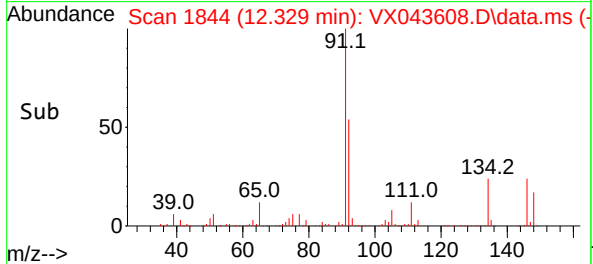
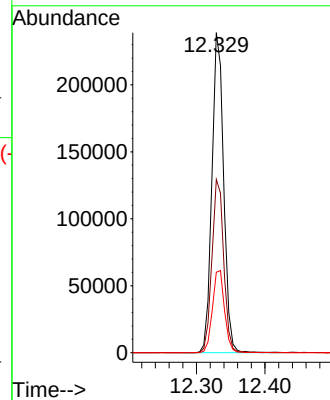
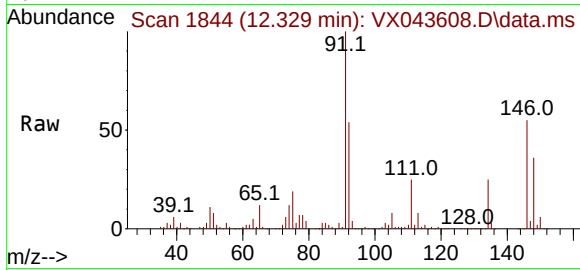
134 26.5 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#90

Hexachloroethane

Concen: 50.348 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043608.D

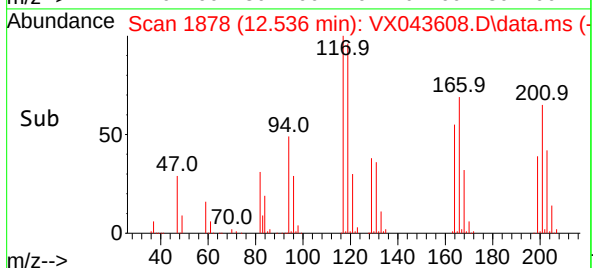
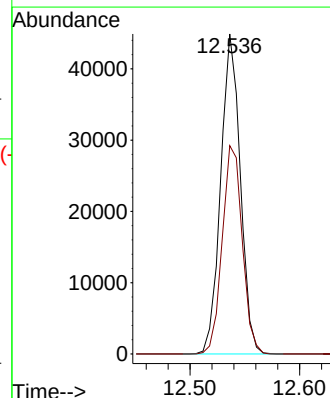
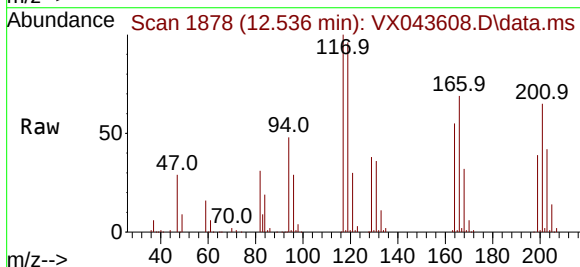
Acq: 29 Oct 2024 19:29

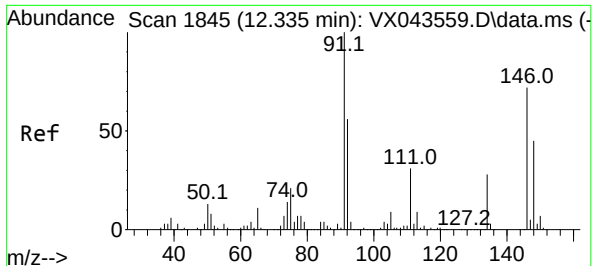
Tgt Ion:117 Resp: 55820

Ion Ratio Lower Upper

117 100

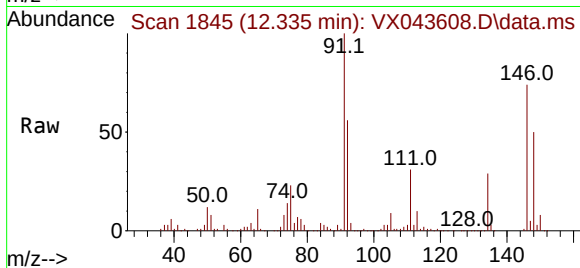
201 66.5 32.9 98.7





#91
1,2-Dichlorobenzene
Concen: 51.444 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

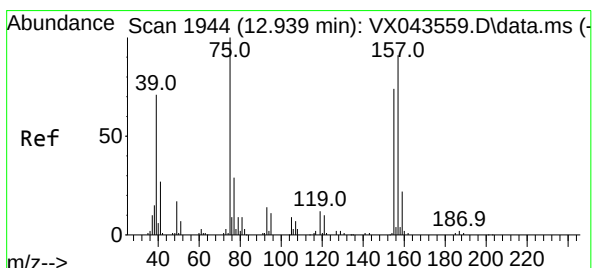
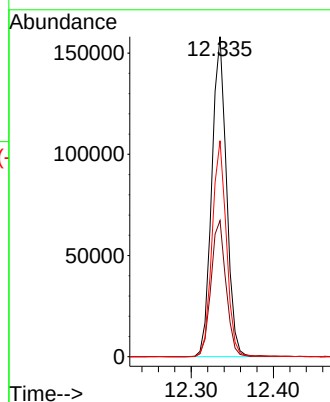
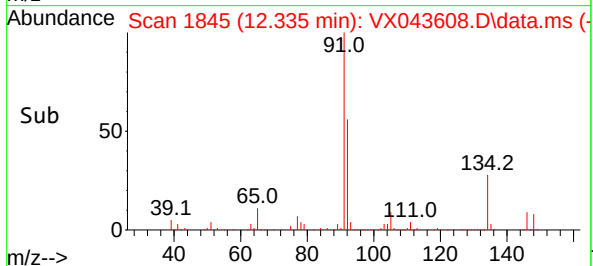
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



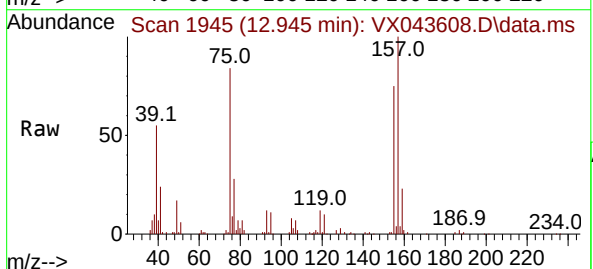
Tgt Ion:146 Resp: 196688
Ion Ratio Lower Upper
146 100
111 43.4 21.6 64.6
148 65.4 31.6 95.0

Manual Integrations
APPROVED

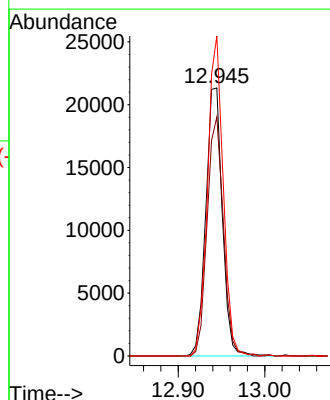
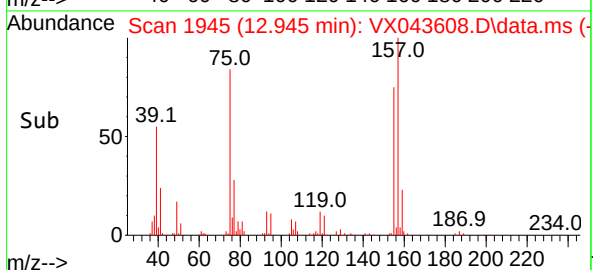
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

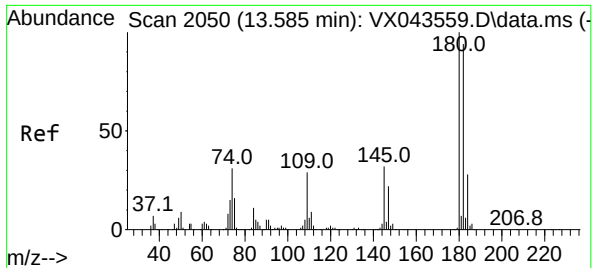


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.806 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29



Tgt Ion: 75 Resp: 28312
Ion Ratio Lower Upper
75 100
155 87.4 40.1 120.3
157 112.7 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 53.456 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

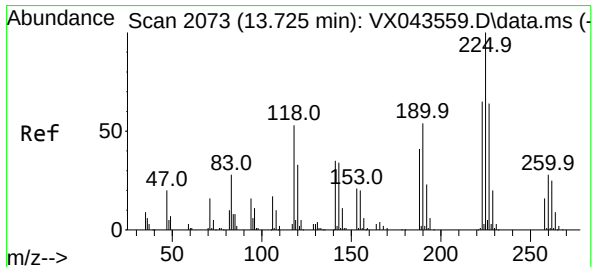
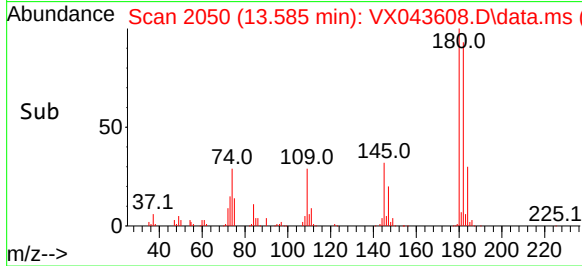
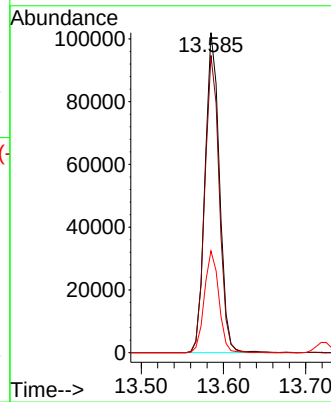
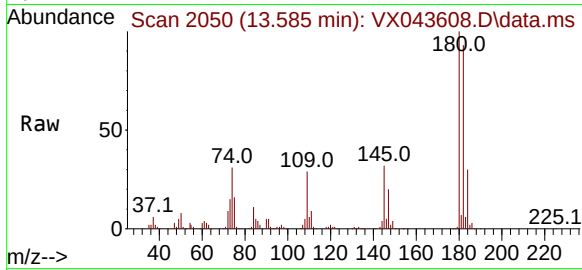
VSTDCCC050EC

Tgt Ion:180	Resp:	12405
Ion Ratio	Lower	Upper
180	100	
182	92.8	46.8 140.4
145	31.9	16.1 48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024



#94

Hexachlorobutadiene

Concen: 48.231 ug/l

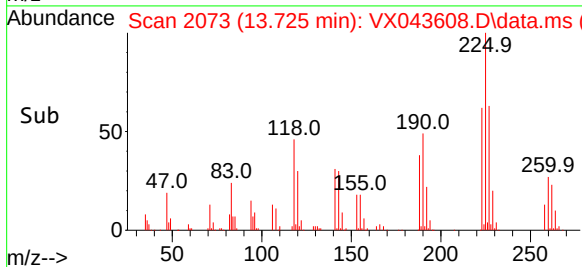
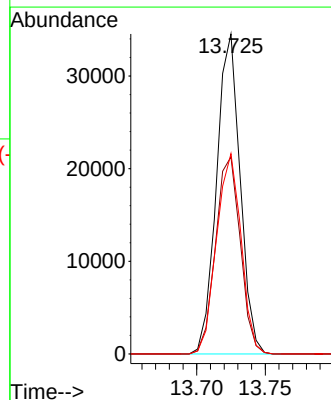
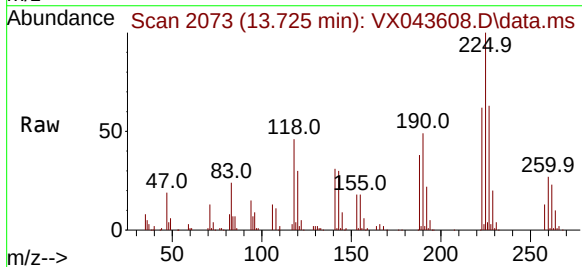
RT: 13.725 min Scan# 2073

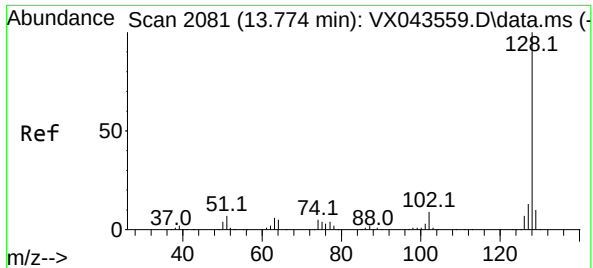
Delta R.T. -0.000 min

Lab File: VX043608.D

Acq: 29 Oct 2024 19:29

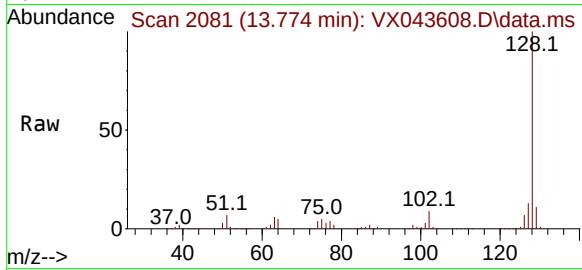
Tgt Ion:225	Resp:	41269
Ion Ratio	Lower	Upper
225	100	
223	64.7	30.8 92.4
227	65.2	31.6 94.8





#95
Naphthalene
Concen: 53.003 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

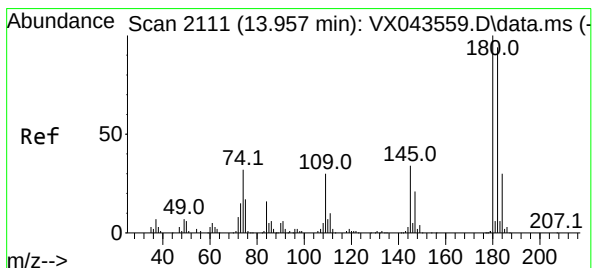
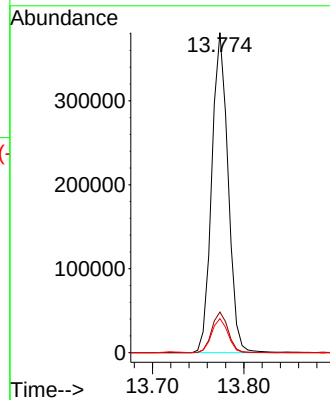
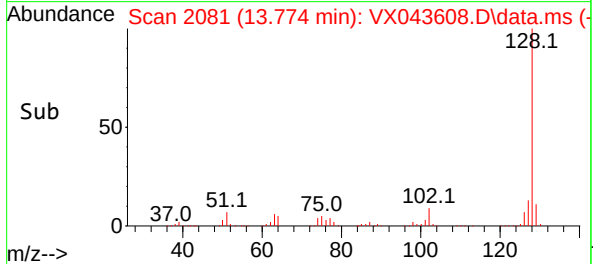
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:128 Resp: 470700
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.7 8.7 13.1

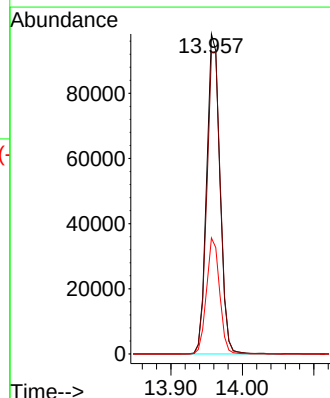
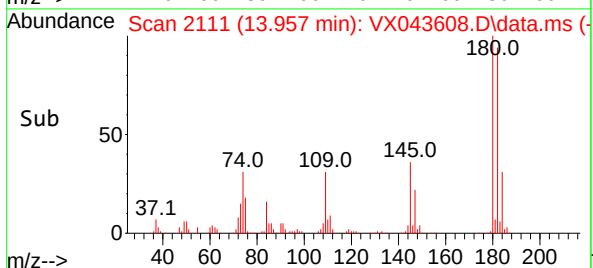
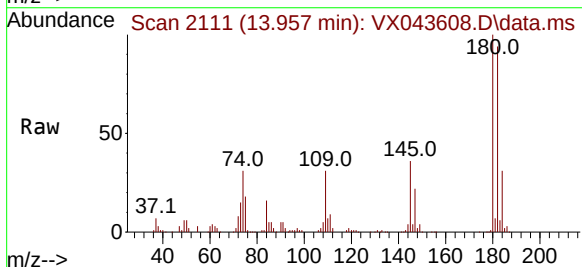
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 51.757 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:180 Resp: 126642
Ion Ratio Lower Upper
180 100
182 96.8 47.1 141.3
145 35.8 17.4 52.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043608.D
 Acq On : 29 Oct 2024 19:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	0.535	0.487	9.0	94	0.00
3 P	Chloromethane	0.684	0.630	7.9	94	0.00
4 C	Vinyl Chloride	0.634	0.622	1.9#	96	0.00
5 T	Bromomethane	0.259	0.257	0.8	96	0.00
6 T	Chloroethane	0.223	0.220	1.3	95	0.00
7 T	Trichlorofluoromethane	0.775	0.787	-1.5	99	0.01
8 T	Diethyl Ether	0.358	0.379	-5.9	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.524	0.521	0.6	97	0.00
10 T	Methyl Iodide	0.757	0.781	-3.2	97	0.00
11 T	Tert butyl alcohol	0.149	0.157	-5.4	98	-0.04
12 CM	1,1-Dichloroethene	0.536	0.539	-0.6#	98	0.00
13 T	Acrolein	0.116	0.115	0.9	103	0.00
14 T	Allyl chloride	0.926	0.917	1.0	94	0.00
15 T	Acrylonitrile	0.336	0.353	-5.1	99	0.00
16 T	Acetone	0.317	0.294	7.3	92	0.00
17 T	Carbon Disulfide	1.120	1.013	9.6	87	0.00
18 T	Methyl Acetate	0.925	0.905	2.2	95	0.00
19 T	Methyl tert-butyl Ether	2.037	2.113	-3.7	99	0.00
20 T	Methylene Chloride	0.682	0.675	1.0	99	0.00
21 T	trans-1,2-Dichloroethene	0.566	0.578	-2.1	100	0.00
22 T	Diisopropyl ether	1.915	1.951	-1.9	98	0.00
23 T	Vinyl Acetate	1.582	1.677	-6.0	97	0.00
24 P	1,1-Dichloroethane	1.101	1.100	0.1	97	0.00
25 T	2-Butanone	0.462	0.462	0.0	93	0.00
26 T	2,2-Dichloropropane	0.901	0.791	12.2	87	0.00
27 T	cis-1,2-Dichloroethene	0.723	0.766	-5.9	101	0.00
28 T	Bromochloromethane	0.524	0.520	0.8	100	0.00
29 T	Tetrahydrofuran	0.300	0.301	-0.3	95	0.00
30 C	Chloroform	1.154	1.146	0.7#	96	0.00
31 T	Cyclohexane	0.842	0.834	1.0	97	0.00
32 T	1,1,1-Trichloroethane	0.969	0.953	1.7	94	0.00
33 S	1,2-Dichloroethane-d4	0.797	0.760	4.6	94	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35 S	Dibromofluoromethane	0.339	0.345	-1.8	101	0.00
36 T	1,1-Dichloropropene	0.402	0.389	3.2	98	0.00
37 T	Ethyl Acetate	0.488	0.496	-1.6	96	0.00
38 T	Carbon Tetrachloride	0.444	0.421	5.2	93	0.00
39 T	Methylcyclohexane	0.499	0.498	0.2	96	0.00
40 TM	Benzene	1.341	1.365	-1.8	99	0.00
41 T	Methacrylonitrile	0.256	0.271	-5.9	98	0.00
42 TM	1,2-Dichloroethane	0.482	0.481	0.2	95	0.00
43 T	Isopropyl Acetate	0.807	0.813	-0.7	95	0.00
44 TM	Trichloroethene	0.333	0.333	0.0	97	0.00
45 C	1,2-Dichloropropane	0.330	0.345	-4.5#	100	0.00
46 T	Dibromomethane	0.254	0.262	-3.1	99	0.00
47 T	Bromodichloromethane	0.446	0.461	-3.4	95	0.00
48 T	Methyl methacrylate	0.383	0.395	-3.1	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043608.D
 Acq On : 29 Oct 2024 19:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	0.008	0.008	0.0	101	0.00
50 S	Toluene-d8	1.174	1.203	-2.5	100	0.00
51 T	4-Methyl-2-Pentanone	0.492	0.510	-3.7	95	0.00
52 CM	Toluene	0.813	0.855	-5.2#	100	0.00
53 T	t-1,3-Dichloropropene	0.479	0.492	-2.7	95	0.00
54 T	cis-1,3-Dichloropropene	0.510	0.542	-6.3	98	0.00
55 T	1,1,2-Trichloroethane	0.339	0.364	-7.4	100	0.00
56 T	Ethyl methacrylate	0.550	0.588	-6.9	98	0.00
57 T	1,3-Dichloropropane	0.563	0.604	-7.3	100	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.281	-5.6	103	0.00
59 T	2-Hexanone	0.374	0.380	-1.6	93	0.00
60 T	Dibromochloromethane	0.335	0.362	-8.1	97	0.00
61 T	1,2-Dibromoethane	0.351	0.374	-6.6	100	0.00
62 S	4-Bromofluorobenzene	0.435	0.447	-2.8	99	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.314	0.314	0.0	101	0.00
65 PM	Chlorobenzene	1.076	1.088	-1.1	101	0.00
66 T	1,1,1,2-Tetrachloroethane	0.351	0.367	-4.6	98	0.00
67 C	Ethyl Benzene	1.754	1.752	0.1#	98	0.00
68 T	m/p-Xylenes	0.671	0.684	-1.9	98	0.00
69 T	o-Xylene	0.674	0.696	-3.3	100	0.00
70 T	Styrene	1.120	1.189	-6.2	100	0.00
71 P	Bromoform	0.253	0.259	-2.4	94	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73 T	Isopropylbenzene	3.542	3.503	1.1	98	0.00
74 T	N-amyl acetate	1.725	1.692	1.9	95	0.00
75 P	1,1,2,2-Tetrachloroethane	1.274	1.276	-0.2	98	0.00
76 T	1,2,3-Trichloropropane	1.069	1.032	3.5	96	0.00
77 T	Bromobenzene	0.915	0.947	-3.5	102	0.00
78 T	n-propylbenzene	3.862	3.866	-0.1	96	0.00
79 T	2-Chlorotoluene	2.561	2.518	1.7	99	0.00
80 T	1,3,5-Trimethylbenzene	2.953	2.965	-0.4	97	0.00
81 T	trans-1,4-Dichloro-2-butene	0.389	0.381	2.1	91	0.00
82 T	4-Chlorotoluene	2.874	2.873	0.0	99	0.00
83 T	tert-Butylbenzene	3.003	2.980	0.8	97	0.00
84 T	1,2,4-Trimethylbenzene	3.010	3.085	-2.5	99	0.00
85 T	sec-Butylbenzene	3.520	3.565	-1.3	97	0.00
86 T	p-Isopropyltoluene	2.992	3.010	-0.6	96	0.00
87 T	1,3-Dichlorobenzene	1.639	1.673	-2.1	101	0.00
88 T	1,4-Dichlorobenzene	1.699	1.682	1.0	101	0.00
89 T	n-Butylbenzene	2.438	2.504	-2.7	95	0.00
90 T	Hexachloroethane	0.486	0.489	-0.6	94	0.00
91 T	1,2-Dichlorobenzene	1.676	1.725	-2.9	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.260	0.248	4.6	88	0.00
93 T	1,2,4-Trichlorobenzene	1.017	1.088	-7.0	100	0.00
94 T	Hexachlorobutadiene	0.375	0.362	3.5	96	0.00
95 T	Naphthalene	3.893	4.127	-6.0	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
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	1.073	1.110	-3.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043608.D
 Acq On : 29 Oct 2024 19:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	50.000	45.527	8.9	94	0.00
3 P	Chloromethane	50.000	46.060	7.9	94	0.00
4 C	Vinyl Chloride	50.000	49.033	1.9#	96	0.00
5 T	Bromomethane	50.000	49.698	0.6	96	0.00
6 T	Chloroethane	50.000	49.288	1.4	95	0.00
7 T	Trichlorofluoromethane	50.000	50.793	-1.6	99	0.01
8 T	Diethyl Ether	50.000	52.875	-5.8	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.715	0.6	97	0.00
10 T	Methyl Iodide	50.000	51.575	-3.2	97	0.00
11 T	Tert butyl alcohol	250.000	263.841	-5.5	98	-0.04
12 CM	1,1-Dichloroethene	50.000	50.316	-0.6#	98	0.00
13 T	Acrolein	250.000	247.404	1.0	103	0.00
14 T	Allyl chloride	50.000	49.498	1.0	94	0.00
15 T	Acrylonitrile	250.000	262.562	-5.0	99	0.00
16 T	Acetone	250.000	231.934	7.2	92	0.00
17 T	Carbon Disulfide	50.000	45.217	9.6	87	0.00
18 T	Methyl Acetate	50.000	48.896	2.2	95	0.00
19 T	Methyl tert-butyl Ether	50.000	51.858	-3.7	99	0.00
20 T	Methylene Chloride	50.000	49.441	1.1	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.050	-2.1	100	0.00
22 T	Diisopropyl ether	50.000	50.951	-1.9	98	0.00
23 T	Vinyl Acetate	250.000	265.039	-6.0	97	0.00
24 P	1,1-Dichloroethane	50.000	49.980	0.0	97	0.00
25 T	2-Butanone	250.000	250.264	-0.1	93	0.00
26 T	2,2-Dichloropropane	50.000	43.890	12.2	87	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.971	-5.9	101	0.00
28 T	Bromochloromethane	50.000	49.662	0.7	100	0.00
29 T	Tetrahydrofuran	250.000	250.734	-0.3	95	0.00
30 C	Chloroform	50.000	49.656	0.7#	96	0.00
31 T	Cyclohexane	50.000	49.541	0.9	97	0.00
32 T	1,1,1-Trichloroethane	50.000	49.171	1.7	94	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.685	4.6	94	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35 S	Dibromofluoromethane	50.000	50.941	-1.9	101	0.00
36 T	1,1-Dichloropropene	50.000	48.407	3.2	98	0.00
37 T	Ethyl Acetate	50.000	50.801	-1.6	96	0.00
38 T	Carbon Tetrachloride	50.000	47.400	5.2	93	0.00
39 T	Methylcyclohexane	50.000	49.896	0.2	96	0.00
40 TM	Benzene	50.000	50.901	-1.8	99	0.00
41 T	Methacrylonitrile	50.000	52.879	-5.8	98	0.00
42 TM	1,2-Dichloroethane	50.000	49.839	0.3	95	0.00
43 T	Isopropyl Acetate	50.000	50.370	-0.7	95	0.00
44 TM	Trichloroethene	50.000	50.041	-0.1	97	0.00
45 C	1,2-Dichloropropane	50.000	52.297	-4.6#	100	0.00
46 T	Dibromomethane	50.000	51.612	-3.2	99	0.00
47 T	Bromodichloromethane	50.000	51.646	-3.3	95	0.00
48 T	Methyl methacrylate	50.000	51.651	-3.3	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043608.D
 Acq On : 29 Oct 2024 19:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	1075.073	-7.5	101	0.00
50 S	Toluene-d8	50.000	51.243	-2.5	100	0.00
51 T	4-Methyl-2-Pentanone	250.000	258.941	-3.6	95	0.00
52 CM	Toluene	50.000	52.560	-5.1#	100	0.00
53 T	t-1,3-Dichloropropene	50.000	51.314	-2.6	95	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.094	-6.2	98	0.00
55 T	1,1,2-Trichloroethane	50.000	53.799	-7.6	100	0.00
56 T	Ethyl methacrylate	50.000	53.432	-6.9	98	0.00
57 T	1,3-Dichloropropane	50.000	53.607	-7.2	100	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	263.875	-5.5	103	0.00
59 T	2-Hexanone	250.000	254.496	-1.8	93	0.00
60 T	Dibromochloromethane	50.000	54.022	-8.0	97	0.00
61 T	1,2-Dibromoethane	50.000	53.153	-6.3	100	0.00
62 S	4-Bromofluorobenzene	50.000	51.413	-2.8	99	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	49.957	0.1	101	0.00
65 PM	Chlorobenzene	50.000	50.588	-1.2	101	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.231	-4.5	98	0.00
67 C	Ethyl Benzene	50.000	49.943	0.1#	98	0.00
68 T	m/p-Xylenes	100.000	101.972	-2.0	98	0.00
69 T	o-Xylene	50.000	51.602	-3.2	100	0.00
70 T	Styrene	50.000	53.092	-6.2	100	0.00
71 P	Bromoform	50.000	51.301	-2.6	94	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73 T	Isopropylbenzene	50.000	49.457	1.1	98	0.00
74 T	N-amyl acetate	50.000	49.043	1.9	95	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.090	-0.2	98	0.00
76 T	1,2,3-Trichloropropane	50.000	48.280	3.4	96	0.00
77 T	Bromobenzene	50.000	51.757	-3.5	102	0.00
78 T	n-propylbenzene	50.000	50.049	-0.1	96	0.00
79 T	2-Chlorotoluene	50.000	49.168	1.7	99	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.200	-0.4	97	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.002	2.0	91	0.00
82 T	4-Chlorotoluene	50.000	49.980	0.0	99	0.00
83 T	tert-Butylbenzene	50.000	49.604	0.8	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.260	-2.5	99	0.00
85 T	sec-Butylbenzene	50.000	50.641	-1.3	97	0.00
86 T	p-Isopropyltoluene	50.000	50.299	-0.6	96	0.00
87 T	1,3-Dichlorobenzene	50.000	51.035	-2.1	101	0.00
88 T	1,4-Dichlorobenzene	50.000	49.502	1.0	101	0.00
89 T	n-Butylbenzene	50.000	51.345	-2.7	95	0.00
90 T	Hexachloroethane	50.000	50.348	-0.7	94	0.00
91 T	1,2-Dichlorobenzene	50.000	51.444	-2.9	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.806	4.4	88	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.456	-6.9	100	0.00
94 T	Hexachlorobutadiene	50.000	48.231	3.5	96	0.00
95 T	Naphthalene	50.000	53.003	-6.0	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.757	-3.5	100	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: TETR06
 Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600
 Instrument ID: MSVOA_X Calibration Date/Time: 10/30/2024 09:26
 Lab File ID: VX043610.D Init. Calib. Date(s): 10/28/2024 10/28/2024
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.684	0.584	0.1	-14.6	20
Vinyl Chloride	0.634	0.571		-10	20
Bromomethane	0.259	0.237		-8.5	20
Chloroethane	0.223	0.203		-9.1	20
Trichlorofluoromethane	0.775	0.698		-10	20
1,1,2-Trichlorotrifluoroethane	0.524	0.507		-3.3	20
1,1-Dichloroethene	0.536	0.501		-6.4	20
Acetone	0.317	0.343		8.3	20
Carbon Disulfide	1.120	0.957		-14.6	20
Methyl tert-butyl Ether	2.037	1.972		-3.2	20
Methylene Chloride	0.682	0.636		-6.7	20
trans-1,2-Dichloroethene	0.566	0.534		-5.7	20
1,1-Dichloroethane	1.101	1.028	0.1	-6.5	20
2-Butanone	0.462	0.468		1.3	20
Carbon Tetrachloride	0.444	0.405		-8.8	20
cis-1,2-Dichloroethene	0.723	0.716		-1	20
Chloroform	1.154	1.104		-4.3	20
1,1,1-Trichloroethane	0.969	0.886		-8.6	20
Methylcyclohexane	0.499	0.481		-3.7	20
Benzene	1.341	1.280		-4.5	20
1,2-Dichloroethane	0.482	0.451		-6.5	20
Trichloroethene	0.333	0.323		-3	20
1,2-Dichloropropane	0.330	0.318		-3.7	20
Bromodichloromethane	0.446	0.457		2.5	20
4-Methyl-2-Pentanone	0.492	0.488		-0.8	20
Toluene	0.813	0.812		-0.2	20
t-1,3-Dichloropropene	0.479	0.489		2	20
cis-1,3-Dichloropropene	0.510	0.524		2.7	20
1,1,2-Trichloroethane	0.339	0.347		2.5	20
2-Hexanone	0.374	0.373		-0.1	20
Dibromochloromethane	0.335	0.357		6.6	20
Tetrachloroethene	0.314	0.299		-5	20
Chlorobenzene	1.076	1.032	0.3	-4	20
Ethyl Benzene	1.754	1.649		-6	20
m/p-Xylenes	0.671	0.654		-2.6	20
o-Xylene	0.674	0.664		-1.4	20
Styrene	1.120	1.140		1.8	20
Bromoform	0.253	0.264	0.1	4.7	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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/30/2024 09:26

Lab File ID: VX043610.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.542	3.300		-6.8	20
1,1,2,2-Tetrachloroethane	1.274	1.220	0.3	-4.2	20
1,3-Dichlorobenzene	1.639	1.625		-0.8	20
1,4-Dichlorobenzene	1.699	1.622		-4.5	20
1,2-Dichlorobenzene	1.676	1.677		0.1	20
1,2-Dichloroethane-d4	0.797	0.748		-6.2	20
Dibromofluoromethane	0.339	0.352		3.9	20
Toluene-d8	1.174	1.213		3.4	20
4-Bromofluorobenzene	0.435	0.462		6.1	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_X\Data\VX103024\
 Data File : VX043610.D
 Acq On : 30 Oct 2024 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 09:40:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	150073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	269353	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115673	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	112202	46.889	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.780%
35) Dibromofluoromethane	5.379	113	94915	51.966	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.940%
50) Toluene-d8	8.647	98	326824	51.692	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.380%
62) 4-Bromofluorobenzene	11.079	95	124327	53.067	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.140%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	71574	44.596	ug/l	99
3) Chloromethane	1.294	50	87599	42.698	ug/l	98
4) Vinyl Chloride	1.374	62	85695	45.006	ug/l	99
5) Bromomethane	1.593	94	35512	45.750	ug/l	94
6) Chloroethane	1.660	64	30486	45.446	ug/l	99
7) Trichlorofluoromethane	1.861	101	104723	45.021	ug/l	99
8) Diethyl Ether	2.136	74	53489	49.770	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	76076	48.361	ug/l	98
10) Methyl Iodide	2.441	142	108842	47.890	ug/l	97
11) Tert butyl alcohol	3.014	59	108451	242.814	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	75194	46.775	ug/l	93
13) Acrolein	2.239	56	74024	211.927	ug/l	100
14) Allyl chloride	2.654	41	131287	47.217	ug/l	95
15) Acrylonitrile	3.068	53	252559	250.451	ug/l	99
16) Acetone	2.392	43	257260	270.728	ug/l	97
17) Carbon Disulfide	2.495	76	143574	42.711	ug/l	99
18) Methyl Acetate	2.703	43	132295	47.636	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	295972	48.412	ug/l	98
20) Methylene Chloride	2.782	84	95520	46.641	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	80110	47.169	ug/l	94
22) Diisopropyl ether	3.764	45	274400	47.745	ug/l	92
23) Vinyl Acetate	3.721	43	1179393	248.394	ug/l	99
24) 1,1-Dichloroethane	3.599	63	154349	46.726	ug/l	98
25) 2-Butanone	4.562	43	350984	253.209	ug/l	97
26) 2,2-Dichloropropane	4.465	77	128192	47.410	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	107437	49.522	ug/l	96
28) Bromochloromethane	4.891	49	79972	50.892	ug/l	97
29) Tetrahydrofuran	5.007	42	216487	240.326	ug/l	97
30) Chloroform	5.086	83	165613	47.828	ug/l	100
31) Cyclohexane	5.458	56	114348	45.259	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	132895	45.714	ug/l	99
36) 1,1-Dichloropropene	5.678	75	97077	44.823	ug/l	97
37) Ethyl Acetate	4.715	43	130909	49.788	ug/l	97
38) Carbon Tetrachloride	5.666	117	109072	45.579	ug/l	99
39) Methylcyclohexane	7.373	83	129506	48.163	ug/l	98
40) Benzene	6.031	78	344839	47.728	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043610.D
 Acq On : 30 Oct 2024 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 09:40:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	69757	50.543	ug/l	95
42) 1,2-Dichloroethane	6.080	62	121452	46.758	ug/l	97
43) Isopropyl Acetate	6.342	43	209353	48.146	ug/l	98
44) Trichloroethene	7.117	130	87016	48.479	ug/l	94
45) 1,2-Dichloropropane	7.421	63	85671	48.156	ug/l	99
46) Dibromomethane	7.574	93	66672	48.673	ug/l	96
47) Bromodichloromethane	7.818	83	123136	51.242	ug/l	99
48) Methyl methacrylate	7.690	41	101279	49.127	ug/l	95
49) 1,4-Dioxane	7.665	88	35094	828.559	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	657274	248.002	ug/l	98
52) Toluene	8.714	92	218703	49.912	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	131592	50.985	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	141165	51.333	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	93459	51.241	ug/l	99
56) Ethyl methacrylate	9.116	69	149715	50.517	ug/l	93
57) 1,3-Dichloropropane	9.305	76	152310	50.209	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	387207	269.768	ug/l	97
59) 2-Hexanone	9.433	43	502607	249.695	ug/l	96
60) Dibromochloromethane	9.519	129	96239	53.286	ug/l	98
61) 1,2-Dibromoethane	9.610	107	95281	50.325	ug/l	98
64) Tetrachloroethene	9.269	164	71453	47.505	ug/l	97
65) Chlorobenzene	10.079	112	246845	47.976	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	84757	50.433	ug/l	98
67) Ethyl Benzene	10.189	91	394382	47.008	ug/l	99
68) m/p-Xylenes	10.299	106	312586	97.427	ug/l	96
69) o-Xylene	10.640	106	158887	49.288	ug/l	97
70) Styrene	10.653	104	272620	50.882	ug/l	99
71) Bromoform	10.799	173	63250	52.344	ug/l #	99
73) Isopropylbenzene	10.957	105	381714	46.585	ug/l	99
74) N-amyl acetate	10.841	43	182532	45.729	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	141135	47.900	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	114398m	46.254	ug/l	
77) Bromobenzene	11.195	156	102861	48.616	ug/l	97
78) n-propylbenzene	11.305	91	429391	48.063	ug/l	99
79) 2-Chlorotoluene	11.360	91	273511	46.169	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	322893	47.262	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	44246	49.216	ug/l	94
82) 4-Chlorotoluene	11.451	91	316271	47.565	ug/l	96
83) tert-Butylbenzene	11.713	119	325979	46.916	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	336881	48.385	ug/l	96
85) sec-Butylbenzene	11.890	105	388641	47.720	ug/l	98
86) p-Isopropyltoluene	12.006	119	335157	48.414	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	188015	49.579	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	187678	47.762	ug/l	99
89) n-Butylbenzene	12.329	91	283231	50.210	ug/l	99
90) Hexachloroethane	12.536	117	55596	49.441	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	194011	50.031	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	28504	47.454	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	122941	52.231	ug/l	99
94) Hexachlorobutadiene	13.725	225	43330	49.928	ug/l	97
95) Naphthalene	13.774	128	461342	51.219	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	126305	50.894	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

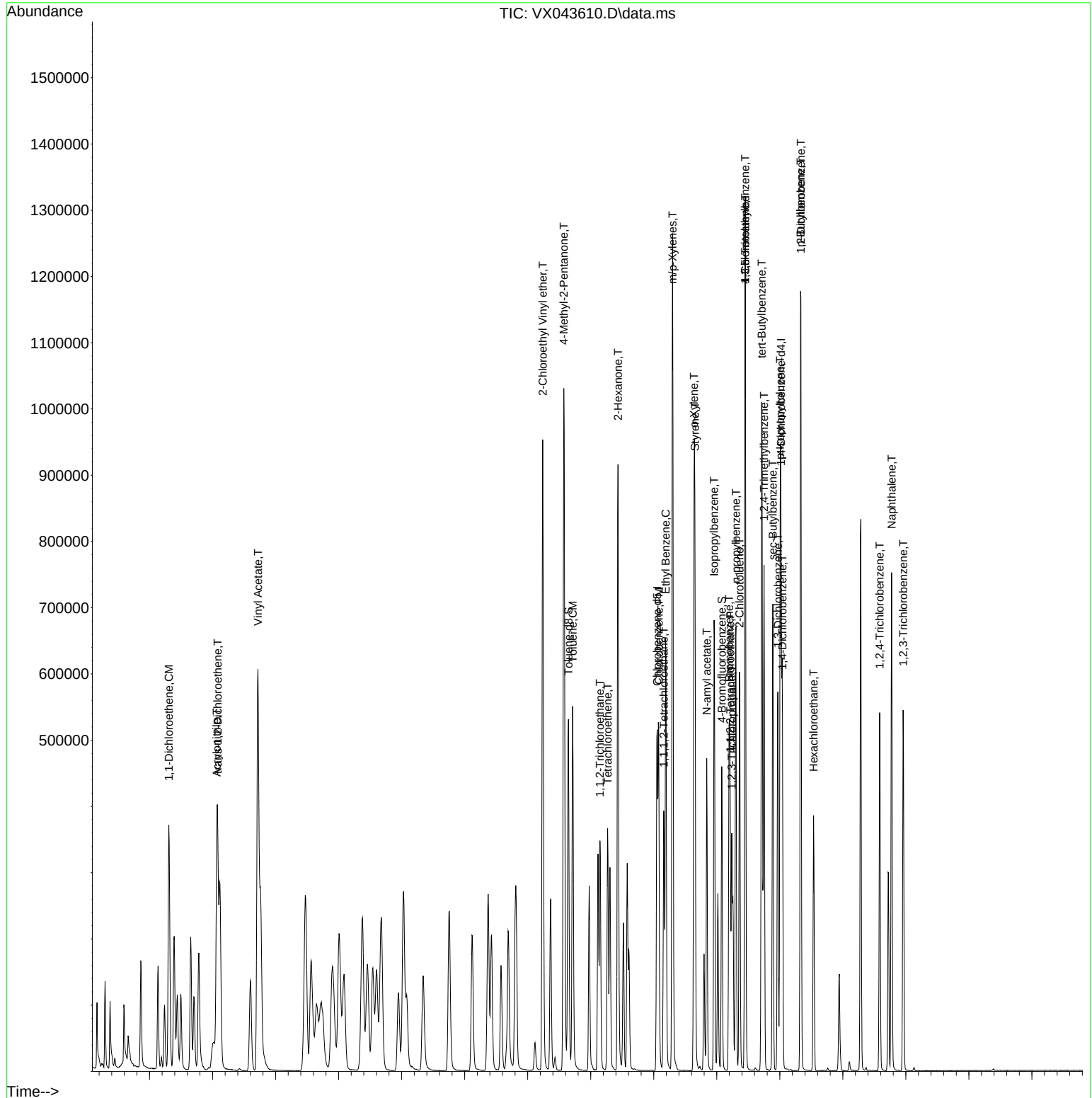
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Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

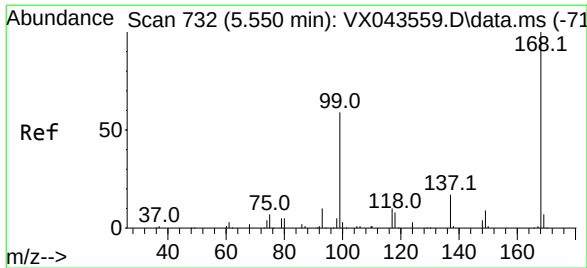
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

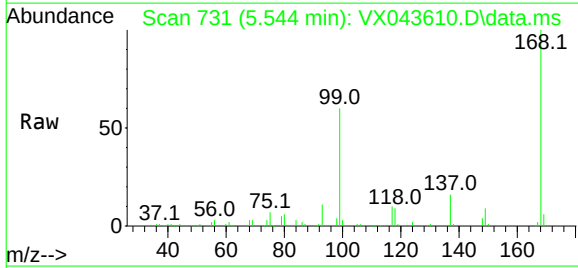
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Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

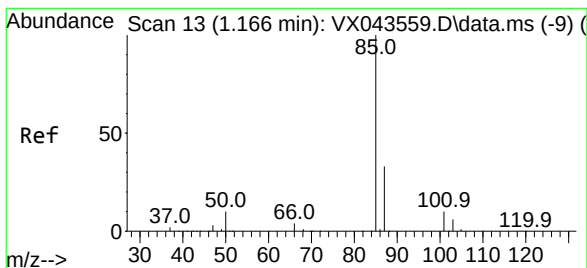
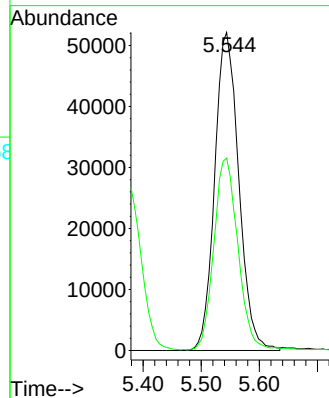
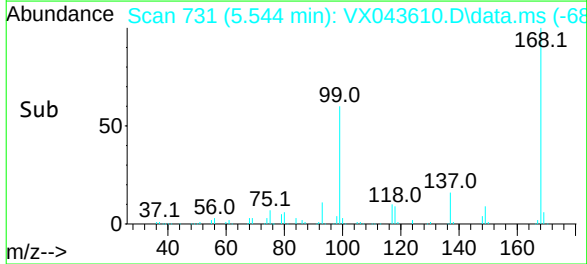
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 168 Resp: 150073
Ion Ratio Lower Upper
168 100
99 60.3 52.6 78.8

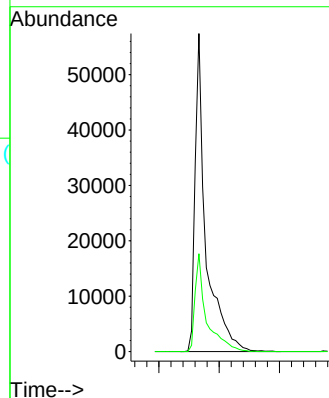
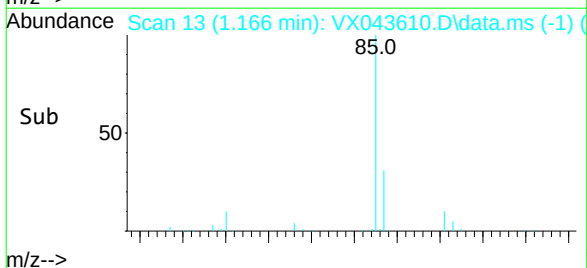
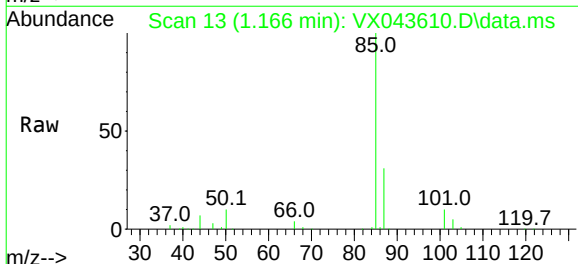
Manual Integrations
APPROVED

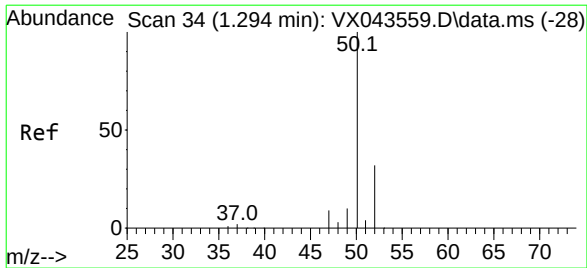
Reviewed By : Semsettin Yesilyurt 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#2
Dichlorodifluoromethane
Concen: 44.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 85 Resp: 71574
Ion Ratio Lower Upper
85 100
87 30.8 15.7 47.0





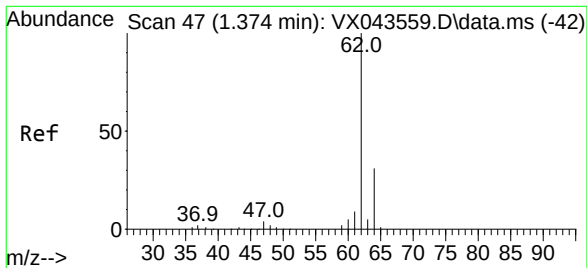
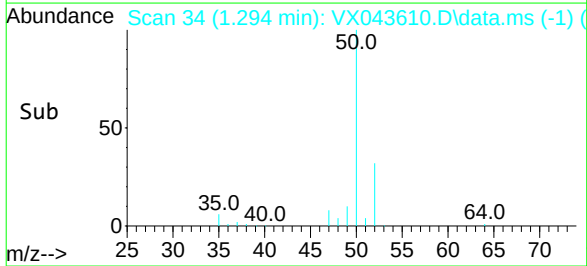
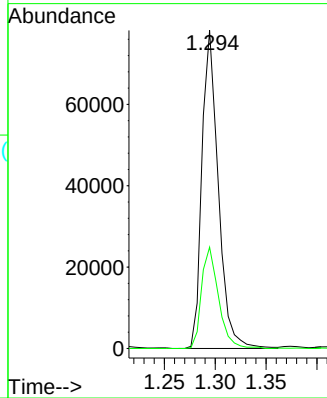
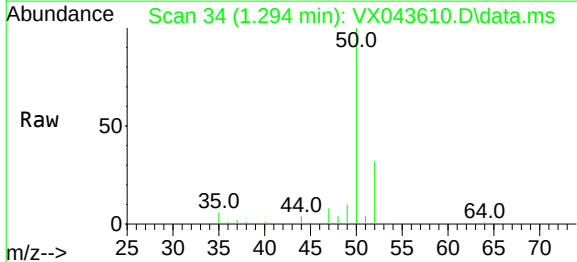
#3
Chloromethane
Concen: 42.698 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 87599
Ion Ratio Lower Upper
50 100
52 31.8 26.3 39.5

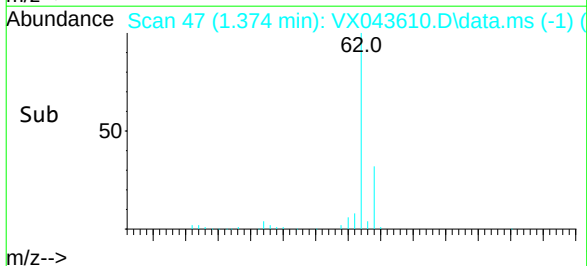
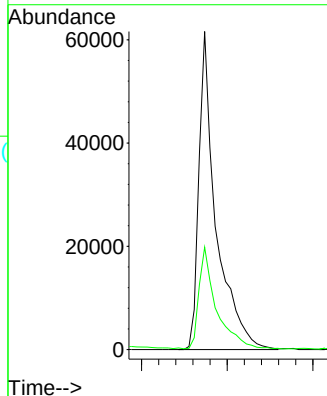
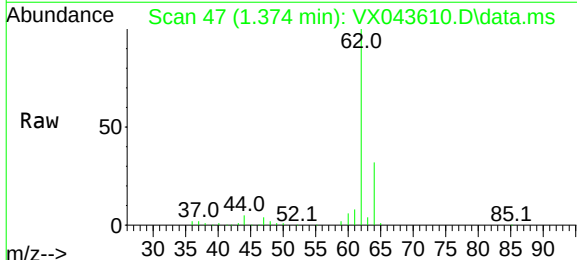
Manual Integrations
APPROVED

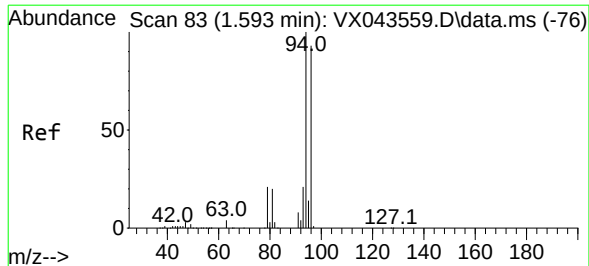
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#4
Vinyl Chloride
Concen: 45.006 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 62 Resp: 85695
Ion Ratio Lower Upper
62 100
64 31.8 25.0 37.4





#5

Bromomethane

Concen: 45.750 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX043610.D

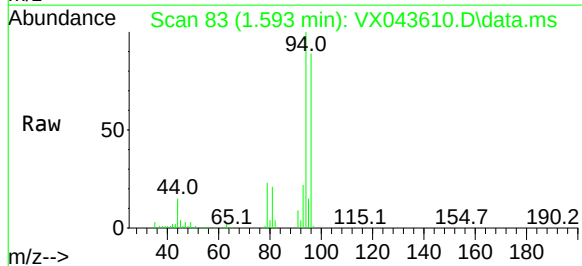
Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 94 Resp: 35512

Ion Ratio Lower Upper

94 100

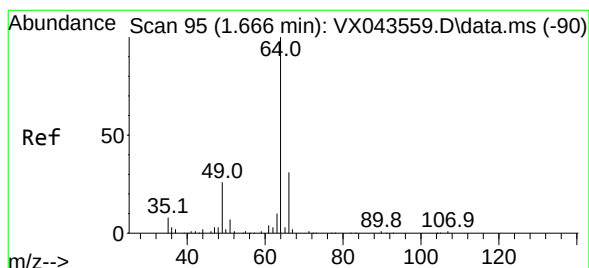
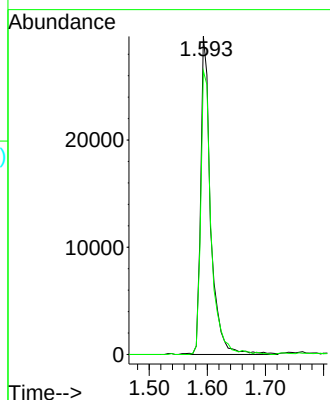
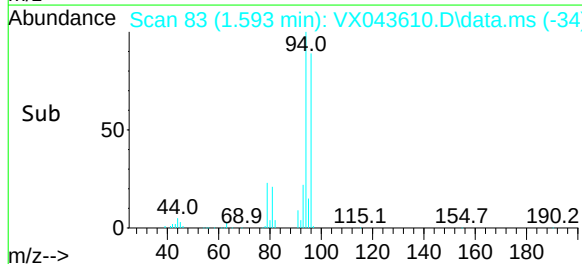
96 89.2 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#6

Chloroethane

Concen: 45.446 ug/l

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX043610.D

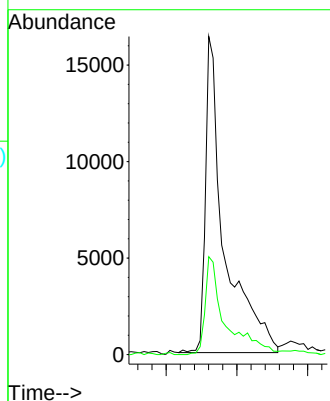
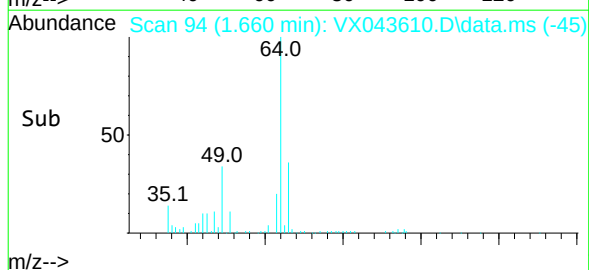
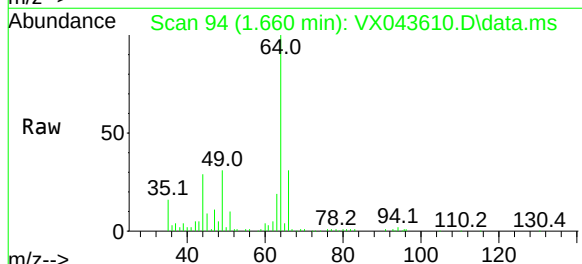
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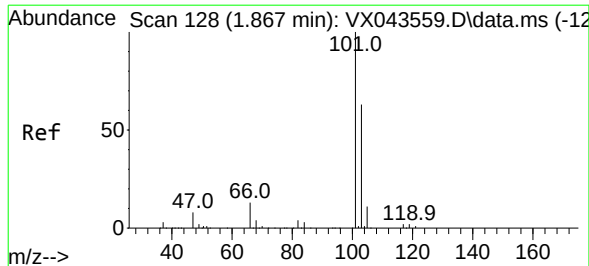
Tgt Ion: 64 Resp: 30486

Ion Ratio Lower Upper

64 100

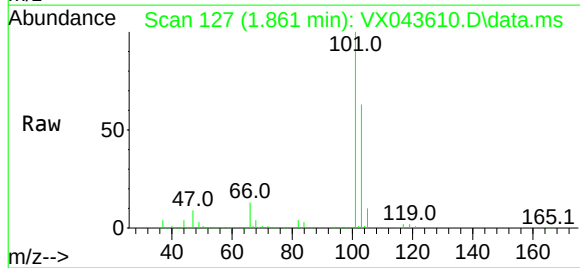
66 31.0 25.1 37.7





#7
Trichlorofluoromethane
Concen: 45.021 ug/l
RT: 1.861 min Scan# 128
Delta R.T. 0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

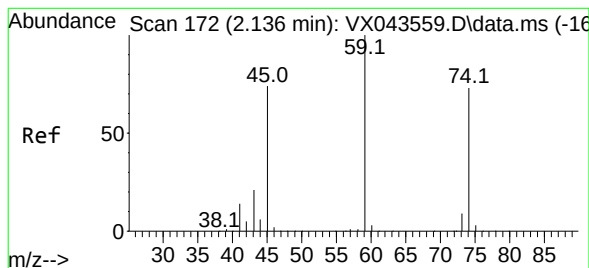
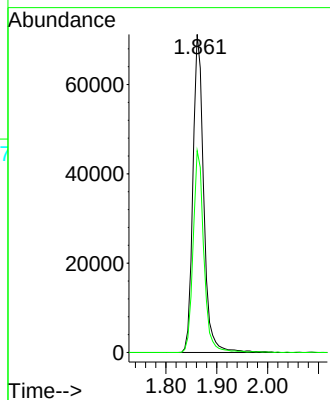
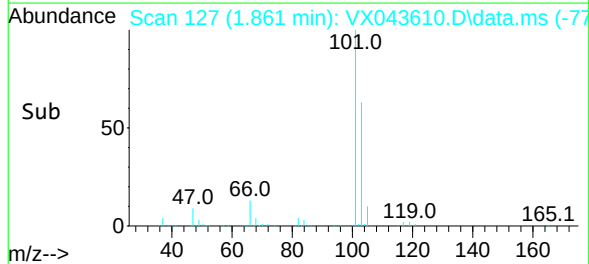
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 104723
Ion Ratio Lower Upper
101 100
103 63.5 51.3 76.9

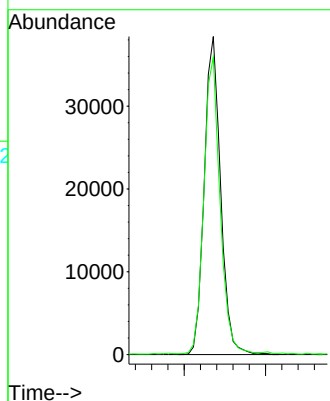
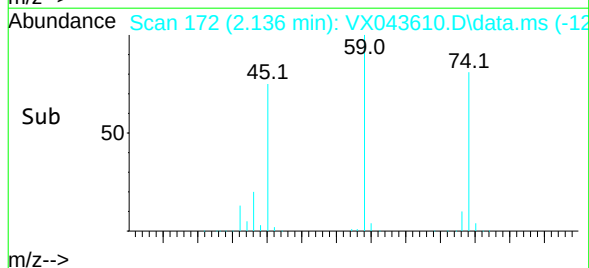
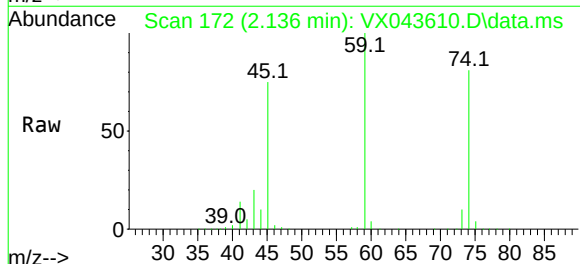
Manual Integrations
APPROVED

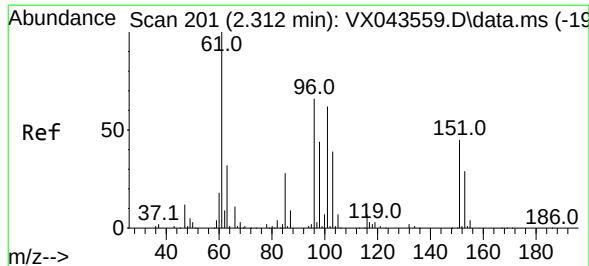
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#8
Diethyl Ether
Concen: 49.770 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

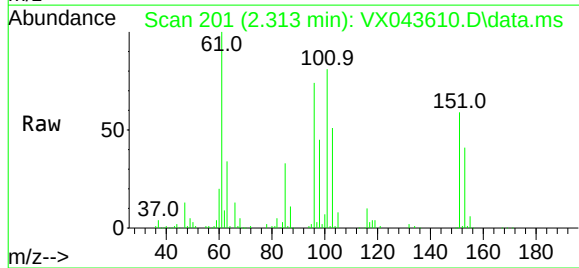
Tgt Ion: 74 Resp: 53489
Ion Ratio Lower Upper
74 100
45 91.9 47.5 142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.361 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

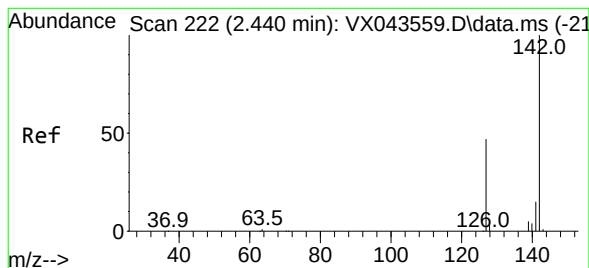
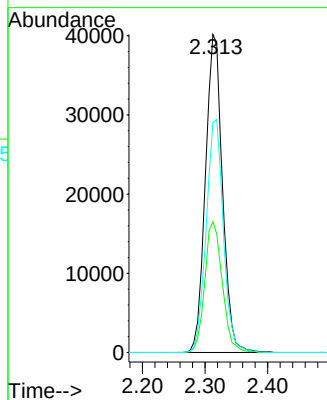
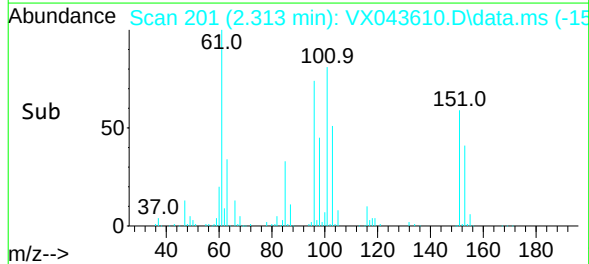
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 76076
Ion Ratio Lower Upper
101 100
85 42.2 34.5 51.7
151 74.1 58.2 87.2

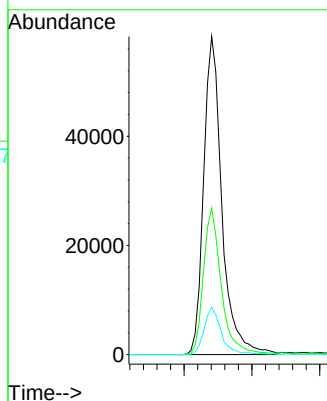
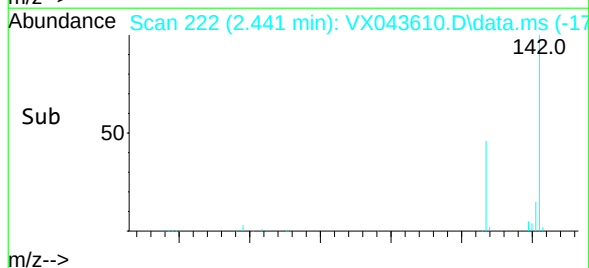
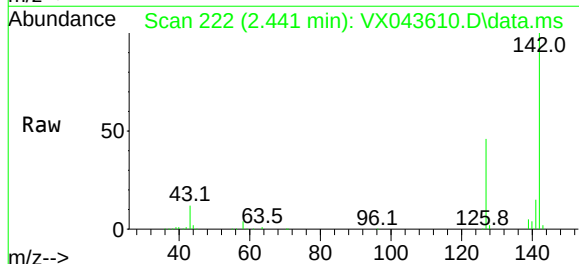
Manual Integrations
APPROVED

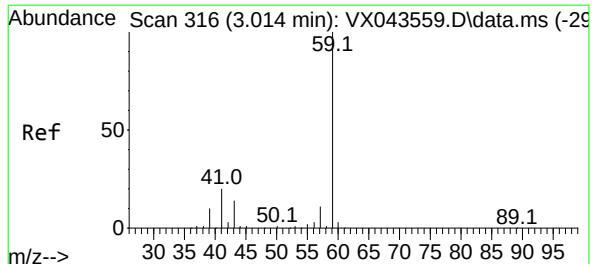
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#10
Methyl Iodide
Concen: 47.890 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:142 Resp: 108842
Ion Ratio Lower Upper
142 100
127 45.1 38.2 57.4
141 14.2 11.5 17.3





#11

Tert butyl alcohol

Concen: 242.814 ug/l

RT: 3.014 min Scan# 316

Delta R.T. -0.036 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 108451

Ion Ratio Lower Upper

59 100

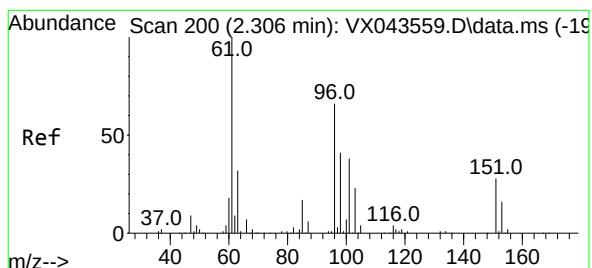
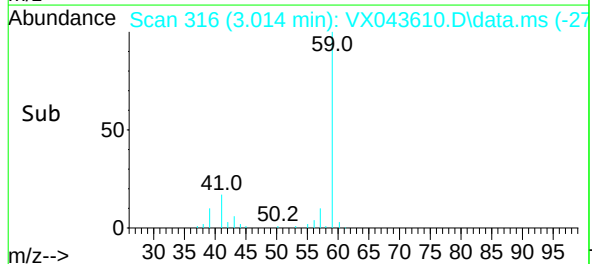
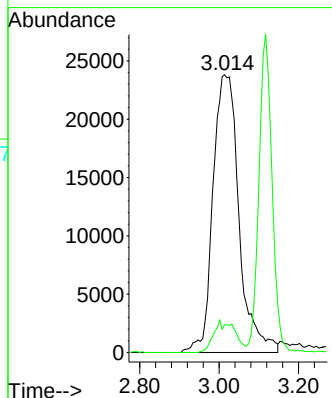
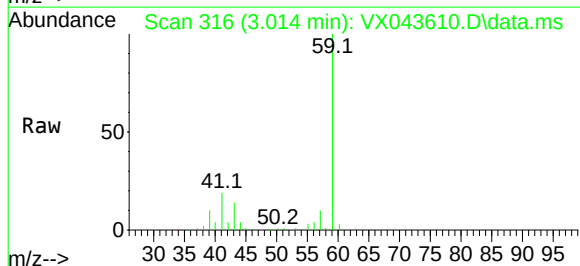
57 4.1 0.0 0.0#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#12

1,1-Dichloroethene

Concen: 46.775 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

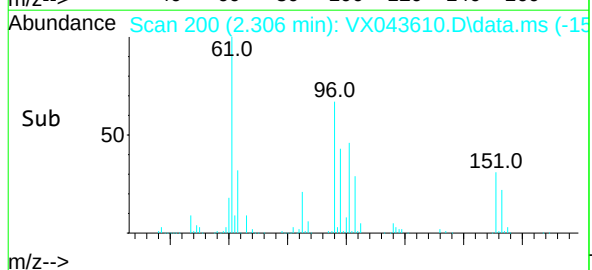
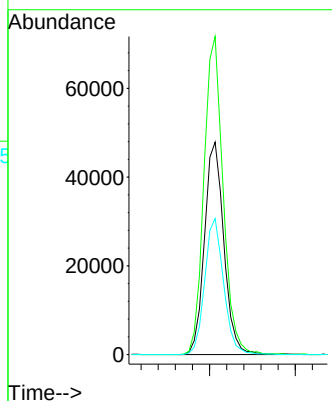
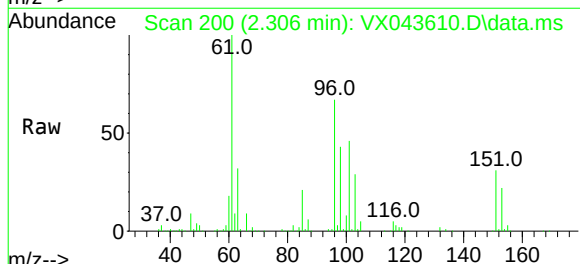
Tgt Ion: 96 Resp: 75194

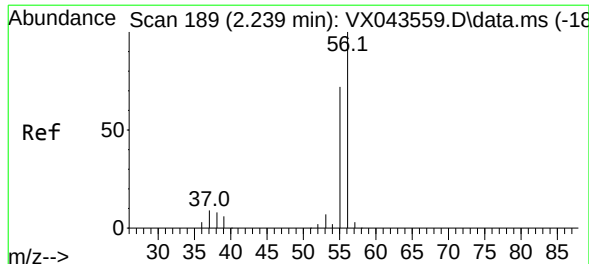
Ion Ratio Lower Upper

96 100

61 149.7 130.2 195.4

98 64.1 51.0 76.6





#13

Acrolein

Concen: 211.927 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 74024

Ion Ratio Lower Upper

56 100

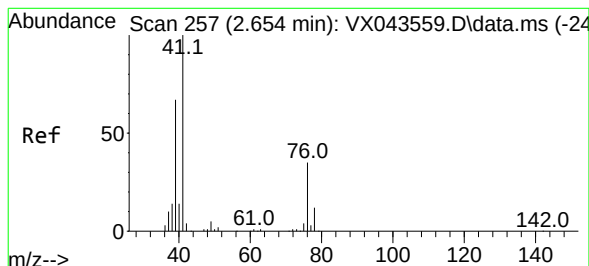
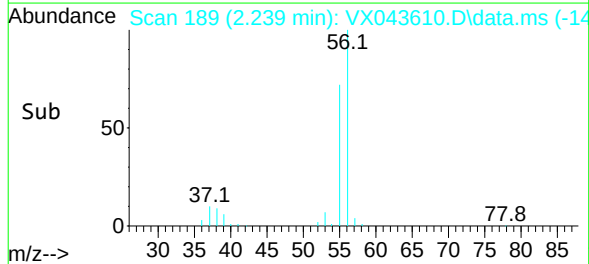
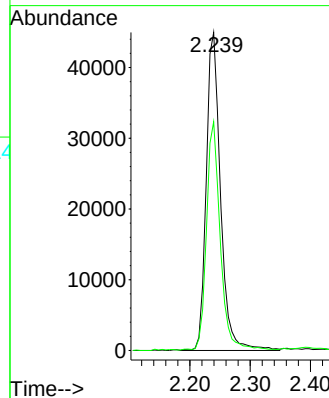
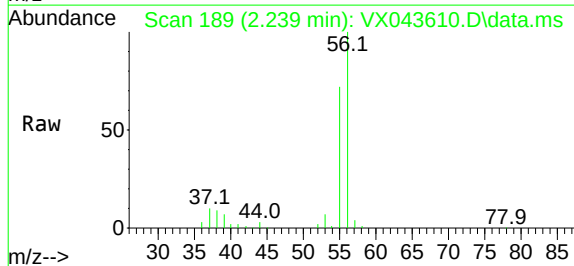
55 68.7 55.3 82.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#14

Allyl chloride

Concen: 47.217 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

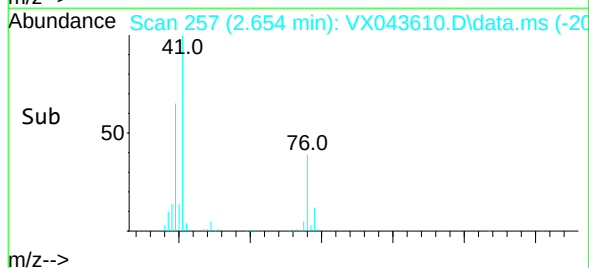
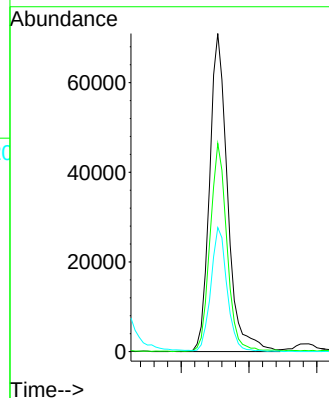
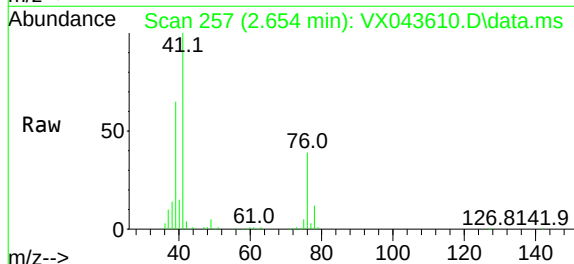
Tgt Ion: 41 Resp: 131287

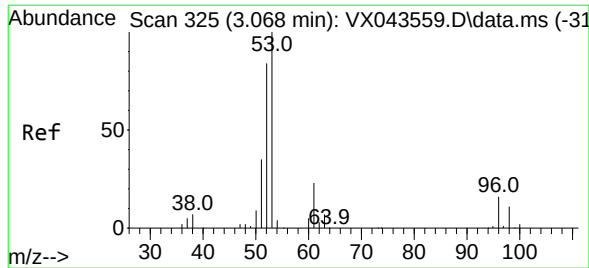
Ion Ratio Lower Upper

41 100

39 61.3 53.2 79.8

76 35.2 27.0 40.6





#15

Acrylonitrile

Concen: 250.451 ug/l

RT: 3.068 min Scan# 32

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

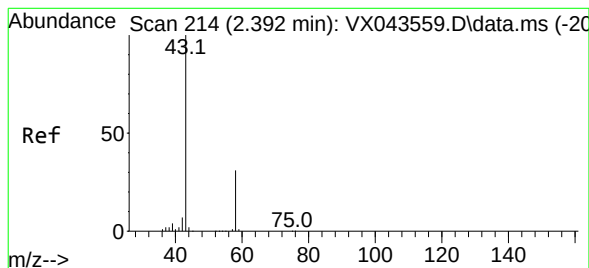
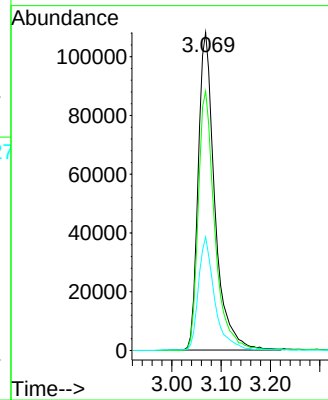
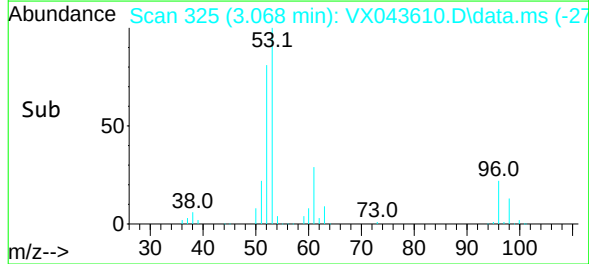
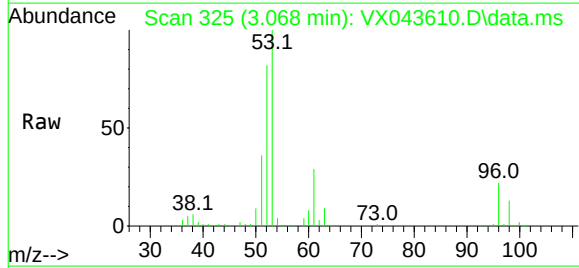
VSTDCCC050

Tgt Ion:	53	Resp:	252559
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.8	98.6
51	34.3	28.5	42.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#16

Acetone

Concen: 270.728 ug/l

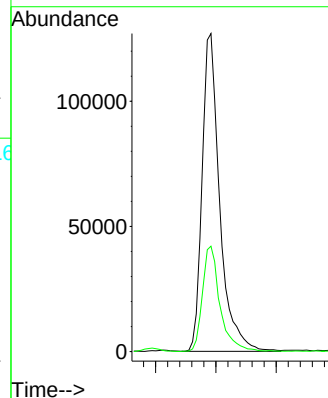
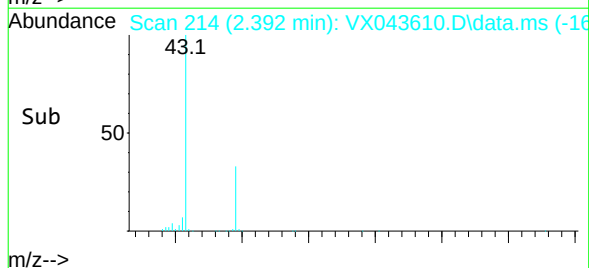
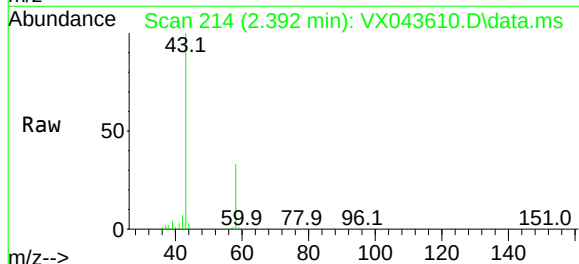
RT: 2.392 min Scan# 214

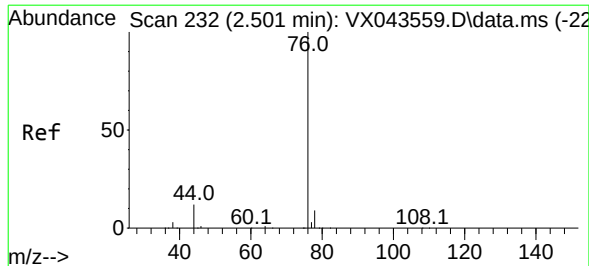
Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Tgt Ion:	43	Resp:	257260
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.1	37.7





#17

Carbon Disulfide

Concen: 42.711 ug/l

RT: 2.495 min Scan# 231

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 143574

Ion Ratio Lower Upper

76 100

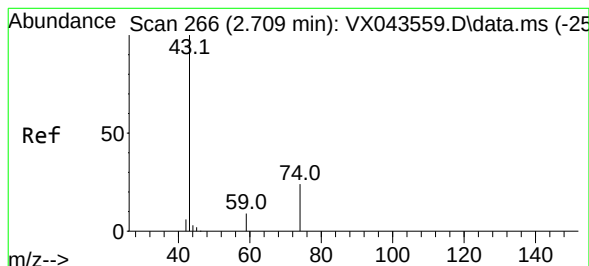
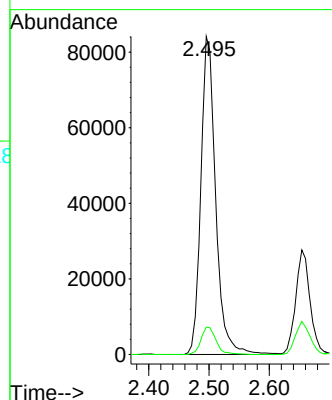
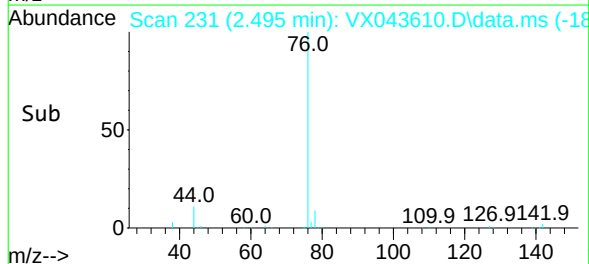
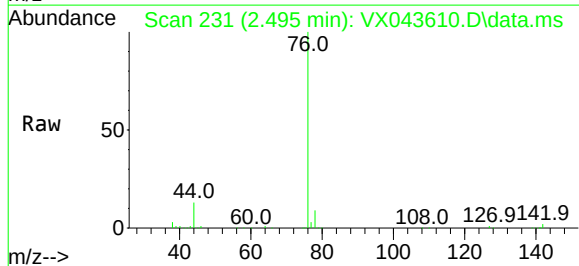
78 8.6 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#18

Methyl Acetate

Concen: 47.636 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.006 min

Lab File: VX043610.D

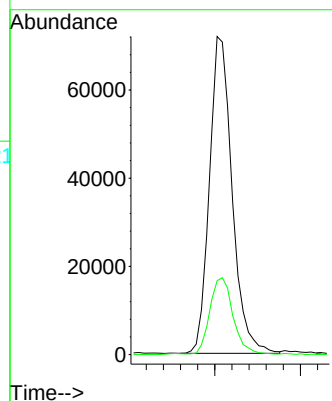
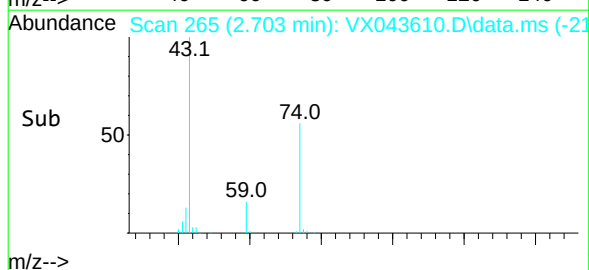
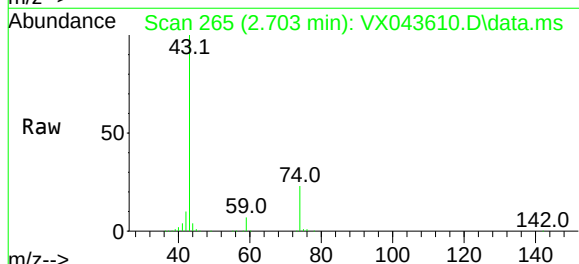
Acq: 30 Oct 2024 09:26

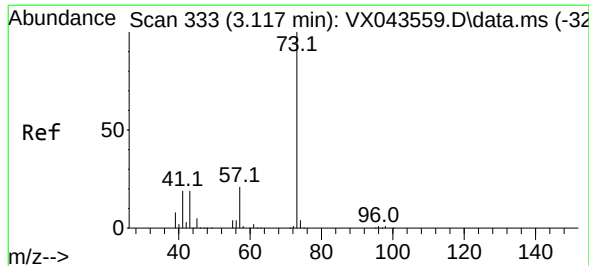
Tgt Ion: 43 Resp: 132295

Ion Ratio Lower Upper

43 100

74 24.4 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 48.412 ug/l

RT: 3.117 min Scan# 333

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 295972

Ion Ratio Lower Upper

73 100

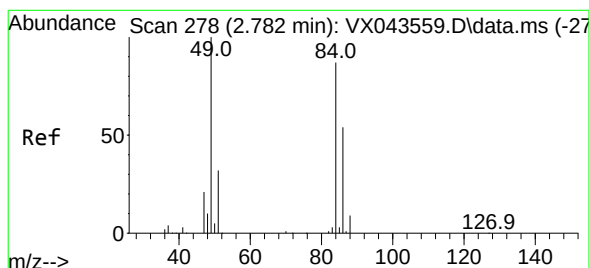
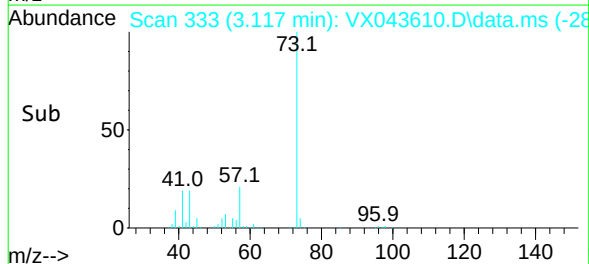
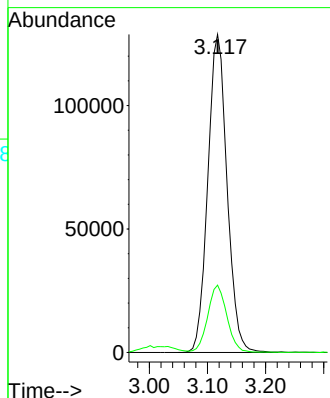
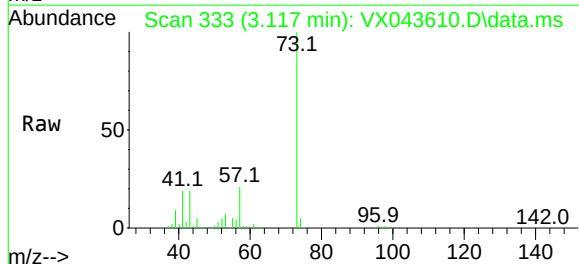
57 21.1 17.7 26.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#20

Methylene Chloride

Concen: 46.641 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Tgt Ion: 84 Resp: 95520

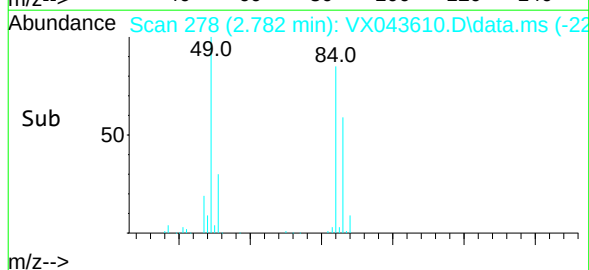
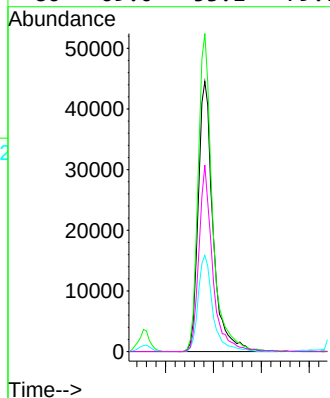
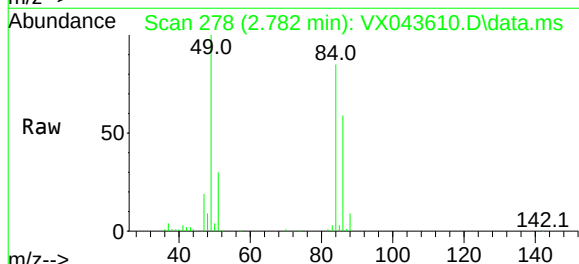
Ion Ratio Lower Upper

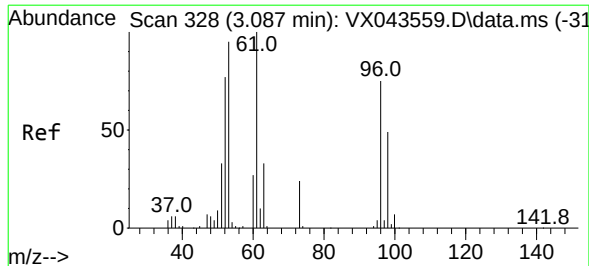
84 100

49 117.7 97.0 145.6

51 35.6 29.8 44.8

86 69.0 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 47.169 ug/l

RT: 3.081 min Scan# 32

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 80110

Ion Ratio Lower Upper

96 100

61 126.4 107.1 160.7

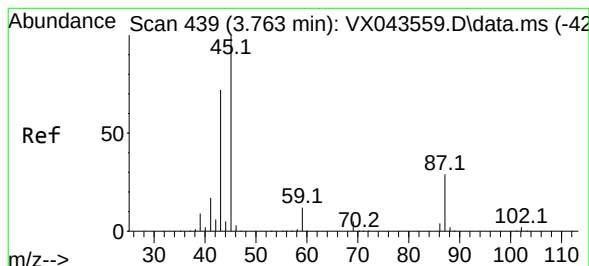
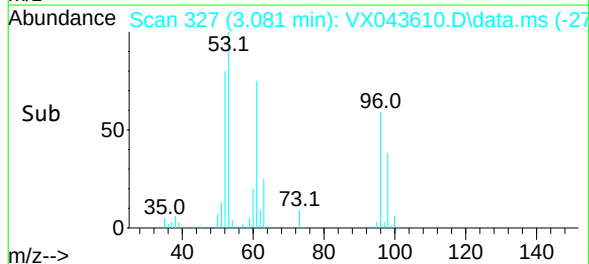
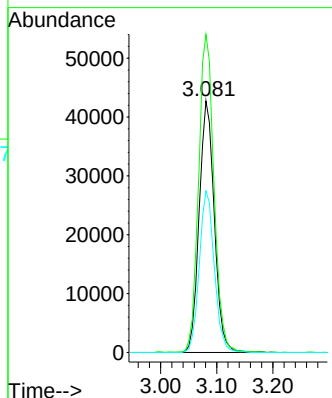
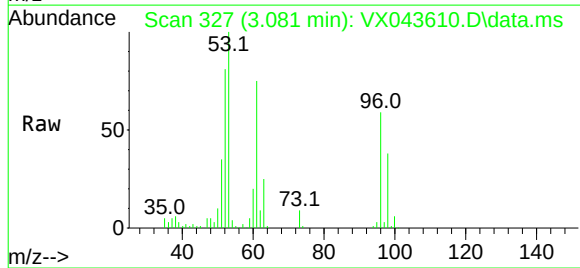
98 64.2 47.7 71.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#22

Diisopropyl ether

Concen: 47.745 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Tgt Ion: 45 Resp: 274400

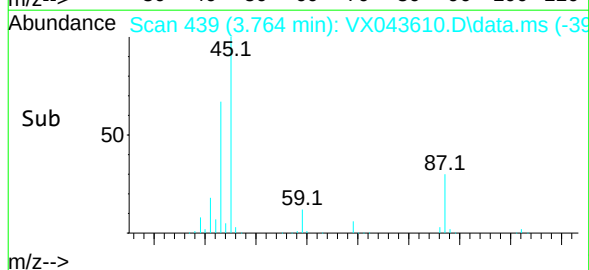
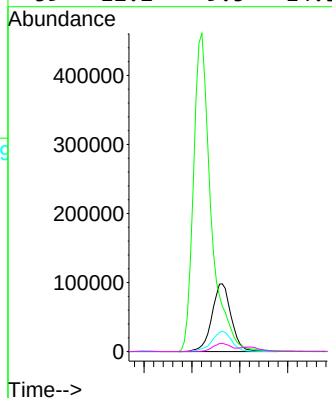
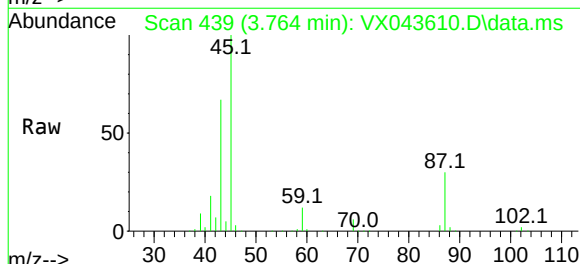
Ion Ratio Lower Upper

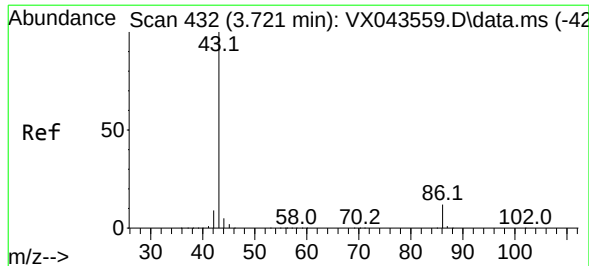
45 100

43 66.6 60.6 90.8

87 30.2 22.0 33.0

59 12.2 9.5 14.3





#23

Vinyl Acetate

Concen: 248.394 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1179393

Ion Ratio Lower Upper

43 100

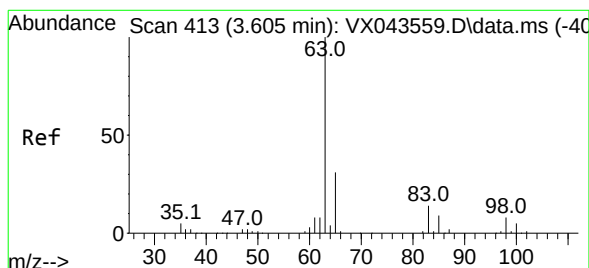
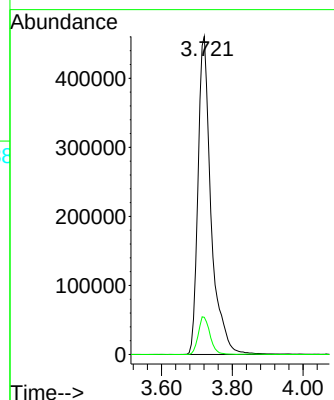
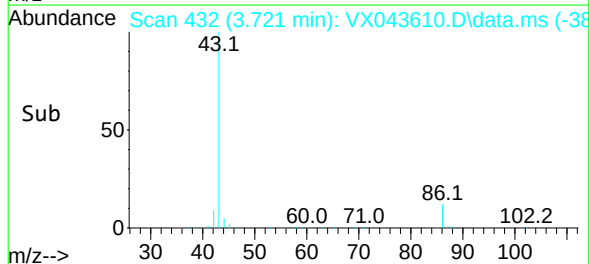
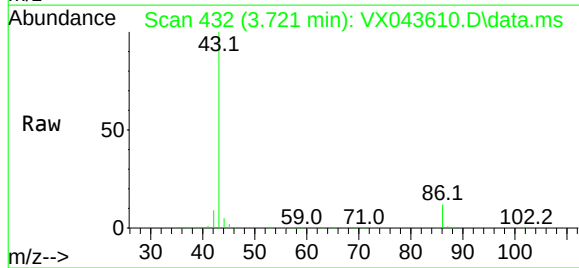
86 11.7 9.0 13.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#24

1,1-Dichloroethane

Concen: 46.726 ug/l

RT: 3.599 min Scan# 412

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

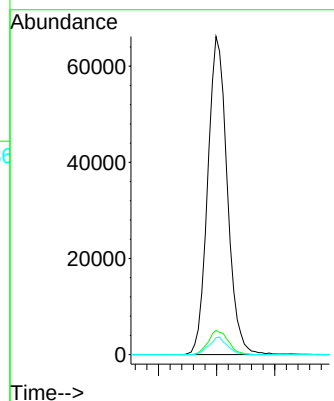
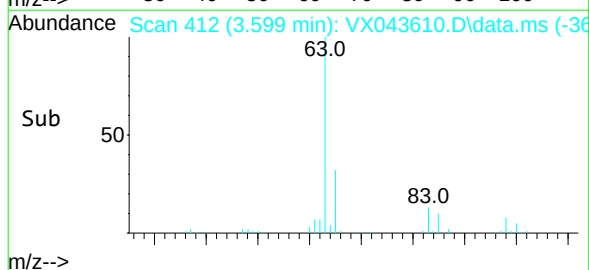
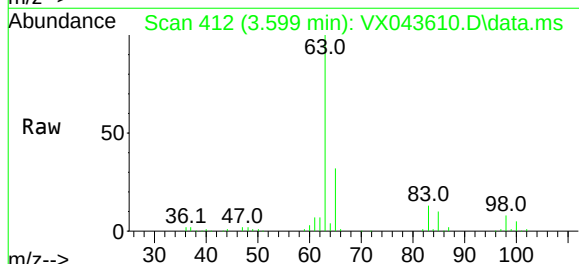
Tgt Ion: 63 Resp: 154349

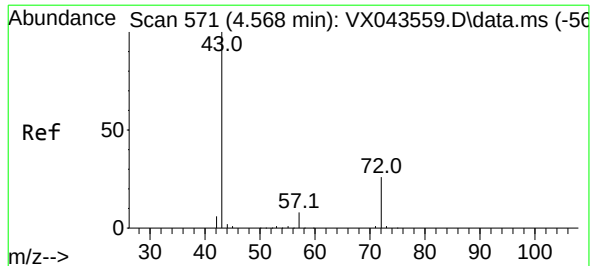
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

100 5.3 2.4 7.2





#25

2-Butanone

Concen: 253.209 ug/l

RT: 4.562 min Scan# 571

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 350984

Ion Ratio Lower Upper

43 100

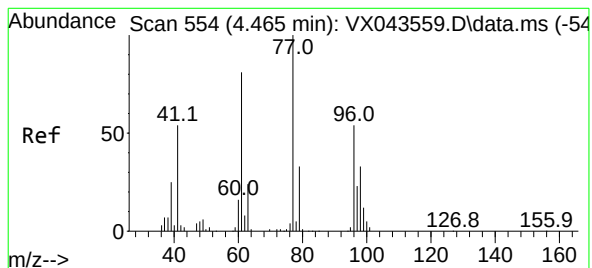
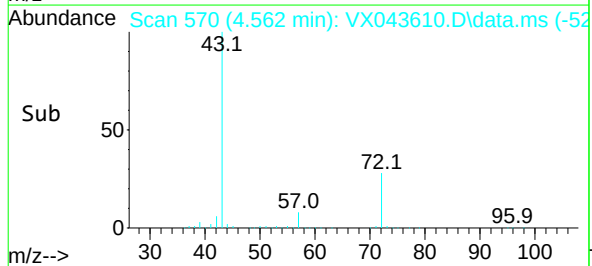
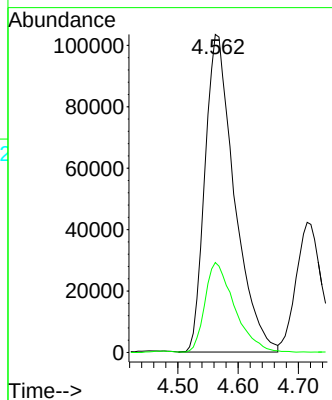
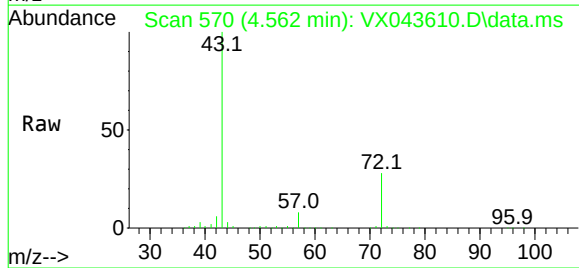
72 28.2 21.1 31.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#26

2,2-Dichloropropane

Concen: 47.410 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX043610.D

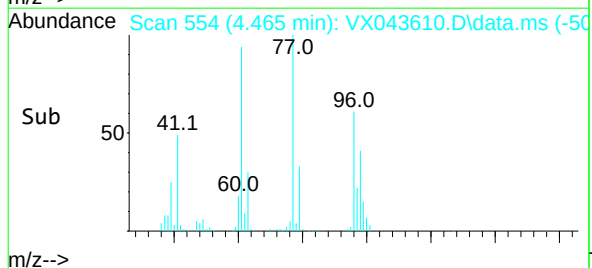
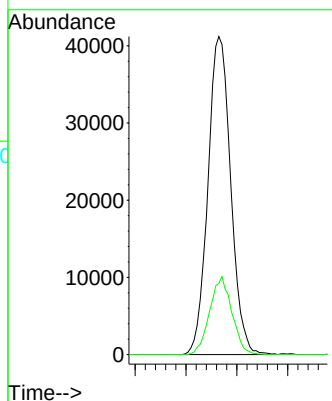
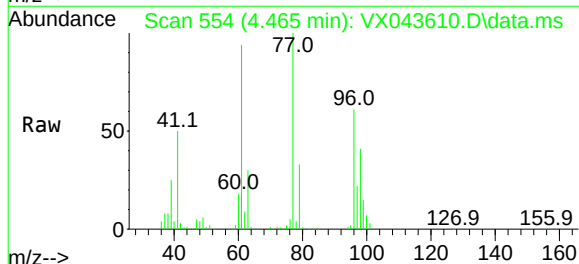
Acq: 30 Oct 2024 09:26

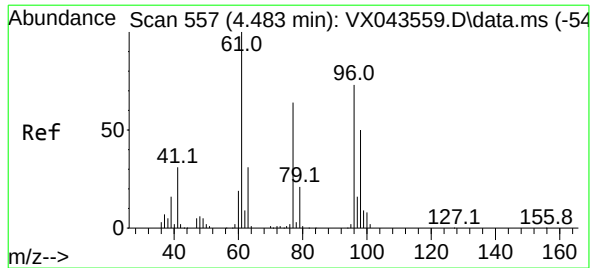
Tgt Ion: 77 Resp: 128192

Ion Ratio Lower Upper

77 100

97 23.8 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 49.522 ug/l

RT: 4.483 min Scan# 55

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 107437

Ion Ratio Lower Upper

96 100

61 131.5 0.0 277.2

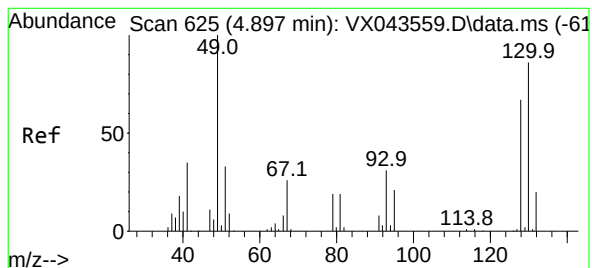
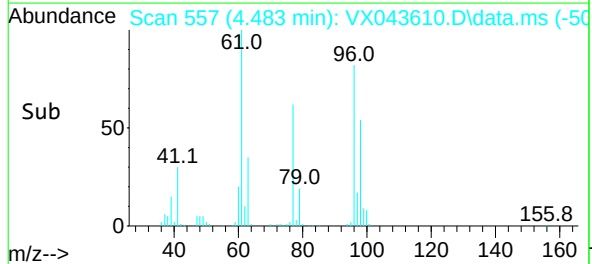
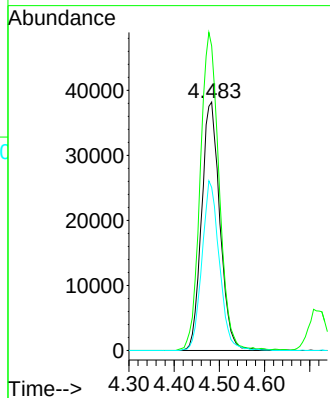
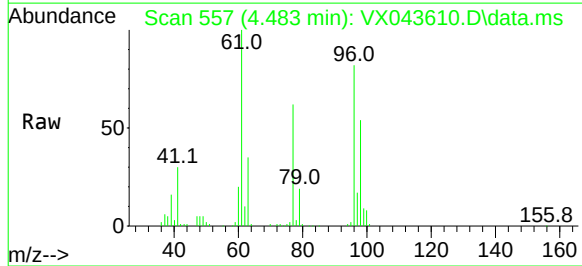
98 64.8 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#28

Bromochloromethane

Concen: 50.892 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

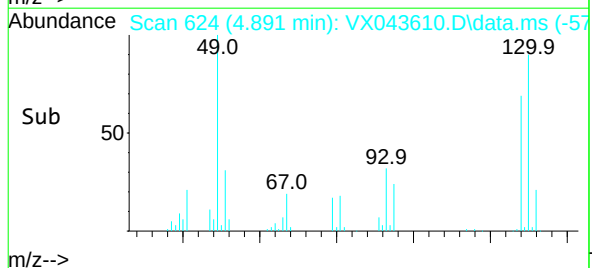
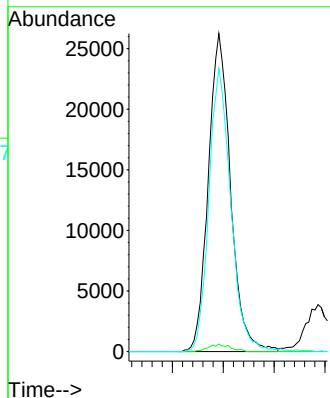
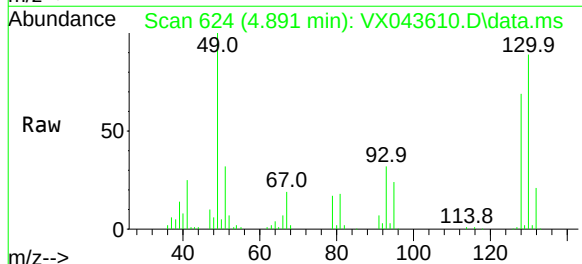
Tgt Ion: 49 Resp: 79972

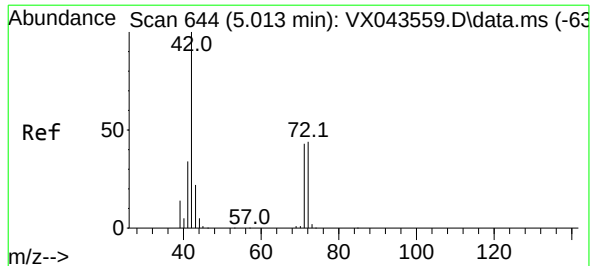
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 87.6 67.8 101.8





#29

Tetrahydrofuran

Concen: 240.326 ug/l

RT: 5.007 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 216487

Ion Ratio Lower Upper

42 100

72 48.1 36.6 55.0

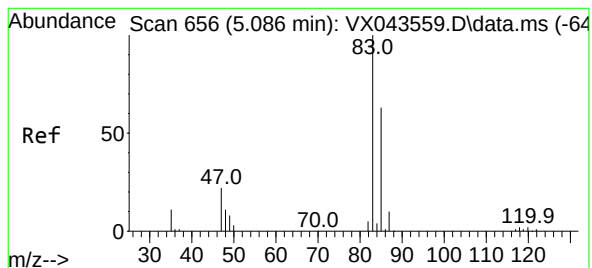
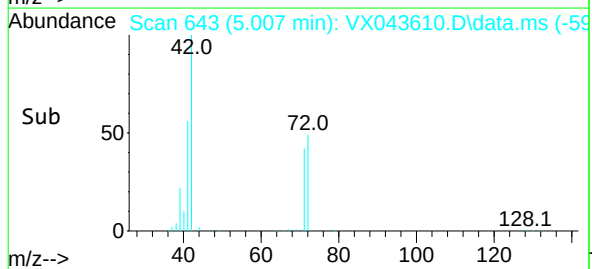
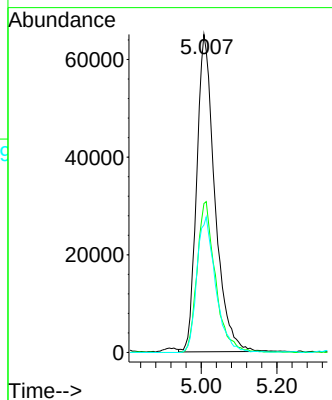
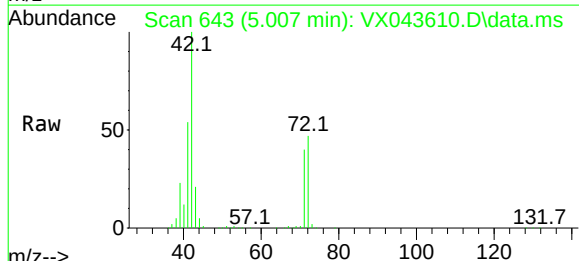
71 44.2 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#30

Chloroform

Concen: 47.828 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX043610.D

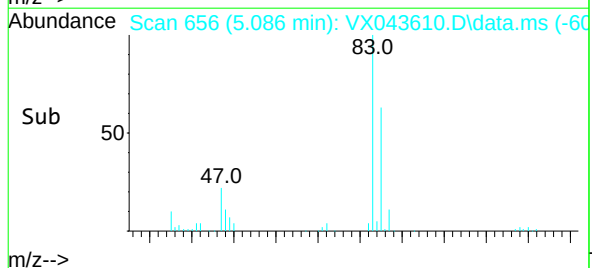
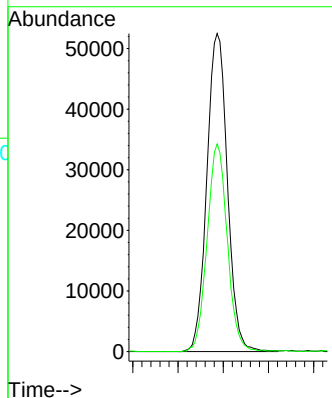
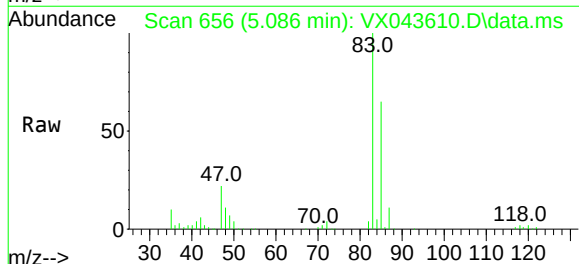
Acq: 30 Oct 2024 09:26

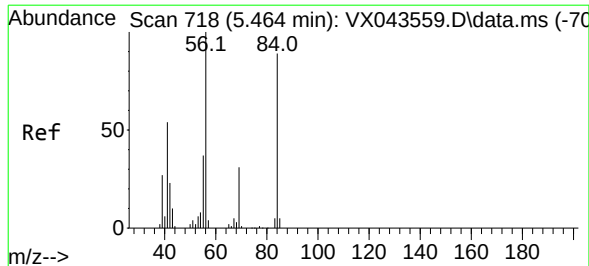
Tgt Ion: 83 Resp: 165613

Ion Ratio Lower Upper

83 100

85 65.3 52.2 78.4





#31

Cyclohexane

Concen: 45.259 ug/l

RT: 5.458 min Scan# 71

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 114348

Ion Ratio Lower Upper

56 100

69 32.1 24.9 37.3

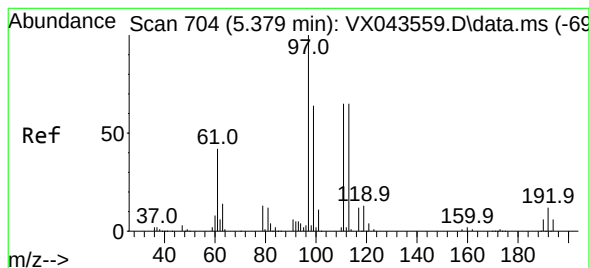
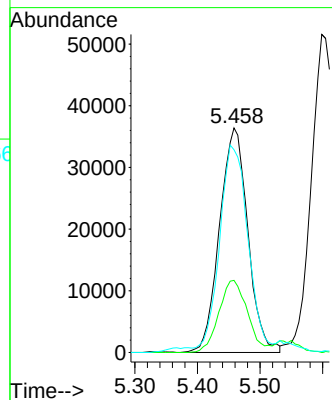
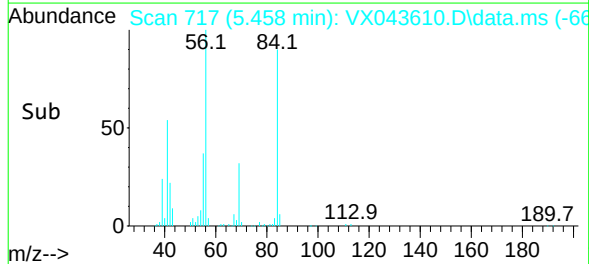
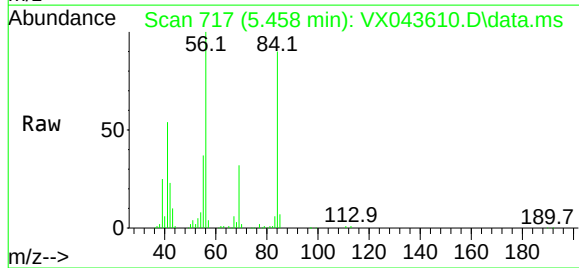
84 88.5 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#32

1,1,1-Trichloroethane

Concen: 45.714 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

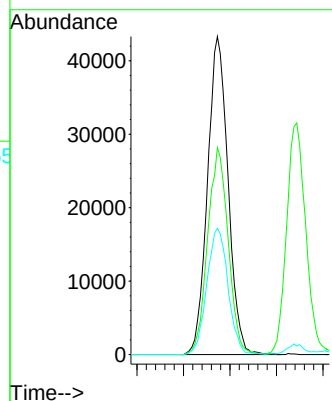
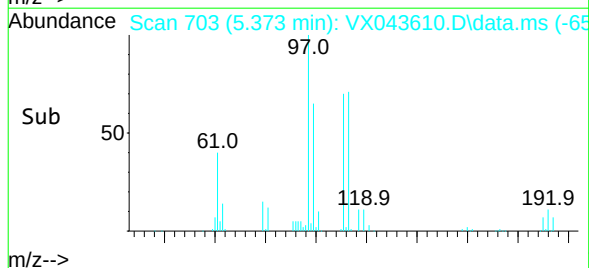
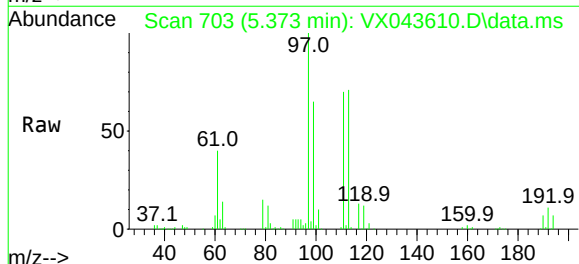
Tgt Ion: 97 Resp: 132895

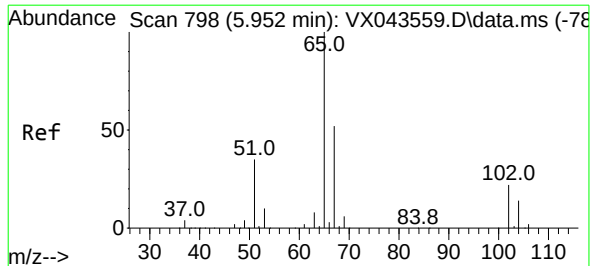
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

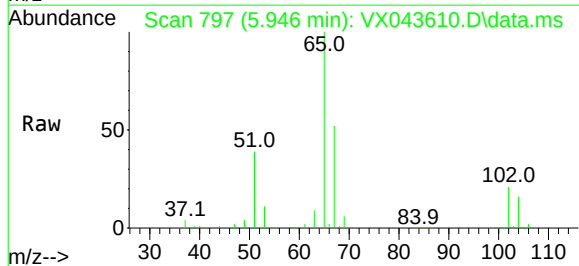
61 41.0 34.0 51.0





#33
1,2-Dichloroethane-d4
Concen: 46.889 ug/l
RT: 5.946 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

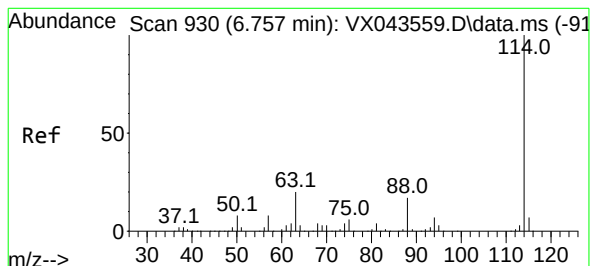
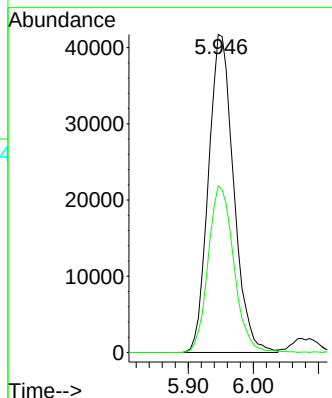
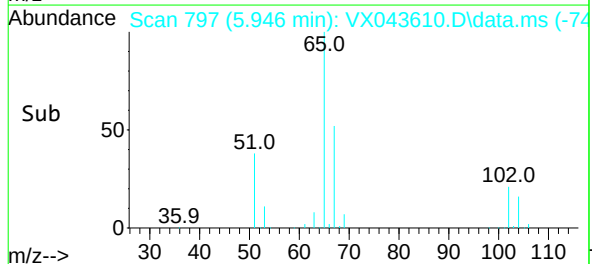
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 65 Resp: 112202
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.4

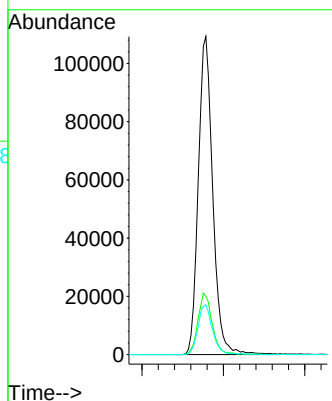
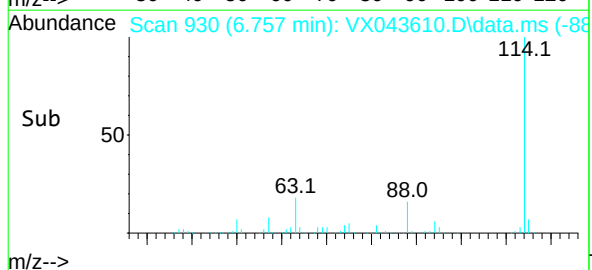
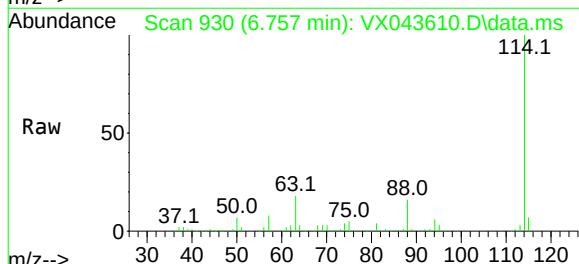
Manual Integrations
APPROVED

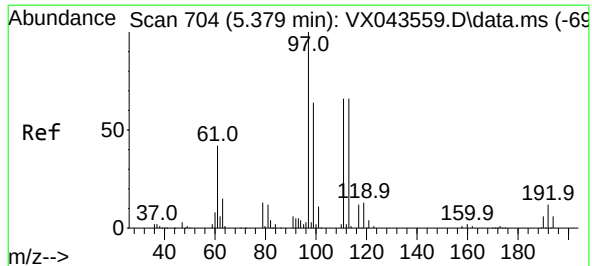
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

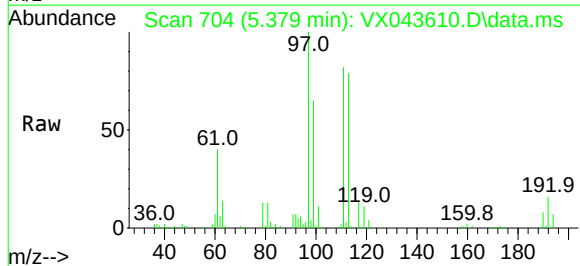
Tgt Ion:114 Resp: 269353
Ion Ratio Lower Upper
114 100
63 18.3 0.0 41.2
88 15.7 0.0 34.0





#35
Dibromofluoromethane
Concen: 51.966 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

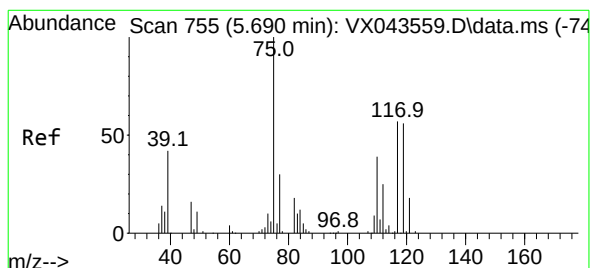
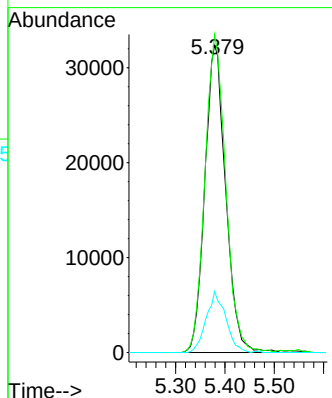
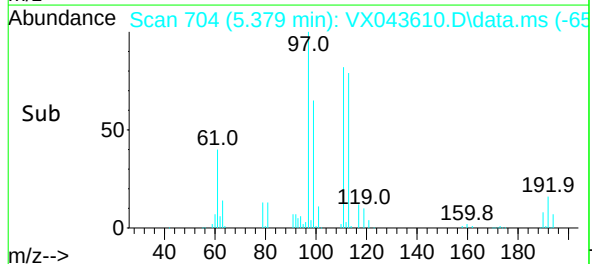
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 113 Resp: 94915
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 18.6 14.1 21.1

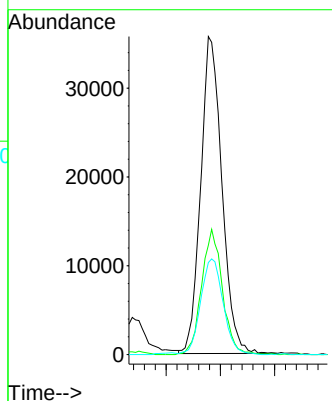
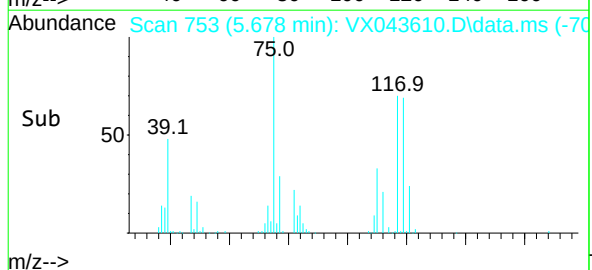
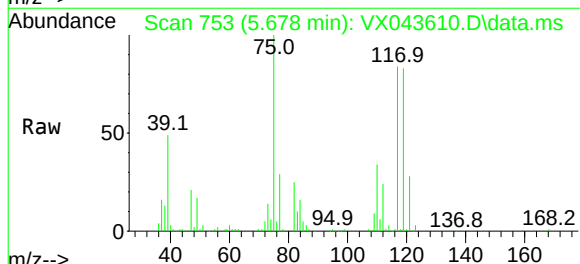
Manual Integrations
APPROVED

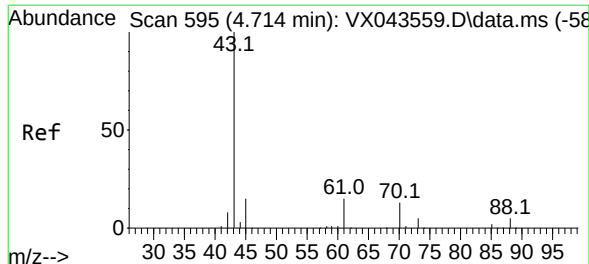
Reviewed By : Semsettin Yesilyurt 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#36
1,1-Dichloropropene
Concen: 44.823 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 75 Resp: 97077
Ion Ratio Lower Upper
75 100
110 38.7 17.9 53.7
77 32.0 25.0 37.4





#37

Ethyl Acetate

Concen: 49.788 ug/l

RT: 4.715 min Scan# 59

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 130909

Ion Ratio Lower Upper

43 100

61 14.8 11.0 16.6

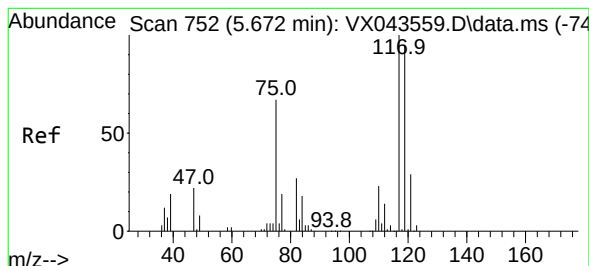
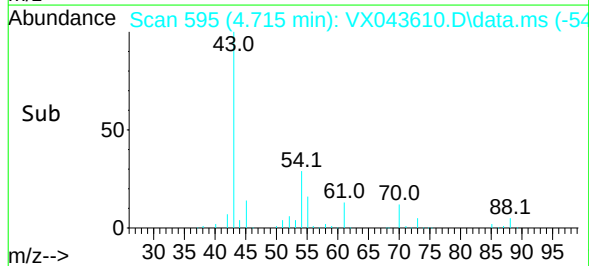
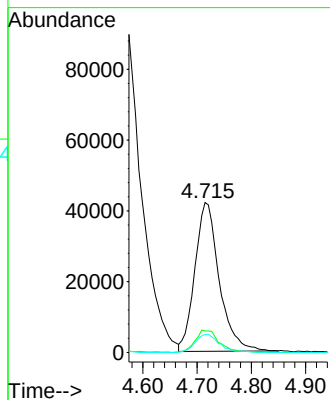
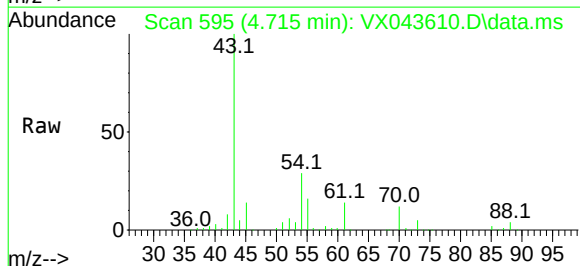
70 12.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#38

Carbon Tetrachloride

Concen: 45.579 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

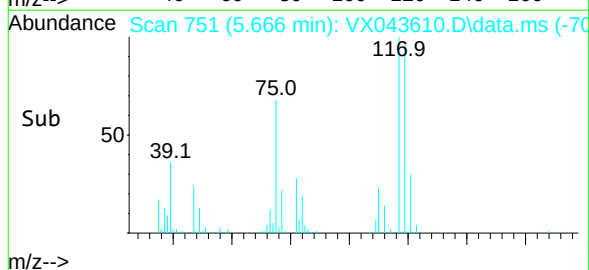
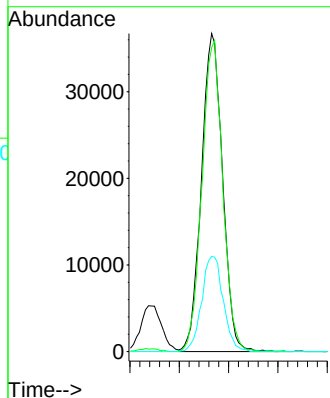
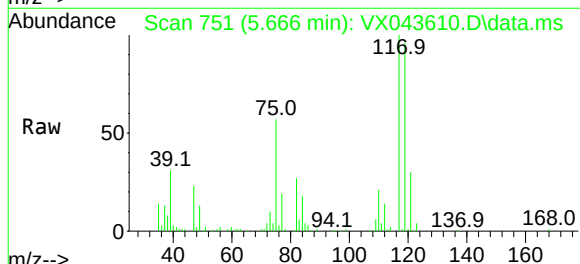
Tgt Ion:117 Resp: 109072

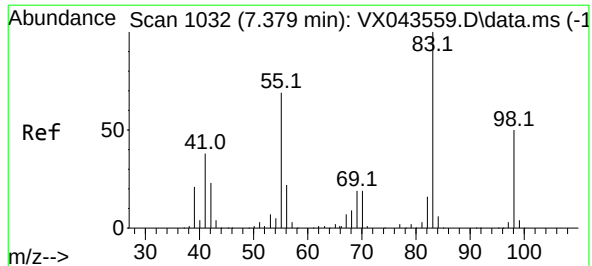
Ion Ratio Lower Upper

117 100

119 95.4 77.0 115.6

121 29.9 24.7 37.1





#39

Methylcyclohexane

Concen: 48.163 ug/l

RT: 7.373 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 129506

Ion Ratio Lower Upper

83 100

55 74.2 59.9 89.9

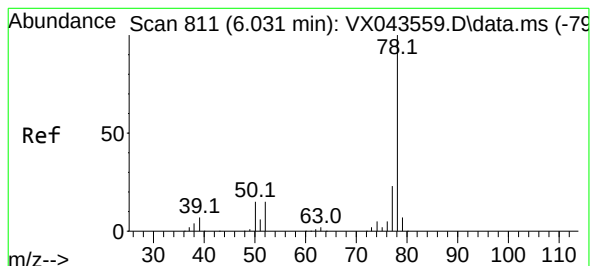
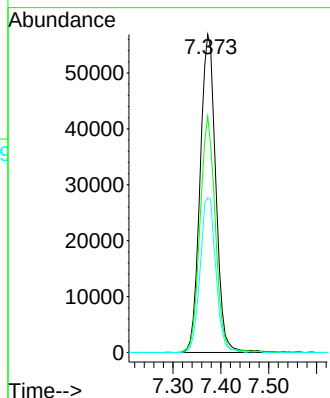
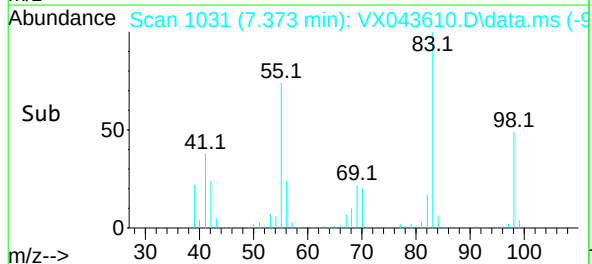
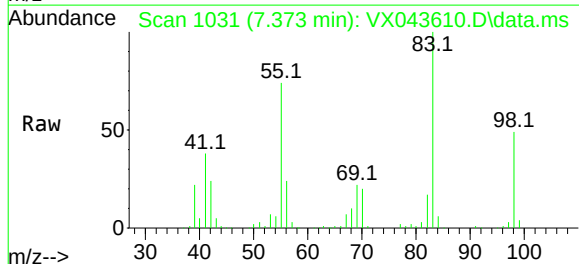
98 48.6 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#40

Benzene

Concen: 47.728 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043610.D

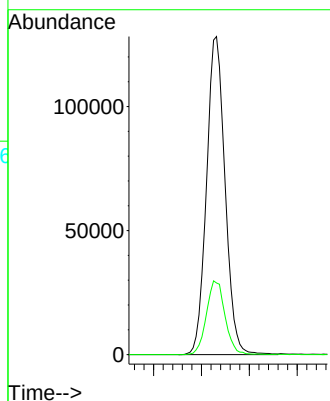
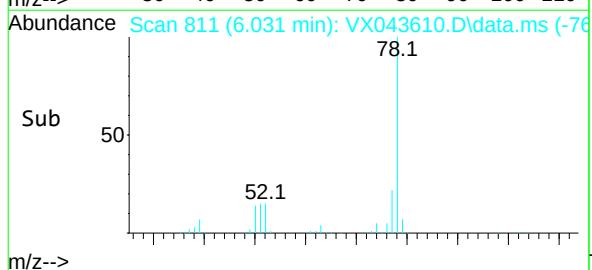
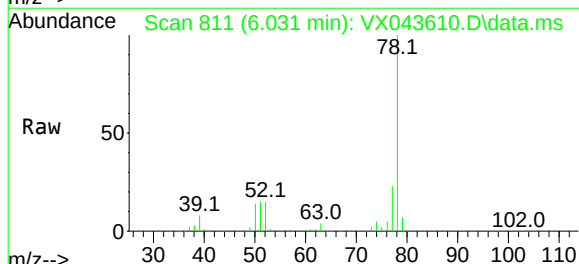
Acq: 30 Oct 2024 09:26

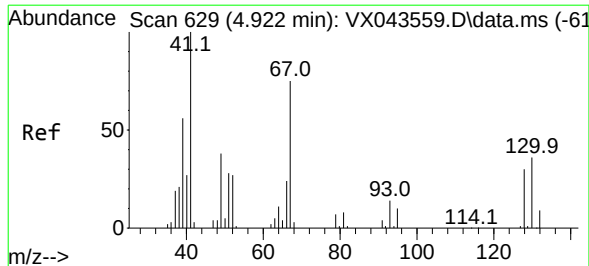
Tgt Ion: 78 Resp: 344839

Ion Ratio Lower Upper

78 100

77 22.5 18.4 27.6





#41

Methacrylonitrile

Concen: 50.543 ug/l

RT: 4.928 min Scan# 63

Delta R.T. 0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 69757

Ion Ratio Lower Upper

41 100

39 52.7 43.5 65.3

67 79.9 58.3 87.5

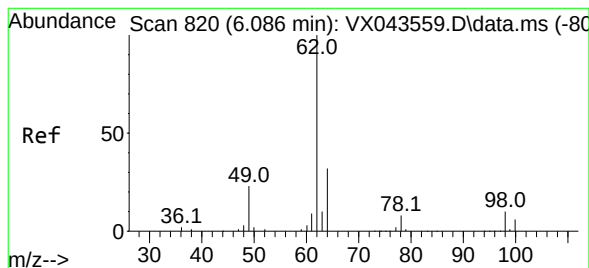
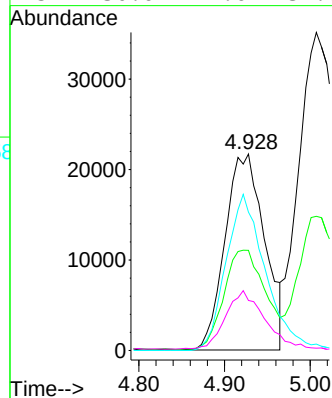
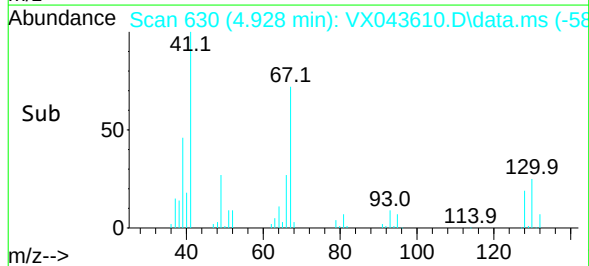
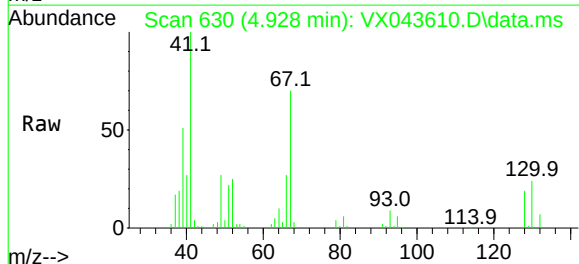
52 30.6 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#42

1,2-Dichloroethane

Concen: 46.758 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.006 min

Lab File: VX043610.D

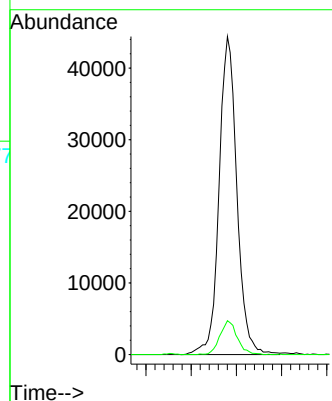
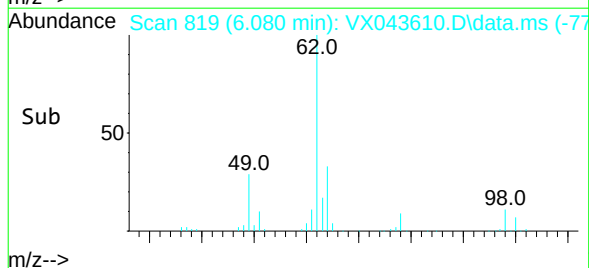
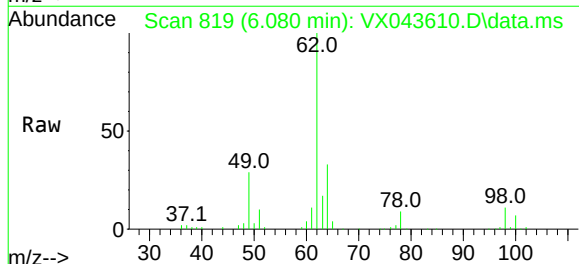
Acq: 30 Oct 2024 09:26

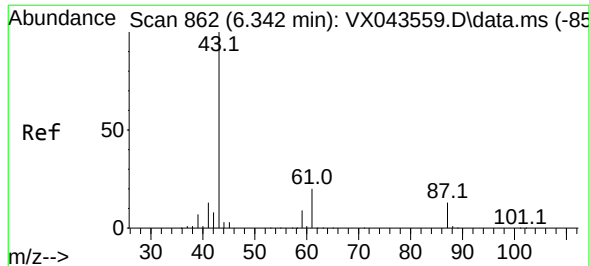
Tgt Ion: 62 Resp: 121452

Ion Ratio Lower Upper

62 100

98 10.4 0.0 18.8





#43

Isopropyl Acetate

Concen: 48.146 ug/l

RT: 6.342 min Scan# 86

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 209353

Ion Ratio Lower Upper

43 100

61 21.0 16.2 24.4

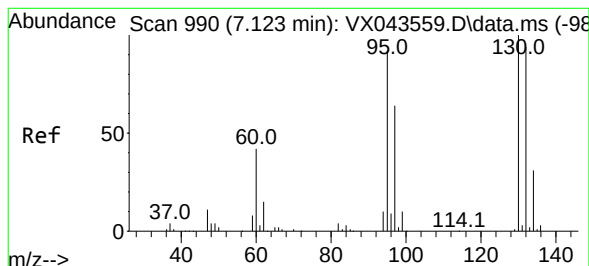
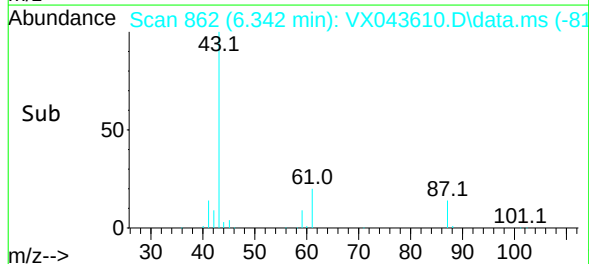
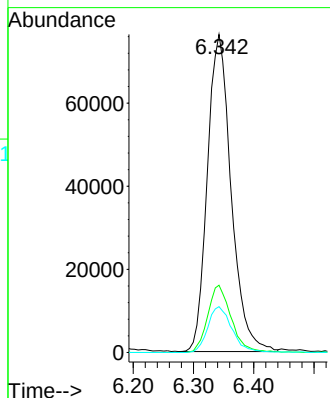
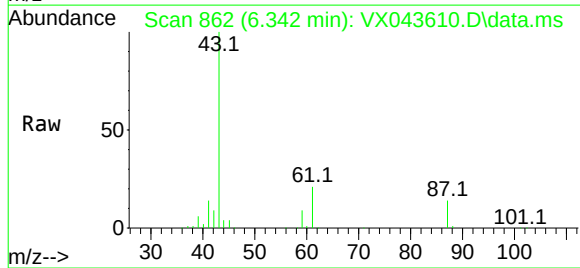
87 14.8 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#44

Trichloroethene

Concen: 48.479 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX043610.D

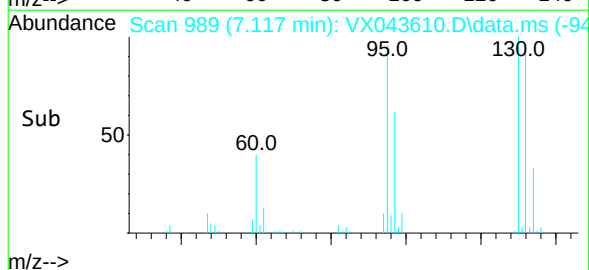
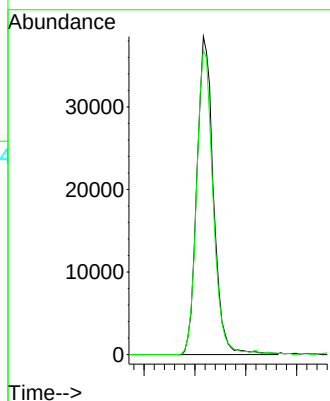
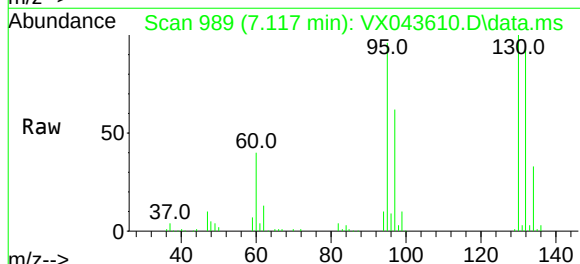
Acq: 30 Oct 2024 09:26

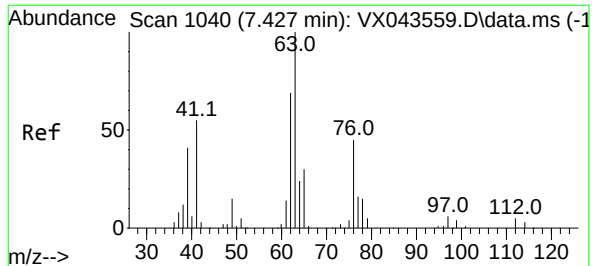
Tgt Ion:130 Resp: 87016

Ion Ratio Lower Upper

130 100

95 95.7 0.0 202.6





#45

1,2-Dichloropropane

Concen: 48.156 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 85671

Ion Ratio Lower Upper

63 100

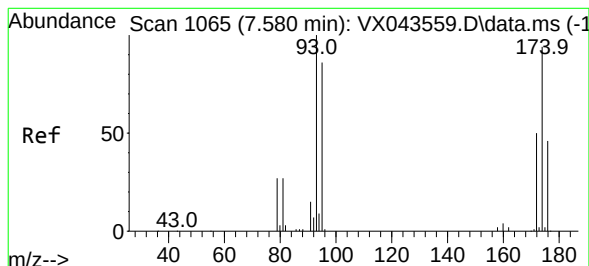
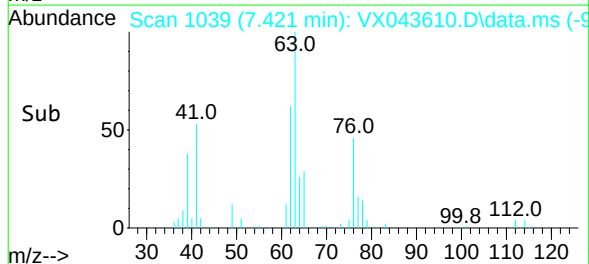
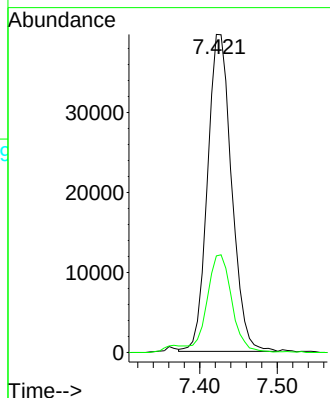
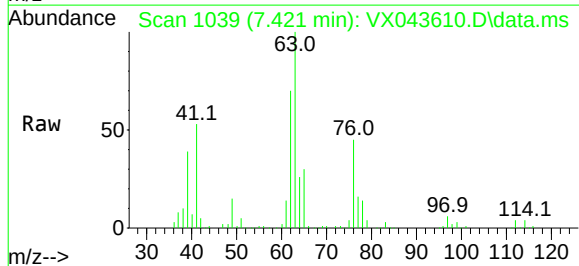
65 30.2 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#46

Dibromomethane

Concen: 48.673 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

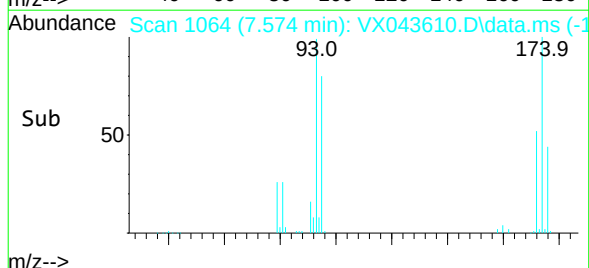
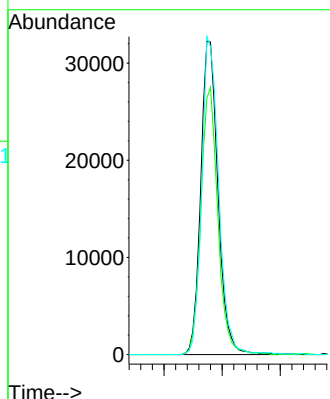
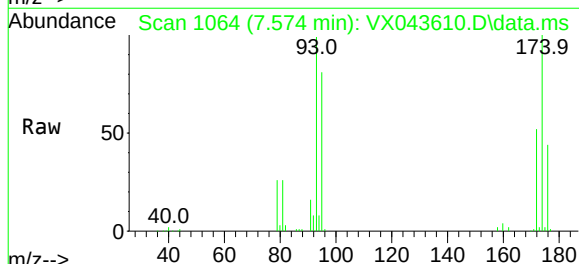
Tgt Ion: 93 Resp: 66672

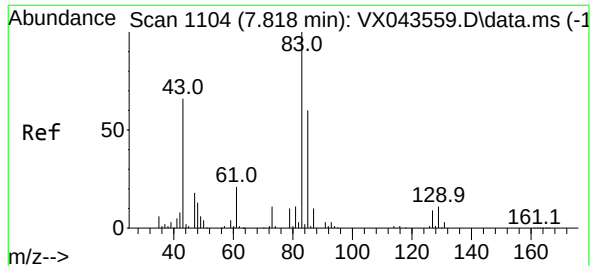
Ion Ratio Lower Upper

93 100

95 83.3 66.4 99.6

174 99.9 75.0 112.4





#47

Bromodichloromethane

Concen: 51.242 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

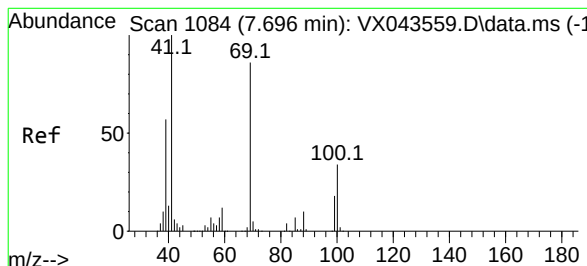
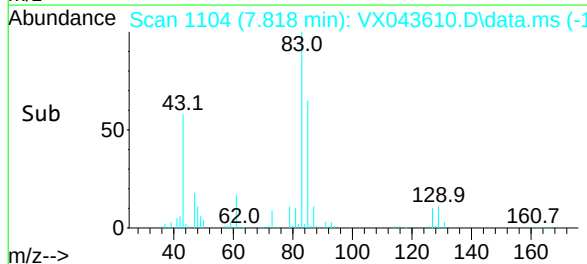
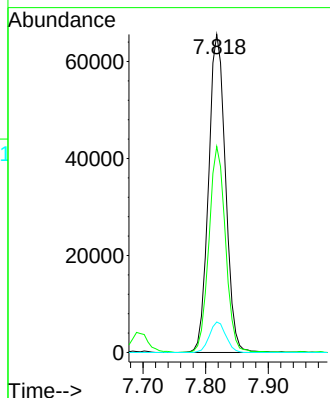
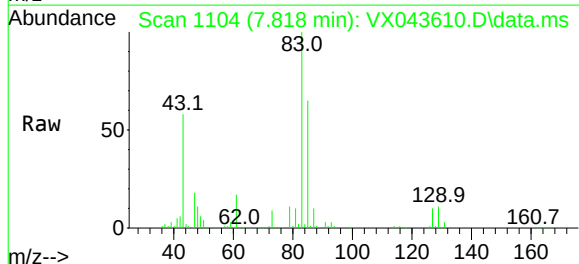
VSTDCCC050

Tgt Ion:	83	Resp:	123136
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4
127	9.6	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#48

Methyl methacrylate

Concen: 49.127 ug/l

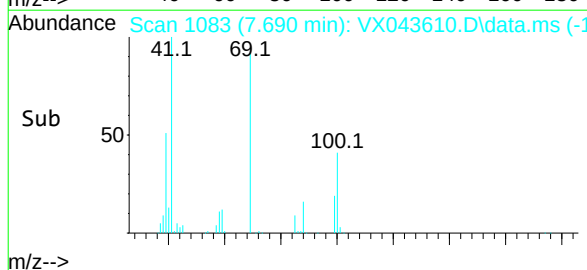
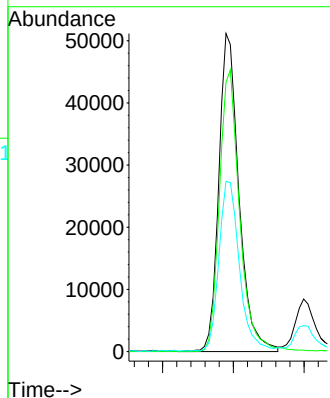
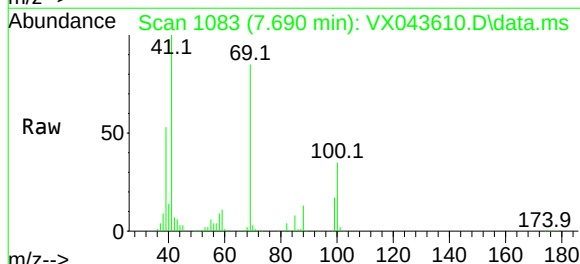
RT: 7.690 min Scan# 1083

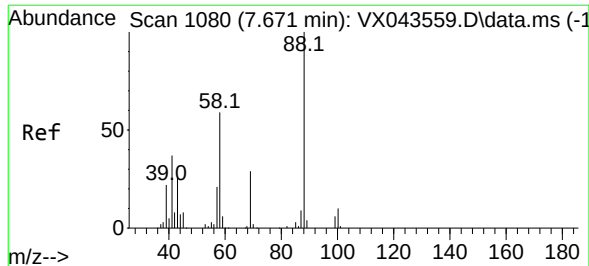
Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Tgt Ion:	41	Resp:	101279
Ion	Ratio	Lower	Upper
41	100		
69	89.0	67.7	101.5
39	53.7	46.3	69.5





#49

1,4-Dioxane

Concen: 828.559 ug/l

RT: 7.665 min Scan# 1080

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 35094

Ion Ratio Lower Upper

88 100

43 36.0 25.3 37.9

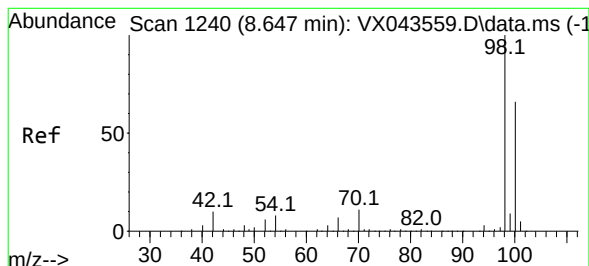
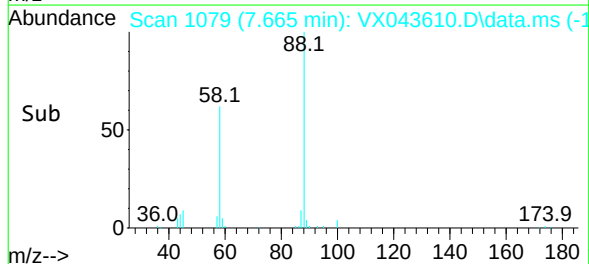
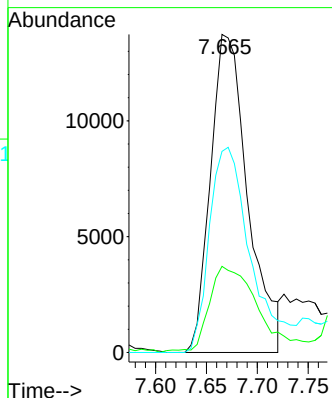
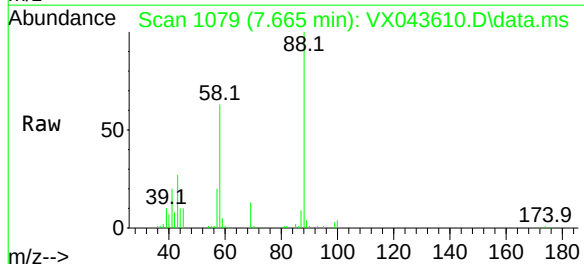
58 72.1 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#50

Toluene-d8

Concen: 51.692 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043610.D

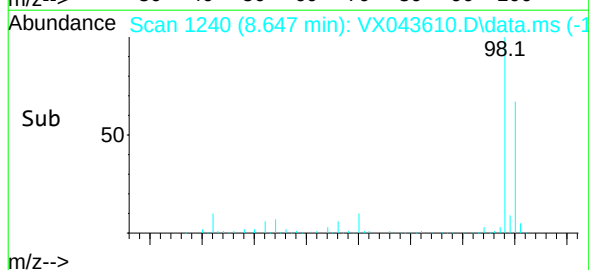
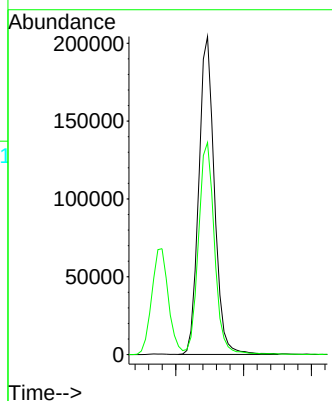
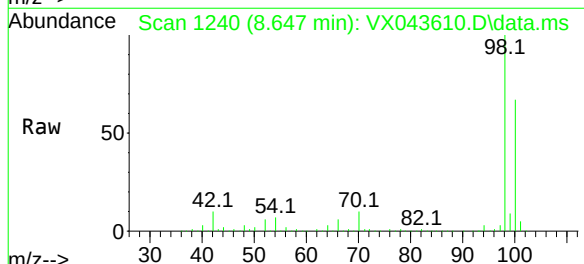
Acq: 30 Oct 2024 09:26

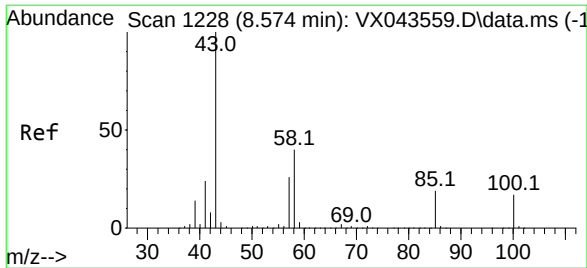
Tgt Ion: 98 Resp: 326824

Ion Ratio Lower Upper

98 100

100 68.4 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 248.002 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 657274

Ion Ratio Lower Upper

43 100

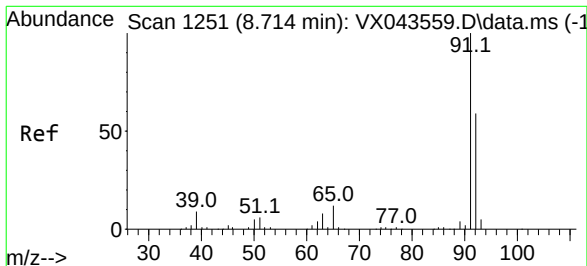
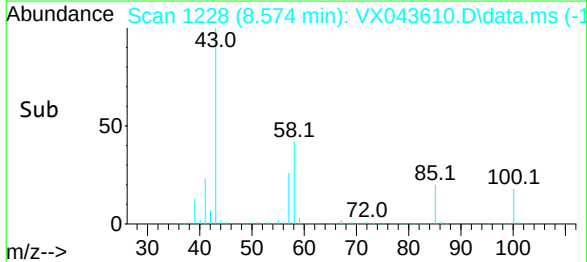
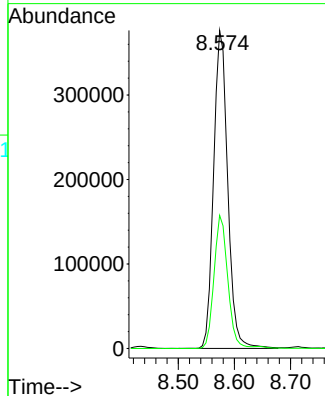
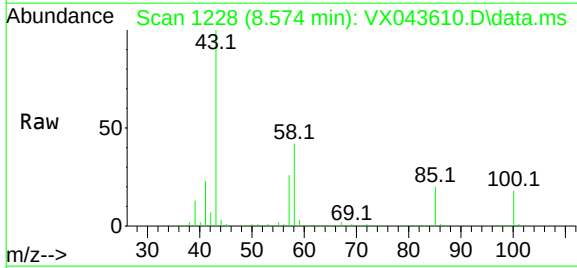
58 40.6 31.7 47.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#52

Toluene

Concen: 49.912 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX043610.D

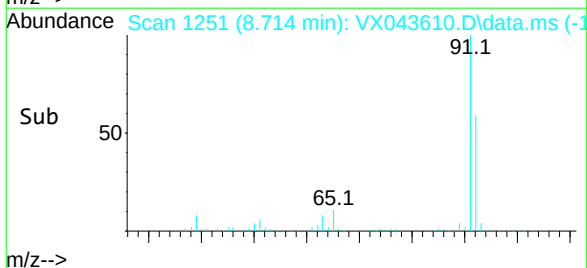
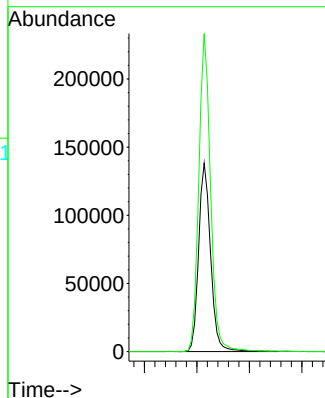
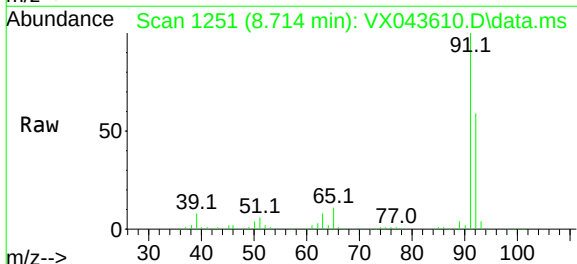
Acq: 30 Oct 2024 09:26

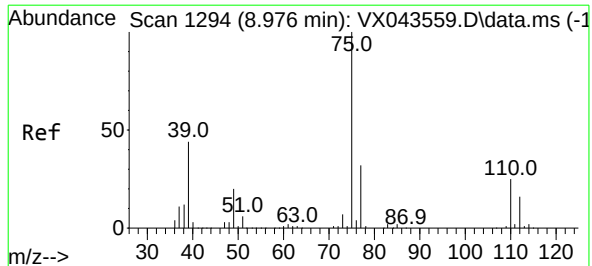
Tgt Ion: 92 Resp: 218703

Ion Ratio Lower Upper

92 100

91 166.1 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 50.985 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 131592

Ion Ratio Lower Upper

75 100

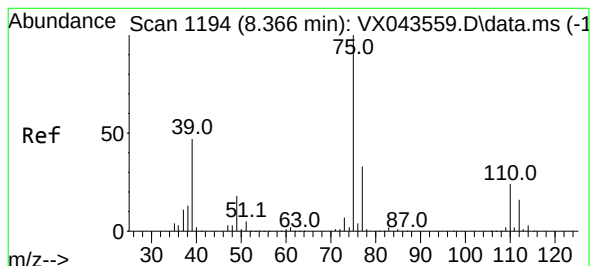
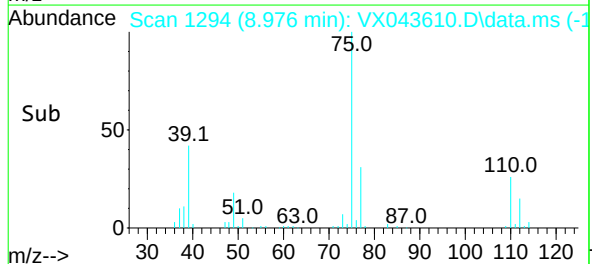
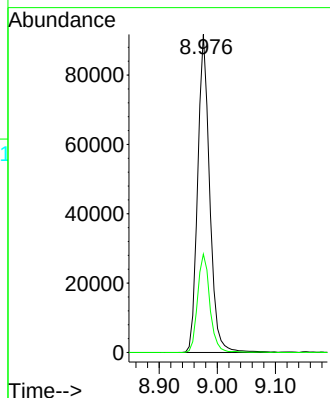
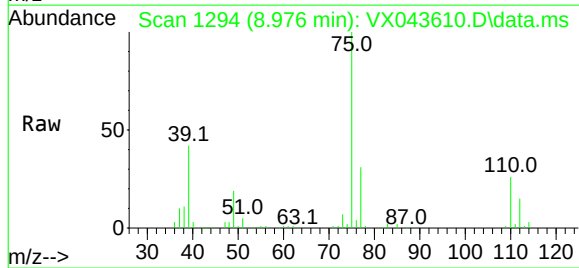
77 30.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#54

cis-1,3-Dichloropropene

Concen: 51.333 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

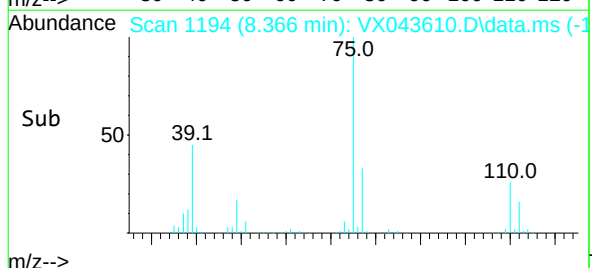
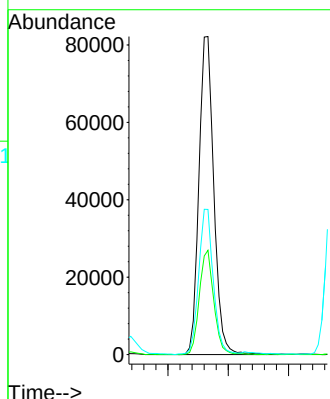
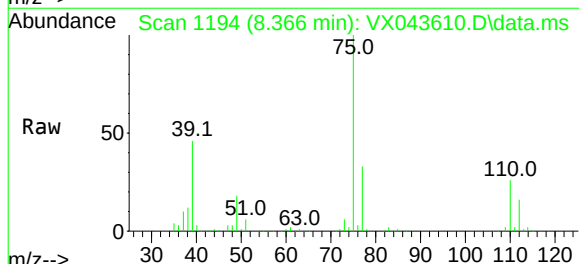
Tgt Ion: 75 Resp: 141165

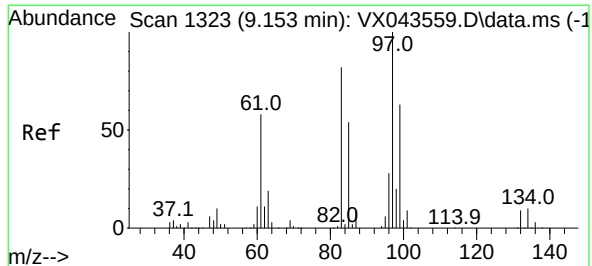
Ion Ratio Lower Upper

75 100

77 32.8 24.8 37.2

39 45.4 37.7 56.5





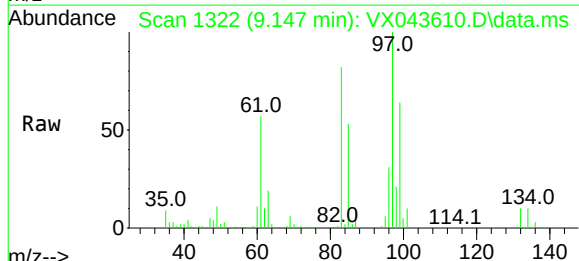
#55
1,1,2-Trichloroethane
Concen: 51.241 ug/l
RT: 9.147 min Scan# 1323
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

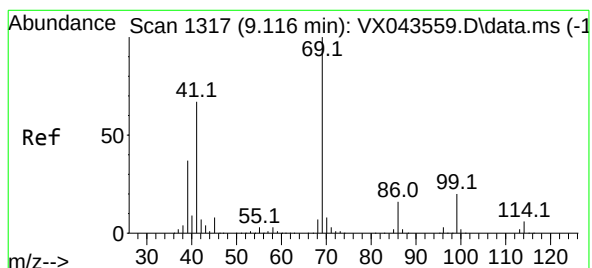
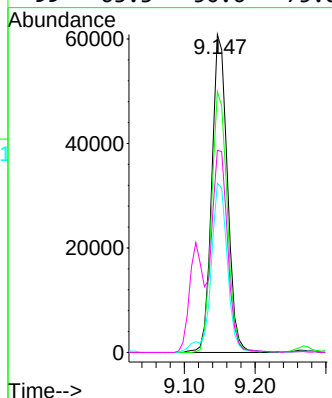
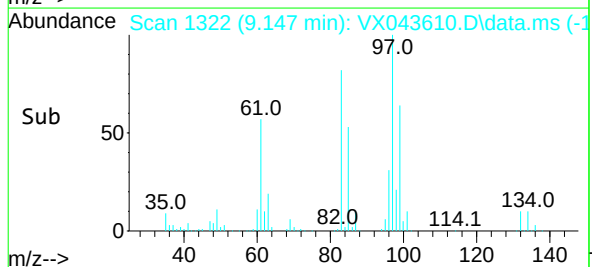
VSTDCCC050



Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.3	100.9
85	53.1	43.6	65.4
99	63.3	50.6	75.8

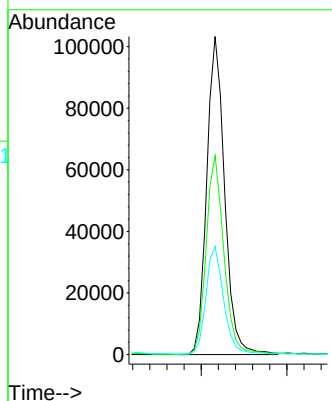
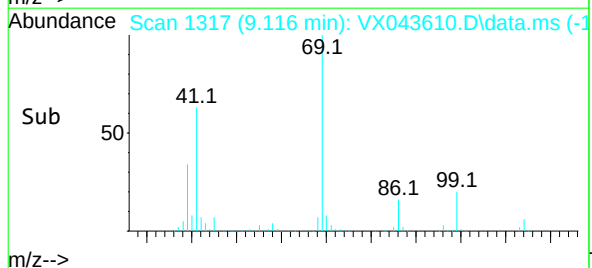
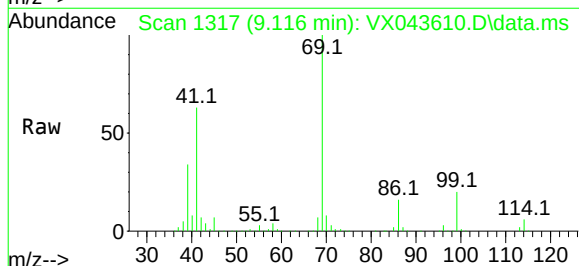
Manual Integrations
APPROVED

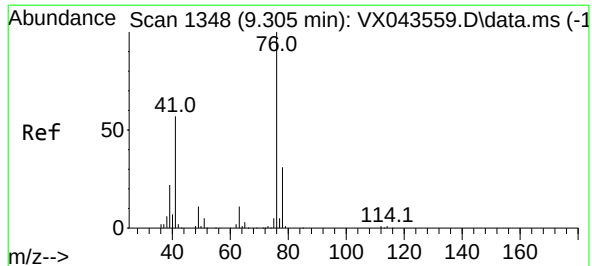
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#56
Ethyl methacrylate
Concen: 50.517 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

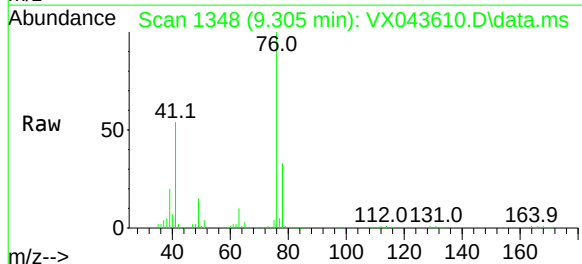
Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	53.8	80.8
39	33.3	29.9	44.9





#57
1,3-Dichloropropane
Concen: 50.209 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

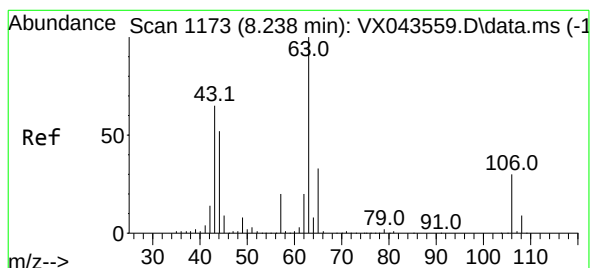
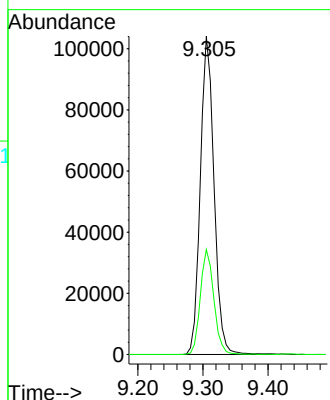
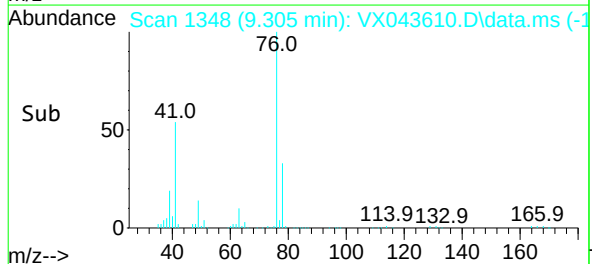
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 152310
Ion Ratio Lower Upper
76 100
78 32.6 25.9 38.9

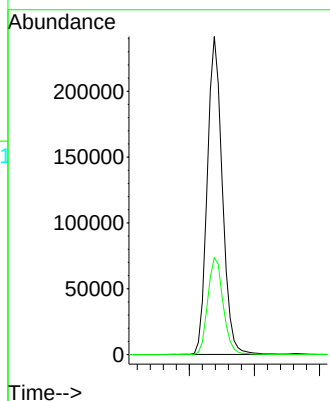
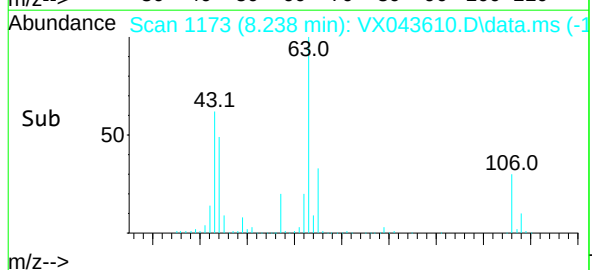
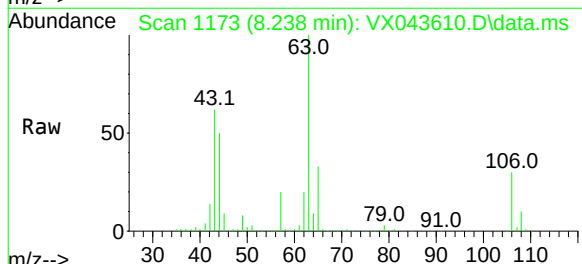
Manual Integrations
APPROVED

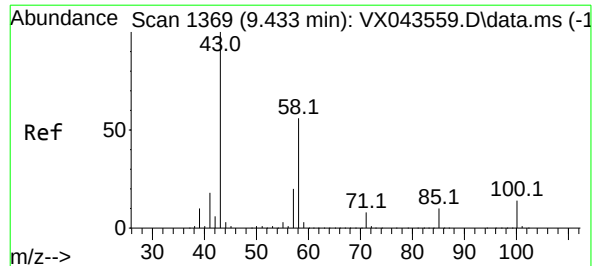
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#58
2-Chloroethyl Vinyl ether
Concen: 269.768 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 63 Resp: 387207
Ion Ratio Lower Upper
63 100
106 31.2 23.6 35.4





#59

2-Hexanone

Concen: 249.695 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 502607

Ion Ratio Lower Upper

43 100

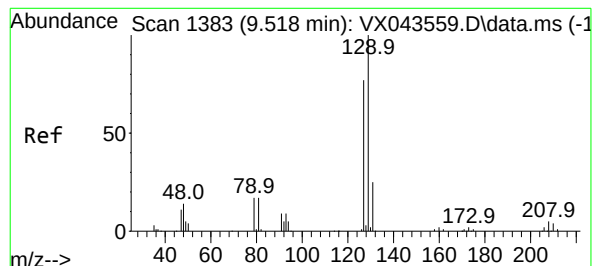
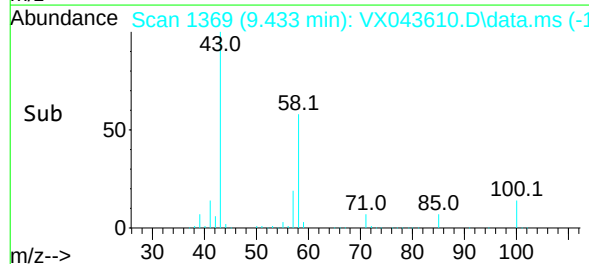
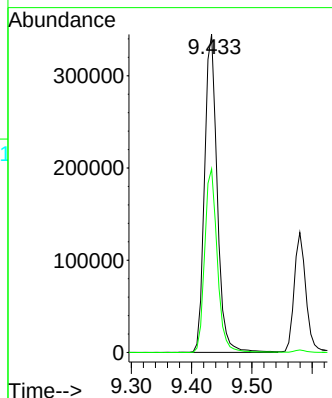
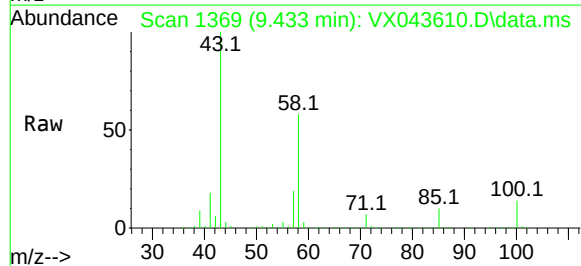
58 57.7 27.5 82.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#60

Dibromochloromethane

Concen: 53.286 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043610.D

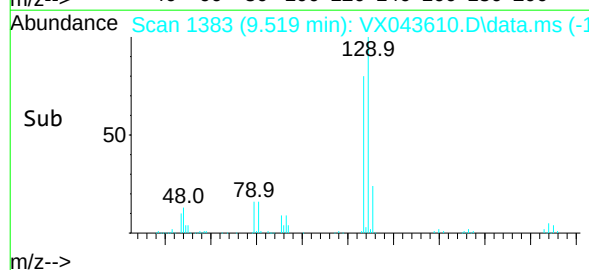
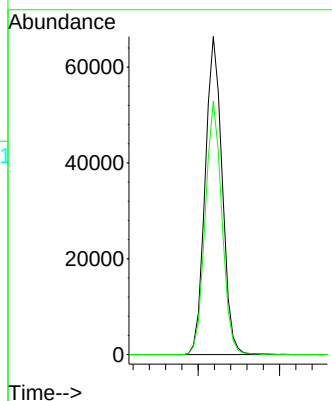
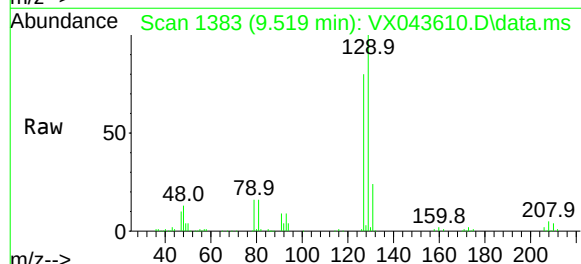
Acq: 30 Oct 2024 09:26

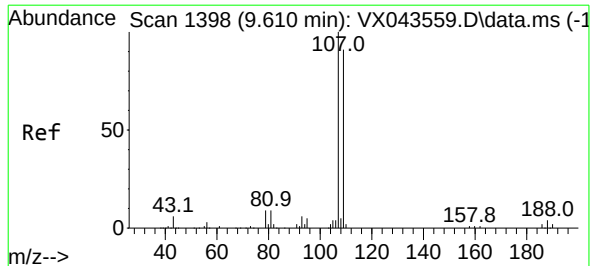
Tgt Ion:129 Resp: 96239

Ion Ratio Lower Upper

129 100

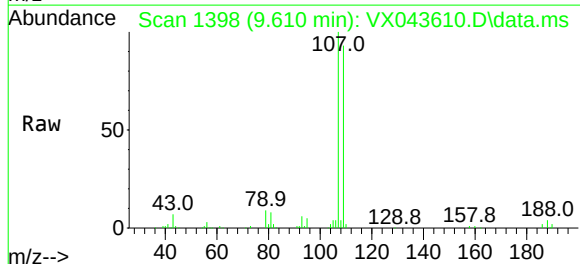
127 78.1 38.4 115.1





#61
1,2-Dibromoethane
Concen: 50.325 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

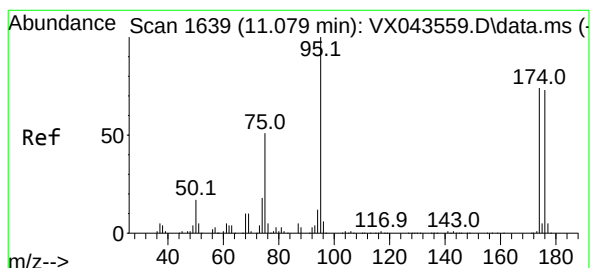
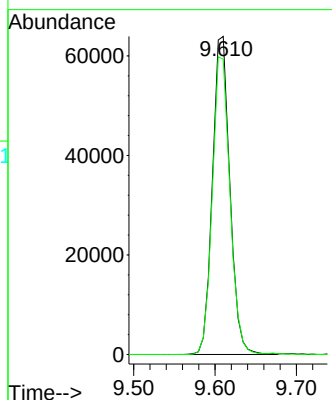
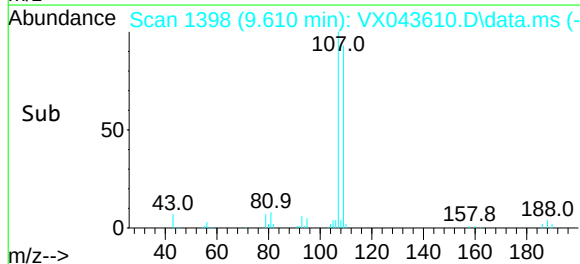
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 107 Resp: 95281
Ion Ratio Lower Upper
107 100
109 94.7 77.1 115.7

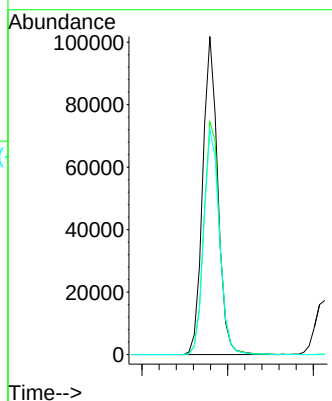
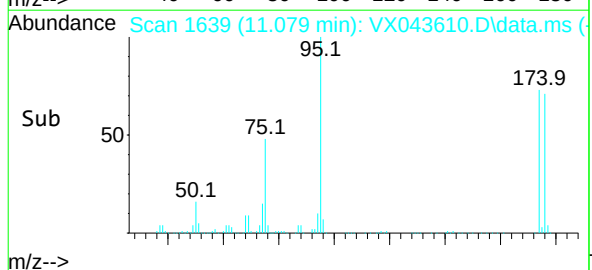
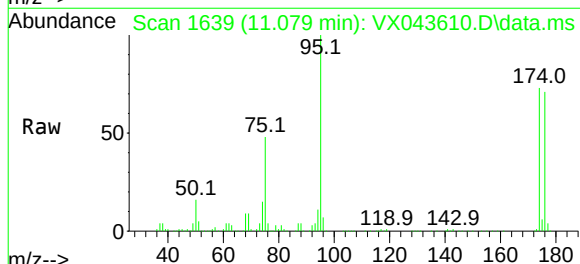
Manual Integrations
APPROVED

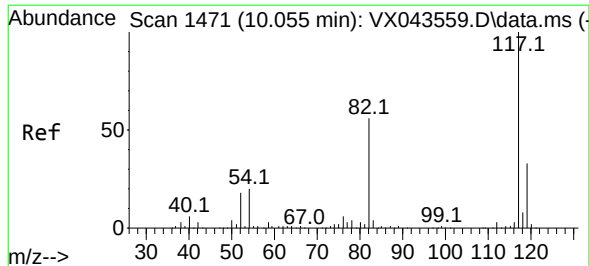
Reviewed By : Semsettin Yesilyurt 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#62
4-Bromofluorobenzene
Concen: 53.067 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 95 Resp: 124327
Ion Ratio Lower Upper
95 100
174 76.8 0.0 146.6
176 73.5 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

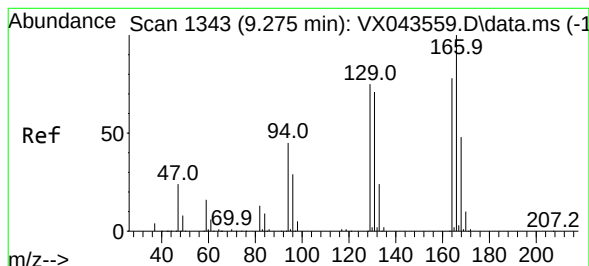
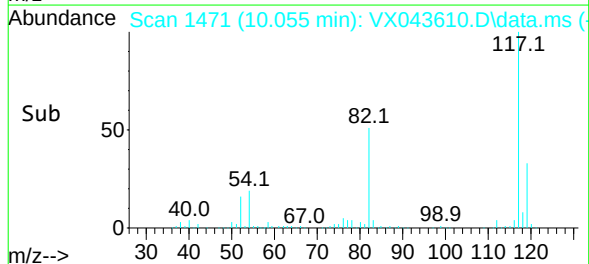
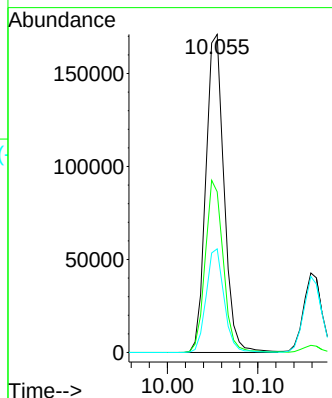
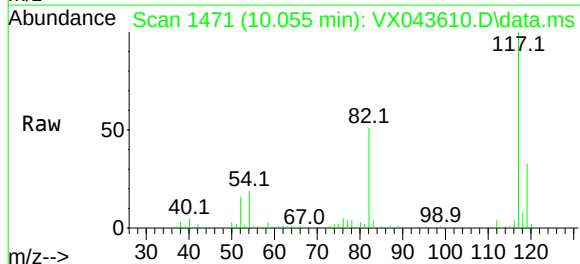
VSTDCCC050

Tgt Ion:	117	Resp:	239151
Ion	Ratio	Lower	Upper
117	100		
82	50.5	42.1	63.1
119	32.6	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#64

Tetrachloroethene

Concen: 47.505 ug/l

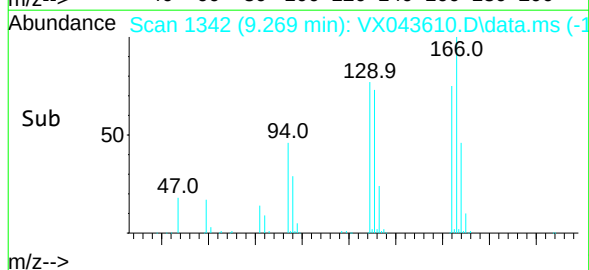
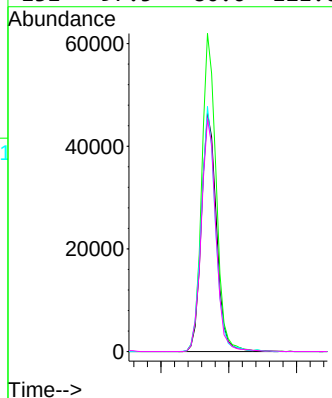
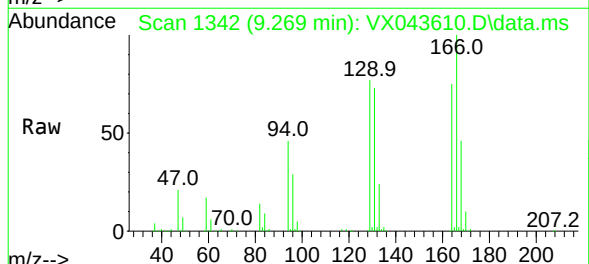
RT: 9.269 min Scan# 1342

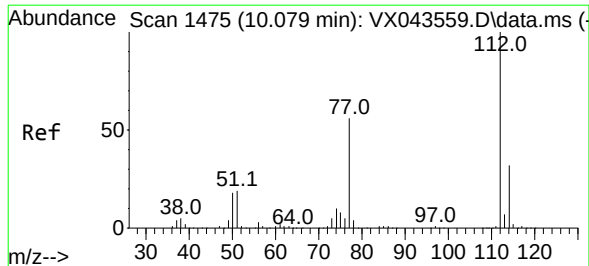
Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Tgt Ion:	164	Resp:	71453
Ion	Ratio	Lower	Upper
164	100		
166	133.4	103.8	155.6
129	102.8	83.8	125.6
131	97.5	80.6	121.0





#65

Chlorobenzene

Concen: 47.976 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 246845

Ion Ratio Lower Upper

112 100

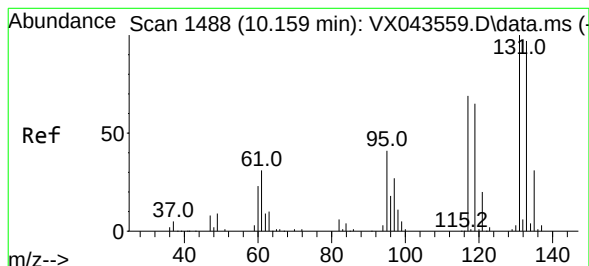
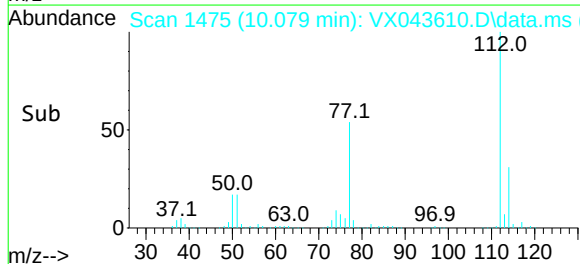
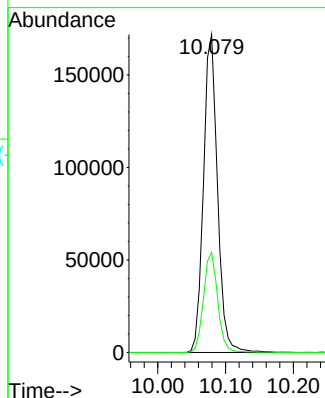
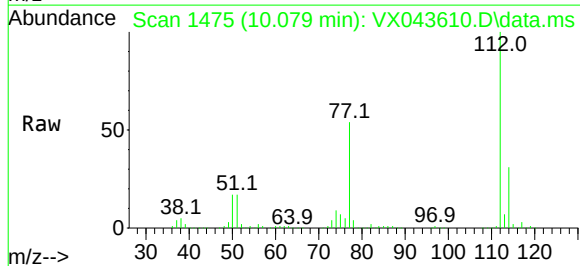
114 31.5 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 50.433 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

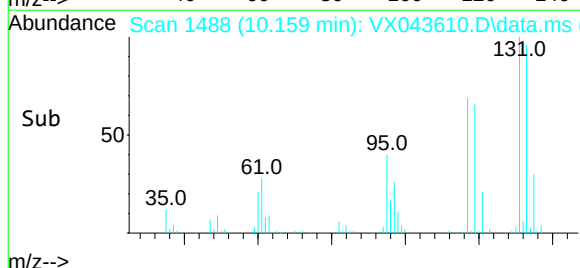
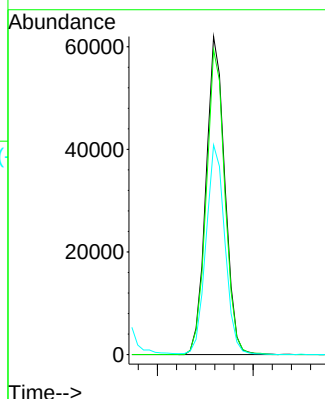
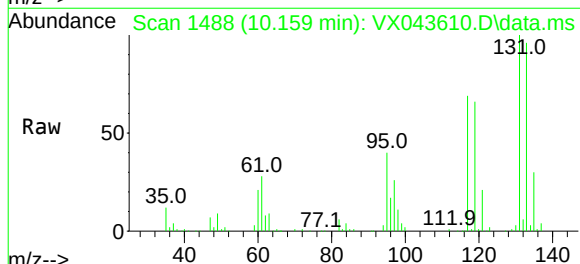
Tgt Ion:131 Resp: 84757

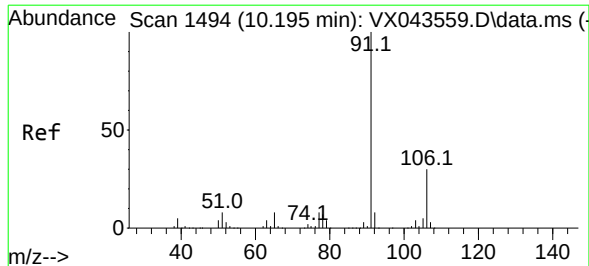
Ion Ratio Lower Upper

131 100

133 94.5 48.0 144.0

119 66.2 32.3 96.9





#67

Ethyl Benzene

Concen: 47.008 ug/l

RT: 10.189 min Scan# 1494

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 394382

Ion Ratio Lower Upper

91 100

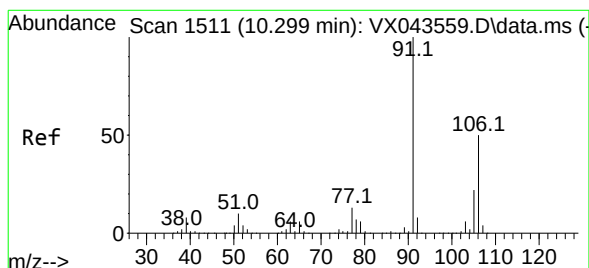
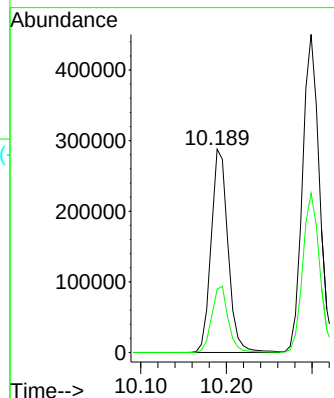
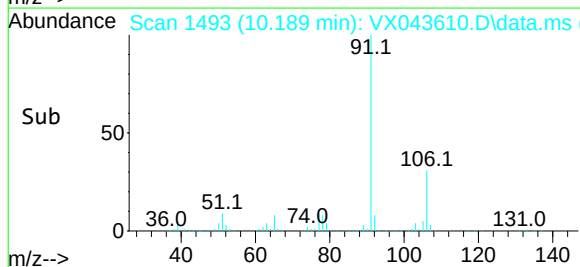
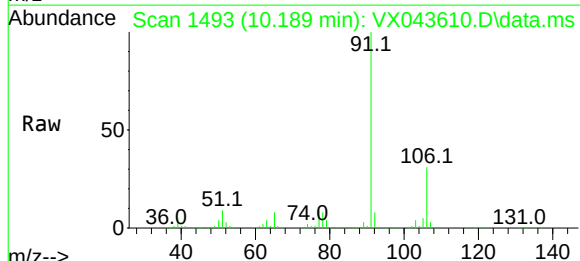
106 31.1 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#68

m/p-Xylenes

Concen: 97.427 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043610.D

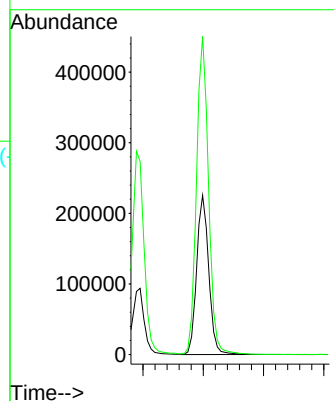
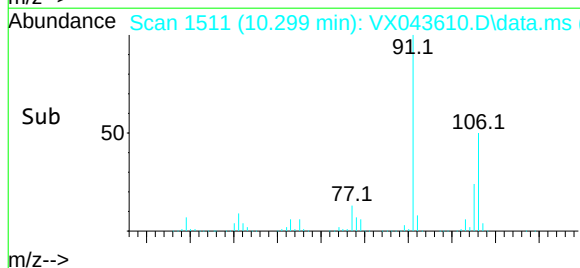
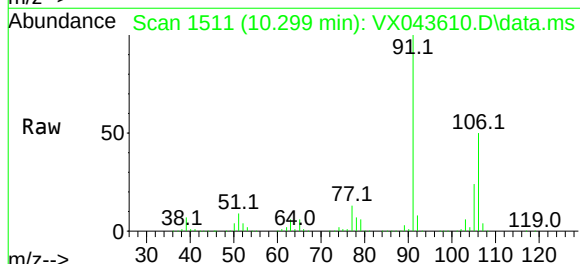
Acq: 30 Oct 2024 09:26

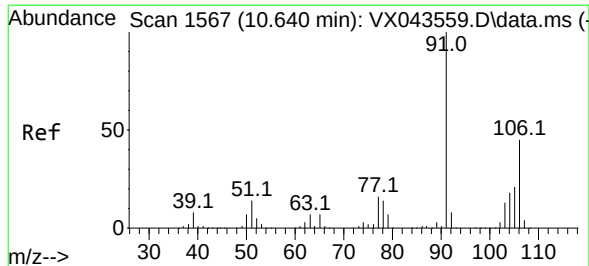
Tgt Ion:106 Resp: 312586

Ion Ratio Lower Upper

106 100

91 199.5 164.7 247.1





#69

o-Xylene

Concen: 49.288 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 158887

Ion Ratio Lower Upper

106 100

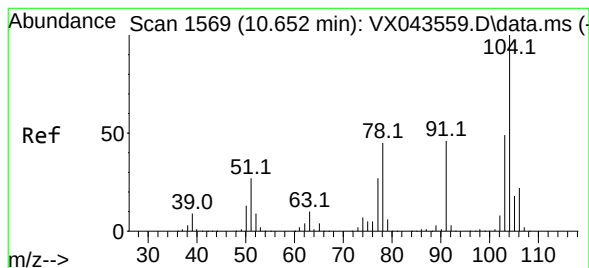
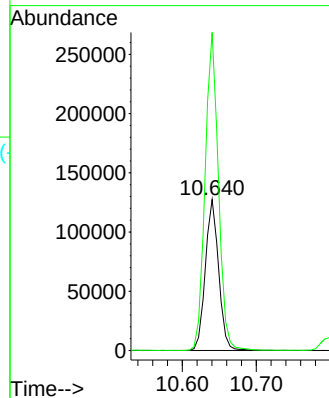
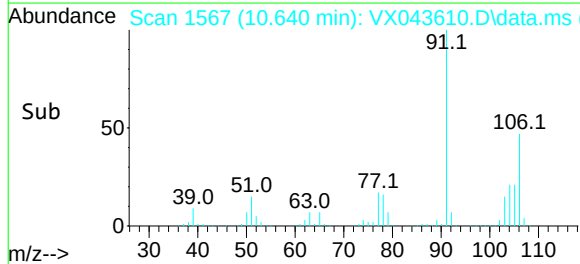
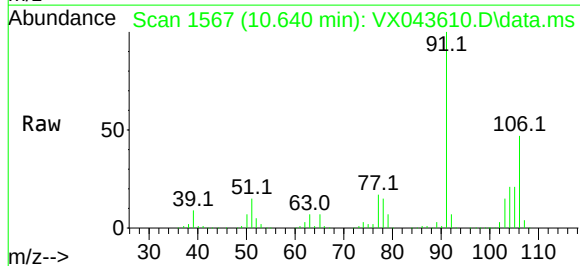
91 211.2 107.9 323.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#70

Styrene

Concen: 50.882 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

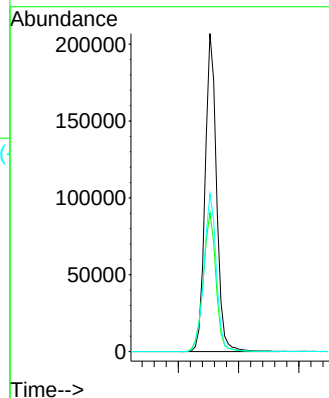
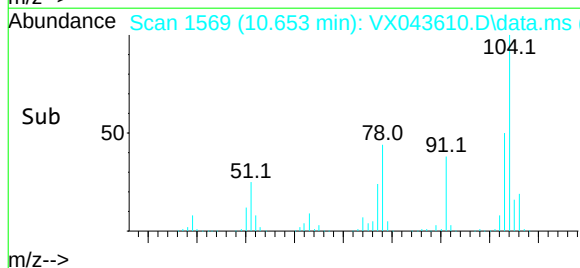
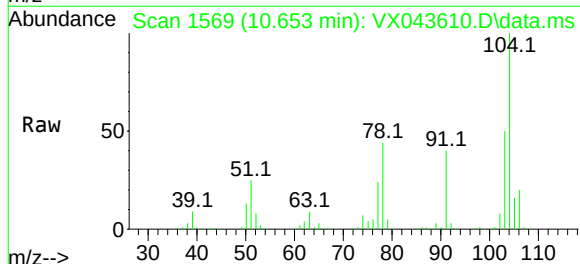
Tgt Ion:104 Resp: 272620

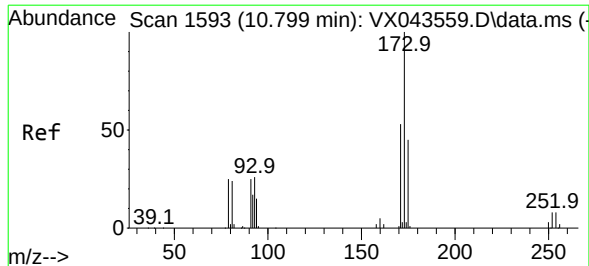
Ion Ratio Lower Upper

104 100

78 48.4 40.0 60.0

103 53.8 43.4 65.0





#71

Bromoform

Concen: 52.344 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

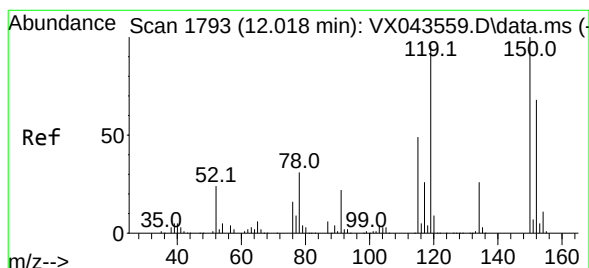
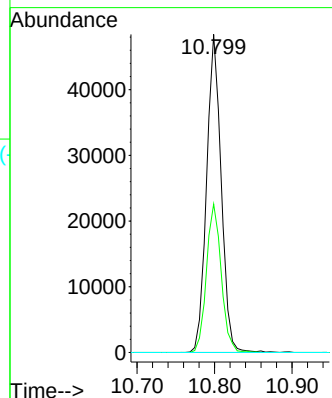
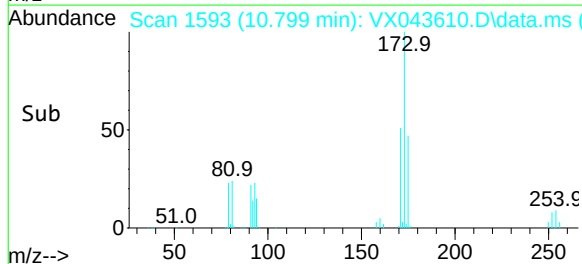
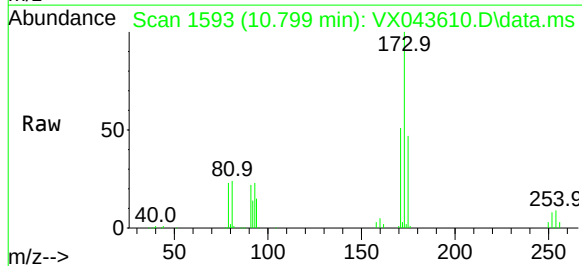
VSTDCCC050

Tgt Ion:	173	Resp:	63250
Ion Ratio	Lower	Upper	
173	100		
175	47.3	23.3	69.9
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

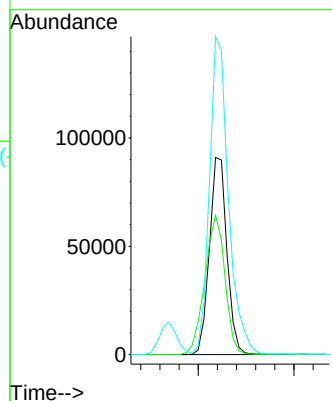
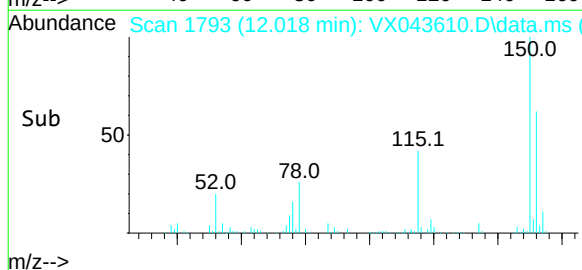
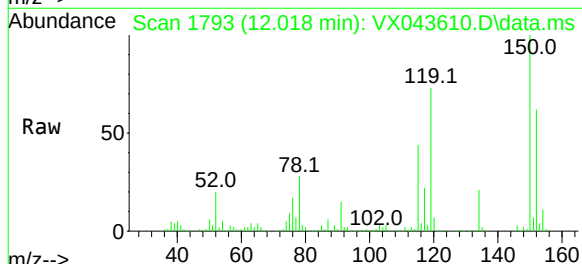
RT: 12.018 min Scan# 1793

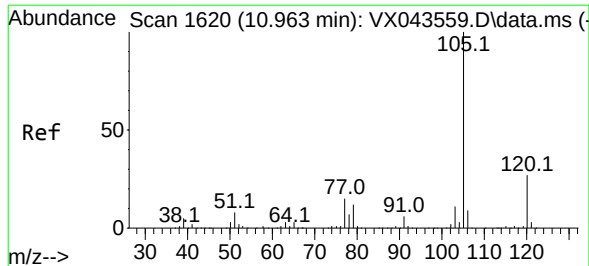
Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Tgt Ion:	152	Resp:	115673
Ion Ratio	Lower	Upper	
152	100		
115	81.1	42.9	128.7
150	174.3	0.0	343.6





#73

Isopropylbenzene

Concen: 46.585 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 381714

Ion Ratio Lower Upper

105 100

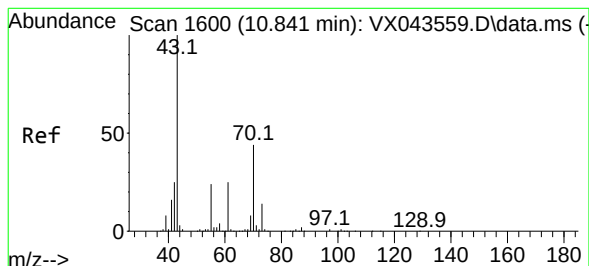
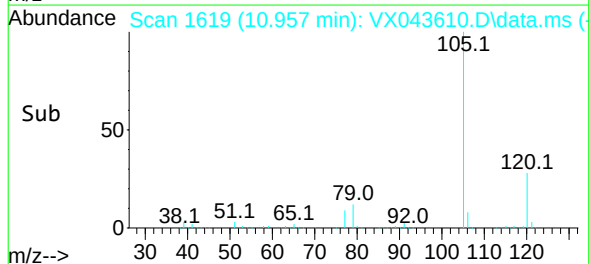
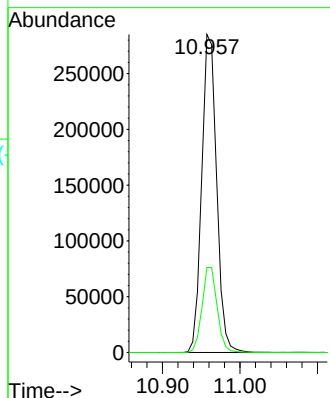
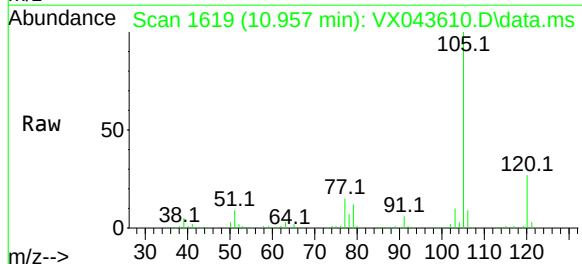
120 27.1 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#74

N-ethyl acetate

Concen: 45.729 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 182532

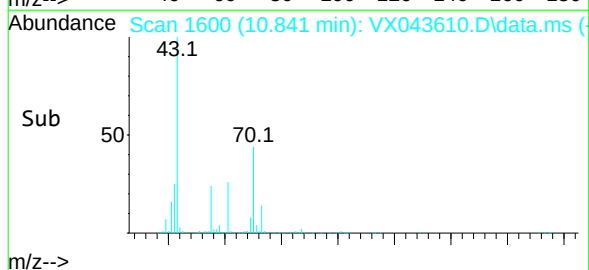
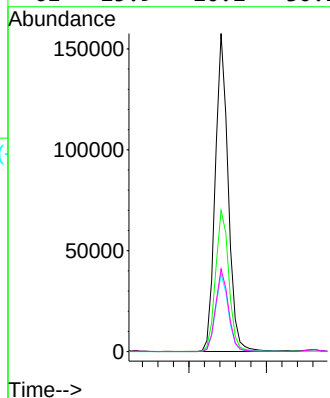
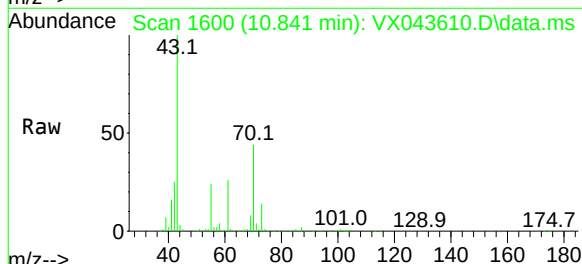
Ion Ratio Lower Upper

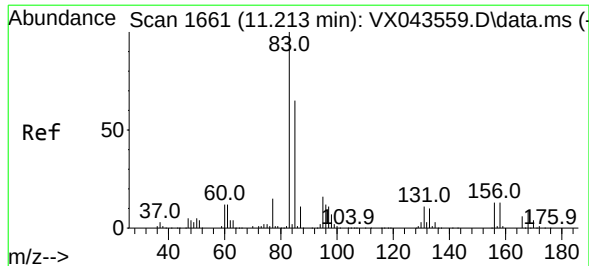
43 100

70 45.9 34.6 52.0

55 24.4 19.6 29.4

61 25.9 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.900 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043610.D

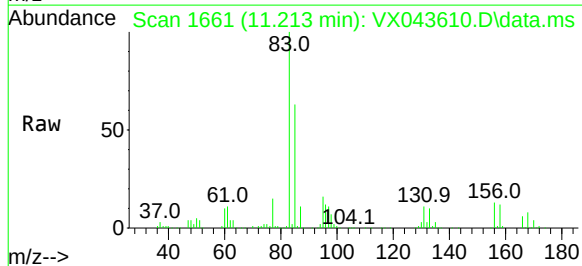
Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

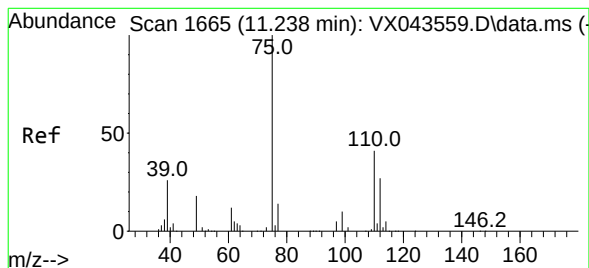
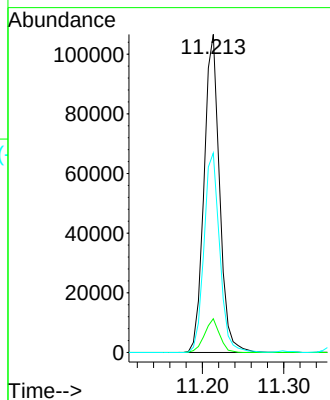
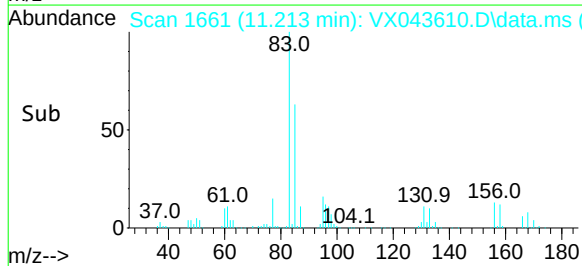


Tgt Ion:	83	Resp:	141135
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	63.6	32.4	97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#76

1,2,3-Trichloropropane

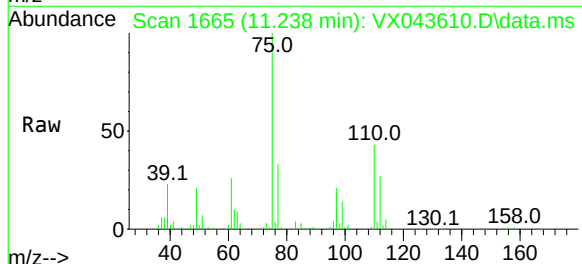
Concen: 46.254 ug/l m

RT: 11.238 min Scan# 1665

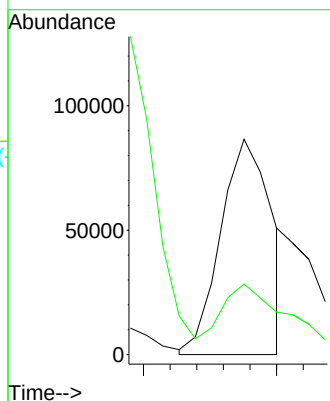
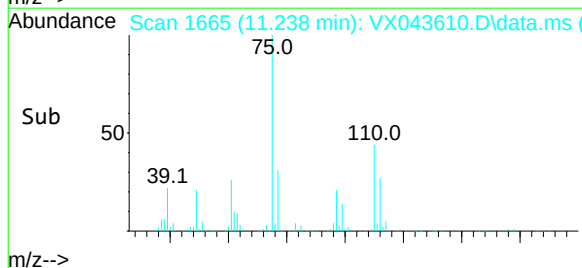
Delta R.T. 0.000 min

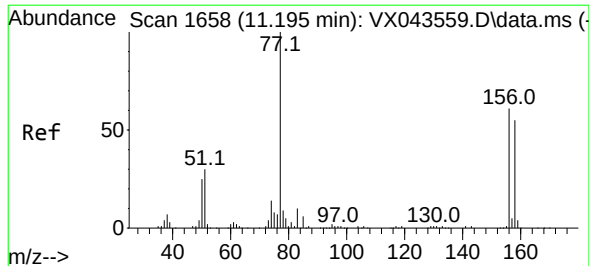
Lab File: VX043610.D

Acq: 30 Oct 2024 09:26



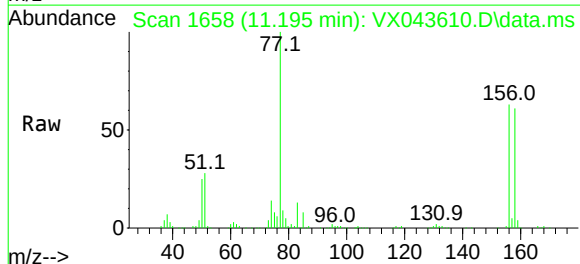
Tgt Ion:	75	Resp:	114398
Ion	Ratio	Lower	Upper
75	100		
77	44.3	22.4	67.2





#77
Bromobenzene
Concen: 48.616 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

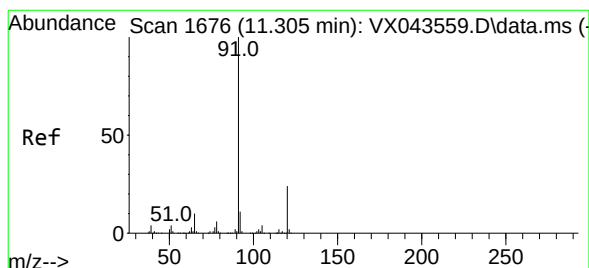
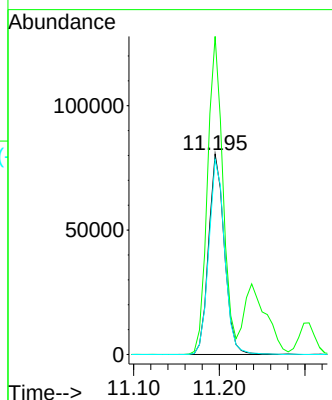
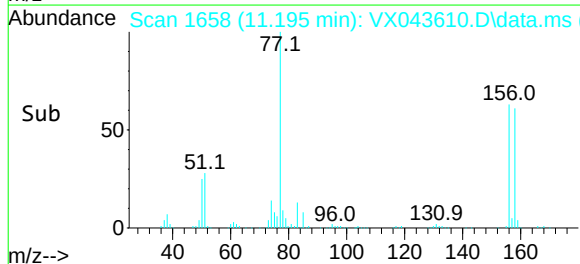
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 156 Resp: 102861
Ion Ratio Lower Upper
156 100
77 155.2 79.7 239.1
158 98.0 48.0 144.0

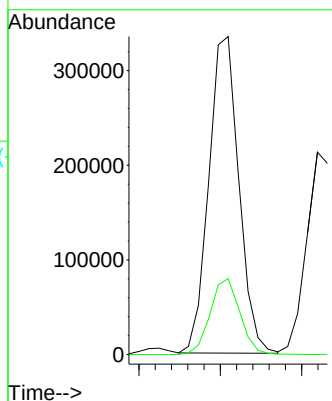
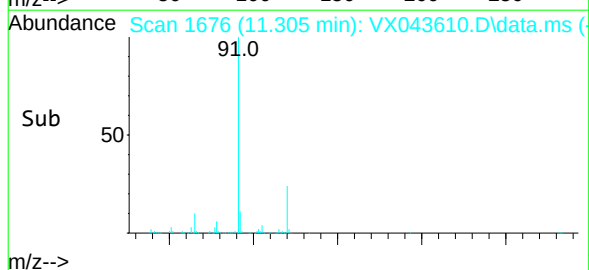
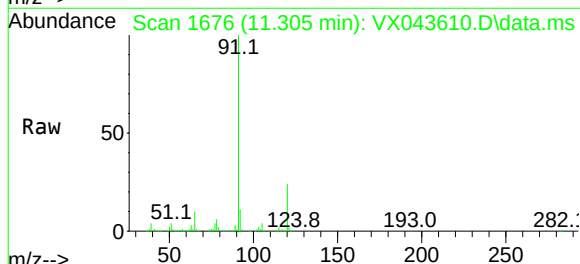
Manual Integrations
APPROVED

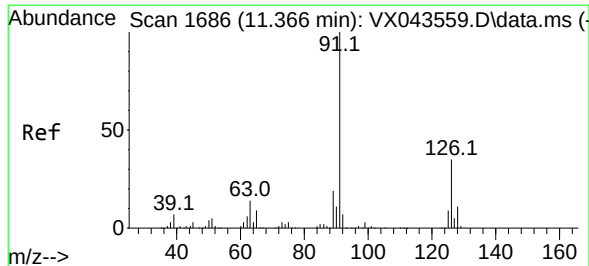
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#78
n-propylbenzene
Concen: 48.063 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 91 Resp: 429391
Ion Ratio Lower Upper
91 100
120 23.8 11.6 34.7





#79

2-Chlorotoluene

Concen: 46.169 ug/l

RT: 11.360 min Scan# 1686

Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 273511

Ion Ratio Lower Upper

91 100

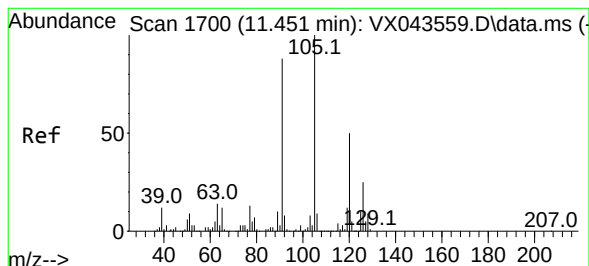
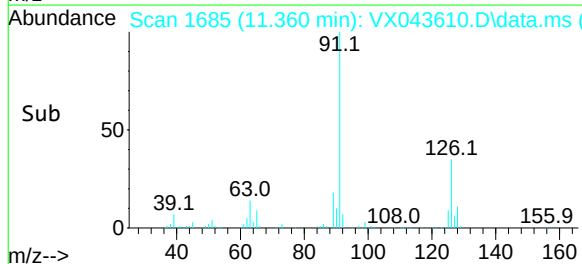
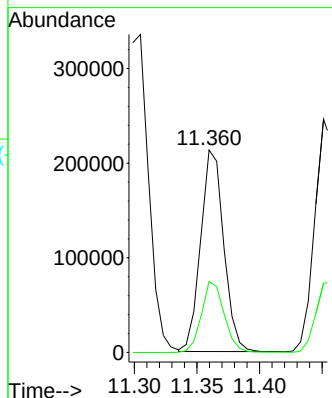
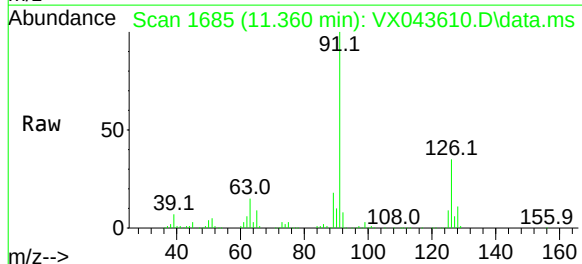
126 34.9 16.7 50.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#80

1,3,5-Trimethylbenzene

Concen: 47.262 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043610.D

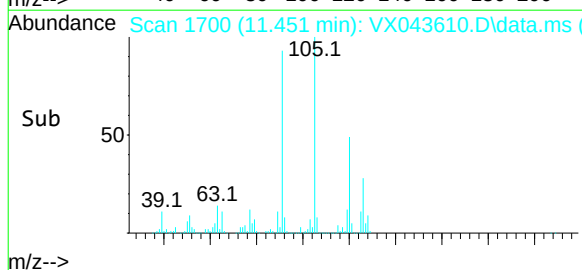
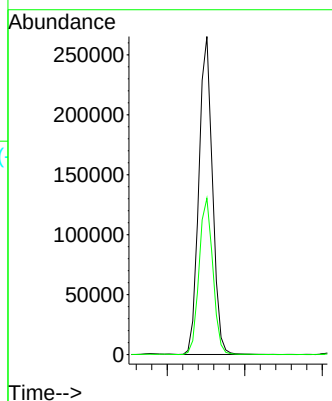
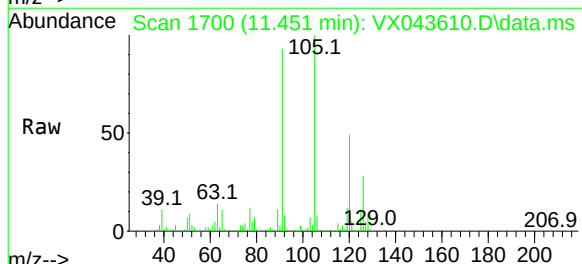
Acq: 30 Oct 2024 09:26

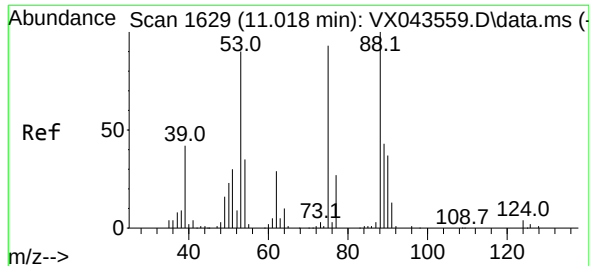
Tgt Ion:105 Resp: 322893

Ion Ratio Lower Upper

105 100

120 50.0 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 49.216 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 44246

Ion Ratio Lower Upper

75 100

53 97.8 84.6 126.8

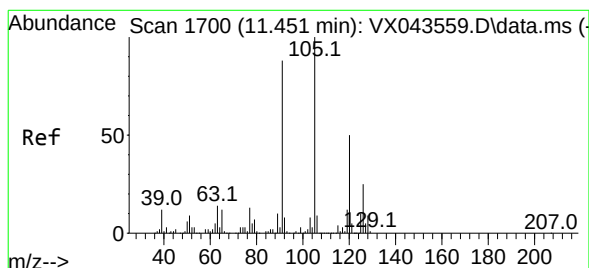
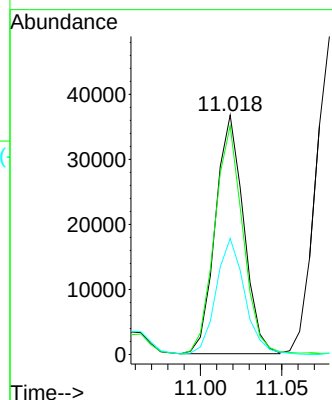
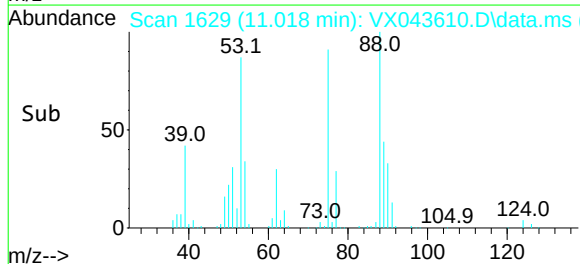
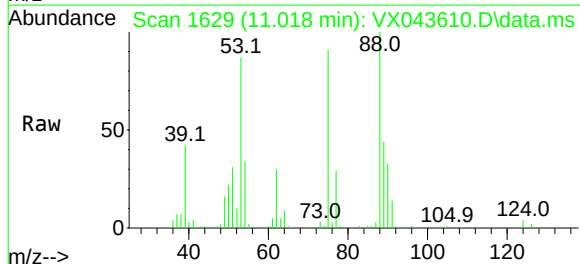
89 49.4 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#82

4-Chlorotoluene

Concen: 47.565 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043610.D

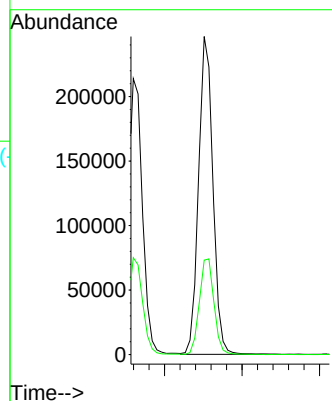
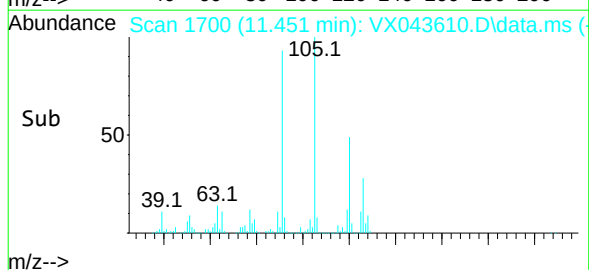
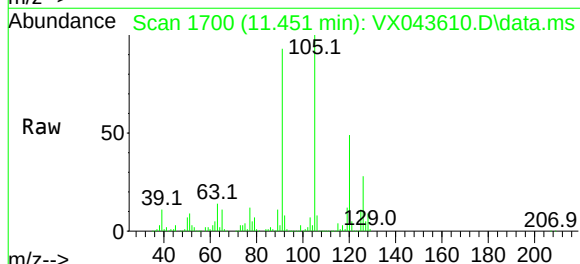
Acq: 30 Oct 2024 09:26

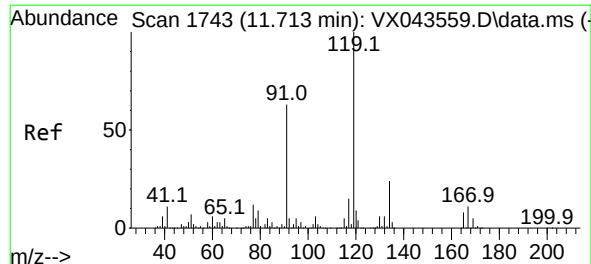
Tgt Ion: 91 Resp: 316271

Ion Ratio Lower Upper

91 100

126 30.8 14.2 42.8





#83

tert-Butylbenzene

Concen: 46.916 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 325979

Ion Ratio Lower Upper

119 100

91 57.4 29.5 88.5

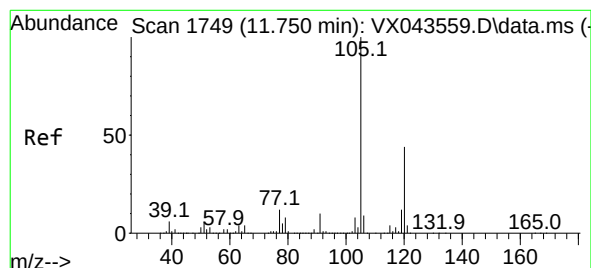
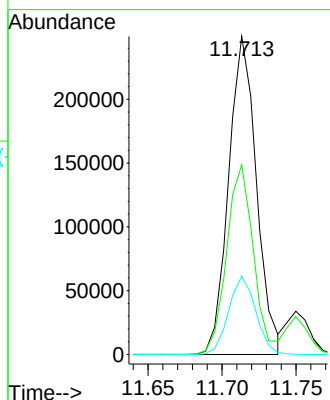
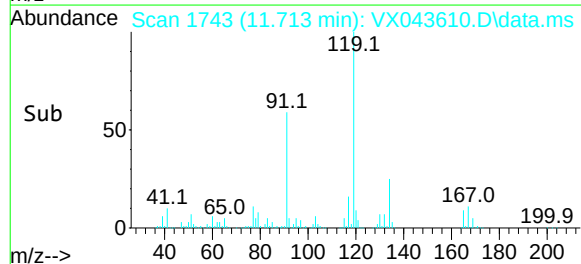
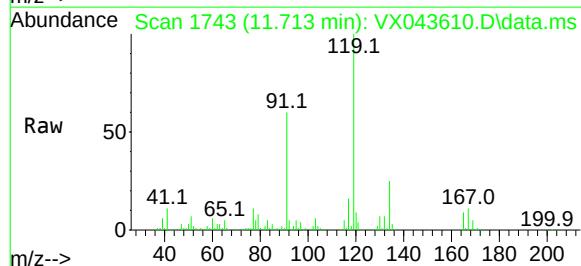
134 24.0 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#84

1,2,4-Trimethylbenzene

Concen: 48.385 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043610.D

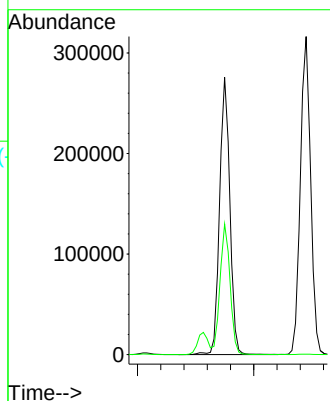
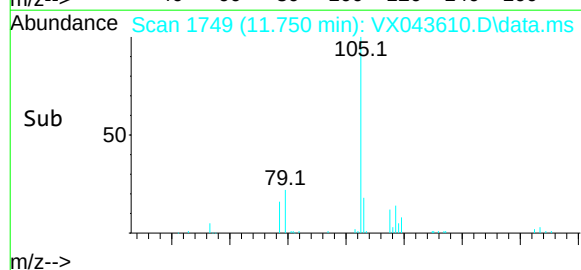
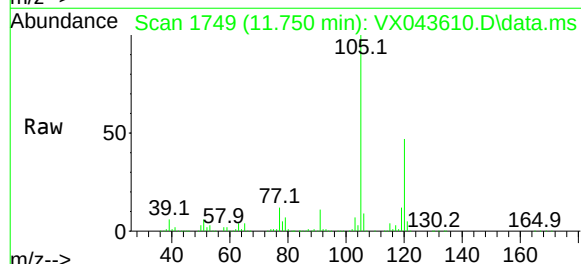
Acq: 30 Oct 2024 09:26

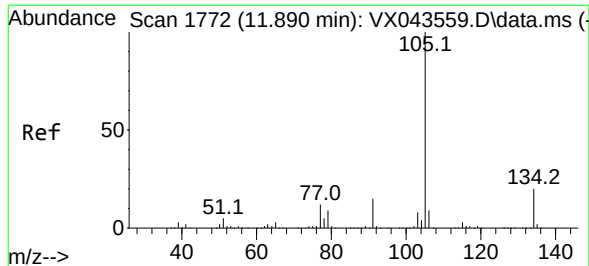
Tgt Ion:105 Resp: 336881

Ion Ratio Lower Upper

105 100

120 46.4 22.1 66.1





#85

sec-Butylbenzene

Concen: 47.720 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 388641

Ion Ratio Lower Upper

105 100

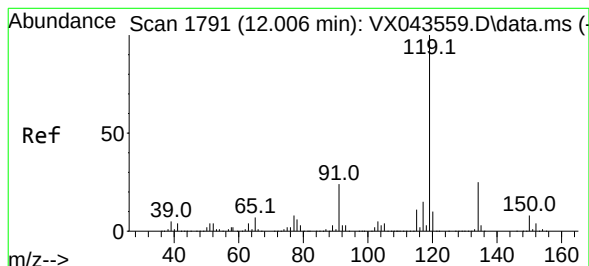
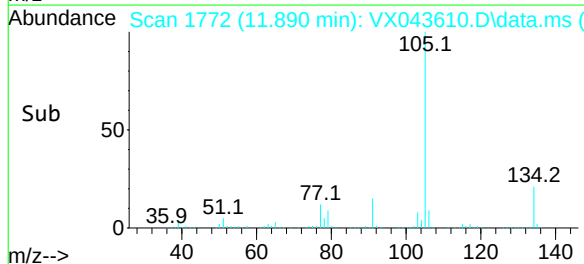
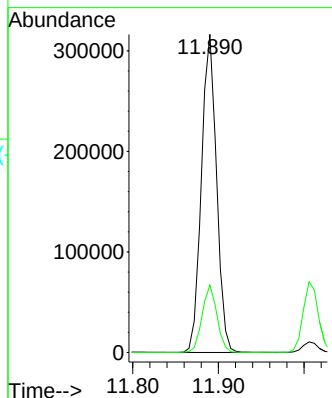
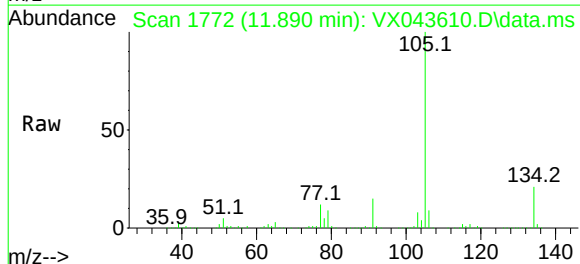
134 20.7 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#86

p-Isopropyltoluene

Concen: 48.414 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

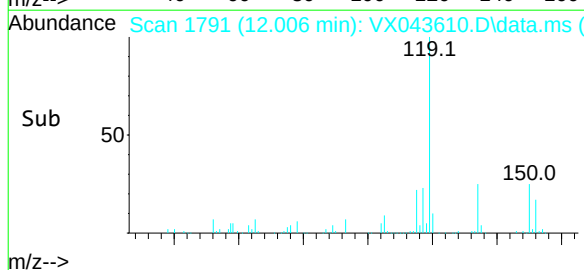
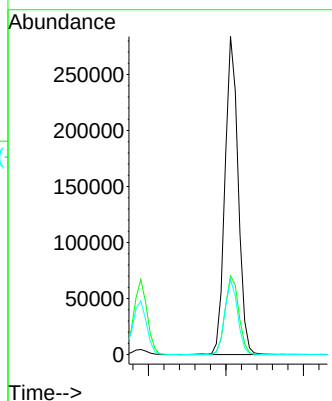
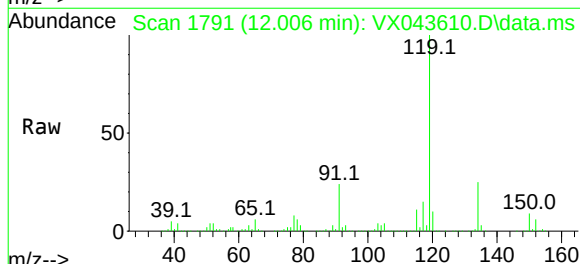
Tgt Ion:119 Resp: 335157

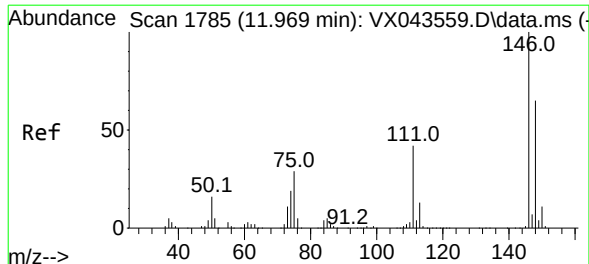
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 23.0 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 49.579 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043610.D

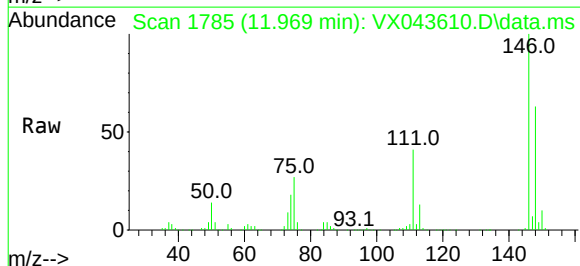
Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion:146 Resp: 188015

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.4

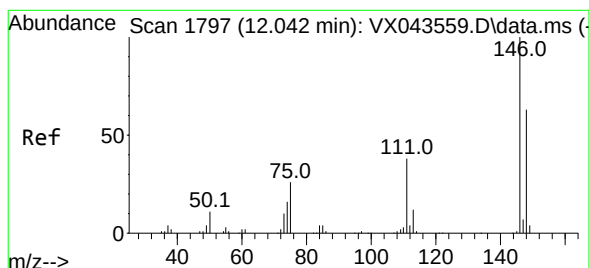
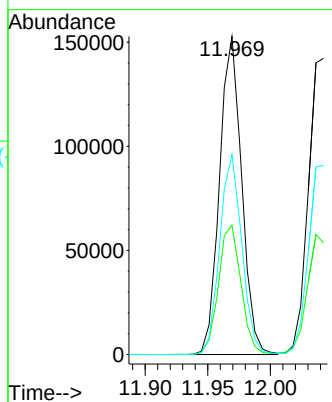
148 62.8 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#88

1,4-Dichlorobenzene

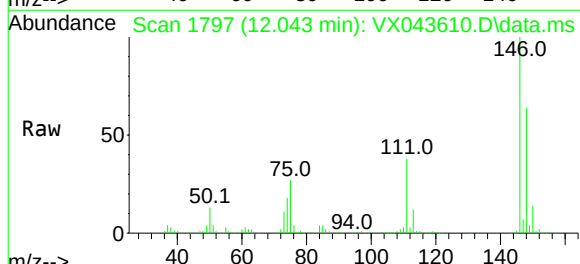
Concen: 47.762 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26



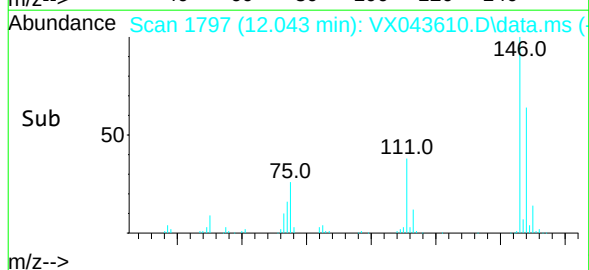
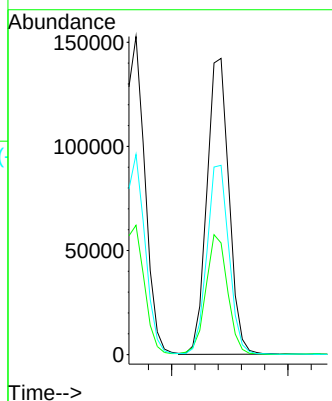
Tgt Ion:146 Resp: 187678

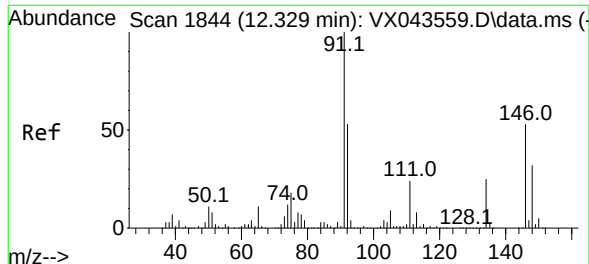
Ion Ratio Lower Upper

146 100

111 39.9 20.4 61.3

148 64.0 31.9 95.9





#89

n-Butylbenzene

Concen: 50.210 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 283231

Ion Ratio Lower Upper

91 100

92 54.7 27.1 81.2

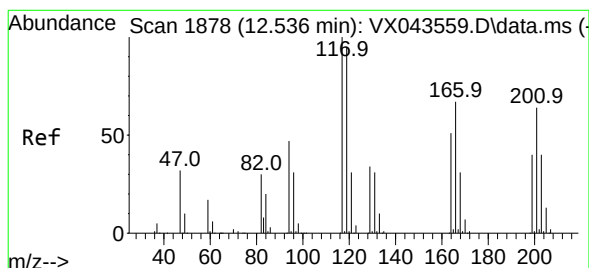
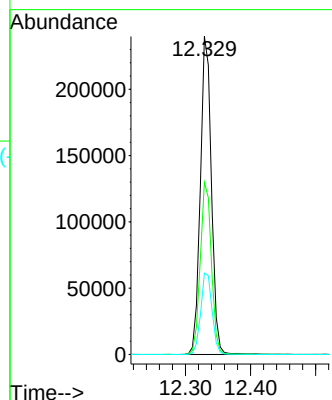
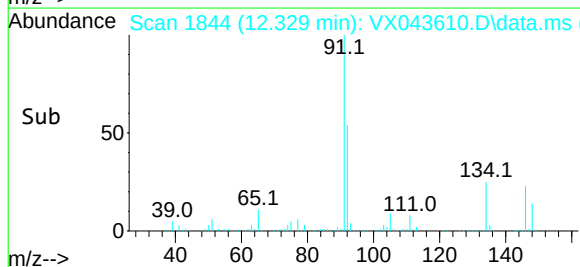
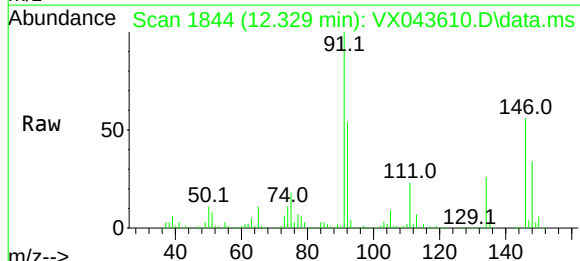
134 26.3 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#90

Hexachloroethane

Concen: 49.441 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043610.D

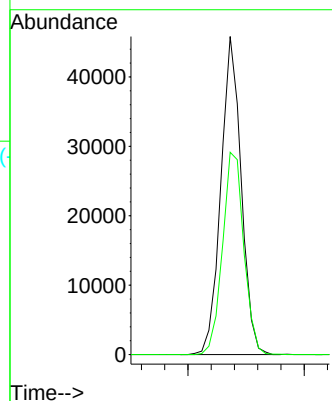
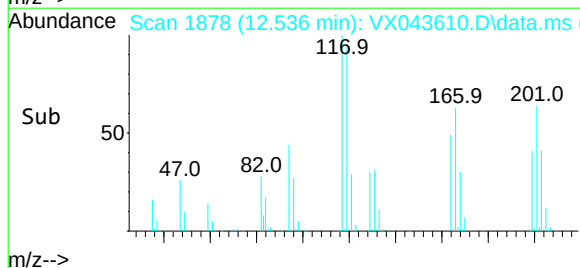
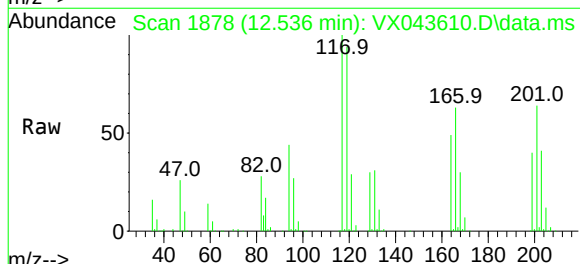
Acq: 30 Oct 2024 09:26

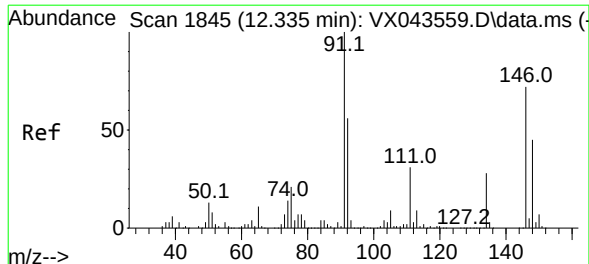
Tgt Ion:117 Resp: 55596

Ion Ratio Lower Upper

117 100

201 66.7 32.9 98.7





#91

1,2-Dichlorobenzene

Concen: 50.031 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043610.D

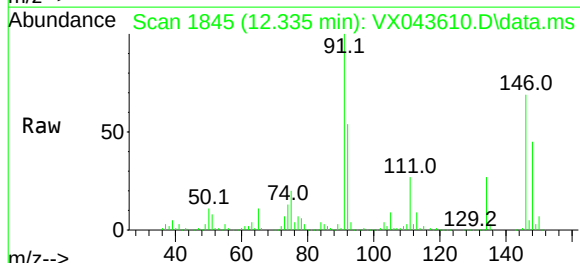
Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion:146 Resp: 194011

Ion Ratio Lower Upper

146 100

111 40.4 21.6 64.6

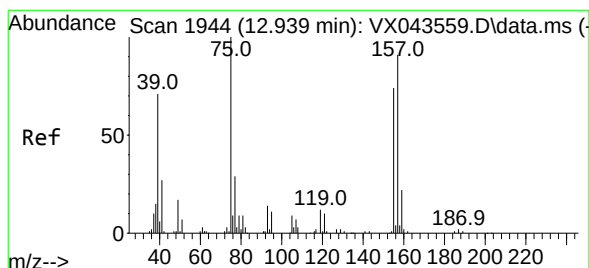
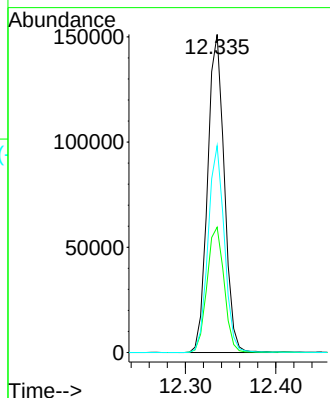
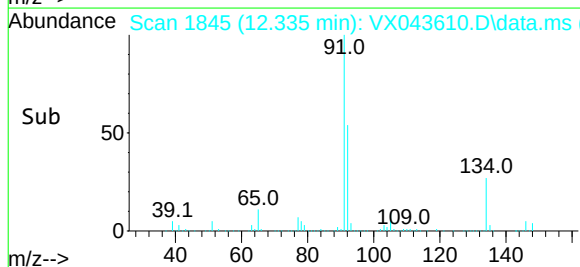
148 63.5 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.454 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

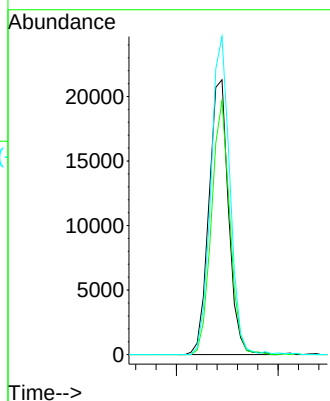
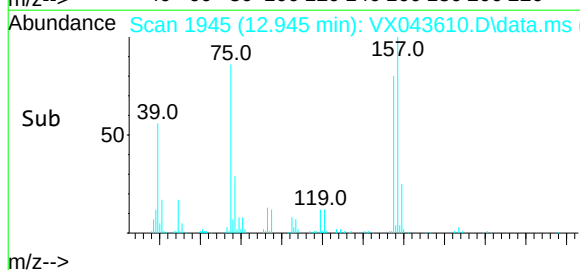
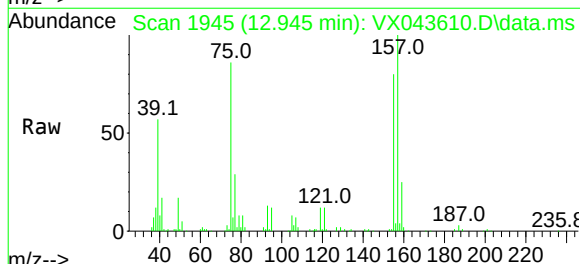
Tgt Ion: 75 Resp: 28504

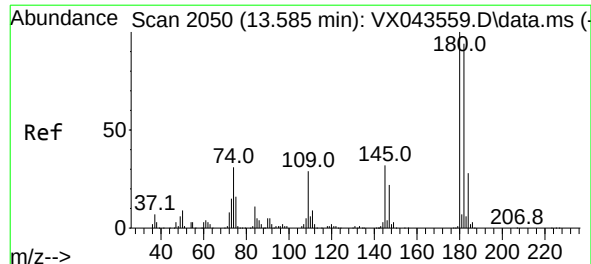
Ion Ratio Lower Upper

75 100

155 86.3 40.1 120.3

157 112.4 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 52.231 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

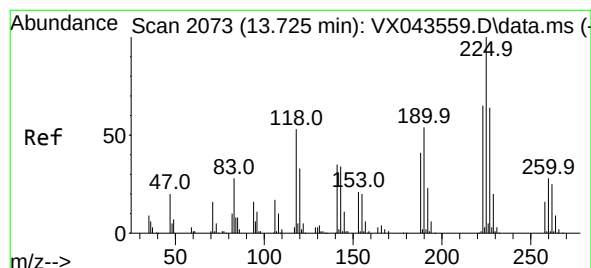
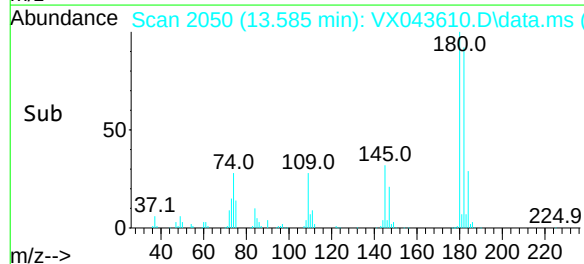
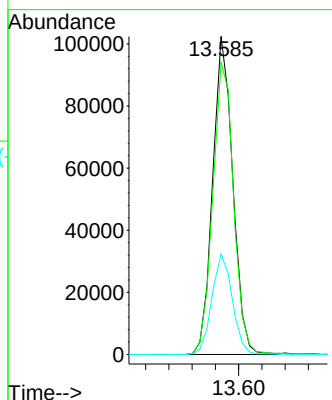
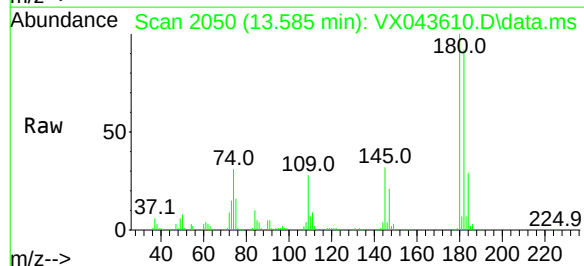
VSTDCCC050

Tgt Ion:	180	Resp:	122941
Ion Ratio	Lower	Upper	
180	100		
182	95.5	46.8	140.4
145	32.3	16.1	48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024



#94

Hexachlorobutadiene

Concen: 49.928 ug/l

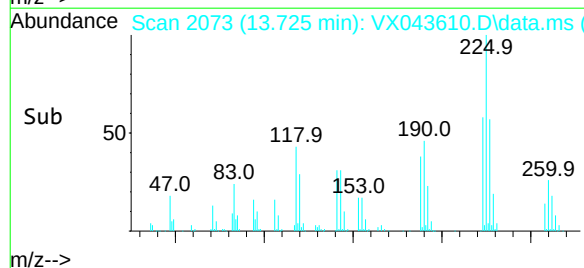
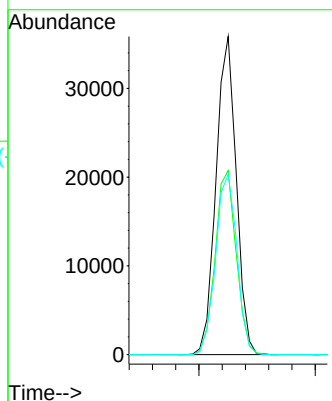
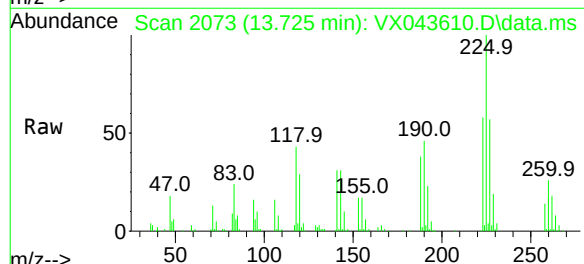
RT: 13.725 min Scan# 2073

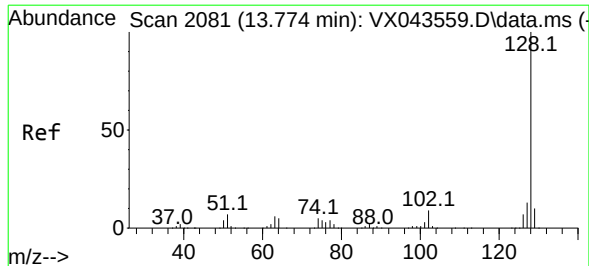
Delta R.T. 0.000 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26

Tgt Ion:	225	Resp:	43330
Ion Ratio	Lower	Upper	
225	100		
223	60.3	30.8	92.4
227	59.5	31.6	94.8





#95

Naphthalene

Concen: 51.219 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043610.D

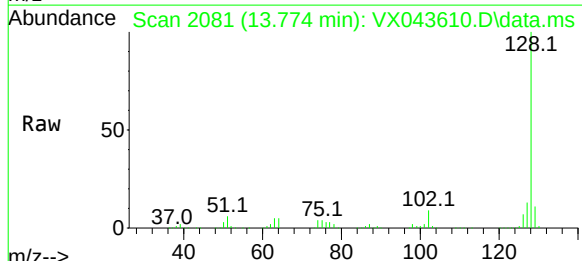
Acq: 30 Oct 2024 09:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

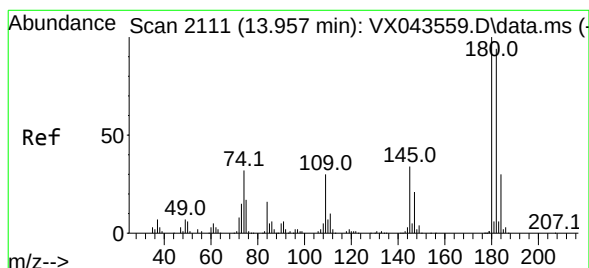
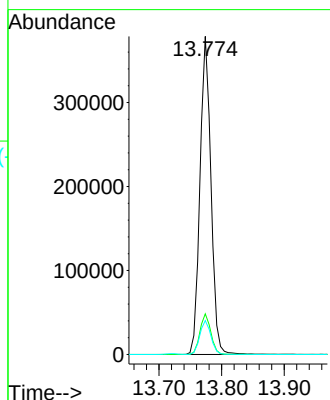
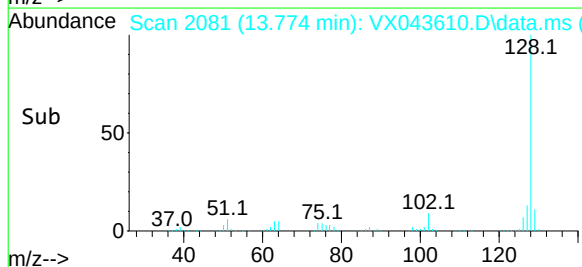


Tgt Ion:	128	Resp:	461342
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#96

1,2,3-Trichlorobenzene

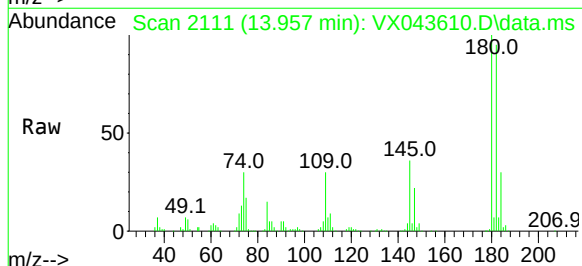
Concen: 50.894 ug/l

RT: 13.957 min Scan# 2111

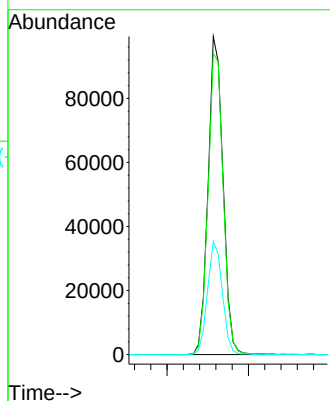
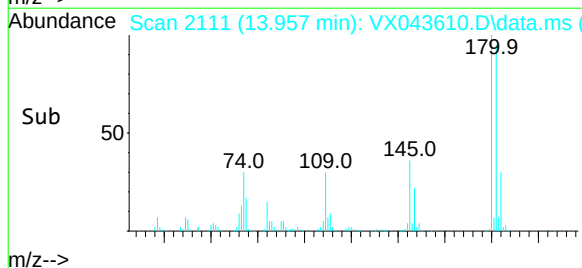
Delta R.T. -0.006 min

Lab File: VX043610.D

Acq: 30 Oct 2024 09:26



Tgt Ion:	180	Resp:	126305
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.1	141.3
145	35.4	17.4	52.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043610.D
 Acq On : 30 Oct 2024 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	0.535	0.477	10.8	95	0.00
3 P	Chloromethane	0.684	0.584	14.6	90	0.00
4 C	Vinyl Chloride	0.634	0.571	9.9#	91	0.00
5 T	Bromomethane	0.259	0.237	8.5	91	0.00
6 T	Chloroethane	0.223	0.203	9.0	91	0.00
7 T	Trichlorofluoromethane	0.775	0.698	9.9	90	0.00
8 T	Diethyl Ether	0.358	0.356	0.6	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.524	0.507	3.2	97	0.00
10 T	Methyl Iodide	0.757	0.725	4.2	93	0.00
11 T	Tert butyl alcohol	0.149	0.145	2.7	93	-0.04
12 CM	1,1-Dichloroethene	0.536	0.501	6.5#	94	0.00
13 T	Acrolein	0.116	0.099	14.7	91	0.00
14 T	Allyl chloride	0.926	0.875	5.5	92	0.00
15 T	Acrylonitrile	0.336	0.337	-0.3	97	0.00
16 T	Acetone	0.317	0.343	-8.2	111	0.00
17 T	Carbon Disulfide	1.120	0.957	14.6	85	0.00
18 T	Methyl Acetate	0.925	0.882	4.6	96	0.00
19 T	Methyl tert-butyl Ether	2.037	1.972	3.2	96	0.00
20 T	Methylene Chloride	0.682	0.636	6.7	97	0.00
21 T	trans-1,2-Dichloroethene	0.566	0.534	5.7	96	0.00
22 T	Diisopropyl ether	1.915	1.828	4.5	94	0.00
23 T	Vinyl Acetate	1.582	1.572	0.6	94	0.00
24 P	1,1-Dichloroethane	1.101	1.028	6.6	93	0.00
25 T	2-Butanone	0.462	0.468	-1.3	98	0.00
26 T	2,2-Dichloropropane	0.901	0.854	5.2	97	0.00
27 T	cis-1,2-Dichloroethene	0.723	0.716	1.0	98	0.00
28 T	Bromochloromethane	0.524	0.533	-1.7	106	0.00
29 T	Tetrahydrofuran	0.300	0.289	3.7	94	0.00
30 C	Chloroform	1.154	1.104	4.3#	96	0.00
31 T	Cyclohexane	0.842	0.762	9.5	92	0.00
32 T	1,1,1-Trichloroethane	0.969	0.886	8.6	90	0.00
33 S	1,2-Dichloroethane-d4	0.797	0.748	6.1	96	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35 S	Dibromofluoromethane	0.339	0.352	-3.8	104	0.00
36 T	1,1-Dichloropropene	0.402	0.360	10.4	92	0.00
37 T	Ethyl Acetate	0.488	0.486	0.4	96	0.00
38 T	Carbon Tetrachloride	0.444	0.405	8.8	91	0.00
39 T	Methylcyclohexane	0.499	0.481	3.6	94	0.00
40 TM	Benzene	1.341	1.280	4.5	94	0.00
41 T	Methacrylonitrile	0.256	0.259	-1.2	95	0.00
42 TM	1,2-Dichloroethane	0.482	0.451	6.4	91	0.00
43 T	Isopropyl Acetate	0.807	0.777	3.7	93	0.00
44 TM	Trichloroethene	0.333	0.323	3.0	95	0.00
45 C	1,2-Dichloropropane	0.330	0.318	3.6#	94	0.00
46 T	Dibromomethane	0.254	0.248	2.4	95	0.00
47 T	Bromodichloromethane	0.446	0.457	-2.5	95	0.00
48 T	Methyl methacrylate	0.383	0.376	1.8	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043610.D
 Acq On : 30 Oct 2024 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	0.008	0.007	12.5	79	0.00
50 S	Toluene-d8	1.174	1.213	-3.3	103	0.00
51 T	4-Methyl-2-Pentanone	0.492	0.488	0.8	92	0.00
52 CM	Toluene	0.813	0.812	0.1#	96	0.00
53 T	t-1,3-Dichloropropene	0.479	0.489	-2.1	95	0.00
54 T	cis-1,3-Dichloropropene	0.510	0.524	-2.7	96	0.00
55 T	1,1,2-Trichloroethane	0.339	0.347	-2.4	97	0.00
56 T	Ethyl methacrylate	0.550	0.556	-1.1	94	0.00
57 T	1,3-Dichloropropane	0.563	0.565	-0.4	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.288	-8.3	107	0.00
59 T	2-Hexanone	0.374	0.373	0.3	93	0.00
60 T	Dibromochloromethane	0.335	0.357	-6.6	97	0.00
61 T	1,2-Dibromoethane	0.351	0.354	-0.9	96	0.00
62 S	4-Bromofluorobenzene	0.435	0.462	-6.2	103	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64 T	Tetrachloroethene	0.314	0.299	4.8	97	0.00
65 PM	Chlorobenzene	1.076	1.032	4.1	96	0.00
66 T	1,1,1,2-Tetrachloroethane	0.351	0.354	-0.9	96	0.00
67 C	Ethyl Benzene	1.754	1.649	6.0#	93	0.00
68 T	m/p-Xylenes	0.671	0.654	2.5	95	0.00
69 T	o-Xylene	0.674	0.664	1.5	97	0.00
70 T	Styrene	1.120	1.140	-1.8	97	0.00
71 P	Bromoform	0.253	0.264	-4.3	96	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73 T	Isopropylbenzene	3.542	3.300	6.8	93	0.00
74 T	N-amyl acetate	1.725	1.578	8.5	90	0.00
75 P	1,1,2,2-Tetrachloroethane	1.274	1.220	4.2	95	0.00
76 T	1,2,3-Trichloropropane	1.069	0.989	7.5	93	0.00
77 T	Bromobenzene	0.915	0.889	2.8	97	0.00
78 T	n-propylbenzene	3.862	3.712	3.9	94	0.00
79 T	2-Chlorotoluene	2.561	2.365	7.7	95	0.00
80 T	1,3,5-Trimethylbenzene	2.953	2.791	5.5	93	0.00
81 T	trans-1,4-Dichloro-2-butene	0.389	0.383	1.5	92	0.00
82 T	4-Chlorotoluene	2.874	2.734	4.9	95	0.00
83 T	tert-Butylbenzene	3.003	2.818	6.2	93	0.00
84 T	1,2,4-Trimethylbenzene	3.010	2.912	3.3	95	0.00
85 T	sec-Butylbenzene	3.520	3.360	4.5	93	0.00
86 T	p-Isopropyltoluene	2.992	2.897	3.2	94	0.00
87 T	1,3-Dichlorobenzene	1.639	1.625	0.9	100	0.00
88 T	1,4-Dichlorobenzene	1.699	1.622	4.5	99	0.00
89 T	n-Butylbenzene	2.438	2.449	-0.5	94	0.00
90 T	Hexachloroethane	0.486	0.481	1.0	93	0.00
91 T	1,2-Dichlorobenzene	1.676	1.677	-0.1	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.260	0.246	5.4	89	0.00
93 T	1,2,4-Trichlorobenzene	1.017	1.063	-4.5	99	0.00
94 T	Hexachlorobutadiene	0.375	0.375	0.0	101	0.00
95 T	Naphthalene	3.893	3.988	-2.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
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	1.073	1.092	-1.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043610.D
 Acq On : 30 Oct 2024 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	50.000	44.596	10.8	95	0.00
3 P	Chloromethane	50.000	42.698	14.6	90	0.00
4 C	Vinyl Chloride	50.000	45.006	10.0#	91	0.00
5 T	Bromomethane	50.000	45.750	8.5	91	0.00
6 T	Chloroethane	50.000	45.446	9.1	91	0.00
7 T	Trichlorofluoromethane	50.000	45.021	10.0	90	0.00
8 T	Diethyl Ether	50.000	49.770	0.5	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.361	3.3	97	0.00
10 T	Methyl Iodide	50.000	47.890	4.2	93	0.00
11 T	Tert butyl alcohol	250.000	242.814	2.9	93	-0.04
12 CM	1,1-Dichloroethene	50.000	46.775	6.5#	94	0.00
13 T	Acrolein	250.000	211.927	15.2	91	0.00
14 T	Allyl chloride	50.000	47.217	5.6	92	0.00
15 T	Acrylonitrile	250.000	250.451	-0.2	97	0.00
16 T	Acetone	250.000	270.728	-8.3	111	0.00
17 T	Carbon Disulfide	50.000	42.711	14.6	85	0.00
18 T	Methyl Acetate	50.000	47.636	4.7	96	0.00
19 T	Methyl tert-butyl Ether	50.000	48.412	3.2	96	0.00
20 T	Methylene Chloride	50.000	46.641	6.7	97	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.169	5.7	96	0.00
22 T	Diisopropyl ether	50.000	47.745	4.5	94	0.00
23 T	Vinyl Acetate	250.000	248.394	0.6	94	0.00
24 P	1,1-Dichloroethane	50.000	46.726	6.5	93	0.00
25 T	2-Butanone	250.000	253.209	-1.3	98	0.00
26 T	2,2-Dichloropropane	50.000	47.410	5.2	97	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.522	1.0	98	0.00
28 T	Bromochloromethane	50.000	50.892	-1.8	106	0.00
29 T	Tetrahydrofuran	250.000	240.326	3.9	94	0.00
30 C	Chloroform	50.000	47.828	4.3#	96	0.00
31 T	Cyclohexane	50.000	45.259	9.5	92	0.00
32 T	1,1,1-Trichloroethane	50.000	45.714	8.6	90	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.889	6.2	96	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35 S	Dibromofluoromethane	50.000	51.966	-3.9	104	0.00
36 T	1,1-Dichloropropene	50.000	44.823	10.4	92	0.00
37 T	Ethyl Acetate	50.000	49.788	0.4	96	0.00
38 T	Carbon Tetrachloride	50.000	45.579	8.8	91	0.00
39 T	Methylcyclohexane	50.000	48.163	3.7	94	0.00
40 TM	Benzene	50.000	47.728	4.5	94	0.00
41 T	Methacrylonitrile	50.000	50.543	-1.1	95	0.00
42 TM	1,2-Dichloroethane	50.000	46.758	6.5	91	0.00
43 T	Isopropyl Acetate	50.000	48.146	3.7	93	0.00
44 TM	Trichloroethene	50.000	48.479	3.0	95	0.00
45 C	1,2-Dichloropropane	50.000	48.156	3.7#	94	0.00
46 T	Dibromomethane	50.000	48.673	2.7	95	0.00
47 T	Bromodichloromethane	50.000	51.242	-2.5	95	0.00
48 T	Methyl methacrylate	50.000	49.127	1.7	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043610.D
 Acq On : 30 Oct 2024 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	828.559	17.1	79	0.00
50 S	Toluene-d8	50.000	51.692	-3.4	103	0.00
51 T	4-Methyl-2-Pentanone	250.000	248.002	0.8	92	0.00
52 CM	Toluene	50.000	49.912	0.2#	96	0.00
53 T	t-1,3-Dichloropropene	50.000	50.985	-2.0	95	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.333	-2.7	96	0.00
55 T	1,1,2-Trichloroethane	50.000	51.241	-2.5	97	0.00
56 T	Ethyl methacrylate	50.000	50.517	-1.0	94	0.00
57 T	1,3-Dichloropropane	50.000	50.209	-0.4	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	269.768	-7.9	107	0.00
59 T	2-Hexanone	250.000	249.695	0.1	93	0.00
60 T	Dibromochloromethane	50.000	53.286	-6.6	97	0.00
61 T	1,2-Dibromoethane	50.000	50.325	-0.7	96	0.00
62 S	4-Bromofluorobenzene	50.000	53.067	-6.1	103	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64 T	Tetrachloroethene	50.000	47.505	5.0	97	0.00
65 PM	Chlorobenzene	50.000	47.976	4.0	96	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.433	-0.9	96	0.00
67 C	Ethyl Benzene	50.000	47.008	6.0#	93	0.00
68 T	m/p-Xylenes	100.000	97.427	2.6	95	0.00
69 T	o-Xylene	50.000	49.288	1.4	97	0.00
70 T	Styrene	50.000	50.882	-1.8	97	0.00
71 P	Bromoform	50.000	52.344	-4.7	96	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73 T	Isopropylbenzene	50.000	46.585	6.8	93	0.00
74 T	N-amyl acetate	50.000	45.729	8.5	90	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.900	4.2	95	0.00
76 T	1,2,3-Trichloropropane	50.000	46.254	7.5	93	0.00
77 T	Bromobenzene	50.000	48.616	2.8	97	0.00
78 T	n-propylbenzene	50.000	48.063	3.9	94	0.00
79 T	2-Chlorotoluene	50.000	46.169	7.7	95	0.00
80 T	1,3,5-Trimethylbenzene	50.000	47.262	5.5	93	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.216	1.6	92	0.00
82 T	4-Chlorotoluene	50.000	47.565	4.9	95	0.00
83 T	tert-Butylbenzene	50.000	46.916	6.2	93	0.00
84 T	1,2,4-Trimethylbenzene	50.000	48.385	3.2	95	0.00
85 T	sec-Butylbenzene	50.000	47.720	4.6	93	0.00
86 T	p-Isopropyltoluene	50.000	48.414	3.2	94	0.00
87 T	1,3-Dichlorobenzene	50.000	49.579	0.8	100	0.00
88 T	1,4-Dichlorobenzene	50.000	47.762	4.5	99	0.00
89 T	n-Butylbenzene	50.000	50.210	-0.4	94	0.00
90 T	Hexachloroethane	50.000	49.441	1.1	93	0.00
91 T	1,2-Dichlorobenzene	50.000	50.031	-0.1	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.454	5.1	89	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.231	-4.5	99	0.00
94 T	Hexachlorobutadiene	50.000	49.928	0.1	101	0.00
95 T	Naphthalene	50.000	51.219	-2.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
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	50.894	-1.8	100	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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/30/2024 19:25

Lab File ID: VX043635.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.684	0.543	0.1	-20.5	50
Vinyl Chloride	0.634	0.564		-11.1	50
Bromomethane	0.259	0.219		-15.2	50
Chloroethane	0.223	0.211		-5.8	50
Trichlorofluoromethane	0.775	0.774		-0.1	50
1,1,2-Trichlorotrifluoroethane	0.524	0.512		-2.4	50
1,1-Dichloroethene	0.536	0.517		-3.6	50
Acetone	0.317	0.239		-24.5	50
Carbon Disulfide	1.120	0.960		-14.2	50
Methyl tert-butyl Ether	2.037	1.790		-12.1	50
Methylene Chloride	0.682	0.581		-14.9	50
trans-1,2-Dichloroethene	0.566	0.535		-5.5	50
1,1-Dichloroethane	1.101	0.987	0.1	-10.3	50
2-Butanone	0.462	0.385		-16.6	50
Carbon Tetrachloride	0.444	0.428		-3.7	50
cis-1,2-Dichloroethene	0.723	0.674		-6.8	50
Chloroform	1.154	1.034		-10.4	50
1,1,1-Trichloroethane	0.969	0.899		-7.2	50
Methylcyclohexane	0.499	0.480		-3.9	50
Benzene	1.341	1.267		-5.5	50
1,2-Dichloroethane	0.482	0.417		-13.6	50
Trichloroethene	0.333	0.330		-0.9	50
1,2-Dichloropropane	0.330	0.310		-6.2	50
Bromodichloromethane	0.446	0.419		-6	50
4-Methyl-2-Pentanone	0.492	0.448		-8.9	50
Toluene	0.813	0.799		-1.7	50
t-1,3-Dichloropropene	0.479	0.441		-8	50
cis-1,3-Dichloropropene	0.510	0.489		-4.2	50
1,1,2-Trichloroethane	0.339	0.325		-4	50
2-Hexanone	0.374	0.340		-9.1	50
Dibromochloromethane	0.335	0.331		-1.3	50
Tetrachloroethene	0.314	0.330		5	50
Chlorobenzene	1.076	1.030	0.3	-4.3	50
Ethyl Benzene	1.754	1.709		-2.6	50
m/p-Xylenes	0.671	0.675		0.6	50
o-Xylene	0.674	0.674		0	50
Styrene	1.120	1.139		1.6	50
Bromoform	0.253	0.252	0.1	-0.2	50

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/30/2024 19:25

Lab File ID: VX043635.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.542	3.515		-0.8	50
1,1,2,2-Tetrachloroethane	1.274	1.189	0.3	-6.6	50
1,3-Dichlorobenzene	1.639	1.596		-2.6	50
1,4-Dichlorobenzene	1.699	1.596		-6	50
1,2-Dichlorobenzene	1.676	1.655		-1.3	50
1,2-Dichloroethane-d4	0.797	0.669		-16.1	50
Dibromofluoromethane	0.339	0.326		-3.7	50
Toluene-d8	1.174	1.177		0.3	50
4-Bromofluorobenzene	0.435	0.419		-3.5	50

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043635.D
 Acq On : 30 Oct 2024 19:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 23:05:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	178240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	309741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	267658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130349	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	119154	41.925	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.840%
35) Dibromofluoromethane	5.385	113	101122	48.145	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.300%
50) Toluene-d8	8.647	98	364584	50.145	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.280%
62) 4-Bromofluorobenzene	11.079	95	129928	48.226	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.460%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	79275	41.589	ug/l	99
3) Chloromethane	1.294	50	96812	39.732	ug/l	99
4) Vinyl Chloride	1.374	62	100526	44.452	ug/l	97
5) Bromomethane	1.593	94	39084	42.395	ug/l	98
6) Chloroethane	1.660	64	37538	47.116	ug/l	99
7) Trichlorofluoromethane	1.861	101	137983	49.946	ug/l	99
8) Diethyl Ether	2.136	74	58194	45.591	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	91191	48.808	ug/l	97
10) Methyl Iodide	2.441	142	127844	47.361	ug/l	95
11) Tert butyl alcohol	3.014	59	103782	195.641	ug/l #	100
12) 1,1-Dichloroethene	2.307	96	92067	48.221	ug/l	91
13) Acrolein	2.239	56	81147	195.607	ug/l	97
14) Allyl chloride	2.654	41	146465	44.352	ug/l	94
15) Acrylonitrile	3.069	53	263576	220.072	ug/l	99
16) Acetone	2.392	43	213080	188.800	ug/l	97
17) Carbon Disulfide	2.502	76	171185	42.877	ug/l	98
18) Methyl Acetate	2.709	43	135378	41.043	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	319117	43.949	ug/l	97
20) Methylene Chloride	2.782	84	103475	42.541	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	95349	47.270	ug/l	94
22) Diisopropyl ether	3.764	45	300353	44.002	ug/l	92
23) Vinyl Acetate	3.721	43	1249182	221.516	ug/l	99
24) 1,1-Dichloroethane	3.605	63	175913	44.839	ug/l	98
25) 2-Butanone	4.562	43	343103	208.407	ug/l	94
26) 2,2-Dichloropropane	4.471	77	128379	39.976	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	120050	46.591	ug/l	95
28) Bromochloromethane	4.891	49	81637	43.742	ug/l	93
29) Tetrahydrofuran	5.007	42	224202	209.558	ug/l	96
30) Chloroform	5.086	83	184309	44.816	ug/l	96
31) Cyclohexane	5.458	56	136826	45.598	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	160242	46.410	ug/l	98
36) 1,1-Dichloropropene	5.684	75	117552	47.200	ug/l	97
37) Ethyl Acetate	4.715	43	133728	44.228	ug/l	98
38) Carbon Tetrachloride	5.672	117	132473	48.140	ug/l	99
39) Methylcyclohexane	7.379	83	148577	48.050	ug/l	95
40) Benzene	6.031	78	392480	47.238	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043635.D
 Acq On : 30 Oct 2024 19:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 23:05:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	73728	46.454	ug/l	96
42) 1,2-Dichloroethane	6.080	62	129043	43.203	ug/l	97
43) Isopropyl Acetate	6.342	43	220004	43.998	ug/l	98
44) Trichloroethene	7.123	130	102297	49.561	ug/l	93
45) 1,2-Dichloropropane	7.421	63	95978	46.915	ug/l	99
46) Dibromomethane	7.580	93	70976	45.058	ug/l	94
47) Bromodichloromethane	7.818	83	129855	46.992	ug/l	98
48) Methyl methacrylate	7.696	41	107340	45.277	ug/l	95
49) 1,4-Dioxane	7.671	88	51867	1064.890	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	693837	227.662	ug/l	97
52) Toluene	8.714	92	247578	49.134	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	136565	46.012	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	151502	47.908	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	100639	47.983	ug/l	99
56) Ethyl methacrylate	9.116	69	161195	47.299	ug/l	93
57) 1,3-Dichloropropane	9.305	76	164980	47.294	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	376649	228.196	ug/l	96
59) 2-Hexanone	9.433	43	526010	227.247	ug/l	96
60) Dibromochloromethane	9.519	129	102501	49.353	ug/l	99
61) 1,2-Dibromoethane	9.610	107	104203	47.860	ug/l	97
64) Tetrachloroethene	9.269	164	88371	52.495	ug/l	91
65) Chlorobenzene	10.079	112	275636	47.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	95145	50.585	ug/l	98
67) Ethyl Benzene	10.195	91	457507	48.724	ug/l	100
68) m/p-Xylenes	10.299	106	361281	100.611	ug/l	95
69) o-Xylene	10.640	106	180468	50.021	ug/l	98
70) Styrene	10.653	104	304770	50.824	ug/l	99
71) Bromoform	10.799	173	67510	49.919	ug/l #	97
73) Isopropylbenzene	10.963	105	458206	49.624	ug/l	100
74) N-amyl acetate	10.842	43	204963	45.567	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	154974	46.675	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	122978m	44.125	ug/l	
77) Bromobenzene	11.195	156	114236	47.913	ug/l	97
78) n-propylbenzene	11.305	91	506292	50.290	ug/l	98
79) 2-Chlorotoluene	11.366	91	312933	46.876	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	381288	49.526	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	46497	45.896	ug/l	93
82) 4-Chlorotoluene	11.451	91	357029	47.649	ug/l	96
83) tert-Butylbenzene	11.713	119	393454	50.251	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	387269	49.359	ug/l	96
85) sec-Butylbenzene	11.890	105	470486	51.265	ug/l	98
86) p-Isopropyltoluene	12.006	119	403373	51.708	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	208079	48.692	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	208065	46.988	ug/l	99
89) n-Butylbenzene	12.329	91	332343	52.283	ug/l	100
90) Hexachloroethane	12.536	117	65193	51.448	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	215706	49.363	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	30578	45.175	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	133572	50.359	ug/l	99
94) Hexachlorobutadiene	13.725	225	50067	51.196	ug/l	99
95) Naphthalene	13.774	128	498265	49.090	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	137595	49.201	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

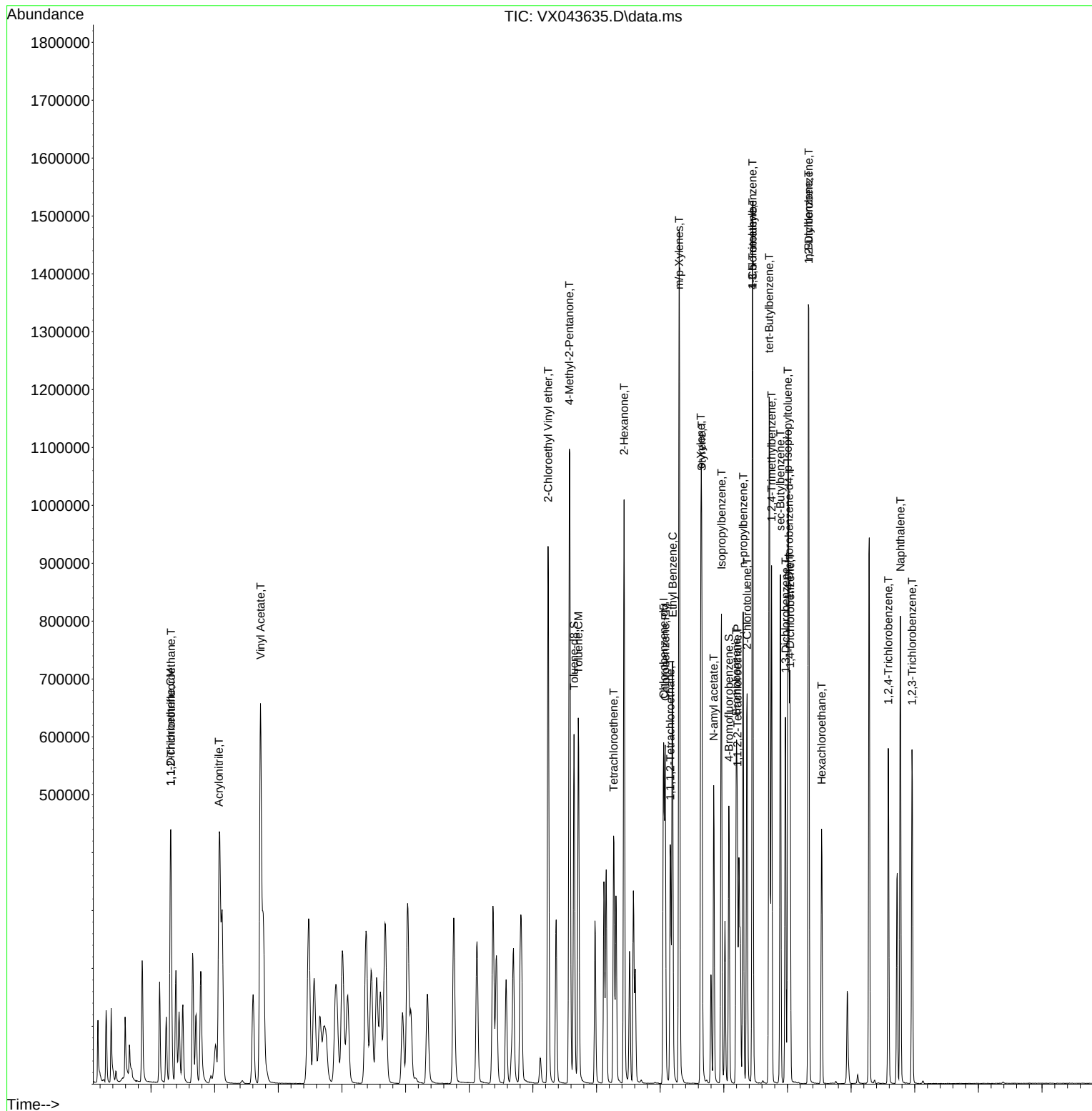
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

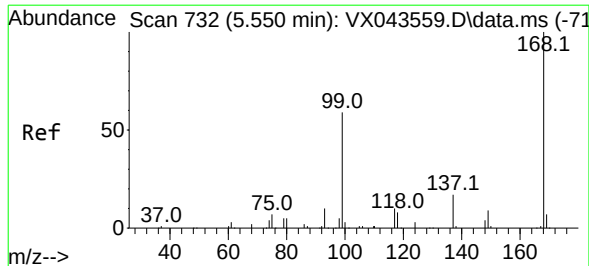
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration





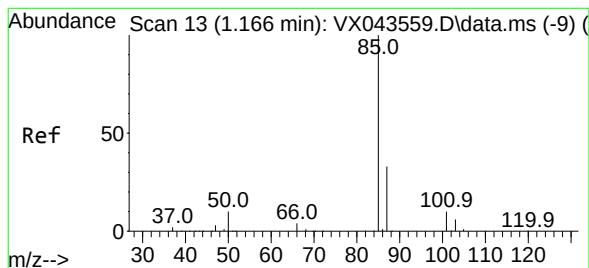
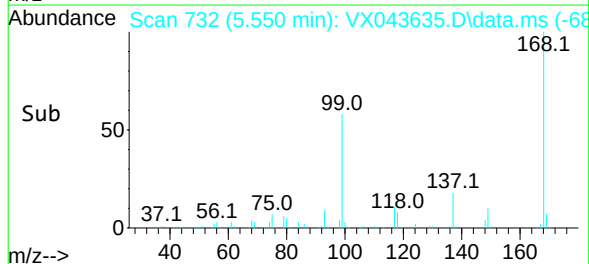
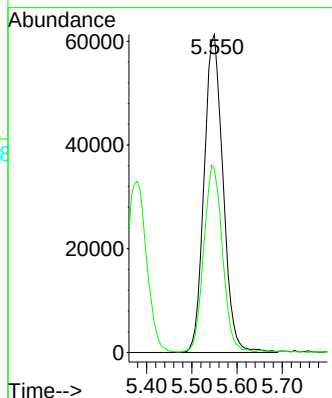
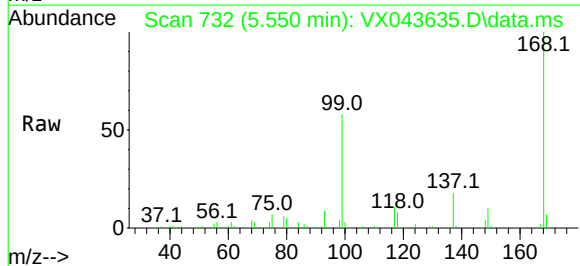
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 168 Resp: 178240
Ion Ratio Lower Upper
168 100
99 57.4 52.6 78.8

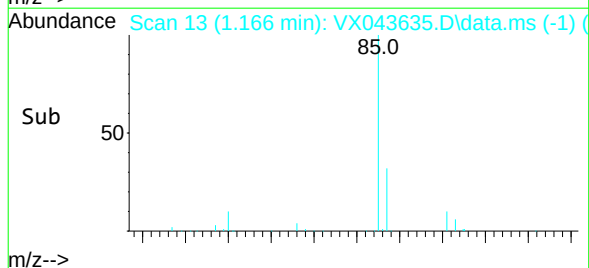
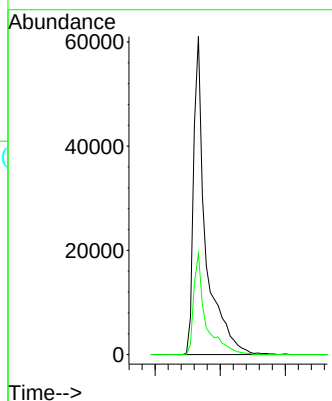
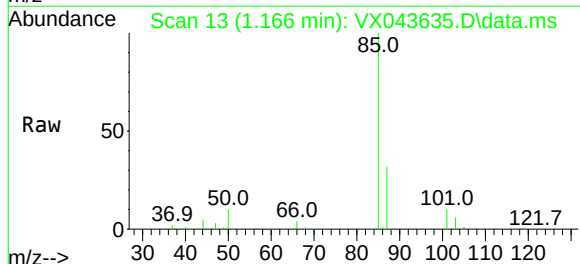
Manual Integrations
APPROVED

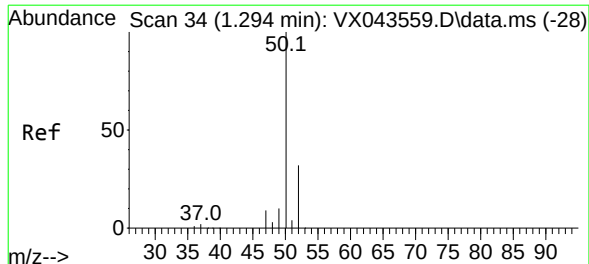
Reviewed By : Semsettin Yesilyurt 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#2
Dichlorodifluoromethane
Concen: 41.589 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 85 Resp: 79275
Ion Ratio Lower Upper
85 100
87 31.9 15.7 47.0





#3

Chloromethane

Concen: 39.732 ug/l

RT: 1.294 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 96812

Ion Ratio Lower Upper

50 100

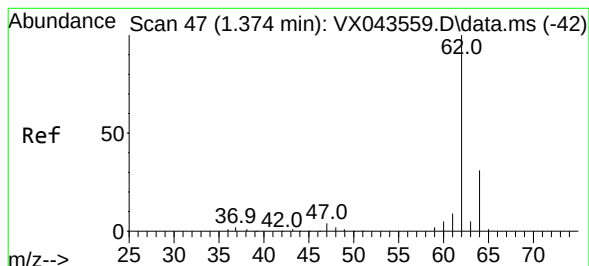
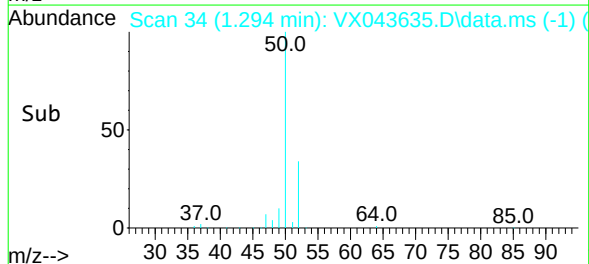
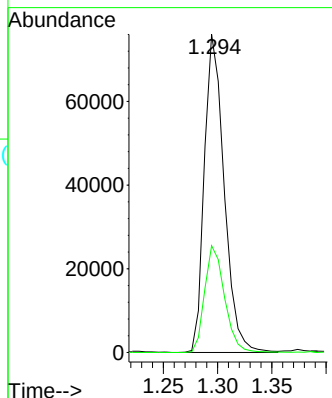
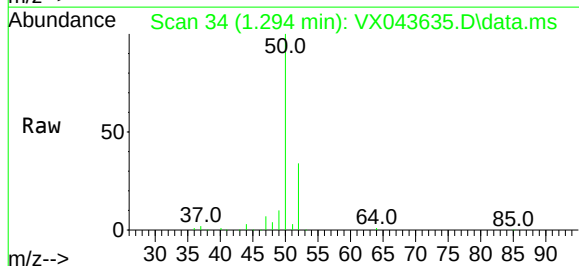
52 33.6 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#4

Vinyl Chloride

Concen: 44.452 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX043635.D

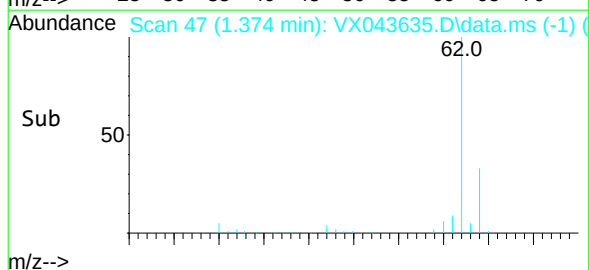
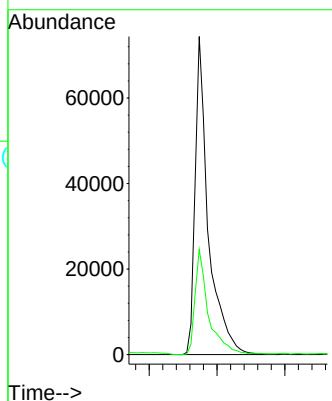
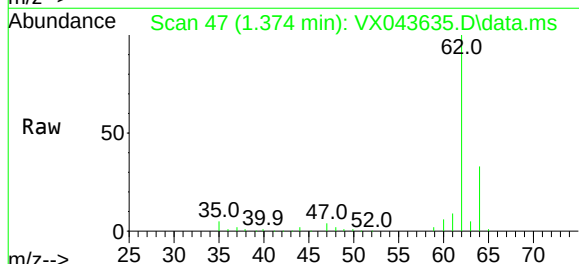
Acq: 30 Oct 2024 19:25

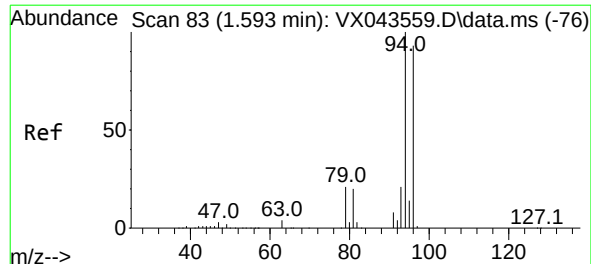
Tgt Ion: 62 Resp: 100526

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.4





#5

Bromomethane

Concen: 42.395 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 39084

Ion Ratio Lower Upper

94 100

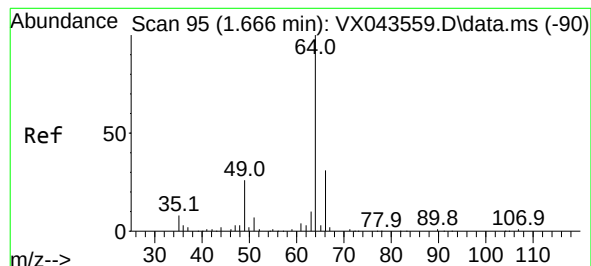
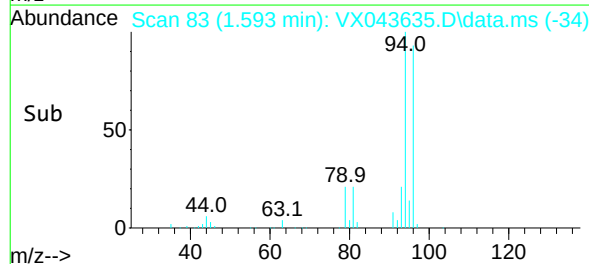
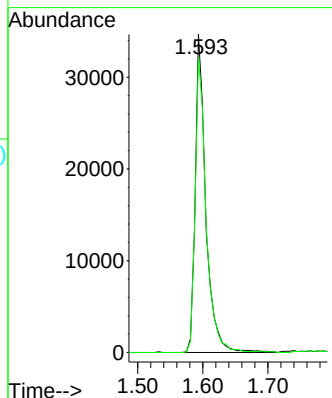
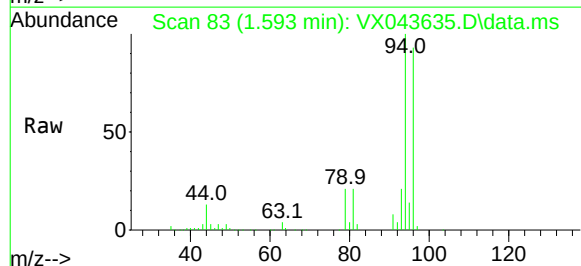
96 92.8 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#6

Chloroethane

Concen: 47.116 ug/l

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX043635.D

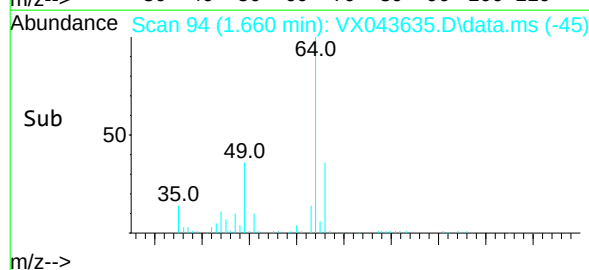
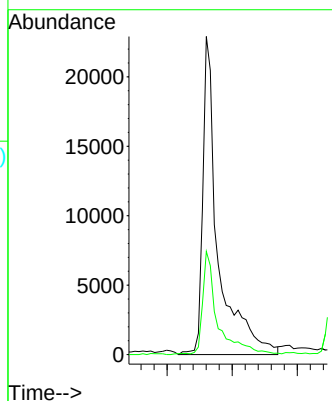
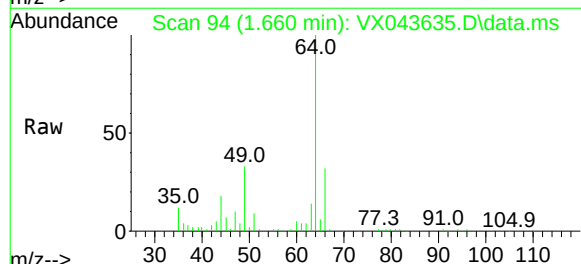
Acq: 30 Oct 2024 19:25

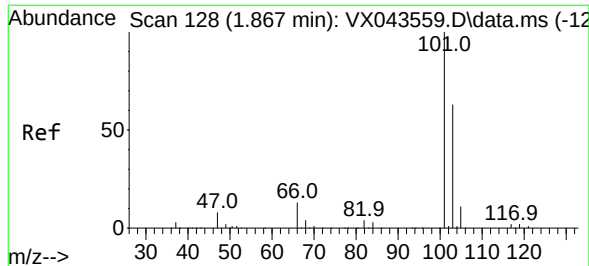
Tgt Ion: 64 Resp: 37538

Ion Ratio Lower Upper

64 100

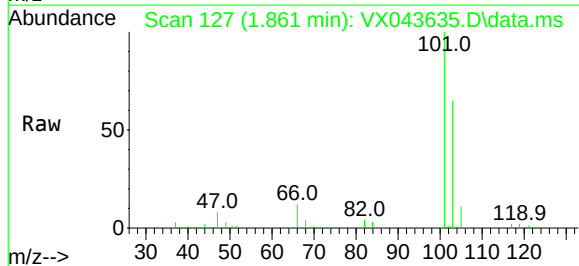
66 32.2 25.1 37.7





#7
Trichlorofluoromethane
Concen: 49.946 ug/l
RT: 1.861 min Scan# 128
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

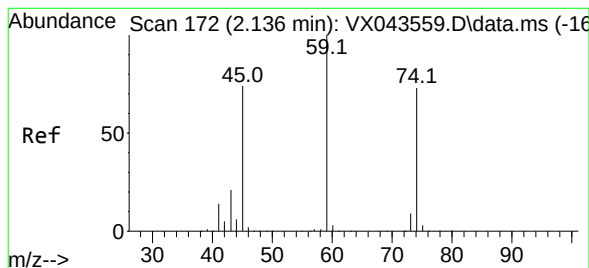
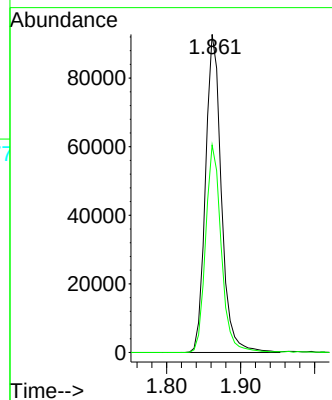
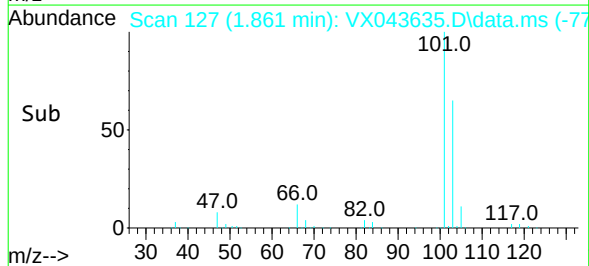
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 101 Resp: 137983
Ion Ratio Lower Upper
101 100
103 65.2 51.3 76.9

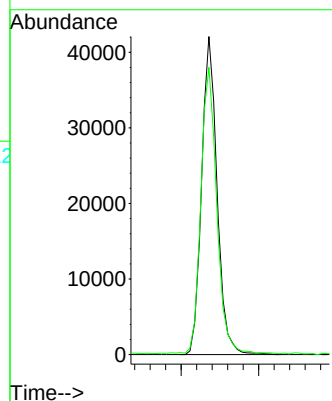
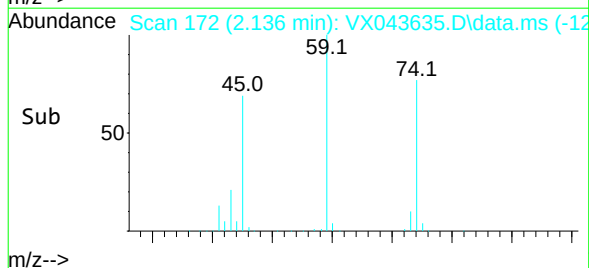
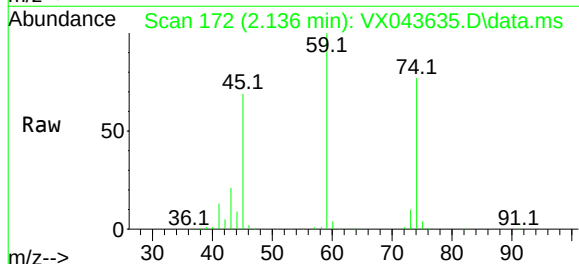
Manual Integrations
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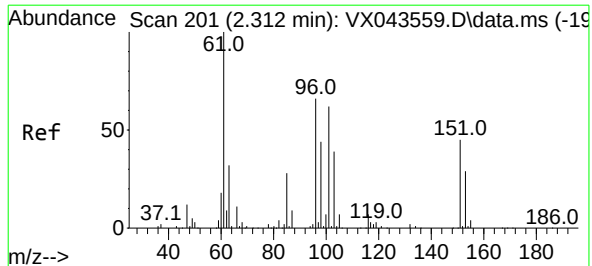
Reviewed By : Semsettin Yesilyurt 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#8
Diethyl Ether
Concen: 45.591 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

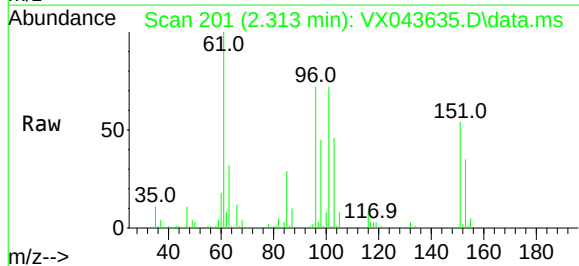
Tgt Ion: 74 Resp: 58194
Ion Ratio Lower Upper
74 100
45 91.9 47.5 142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.808 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

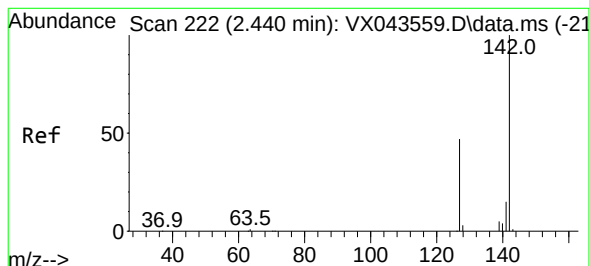
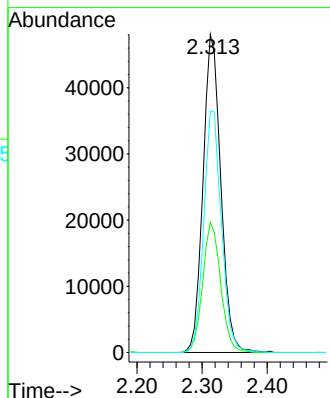
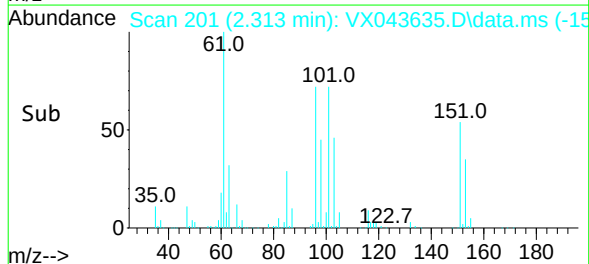
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.3	34.5	51.7
151	75.9	58.2	87.2

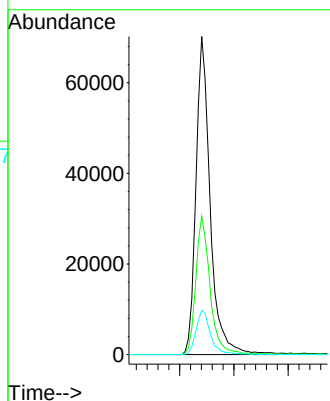
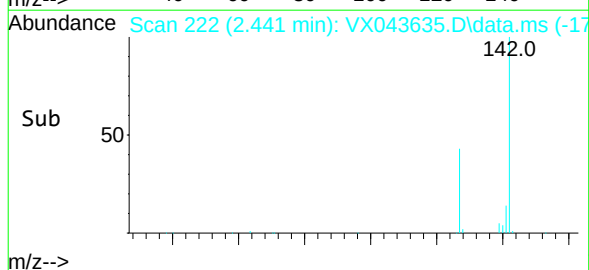
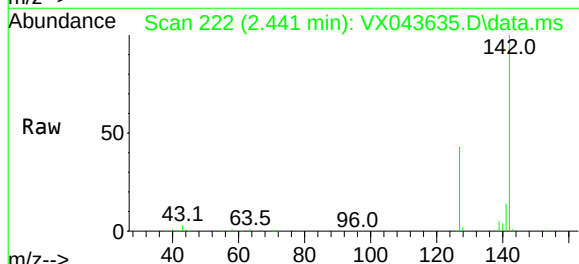
Manual Integrations
APPROVED

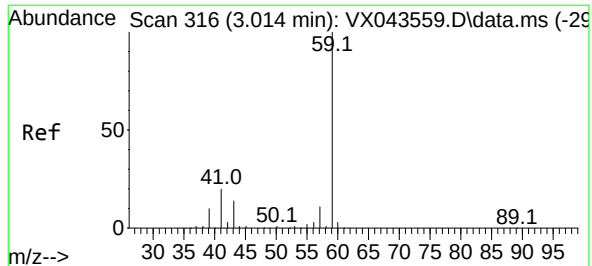
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#10
Methyl Iodide
Concen: 47.361 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.6	38.2	57.4
141	14.2	11.5	17.3





#11

Tert butyl alcohol

Concen: 195.641 ug/l

RT: 3.014 min Scan# 316

Delta R.T. -0.036 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 103782

Ion Ratio Lower Upper

59 100

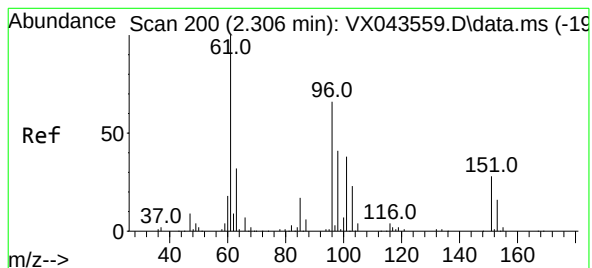
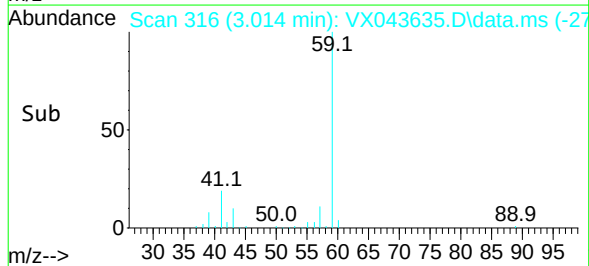
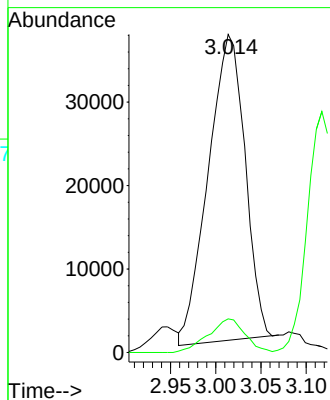
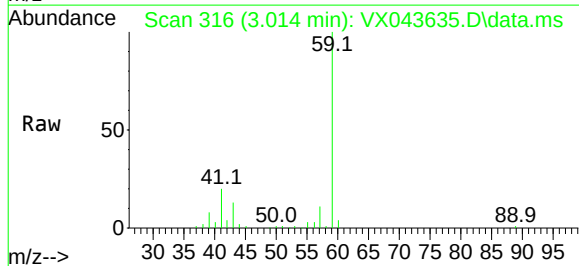
57 11.0 0.0 0.0#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#12

1,1-Dichloroethene

Concen: 48.221 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

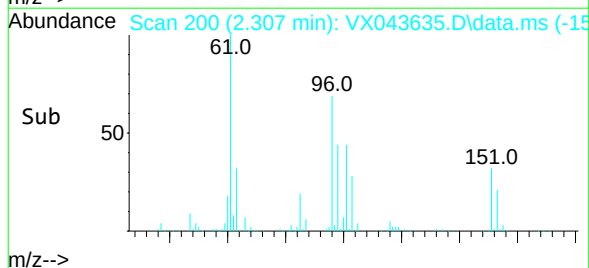
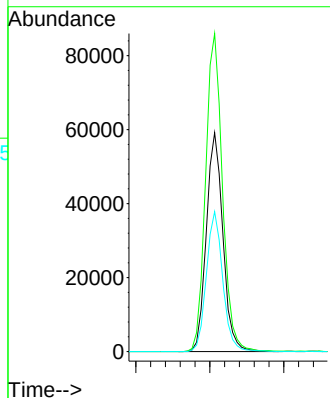
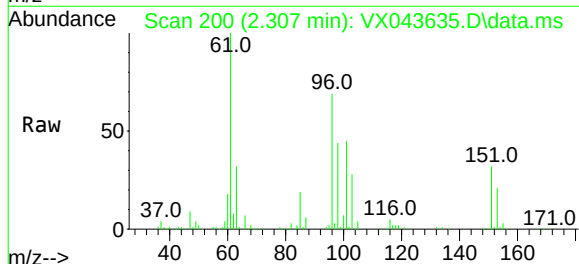
Tgt Ion: 96 Resp: 92067

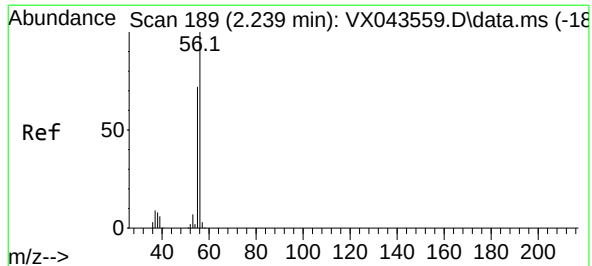
Ion Ratio Lower Upper

96 100

61 145.3 130.2 195.4

98 63.9 51.0 76.6





#13

Acrolein

Concen: 195.607 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 81147

Ion Ratio Lower Upper

56 100

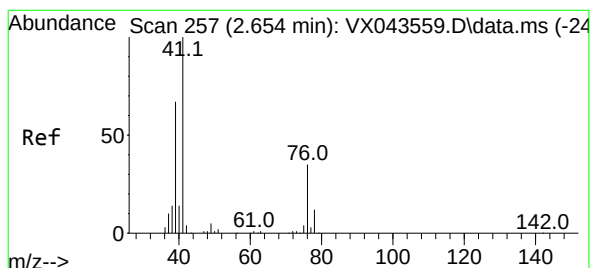
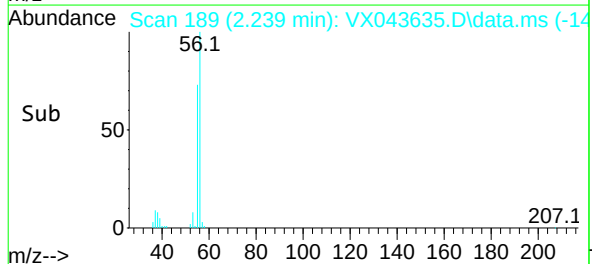
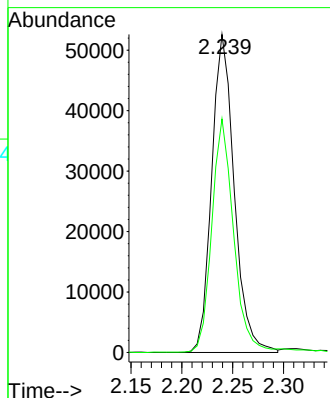
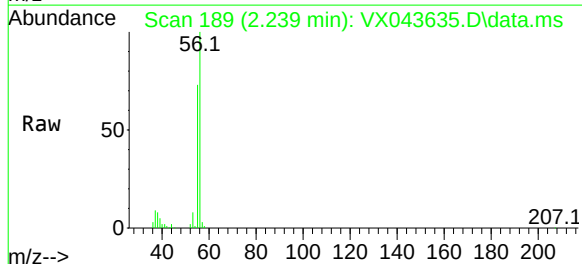
55 71.7 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#14

Allyl chloride

Concen: 44.352 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

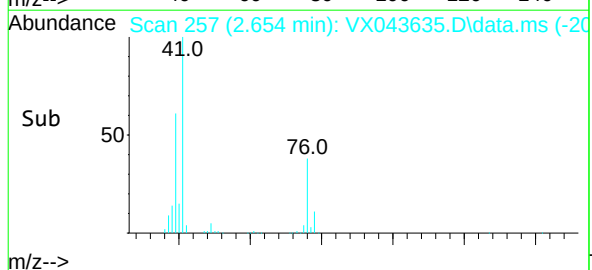
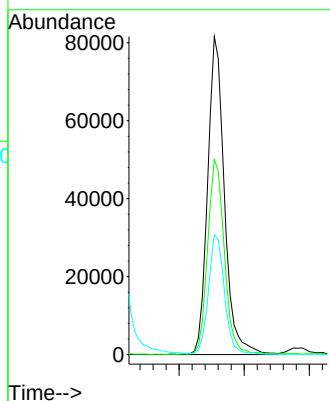
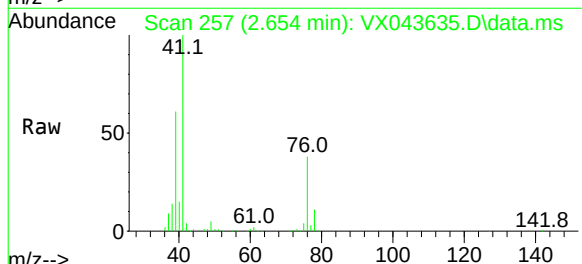
Tgt Ion: 41 Resp: 146465

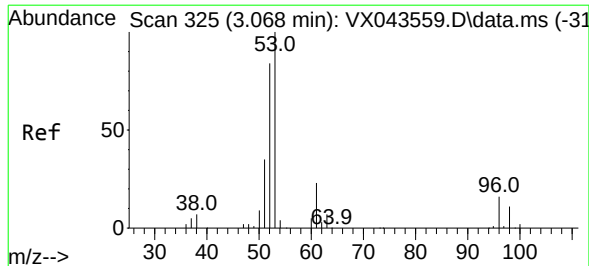
Ion Ratio Lower Upper

41 100

39 60.9 53.2 79.8

76 36.2 27.0 40.6





#15

Acrylonitrile

Concen: 220.072 ug/l

RT: 3.069 min Scan# 32

Delta R.T. -0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 263576

Ion Ratio Lower Upper

53 100

52 82.6 65.8 98.6

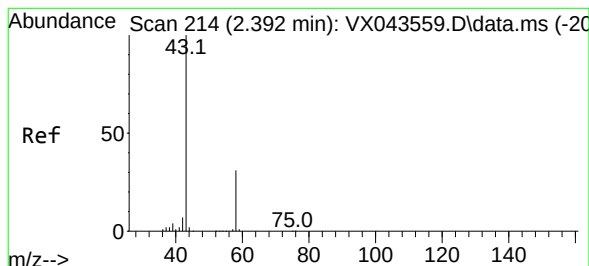
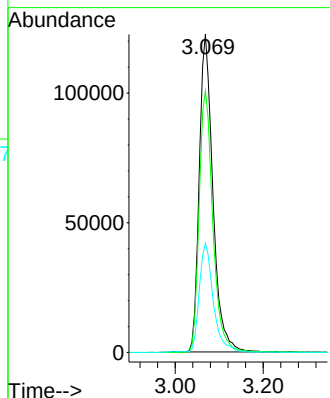
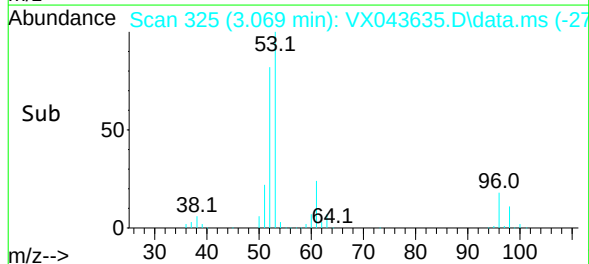
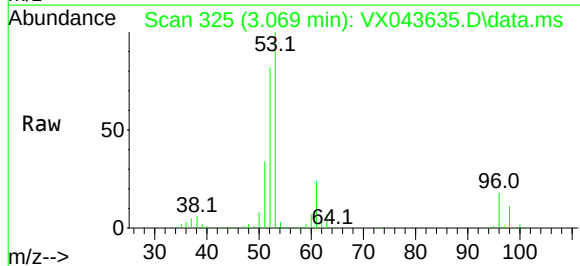
51 35.0 28.5 42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#16

Acetone

Concen: 188.800 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043635.D

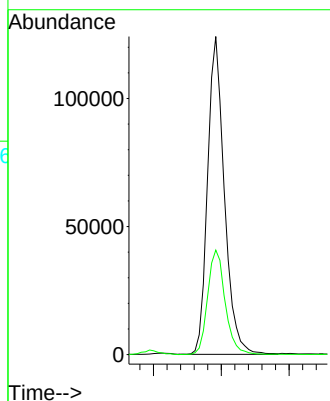
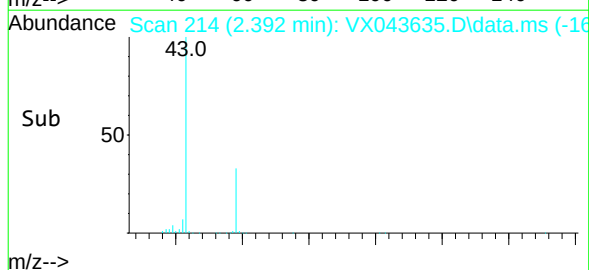
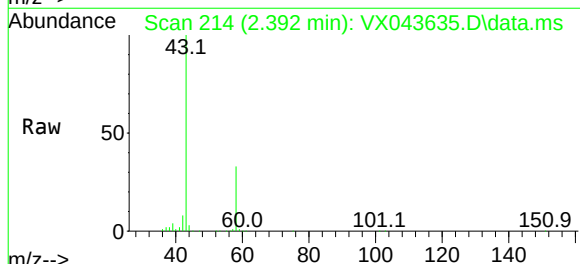
Acq: 30 Oct 2024 19:25

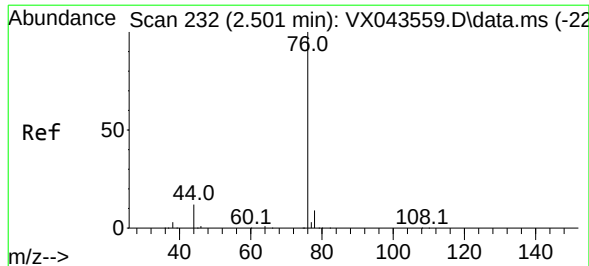
Tgt Ion: 43 Resp: 213080

Ion Ratio Lower Upper

43 100

58 32.9 25.1 37.7





#17

Carbon Disulfide

Concen: 42.877 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 171185

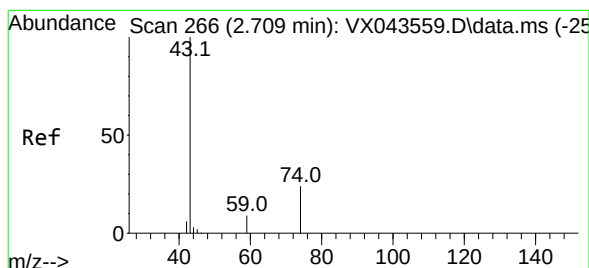
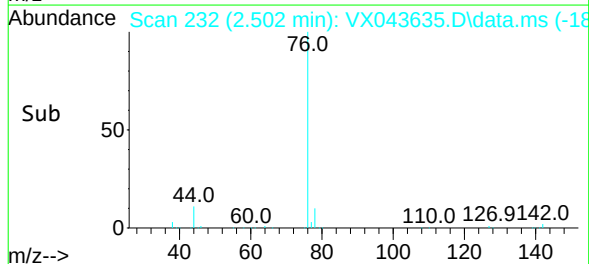
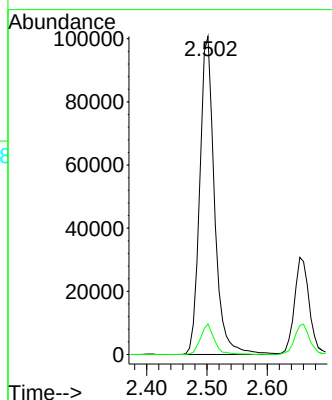
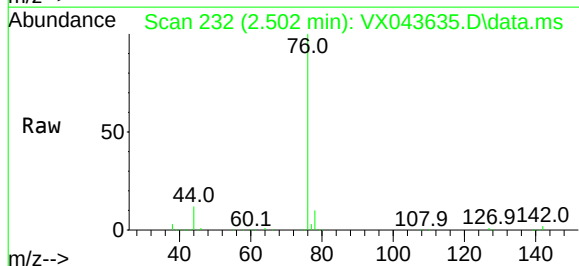
Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#18

Methyl Acetate

Concen: 41.043 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX043635.D

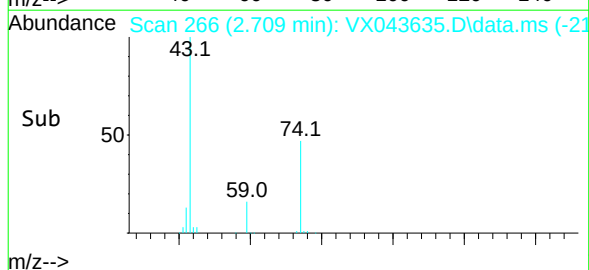
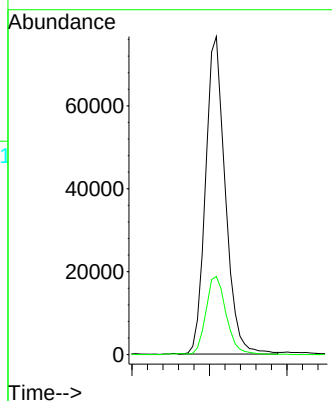
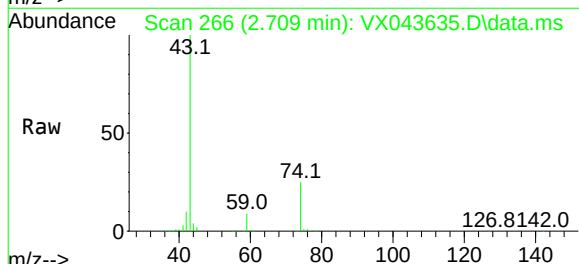
Acq: 30 Oct 2024 19:25

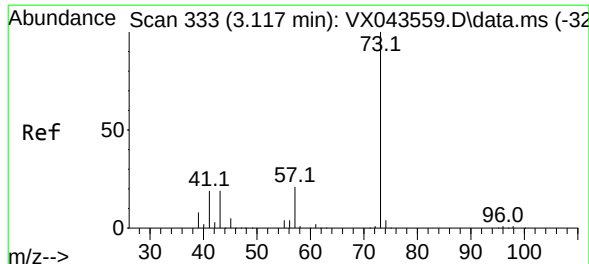
Tgt Ion: 43 Resp: 135378

Ion Ratio Lower Upper

43 100

74 25.7 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 43.949 ug/l

RT: 3.117 min Scan# 333

Delta R.T. -0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 319117

Ion Ratio Lower Upper

73 100

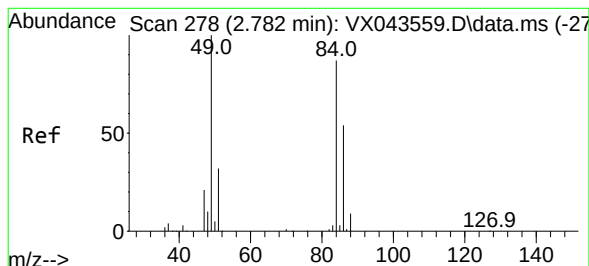
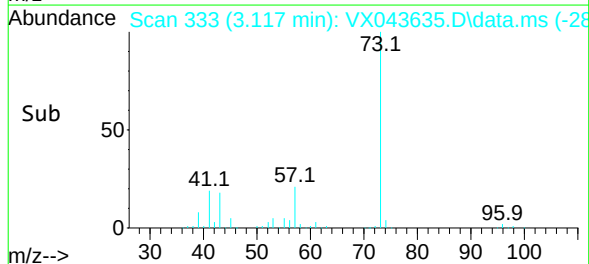
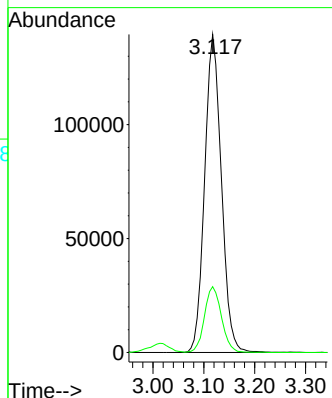
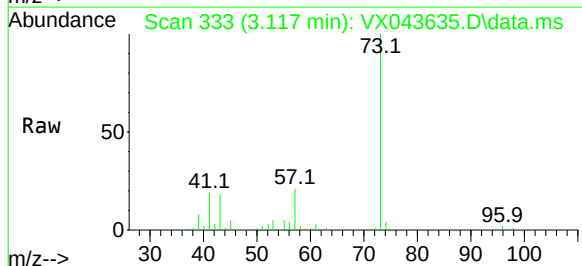
57 20.7 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#20

Methylene Chloride

Concen: 42.541 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Tgt Ion: 84 Resp: 103475

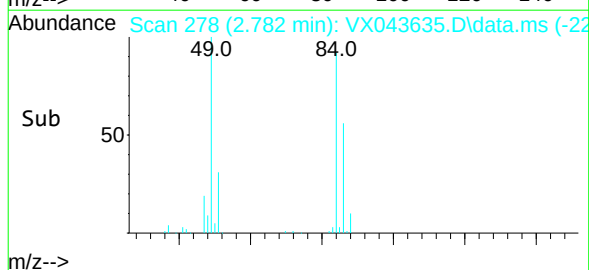
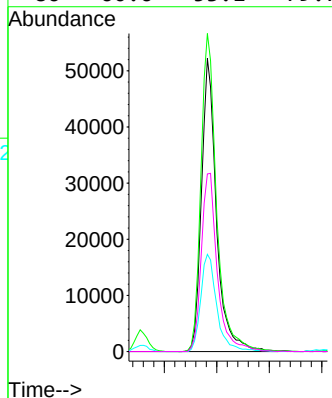
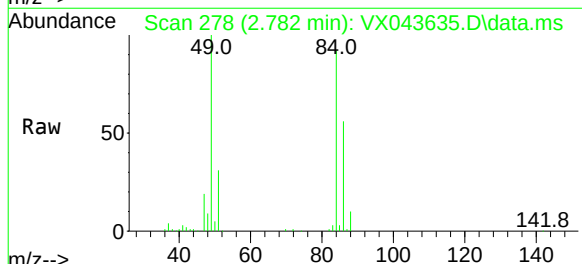
Ion Ratio Lower Upper

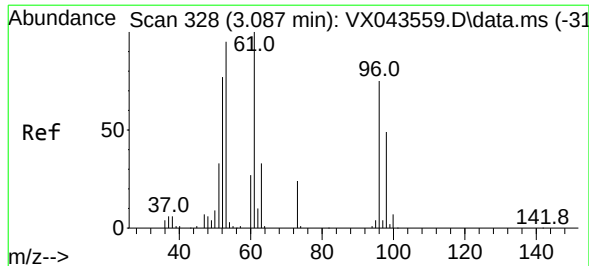
84 100

49 108.5 97.0 145.6

51 33.2 29.8 44.8

86 60.6 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 47.270 ug/l

RT: 3.087 min Scan# 328

Delta R.T. 0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 95349

Ion Ratio Lower Upper

96 100

61 123.8 107.1 160.7

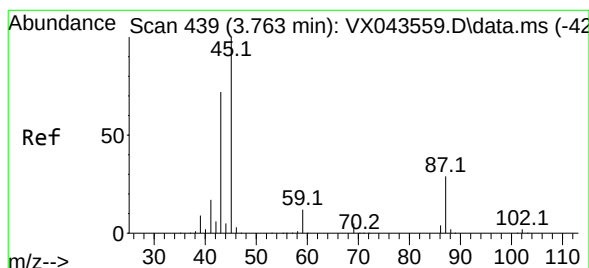
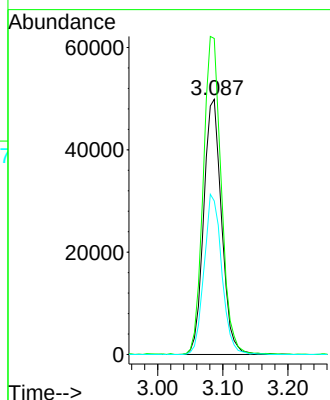
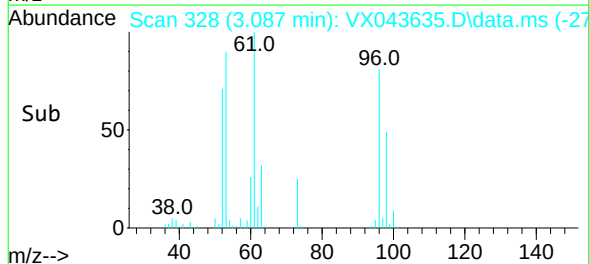
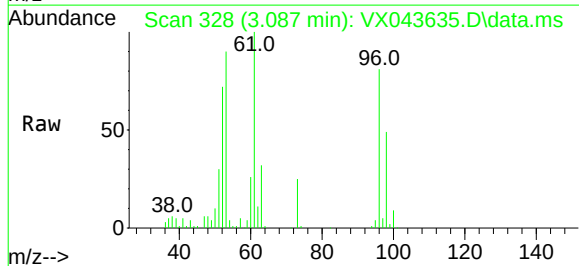
98 60.2 47.7 71.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#22

Diisopropyl ether

Concen: 44.002 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Tgt Ion: 45 Resp: 300353

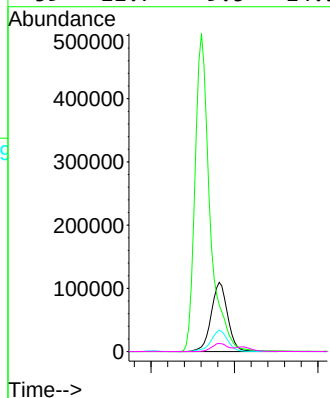
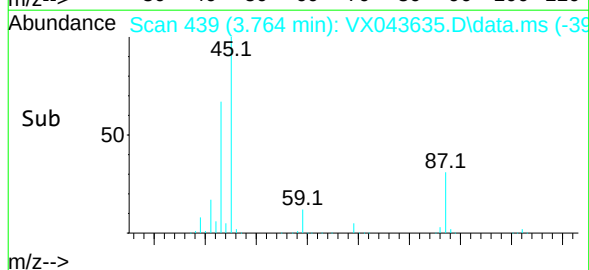
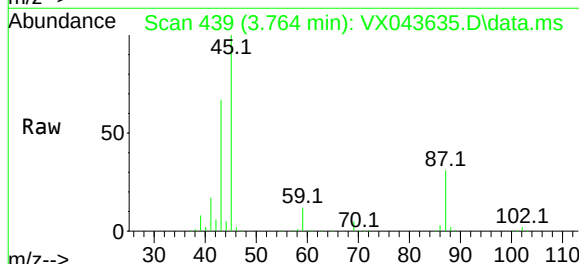
Ion Ratio Lower Upper

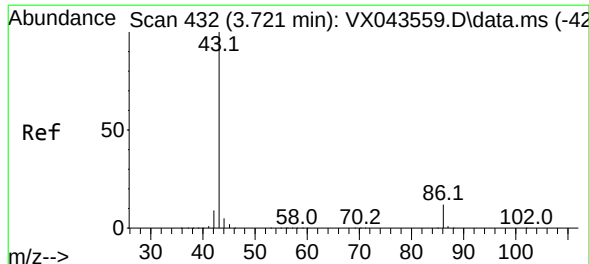
45 100

43 67.2 60.6 90.8

87 31.0 22.0 33.0

59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 221.516 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1249182

Ion Ratio Lower Upper

43 100

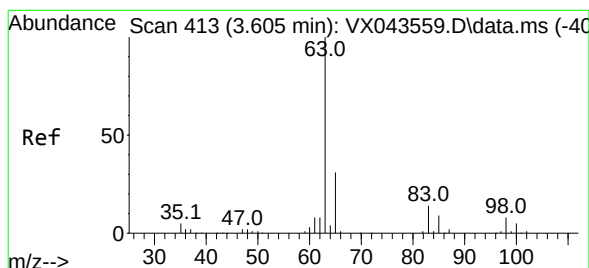
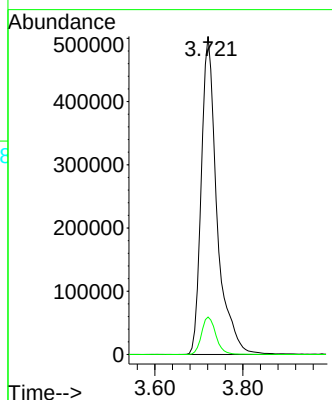
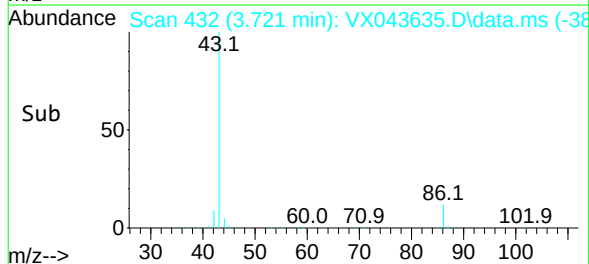
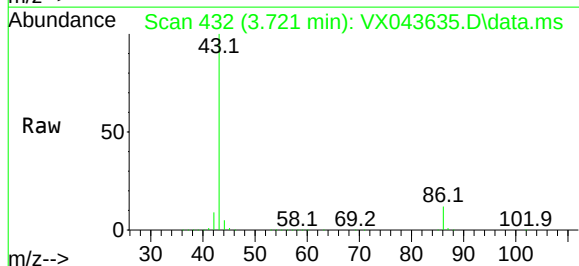
86 11.8 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#24

1,1-Dichloroethane

Concen: 44.839 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

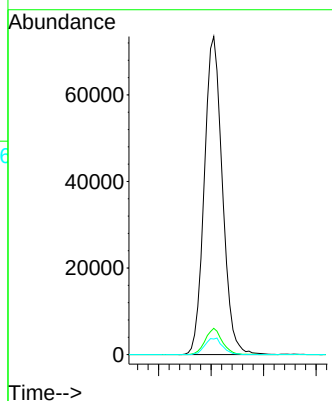
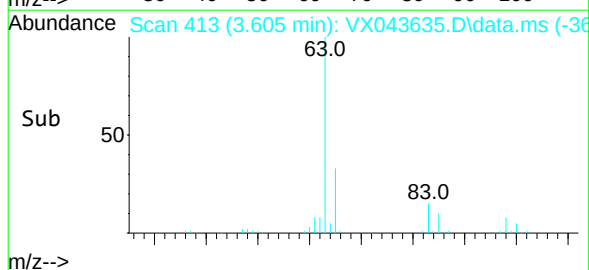
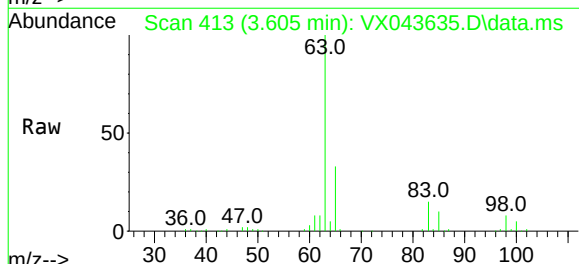
Tgt Ion: 63 Resp: 175913

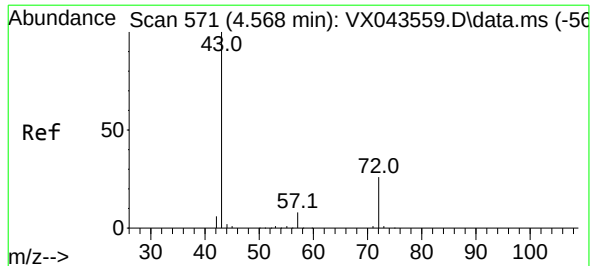
Ion Ratio Lower Upper

63 100

98 8.3 3.5 10.4

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 208.407 ug/l

RT: 4.562 min Scan# 571

Delta R.T. -0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 343103

Ion Ratio Lower Upper

43 100

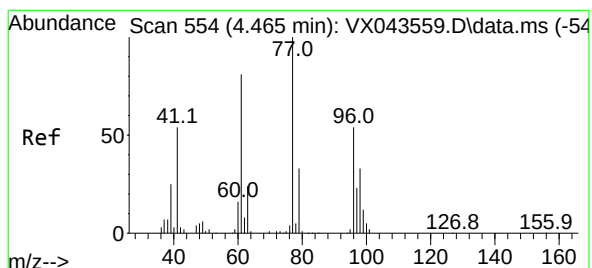
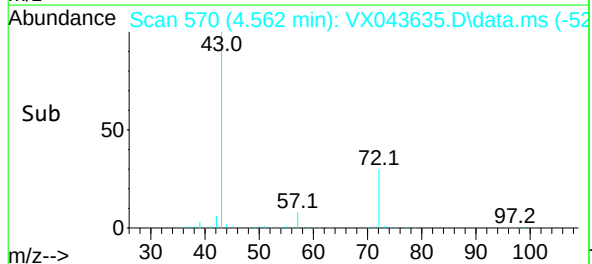
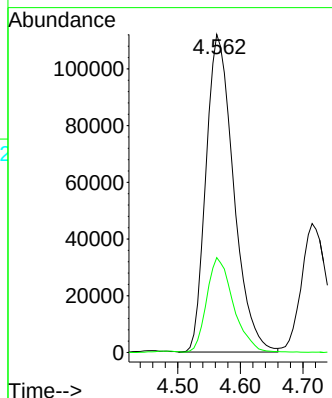
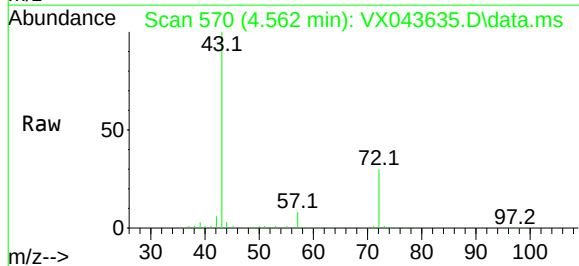
72 29.6 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#26

2,2-Dichloropropane

Concen: 39.976 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX043635.D

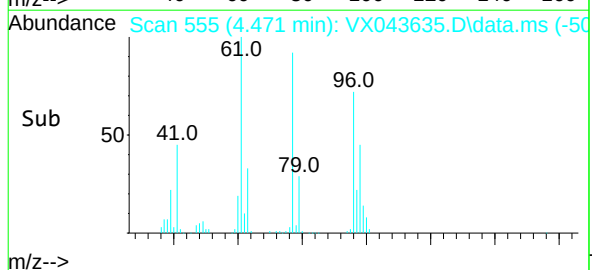
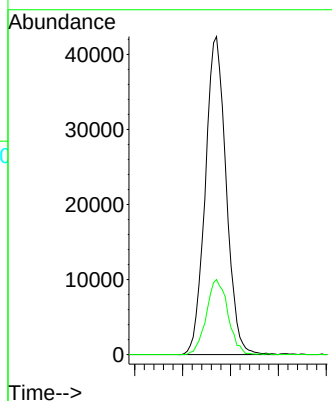
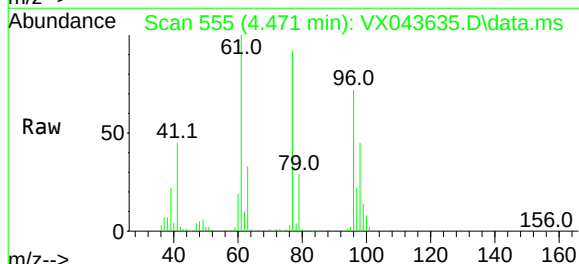
Acq: 30 Oct 2024 19:25

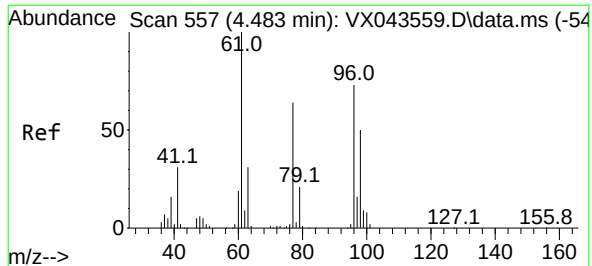
Tgt Ion: 77 Resp: 128379

Ion Ratio Lower Upper

77 100

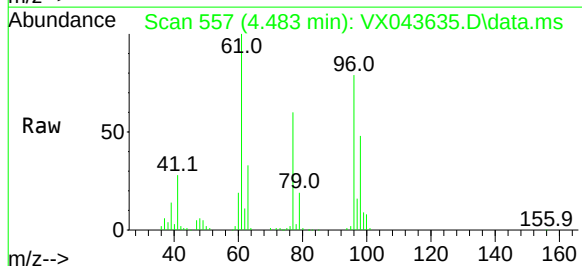
97 24.4 11.6 34.8





#27
cis-1,2-Dichloroethene
Concen: 46.591 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

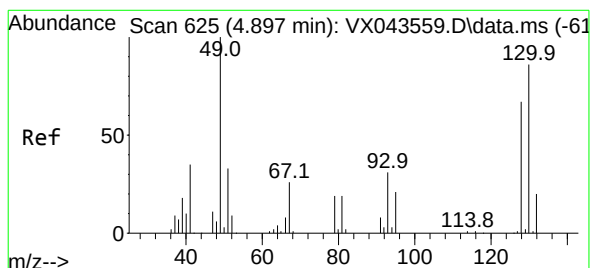
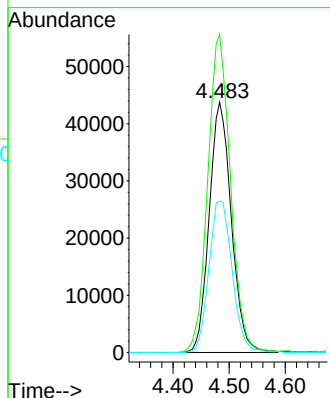
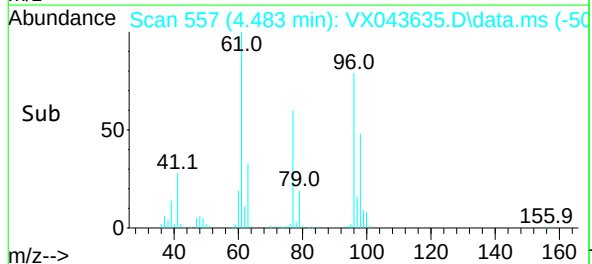
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 96 Resp: 120050
Ion Ratio Lower Upper
96 100
61 130.4 0.0 277.2
98 63.6 0.0 131.6

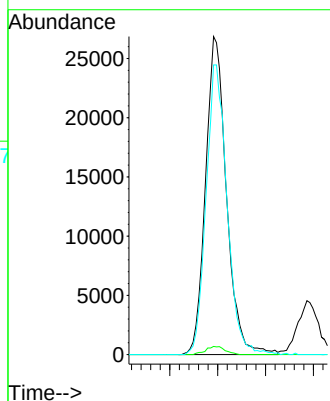
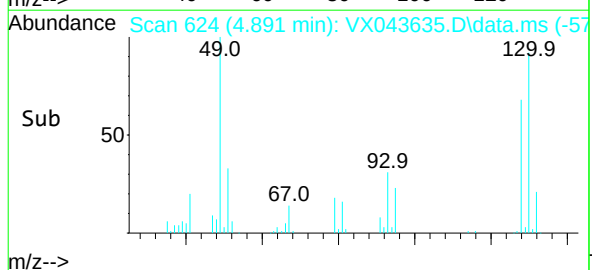
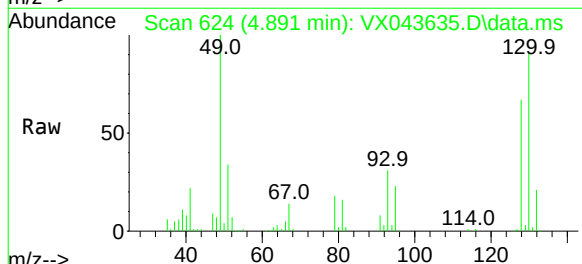
Manual Integrations
APPROVED

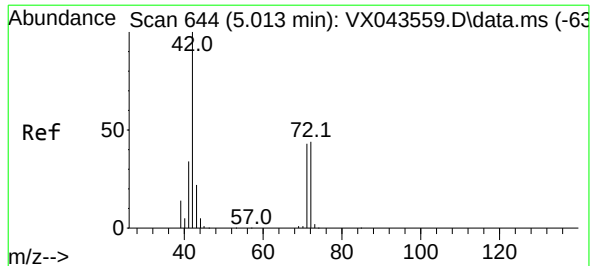
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#28
Bromochloromethane
Concen: 43.742 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 49 Resp: 81637
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.2
130 91.3 67.8 101.8





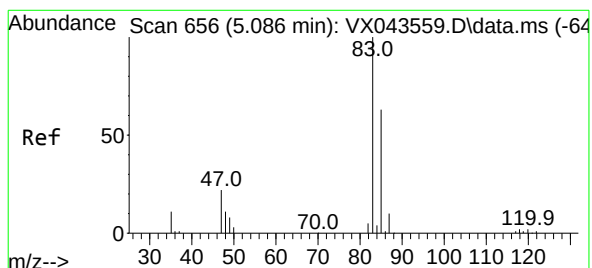
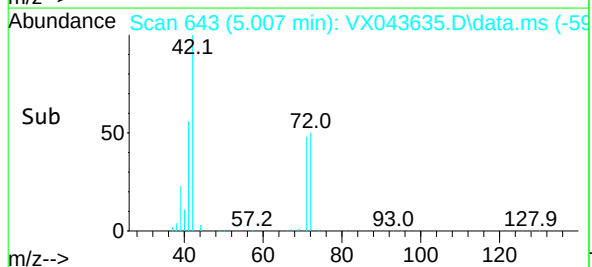
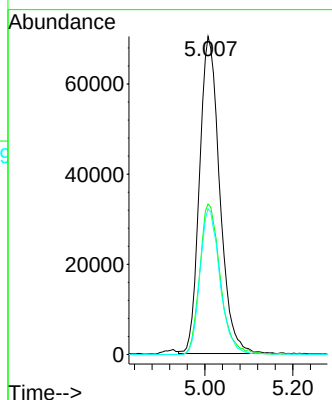
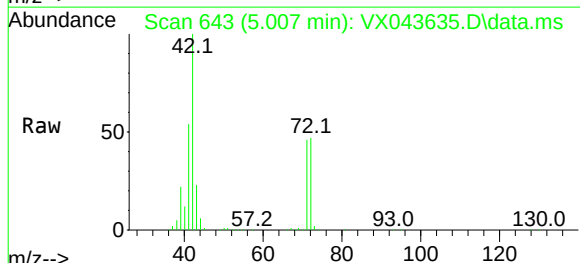
#29
Tetrahydrofuran
Concen: 209.558 ug/l
RT: 5.007 min Scan# 644
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 224202
Ion Ratio Lower Upper
42 100
72 48.4 36.6 55.0
71 45.3 34.2 51.4

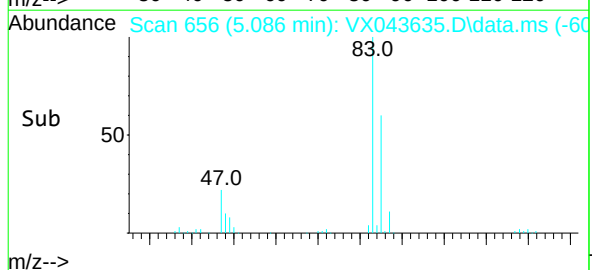
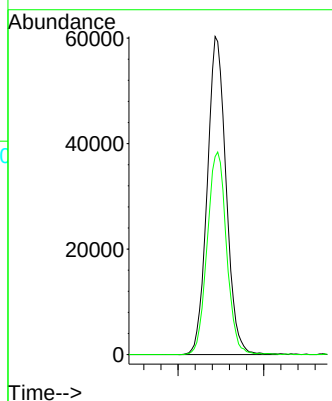
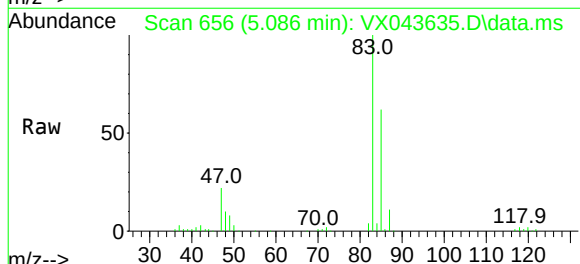
Manual Integrations
APPROVED

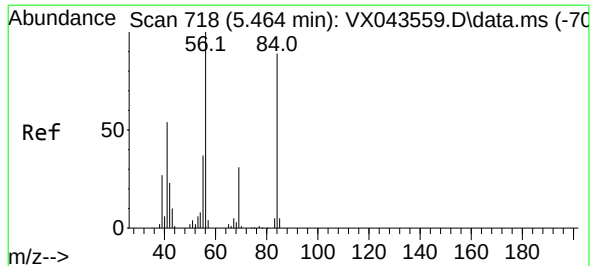
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#30
Chloroform
Concen: 44.816 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 83 Resp: 184309
Ion Ratio Lower Upper
83 100
85 62.2 52.2 78.4





#31

Cyclohexane

Concen: 45.598 ug/l

RT: 5.458 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 136826

Ion Ratio Lower Upper

56 100

69 31.8 24.9 37.3

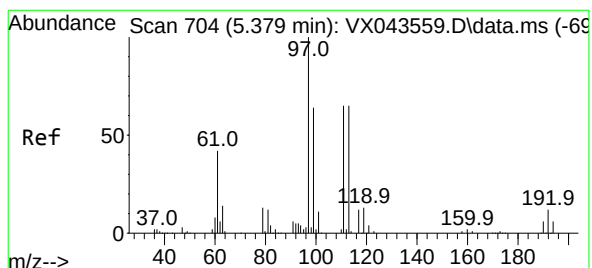
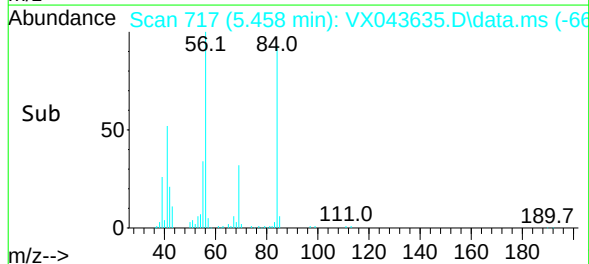
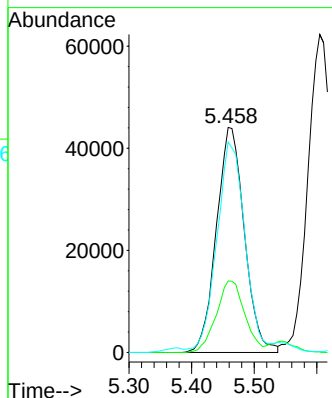
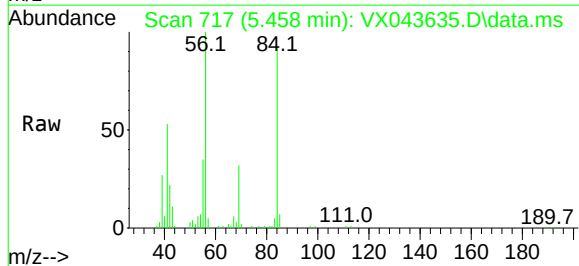
84 91.4 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#32

1,1,1-Trichloroethane

Concen: 46.410 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

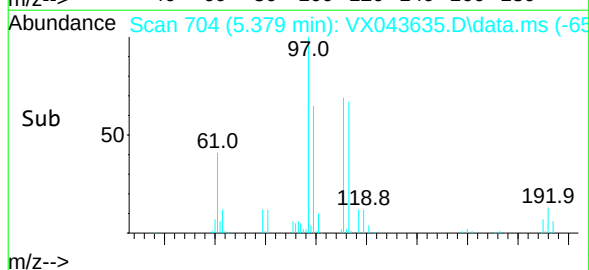
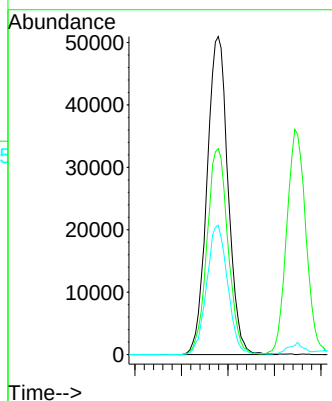
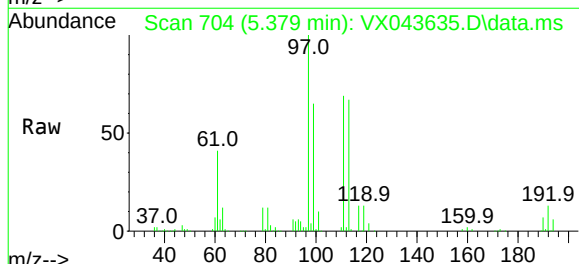
Tgt Ion: 97 Resp: 160242

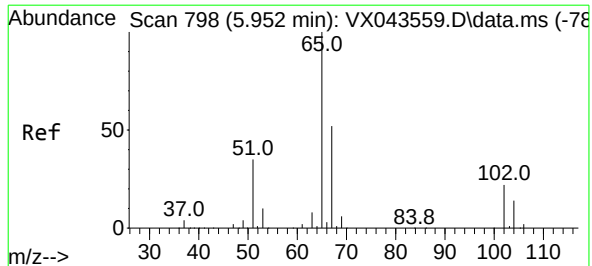
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 40.6 34.0 51.0





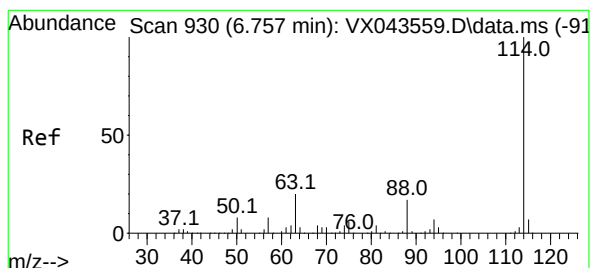
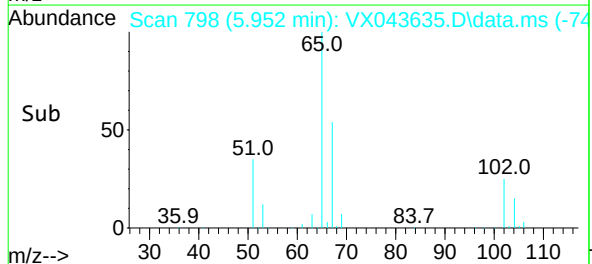
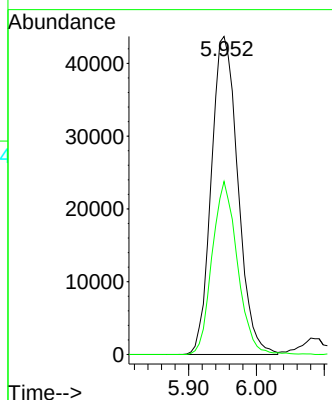
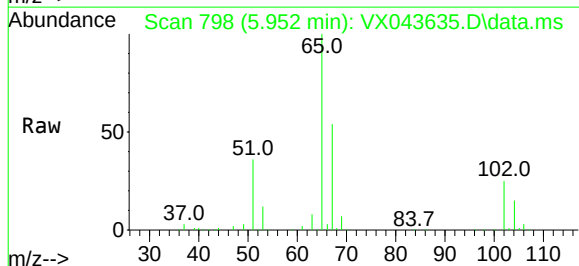
#33
1,2-Dichloroethane-d4
Concen: 41.925 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 119154
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4

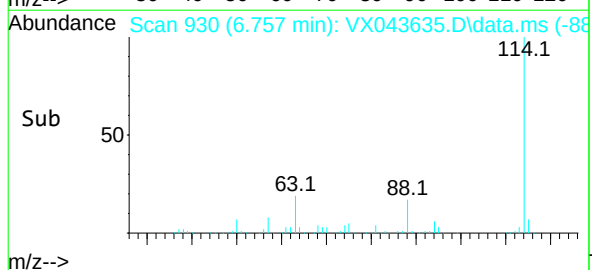
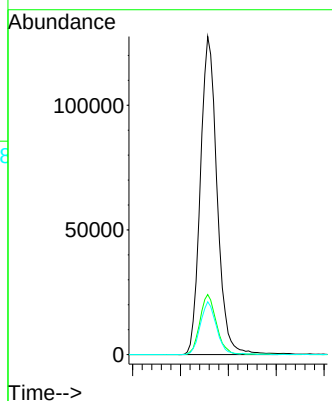
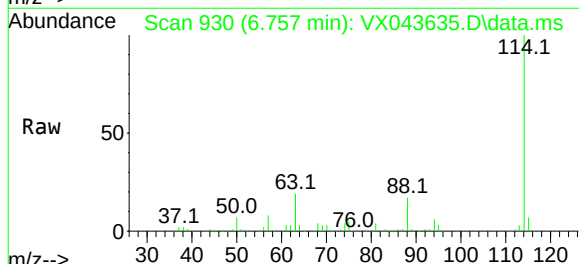
Manual Integrations
APPROVED

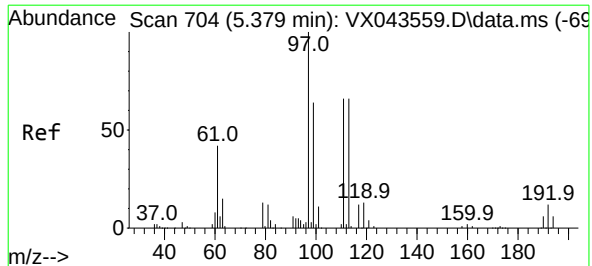
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

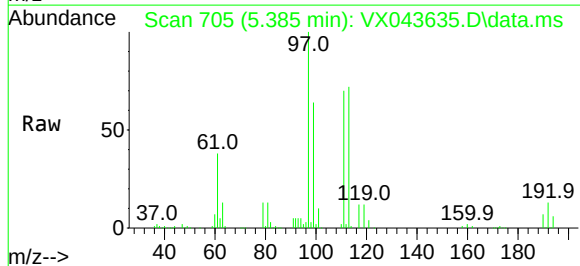
Tgt Ion:114 Resp: 309741
Ion Ratio Lower Upper
114 100
63 18.9 0.0 41.2
88 16.6 0.0 34.0





#35
Dibromofluoromethane
Concen: 48.145 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

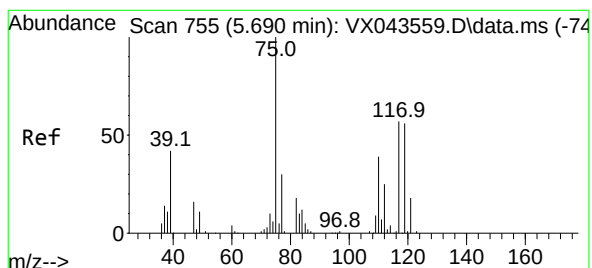
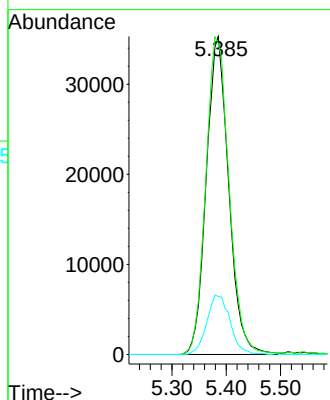
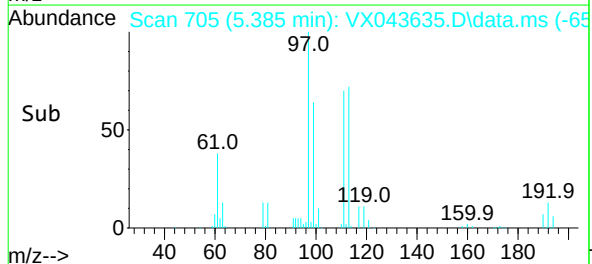
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 113 Resp: 101122
Ion Ratio Lower Upper
113 100
111 104.2 81.4 122.0
192 19.4 14.1 21.1

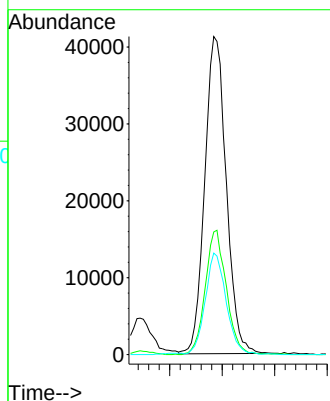
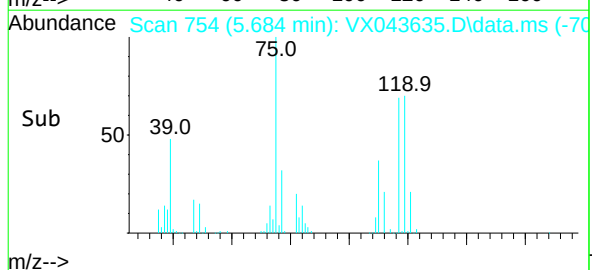
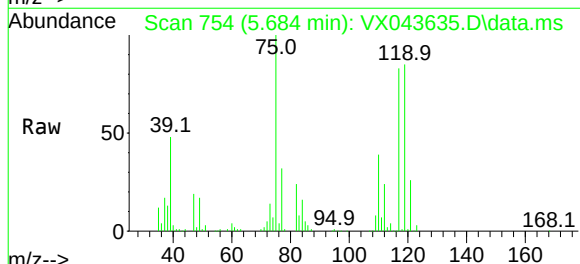
Manual Integrations
APPROVED

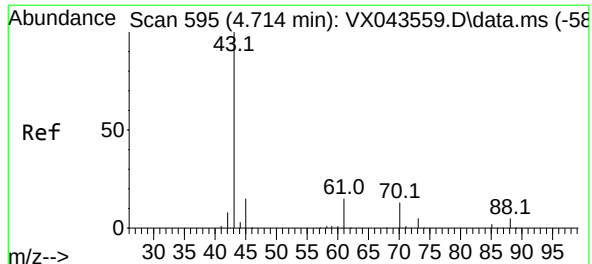
Reviewed By : Semsettin Yesilyurt 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#36
1,1-Dichloropropene
Concen: 47.200 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 75 Resp: 117552
Ion Ratio Lower Upper
75 100
110 38.4 17.9 53.7
77 30.8 25.0 37.4





#37

Ethyl Acetate

Concen: 44.228 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 133728

Ion Ratio Lower Upper

43 100

61 14.5 11.0 16.6

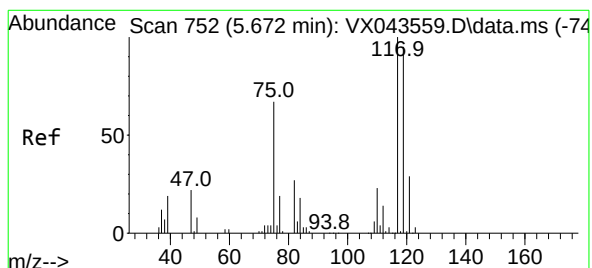
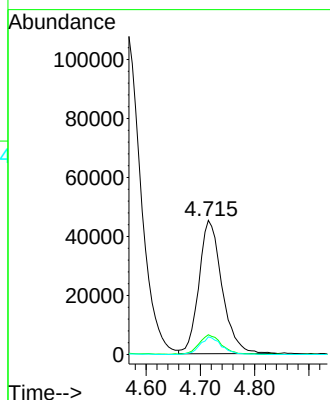
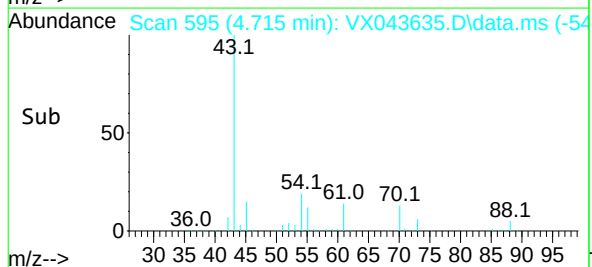
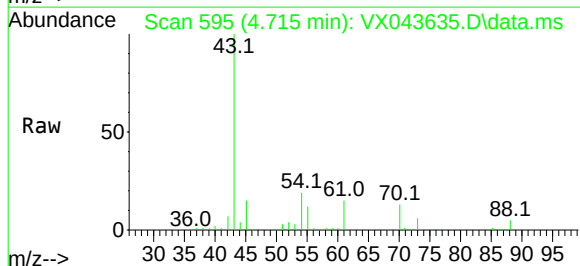
70 12.2 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#38

Carbon Tetrachloride

Concen: 48.140 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

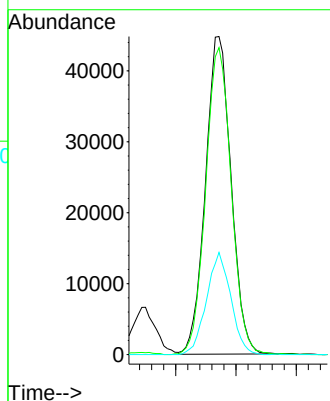
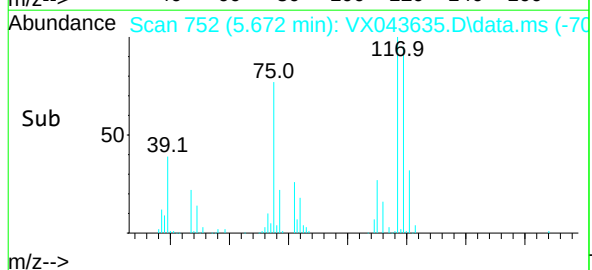
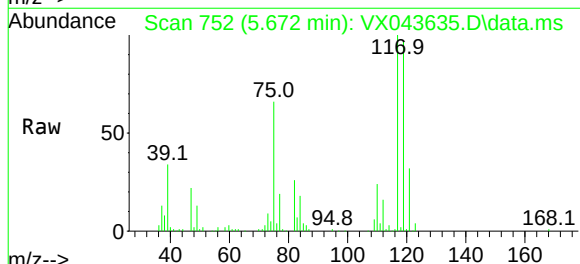
Tgt Ion:117 Resp: 132473

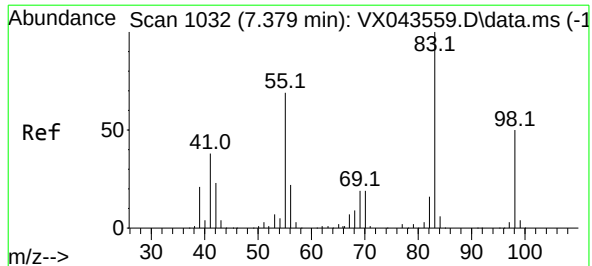
Ion Ratio Lower Upper

117 100

119 96.6 77.0 115.6

121 32.2 24.7 37.1





#39

Methylcyclohexane

Concen: 48.050 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

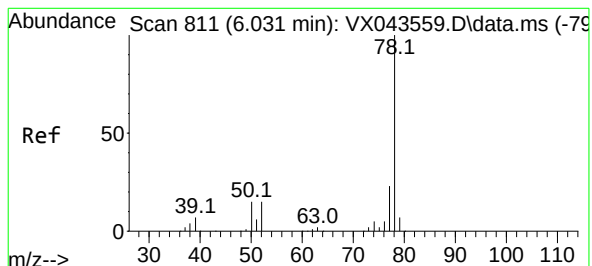
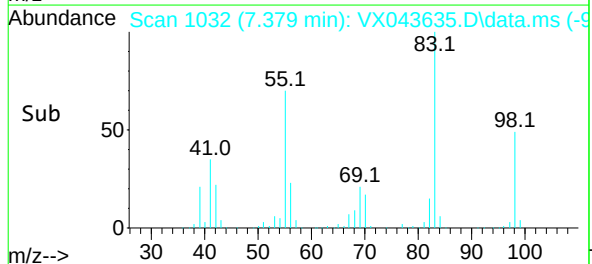
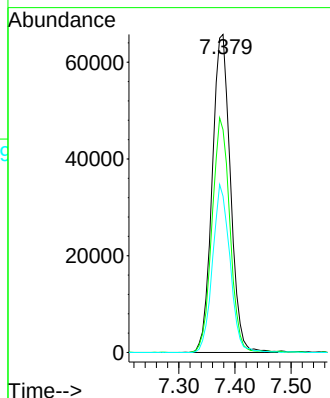
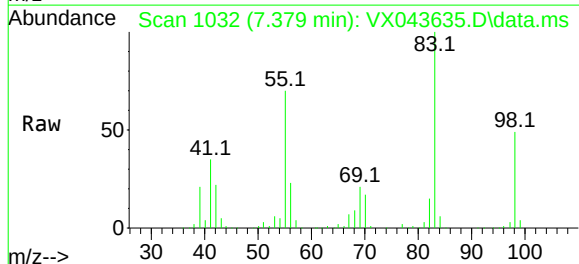
VSTDCCC050EC

Tgt Ion:	83	Resp:	148577
Ion	Ratio	Lower	Upper
83	100		
55	70.0	59.9	89.9
98	49.1	41.3	61.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#40

Benzene

Concen: 47.238 ug/l

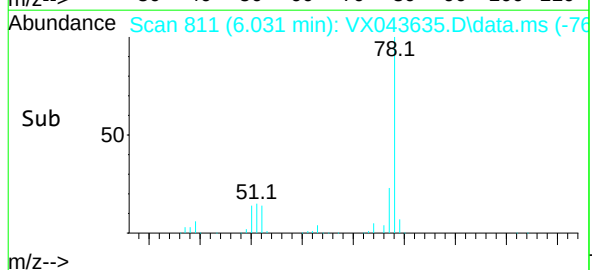
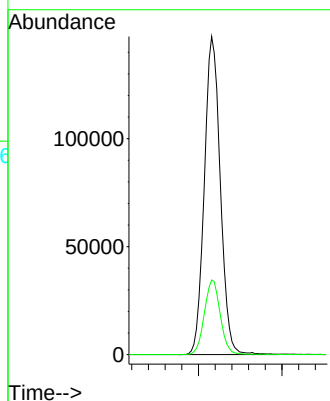
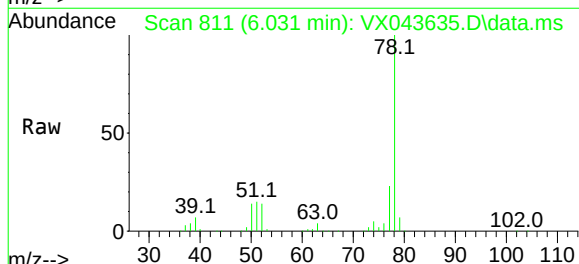
RT: 6.031 min Scan# 811

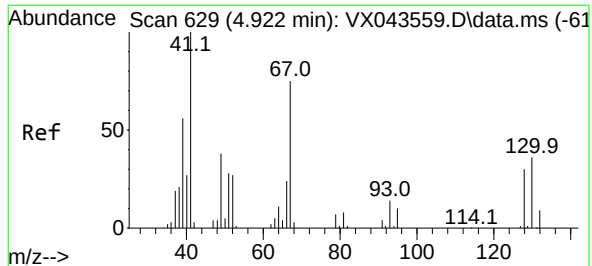
Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Tgt Ion:	78	Resp:	392480
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6





#41

Methacrylonitrile

Concen: 46.454 ug/l

RT: 4.928 min Scan# 63

Delta R.T. 0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 73728

Ion Ratio Lower Upper

41 100

39 51.9 43.5 65.3

67 78.6 58.3 87.5

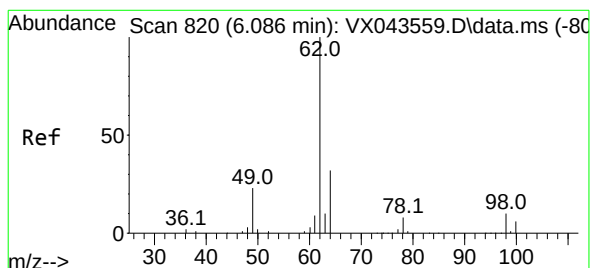
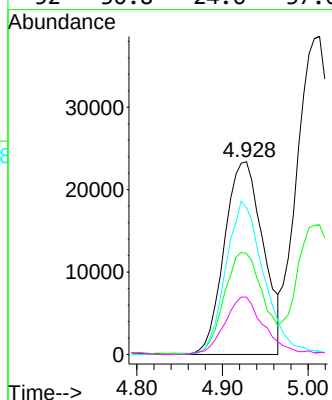
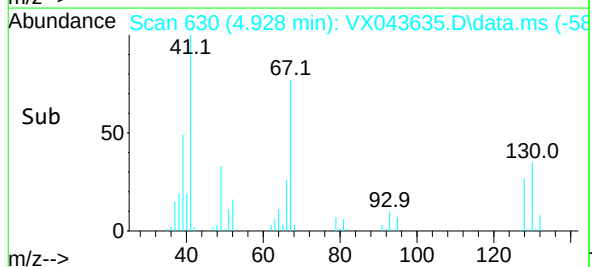
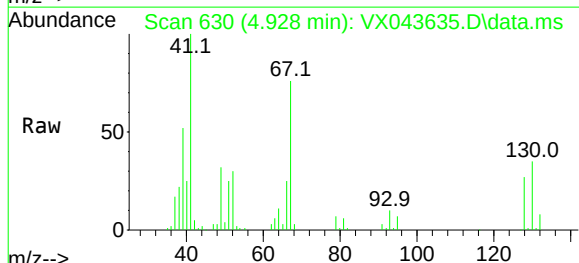
52 30.8 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#42

1,2-Dichloroethane

Concen: 43.203 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.006 min

Lab File: VX043635.D

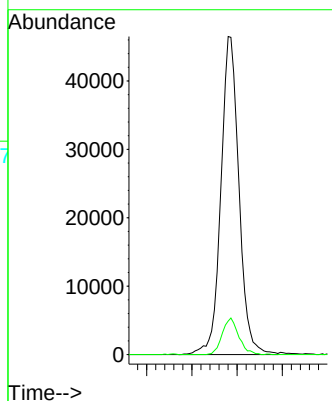
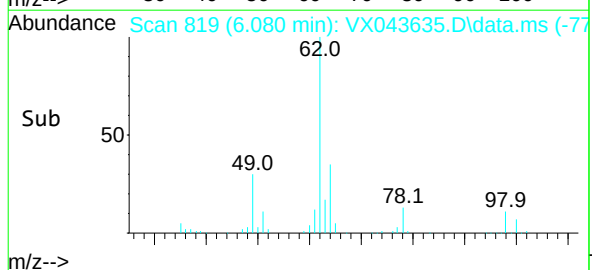
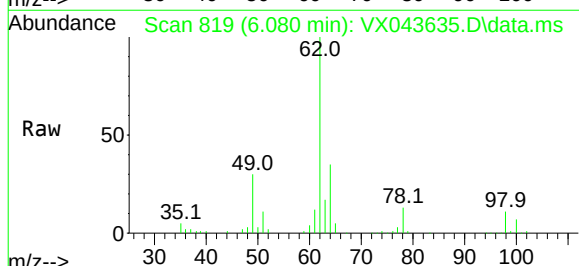
Acq: 30 Oct 2024 19:25

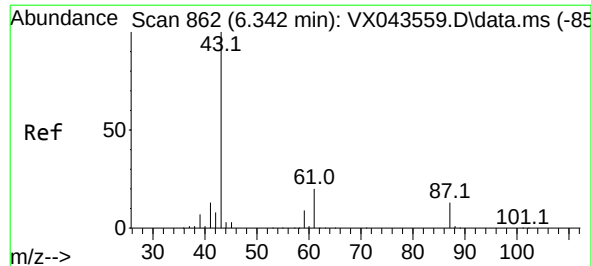
Tgt Ion: 62 Resp: 129043

Ion Ratio Lower Upper

62 100

98 10.5 0.0 18.8





#43

Isopropyl Acetate

Concen: 43.998 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 220004

Ion Ratio Lower Upper

43 100

61 21.4 16.2 24.4

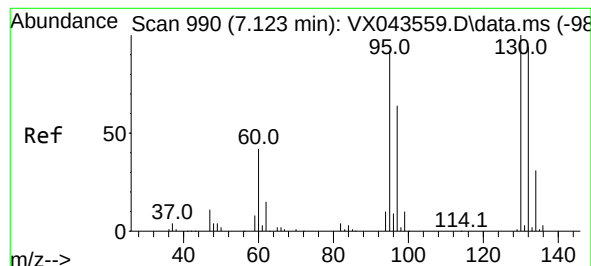
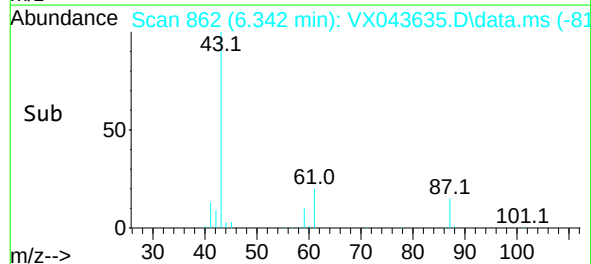
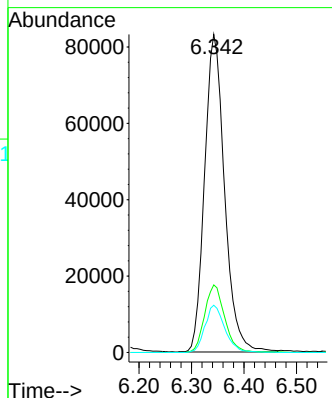
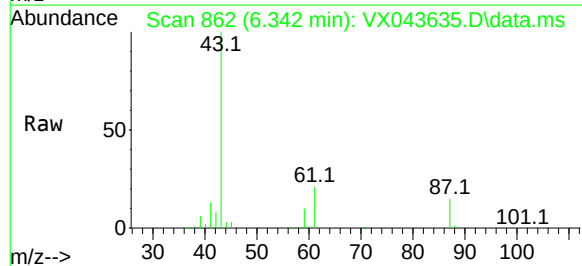
87 14.8 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#44

Trichloroethene

Concen: 49.561 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043635.D

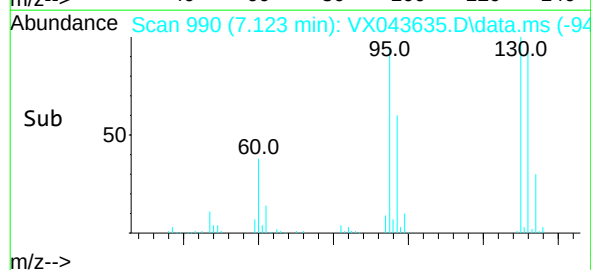
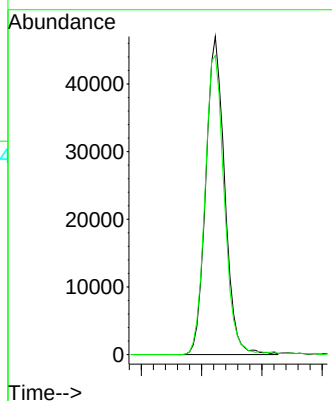
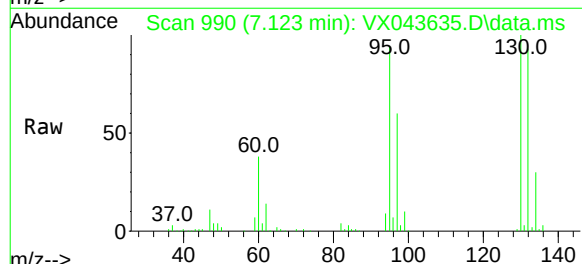
Acq: 30 Oct 2024 19:25

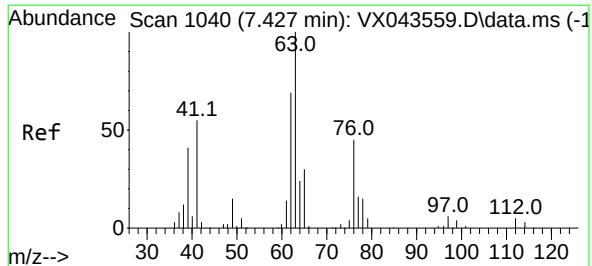
Tgt Ion:130 Resp: 102297

Ion Ratio Lower Upper

130 100

95 94.0 0.0 202.6





#45

1,2-Dichloropropane

Concen: 46.915 ug/l

RT: 7.421 min Scan# 10

Delta R.T. -0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 95978

Ion Ratio Lower Upper

63 100

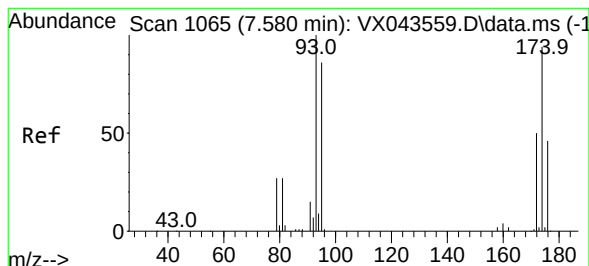
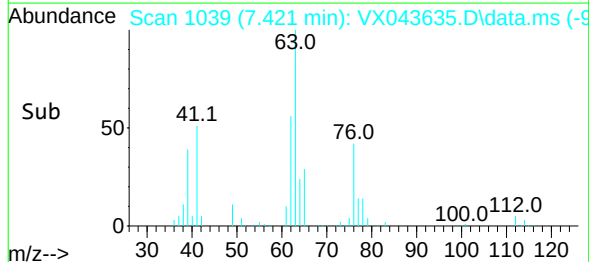
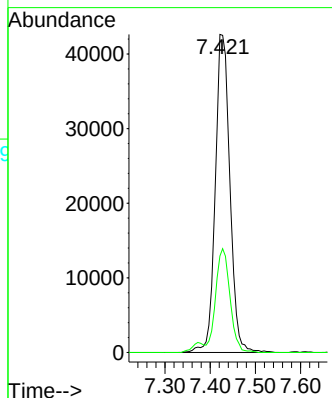
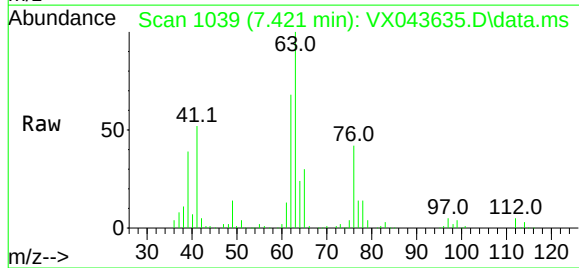
65 30.3 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#46

Dibromomethane

Concen: 45.058 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

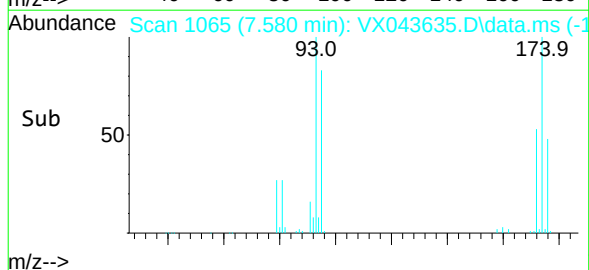
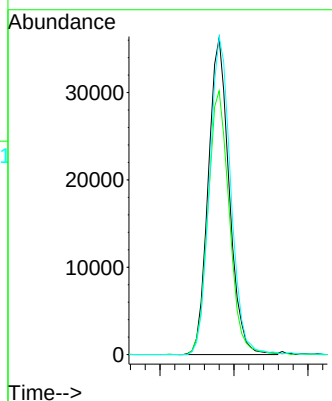
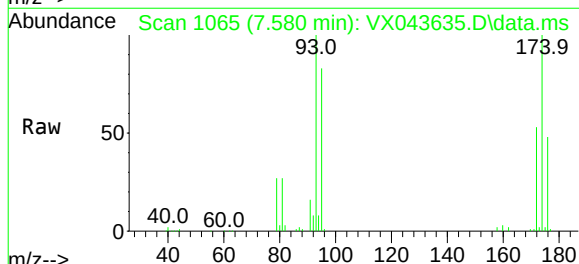
Tgt Ion: 93 Resp: 70976

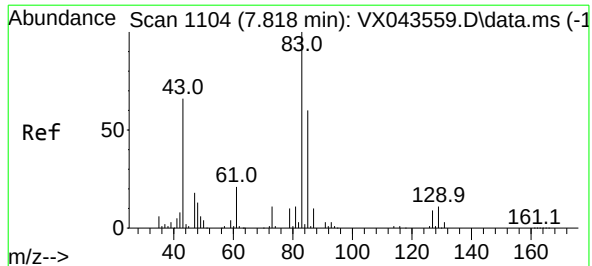
Ion Ratio Lower Upper

93 100

95 84.8 66.4 99.6

174 102.1 75.0 112.4





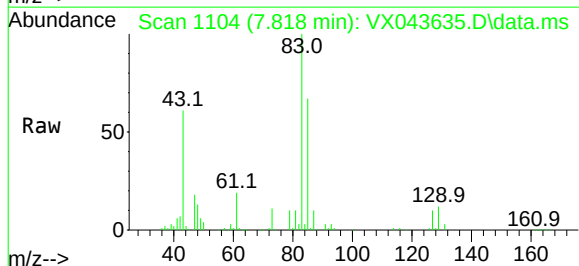
#47
Bromodichloromethane
Concen: 46.992 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

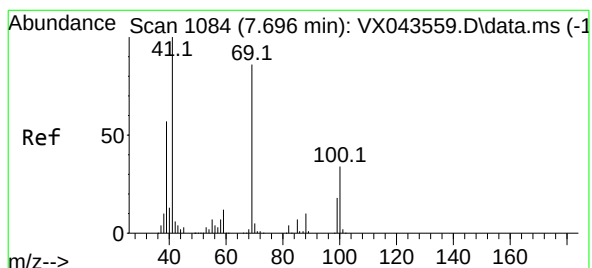
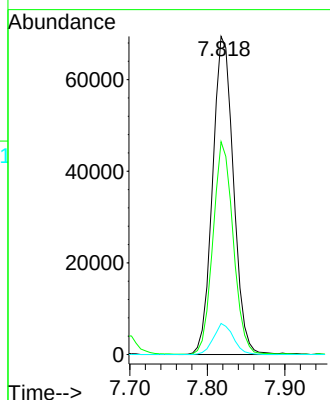
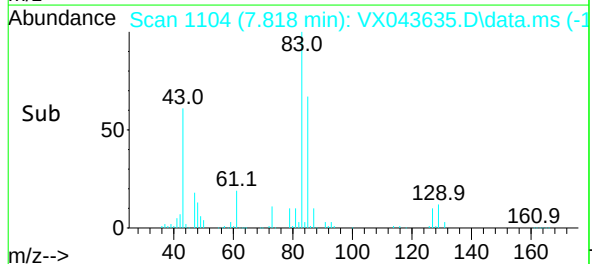


Tgt Ion: 83 Resp: 129855
Ion Ratio Lower Upper
83 100
85 66.8 52.2 78.4
127 9.8 7.1 10.7

Manual Integrations

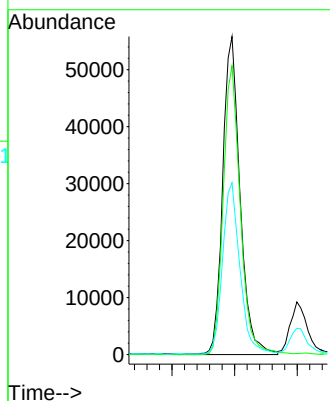
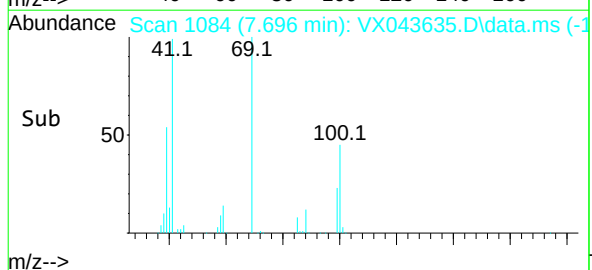
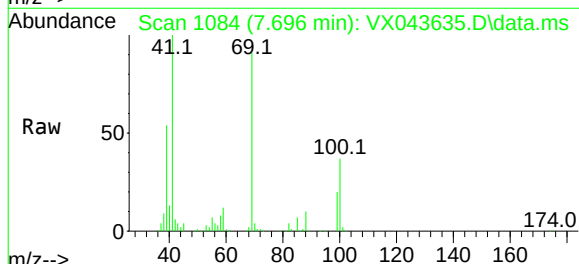
APPROVED

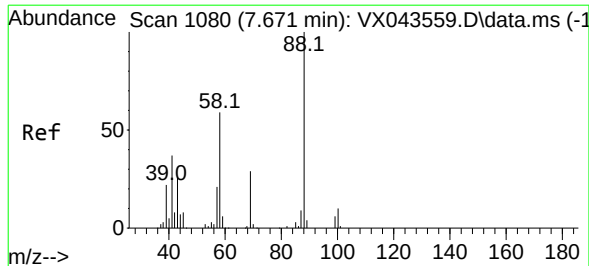
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#48
Methyl methacrylate
Concen: 45.277 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

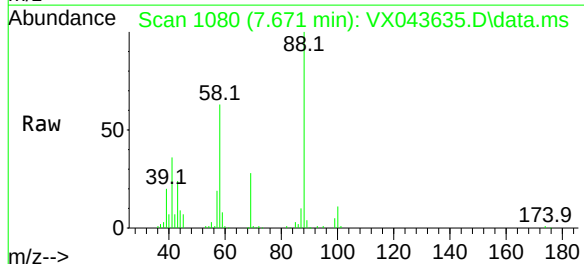
Tgt Ion: 41 Resp: 107340
Ion Ratio Lower Upper
41 100
69 89.1 67.7 101.5
39 53.5 46.3 69.5





#49
1,4-Dioxane
Concen: 1064.890 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

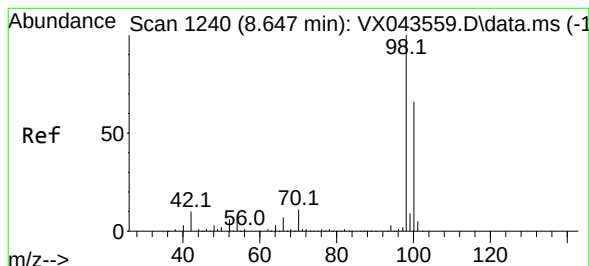
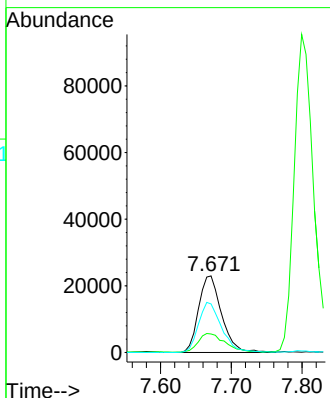
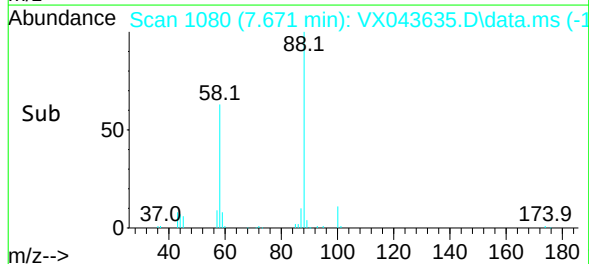
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 88 Resp: 51867
Ion Ratio Lower Upper
88 100
43 28.6 25.3 37.9
58 65.7 53.9 80.9

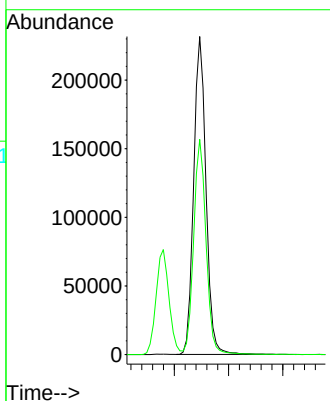
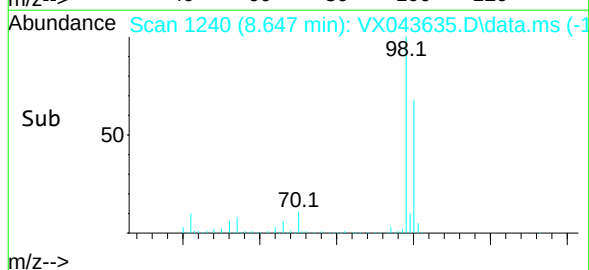
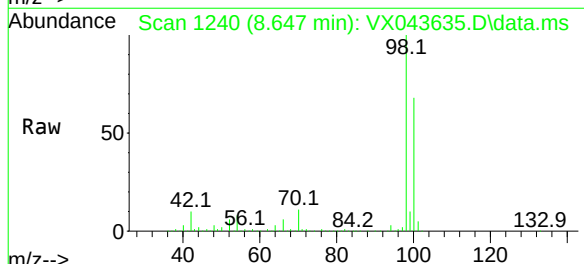
Manual Integrations
APPROVED

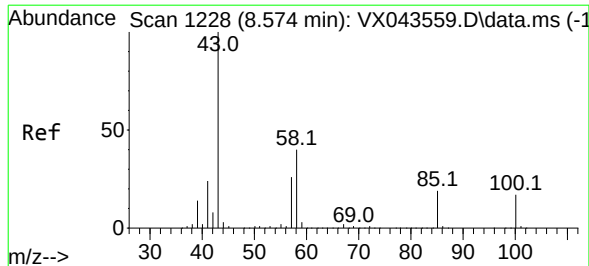
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#50
Toluene-d8
Concen: 50.145 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 98 Resp: 364584
Ion Ratio Lower Upper
98 100
100 68.0 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 227.662 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 693837

Ion Ratio Lower Upper

43 100

58 41.4 31.7 47.5

Instrument :

MSVOA_X

ClientSampleId :

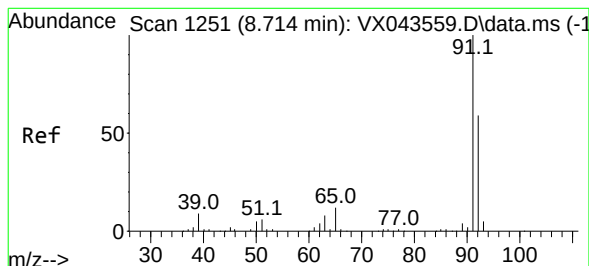
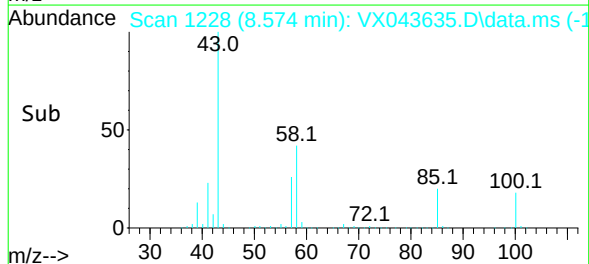
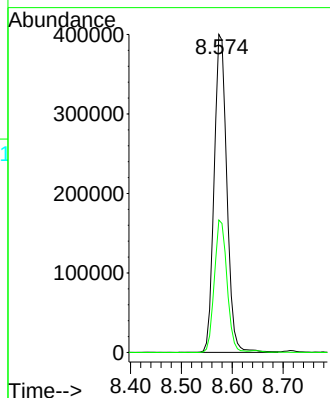
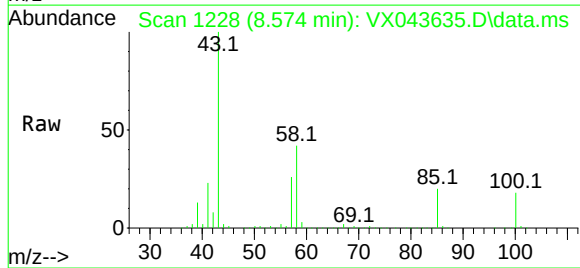
VSTDCCC050EC

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#52

Toluene

Concen: 49.134 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX043635.D

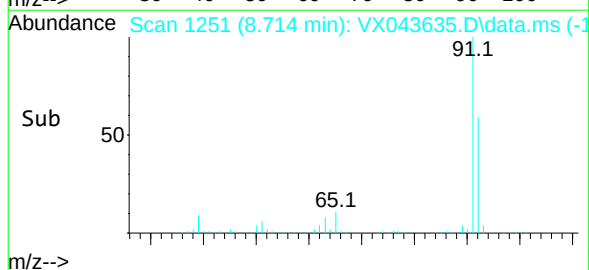
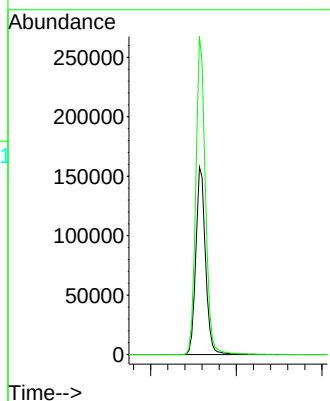
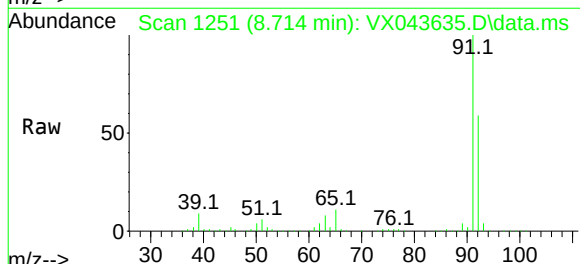
Acq: 30 Oct 2024 19:25

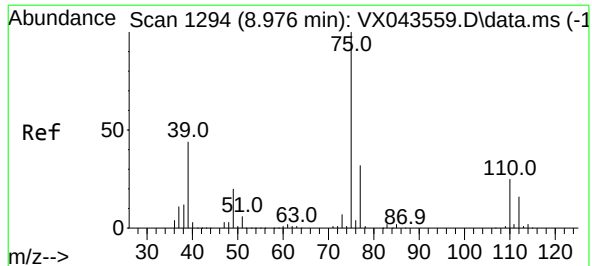
Tgt Ion: 92 Resp: 247578

Ion Ratio Lower Upper

92 100

91 168.2 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 46.012 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX043635.D

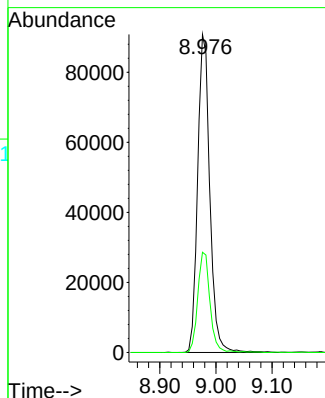
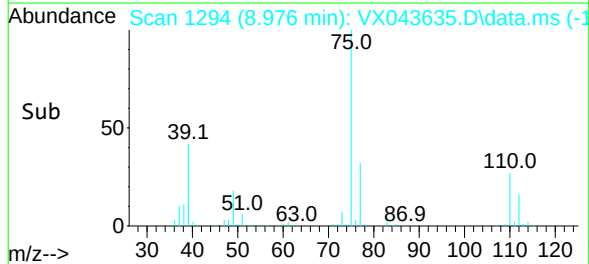
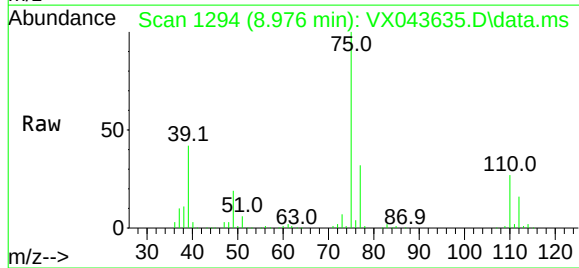
Acq: 30 Oct 2024 19:25

Tgt Ion: 75 Resp: 136565

Ion Ratio Lower Upper

75 100

77 31.5 26.0 39.0



Instrument :

MSVOA_X

ClientSampleId :

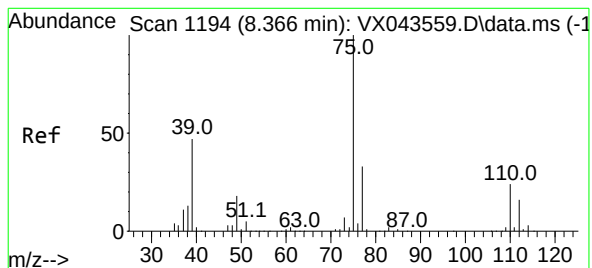
VSTDCCC050EC

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#54

cis-1,3-Dichloropropene

Concen: 47.908 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

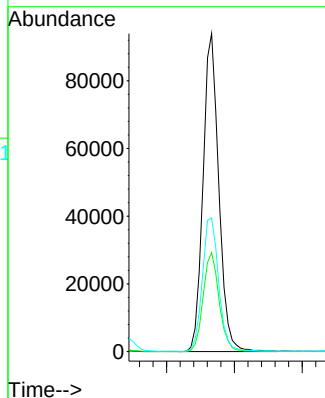
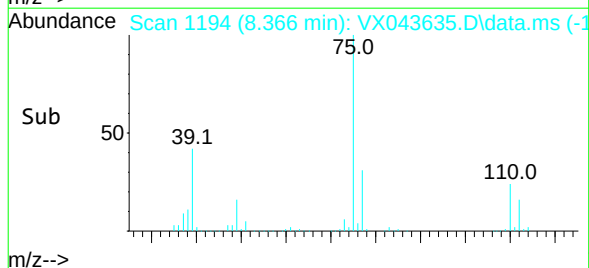
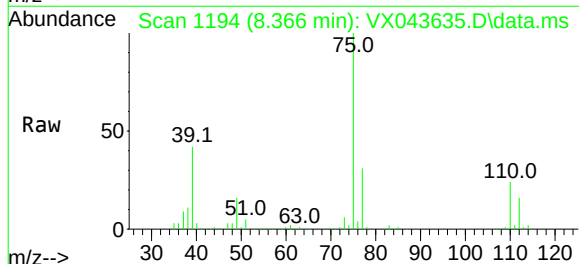
Tgt Ion: 75 Resp: 151502

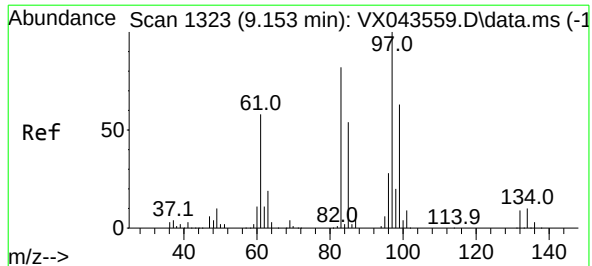
Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

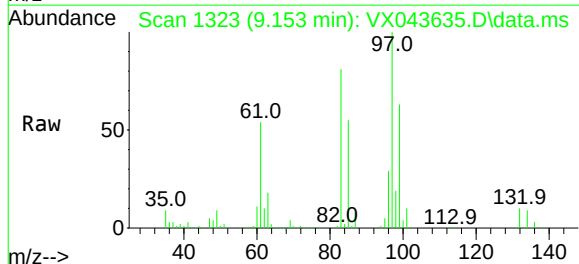
39 41.9 37.7 56.5





#55
1,1,2-Trichloroethane
Concen: 47.983 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

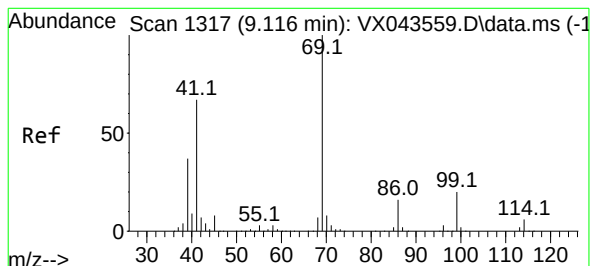
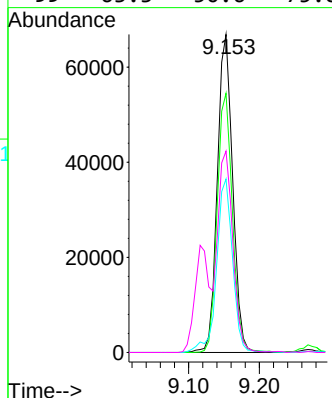
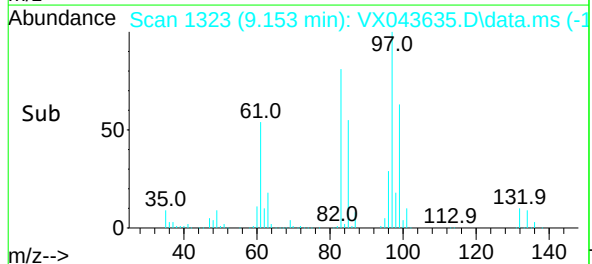
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 97 Resp: 100639
Ion Ratio Lower Upper
97 100
83 81.5 67.3 100.9
85 54.5 43.6 65.4
99 63.3 50.6 75.8

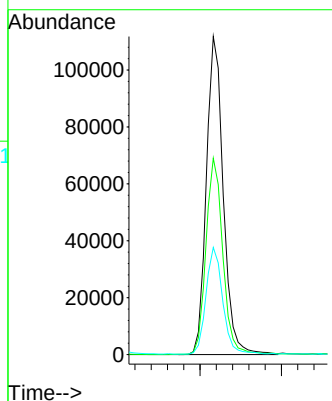
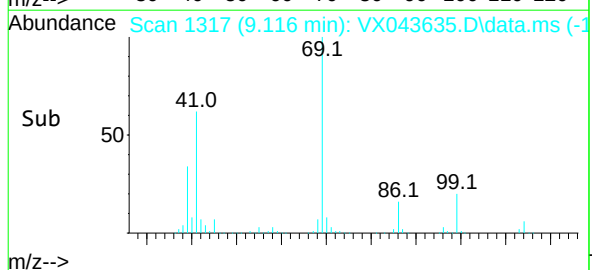
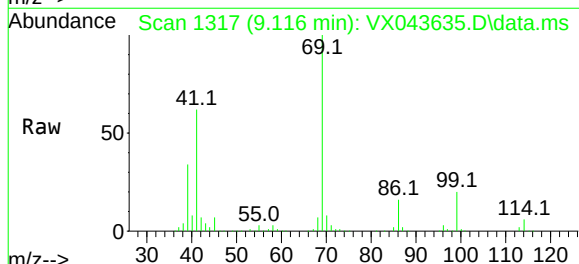
Manual Integrations
APPROVED

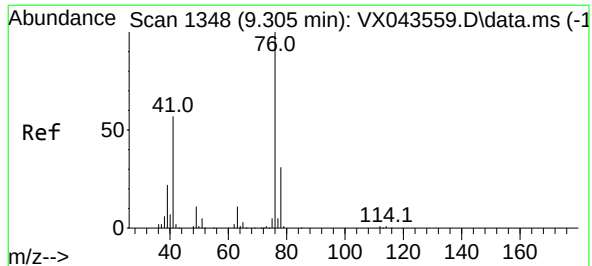
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#56
Ethyl methacrylate
Concen: 47.299 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

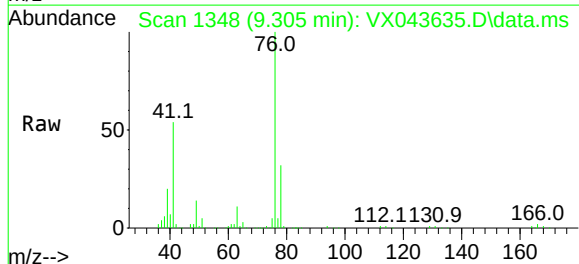
Tgt Ion: 69 Resp: 161195
Ion Ratio Lower Upper
69 100
41 61.9 53.8 80.8
39 33.2 29.9 44.9





#57
1,3-Dichloropropane
Concen: 47.294 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

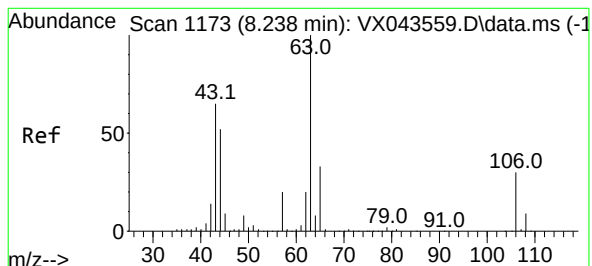
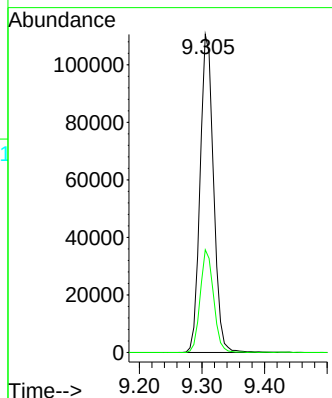
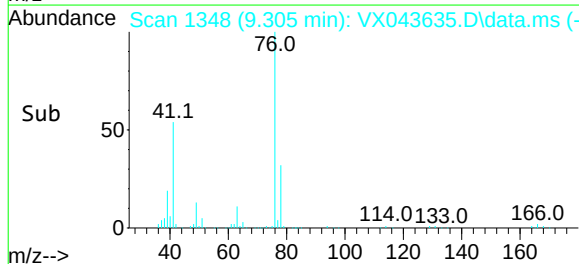
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 164980
Ion Ratio Lower Upper
76 100
78 32.0 25.9 38.9

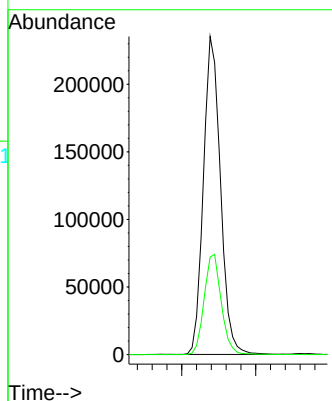
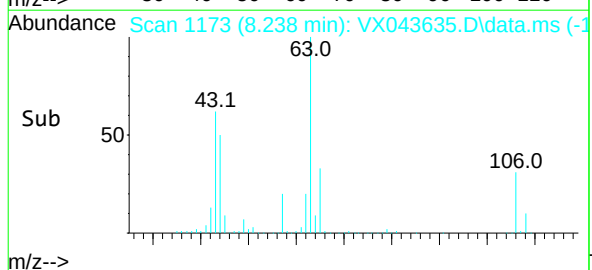
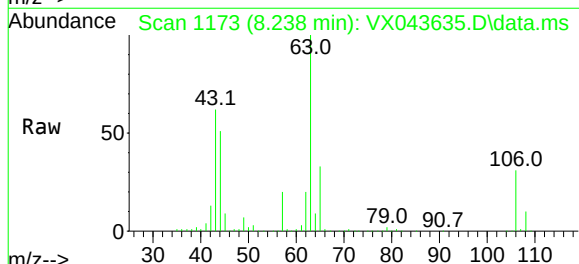
Manual Integrations
APPROVED

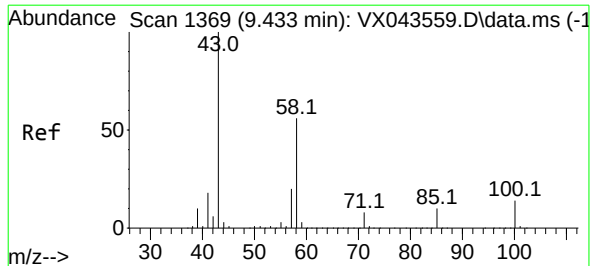
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#58
2-Chloroethyl Vinyl ether
Concen: 228.196 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 63 Resp: 376649
Ion Ratio Lower Upper
63 100
106 31.7 23.6 35.4





#59

2-Hexanone

Concen: 227.247 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 526010

Ion Ratio Lower Upper

43 100

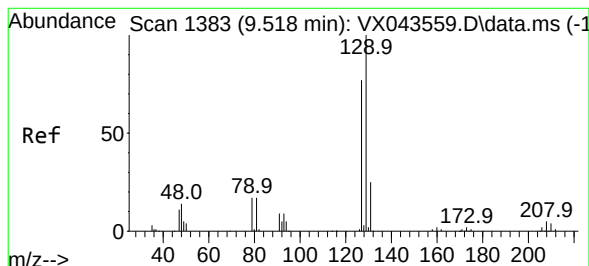
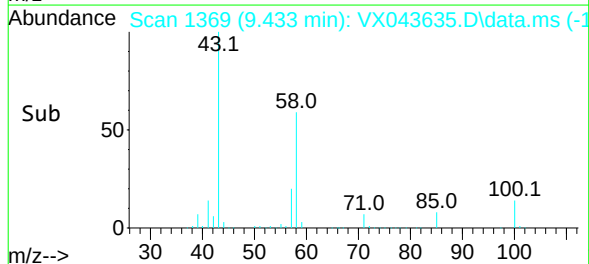
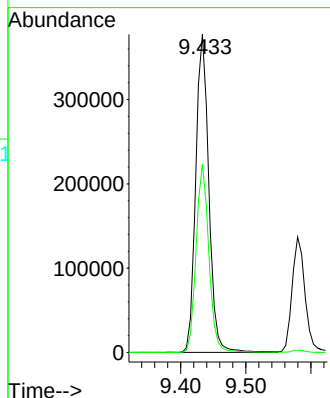
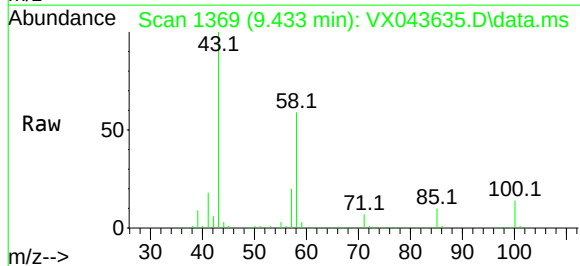
58 58.1 27.5 82.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#60

Dibromochloromethane

Concen: 49.353 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043635.D

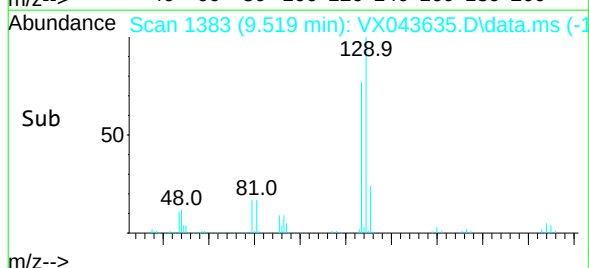
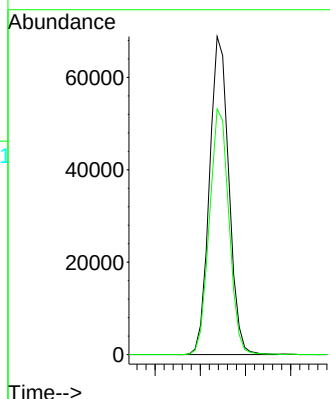
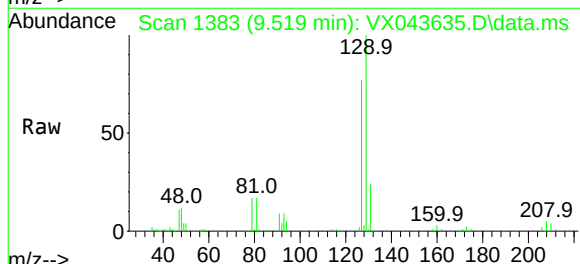
Acq: 30 Oct 2024 19:25

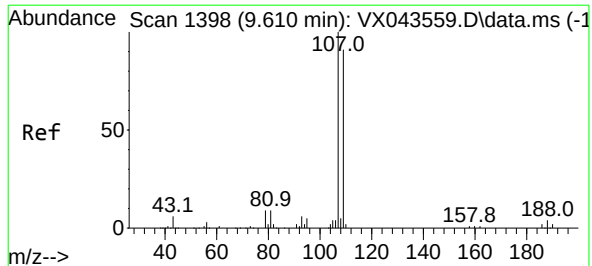
Tgt Ion:129 Resp: 102501

Ion Ratio Lower Upper

129 100

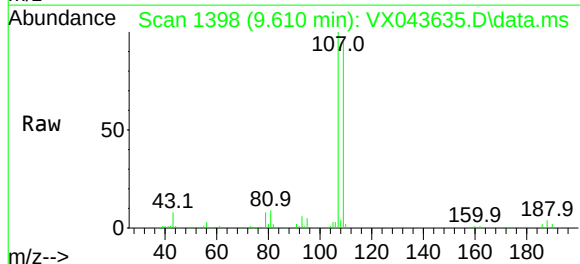
127 77.8 38.4 115.1





#61
1,2-Dibromoethane
Concen: 47.860 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

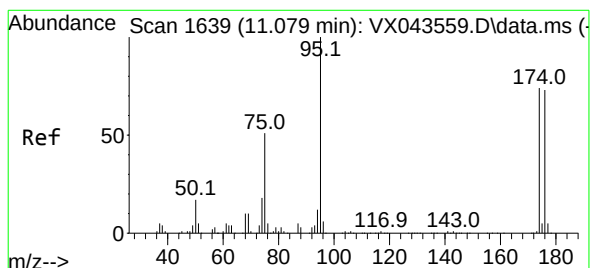
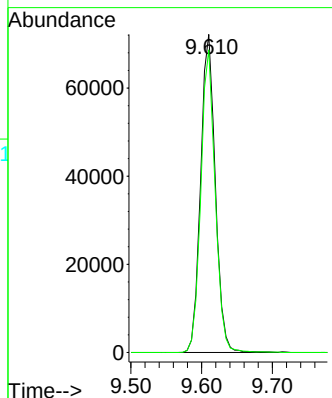
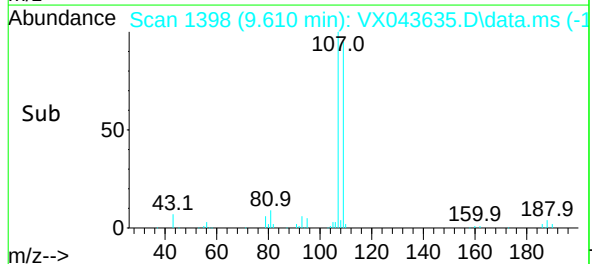
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 107 Resp: 104203
Ion Ratio Lower Upper
107 100
109 93.2 77.1 115.7

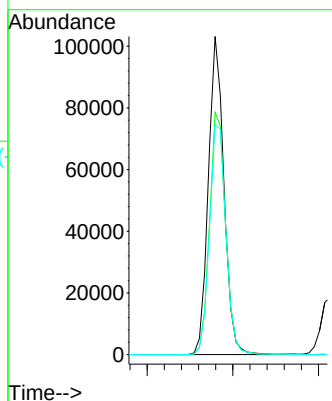
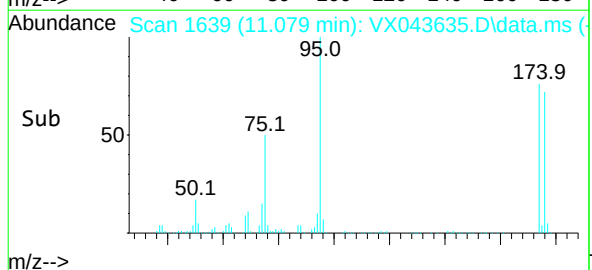
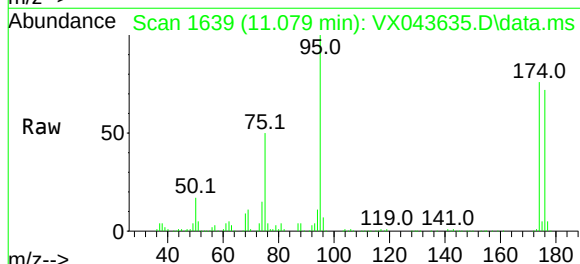
Manual Integrations
APPROVED

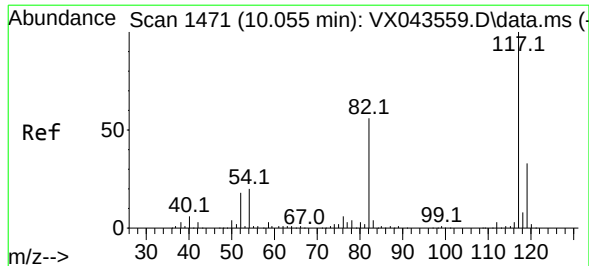
Reviewed By : Semsettin Yesilyurt 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#62
4-Bromofluorobenzene
Concen: 48.226 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 95 Resp: 129928
Ion Ratio Lower Upper
95 100
174 78.7 0.0 146.6
176 76.6 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

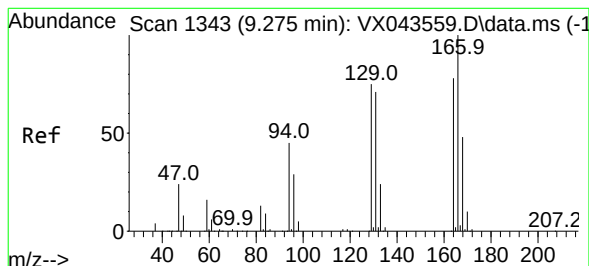
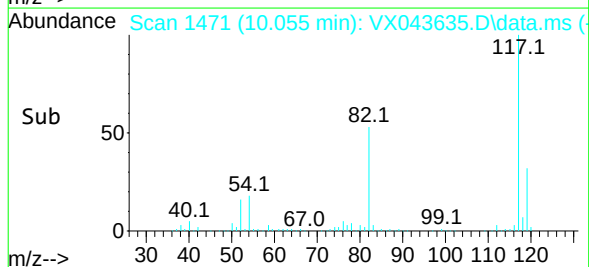
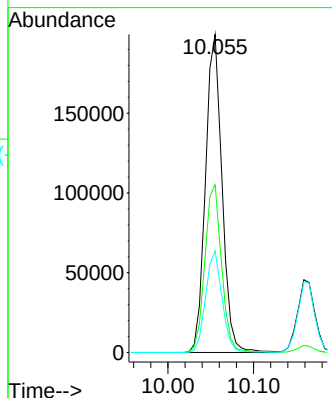
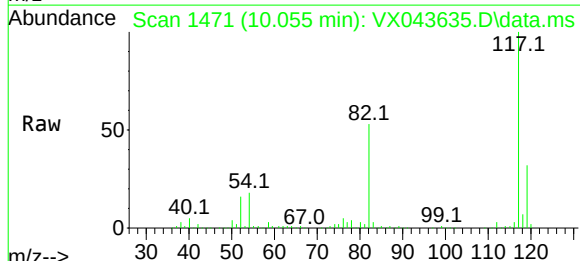
VSTDCCC050EC

Tgt Ion:	117	Resp:	267658
Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.1	63.1
119	31.9	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#64

Tetrachloroethene

Concen: 52.495 ug/l

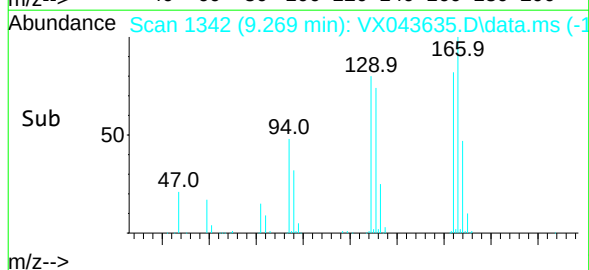
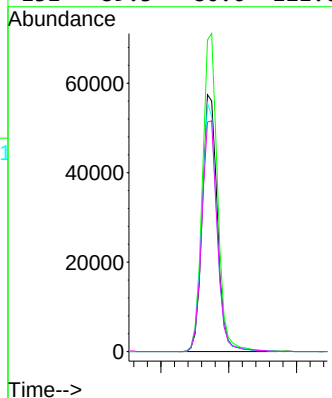
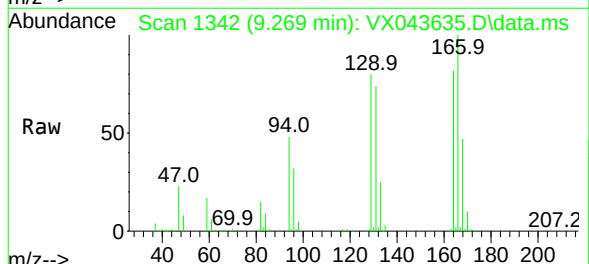
RT: 9.269 min Scan# 1342

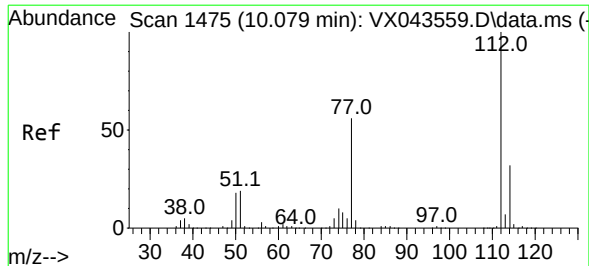
Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Tgt Ion:	164	Resp:	88371
Ion	Ratio	Lower	Upper
164	100		
166	121.3	103.8	155.6
129	96.8	83.8	125.6
131	89.3	80.6	121.0





#65

Chlorobenzene

Concen: 47.866 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 275636

Ion Ratio Lower Upper

112 100

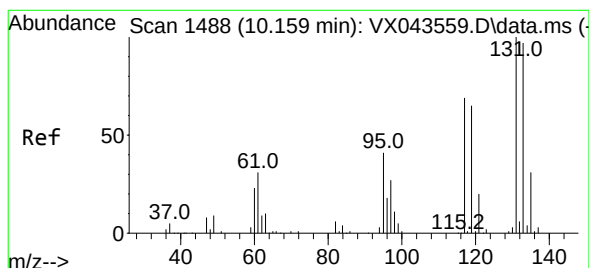
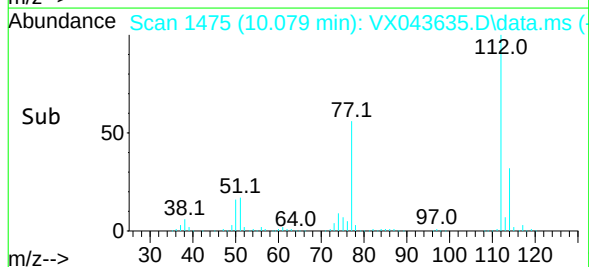
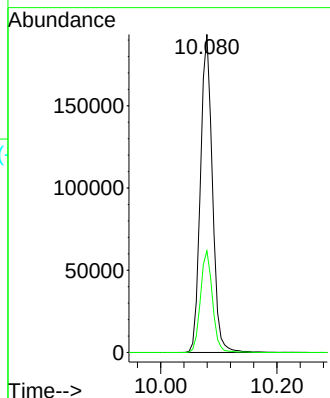
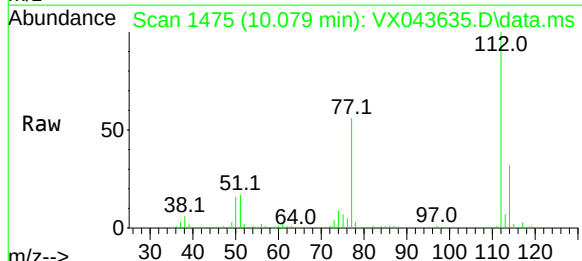
114 31.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 50.585 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

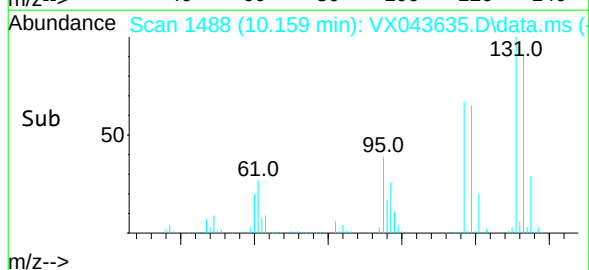
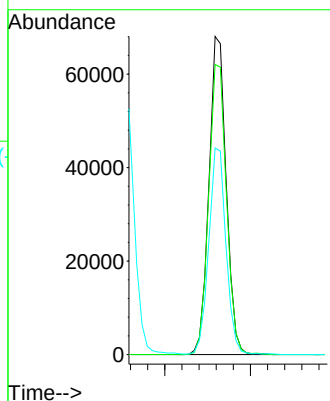
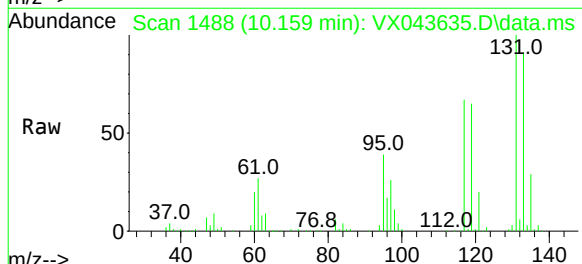
Tgt Ion:131 Resp: 95145

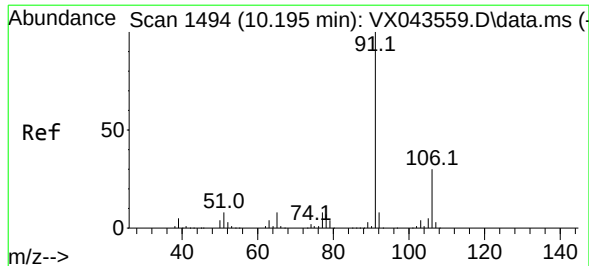
Ion Ratio Lower Upper

131 100

133 93.8 48.0 144.0

119 65.2 32.3 96.9





#67

Ethyl Benzene

Concen: 48.724 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX043635.D

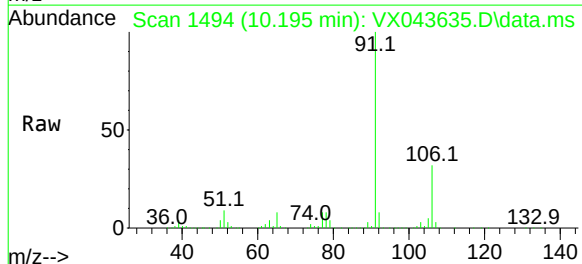
Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 91 Resp: 457507

Ion Ratio Lower Upper

91 100

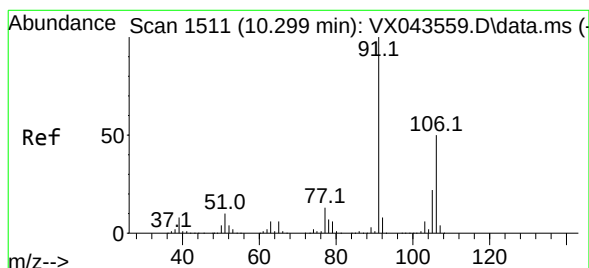
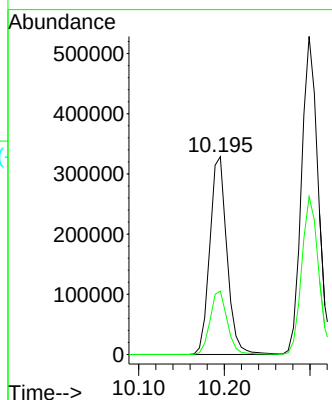
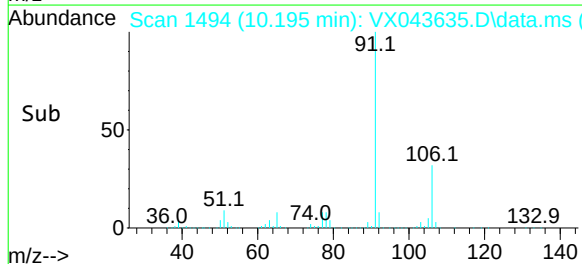
106 32.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#68

m/p-Xylenes

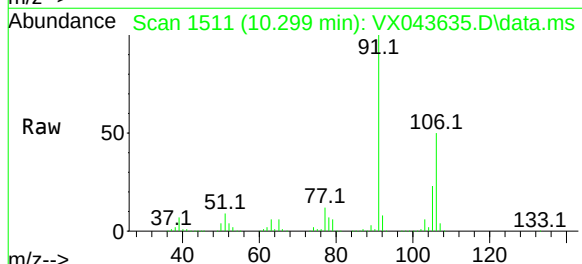
Concen: 100.611 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

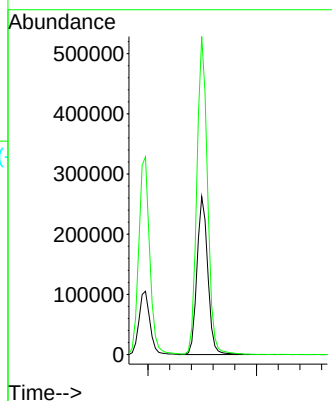
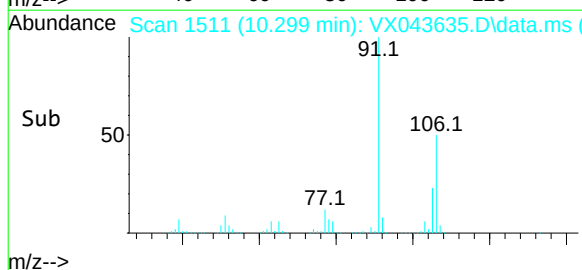


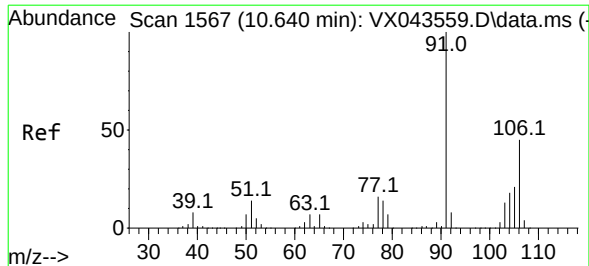
Tgt Ion:106 Resp: 361281

Ion Ratio Lower Upper

106 100

91 198.8 164.7 247.1





#69

o-Xylene

Concen: 50.021 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:106 Resp: 180468

Ion Ratio Lower Upper

106 100

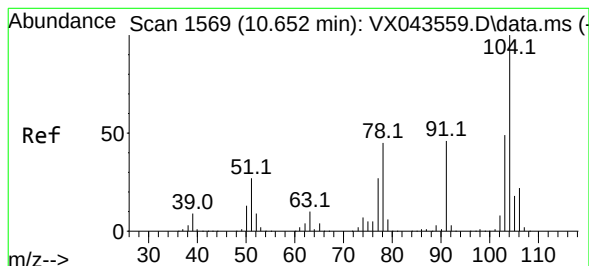
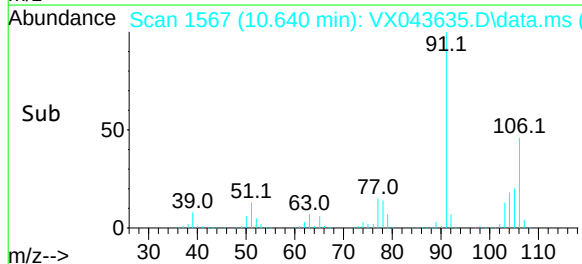
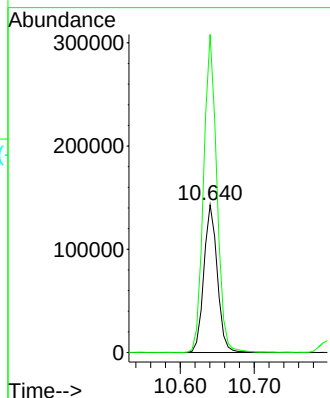
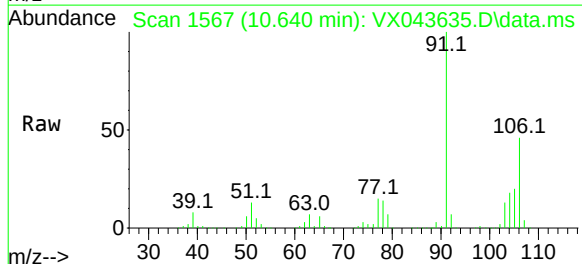
91 211.8 107.9 323.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#70

Styrene

Concen: 50.824 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

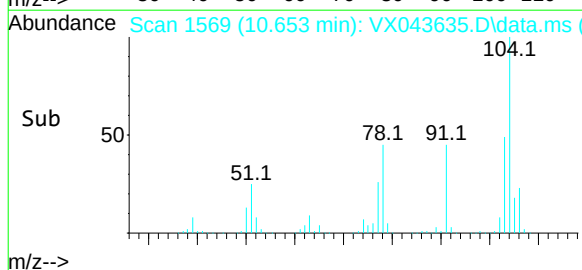
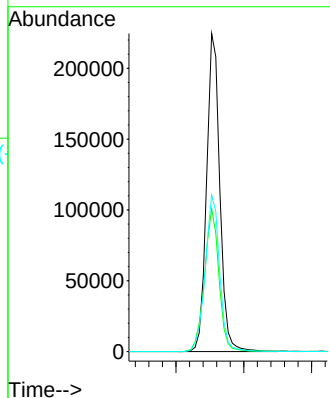
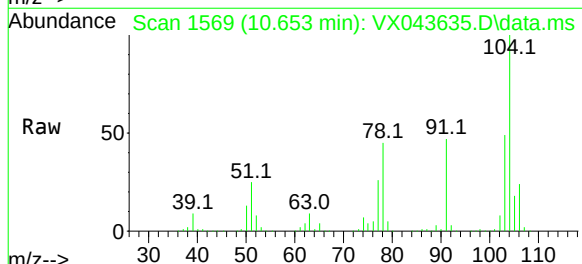
Tgt Ion:104 Resp: 304770

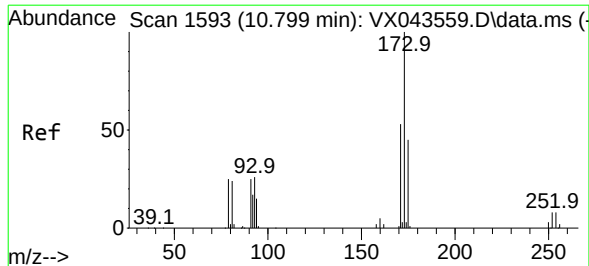
Ion Ratio Lower Upper

104 100

78 49.0 40.0 60.0

103 53.7 43.4 65.0





#71

Bromoform

Concen: 49.919 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

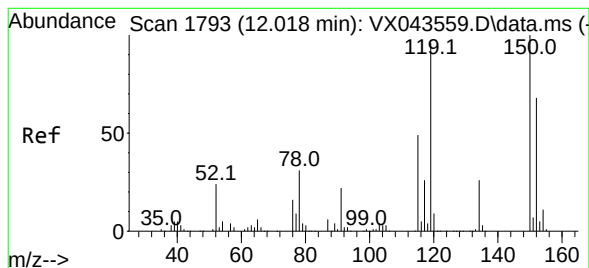
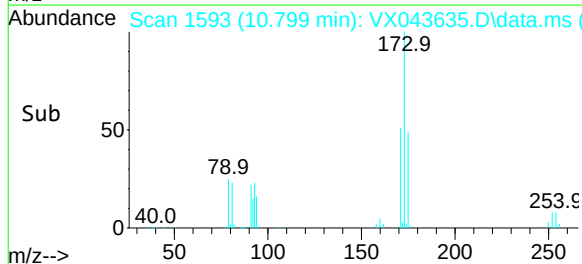
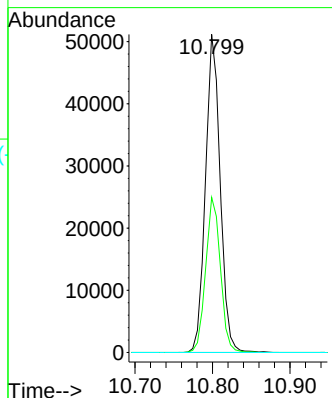
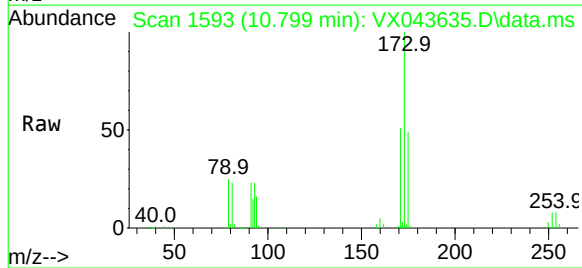
VSTDCCC050EC

Tgt Ion:	173	Resp:	67510
Ion Ratio	Lower	Upper	
173	100		
175	48.9	23.3	69.9
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

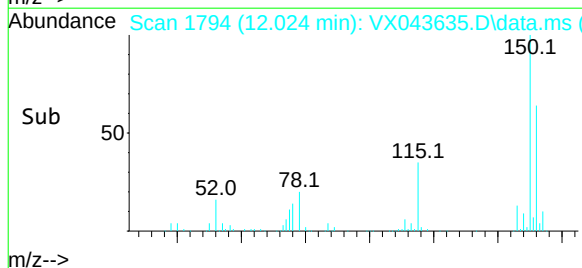
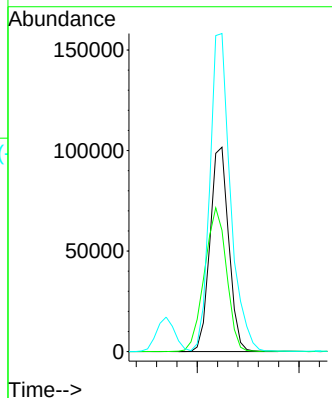
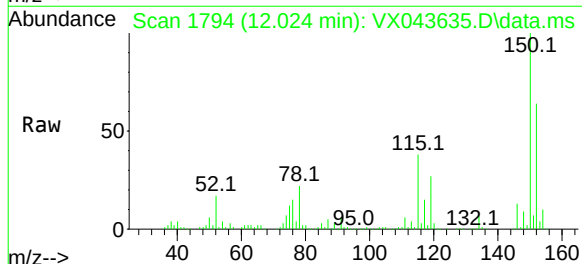
RT: 12.024 min Scan# 1794

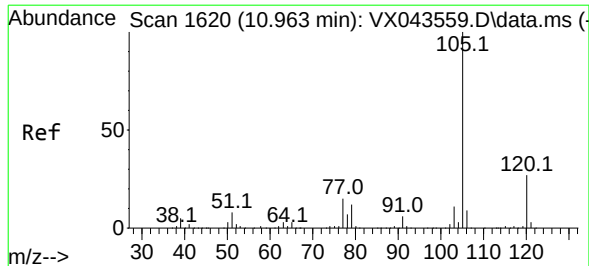
Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Tgt Ion:	152	Resp:	130349
Ion Ratio	Lower	Upper	
152	100		
115	82.7	42.9	128.7
150	170.6	0.0	343.6





#73

Isopropylbenzene

Concen: 49.624 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 458206

Ion Ratio Lower Upper

105 100

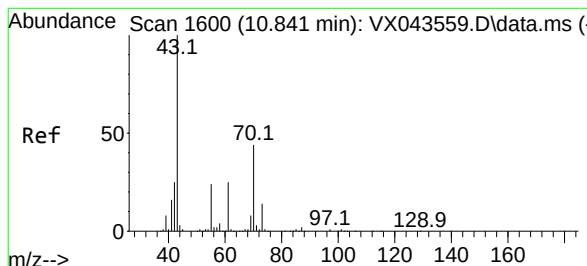
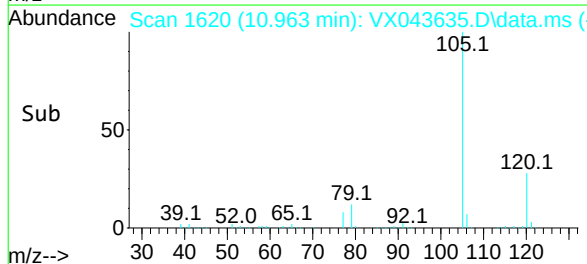
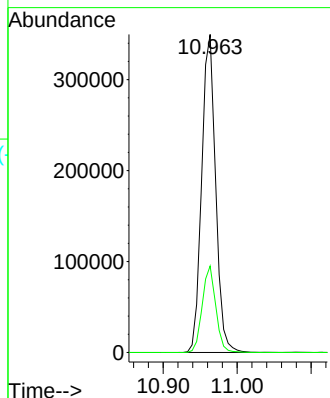
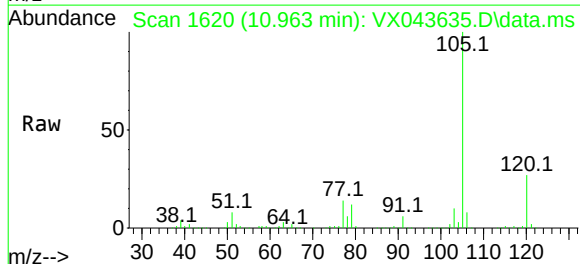
120 26.3 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#74

N-ethyl acetate

Concen: 45.567 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 204963

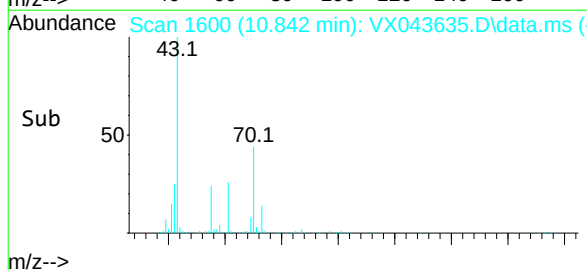
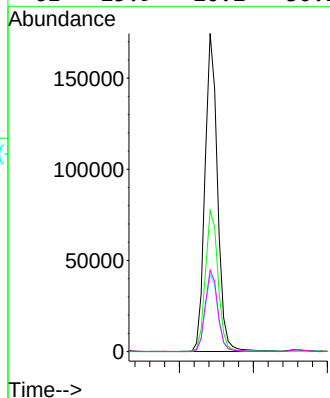
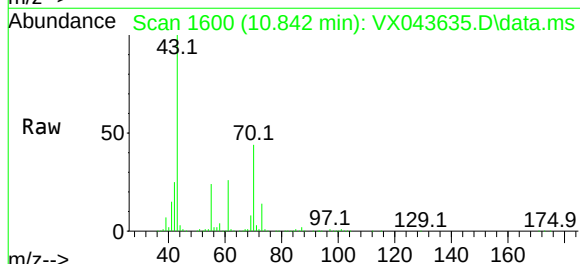
Ion Ratio Lower Upper

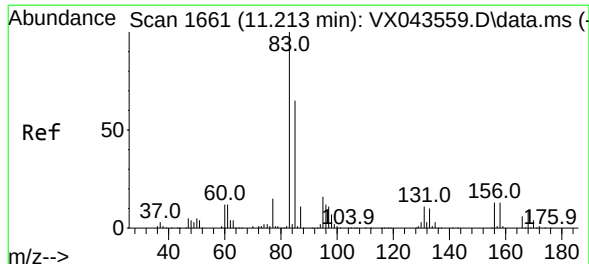
43 100

70 45.3 34.6 52.0

55 24.8 19.6 29.4

61 25.9 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.675 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 154974

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

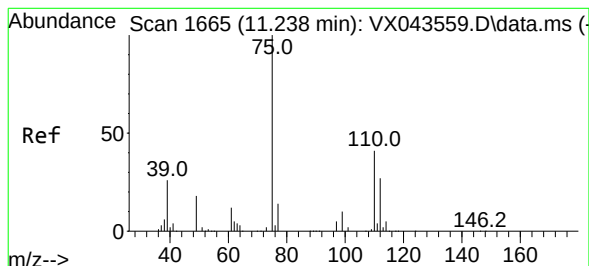
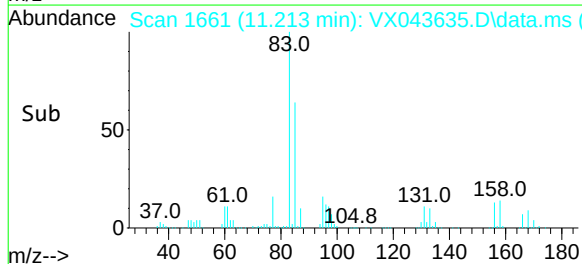
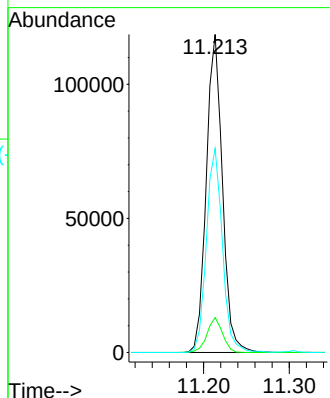
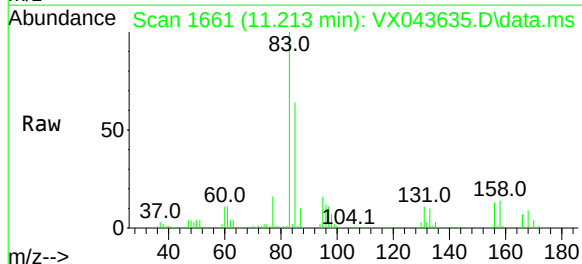
85 63.9 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#76

1,2,3-Trichloropropane

Concen: 44.125 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX043635.D

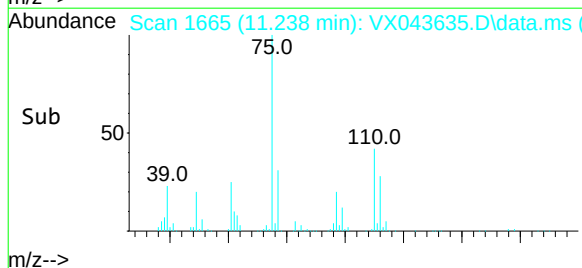
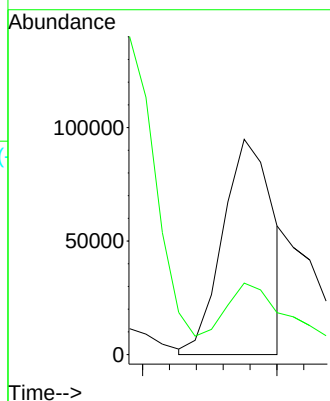
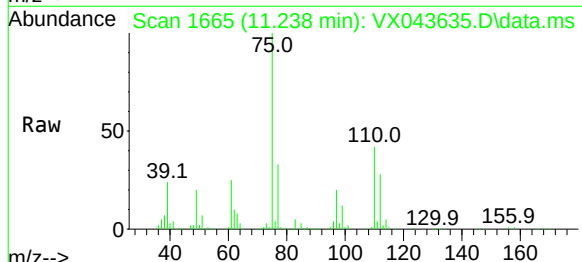
Acq: 30 Oct 2024 19:25

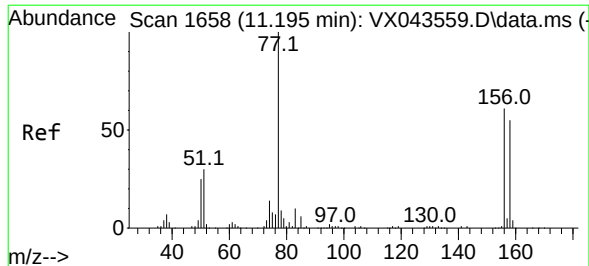
Tgt Ion: 75 Resp: 122978

Ion Ratio Lower Upper

75 100

77 45.3 22.4 67.2





#77

Bromobenzene

Concen: 47.913 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:156 Resp: 114236

Ion Ratio Lower Upper

156 100

77 154.8 79.7 239.1

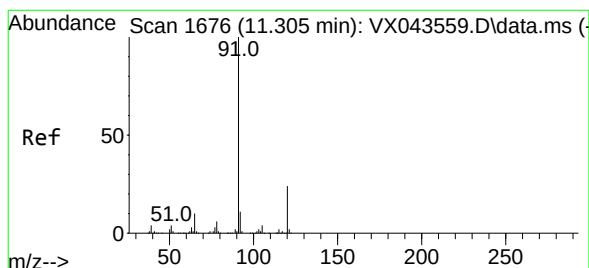
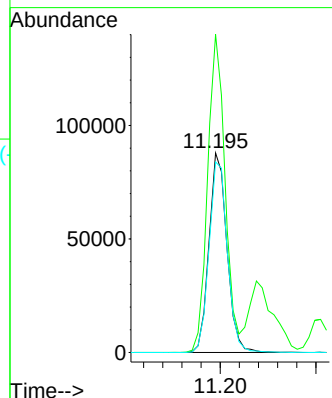
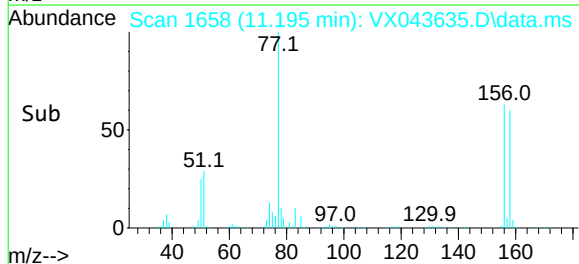
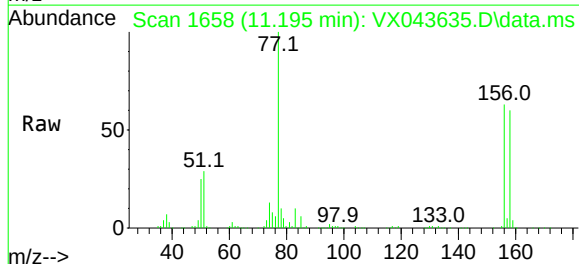
158 97.8 48.0 144.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#78

n-propylbenzene

Concen: 50.290 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX043635.D

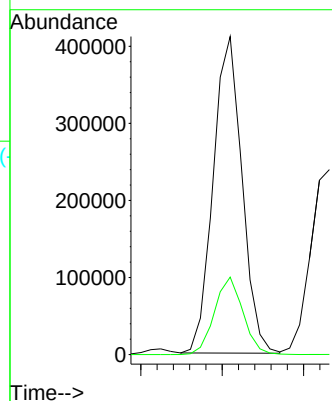
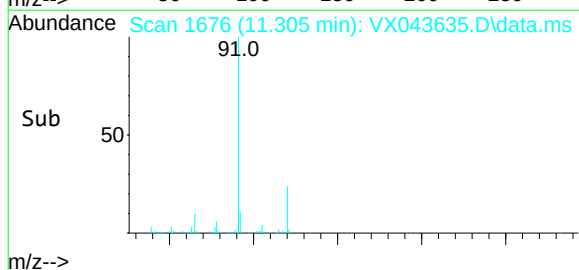
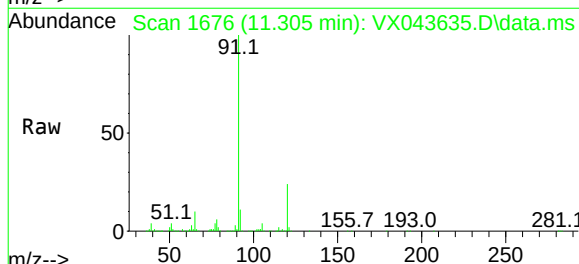
Acq: 30 Oct 2024 19:25

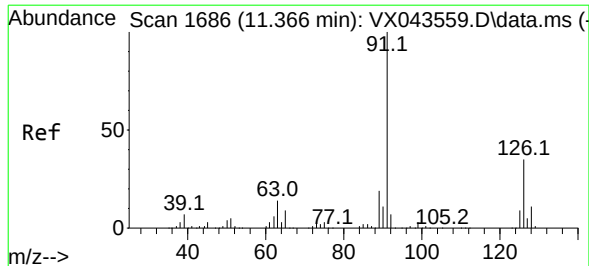
Tgt Ion: 91 Resp: 506292

Ion Ratio Lower Upper

91 100

120 24.2 11.6 34.7





#79

2-Chlorotoluene

Concen: 46.876 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 312933

Ion Ratio Lower Upper

91 100

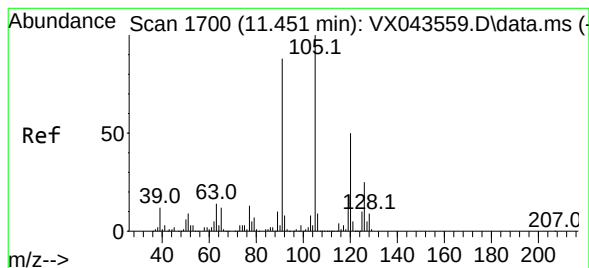
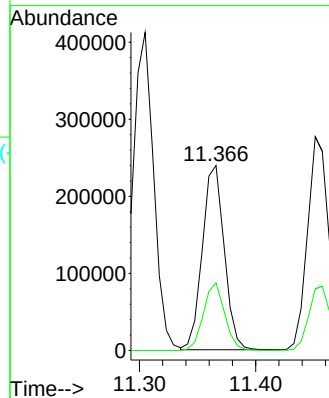
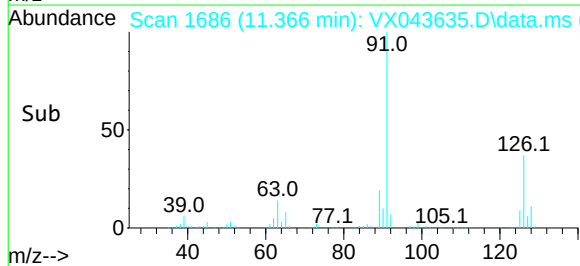
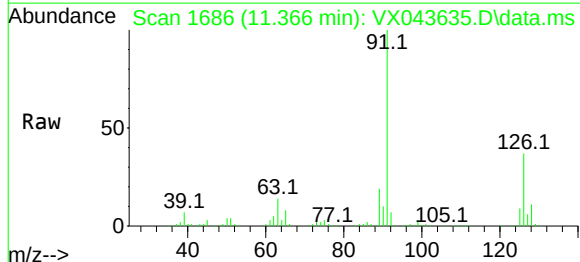
126 35.7 16.7 50.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#80

1,3,5-Trimethylbenzene

Concen: 49.526 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043635.D

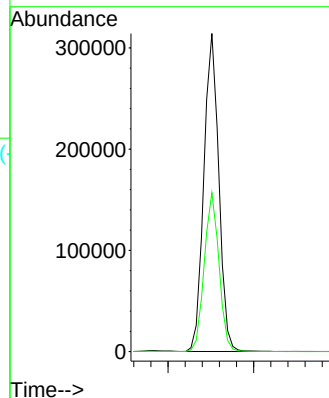
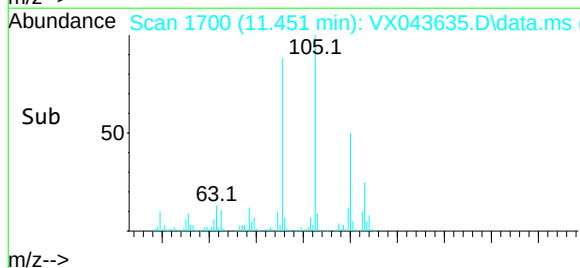
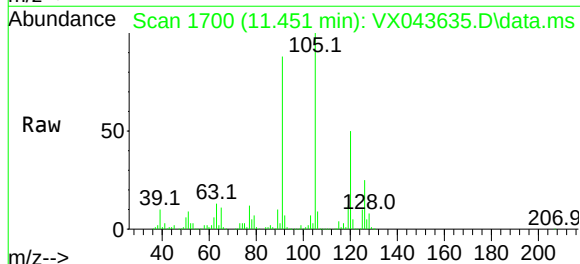
Acq: 30 Oct 2024 19:25

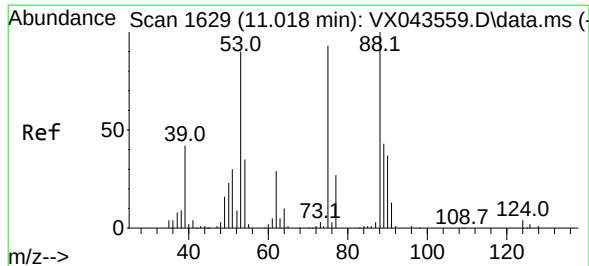
Tgt Ion:105 Resp: 381288

Ion Ratio Lower Upper

105 100

120 49.3 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 45.896 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 46497

Ion Ratio Lower Upper

75 100

53 95.7 84.6 126.8

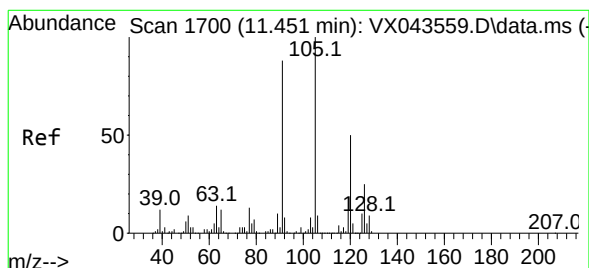
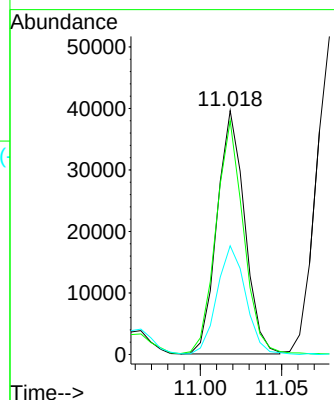
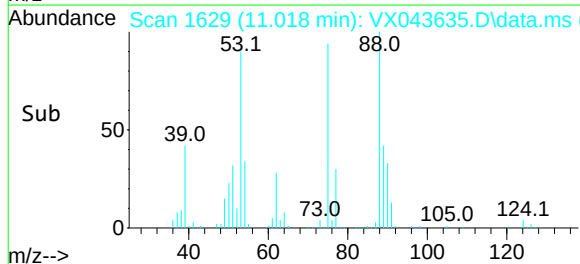
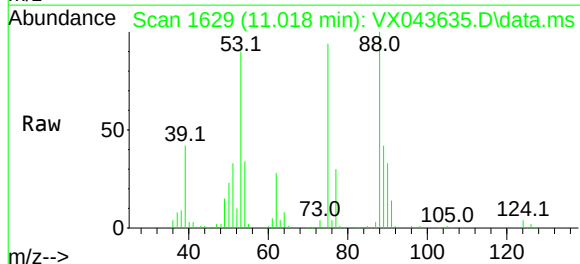
89 46.7 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#82

4-Chlorotoluene

Concen: 47.649 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043635.D

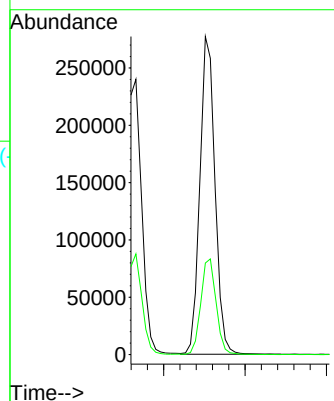
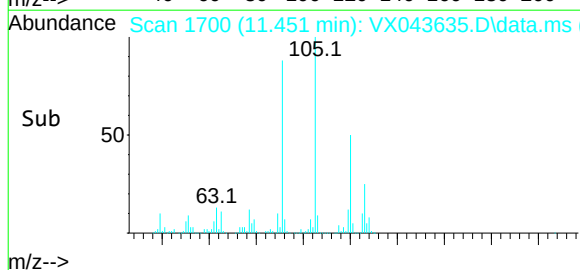
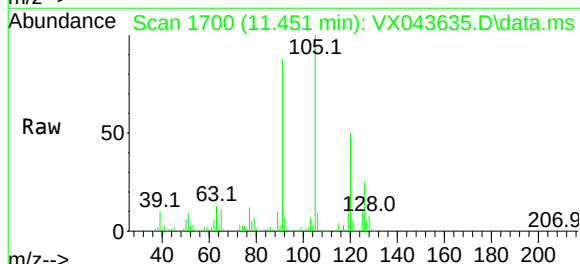
Acq: 30 Oct 2024 19:25

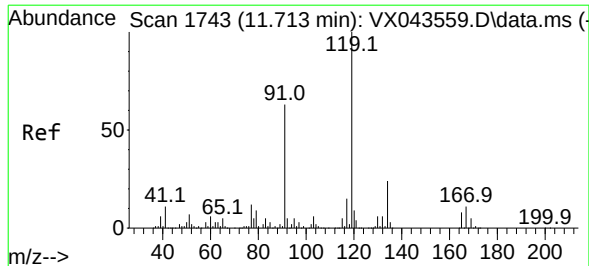
Tgt Ion: 91 Resp: 357029

Ion Ratio Lower Upper

91 100

126 30.6 14.2 42.8





#83

tert-Butylbenzene

Concen: 50.251 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 393454

Ion Ratio Lower Upper

119 100

91 57.6 29.5 88.5

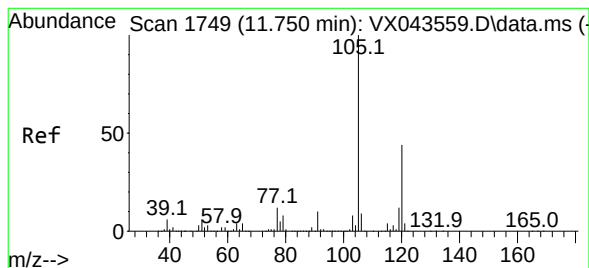
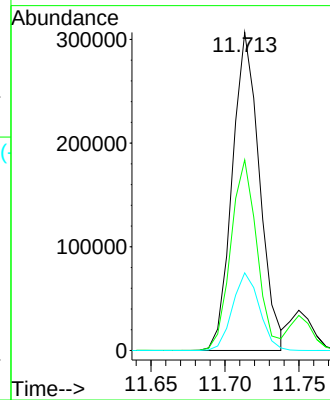
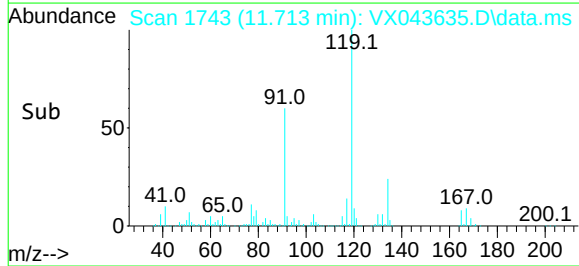
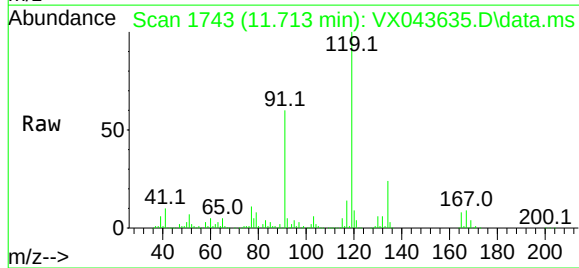
134 24.0 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#84

1,2,4-Trimethylbenzene

Concen: 49.359 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043635.D

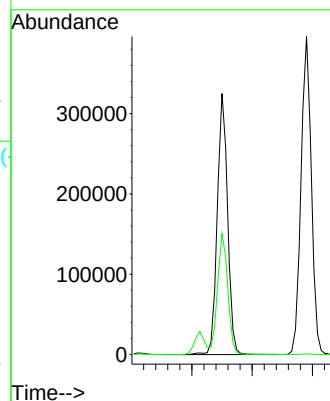
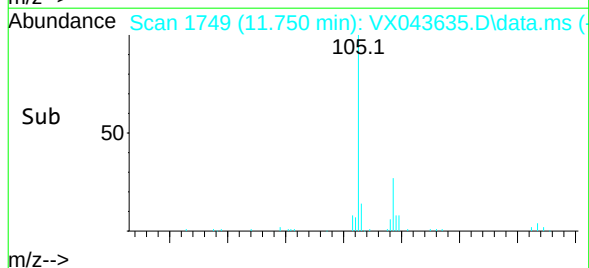
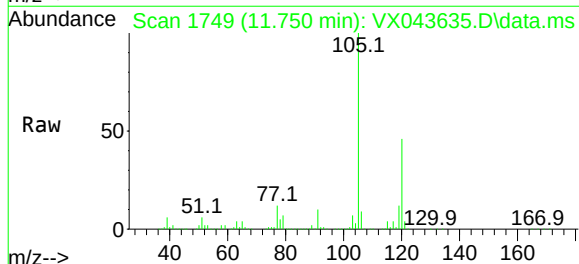
Acq: 30 Oct 2024 19:25

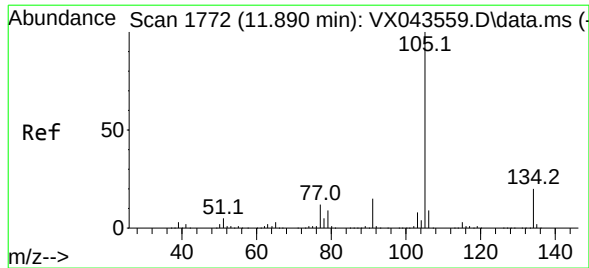
Tgt Ion:105 Resp: 387269

Ion Ratio Lower Upper

105 100

120 46.4 22.1 66.1





#85

sec-Butylbenzene

Concen: 51.265 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 470486

Ion Ratio Lower Upper

105 100

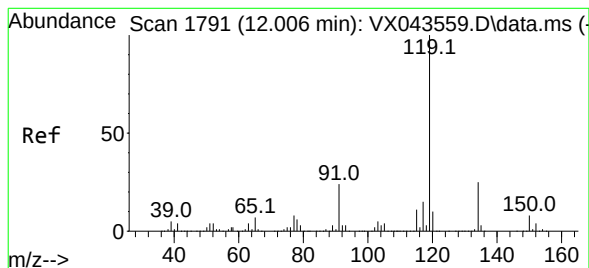
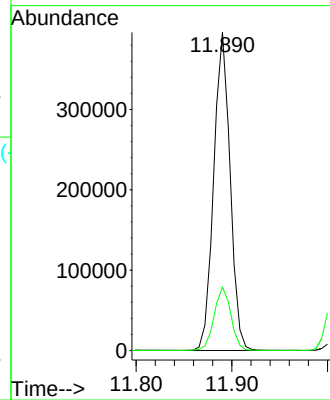
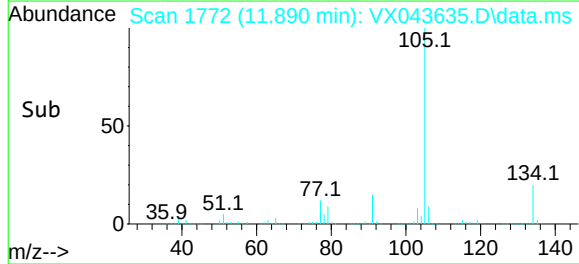
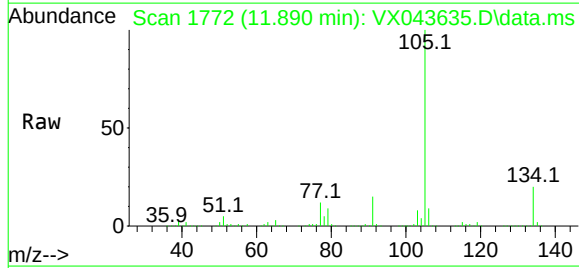
134 20.4 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#86

p-Isopropyltoluene

Concen: 51.708 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

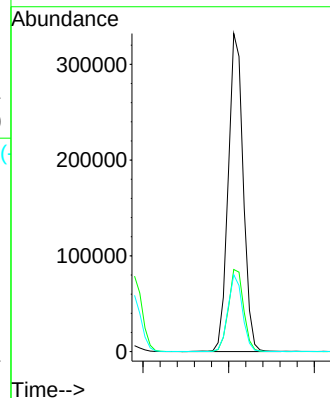
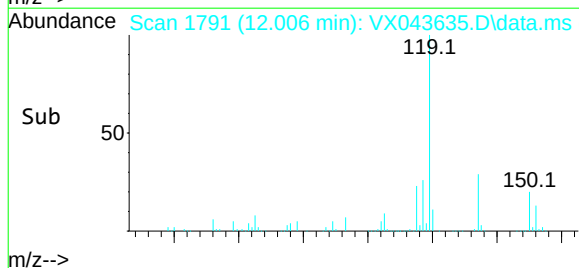
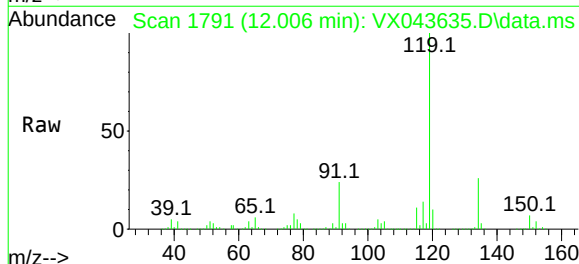
Tgt Ion:119 Resp: 403373

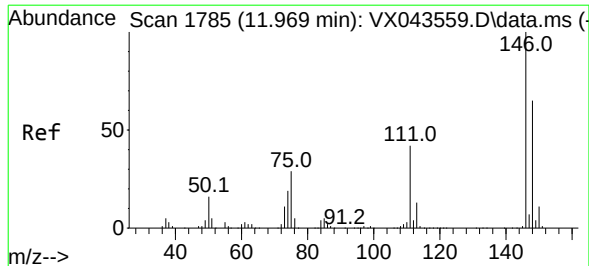
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 23.5 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 48.692 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043635.D

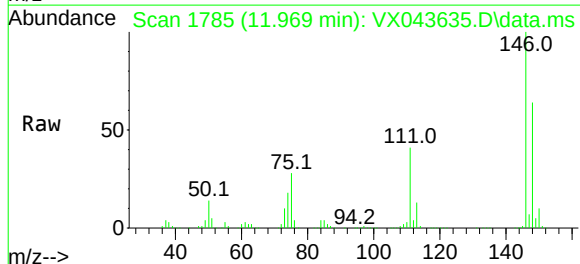
Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion:146 Resp: 208079

Ion Ratio Lower Upper

146 100

111 41.3 21.1 63.4

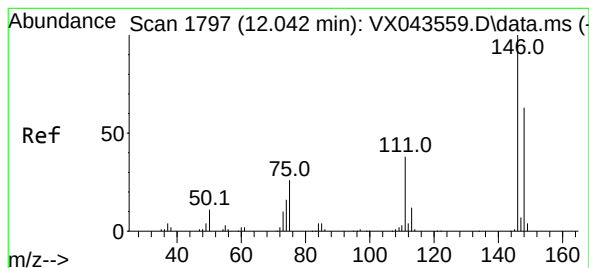
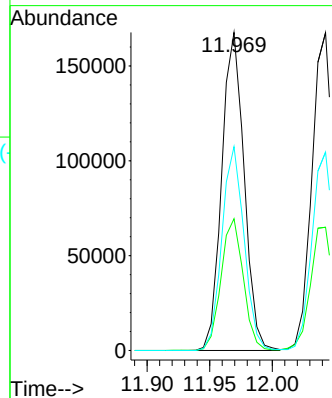
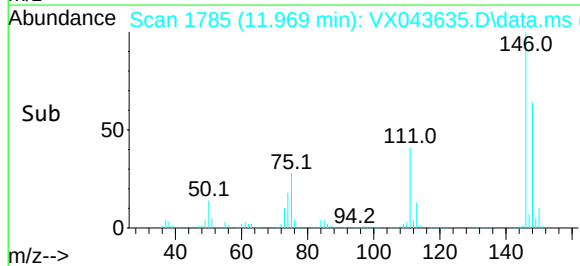
148 63.8 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#88

1,4-Dichlorobenzene

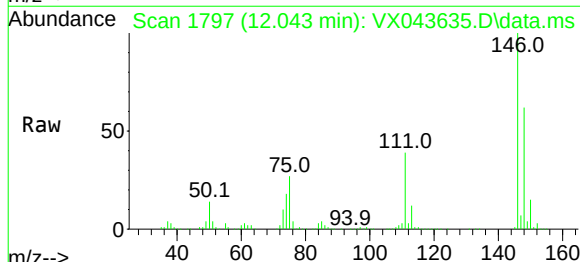
Concen: 46.988 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25



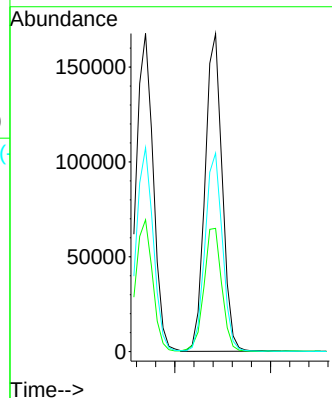
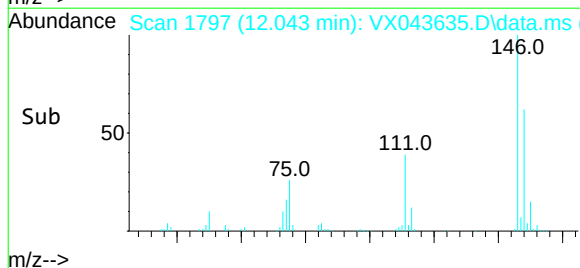
Tgt Ion:146 Resp: 208065

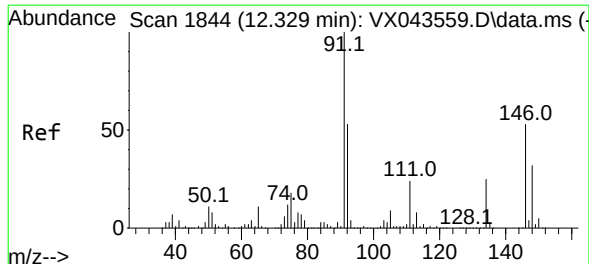
Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.3

148 63.4 31.9 95.9





#89

n-Butylbenzene

Concen: 52.283 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 332343

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.2

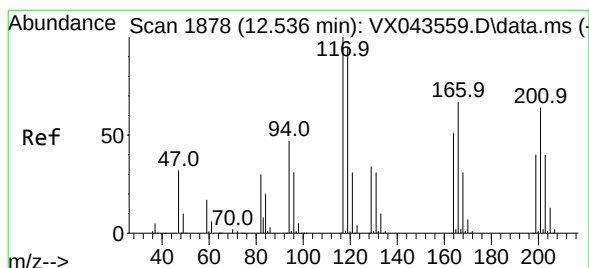
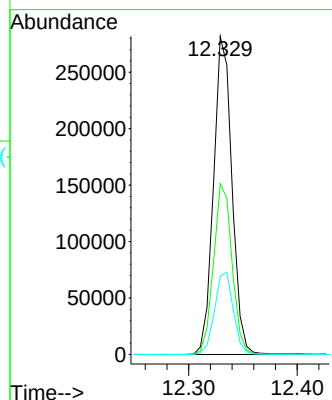
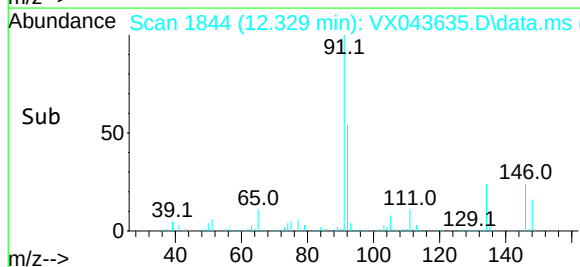
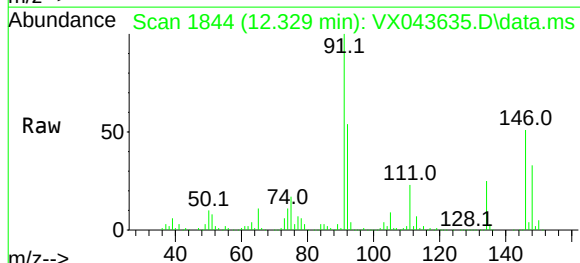
134 26.3 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#90

Hexachloroethane

Concen: 51.448 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043635.D

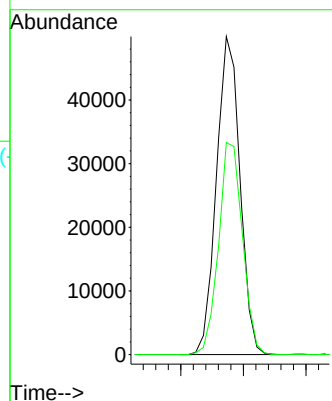
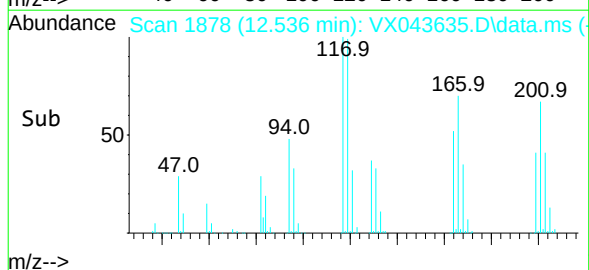
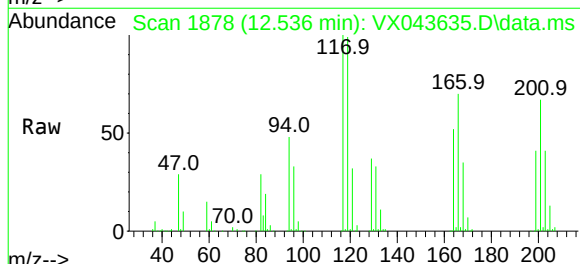
Acq: 30 Oct 2024 19:25

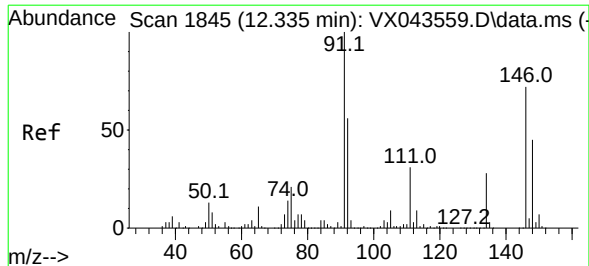
Tgt Ion:117 Resp: 65193

Ion Ratio Lower Upper

117 100

201 67.8 32.9 98.7





#91

1,2-Dichlorobenzene

Concen: 49.363 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043635.D

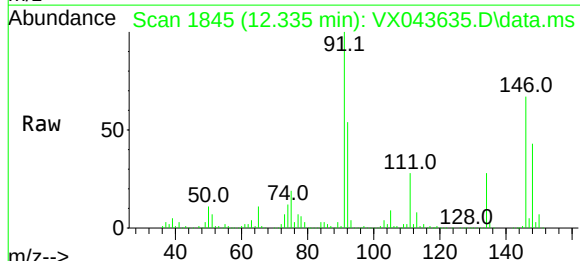
Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion:146 Resp: 215706

Ion Ratio Lower Upper

146 100

111 43.0 21.6 64.6

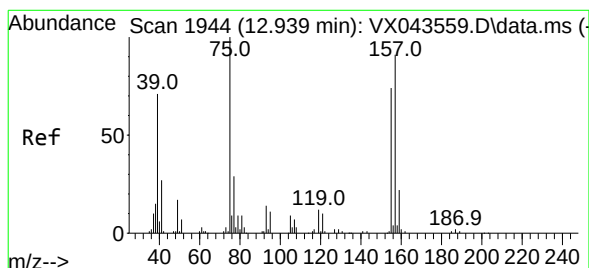
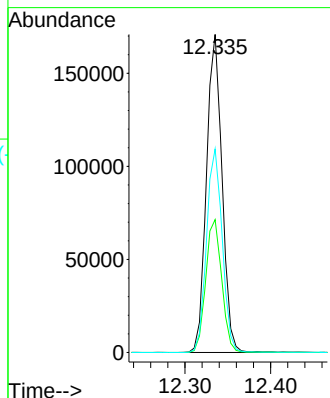
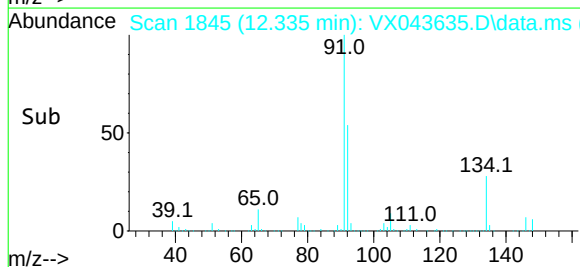
148 64.7 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.175 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

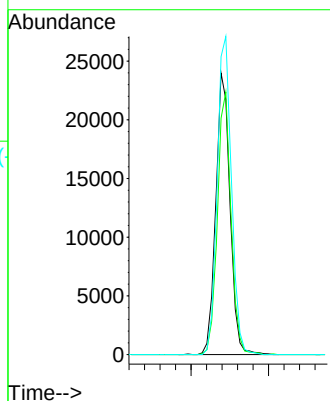
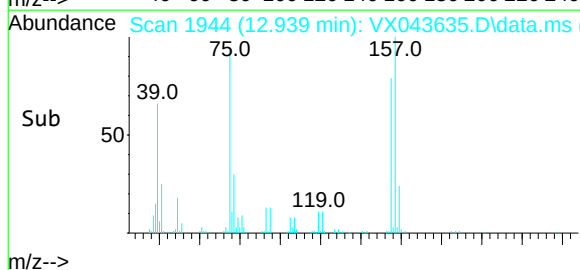
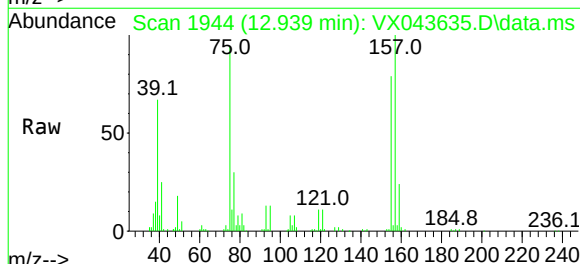
Tgt Ion: 75 Resp: 30578

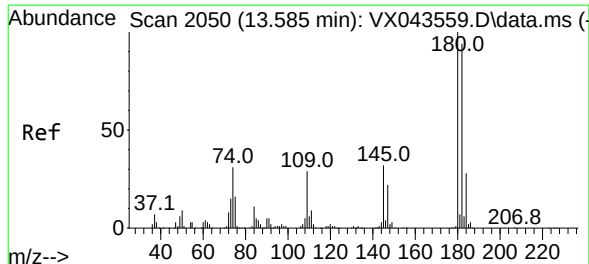
Ion Ratio Lower Upper

75 100

155 89.5 40.1 120.3

157 113.3 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 50.359 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:180 Resp: 133572

Ion Ratio Lower Upper

180 100

182 94.9 46.8 140.4

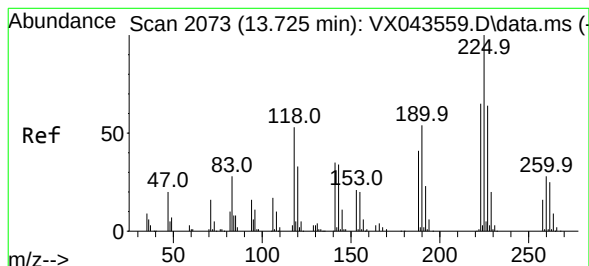
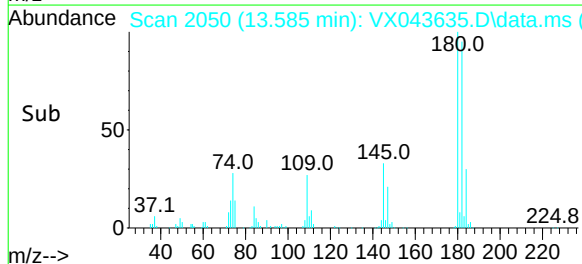
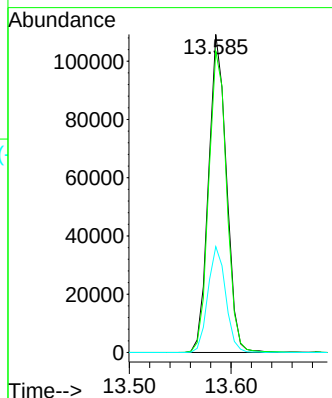
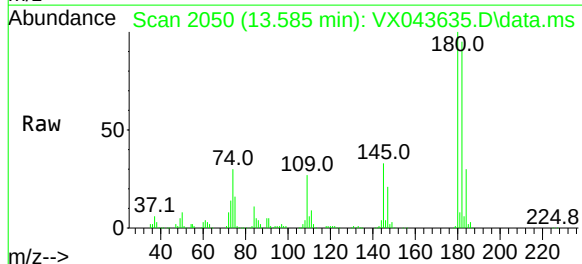
145 33.0 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#94

Hexachlorobutadiene

Concen: 51.196 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25

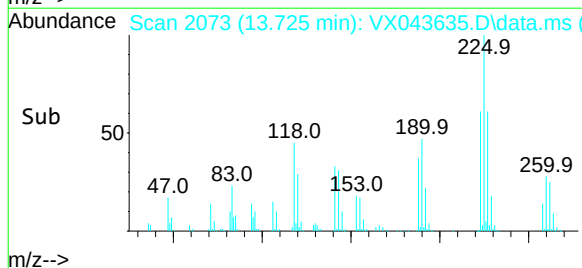
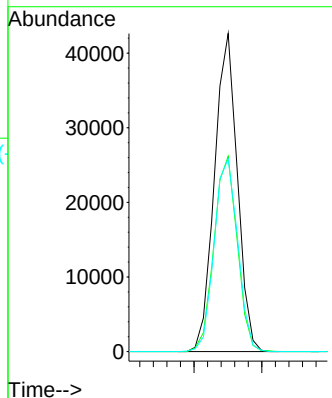
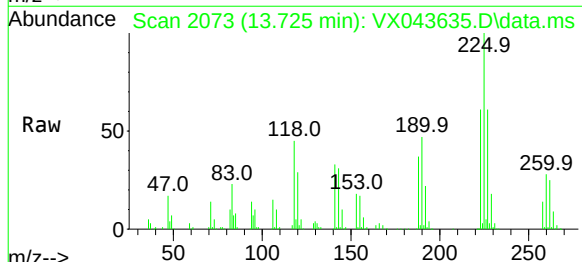
Tgt Ion:225 Resp: 50067

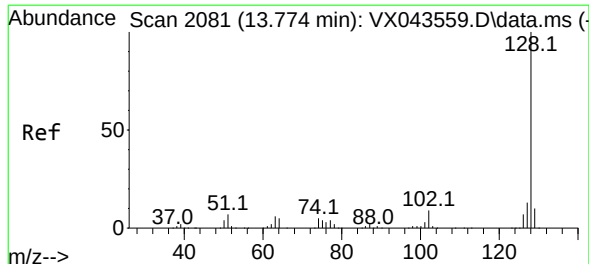
Ion Ratio Lower Upper

225 100

223 62.4 30.8 92.4

227 62.3 31.6 94.8





#95

Naphthalene

Concen: 49.090 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043635.D

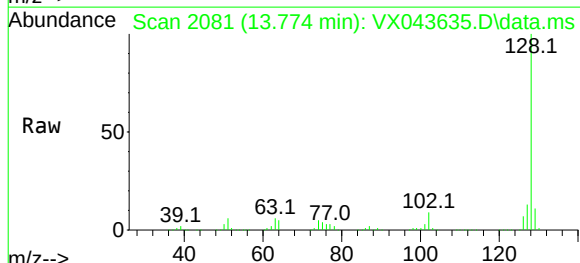
Acq: 30 Oct 2024 19:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

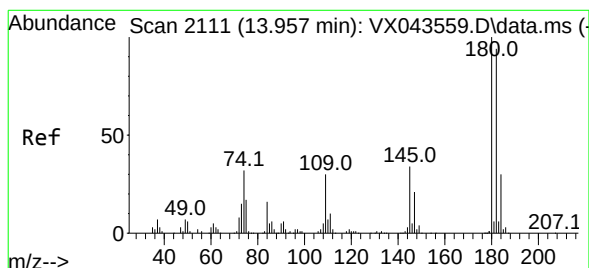
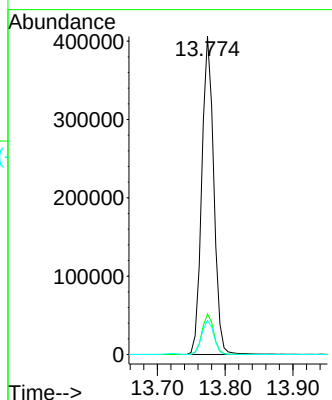
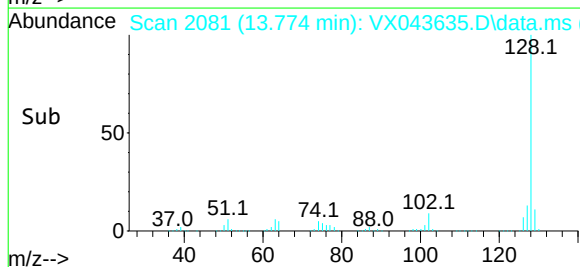


Tgt Ion:	128	Resp:	498265
Ion Ratio	100	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#96

1,2,3-Trichlorobenzene

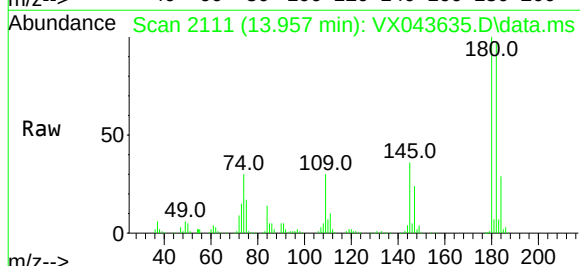
Concen: 49.201 ug/l

RT: 13.957 min Scan# 2111

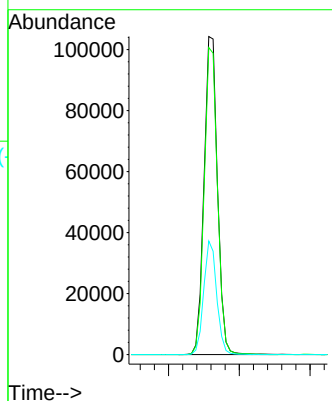
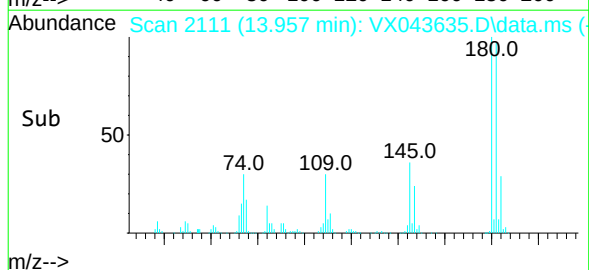
Delta R.T. -0.006 min

Lab File: VX043635.D

Acq: 30 Oct 2024 19:25



Tgt Ion:	180	Resp:	137595
Ion Ratio	100	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	34.5	17.4	52.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043635.D
 Acq On : 30 Oct 2024 19:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	120	0.00
2 T	Dichlorodifluoromethane	0.535	0.445	16.8	105	0.00
3 P	Chloromethane	0.684	0.543	20.6	100	0.00
4 C	Vinyl Chloride	0.634	0.564	11.0#	106	0.00
5 T	Bromomethane	0.259	0.219	15.4	100	0.00
6 T	Chloroethane	0.223	0.211	5.4	112	0.00
7 T	Trichlorofluoromethane	0.775	0.774	0.1	119	0.00
8 T	Diethyl Ether	0.358	0.326	8.9	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.524	0.512	2.3	117	0.00
10 T	Methyl Iodide	0.757	0.717	5.3	110	0.00
11 T	Tert butyl alcohol	0.149	0.116	22.1	89	-0.04
12 CM	1,1-Dichloroethene	0.536	0.517	3.5#	115	0.00
13 T	Acrolein	0.116	0.091	21.6	100	0.00
14 T	Allyl chloride	0.926	0.822	11.2	103	0.00
15 T	Acrylonitrile	0.336	0.296	11.9	102	0.00
16 T	Acetone	0.317	0.239	24.6	92	0.00
17 T	Carbon Disulfide	1.120	0.960	14.3	101	0.00
18 T	Methyl Acetate	0.925	0.760	17.8	98	0.00
19 T	Methyl tert-butyl Ether	2.037	1.790	12.1	103	0.00
20 T	Methylene Chloride	0.682	0.581	14.8	105	0.00
21 T	trans-1,2-Dichloroethene	0.566	0.535	5.5	114	0.00
22 T	Diisopropyl ether	1.915	1.685	12.0	103	0.00
23 T	Vinyl Acetate	1.582	1.402	11.4	99	0.00
24 P	1,1-Dichloroethane	1.101	0.987	10.4	106	0.00
25 T	2-Butanone	0.462	0.385	16.7	95	0.00
26 T	2,2-Dichloropropane	0.901	0.720	20.1	97	0.00
27 T	cis-1,2-Dichloroethene	0.723	0.674	6.8	109	0.00
28 T	Bromochloromethane	0.524	0.458	12.6	108	0.00
29 T	Tetrahydrofuran	0.300	0.252	16.0	97	0.00
30 C	Chloroform	1.154	1.034	10.4#	106	0.00
31 T	Cyclohexane	0.842	0.768	8.8	110	0.00
32 T	1,1,1-Trichloroethane	0.969	0.899	7.2	109	0.00
33 S	1,2-Dichloroethane-d4	0.797	0.669	16.1	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
35 S	Dibromofluoromethane	0.339	0.326	3.8	111	0.00
36 T	1,1-Dichloropropene	0.402	0.380	5.5	112	0.00
37 T	Ethyl Acetate	0.488	0.432	11.5	98	0.00
38 T	Carbon Tetrachloride	0.444	0.428	3.6	110	0.00
39 T	Methylcyclohexane	0.499	0.480	3.8	108	0.00
40 TM	Benzene	1.341	1.267	5.5	107	0.00
41 T	Methacrylonitrile	0.256	0.238	7.0	101	0.00
42 TM	1,2-Dichloroethane	0.482	0.417	13.5	96	0.00
43 T	Isopropyl Acetate	0.807	0.710	12.0	97	0.00
44 TM	Trichloroethene	0.333	0.330	0.9	112	0.00
45 C	1,2-Dichloropropane	0.330	0.310	6.1#	105	0.00
46 T	Dibromomethane	0.254	0.229	9.8	101	0.00
47 T	Bromodichloromethane	0.446	0.419	6.1	101	0.00
48 T	Methyl methacrylate	0.383	0.347	9.4	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043635.D
 Acq On : 30 Oct 2024 19:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	0.008	0.008	0.0	117	0.00
50 S	Toluene-d8	1.174	1.177	-0.3	115	0.00
51 T	4-Methyl-2-Pentanone	0.492	0.448	8.9	98	0.00
52 CM	Toluene	0.813	0.799	1.7#	109	0.00
53 T	t-1,3-Dichloropropene	0.479	0.441	7.9	99	0.00
54 T	cis-1,3-Dichloropropene	0.510	0.489	4.1	103	0.00
55 T	1,1,2-Trichloroethane	0.339	0.325	4.1	105	0.00
56 T	Ethyl methacrylate	0.550	0.520	5.5	101	0.00
57 T	1,3-Dichloropropane	0.563	0.533	5.3	103	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.243	8.6	104	0.00
59 T	2-Hexanone	0.374	0.340	9.1	97	0.00
60 T	Dibromochloromethane	0.335	0.331	1.2	103	0.00
61 T	1,2-Dibromoethane	0.351	0.336	4.3	105	0.00
62 S	4-Bromofluorobenzene	0.435	0.419	3.7	108	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
64 T	Tetrachloroethene	0.314	0.330	-5.1	120	0.00
65 PM	Chlorobenzene	1.076	1.030	4.3	108	0.00
66 T	1,1,1,2-Tetrachloroethane	0.351	0.355	-1.1	107	0.00
67 C	Ethyl Benzene	1.754	1.709	2.6#	108	0.00
68 T	m/p-Xylenes	0.671	0.675	-0.6	110	0.00
69 T	o-Xylene	0.674	0.674	0.0	110	0.00
70 T	Styrene	1.120	1.139	-1.7	108	0.00
71 P	Bromoform	0.253	0.252	0.4	103	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
73 T	Isopropylbenzene	3.542	3.515	0.8	112	0.00
74 T	N-amyl acetate	1.725	1.572	8.9	101	0.00
75 P	1,1,2,2-Tetrachloroethane	1.274	1.189	6.7	105	0.00
76 T	1,2,3-Trichloropropane	1.069	0.943	11.8	100	0.00
77 T	Bromobenzene	0.915	0.876	4.3	108	0.00
78 T	n-propylbenzene	3.862	3.884	-0.6	111	0.00
79 T	2-Chlorotoluene	2.561	2.401	6.2	108	0.00
80 T	1,3,5-Trimethylbenzene	2.953	2.925	0.9	109	0.00
81 T	trans-1,4-Dichloro-2-butene	0.389	0.357	8.2	97	0.00
82 T	4-Chlorotoluene	2.874	2.739	4.7	108	0.00
83 T	tert-Butylbenzene	3.003	3.018	-0.5	113	0.00
84 T	1,2,4-Trimethylbenzene	3.010	2.971	1.3	109	0.00
85 T	sec-Butylbenzene	3.520	3.609	-2.5	113	0.00
86 T	p-Isopropyltoluene	2.992	3.095	-3.4	113	0.00
87 T	1,3-Dichlorobenzene	1.639	1.596	2.6	110	0.00
88 T	1,4-Dichlorobenzene	1.699	1.596	6.1	110	0.00
89 T	n-Butylbenzene	2.438	2.550	-4.6	111	0.00
90 T	Hexachloroethane	0.486	0.500	-2.9	109	0.00
91 T	1,2-Dichlorobenzene	1.676	1.655	1.3	109	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.260	0.235	9.6	95	0.00
93 T	1,2,4-Trichlorobenzene	1.017	1.025	-0.8	108	0.00
94 T	Hexachlorobutadiene	0.375	0.384	-2.4	117	0.00
95 T	Naphthalene	3.893	3.823	1.8	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
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	1.073	1.056	1.6	109	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043635.D
 Acq On : 30 Oct 2024 19:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	120	0.00
2 T	Dichlorodifluoromethane	50.000	41.589	16.8	105	0.00
3 P	Chloromethane	50.000	39.732	20.5	100	0.00
4 C	Vinyl Chloride	50.000	44.452	11.1#	106	0.00
5 T	Bromomethane	50.000	42.395	15.2	100	0.00
6 T	Chloroethane	50.000	47.116	5.8	112	0.00
7 T	Trichlorofluoromethane	50.000	49.946	0.1	119	0.00
8 T	Diethyl Ether	50.000	45.591	8.8	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.808	2.4	117	0.00
10 T	Methyl Iodide	50.000	47.361	5.3	110	0.00
11 T	Tert butyl alcohol	250.000	195.641	21.7	89	-0.04
12 CM	1,1-Dichloroethene	50.000	48.221	3.6#	115	0.00
13 T	Acrolein	250.000	195.607	21.8	100	0.00
14 T	Allyl chloride	50.000	44.352	11.3	103	0.00
15 T	Acrylonitrile	250.000	220.072	12.0	102	0.00
16 T	Acetone	250.000	188.800	24.5	92	0.00
17 T	Carbon Disulfide	50.000	42.877	14.2	101	0.00
18 T	Methyl Acetate	50.000	41.043	17.9	98	0.00
19 T	Methyl tert-butyl Ether	50.000	43.949	12.1	103	0.00
20 T	Methylene Chloride	50.000	42.541	14.9	105	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.270	5.5	114	0.00
22 T	Diisopropyl ether	50.000	44.002	12.0	103	0.00
23 T	Vinyl Acetate	250.000	221.516	11.4	99	0.00
24 P	1,1-Dichloroethane	50.000	44.839	10.3	106	0.00
25 T	2-Butanone	250.000	208.407	16.6	95	0.00
26 T	2,2-Dichloropropane	50.000	39.976	20.0	97	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.591	6.8	109	0.00
28 T	Bromochloromethane	50.000	43.742	12.5	108	0.00
29 T	Tetrahydrofuran	250.000	209.558	16.2	97	0.00
30 C	Chloroform	50.000	44.816	10.4#	106	0.00
31 T	Cyclohexane	50.000	45.598	8.8	110	0.00
32 T	1,1,1-Trichloroethane	50.000	46.410	7.2	109	0.00
33 S	1,2-Dichloroethane-d4	50.000	41.925	16.2	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	114	0.00
35 S	Dibromofluoromethane	50.000	48.145	3.7	111	0.00
36 T	1,1-Dichloropropene	50.000	47.200	5.6	112	0.00
37 T	Ethyl Acetate	50.000	44.228	11.5	98	0.00
38 T	Carbon Tetrachloride	50.000	48.140	3.7	110	0.00
39 T	Methylcyclohexane	50.000	48.050	3.9	108	0.00
40 TM	Benzene	50.000	47.238	5.5	107	0.00
41 T	Methacrylonitrile	50.000	46.454	7.1	101	0.00
42 TM	1,2-Dichloroethane	50.000	43.203	13.6	96	0.00
43 T	Isopropyl Acetate	50.000	43.998	12.0	97	0.00
44 TM	Trichloroethene	50.000	49.561	0.9	112	0.00
45 C	1,2-Dichloropropane	50.000	46.915	6.2#	105	0.00
46 T	Dibromomethane	50.000	45.058	9.9	101	0.00
47 T	Bromodichloromethane	50.000	46.992	6.0	101	0.00
48 T	Methyl methacrylate	50.000	45.277	9.4	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043635.D
 Acq On : 30 Oct 2024 19:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 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	1064.890	-6.5	117	0.00
50 S	Toluene-d8	50.000	50.145	-0.3	115	0.00
51 T	4-Methyl-2-Pentanone	250.000	227.662	8.9	98	0.00
52 CM	Toluene	50.000	49.134	1.7#	109	0.00
53 T	t-1,3-Dichloropropene	50.000	46.012	8.0	99	0.00
54 T	cis-1,3-Dichloropropene	50.000	47.908	4.2	103	0.00
55 T	1,1,2-Trichloroethane	50.000	47.983	4.0	105	0.00
56 T	Ethyl methacrylate	50.000	47.299	5.4	101	0.00
57 T	1,3-Dichloropropane	50.000	47.294	5.4	103	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	228.196	8.7	104	0.00
59 T	2-Hexanone	250.000	227.247	9.1	97	0.00
60 T	Dibromochloromethane	50.000	49.353	1.3	103	0.00
61 T	1,2-Dibromoethane	50.000	47.860	4.3	105	0.00
62 S	4-Bromofluorobenzene	50.000	48.226	3.5	108	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	112	0.00
64 T	Tetrachloroethene	50.000	52.495	-5.0	120	0.00
65 PM	Chlorobenzene	50.000	47.866	4.3	108	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.585	-1.2	107	0.00
67 C	Ethyl Benzene	50.000	48.724	2.6#	108	0.00
68 T	m/p-Xylenes	100.000	100.611	-0.6	110	0.00
69 T	o-Xylene	50.000	50.021	-0.0	110	0.00
70 T	Styrene	50.000	50.824	-1.6	108	0.00
71 P	Bromoform	50.000	49.919	0.2	103	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	114	0.00
73 T	Isopropylbenzene	50.000	49.624	0.8	112	0.00
74 T	N-amyl acetate	50.000	45.567	8.9	101	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.675	6.7	105	0.00
76 T	1,2,3-Trichloropropane	50.000	44.125	11.8	100	0.00
77 T	Bromobenzene	50.000	47.913	4.2	108	0.00
78 T	n-propylbenzene	50.000	50.290	-0.6	111	0.00
79 T	2-Chlorotoluene	50.000	46.876	6.2	108	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.526	0.9	109	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.896	8.2	97	0.00
82 T	4-Chlorotoluene	50.000	47.649	4.7	108	0.00
83 T	tert-Butylbenzene	50.000	50.251	-0.5	113	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.359	1.3	109	0.00
85 T	sec-Butylbenzene	50.000	51.265	-2.5	113	0.00
86 T	p-Isopropyltoluene	50.000	51.708	-3.4	113	0.00
87 T	1,3-Dichlorobenzene	50.000	48.692	2.6	110	0.00
88 T	1,4-Dichlorobenzene	50.000	46.988	6.0	110	0.00
89 T	n-Butylbenzene	50.000	52.283	-4.6	111	0.00
90 T	Hexachloroethane	50.000	51.448	-2.9	109	0.00
91 T	1,2-Dichlorobenzene	50.000	49.363	1.3	109	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.175	9.7	95	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.359	-0.7	108	0.00
94 T	Hexachlorobutadiene	50.000	51.196	-2.4	117	0.00
95 T	Naphthalene	50.000	49.090	1.8	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.201	1.6	109	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



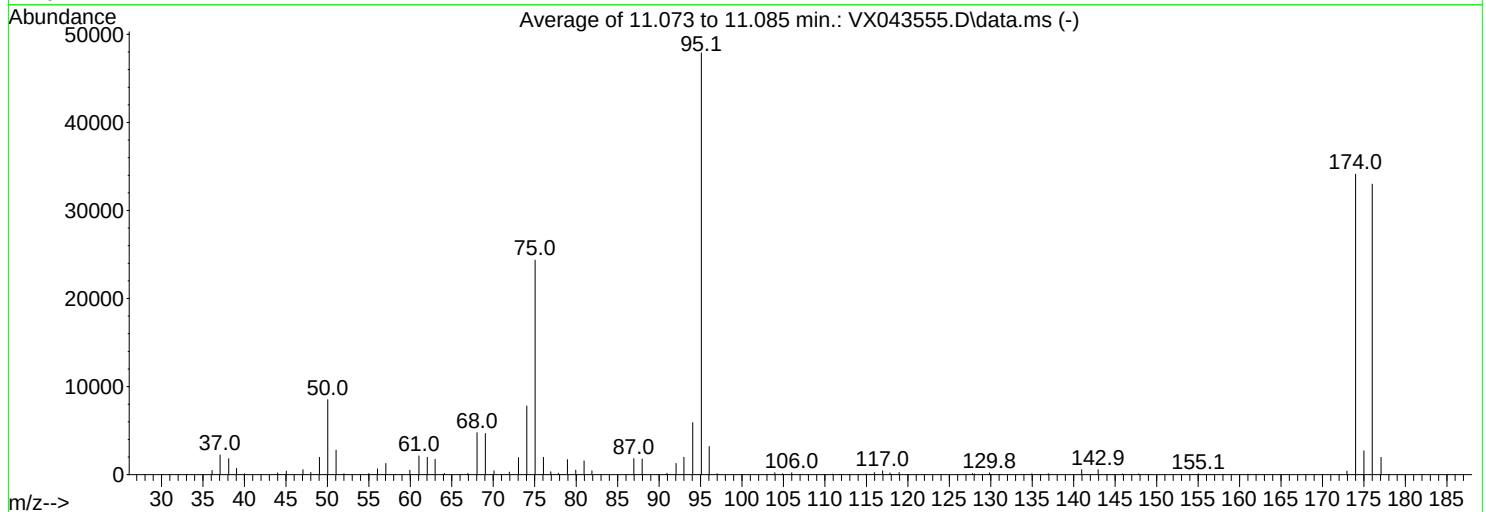
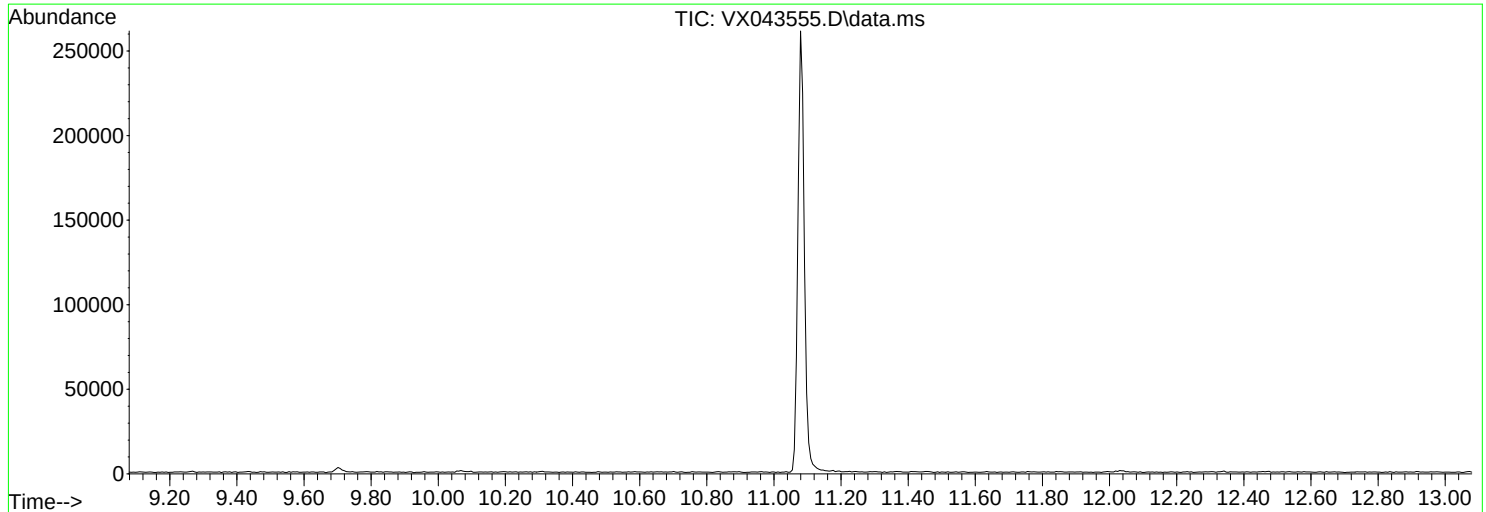
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043555.D
Acq On : 28 Oct 2024 10:09
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

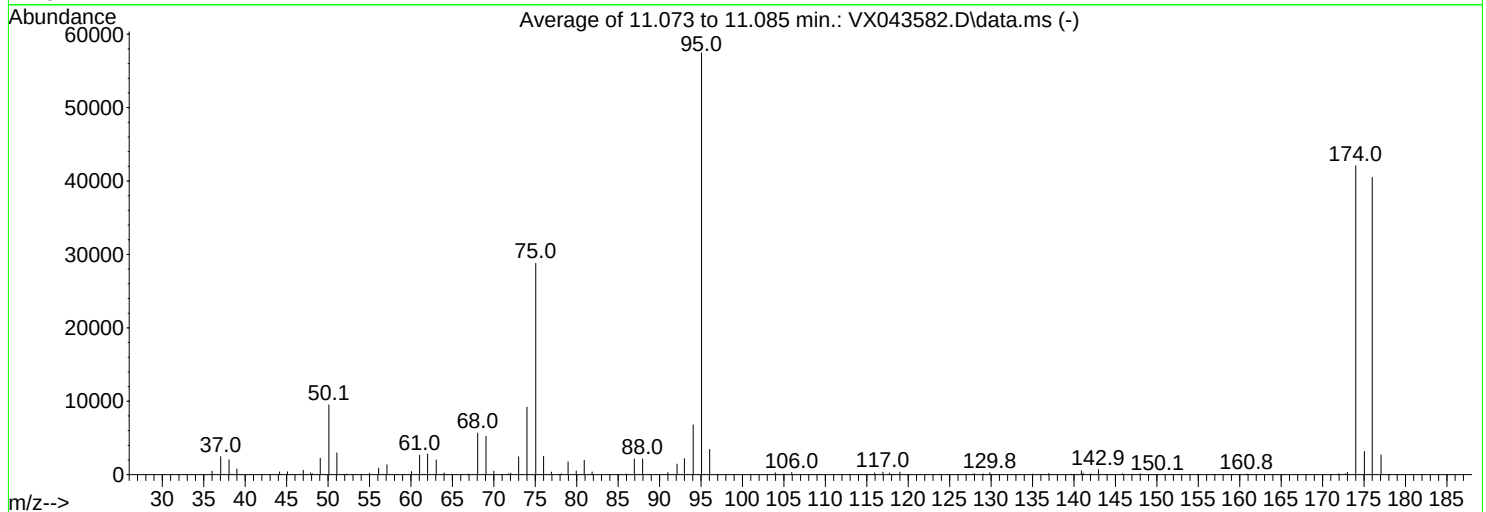
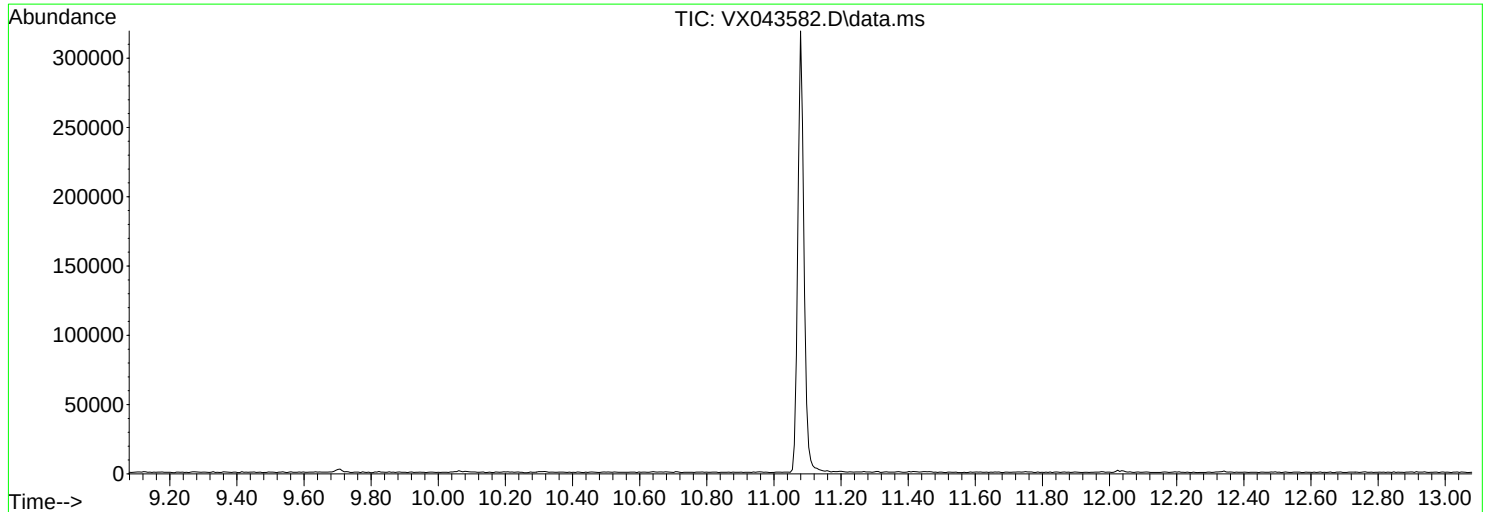
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	8521	PASS
75	95	30	60	50.9	24360	PASS
95	95	100	100	100.0	47901	PASS
96	95	5	9	6.7	3204	PASS
173	174	0.00	2	1.2	395	PASS
174	95	50	100	71.2	34123	PASS
175	174	5	9	7.9	2705	PASS
176	174	95	101	96.7	32992	PASS
177	176	5	9	6.0	1964	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043582.D
Acq On : 29 Oct 2024 08:30
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

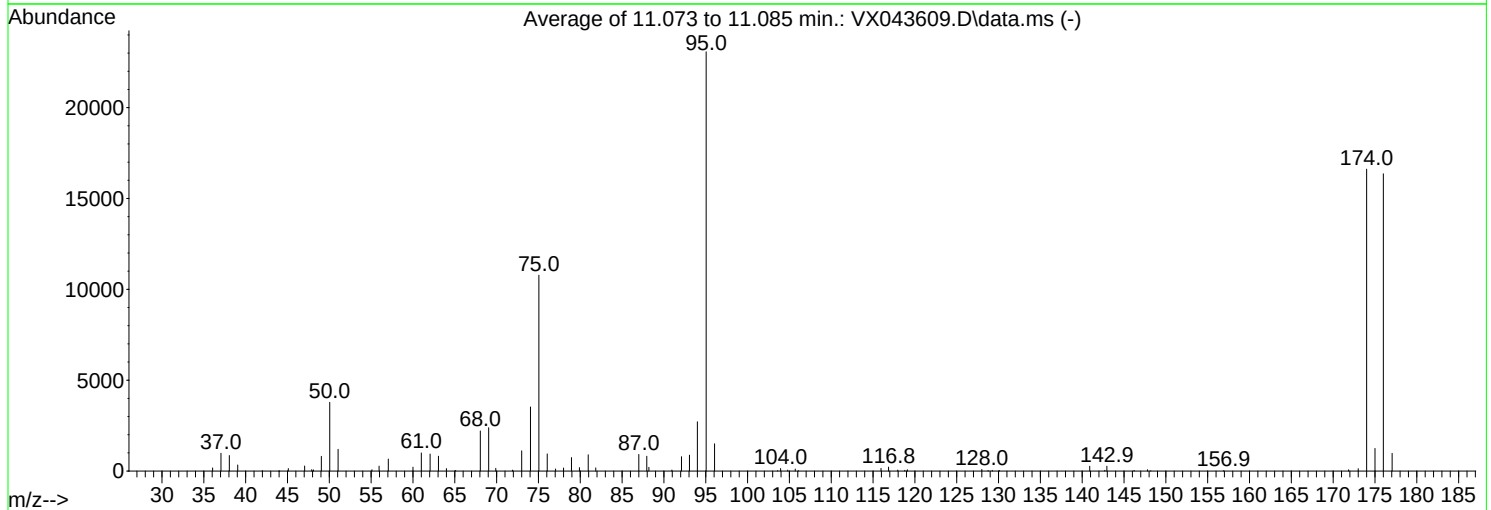
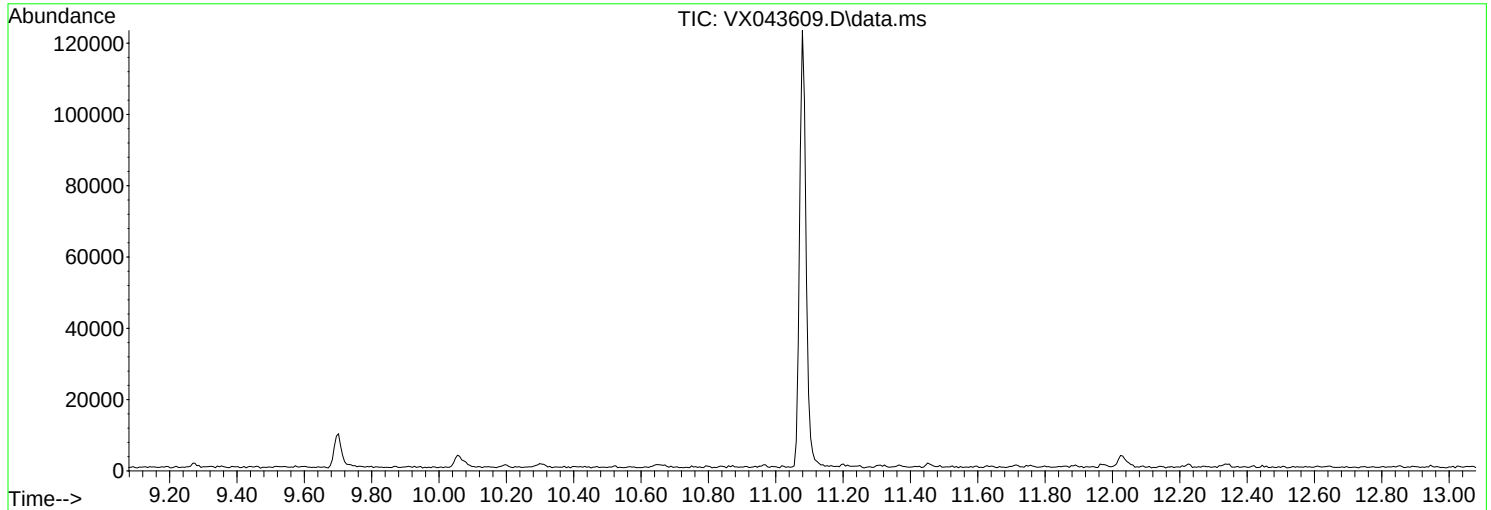
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	16.5	9509	PASS
75	95	30	60	50.1	28803	PASS
95	95	100	100	100.0	57464	PASS
96	95	5	9	6.0	3434	PASS
173	174	0.00	2	0.7	307	PASS
174	95	50	100	73.3	42096	PASS
175	174	5	9	7.5	3171	PASS
176	174	95	101	96.2	40501	PASS
177	176	5	9	6.6	2676	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043609.D
Acq On : 30 Oct 2024 08:59
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	3783	PASS
75	95	30	60	46.7	10779	PASS
95	95	100	100	100.0	23075	PASS
96	95	5	9	6.5	1504	PASS
173	174	0.00	2	0.8	133	PASS
174	95	50	100	72.0	16614	PASS
175	174	5	9	7.5	1248	PASS
176	174	95	101	98.5	16361	PASS
177	176	5	9	6.0	977	PASS

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:		
Project:	CTO WE13			Date Received:		
Client Sample ID:	VX1029WBL01			SDG No.:	P4600	
Lab Sample ID:	VX1029WBL01			Matrix:	Water	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043585.D	1		10/29/24 10:31	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX1029WBL01	SDG No.:	P4600
Lab Sample ID:	VX1029WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043585.D	1		10/29/24 10:31	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.4		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	160000	5.55				
540-36-3	1,4-Difluorobenzene	295000	6.757				
3114-55-4	Chlorobenzene-d5	266000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	128000	12.018				

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_X\Data\VX102924\
 Data File : VX043585.D
 Acq On : 29 Oct 2024 10:31
 Operator : JC/MD
 Sample : VX1029WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBL01

Quant Time: Oct 30 01:26:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	160199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	295395	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	265502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	128354	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	110928	43.426	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.860%
35) Dibromofluoromethane	5.379	113	91054	45.457	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.920%
50) Toluene-d8	8.647	98	350111	50.493	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.980%
62) 4-Bromofluorobenzene	11.079	95	129946	50.575	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.160%

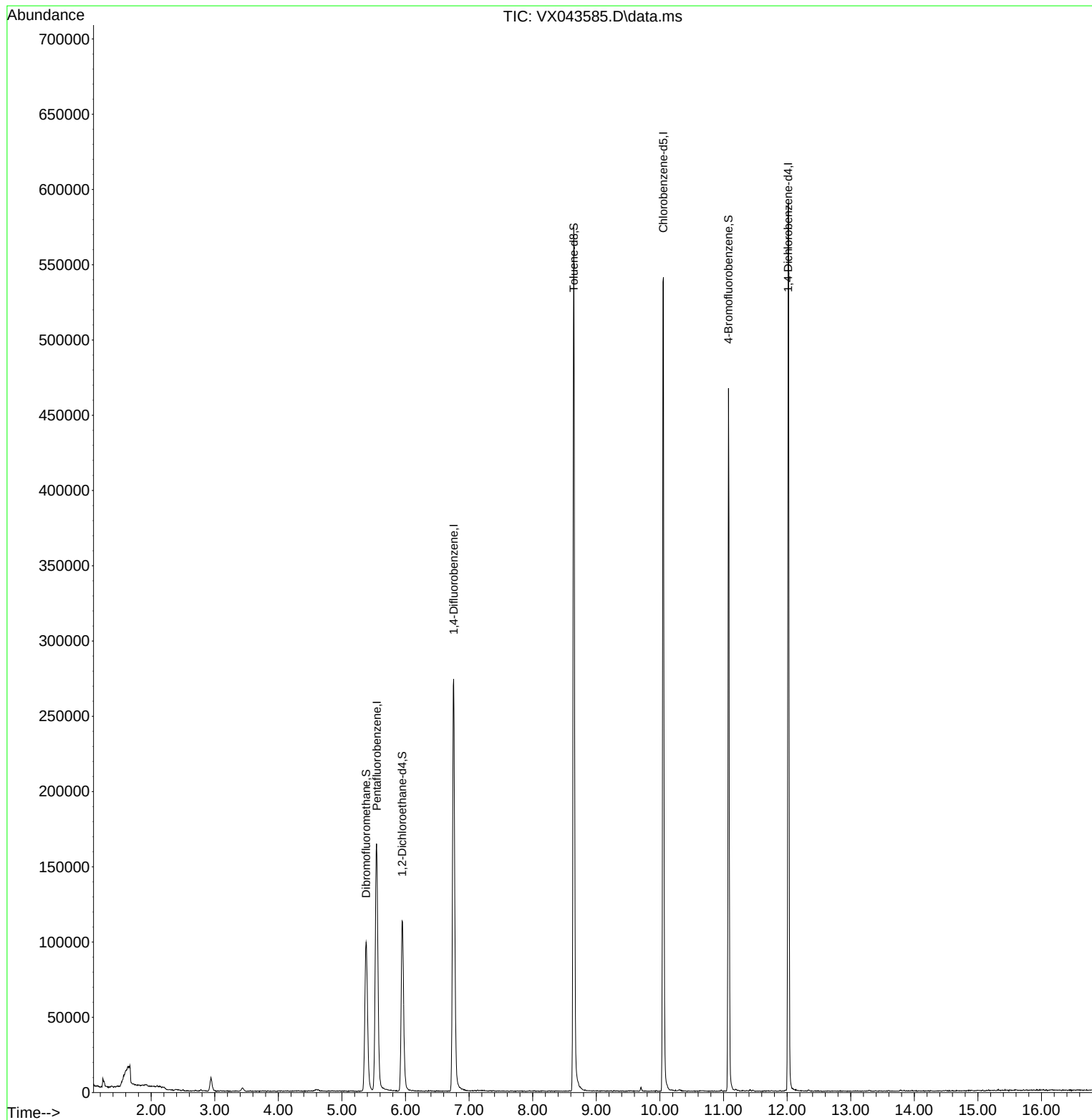
Target Compounds	Qvalue

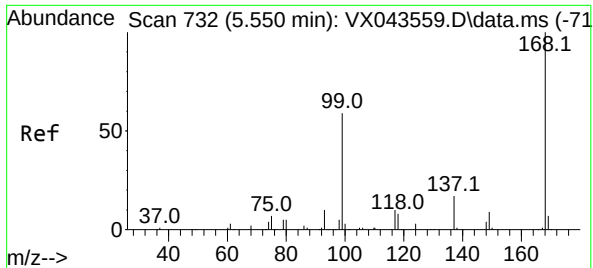
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Time: Oct 30 01:26:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

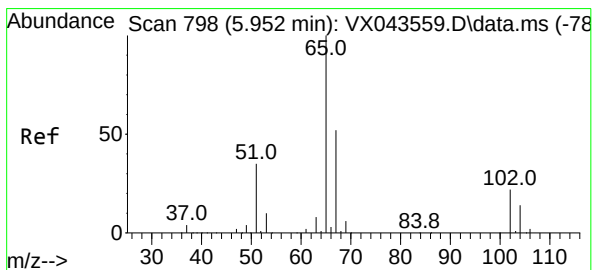
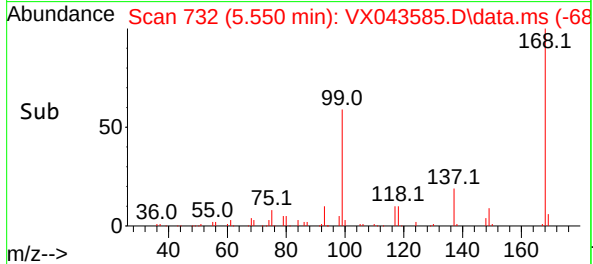
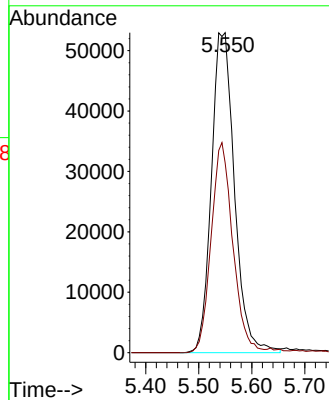
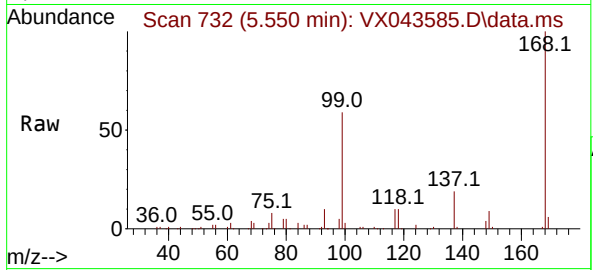




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

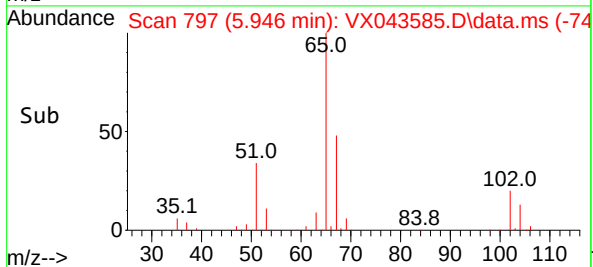
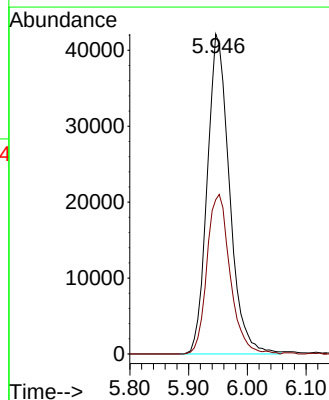
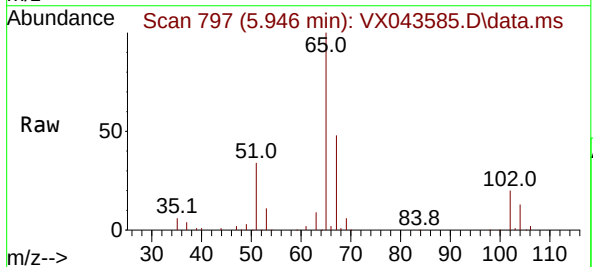
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

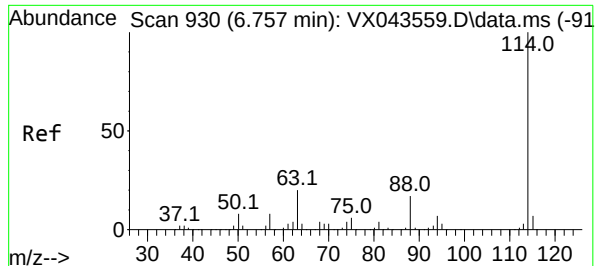
Tgt Ion:168 Resp: 160199
Ion Ratio Lower Upper
168 100
99 59.3 52.6 78.8



#33
1,2-Dichloroethane-d4
Concen: 43.426 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion: 65 Resp: 110928
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX043585.D

Acq: 29 Oct 2024 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBL01

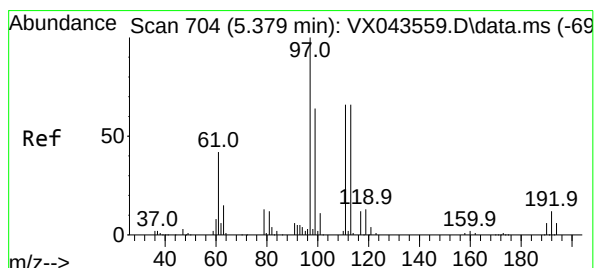
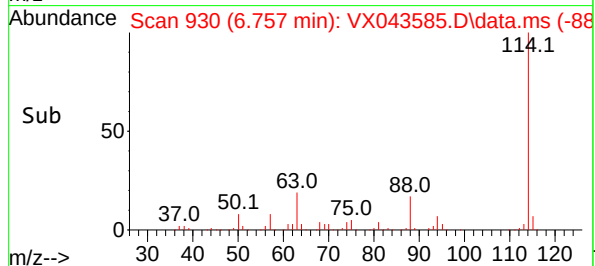
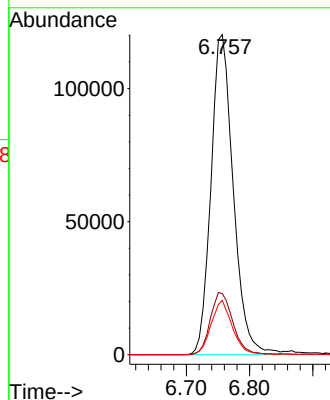
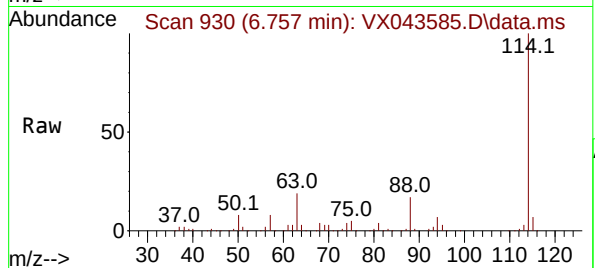
Tgt Ion:114 Resp: 295395

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.2

88 17.0 0.0 34.0



#35

Dibromofluoromethane

Concen: 45.457 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX043585.D

Acq: 29 Oct 2024 10:31

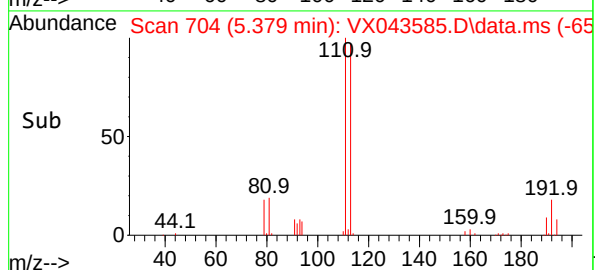
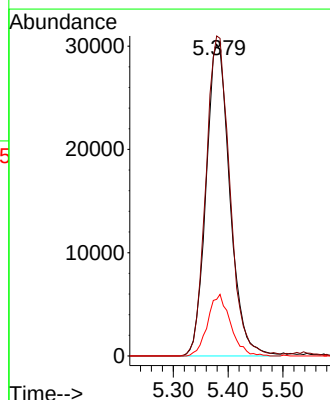
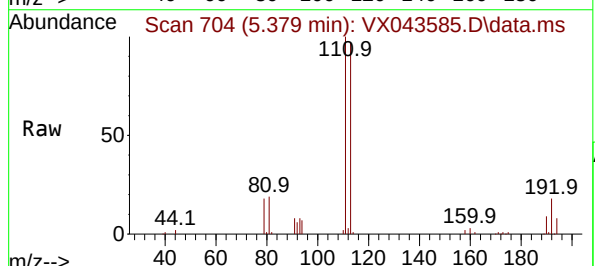
Tgt Ion:113 Resp: 91054

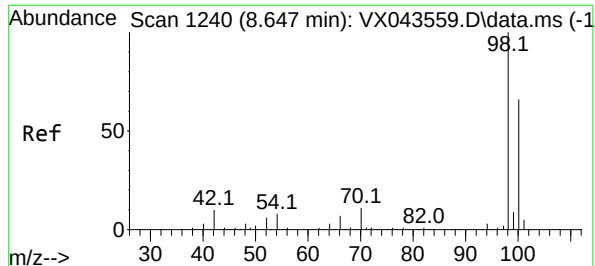
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 19.0 14.1 21.1





#50

Toluene-d8

Concen: 50.493 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043585.D

Acq: 29 Oct 2024 10:31

Instrument :

MSVOA_X

ClientSampleId :

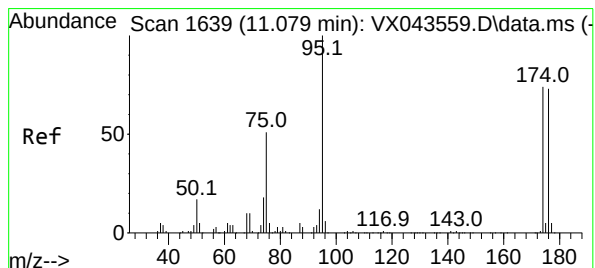
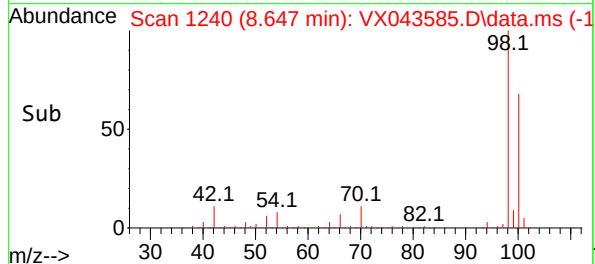
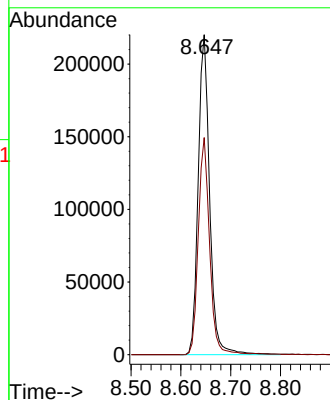
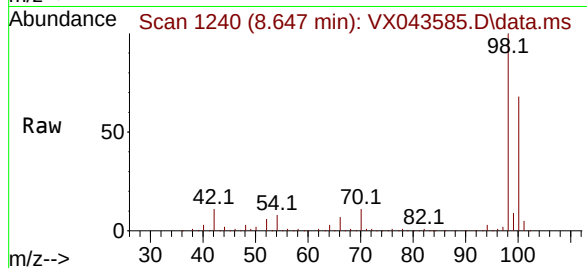
VX1029WBL01

Tgt Ion: 98 Resp: 350111

Ion Ratio Lower Upper

98 100

100 67.0 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 50.575 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043585.D

Acq: 29 Oct 2024 10:31

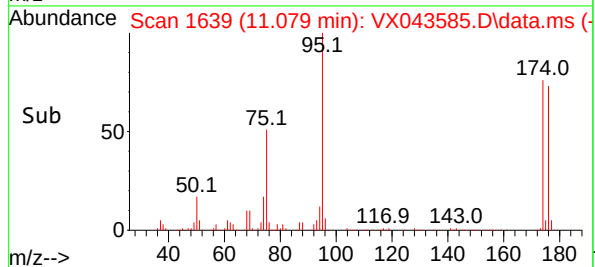
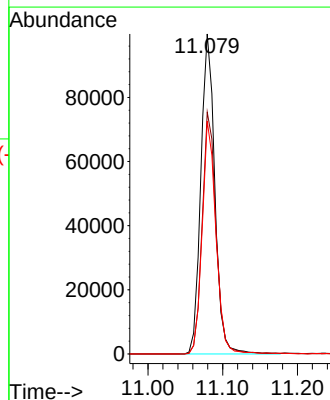
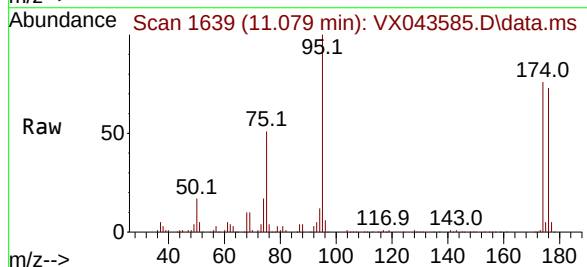
Tgt Ion: 95 Resp: 129946

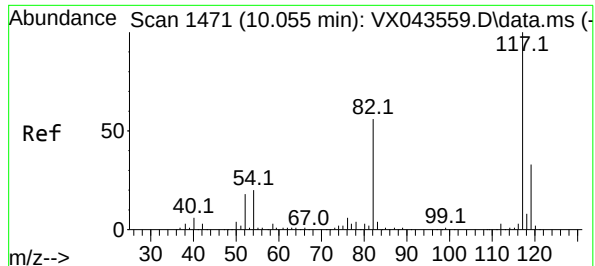
Ion Ratio Lower Upper

95 100

174 74.8 0.0 146.6

176 71.3 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043585.D

Acq: 29 Oct 2024 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBL01

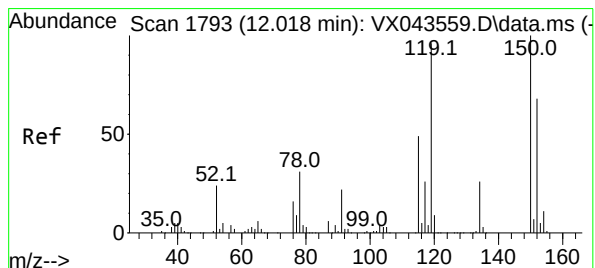
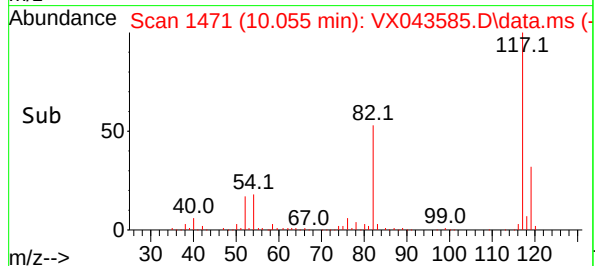
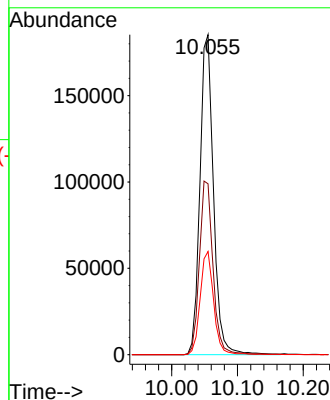
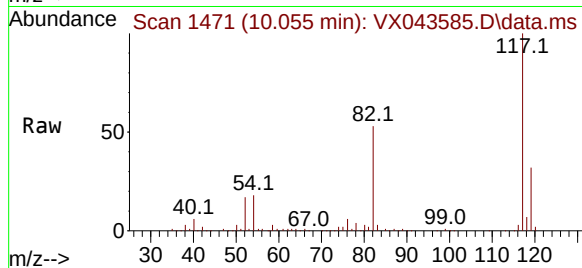
Tgt Ion:117 Resp: 265502

Ion Ratio Lower Upper

117 100

82 53.4 42.1 63.1

119 32.3 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043585.D

Acq: 29 Oct 2024 10:31

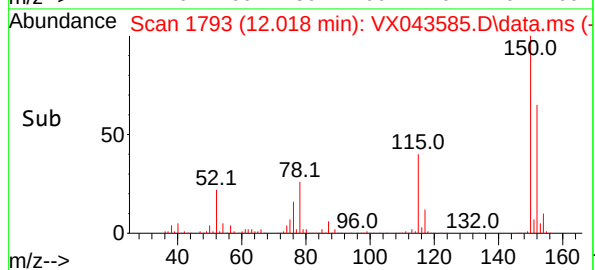
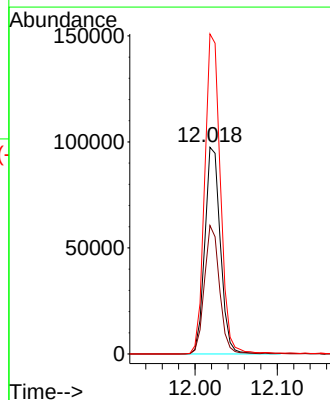
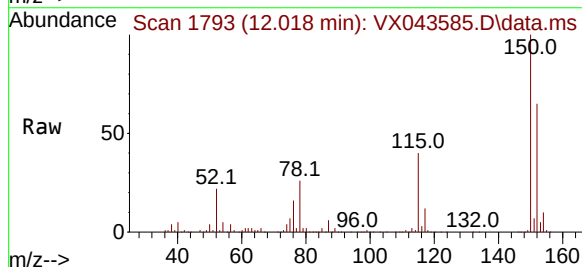
Tgt Ion:152 Resp: 128354

Ion Ratio Lower Upper

152 100

115 60.1 42.9 128.7

150 156.4 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

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_X\Method\82X102824W.M

Title : SW846 8260

Signal : TIC: VX043585.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	33	rBV2	5820	10354	1.13%	0.210%
2	1.636	69	90	91	rBV2	13385	60832	6.63%	1.236%
3	2.941	296	304	311	rBV	9049	21276	2.32%	0.432%
4	5.379	692	704	720	rBV3	98873	298272	32.51%	6.061%
5	5.544	720	731	748	rBV2	163521	477089	52.00%	9.695%
6	5.946	787	797	815	rBV	113015	307419	33.51%	6.247%
7	6.757	921	930	945	rBV	273644	673105	73.37%	13.678%
8	8.647	1233	1240	1255	rBV	573649	917416	100.00%	18.643%
9	10.055	1465	1471	1487	rBV	540530	792585	86.39%	16.106%
10	11.079	1634	1639	1654	rBV	466858	602291	65.65%	12.239%
11	12.018	1788	1793	1803	rBV	589573	760401	82.89%	15.452%

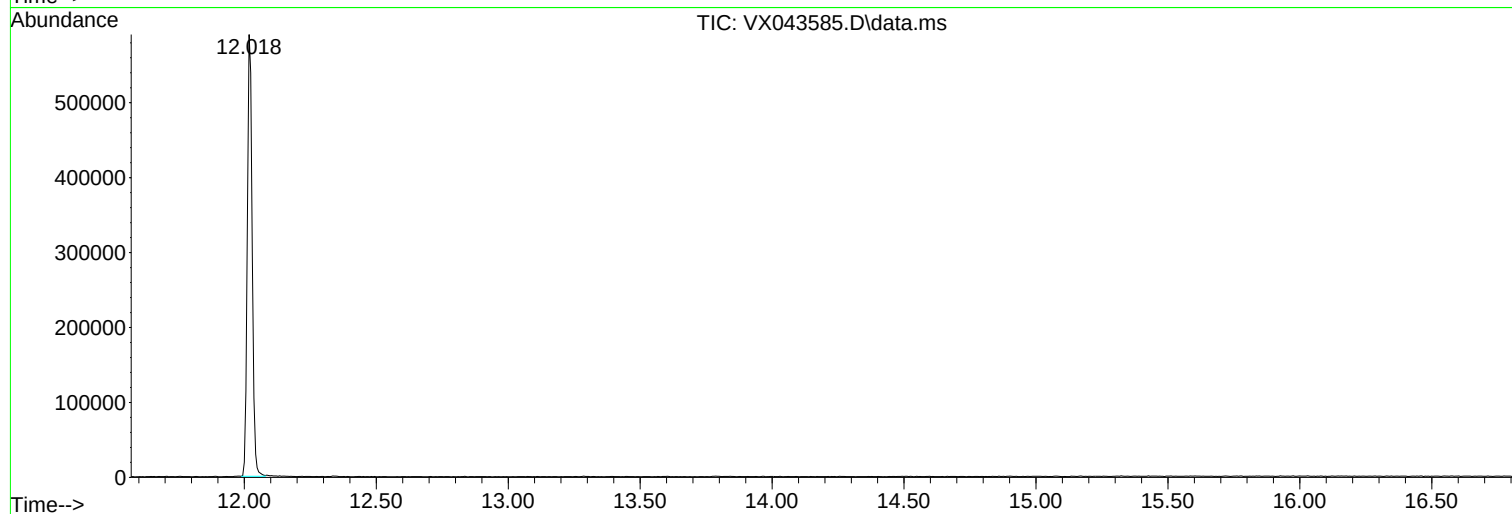
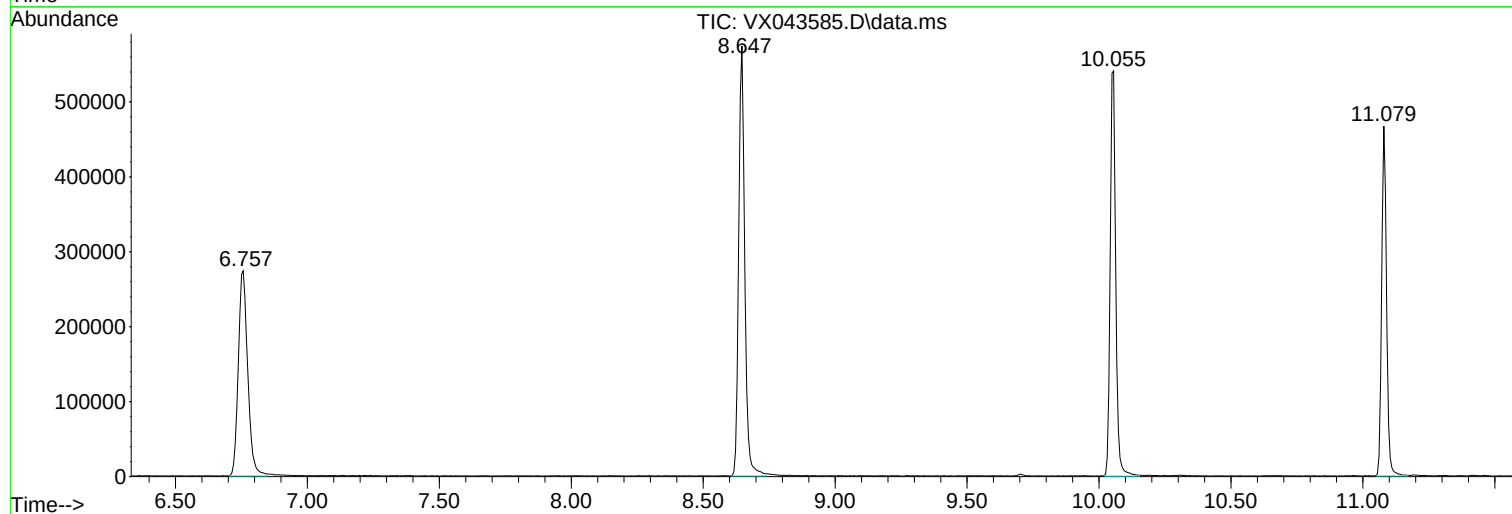
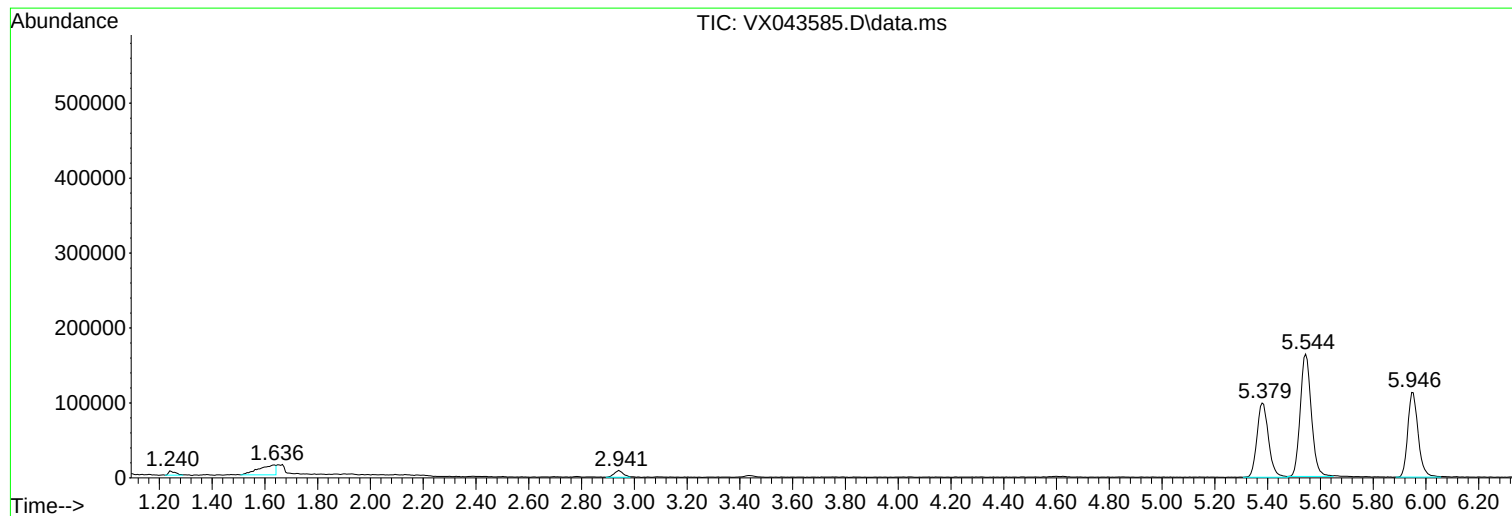
Sum of corrected areas: 4921040

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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
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Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	VX1030WBL01			SDG No.:	P4600
Lab Sample ID:	VX1030WBL01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043612.D	1		10/30/24 10:22	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	VX1030WBL01			SDG No.:	P4600
Lab Sample ID:	VX1030WBL01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043612.D	1		10/30/24 10:22	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.6		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	124000	5.544				
540-36-3	1,4-Difluorobenzene	229000	6.757				
3114-55-4	Chlorobenzene-d5	204000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	87300	12.018				

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_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Time: Oct 31 09:41:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	124305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	229429	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	87309	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86399	43.590	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.180%
35) Dibromofluoromethane	5.385	113	70244	45.151	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.300%
50) Toluene-d8	8.647	98	266605	49.505	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.000%
62) 4-Bromofluorobenzene	11.079	95	93954	47.081	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.160%

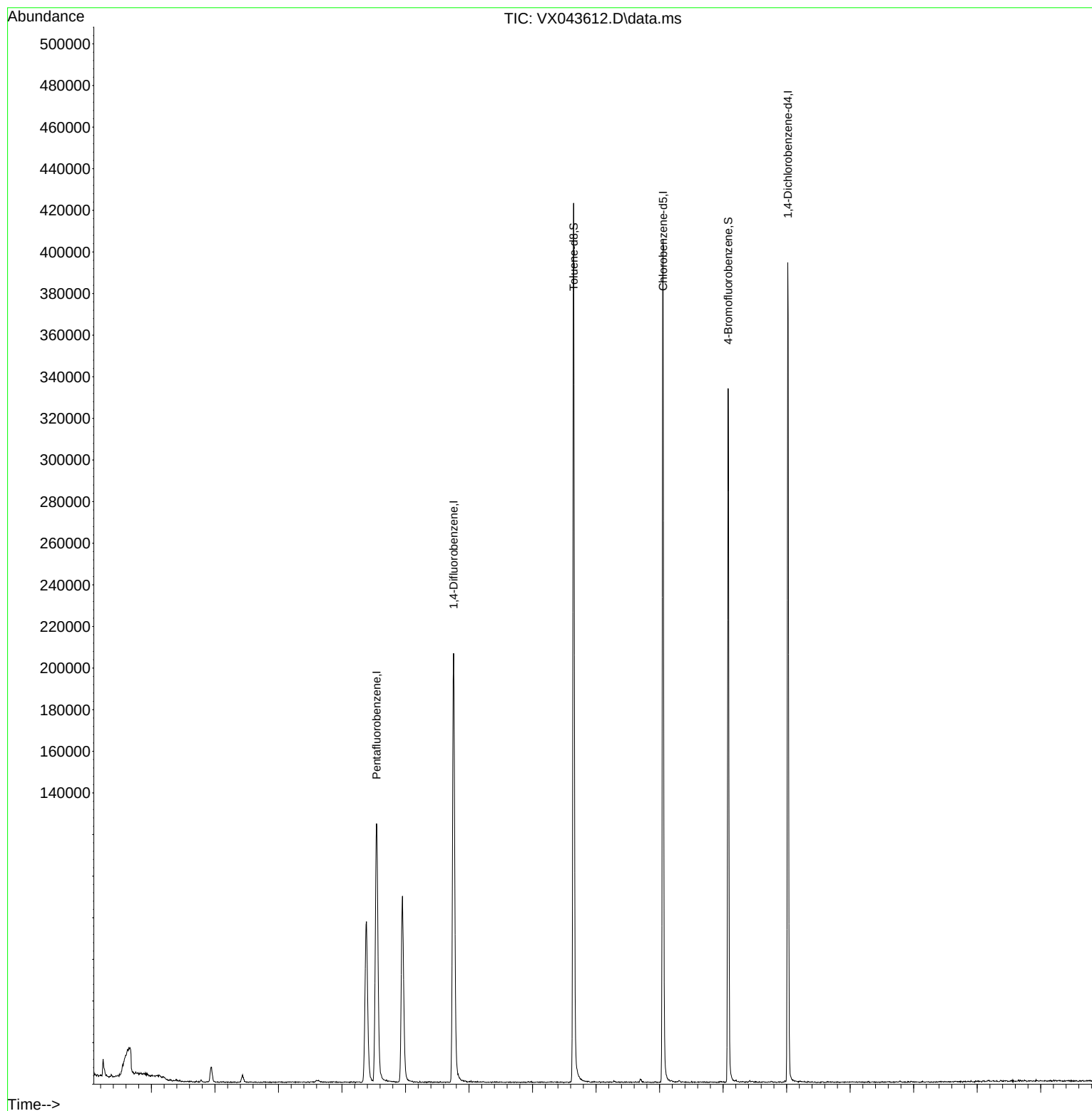
Target Compounds	Qvalue

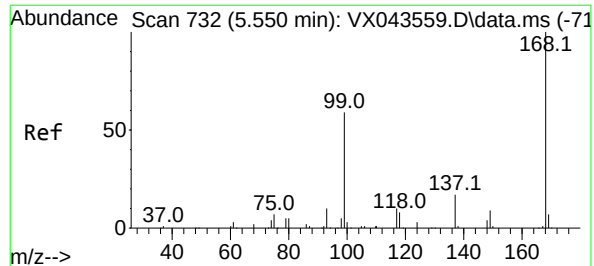
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Time: Oct 31 09:41:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.006 min

Lab File: VX043612.D

Acq: 30 Oct 2024 10:22

Instrument :

MSVOA_X

ClientSampleId :

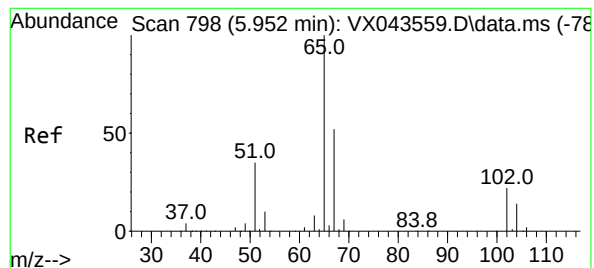
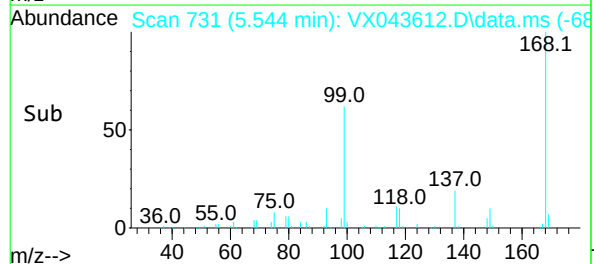
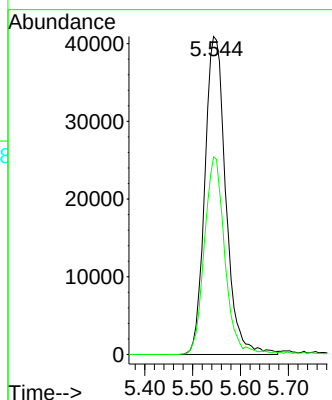
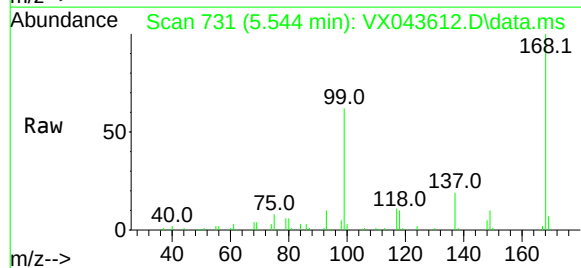
VX1030WBL01

Tgt Ion:168 Resp: 124305

Ion Ratio Lower Upper

168 100

99 62.2 52.6 78.8



#33

1,2-Dichloroethane-d4

Concen: 43.590 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043612.D

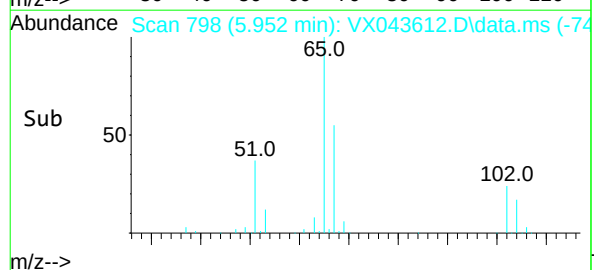
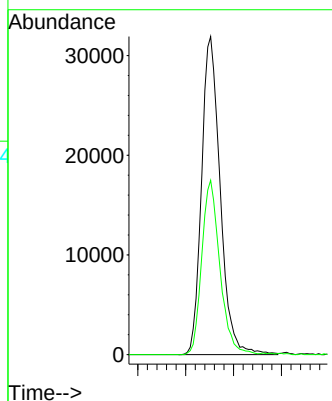
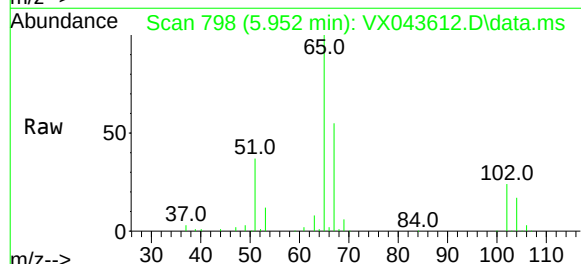
Acq: 30 Oct 2024 10:22

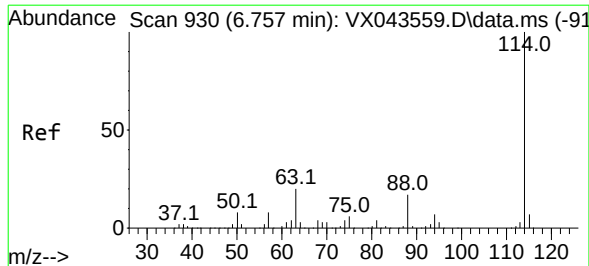
Tgt Ion: 65 Resp: 86399

Ion Ratio Lower Upper

65 100

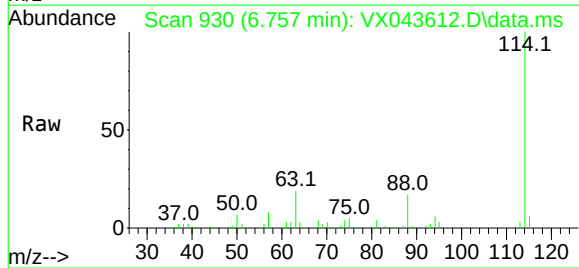
67 53.1 0.0 103.4



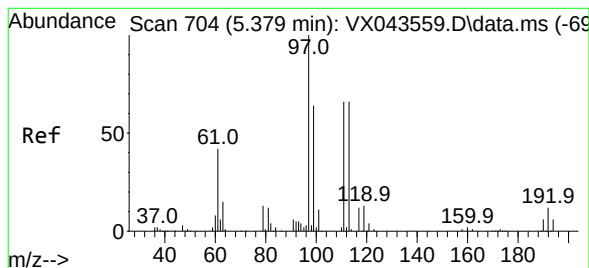
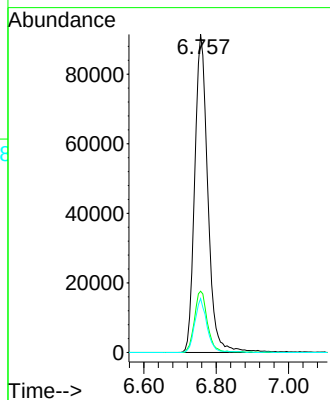
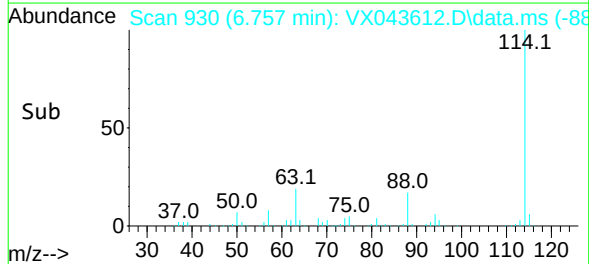


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

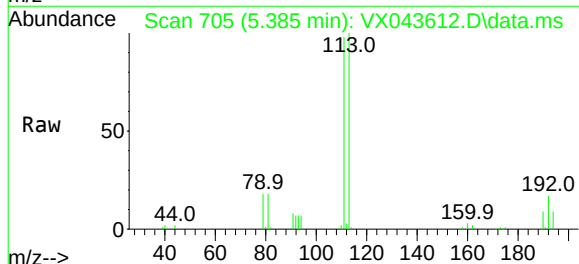
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01



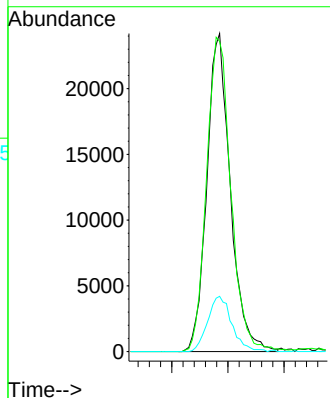
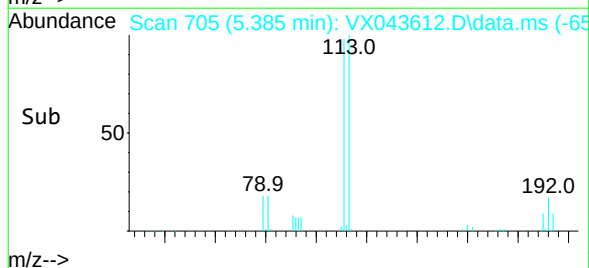
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	41.2
88	17.0	0.0	34.0

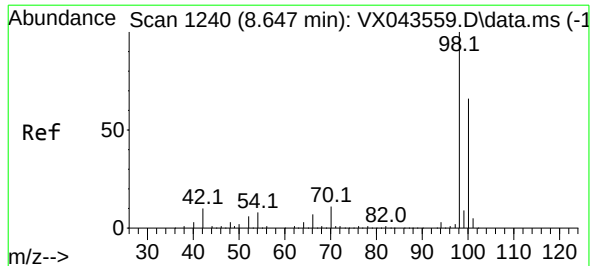


#35
Dibromofluoromethane
Concen: 45.151 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22



Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	17.8	14.1	21.1





#50

Toluene-d8

Concen: 49.505 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.000 min

Lab File: VX043612.D

Acq: 30 Oct 2024 10:22

Instrument :

MSVOA_X

ClientSampleId :

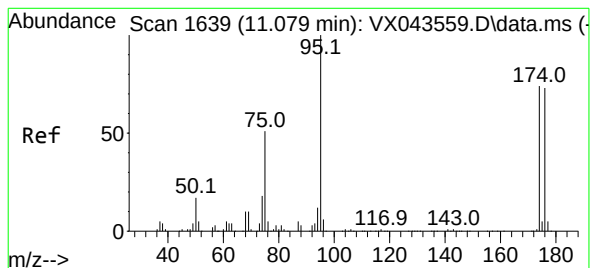
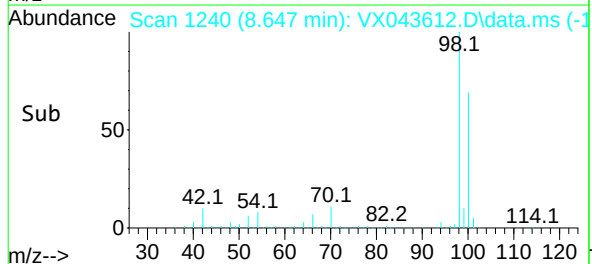
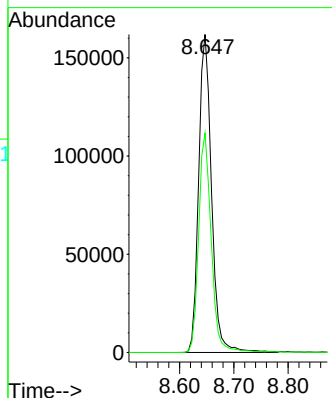
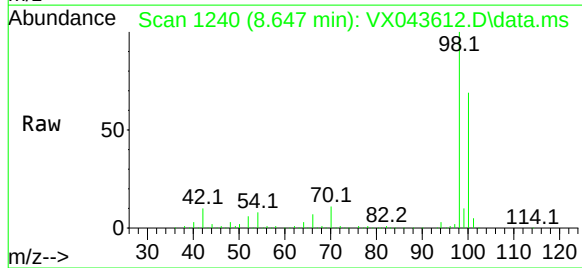
VX1030WBL01

Tgt Ion: 98 Resp: 266605

Ion Ratio Lower Upper

98 100

100 67.5 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 47.081 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043612.D

Acq: 30 Oct 2024 10:22

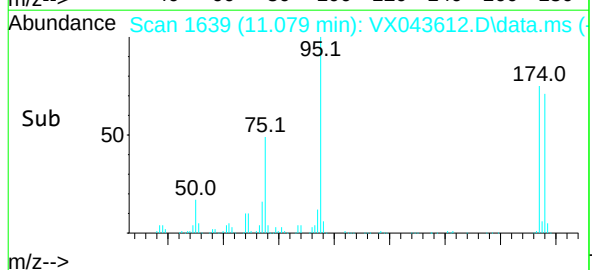
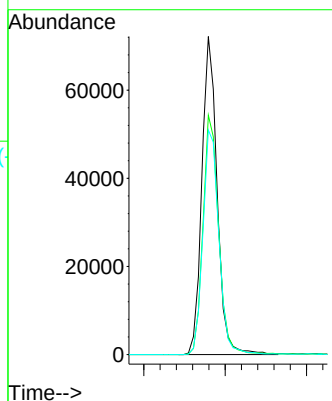
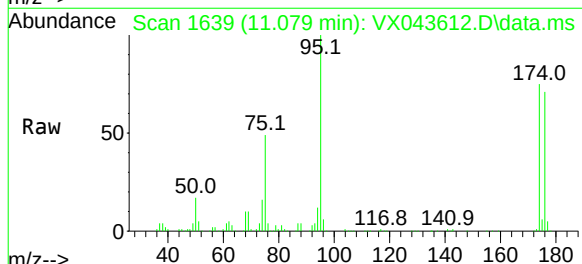
Tgt Ion: 95 Resp: 93954

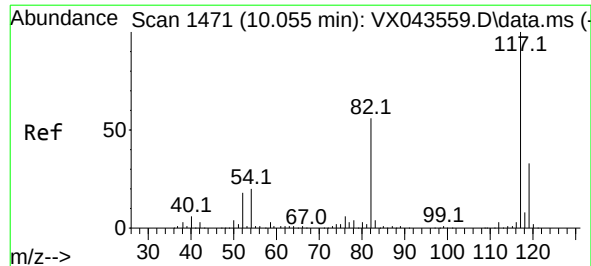
Ion Ratio Lower Upper

95 100

174 77.2 0.0 146.6

176 73.9 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043612.D

Acq: 30 Oct 2024 10:22

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBL01

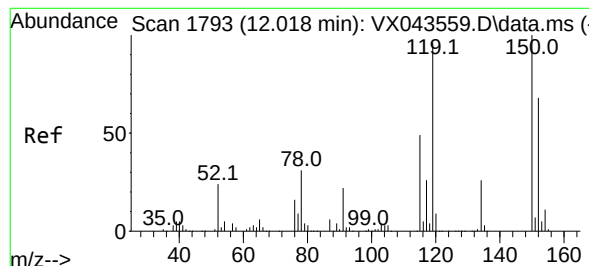
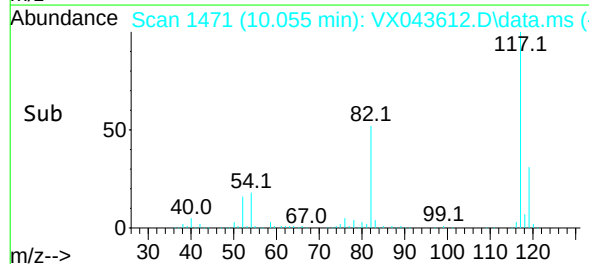
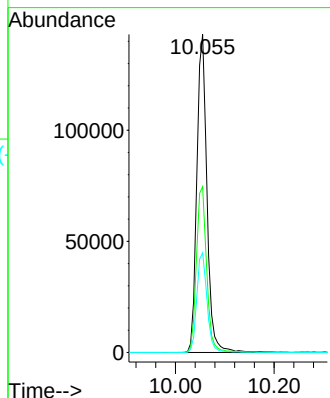
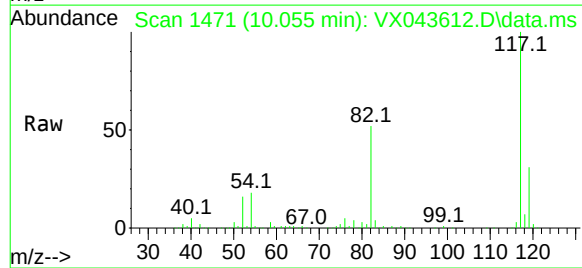
Tgt Ion:117 Resp: 204357

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

119 31.3 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043612.D

Acq: 30 Oct 2024 10:22

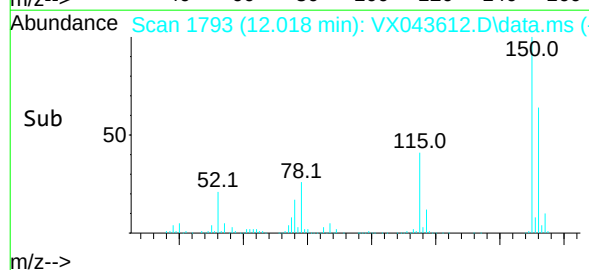
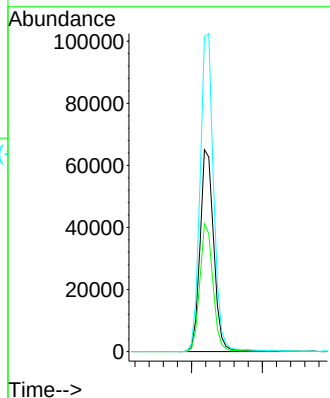
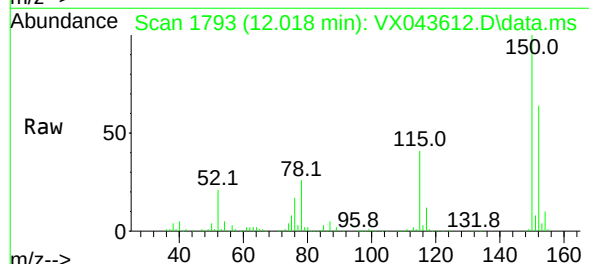
Tgt Ion:152 Resp: 87309

Ion Ratio Lower Upper

152 100

115 61.0 42.9 128.7

150 157.3 0.0 343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

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_X\Method\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043612.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	32	rBV2	8176	12491	1.80%	0.343%
2	1.551	70	76	77	rBV4	5000	7445	1.07%	0.204%
3	1.624	77	88	90	rVV7	7799	24511	3.53%	0.672%
4	2.941	296	304	311	rBV2	7168	16664	2.40%	0.457%
5	5.385	691	705	716	rBV	77348	228288	32.86%	6.260%
6	5.544	722	731	752	rBV	123657	366158	52.70%	10.041%
7	5.952	787	798	814	rBV	89383	238665	34.35%	6.545%
8	6.757	920	930	951	rBV	206217	512246	73.72%	14.047%
9	8.647	1233	1240	1257	rBV	422407	694820	100.00%	19.054%
10	10.055	1465	1471	1486	rBV	405233	591930	85.19%	16.232%
11	11.079	1634	1639	1655	rBV	333319	438067	63.05%	12.013%
12	12.018	1788	1793	1806	rBV	393792	515301	74.16%	14.131%

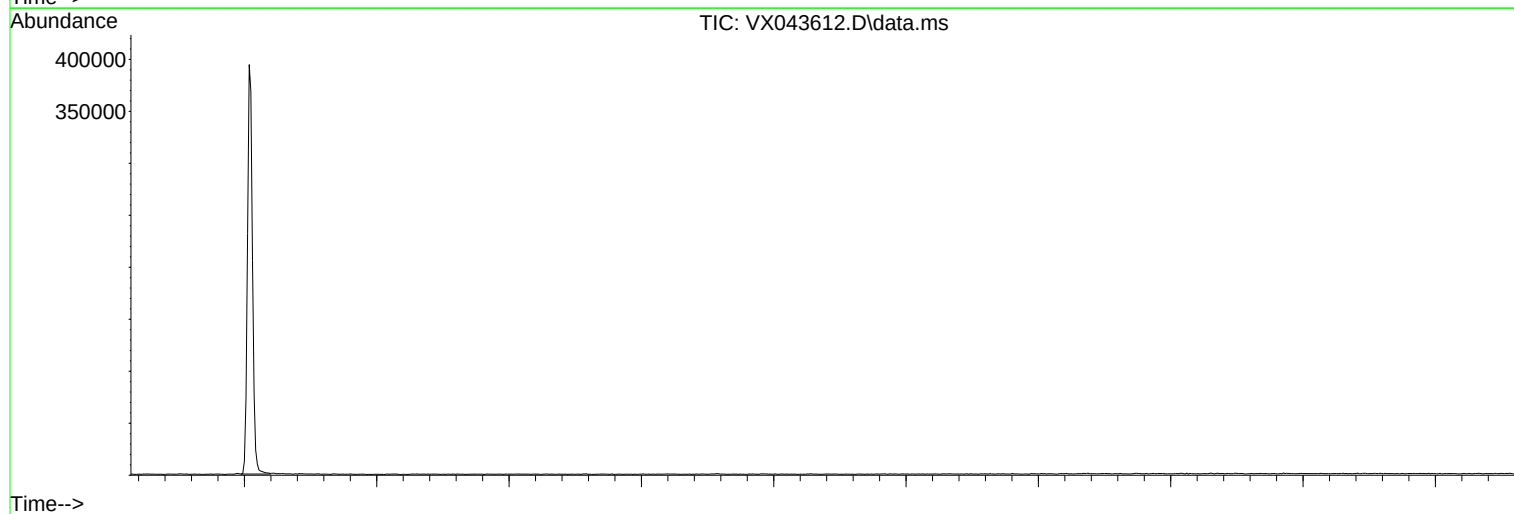
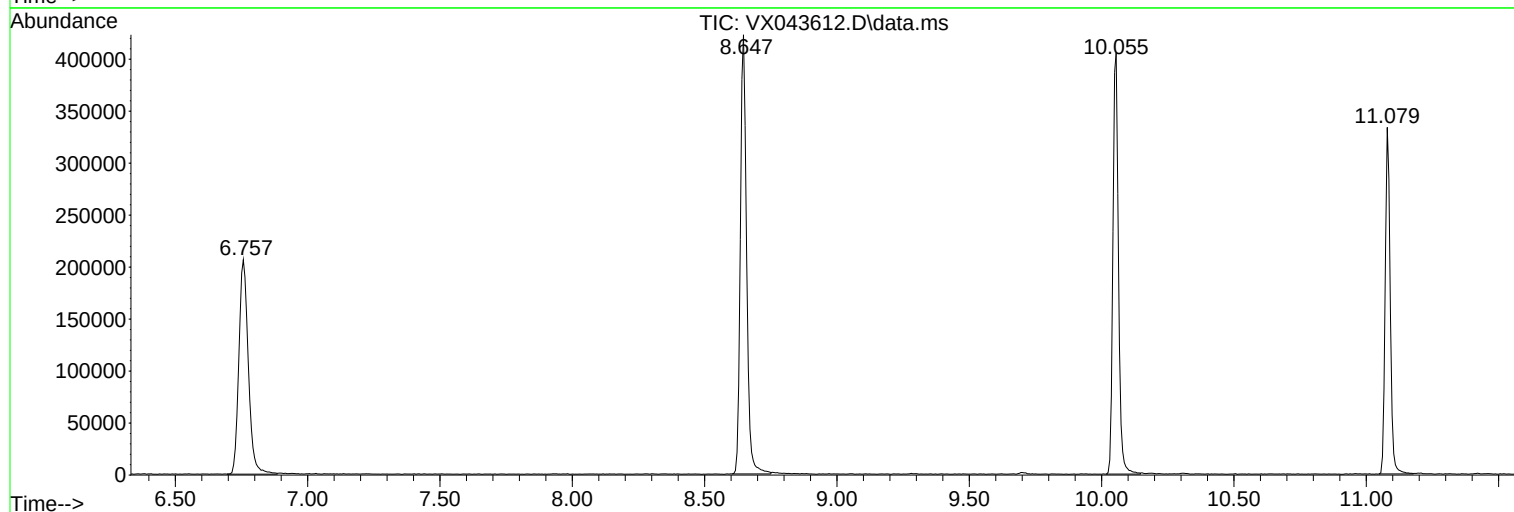
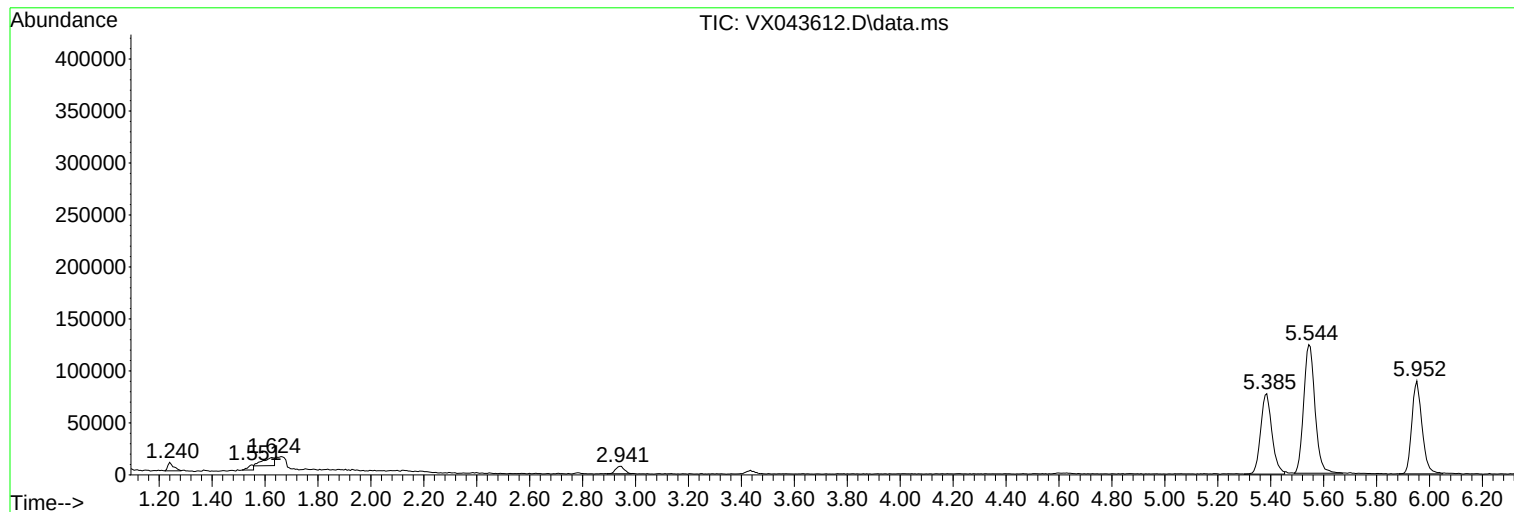
Sum of corrected areas: 3646586

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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:	Tetra Tech NUS, Inc.			Date Collected:		
Project:	CTO WE13			Date Received:		
Client Sample ID:	VX1029WBS01			SDG No.:	P4600	
Lab Sample ID:	VX1029WBS01			Matrix:	Water	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043586.D	1		10/29/24 10:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.0		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.7		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.26	0.75	1.00	ug/L
67-64-1	Acetone	92.3		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.2		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.4		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.1		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.9		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	86.1		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.1		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	21.3		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.9		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.2		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	90.2		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.9		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.7		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	91.2		1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	VX1029WBS01			SDG No.:	P4600
Lab Sample ID:	VX1029WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043586.D	1		10/29/24 10:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.7		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.6		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.1		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.8		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.1		81 - 118		84%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	202000	5.544				
540-36-3	1,4-Difluorobenzene	352000	6.757				
3114-55-4	Chlorobenzene-d5	295000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.018				

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_X\Data\VX102924\
 Data File : VX043586.D
 Acq On : 29 Oct 2024 10:57
 Operator : JC/MD
 Sample : VX1029WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:26:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	202431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	352202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	142936	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	135908	42.105	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.220%
35) Dibromofluoromethane	5.379	113	111394	46.642	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.280%
50) Toluene-d8	8.647	98	399169	48.283	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.560%
62) 4-Bromofluorobenzene	11.079	95	144111	47.042	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.080%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	40027	18.489	ug/l	100
3) Chloromethane	1.294	50	44310	16.012	ug/l	92
4) Vinyl Chloride	1.374	62	46678	18.174	ug/l	99
5) Bromomethane	1.593	94	18192	17.375	ug/l	97
6) Chloroethane	1.660	64	17156m	18.960	ug/l	
7) Trichlorofluoromethane	1.861	101	64804	20.654	ug/l	98
8) Diethyl Ether	2.136	74	25896	17.863	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	45384	21.388	ug/l	99
10) Methyl Iodide	2.440	142	57476	18.748	ug/l	97
11) Tert butyl alcohol	3.007	59	56407m	93.626	ug/l	
12) 1,1-Dichloroethene	2.306	96	42035	19.385	ug/l	92
13) Acrolein	2.239	56	40906	86.821	ug/l	99
14) Allyl chloride	2.654	41	68347	18.223	ug/l	96
15) Acrylonitrile	3.068	53	115840	85.162	ug/l	99
16) Acetone	2.386	43	118332	92.319	ug/l	98
17) Carbon Disulfide	2.501	76	82388	18.170	ug/l	100
18) Methyl Acetate	2.703	43	60142	16.054	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	143107	17.354	ug/l	100
20) Methylene Chloride	2.782	84	47149	17.068	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	44262	19.321	ug/l	97
22) Diisopropyl ether	3.757	45	139725	18.024	ug/l	92
23) Vinyl Acetate	3.721	43	571697	89.264	ug/l	99
24) 1,1-Dichloroethane	3.605	63	79799	17.909	ug/l	98
25) 2-Butanone	4.556	43	160914	86.062	ug/l	99
26) 2,2-Dichloropropane	4.465	77	72610	19.908	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	53987	18.448	ug/l	99
28) Bromochloromethane	4.891	49	37071	17.489	ug/l	96
29) Tetrahydrofuran	5.007	42	100228	82.487	ug/l	98
30) Chloroform	5.086	83	84330	18.055	ug/l	99
31) Cyclohexane	5.458	56	69310	20.338	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	76151	19.420	ug/l	99
36) 1,1-Dichloropropene	5.684	75	56285	19.875	ug/l	98
37) Ethyl Acetate	4.714	43	60171	17.501	ug/l	98
38) Carbon Tetrachloride	5.666	117	62906	20.104	ug/l	97
39) Methylcyclohexane	7.373	83	75030	21.340	ug/l	99
40) Benzene	6.031	78	178716	18.917	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043586.D
 Acq On : 29 Oct 2024 10:57
 Operator : JC/MD
 Sample : VX1029WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:26:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	33159	18.374	ug/l	97
42) 1,2-Dichloroethane	6.080	62	62263	18.332	ug/l	99
43) Isopropyl Acetate	6.336	43	100112	17.607	ug/l	100
44) Trichloroethene	7.123	130	46116	19.649	ug/l	95
45) 1,2-Dichloropropane	7.427	63	42277	18.174	ug/l	100
46) Dibromomethane	7.580	93	32080	17.910	ug/l	96
47) Bromodichloromethane	7.818	83	57532	18.310	ug/l	99
48) Methyl methacrylate	7.696	41	48326	17.927	ug/l	98
49) 1,4-Dioxane	7.671	88	23130	417.634	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	312558	90.192	ug/l	99
52) Toluene	8.714	92	113851	19.871	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	59568	17.650	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	70181	19.517	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	44829	18.797	ug/l	93
56) Ethyl methacrylate	9.116	69	69497	17.934	ug/l	98
57) 1,3-Dichloropropane	9.305	76	74400	18.757	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	172110	91.703	ug/l	99
59) 2-Hexanone	9.433	43	240151	91.242	ug/l	100
60) Dibromochloromethane	9.518	129	44184	18.709	ug/l	98
61) 1,2-Dibromoethane	9.610	107	45897	18.539	ug/l	96
64) Tetrachloroethene	9.269	164	39340	21.213	ug/l	98
65) Chlorobenzene	10.079	112	123286	19.435	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	40788	19.685	ug/l	99
67) Ethyl Benzene	10.195	91	209043	20.209	ug/l	100
68) m/p-Xylenes	10.299	106	160547	40.586	ug/l	99
69) o-Xylene	10.640	106	79997	20.128	ug/l	99
70) Styrene	10.652	104	133590	20.223	ug/l	99
71) Bromoform	10.799	173	26501	17.788	ug/l #	96
73) Isopropylbenzene	10.963	105	207962	20.539	ug/l	100
74) N-amyl acetate	10.841	43	89068	18.058	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	67422	18.518	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	54362m	17.788	ug/l	
77) Bromobenzene	11.195	156	50119	19.170	ug/l	99
78) n-propylbenzene	11.305	91	227750	20.630	ug/l	99
79) 2-Chlorotoluene	11.360	91	143898	19.657	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	171034	20.260	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	19932	17.942	ug/l	96
82) 4-Chlorotoluene	11.451	91	162418	19.767	ug/l	96
83) tert-Butylbenzene	11.713	119	176326	20.537	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	176438	20.508	ug/l	99
85) sec-Butylbenzene	11.890	105	214438	21.308	ug/l	100
86) p-Isopropyltoluene	12.006	119	180325	21.080	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	92275	19.691	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	93923	19.343	ug/l	99
89) n-Butylbenzene	12.329	91	148112	21.249	ug/l	99
90) Hexachloroethane	12.536	117	28082	20.210	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	92312	19.265	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12277	16.540	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	55722	19.158	ug/l	98
94) Hexachlorobutadiene	13.725	225	22819	21.279	ug/l	98
95) Naphthalene	13.774	128	207496	18.643	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	57807	18.850	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

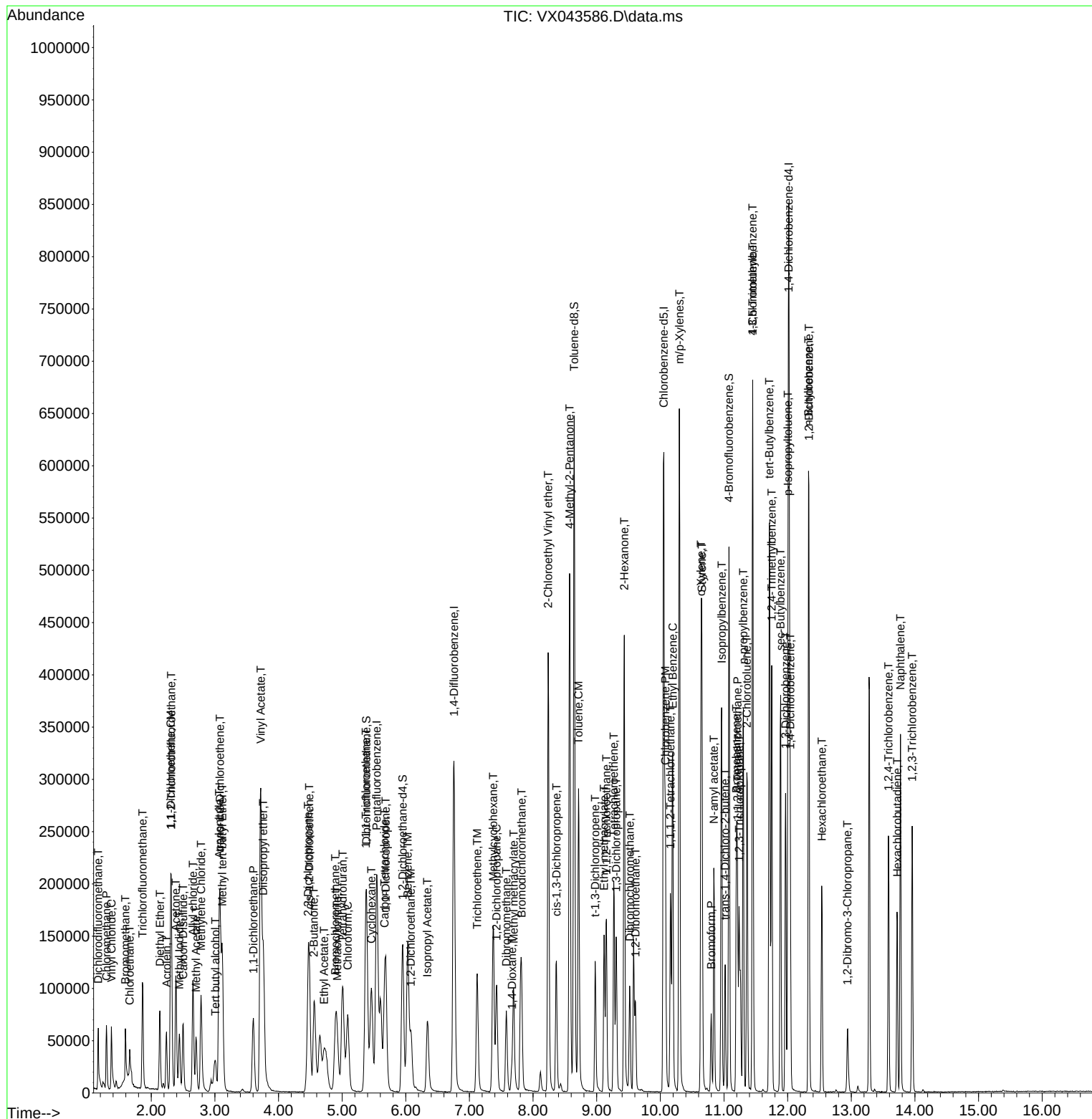
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Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

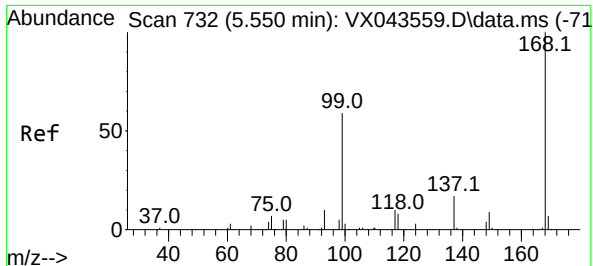
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration





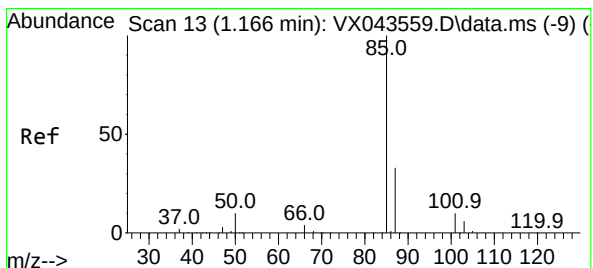
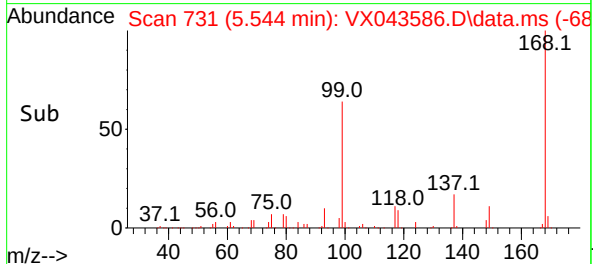
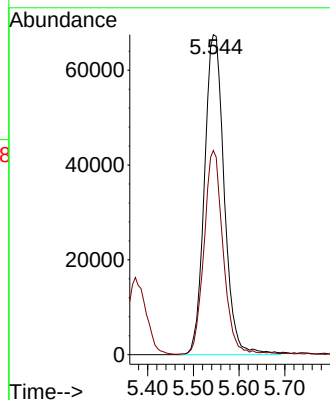
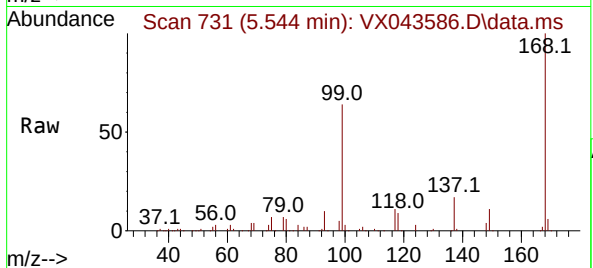
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:168 Resp: 20243
Ion Ratio Lower Upper
168 100
99 63.6 52.6 78.8

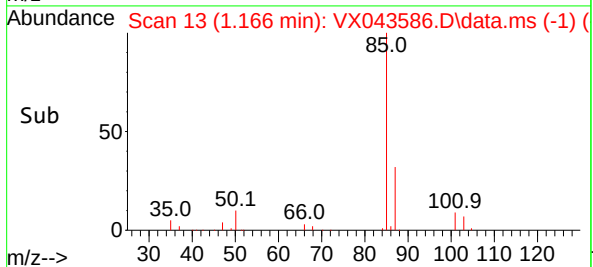
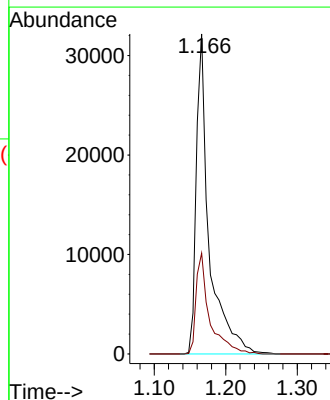
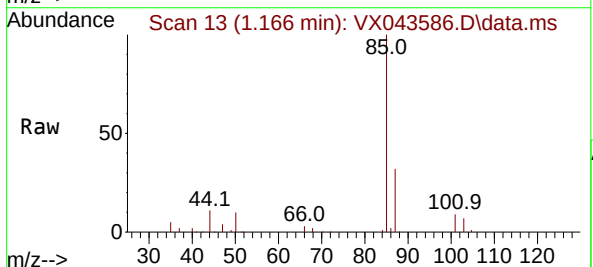
Manual Integrations
APPROVED

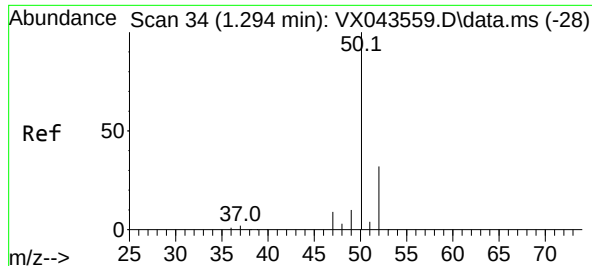
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#2
Dichlorodifluoromethane
Concen: 18.489 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 85 Resp: 40027
Ion Ratio Lower Upper
85 100
87 31.5 15.7 47.0





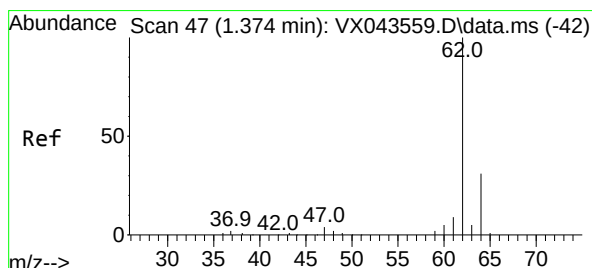
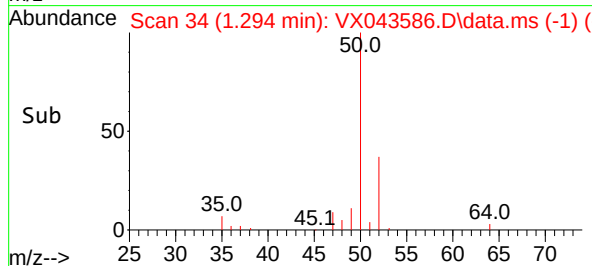
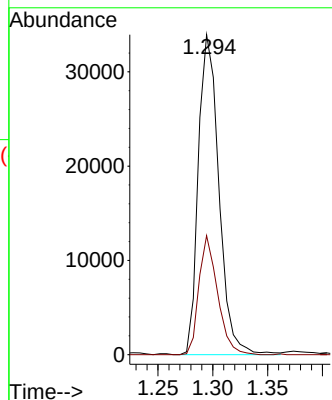
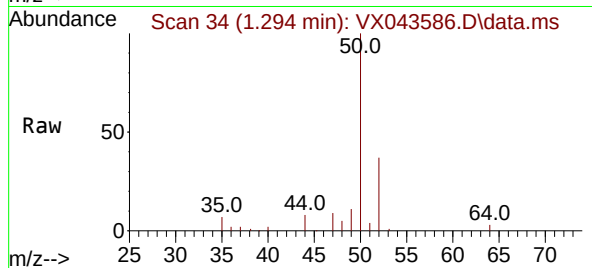
#3
Chloromethane
Concen: 16.012 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 50 Resp: 44310
Ion Ratio Lower Upper
50 100
52 37.2 26.3 39.5

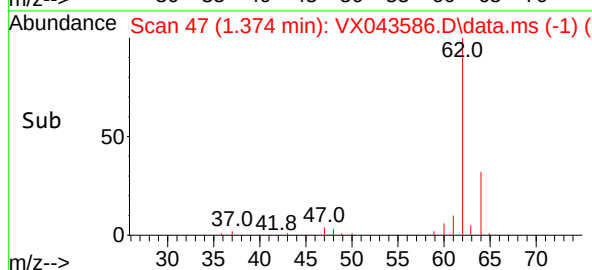
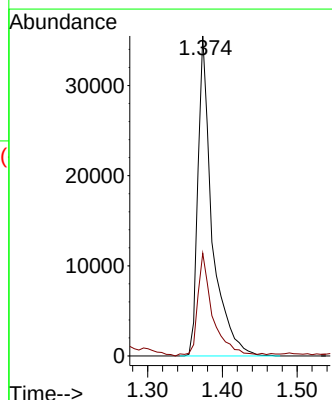
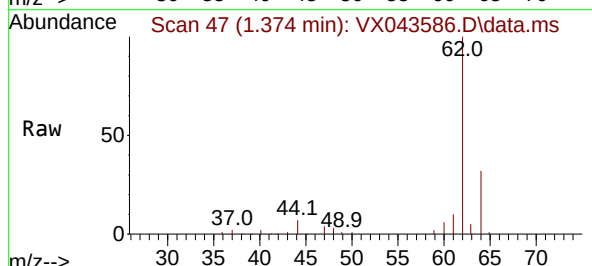
Manual Integrations
APPROVED

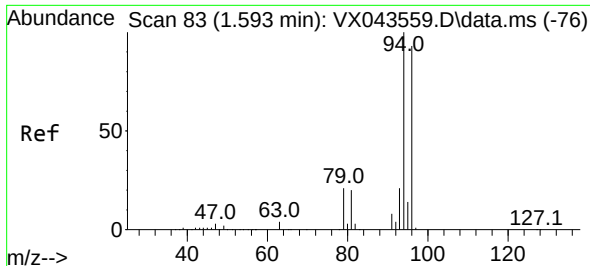
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#4
Vinyl Chloride
Concen: 18.174 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 62 Resp: 46678
Ion Ratio Lower Upper
62 100
64 31.5 25.0 37.4





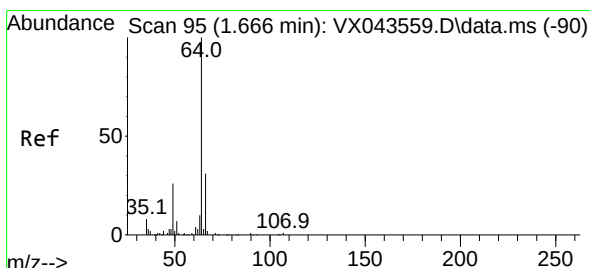
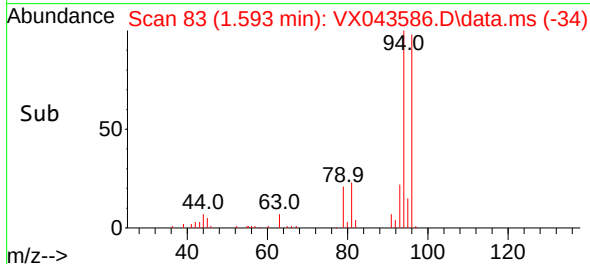
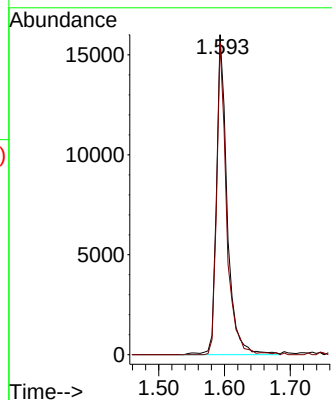
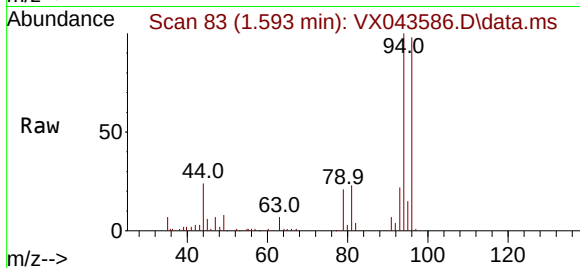
#5
Bromomethane
Concen: 17.375 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 94 Resp: 18192
Ion Ratio Lower Upper
94 100
96 97.6 75.9 113.9

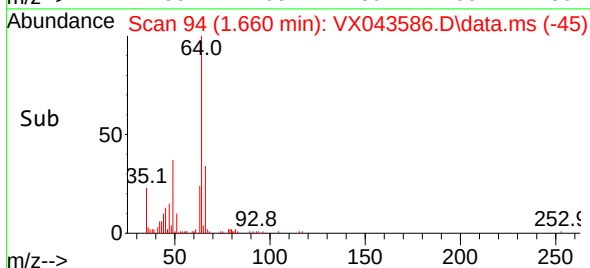
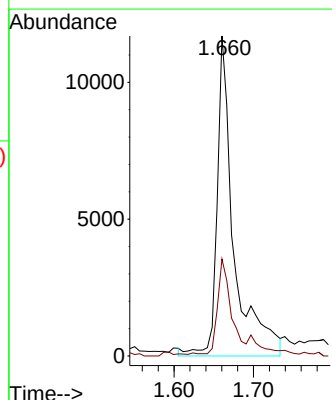
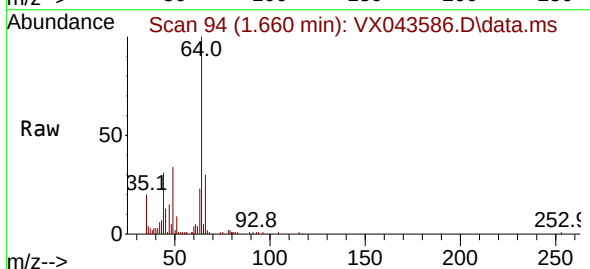
Manual Integrations
APPROVED

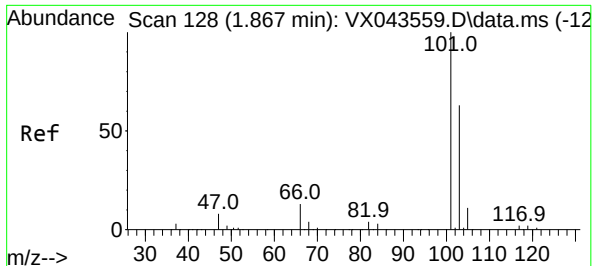
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#6
Chloroethane
Concen: 18.960 ug/l m
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 64 Resp: 17156
Ion Ratio Lower Upper
64 100
66 30.3 25.1 37.7





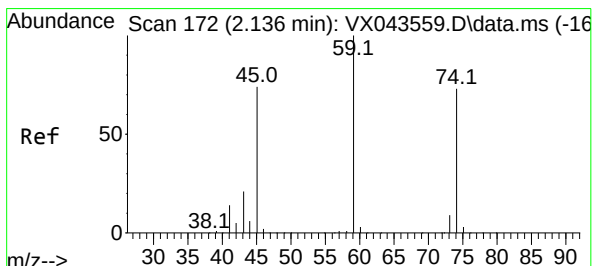
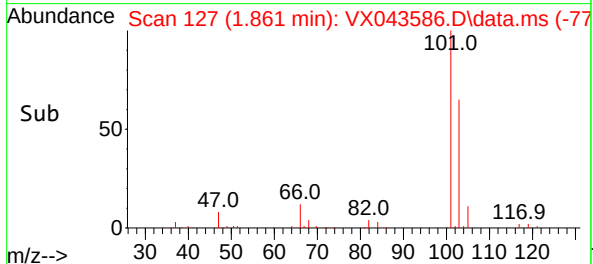
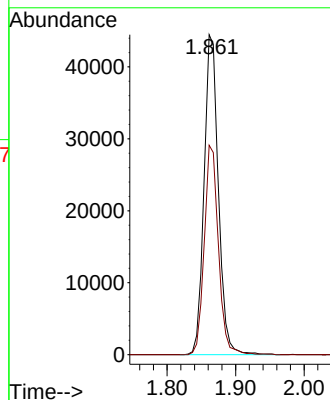
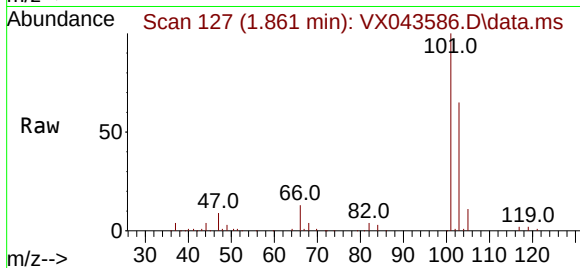
#7
Trichlorofluoromethane
Concen: 20.654 ug/l
RT: 1.861 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:101 Resp: 64804
Ion Ratio Lower Upper
101 100
103 65.4 51.3 76.9

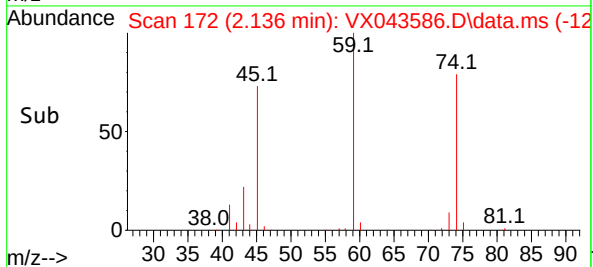
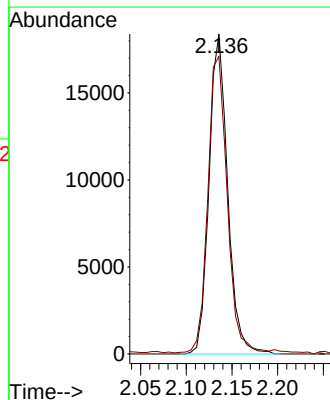
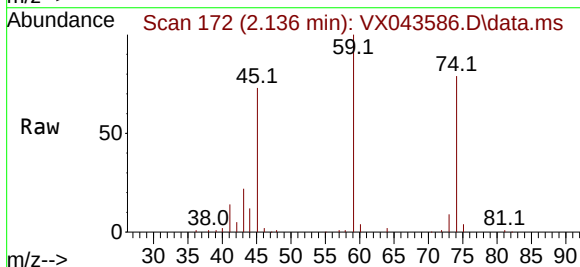
Manual Integrations
APPROVED

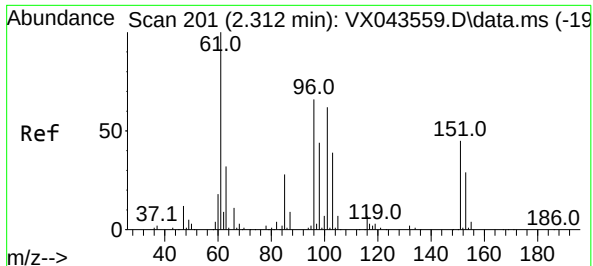
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#8
Diethyl Ether
Concen: 17.863 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 74 Resp: 25896
Ion Ratio Lower Upper
74 100
45 96.5 47.5 142.5





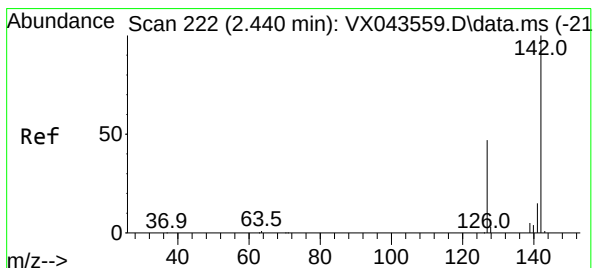
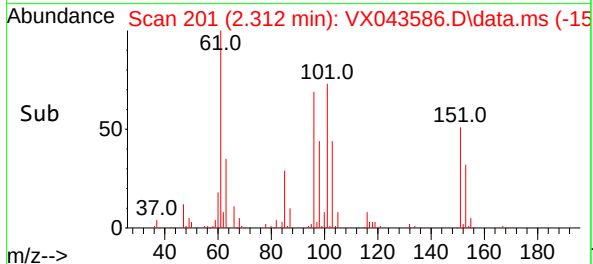
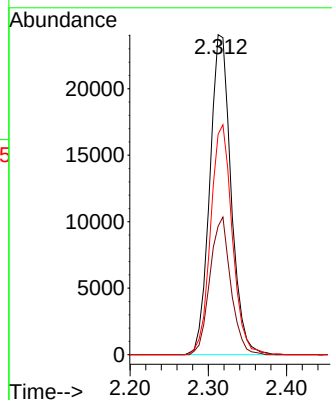
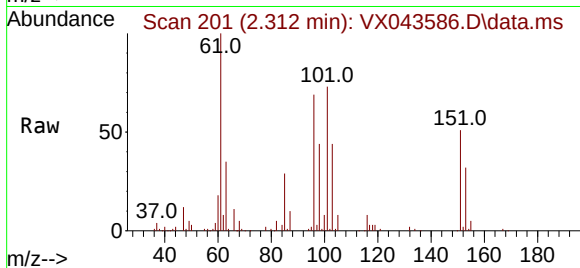
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.388 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:101 Resp: 45384
Ion Ratio Lower Upper
101 100
85 42.1 34.5 51.7
151 73.1 58.2 87.2

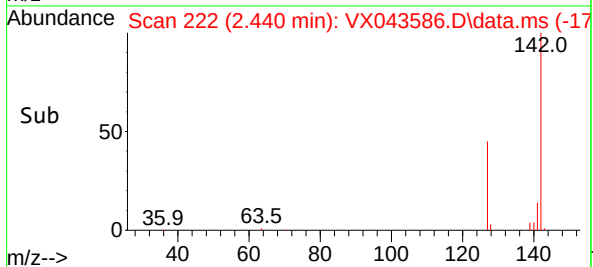
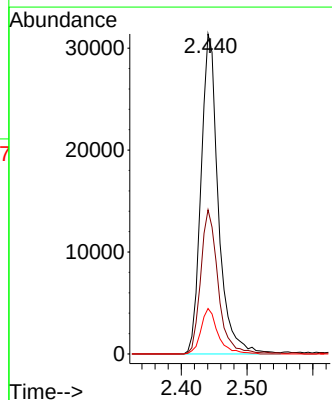
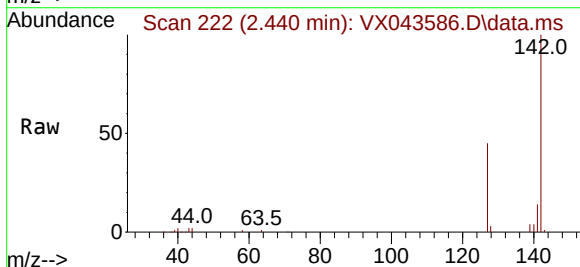
Manual Integrations
APPROVED

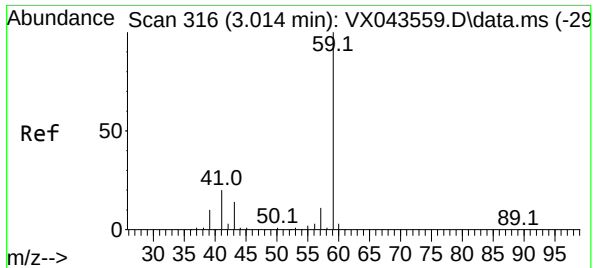
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#10
Methyl Iodide
Concen: 18.748 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:142 Resp: 57476
Ion Ratio Lower Upper
142 100
127 45.5 38.2 57.4
141 14.0 11.5 17.3





#11

Tert butyl alcohol

Concen: 93.626 ug/l m

RT: 3.007 min Scan# 31

Delta R.T. -0.043 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

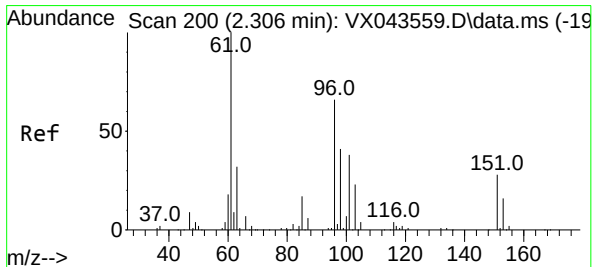
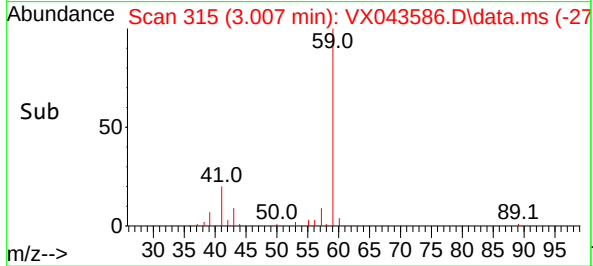
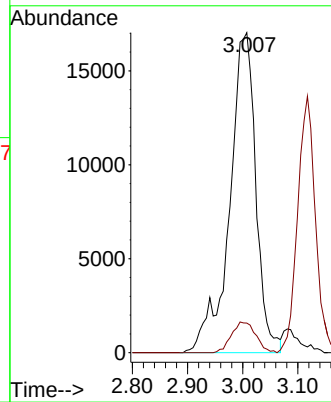
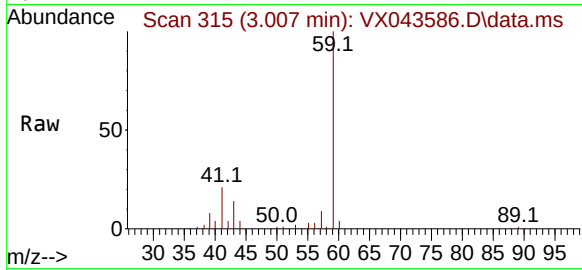
Tgt Ion: 59 Resp: 5640

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#12

1,1-Dichloroethene

Concen: 19.385 ug/l

RT: 2.306 min Scan# 200

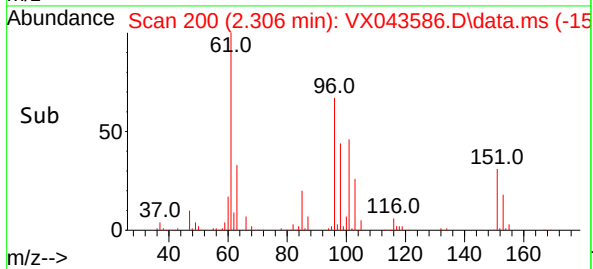
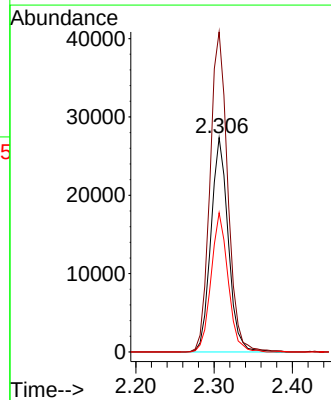
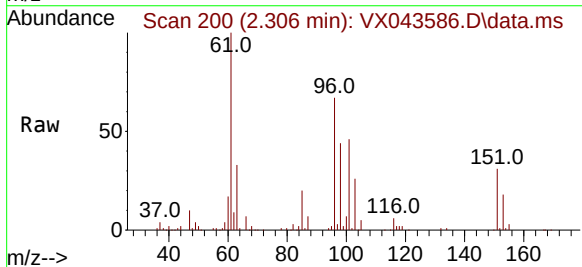
Delta R.T. 0.006 min

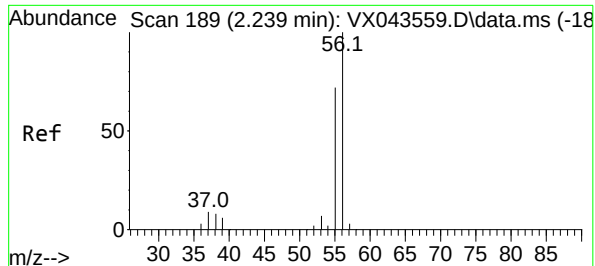
Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Tgt Ion: 96 Resp: 42035

Ion	Ratio	Lower	Upper
96	100		
61	149.2	130.2	195.4
98	64.9	51.0	76.6





#13

Acrolein

Concen: 86.821 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 56 Resp: 40900

Ion Ratio Lower Upper

56 100

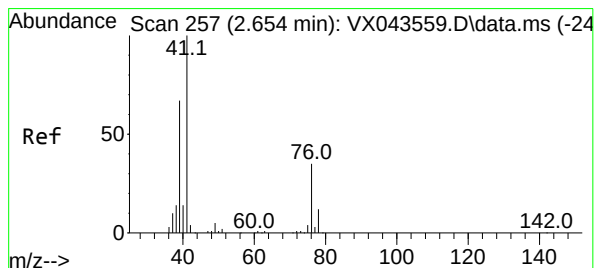
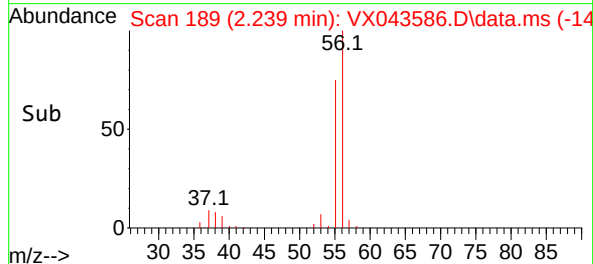
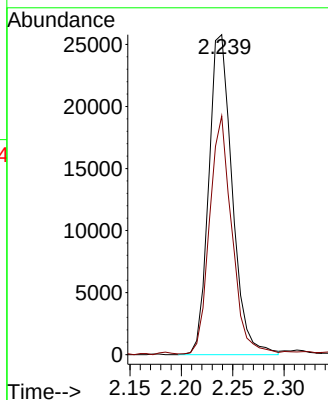
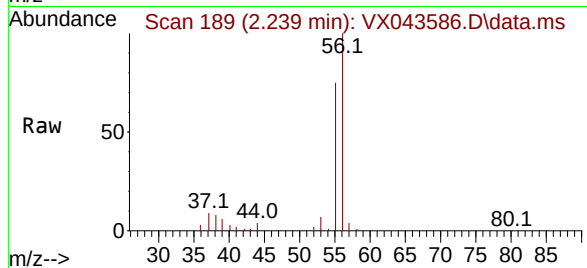
55 70.3 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#14

Allyl chloride

Concen: 18.223 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

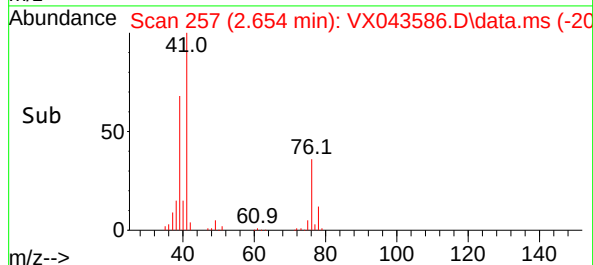
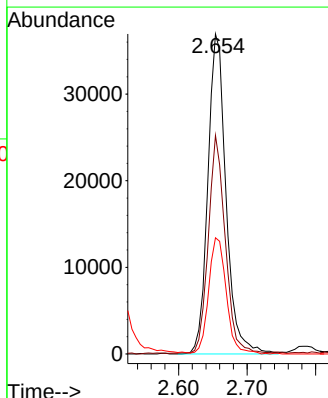
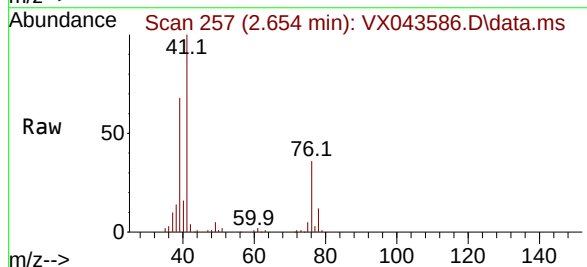
Tgt Ion: 41 Resp: 68347

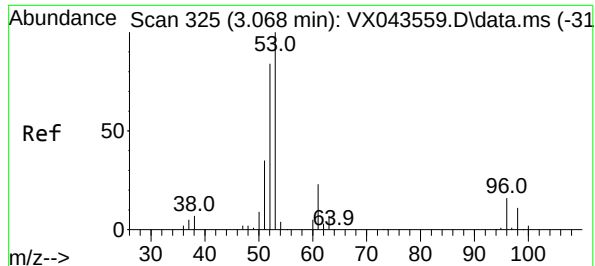
Ion Ratio Lower Upper

41 100

39 63.1 53.2 79.8

76 35.3 27.0 40.6





#15

Acrylonitrile

Concen: 85.162 ug/l

RT: 3.068 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 53 Resp: 115840

Ion Ratio Lower Upper

53 100

52 82.5 65.8 98.6

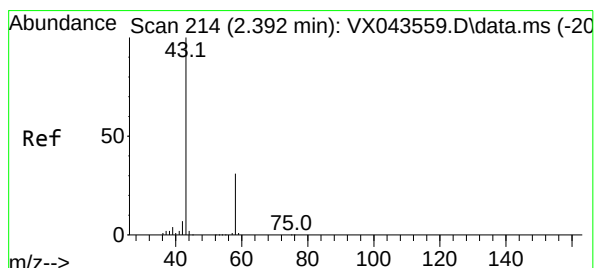
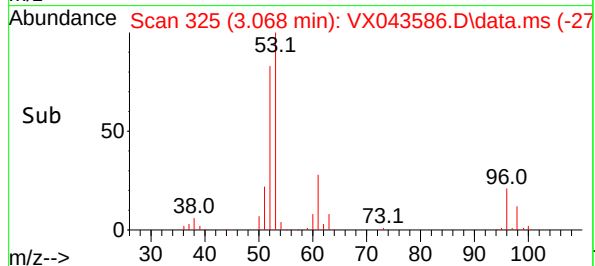
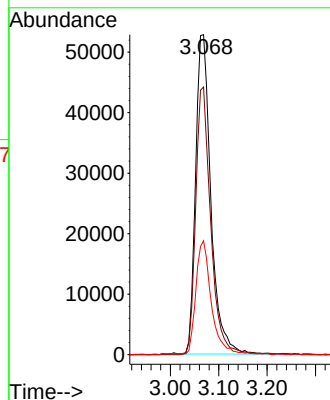
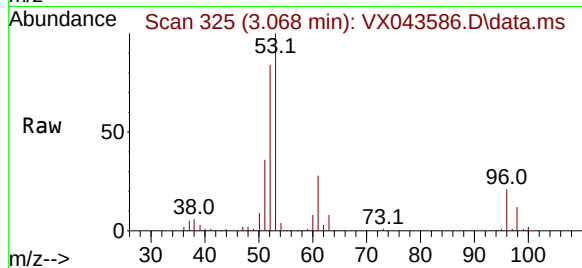
51 36.4 28.5 42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#16

Acetone

Concen: 92.319 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX043586.D

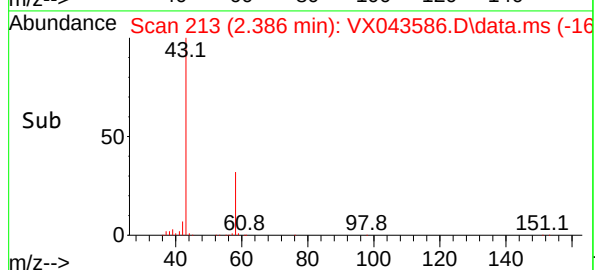
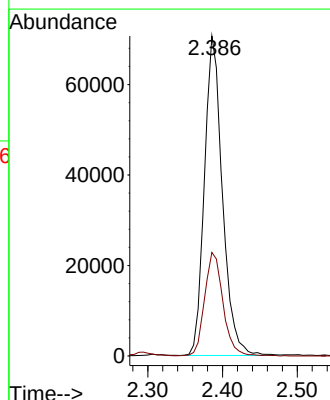
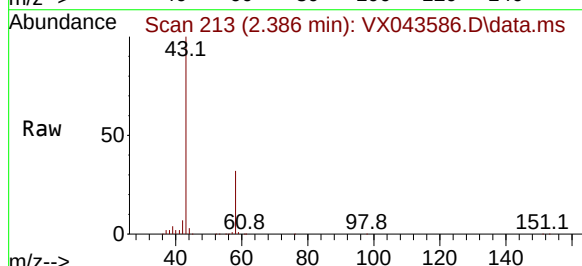
Acq: 29 Oct 2024 10:57

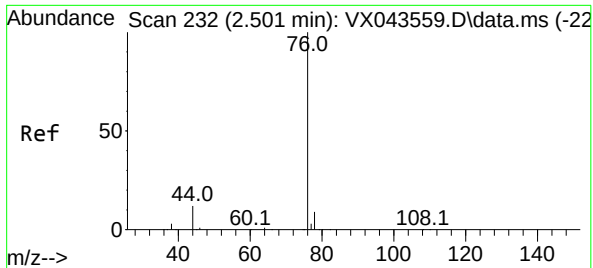
Tgt Ion: 43 Resp: 118332

Ion Ratio Lower Upper

43 100

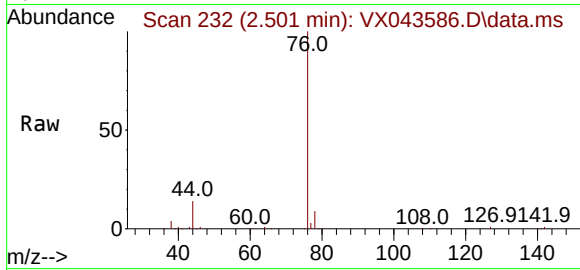
58 32.4 25.1 37.7





#17
Carbon Disulfide
Concen: 18.170 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

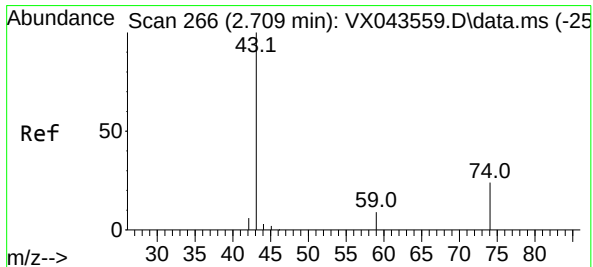
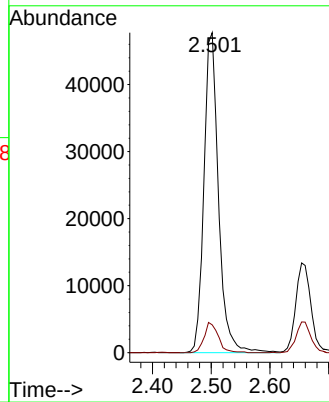
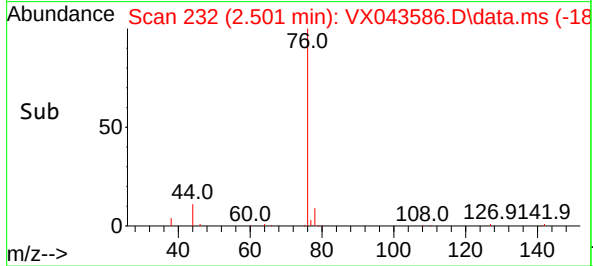
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01



Tgt Ion: 76 Resp: 8238
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

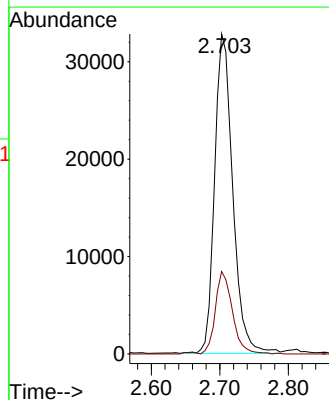
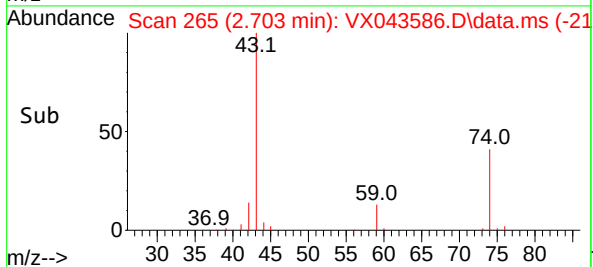
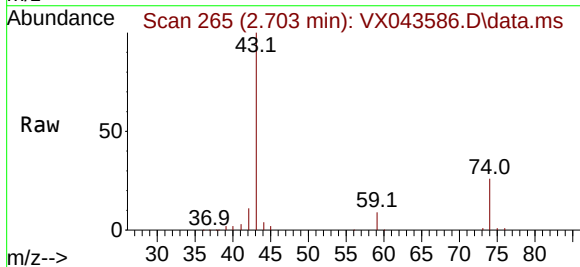
Manual Integrations
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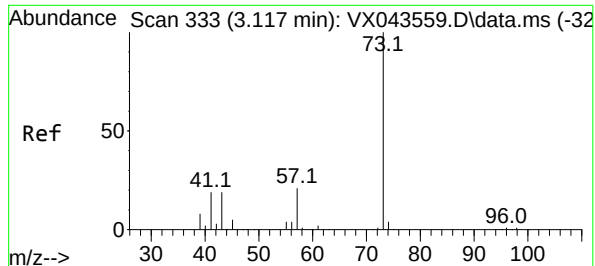
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#18
Methyl Acetate
Concen: 16.054 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 43 Resp: 60142
Ion Ratio Lower Upper
43 100
74 24.2 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 17.354 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 73 Resp: 14310

Ion Ratio Lower Upper

73 100

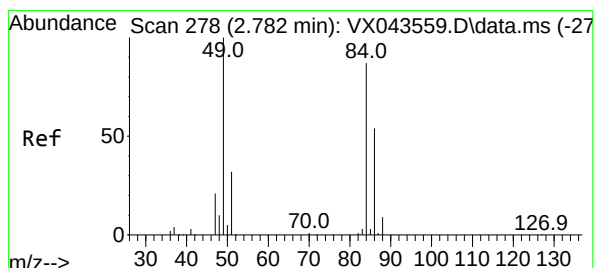
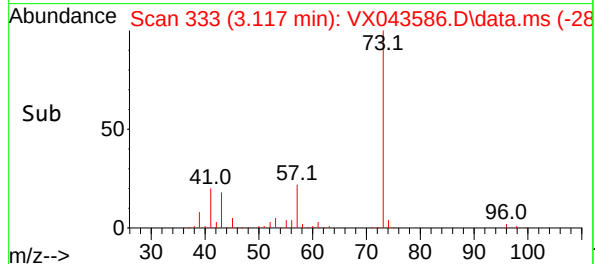
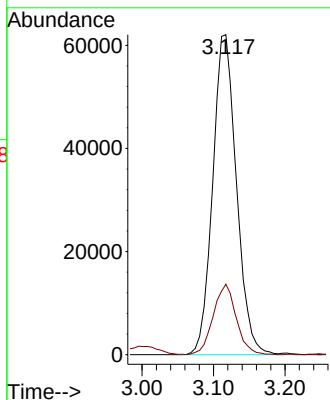
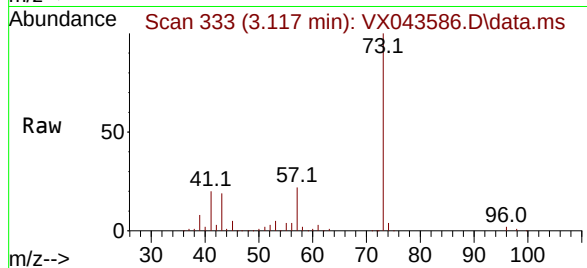
57 22.0 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#20

Methylene Chloride

Concen: 17.068 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Tgt Ion: 84 Resp: 47149

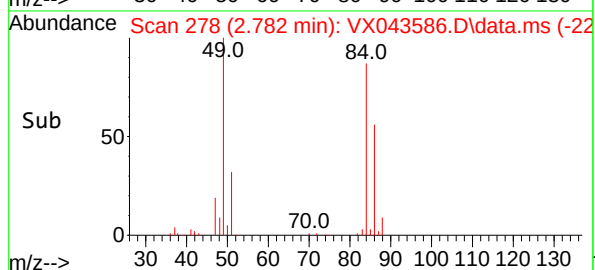
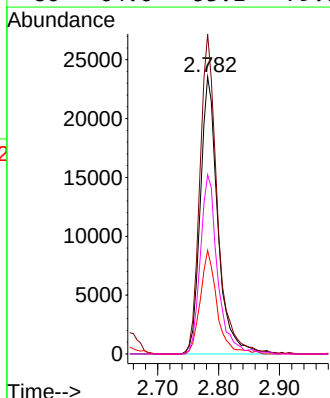
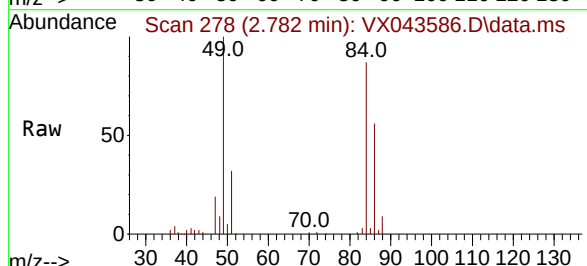
Ion Ratio Lower Upper

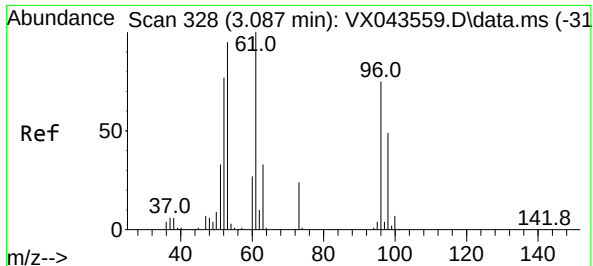
84 100

49 115.5 97.0 145.6

51 37.4 29.8 44.8

86 64.6 53.1 79.7





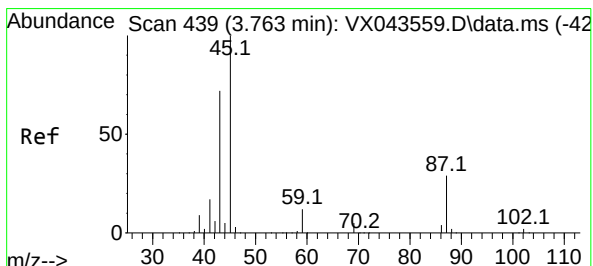
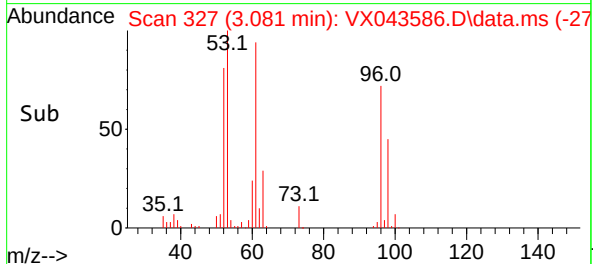
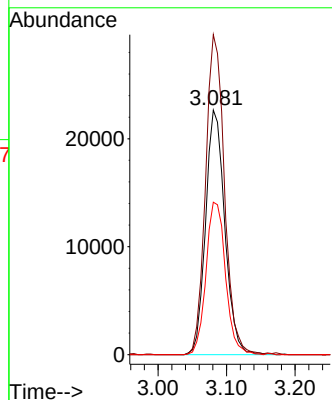
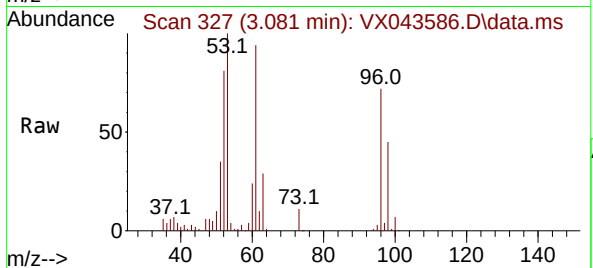
#21
trans-1,2-Dichloroethene
Concen: 19.321 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 96 Resp: 4426
Ion Ratio Lower Upper
96 100
61 130.8 107.1 160.7
98 62.4 47.7 71.5

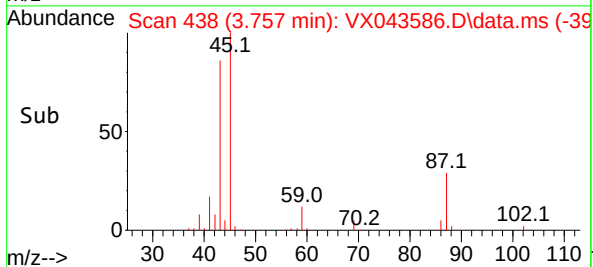
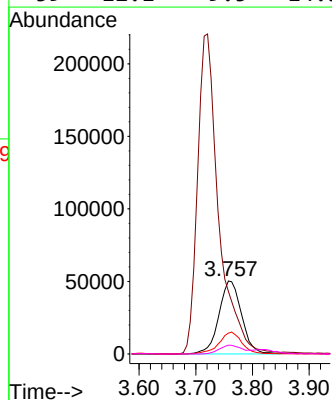
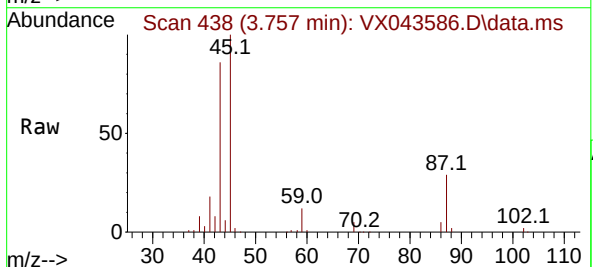
Manual Integrations
APPROVED

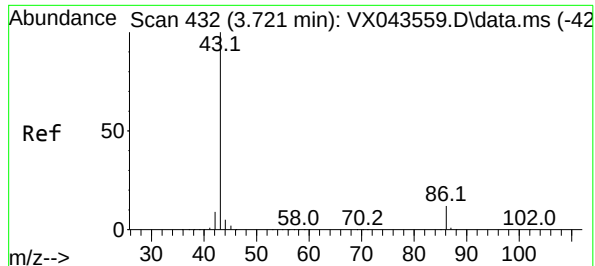
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#22
Diisopropyl ether
Concen: 18.024 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 45 Resp: 139725
Ion Ratio Lower Upper
45 100
43 85.7 60.6 90.8
87 28.5 22.0 33.0
59 12.1 9.5 14.3





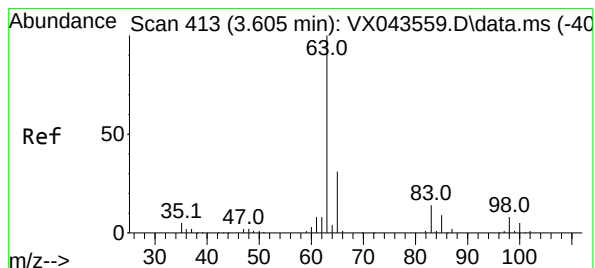
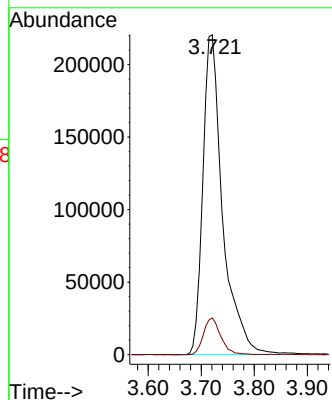
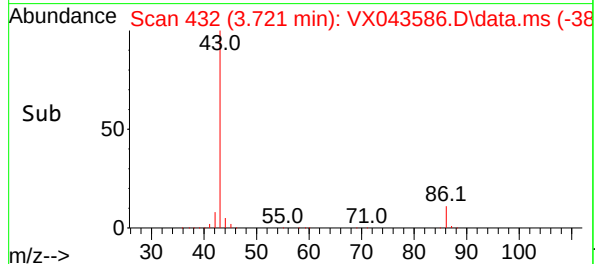
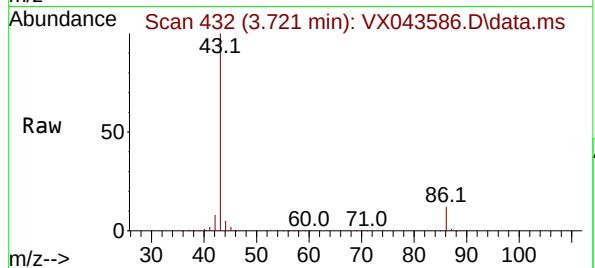
#23
Vinyl Acetate
Concen: 89.264 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 43 Resp: 57169
Ion Ratio Lower Upper
43 100
86 11.5 9.0 13.4

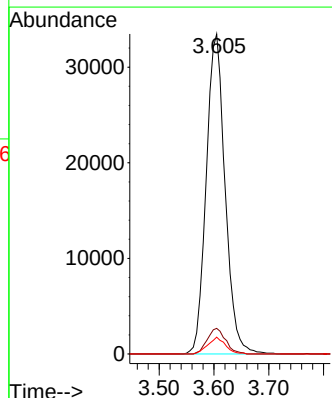
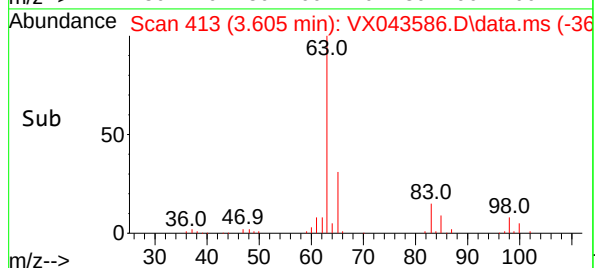
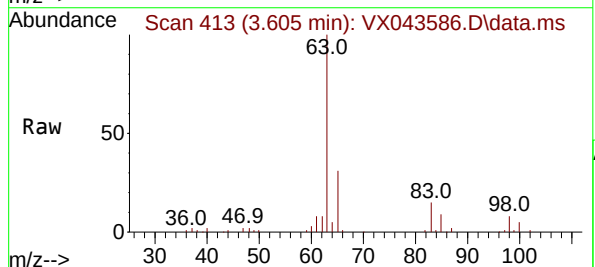
Manual Integrations
APPROVED

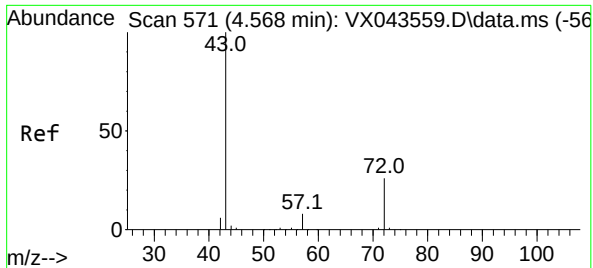
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#24
1,1-Dichloroethane
Concen: 17.909 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 63 Resp: 79799
Ion Ratio Lower Upper
63 100
98 8.0 3.5 10.4
100 5.2 2.4 7.2





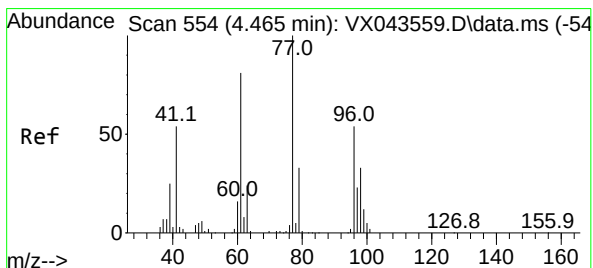
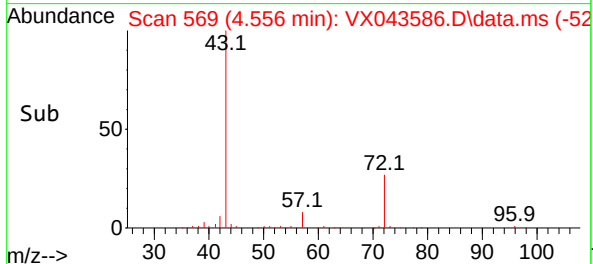
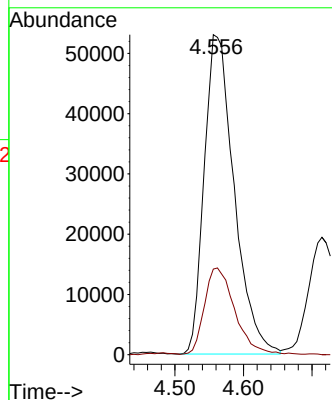
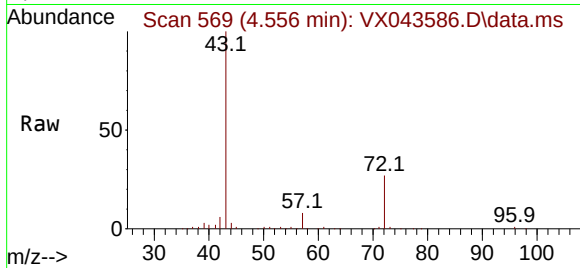
#25
2-Butanone
Concen: 86.062 ug/l
RT: 4.556 min Scan# 571
Delta R.T. -0.012 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 43 Resp: 160914
Ion Ratio Lower Upper
43 100
72 26.7 21.1 31.7

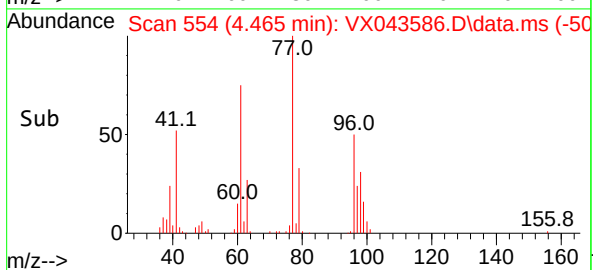
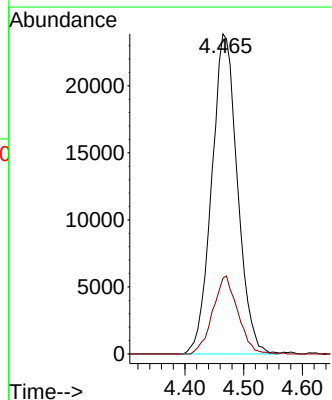
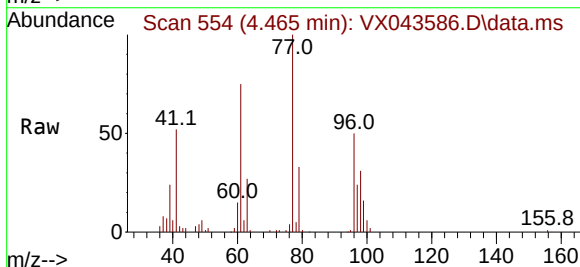
Manual Integrations
APPROVED

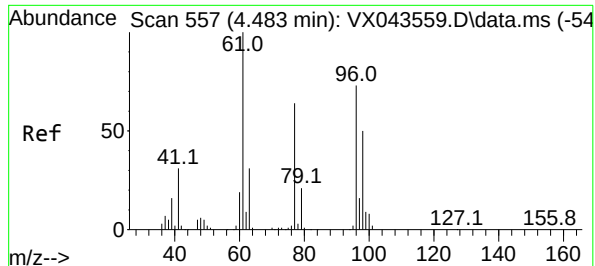
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#26
2,2-Dichloropropane
Concen: 19.908 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 77 Resp: 72610
Ion Ratio Lower Upper
77 100
97 23.7 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 18.448 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 96 Resp: 5398

Ion Ratio Lower Upper

96 100

61 139.6 0.0 277.2

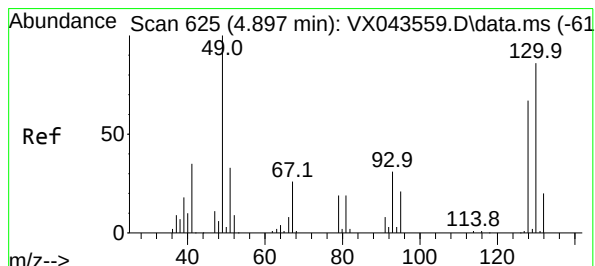
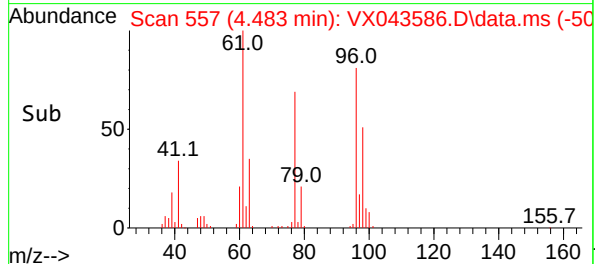
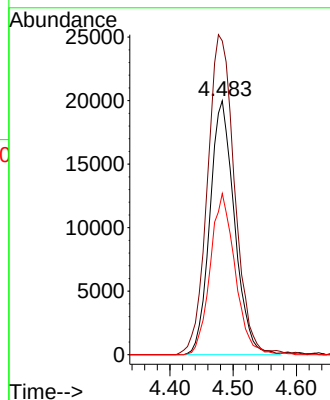
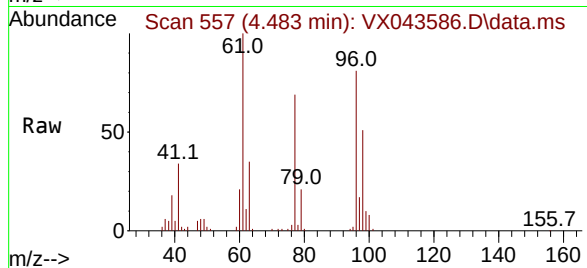
98 64.1 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#28

Bromochloromethane

Concen: 17.489 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

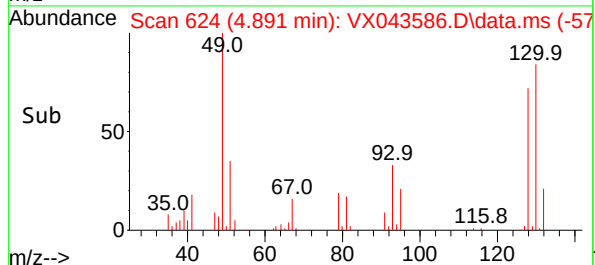
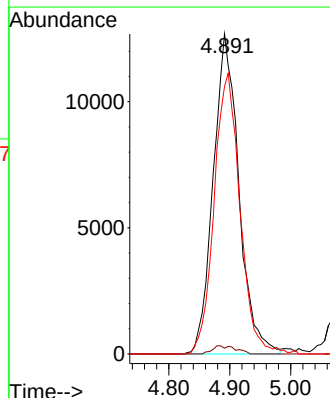
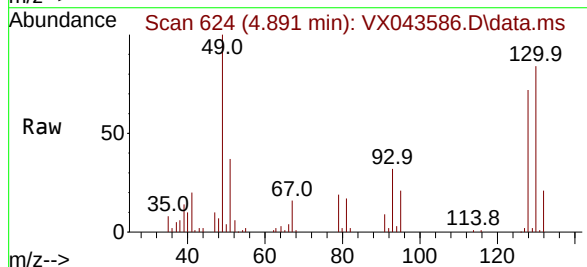
Tgt Ion: 49 Resp: 37071

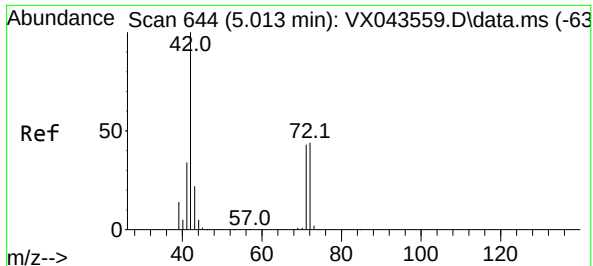
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 88.6 67.8 101.8





#29

Tetrahydrofuran

Concen: 82.487 ug/l

RT: 5.007 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 42 Resp: 100228

Ion Ratio Lower Upper

42 100

72 47.2 36.6 55.0

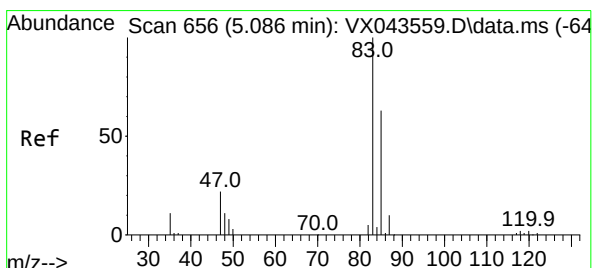
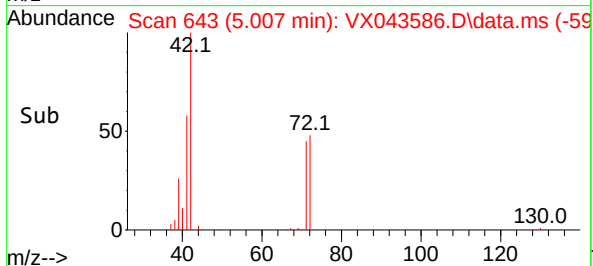
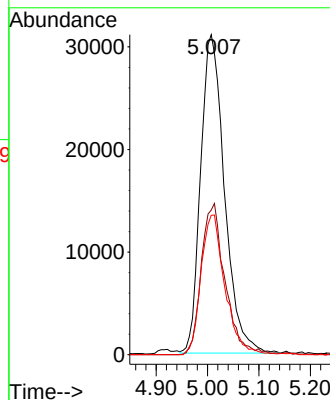
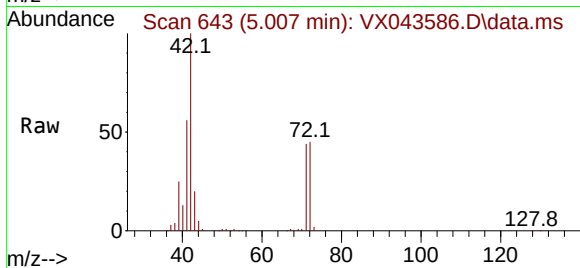
71 43.8 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#30

Chloroform

Concen: 18.055 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX043586.D

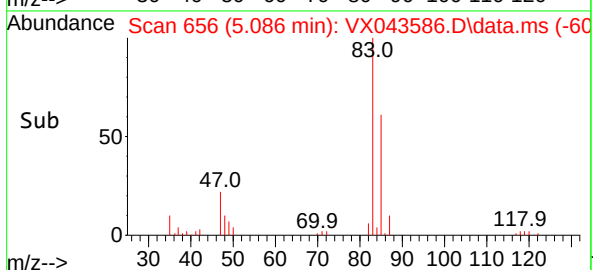
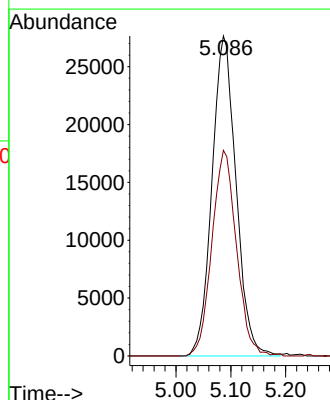
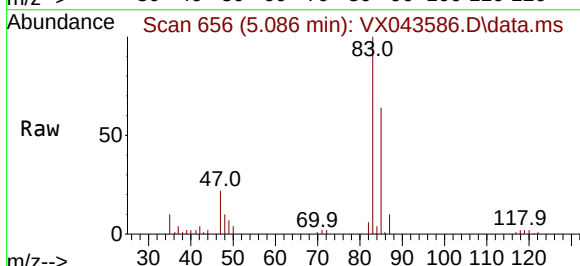
Acq: 29 Oct 2024 10:57

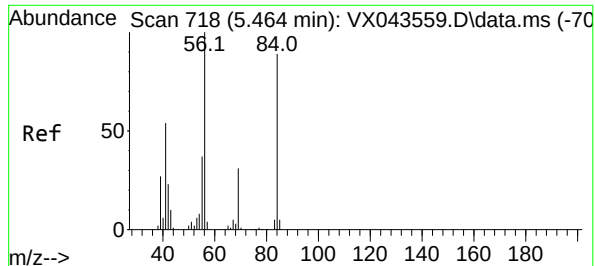
Tgt Ion: 83 Resp: 84330

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.4





#31

Cyclohexane

Concen: 20.338 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX043586.D

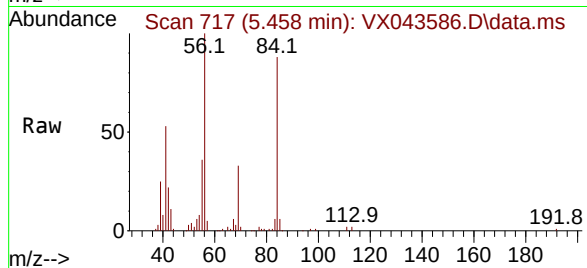
Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01



Tgt Ion: 56 Resp: 69310

Ion Ratio Lower Upper

56 100

69 33.4 24.9 37.3

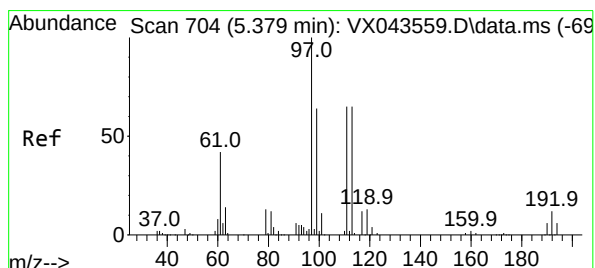
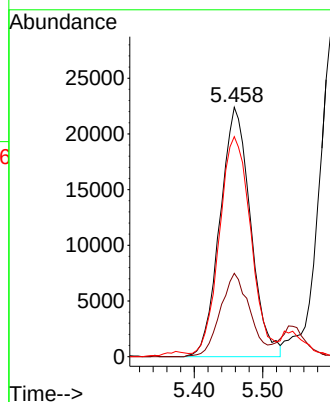
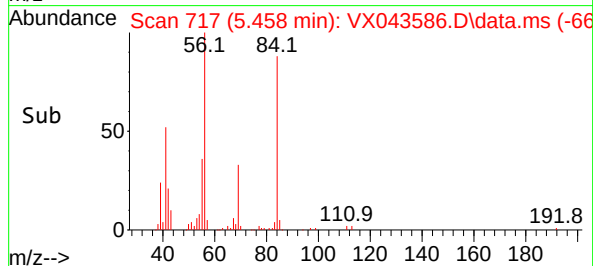
84 86.4 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#32

1,1,1-Trichloroethane

Concen: 19.420 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

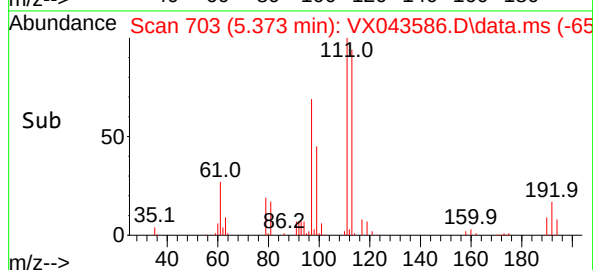
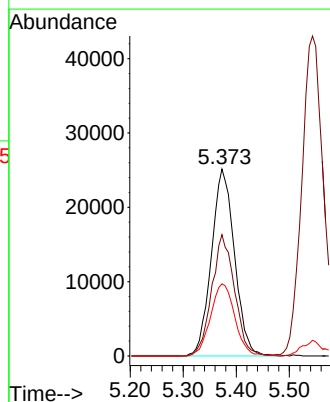
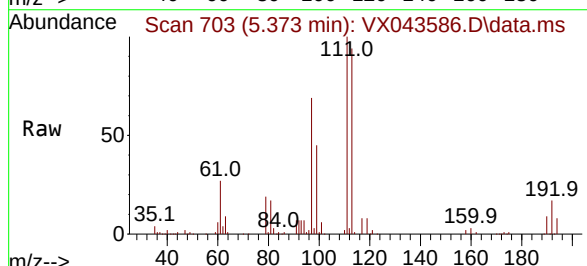
Tgt Ion: 97 Resp: 76151

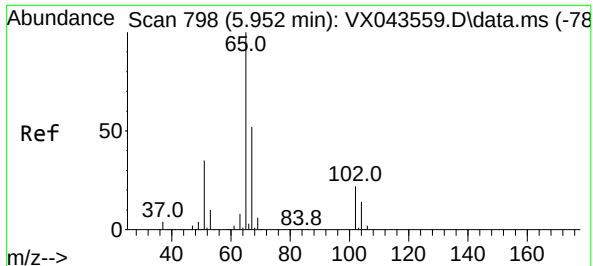
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 40.6 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 42.105 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 65 Resp: 135908

Ion Ratio Lower Upper

65 100

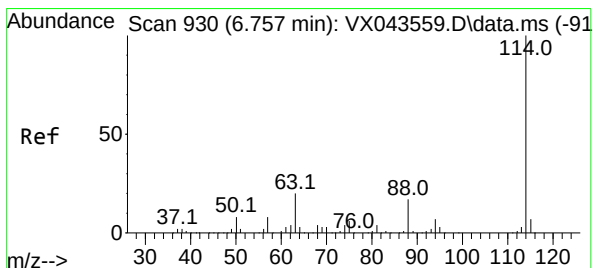
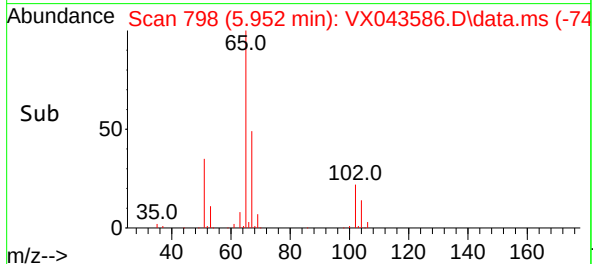
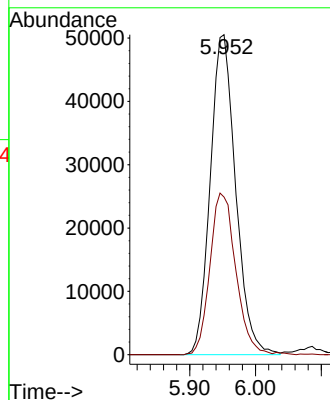
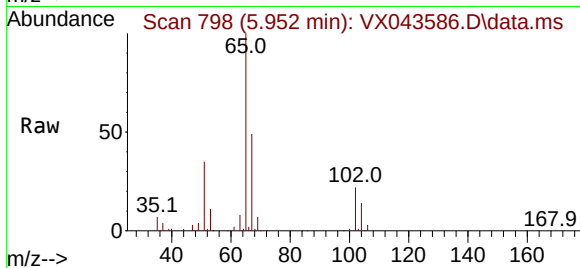
67 51.3 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

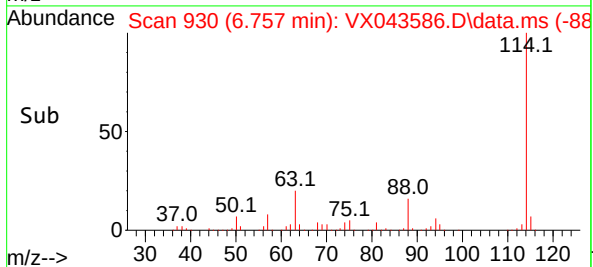
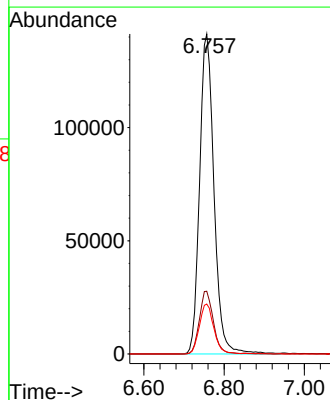
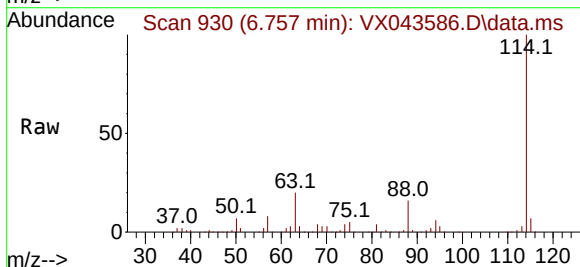
Tgt Ion:114 Resp: 352202

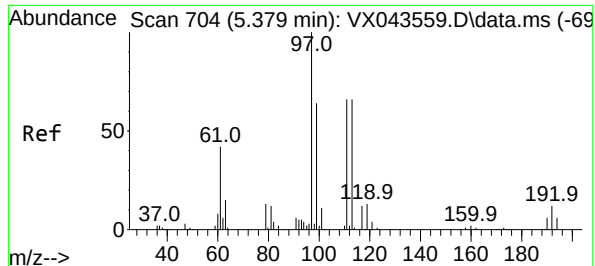
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.2

88 15.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.642 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX043586.D

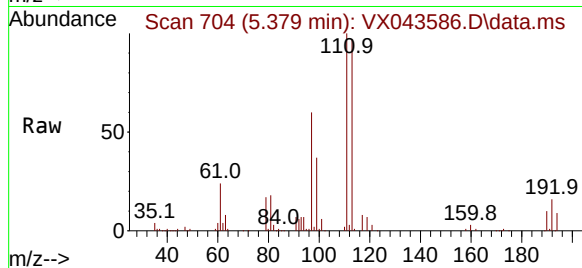
Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01



Tgt Ion:113 Resp: 111394

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

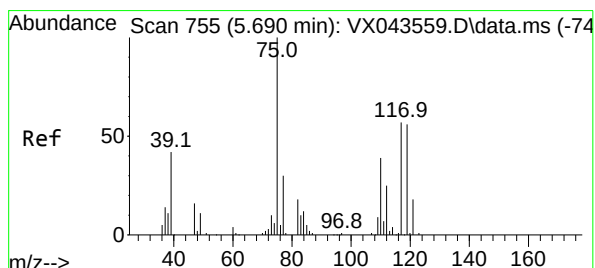
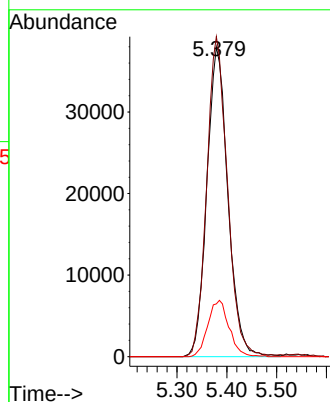
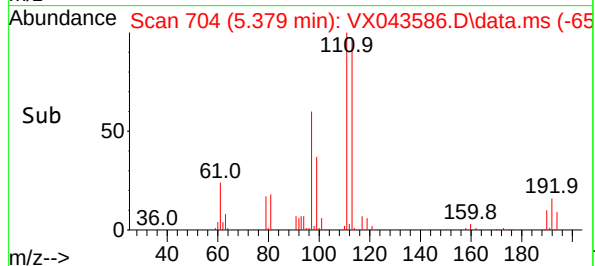
192 18.3 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#36

1,1-Dichloropropene

Concen: 19.875 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

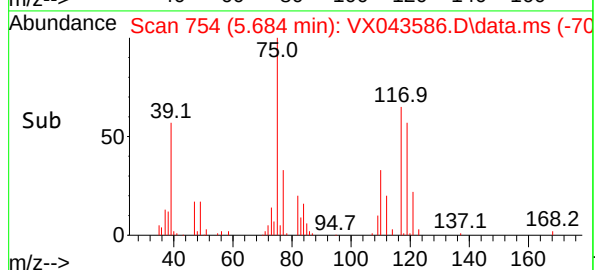
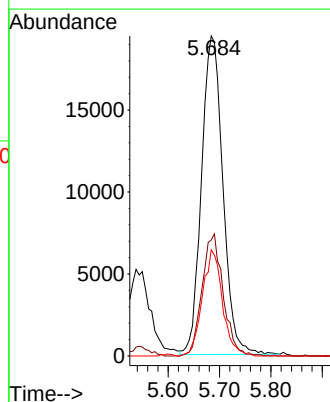
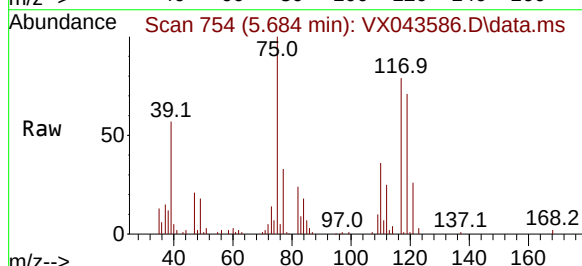
Tgt Ion: 75 Resp: 56285

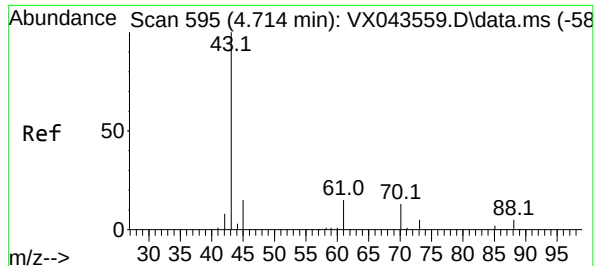
Ion Ratio Lower Upper

75 100

110 37.7 17.9 53.7

77 31.3 25.0 37.4





#37

Ethyl Acetate

Concen: 17.501 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.006 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

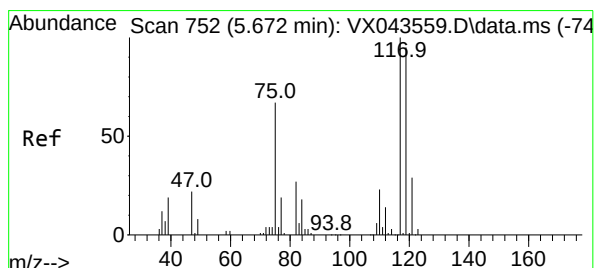
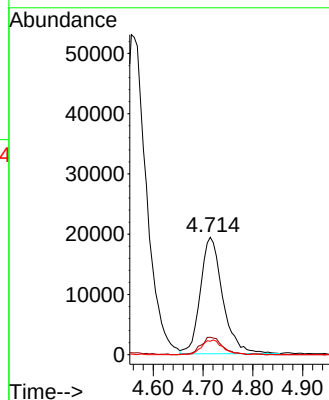
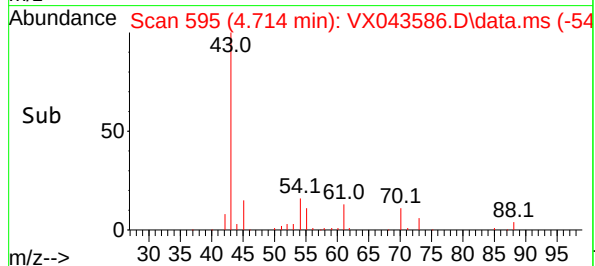
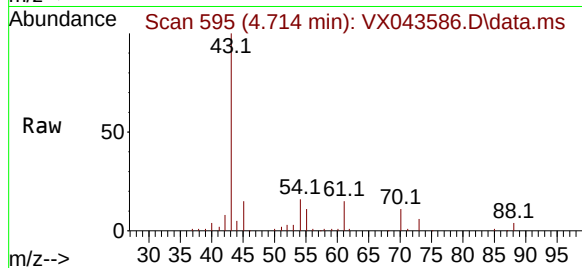
VX1029WBS01

Tgt Ion:	43	Resp:	6017
Ion Ratio	Lower	Upper	
43	100		
61	14.5	11.0	16.6
70	12.0	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#38

Carbon Tetrachloride

Concen: 20.104 ug/l

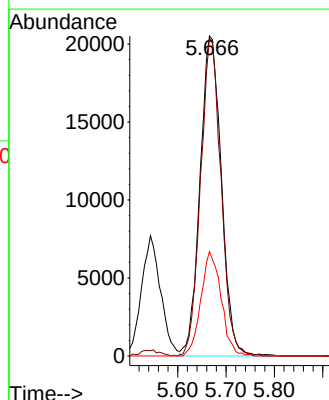
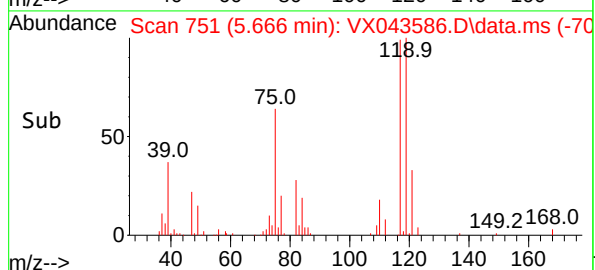
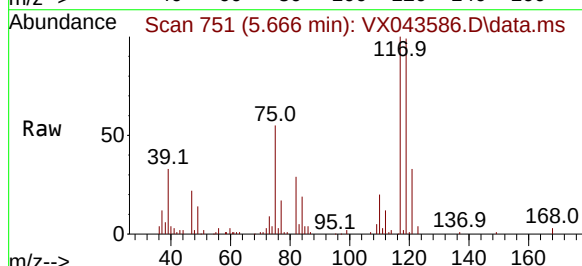
RT: 5.666 min Scan# 751

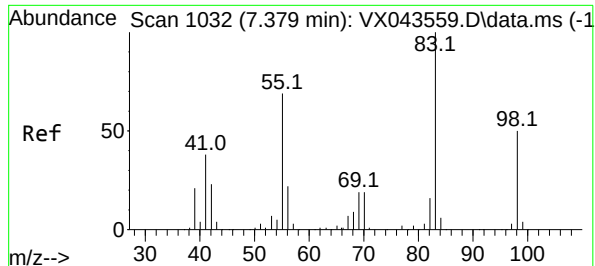
Delta R.T. -0.006 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Tgt Ion:	117	Resp:	62906
Ion Ratio	Lower	Upper	
117	100		
119	99.3	77.0	115.6
121	32.7	24.7	37.1





#39

Methylcyclohexane

Concen: 21.340 ug/l

RT: 7.373 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 83 Resp: 75030

Ion Ratio Lower Upper

83 100

55 74.6 59.9 89.9

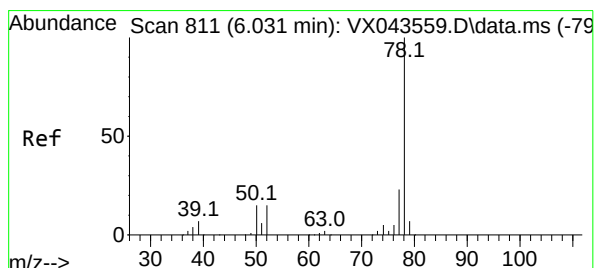
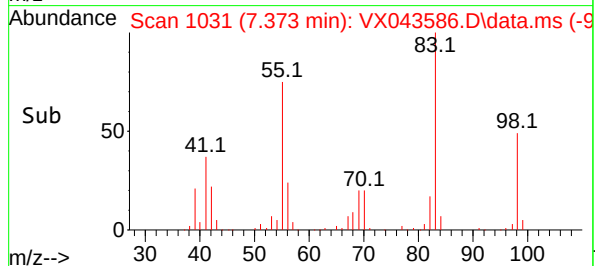
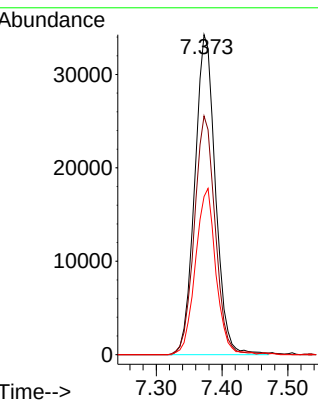
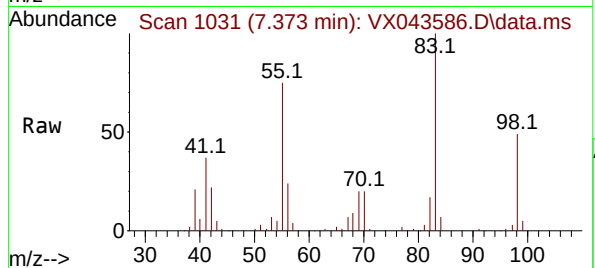
98 49.4 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#40

Benzene

Concen: 18.917 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043586.D

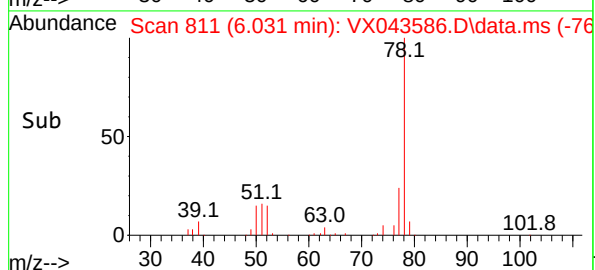
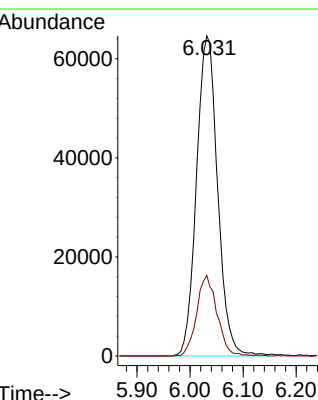
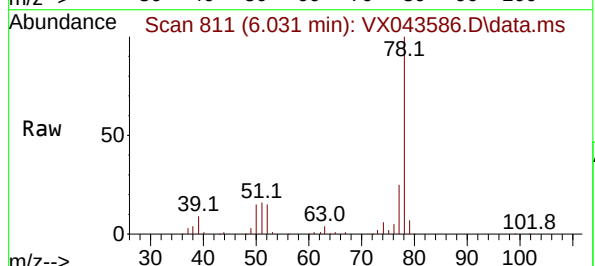
Acq: 29 Oct 2024 10:57

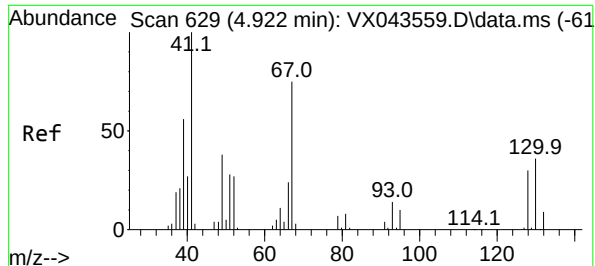
Tgt Ion: 78 Resp: 178716

Ion Ratio Lower Upper

78 100

77 25.2 18.4 27.6





#41

Methacrylonitrile

Concen: 18.374 ug/l

RT: 4.922 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 41 Resp: 3315

Ion Ratio Lower Upper

41 100

39 54.2 43.5 65.3

67 77.0 58.3 87.5

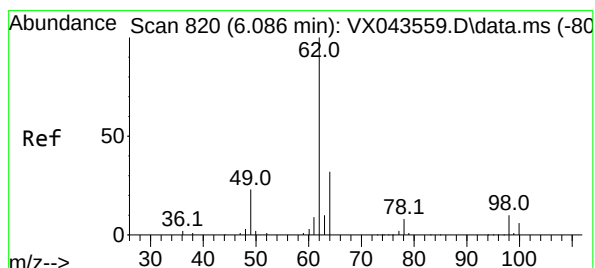
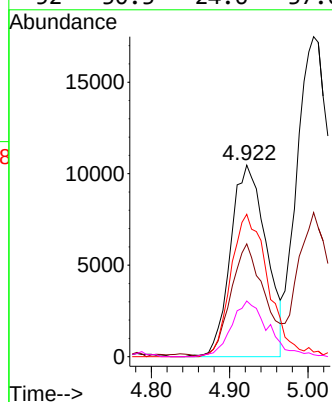
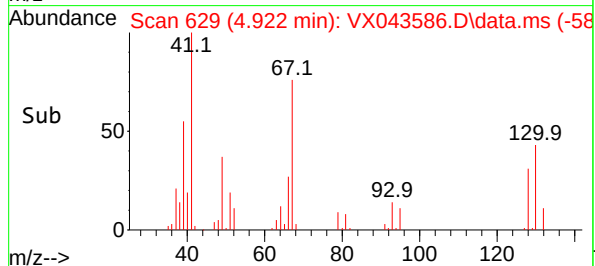
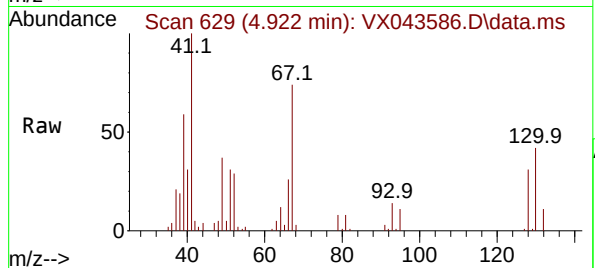
52 30.3 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#42

1,2-Dichloroethane

Concen: 18.332 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.006 min

Lab File: VX043586.D

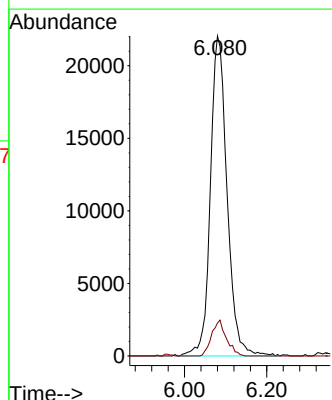
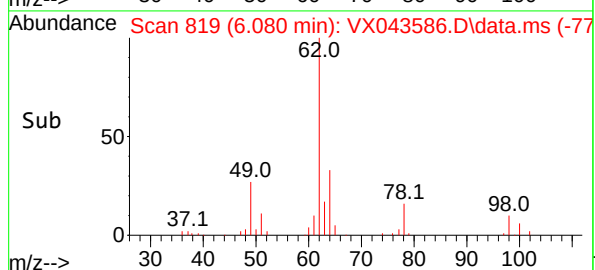
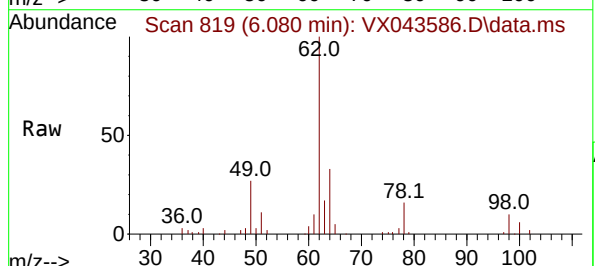
Acq: 29 Oct 2024 10:57

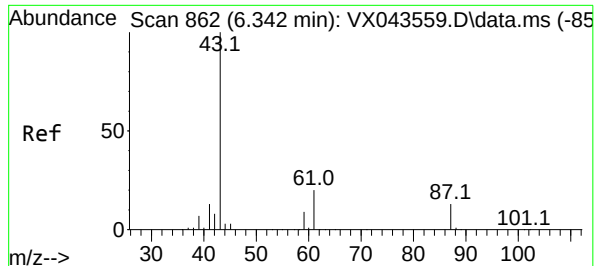
Tgt Ion: 62 Resp: 62263

Ion Ratio Lower Upper

62 100

98 9.9 0.0 18.8





#43

Isopropyl Acetate

Concen: 17.607 ug/l

RT: 6.336 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 43 Resp: 10011

Ion Ratio Lower Upper

43

100

61

87

20.5 16.2 24.4

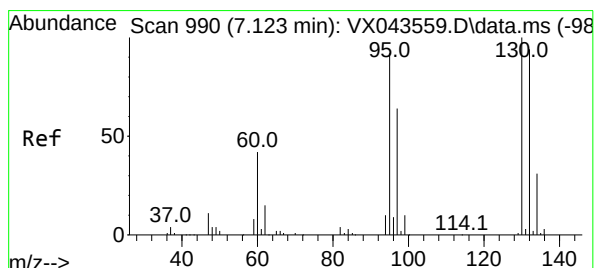
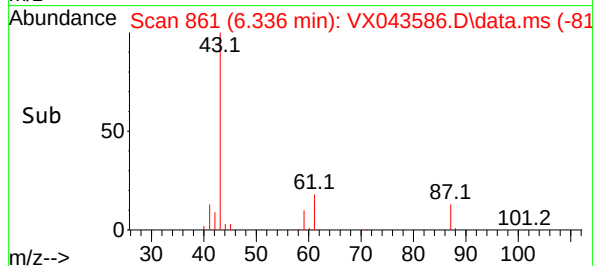
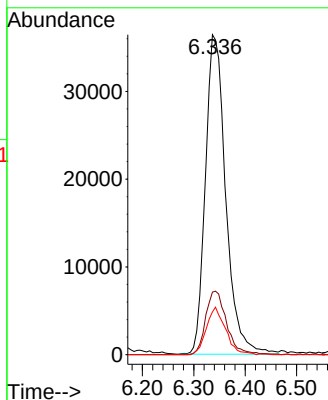
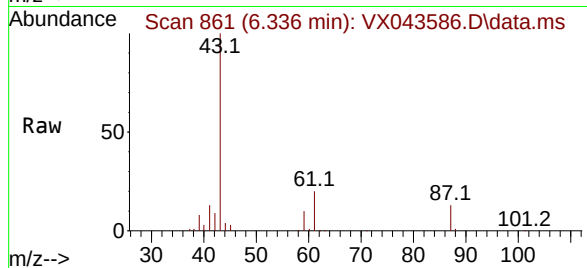
14.0 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#44

Trichloroethene

Concen: 19.649 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

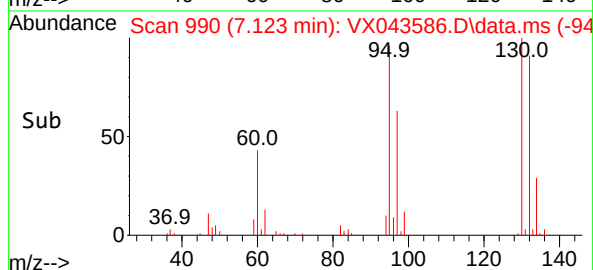
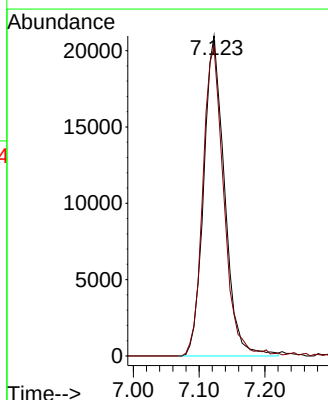
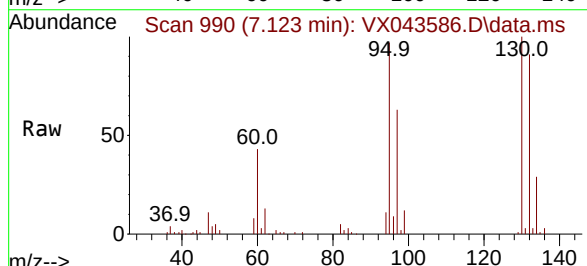
Tgt Ion:130 Resp: 46116

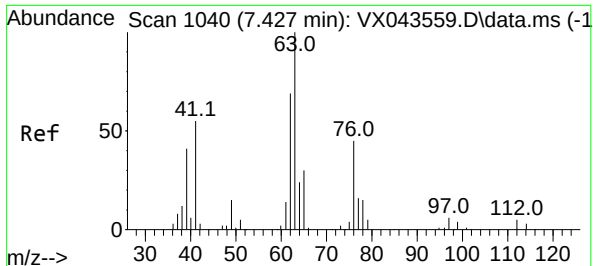
Ion Ratio Lower Upper

130

95

100 0.0 202.6





#45

1,2-Dichloropropane

Concen: 18.174 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 63 Resp: 4227

Ion Ratio Lower Upper

63 100

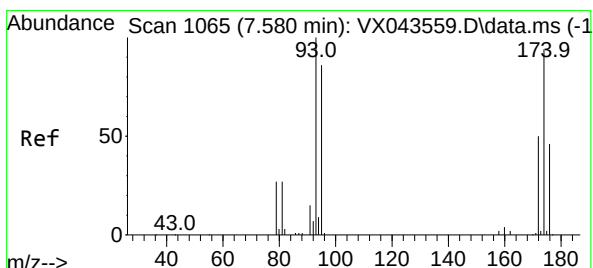
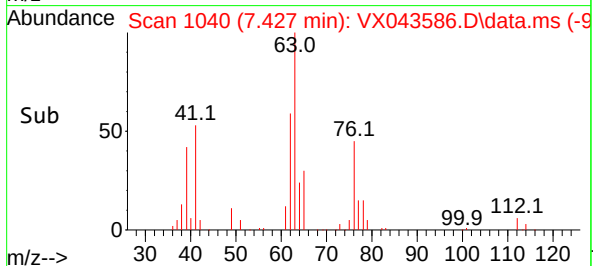
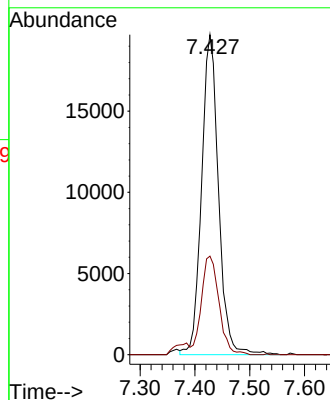
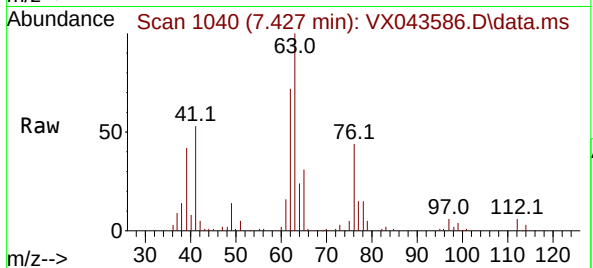
65 30.8 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#46

Dibromomethane

Concen: 17.910 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

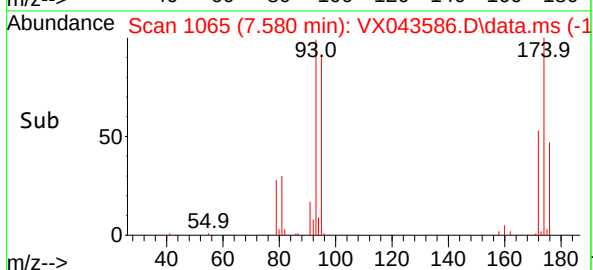
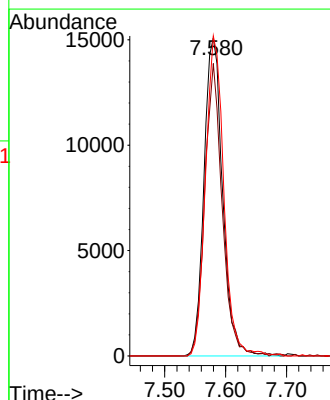
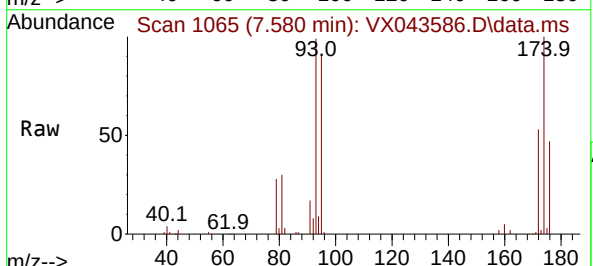
Tgt Ion: 93 Resp: 32080

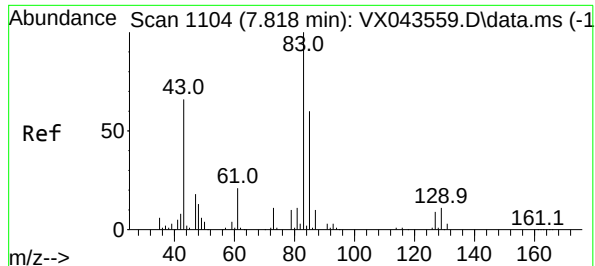
Ion Ratio Lower Upper

93 100

95 85.9 66.4 99.6

174 98.8 75.0 112.4





#47

Bromodichloromethane

Concen: 18.310 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 83 Resp: 5753

Ion Ratio Lower Upper

83 100

85 65.7 52.2 78.4

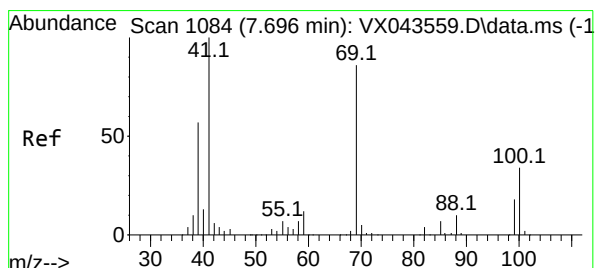
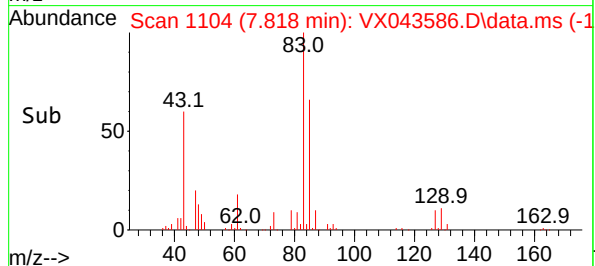
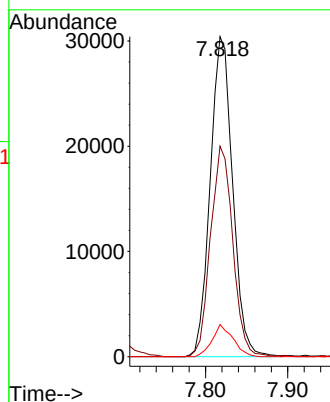
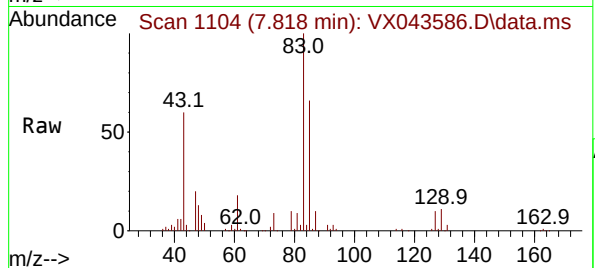
127 10.0 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#48

Methyl methacrylate

Concen: 17.927 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

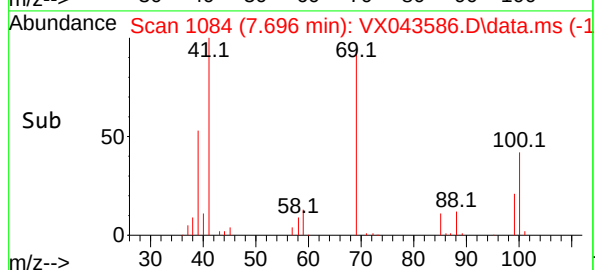
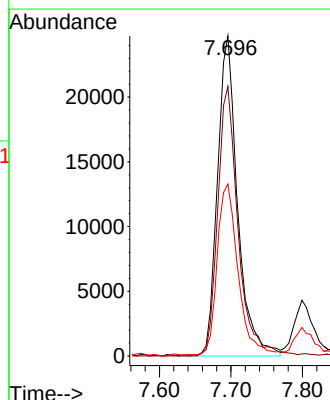
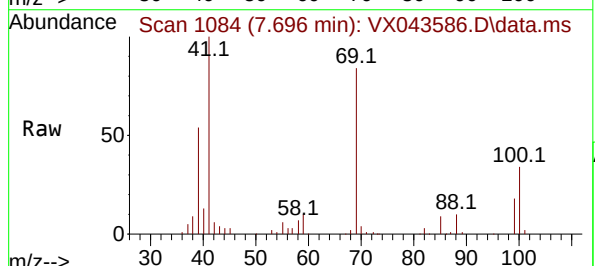
Tgt Ion: 41 Resp: 48326

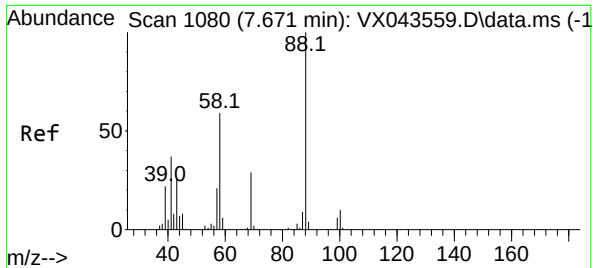
Ion Ratio Lower Upper

41 100

69 85.0 67.7 101.5

39 54.6 46.3 69.5





#49

1,4-Dioxane

Concen: 417.634 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

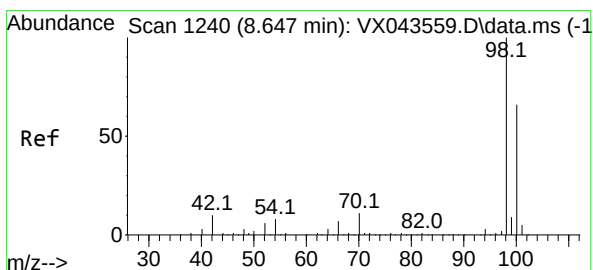
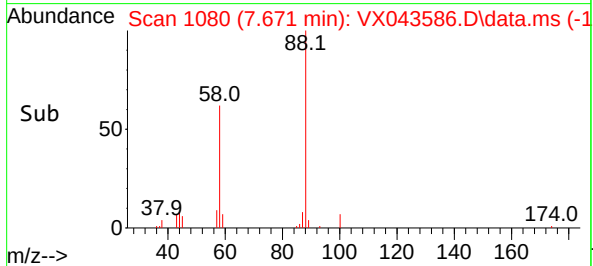
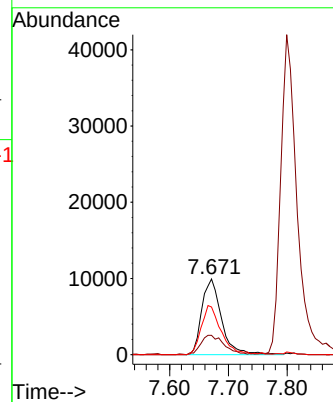
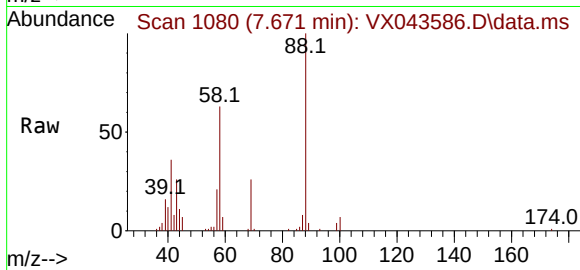
VX1029WBS01

Tgt Ion:	88	Resp:	23130
Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.3	37.9
58	64.9	53.9	80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#50

Toluene-d8

Concen: 48.283 ug/l

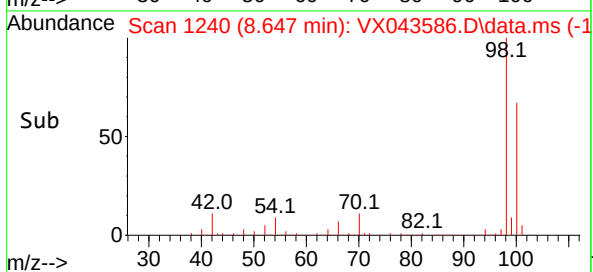
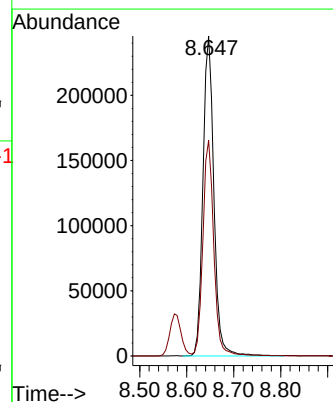
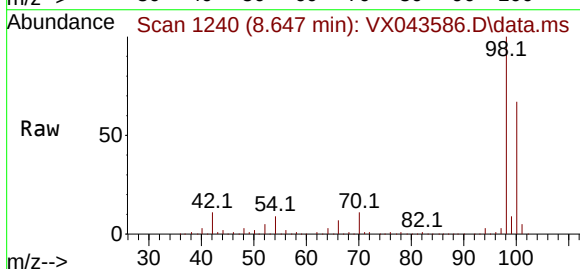
RT: 8.647 min Scan# 1240

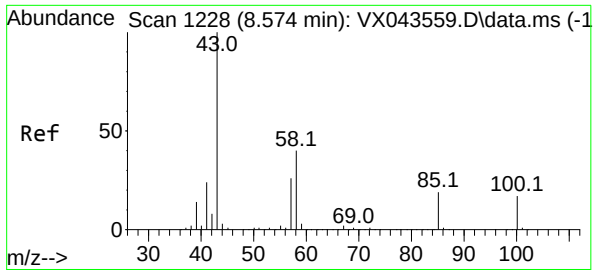
Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Tgt Ion:	98	Resp:	399169
Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.2





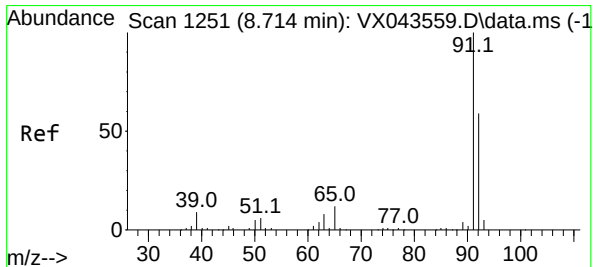
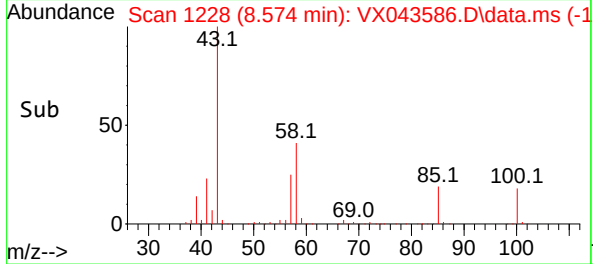
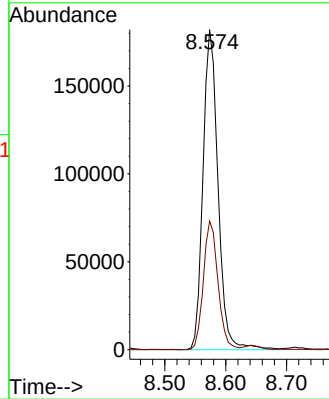
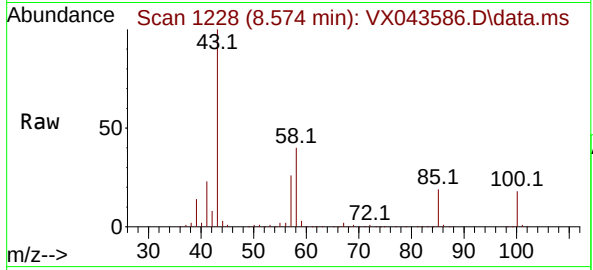
#51
4-Methyl-2-Pentanone
Concen: 90.192 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 43 Resp: 312558
Ion Ratio Lower Upper
43 100
58 39.0 31.7 47.5

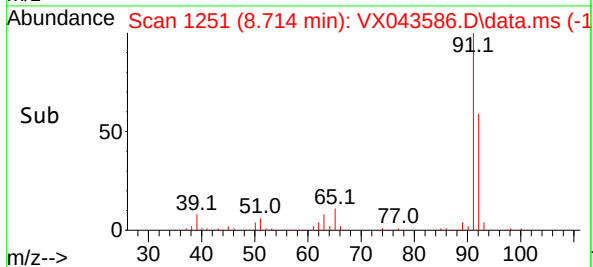
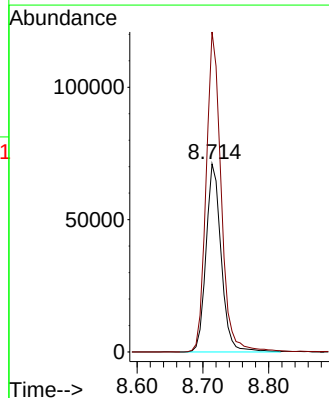
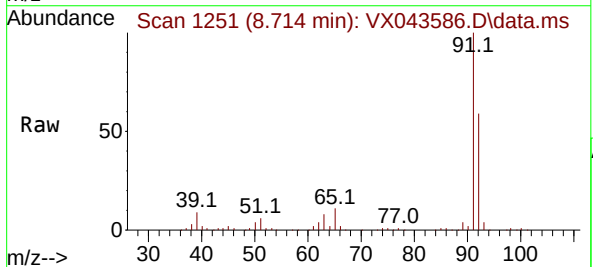
Manual Integrations
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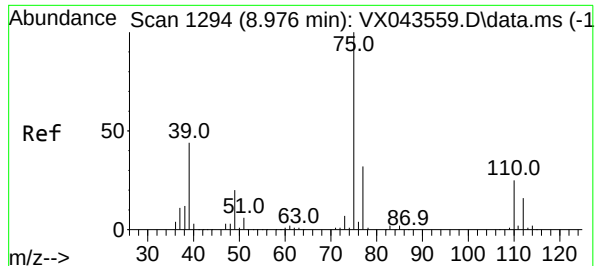
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#52
Toluene
Concen: 19.871 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 92 Resp: 113851
Ion Ratio Lower Upper
92 100
91 169.0 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 17.650 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 75 Resp: 5956

Ion Ratio Lower Upper

75 100

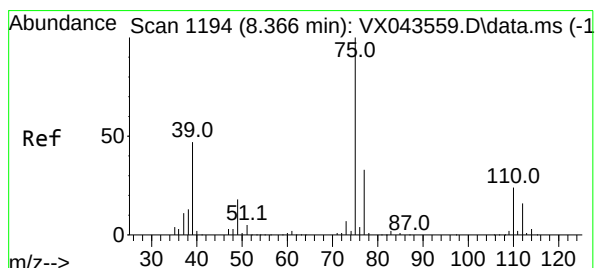
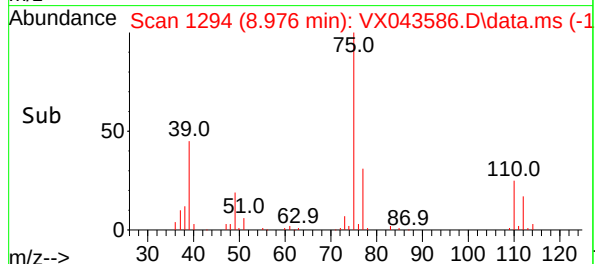
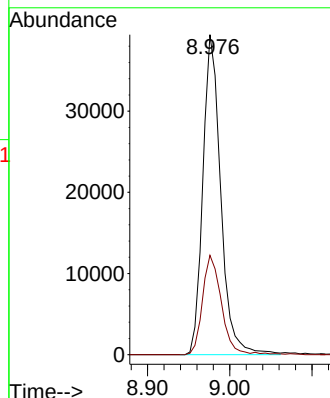
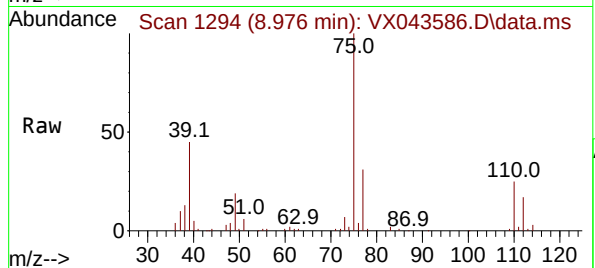
77 31.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#54

cis-1,3-Dichloropropene

Concen: 19.517 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

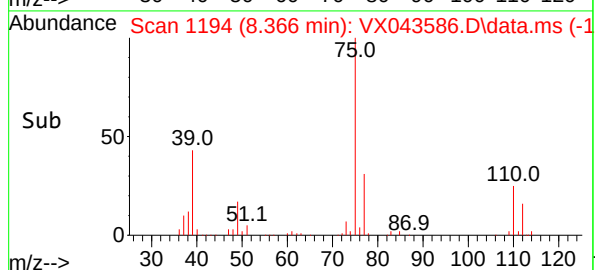
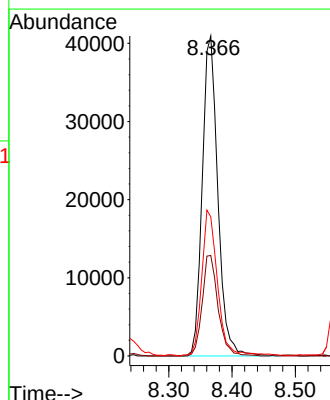
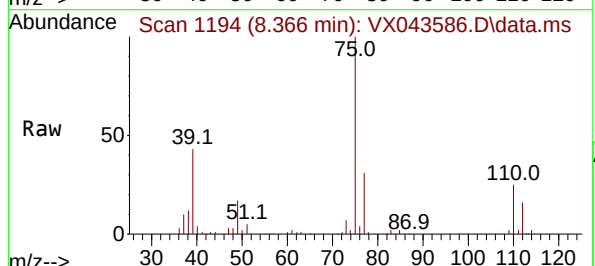
Tgt Ion: 75 Resp: 70181

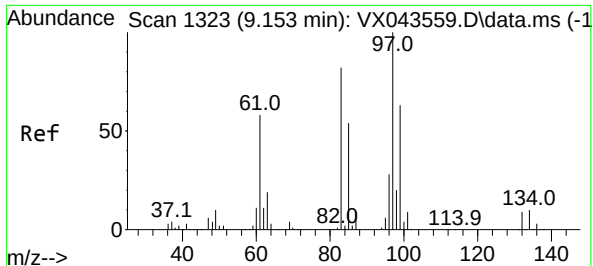
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 43.5 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 18.797 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 97 Resp: 44829

Ion Ratio Lower Upper

97 100

83 75.7 67.3 100.9

85 50.3 43.6 65.4

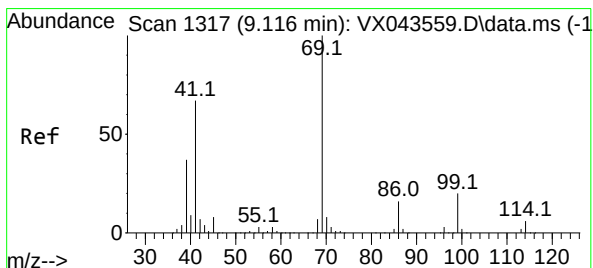
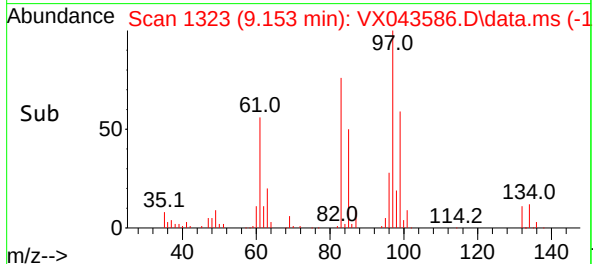
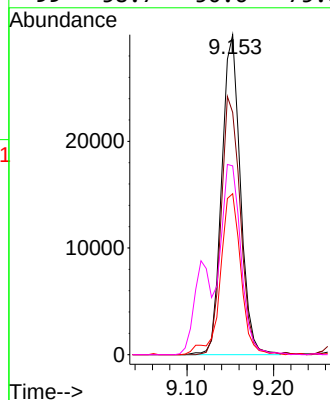
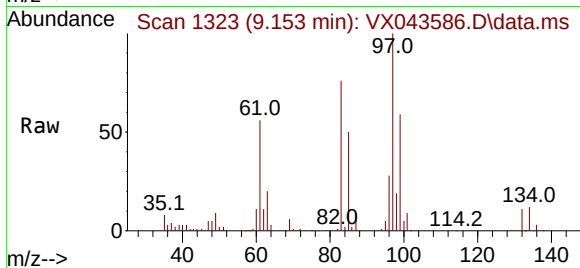
99 58.7 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#56

Ethyl methacrylate

Concen: 17.934 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

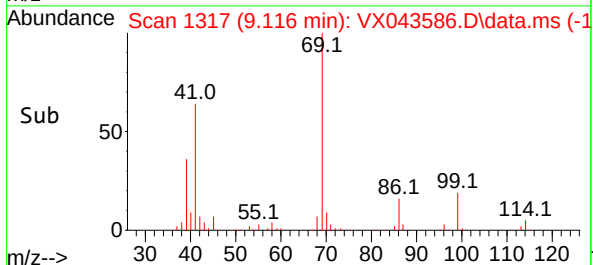
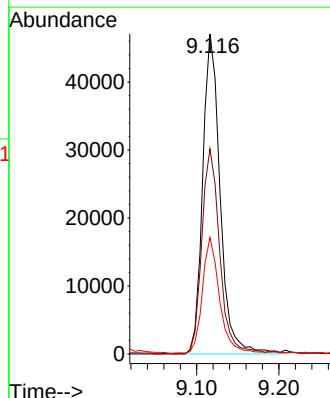
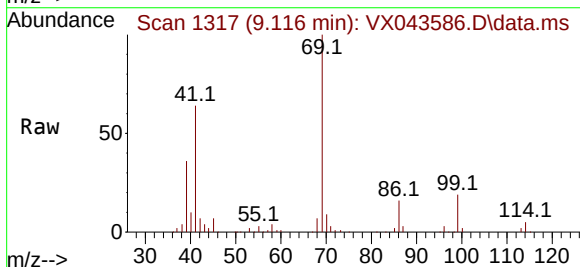
Tgt Ion: 69 Resp: 69497

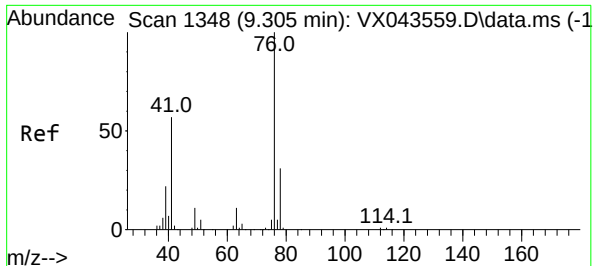
Ion Ratio Lower Upper

69 100

41 65.7 53.8 80.8

39 35.5 29.9 44.9





#57

1,3-Dichloropropane

Concen: 18.757 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 76 Resp: 74400

Ion Ratio Lower Upper

76 100

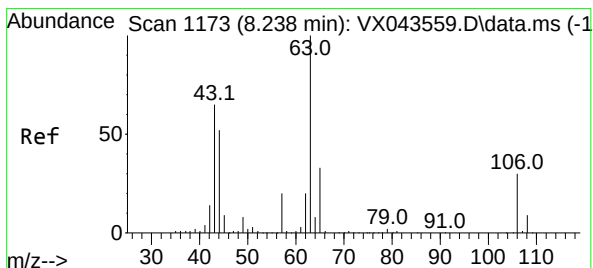
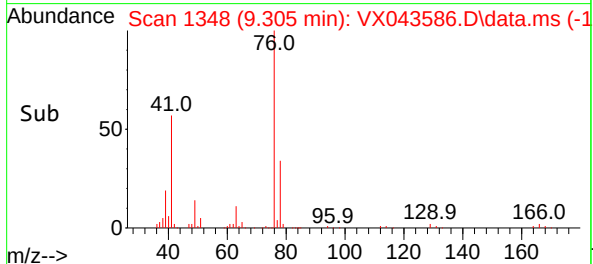
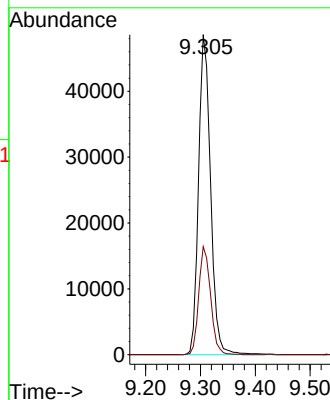
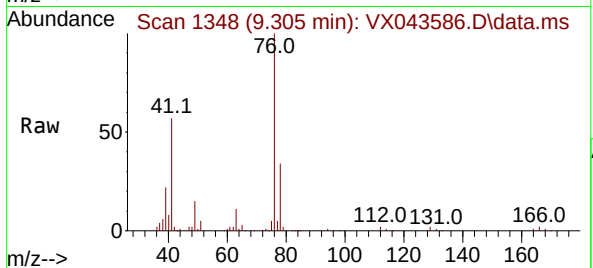
78 33.3 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#58

2-Chloroethyl Vinyl ether

Concen: 91.703 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043586.D

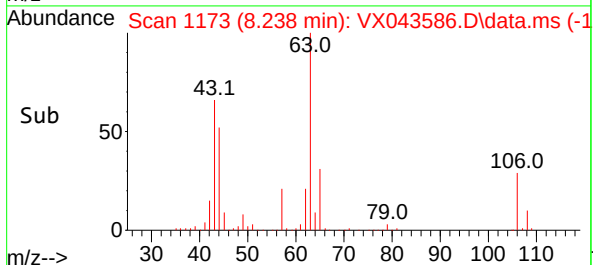
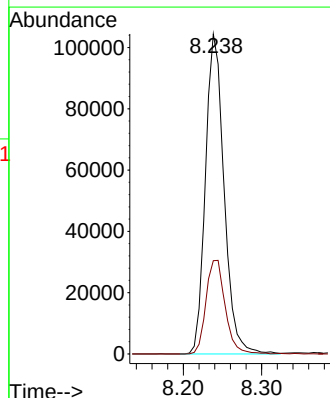
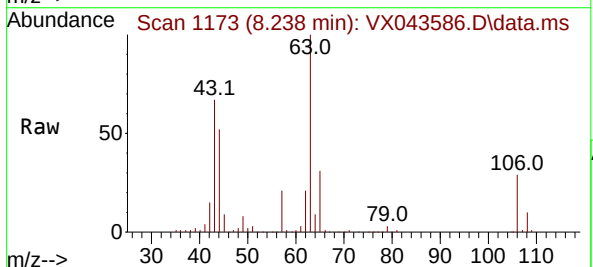
Acq: 29 Oct 2024 10:57

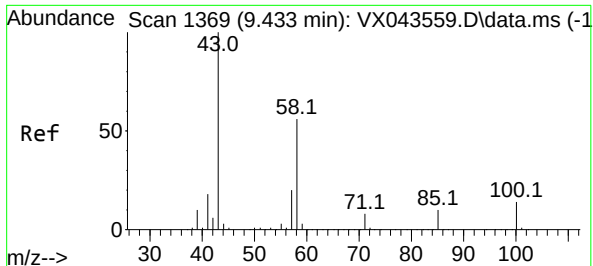
Tgt Ion: 63 Resp: 172110

Ion Ratio Lower Upper

63 100

106 30.2 23.6 35.4





#59

2-Hexanone

Concen: 91.242 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 43 Resp: 24015

Ion Ratio Lower Upper

43 100

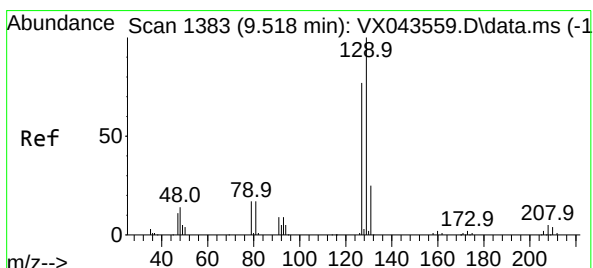
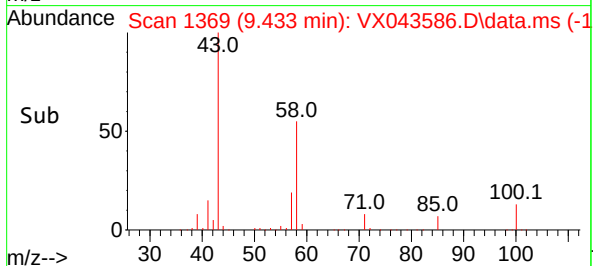
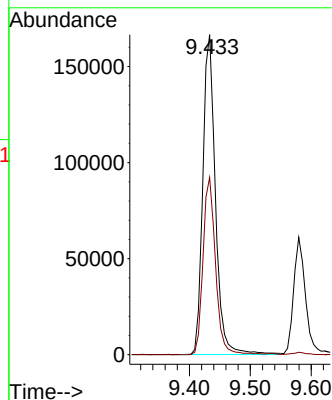
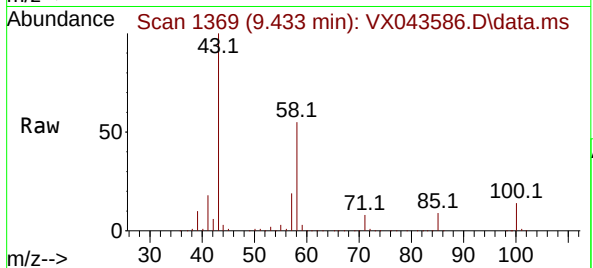
58 54.8 27.5 82.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#60

Dibromochloromethane

Concen: 18.709 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043586.D

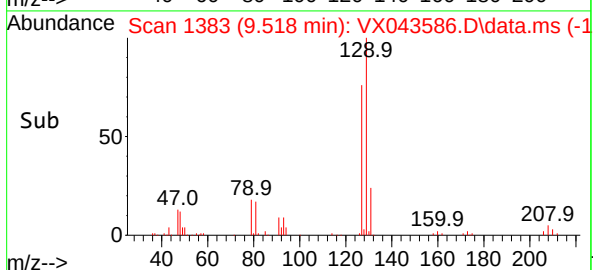
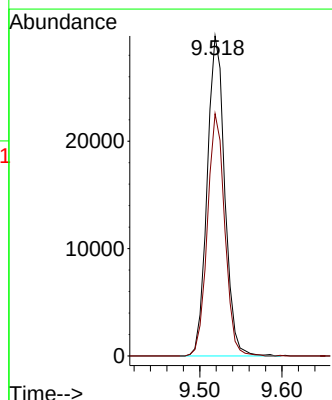
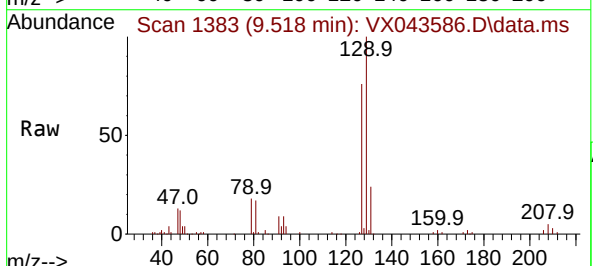
Acq: 29 Oct 2024 10:57

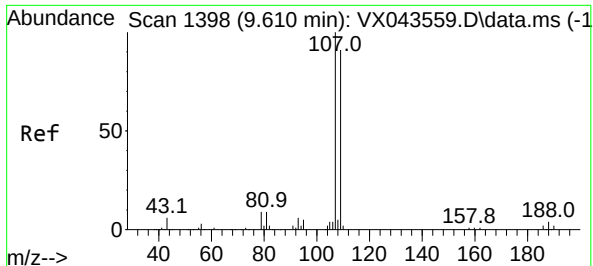
Tgt Ion:129 Resp: 44184

Ion Ratio Lower Upper

129 100

127 74.8 38.4 115.1





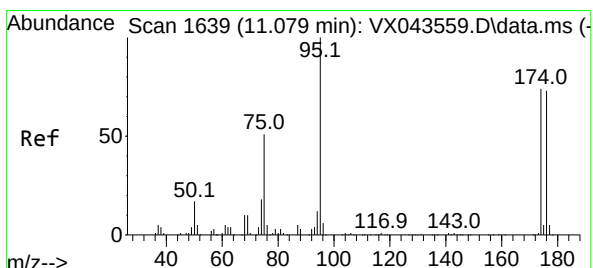
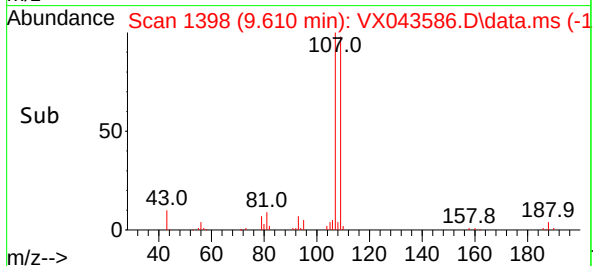
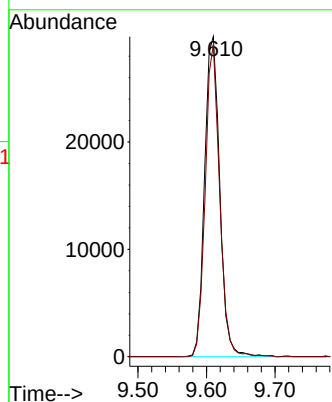
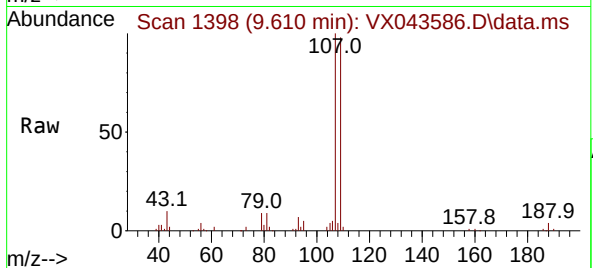
#61
1,2-Dibromoethane
Concen: 18.539 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:107 Resp: 4589
Ion Ratio Lower Upper
107 100
109 92.8 77.1 115.7

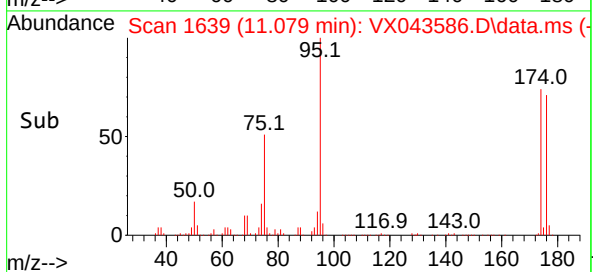
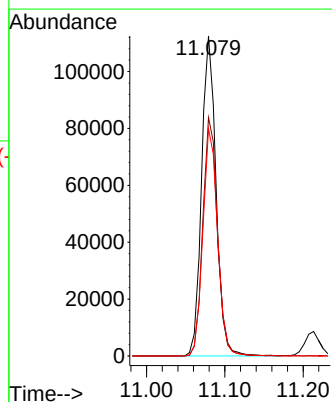
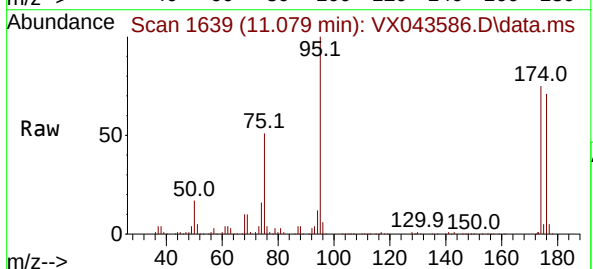
Manual Integrations
APPROVED

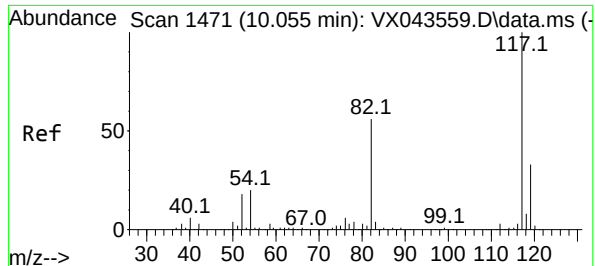
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#62
4-Bromofluorobenzene
Concen: 47.042 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 95 Resp: 144111
Ion Ratio Lower Upper
95 100
174 75.5 0.0 146.6
176 72.4 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

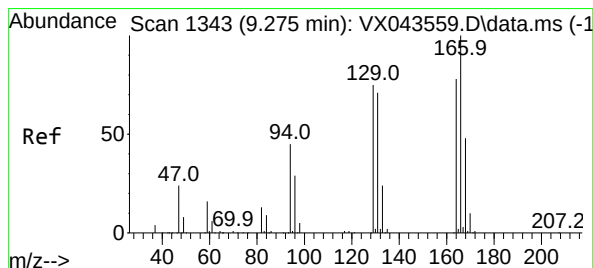
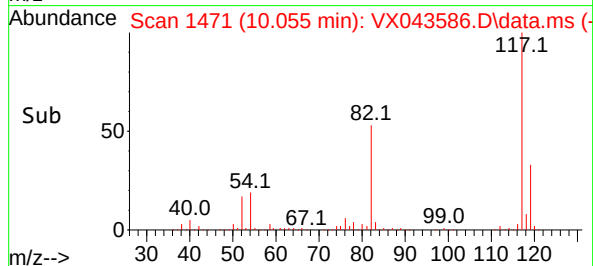
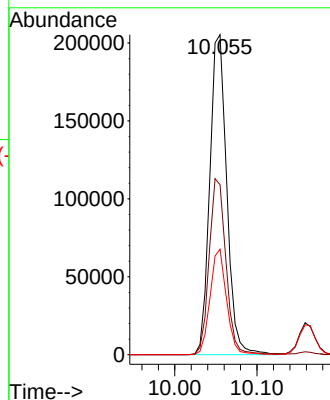
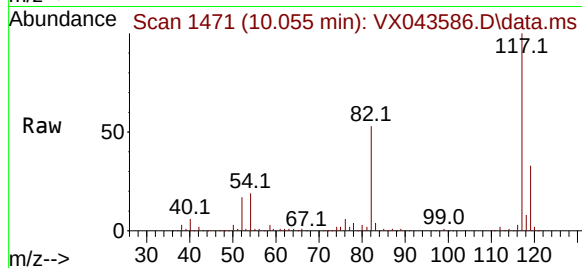
VX1029WBS01

Tgt Ion:	117	Resp:	29485
Ion Ratio	Lower	Upper	
117	100		
82	53.1	42.1	63.1
119	33.0	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#64

Tetrachloroethene

Concen: 21.213 ug/l

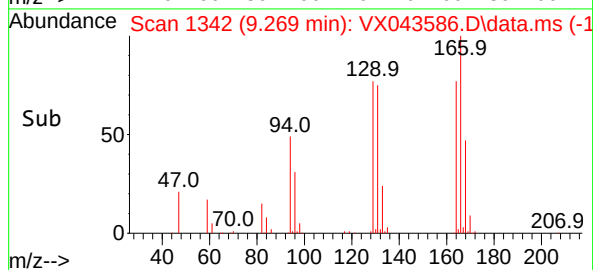
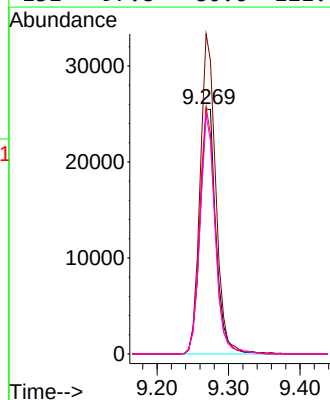
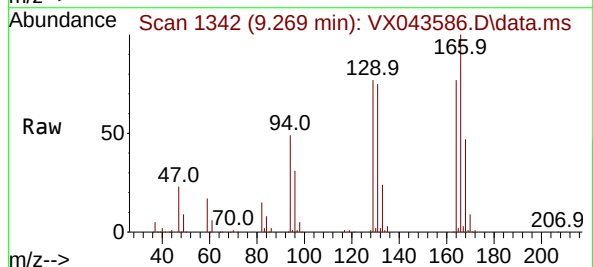
RT: 9.269 min Scan# 1342

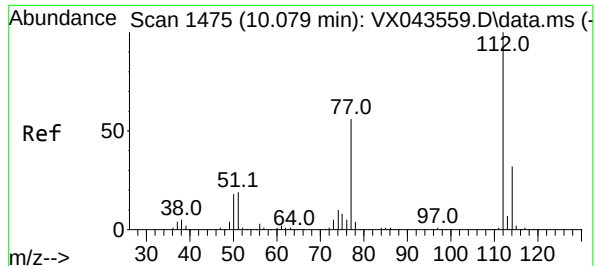
Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

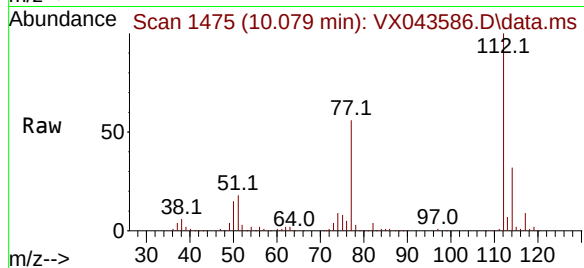
Tgt Ion:	164	Resp:	39340
Ion Ratio	Lower	Upper	
164	100		
166	130.7	103.8	155.6
129	101.0	83.8	125.6
131	97.8	80.6	121.0





#65
Chlorobenzene
Concen: 19.435 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

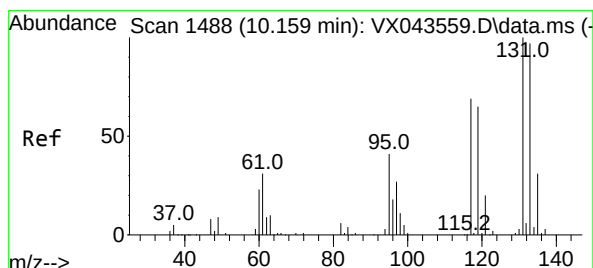
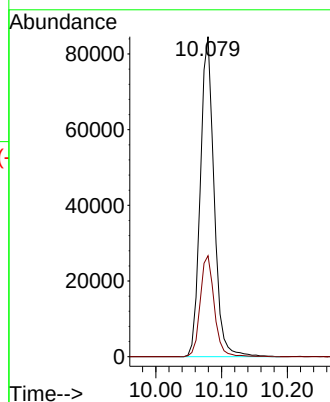
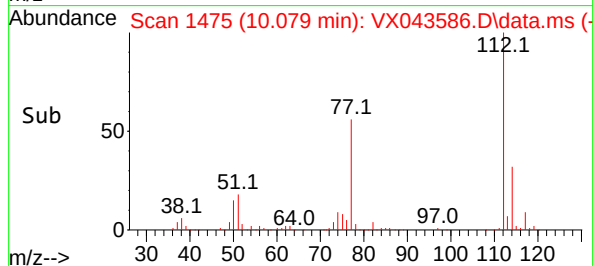
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01



Tgt Ion:112 Resp: 123280
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

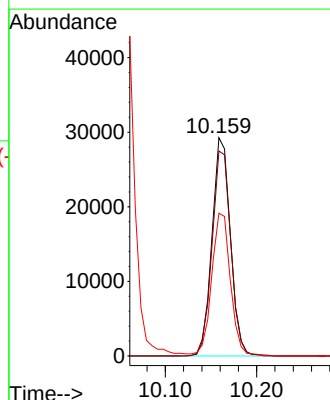
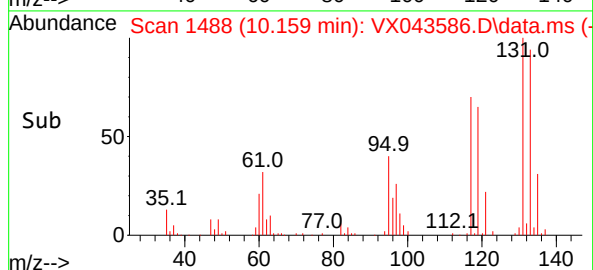
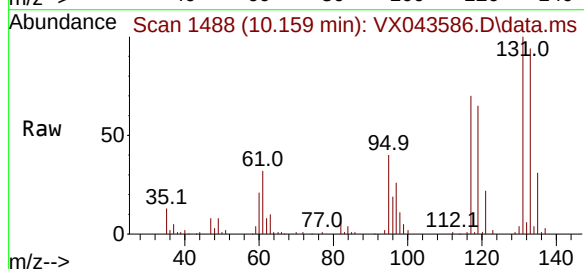
Manual Integrations
APPROVED

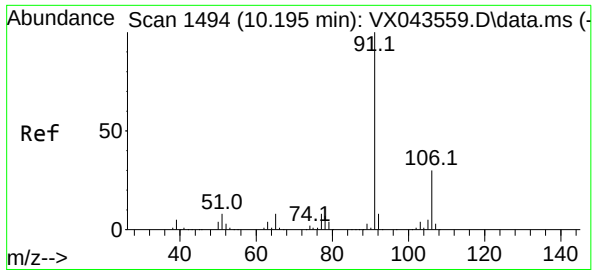
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 19.685 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:131 Resp: 40788
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 66.7 32.3 96.9





#67

Ethyl Benzene

Concen: 20.209 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 91 Resp: 20904

Ion Ratio Lower Upper

91 100

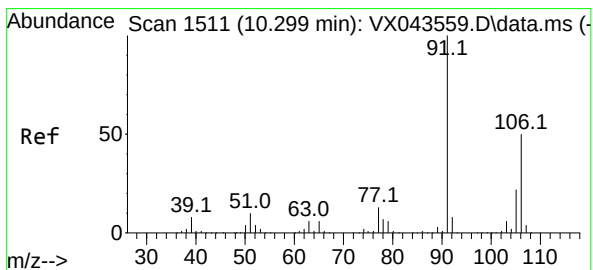
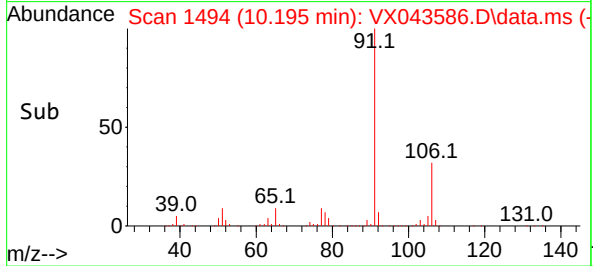
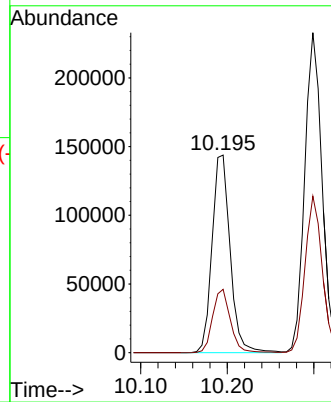
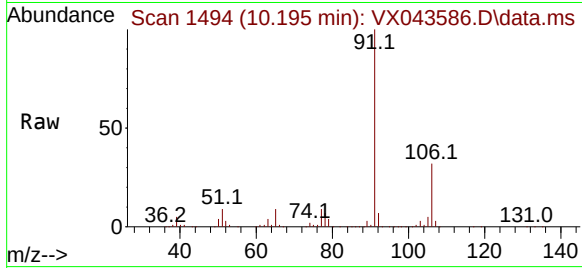
106 32.1 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#68

m/p-Xylenes

Concen: 40.586 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043586.D

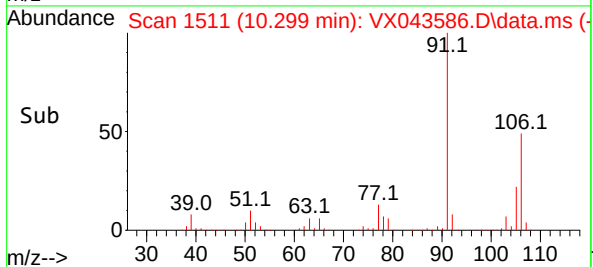
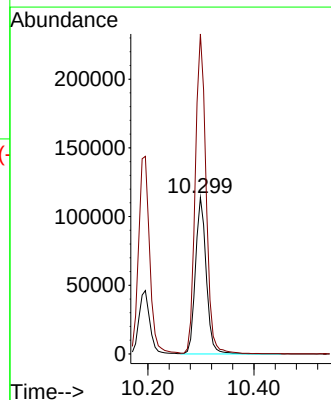
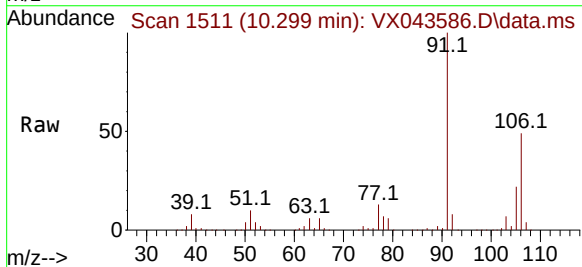
Acq: 29 Oct 2024 10:57

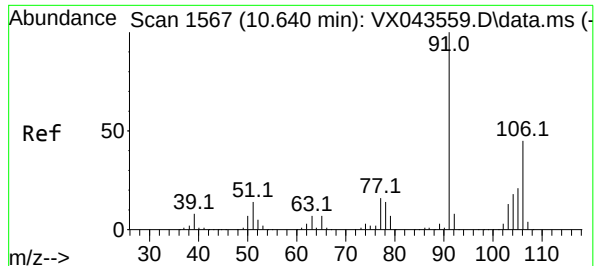
Tgt Ion:106 Resp: 160547

Ion Ratio Lower Upper

106 100

91 204.3 164.7 247.1





#69

o-Xylene

Concen: 20.128 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion:106 Resp: 7999

Ion Ratio Lower Upper

106 100

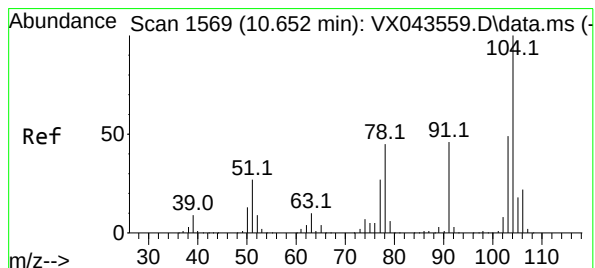
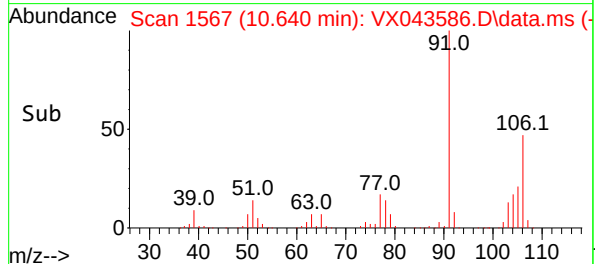
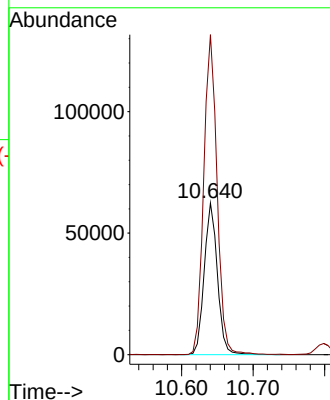
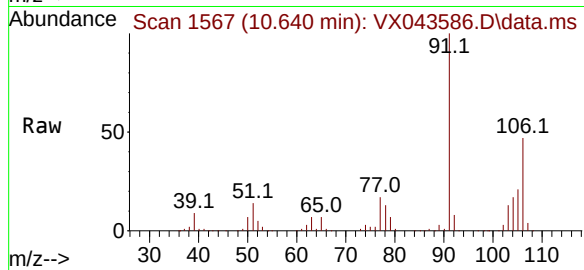
91 213.4 107.9 323.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#70

Styrene

Concen: 20.223 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

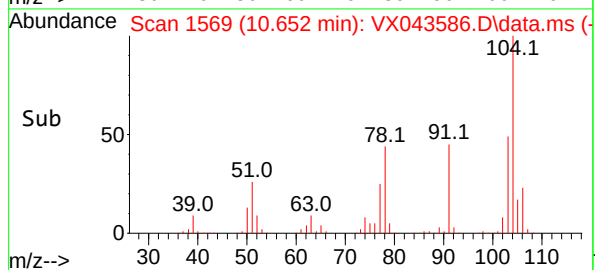
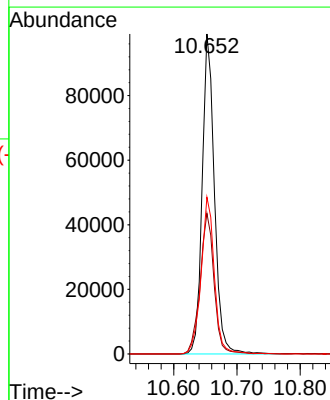
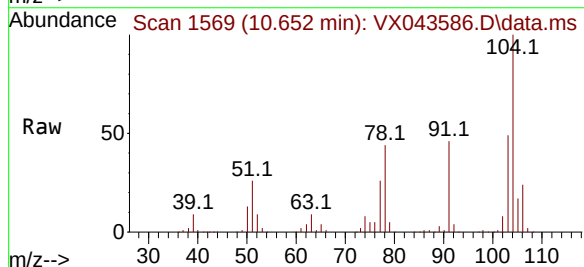
Tgt Ion:104 Resp: 133590

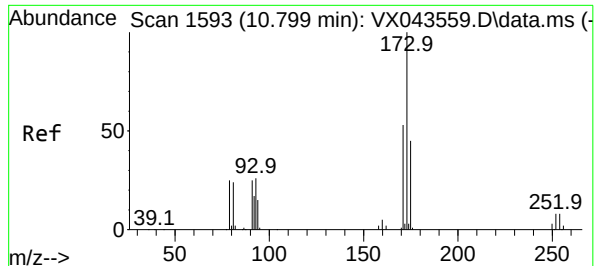
Ion Ratio Lower Upper

104 100

78 49.8 40.0 60.0

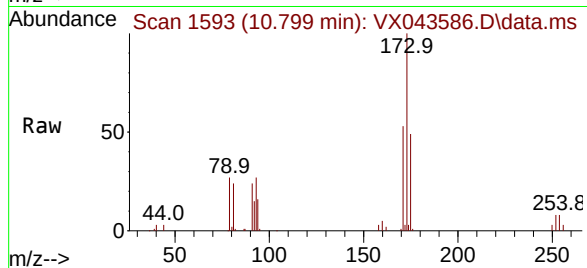
103 53.3 43.4 65.0





#71
Bromoform
Concen: 17.788 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

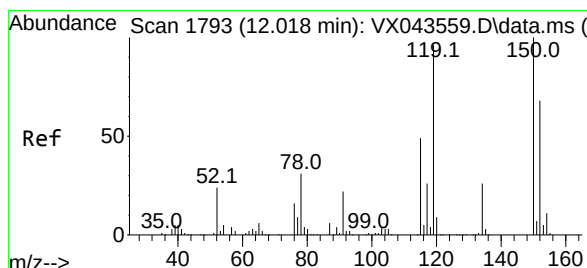
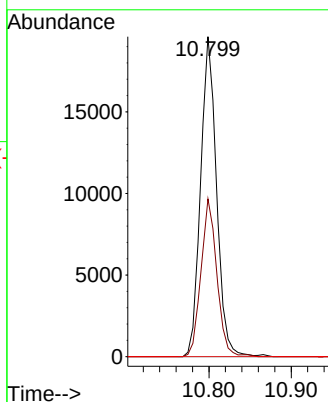
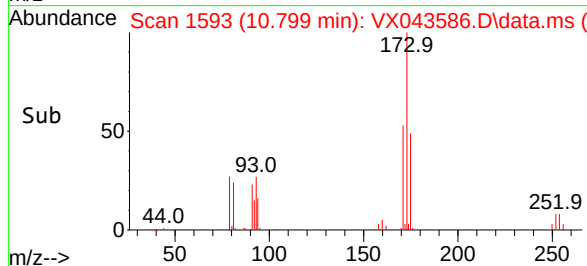
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01



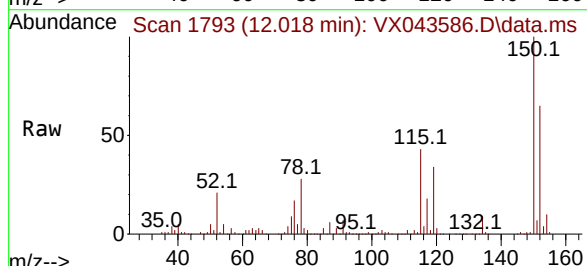
Tgt Ion:173 Resp: 2650
Ion Ratio Lower Upper
173 100
175 49.1 23.3 69.9
254 0.0 0.0 0.0

Manual Integrations
APPROVED

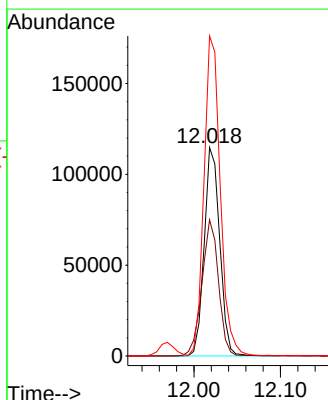
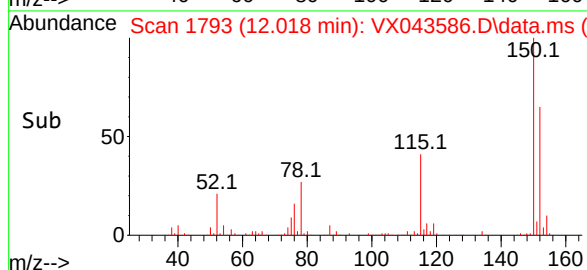
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

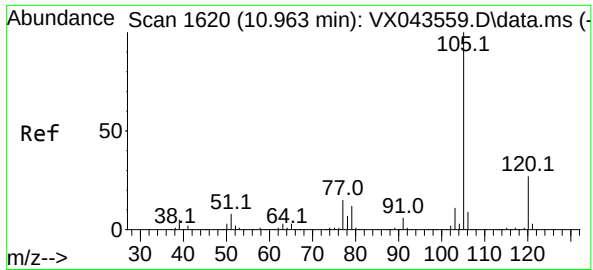


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57



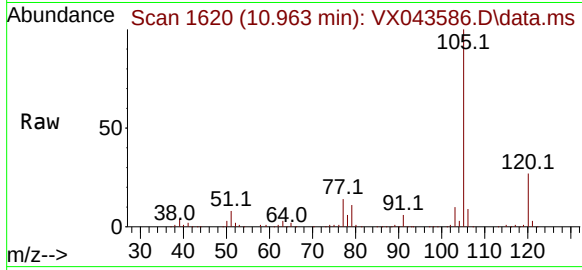
Tgt Ion:152 Resp: 142936
Ion Ratio Lower Upper
152 100
115 69.7 42.9 128.7
150 160.8 0.0 343.6





#73
Isopropylbenzene
Concen: 20.539 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

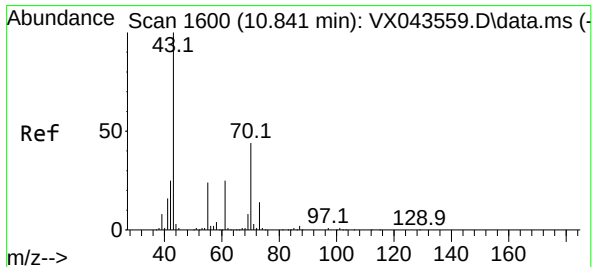
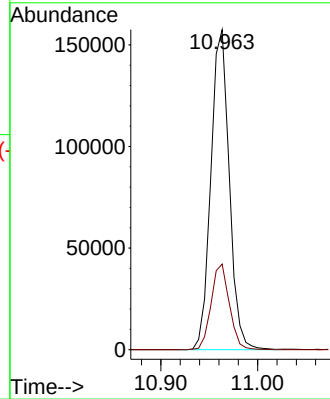
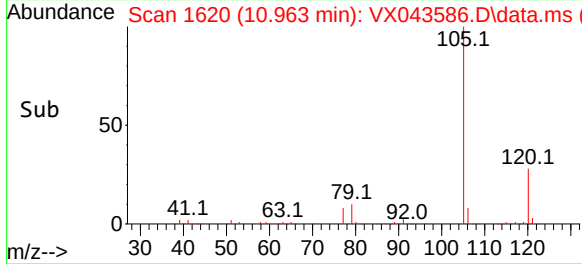
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01



Tgt Ion:105 Resp: 207962
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6

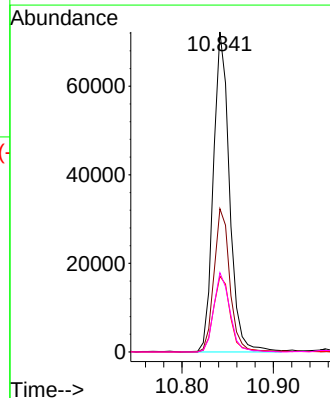
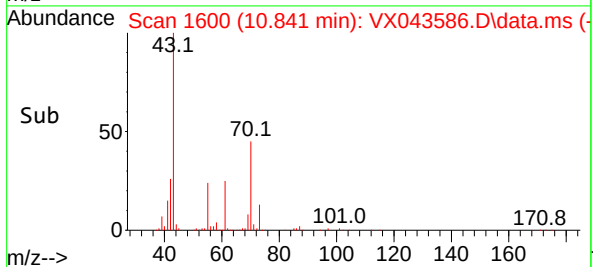
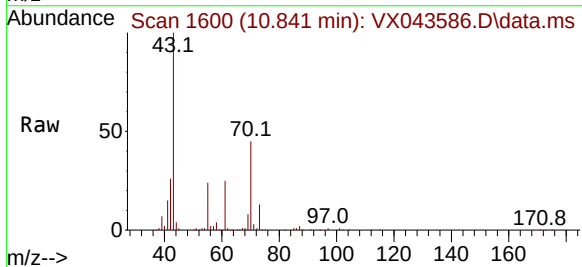
Manual Integrations
APPROVED

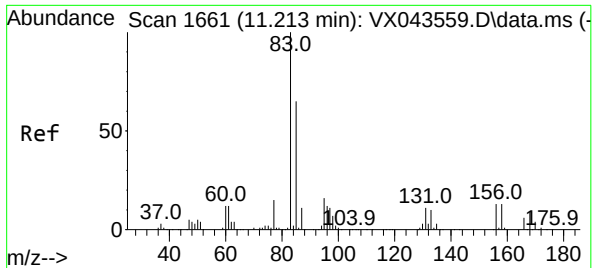
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#74
N-ethyl acetate
Concen: 18.058 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

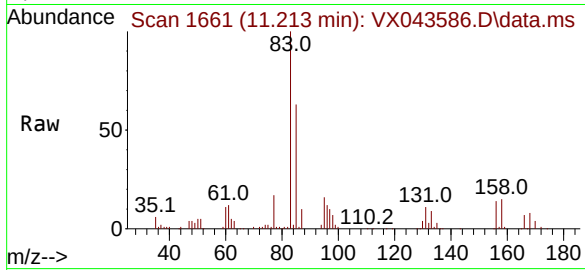
Tgt Ion: 43 Resp: 89068
Ion Ratio Lower Upper
43 100
70 44.0 34.6 52.0
55 24.4 19.6 29.4
61 24.6 20.2 30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 18.518 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

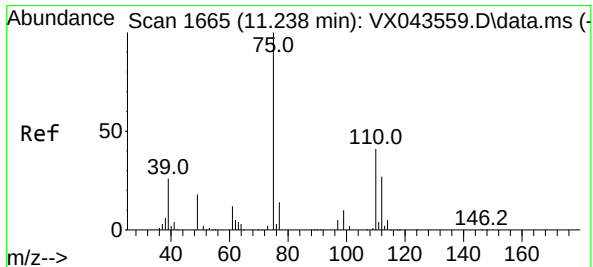
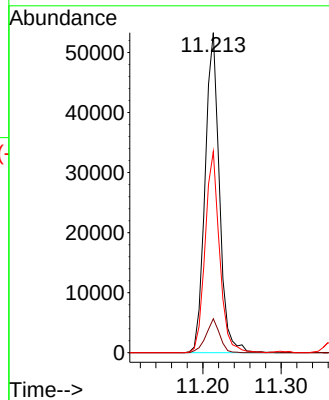
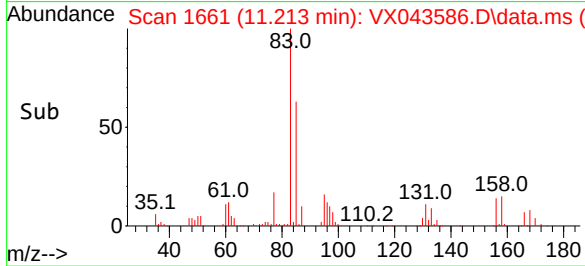
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01



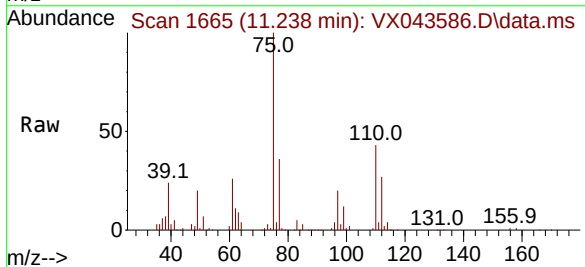
Tgt Ion: 83 Resp: 6742
Ion Ratio Lower Upper
83 100
131 10.1 5.3 15.9
85 63.4 32.4 97.0

Manual Integrations
APPROVED

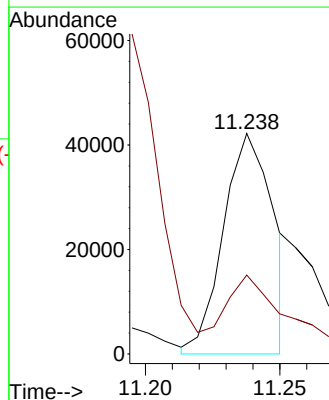
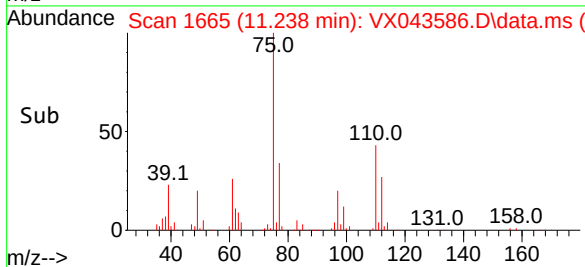
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

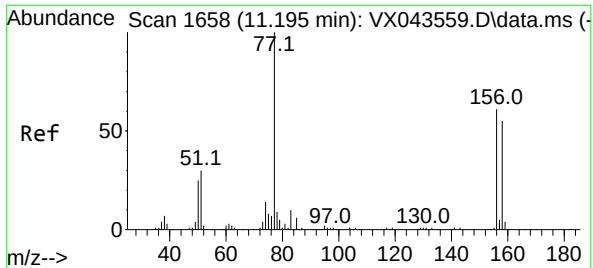


#76
1,2,3-Trichloropropane
Concen: 17.788 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57



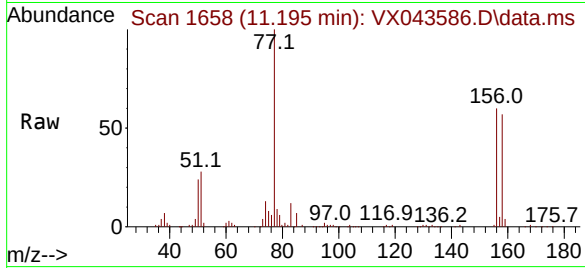
Tgt Ion: 75 Resp: 54362
Ion Ratio Lower Upper
75 100
77 45.1 22.4 67.2





#77
Bromobenzene
Concen: 19.170 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

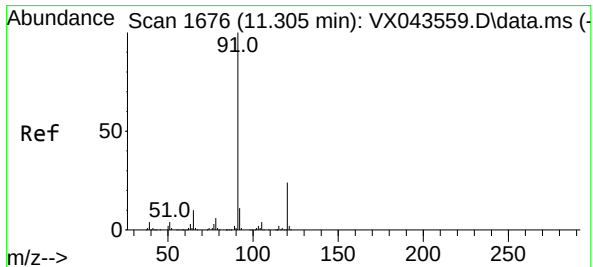
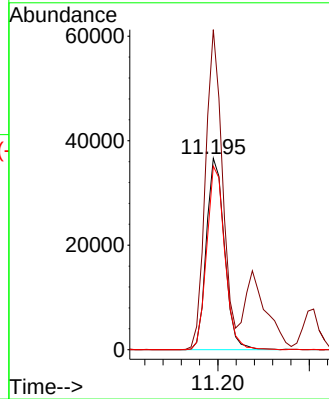
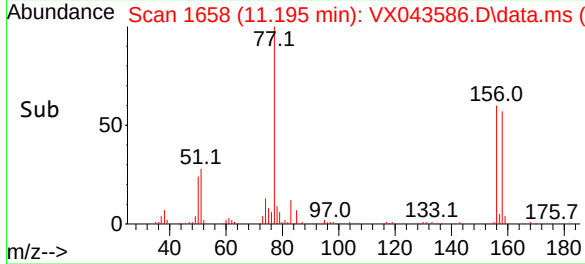
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01



Tgt Ion:156 Resp: 50119
Ion Ratio Lower Upper
156 100
77 157.9 79.7 239.1
158 96.1 48.0 144.0

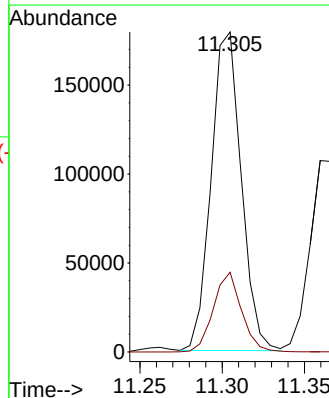
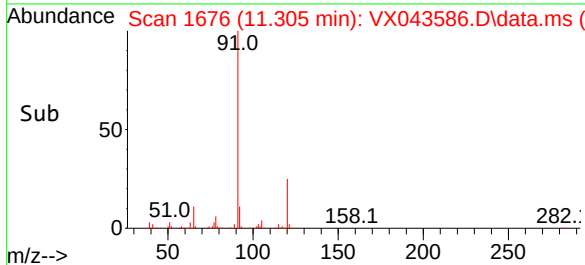
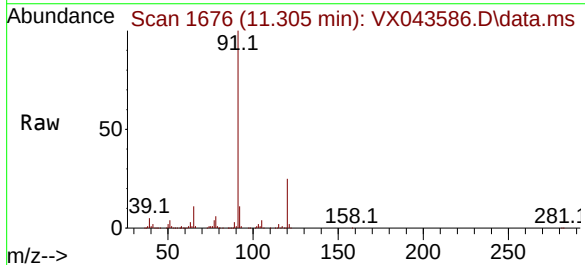
Manual Integrations
APPROVED

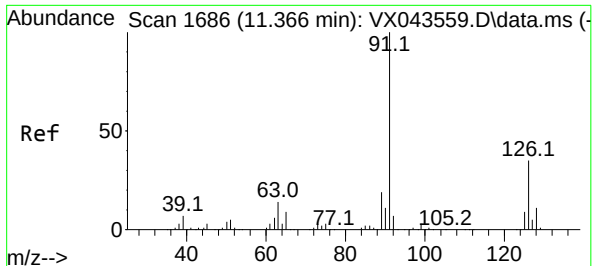
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#78
n-propylbenzene
Concen: 20.630 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 91 Resp: 227750
Ion Ratio Lower Upper
91 100
120 23.5 11.6 34.7





#79

2-Chlorotoluene

Concen: 19.657 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion: 91 Resp: 143898

Ion Ratio Lower Upper

91 100

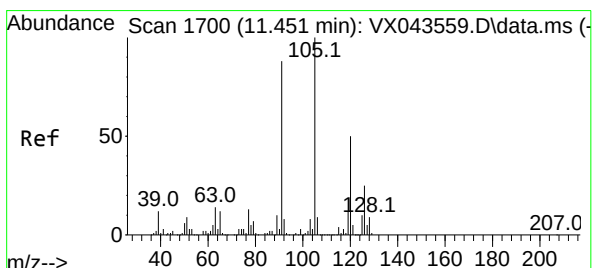
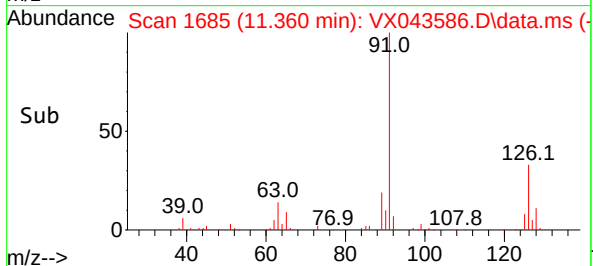
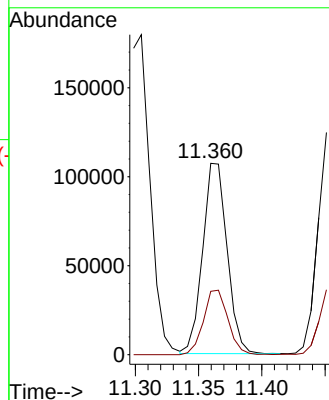
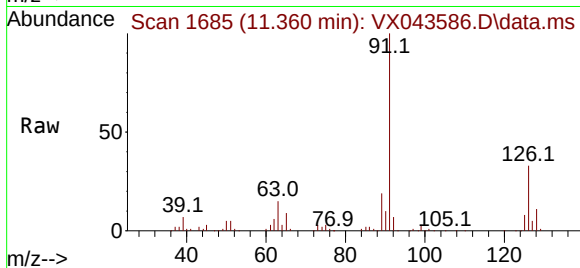
126 34.0 16.7 50.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#80

1,3,5-Trimethylbenzene

Concen: 20.260 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043586.D

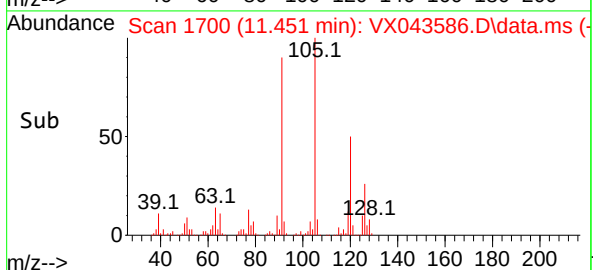
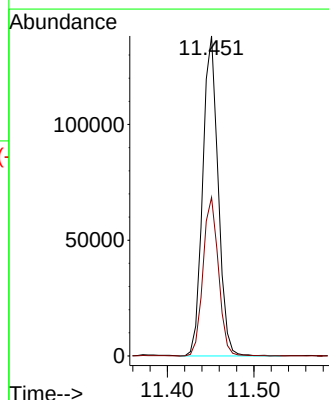
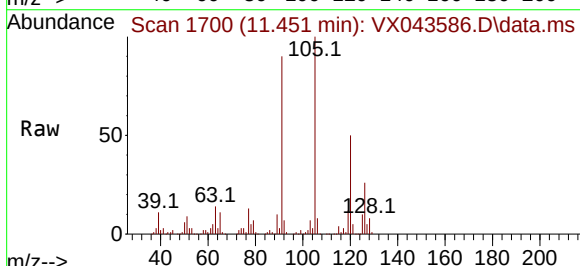
Acq: 29 Oct 2024 10:57

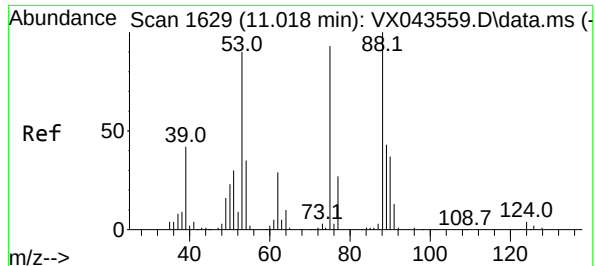
Tgt Ion:105 Resp: 171034

Ion Ratio Lower Upper

105 100

120 49.4 23.8 71.5





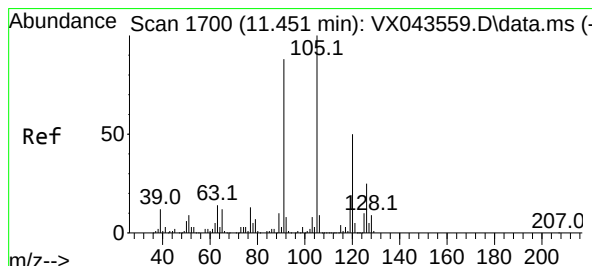
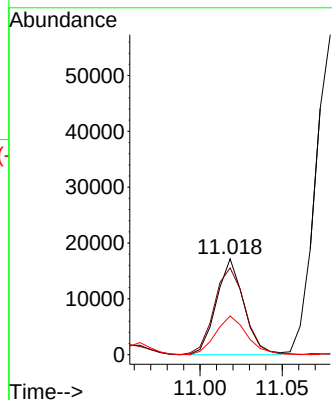
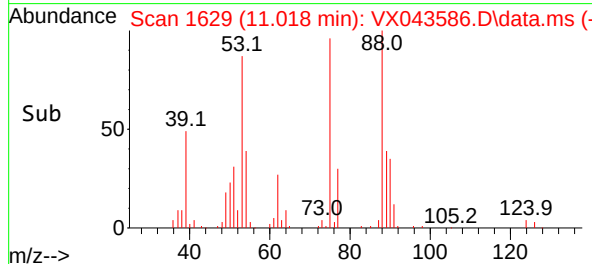
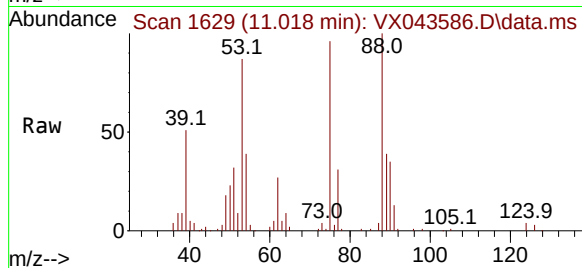
#81
trans-1,4-Dichloro-2-butene
Concen: 17.942 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 75 Resp: 19932
Ion Ratio Lower Upper
75 100
53 101.5 84.6 126.8
89 45.9 38.6 58.0

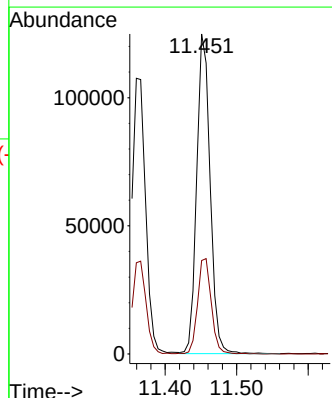
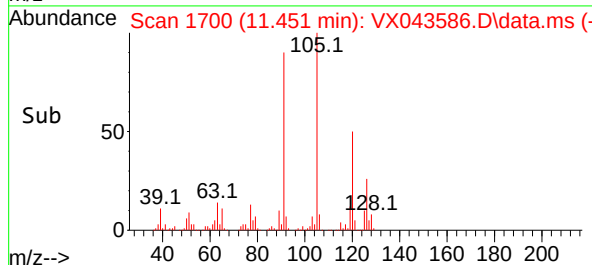
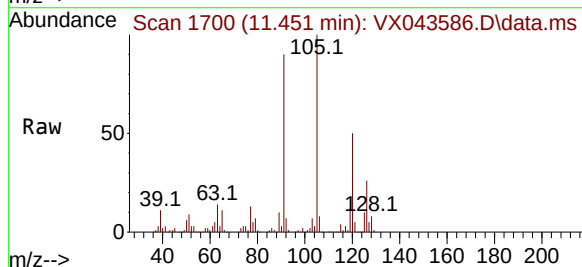
Manual Integrations
APPROVED

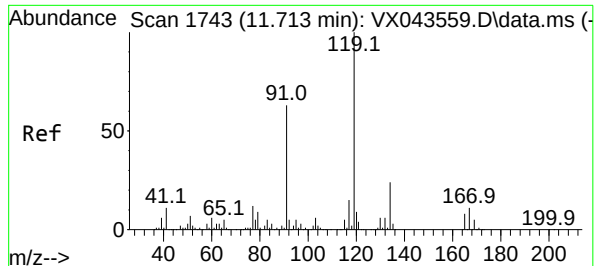
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#82
4-Chlorotoluene
Concen: 19.767 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 91 Resp: 162418
Ion Ratio Lower Upper
91 100
126 30.5 14.2 42.8





#83

tert-Butylbenzene

Concen: 20.537 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tgt Ion:119 Resp: 176320

Ion Ratio Lower Upper

119 100

91 59.0 29.5 88.5

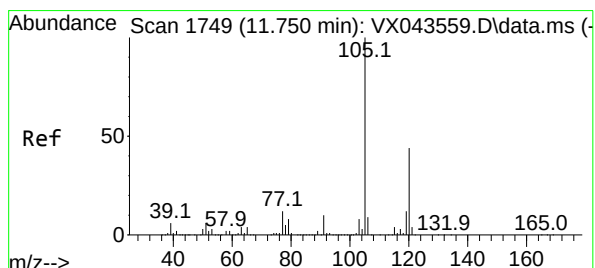
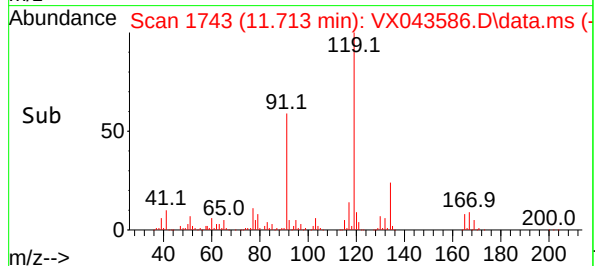
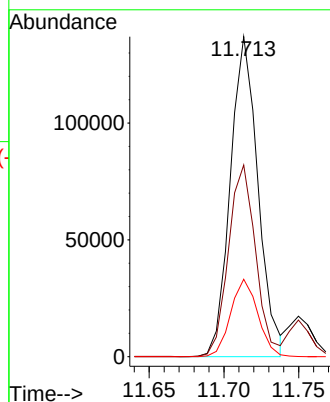
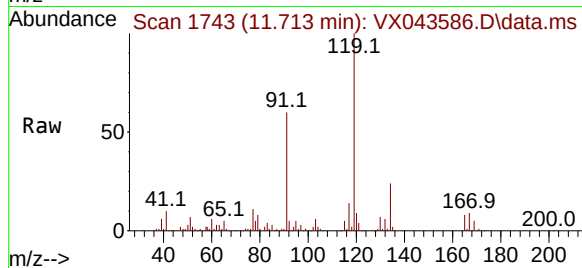
134 23.8 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#84

1,2,4-Trimethylbenzene

Concen: 20.508 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043586.D

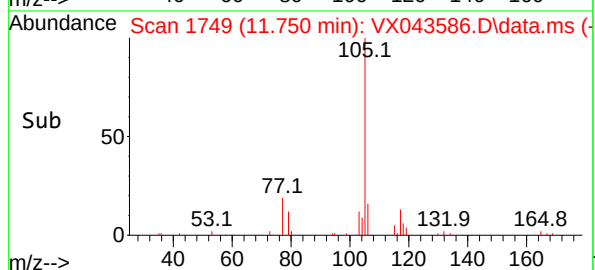
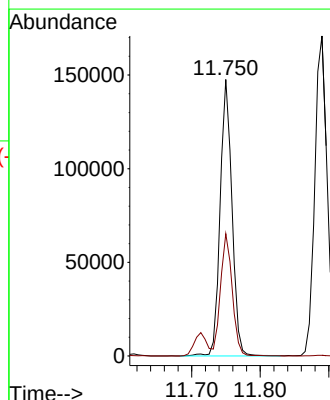
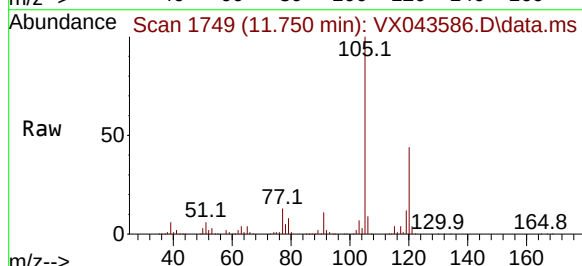
Acq: 29 Oct 2024 10:57

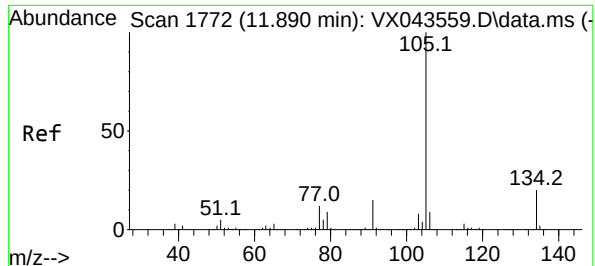
Tgt Ion:105 Resp: 176438

Ion Ratio Lower Upper

105 100

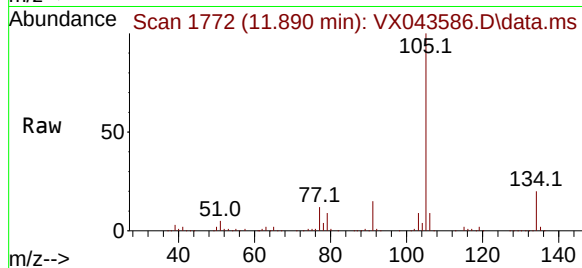
120 43.5 22.1 66.1





#85
 sec-Butylbenzene
 Concen: 21.308 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX043586.D
 Acq: 29 Oct 2024 10:57

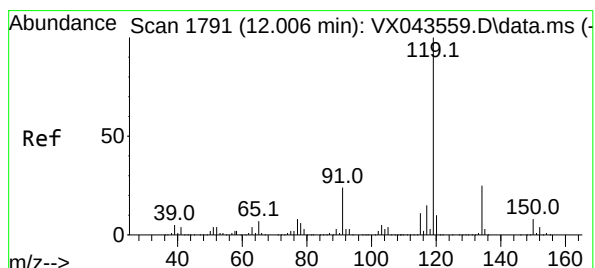
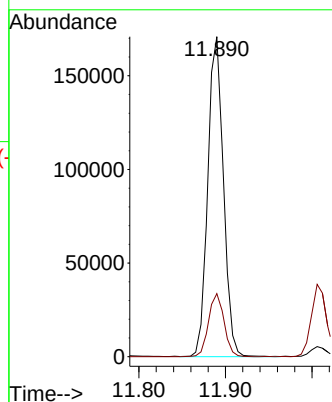
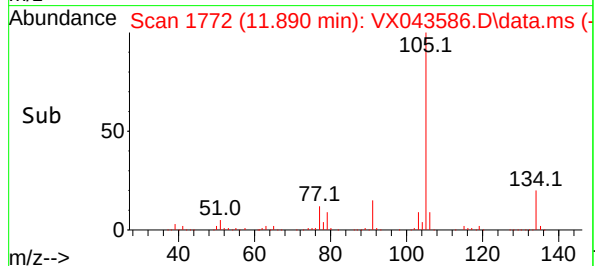
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01



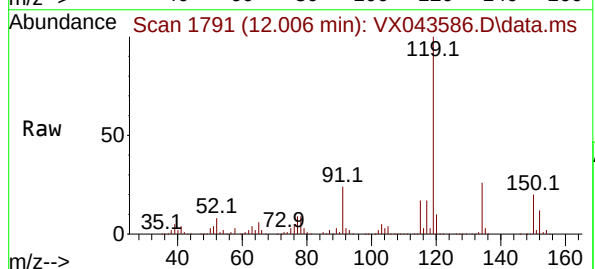
Tgt Ion:105 Resp: 214438
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5

Manual Integrations
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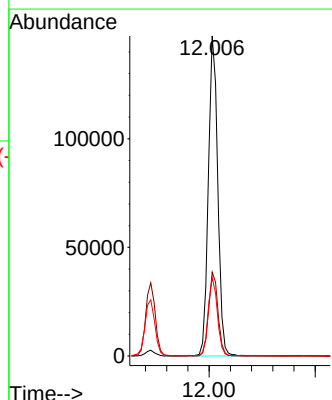
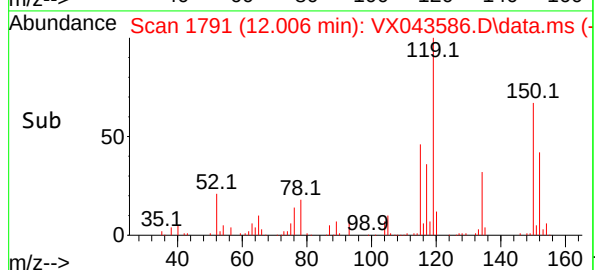
Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

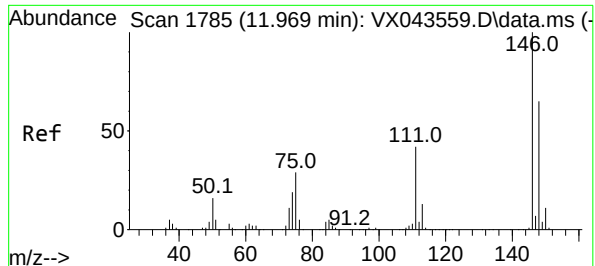


#86
 p-Isopropyltoluene
 Concen: 21.080 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX043586.D
 Acq: 29 Oct 2024 10:57



Tgt Ion:119 Resp: 180325
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 24.2 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 19.691 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

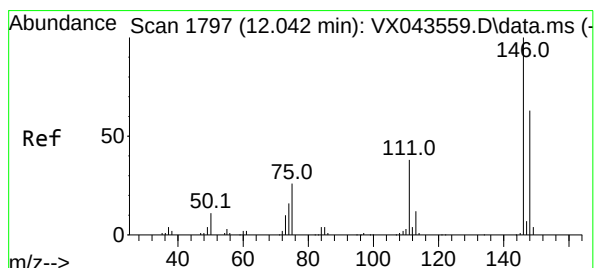
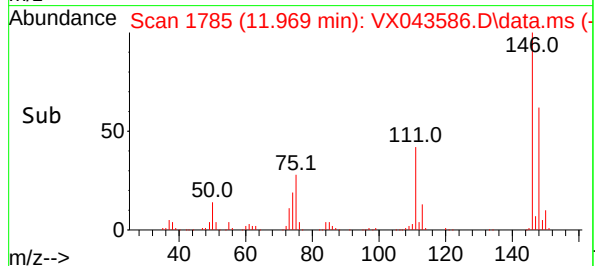
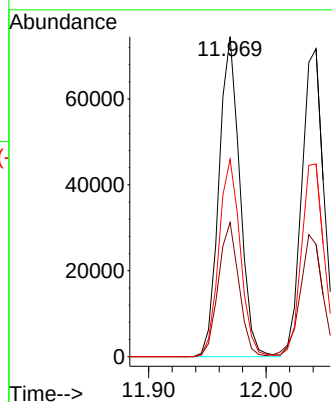
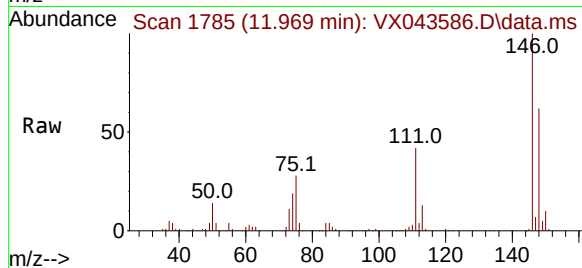
VX1029WBS01

Tgt Ion:146	Resp:	92275
Ion	Ratio	Lower Upper
146	100	
111	41.3	21.1 63.4
148	63.1	31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#88

1,4-Dichlorobenzene

Concen: 19.343 ug/l

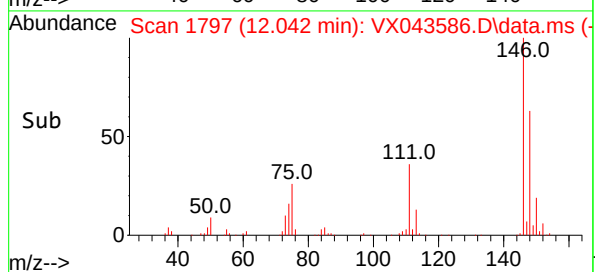
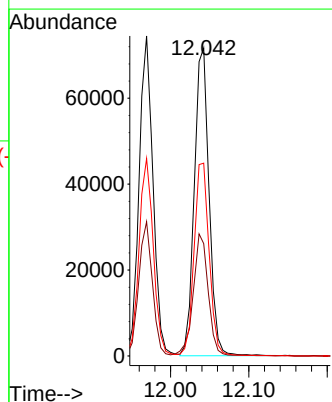
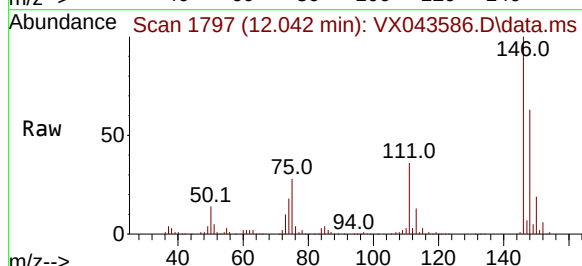
RT: 12.042 min Scan# 1797

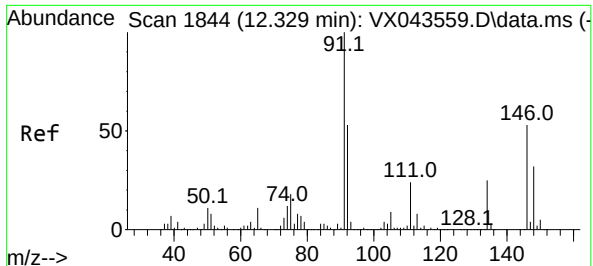
Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Tgt Ion:146	Resp:	93923
Ion	Ratio	Lower Upper
146	100	
111	40.1	20.4 61.3
148	64.4	31.9 95.9





#89

n-Butylbenzene

Concen: 21.249 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043586.D

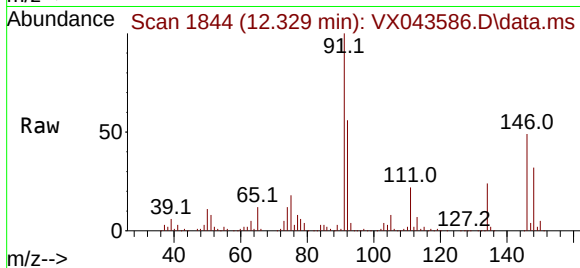
Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01



Tgt Ion: 91 Resp: 14811

Ion Ratio Lower Upper

91 100

92 55.1 27.1 81.2

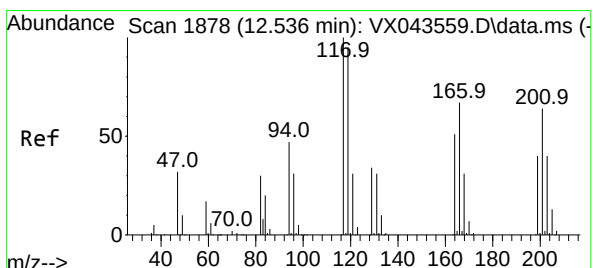
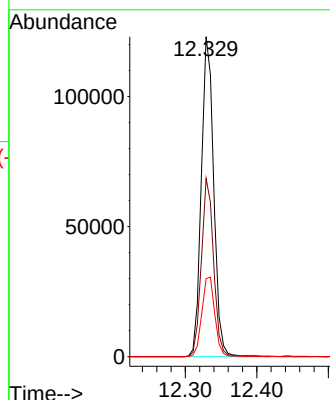
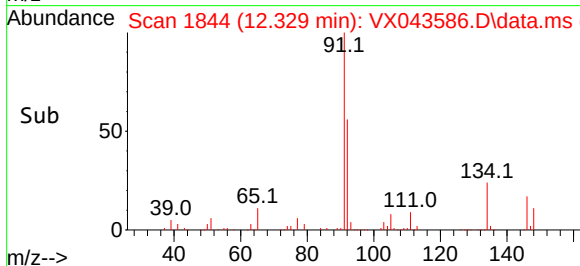
134 26.1 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#90

Hexachloroethane

Concen: 20.210 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043586.D

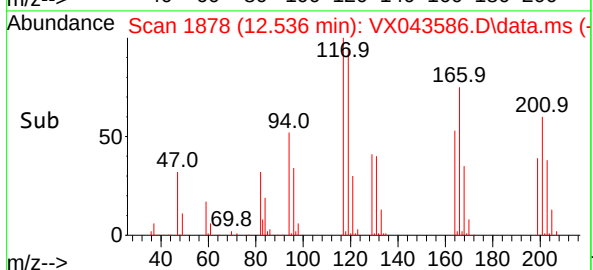
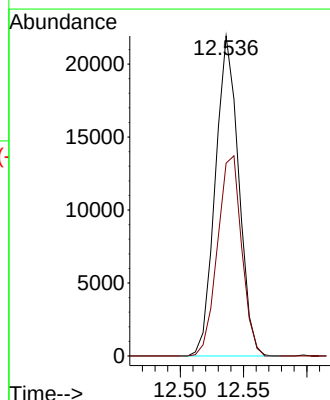
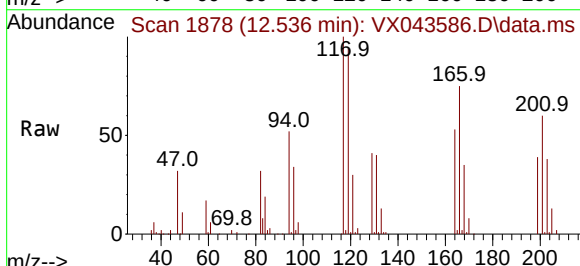
Acq: 29 Oct 2024 10:57

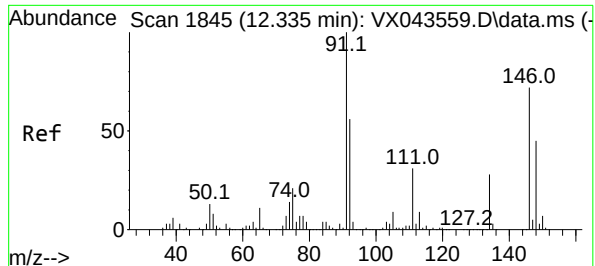
Tgt Ion:117 Resp: 28082

Ion Ratio Lower Upper

117 100

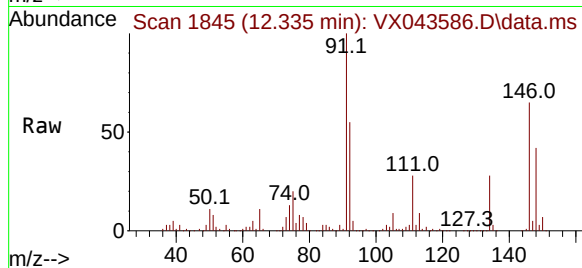
201 65.0 32.9 98.7





#91
1,2-Dichlorobenzene
Concen: 19.265 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

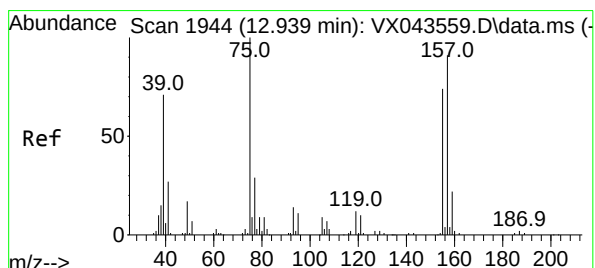
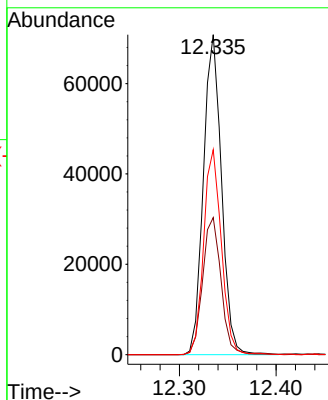
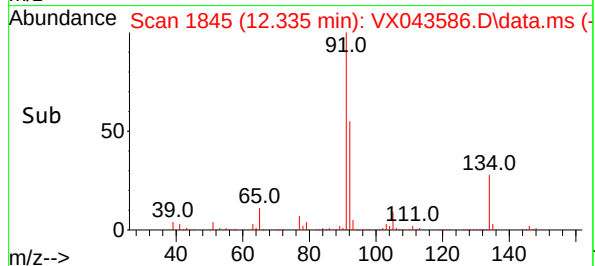
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01



Tgt Ion:146 Resp: 92312
Ion Ratio Lower Upper
146 100
111 43.5 21.6 64.6
148 62.9 31.6 95.0

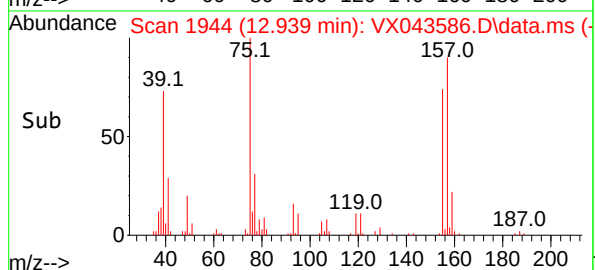
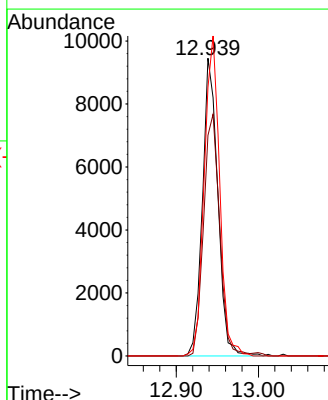
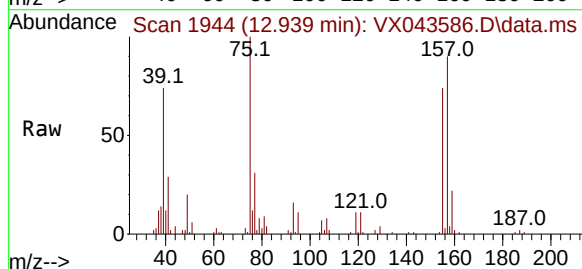
Manual Integrations
APPROVED

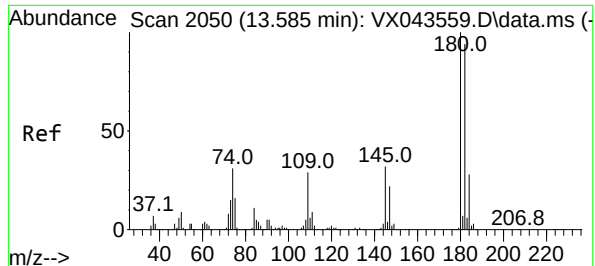
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.540 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 75 Resp: 12277
Ion Ratio Lower Upper
75 100
155 85.4 40.1 120.3
157 107.8 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 19.158 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

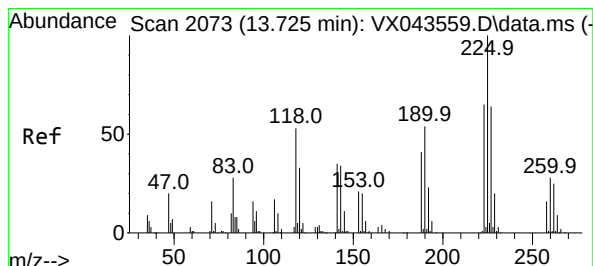
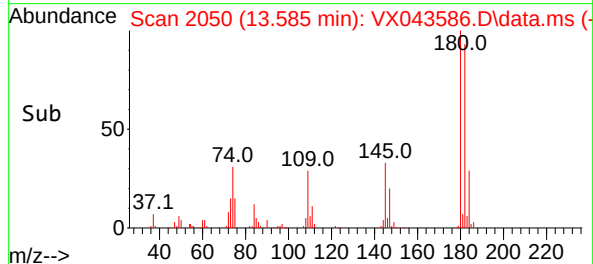
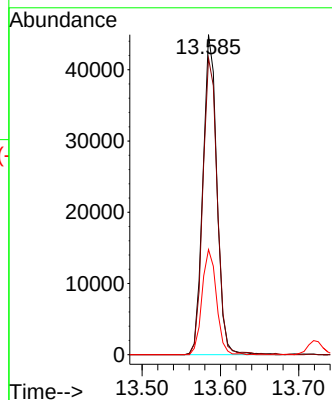
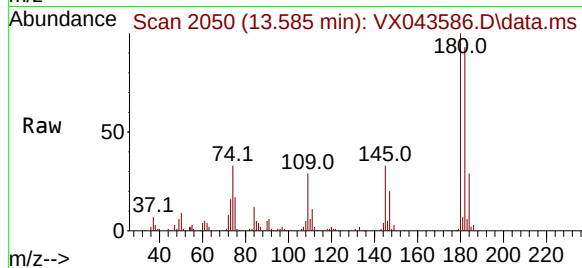
VX1029WBS01

Tgt Ion:180	Resp:	5572
Ion Ratio	Lower	Upper
180	100	
182	95.6	46.8 140.4
145	33.8	16.1 48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#94

Hexachlorobutadiene

Concen: 21.279 ug/l

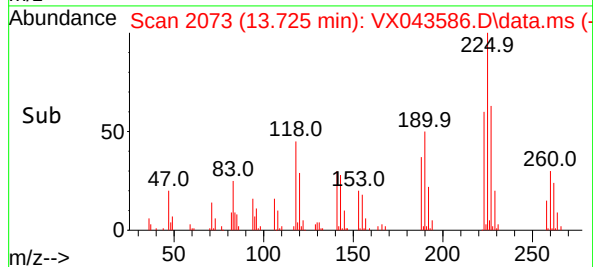
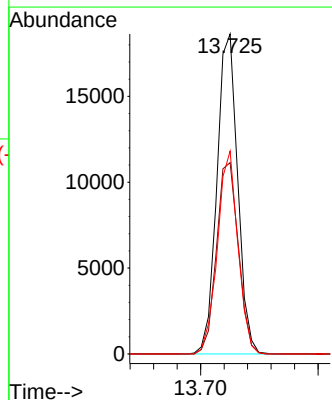
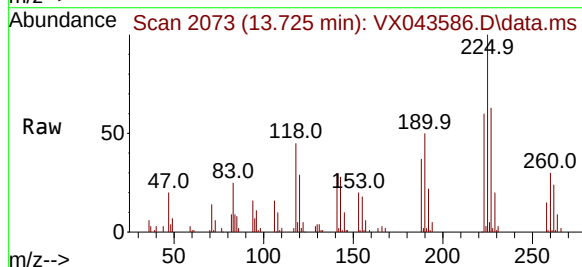
RT: 13.725 min Scan# 2073

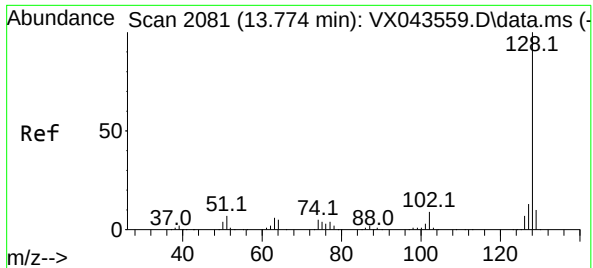
Delta R.T. 0.000 min

Lab File: VX043586.D

Acq: 29 Oct 2024 10:57

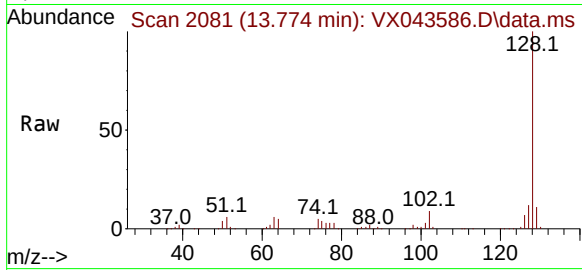
Tgt Ion:225	Resp:	22819
Ion Ratio	Lower	Upper
225	100	
223	63.2	30.8 92.4
227	62.5	31.6 94.8





#95
Naphthalene
Concen: 18.643 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

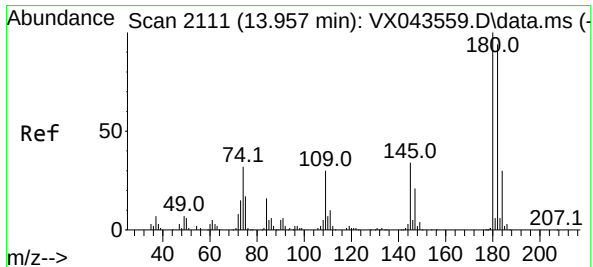
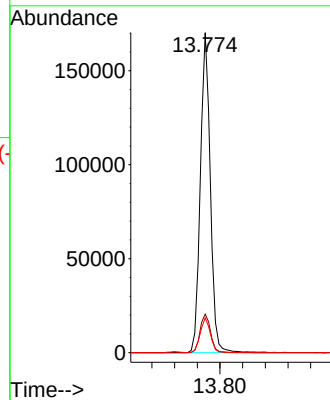
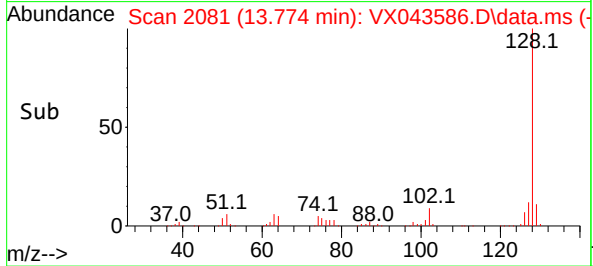
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01



Tgt Ion:128 Resp: 207490
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.1 8.7 13.1

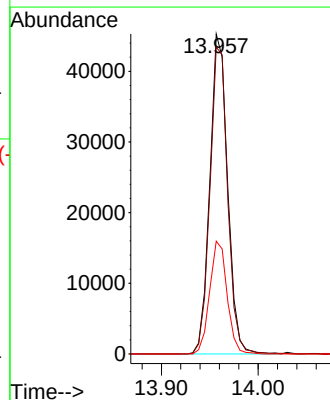
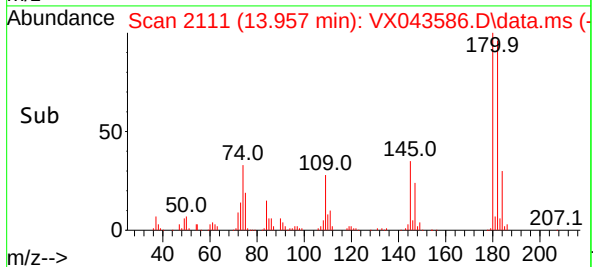
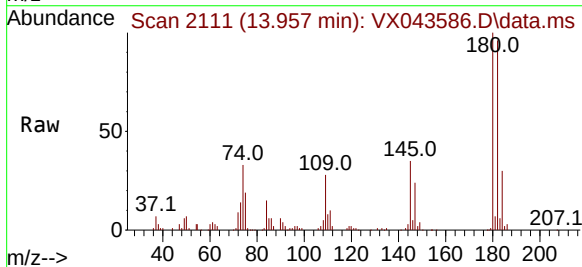
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 18.850 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:180 Resp: 57807
Ion Ratio Lower Upper
180 100
182 96.0 47.1 141.3
145 34.6 17.4 52.3



Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:		
Project:	CTO WE13			Date Received:		
Client Sample ID:	VX1030WBS01			SDG No.:	P4600	
Lab Sample ID:	VX1030WBS01			Matrix:	Water	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043613.D	1		10/30/24 10:56	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	17.0		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.0		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	19.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.0		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.0		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.26	0.75	1.00	ug/L
67-64-1	Acetone	99.0		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.0		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.0		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.0		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.0		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.0		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.0		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.0		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.0		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	VX1030WBS01			SDG No.:	P4600
Lab Sample ID:	VX1030WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043613.D	1		10/30/24 10:56	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	19.0		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.0		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.0		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.0		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	18.0		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.0		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.0		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	148000	5.544				
540-36-3	1,4-Difluorobenzene	265000	6.757				
3114-55-4	Chlorobenzene-d5	239000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0	J			99.0	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	VX1030WBS01			SDG No.:	P4600
Lab Sample ID:	VX1030WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043613.D	1		10/30/24 10:56	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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_X\Data\VX103024\
 Data File : VX043613.D
 Acq On : 30 Oct 2024 10:56
 Operator : JC/MD
 Sample : VX1030WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 09:41:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	148306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264784	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	117960	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	108212	45.760	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.520%
35) Dibromofluoromethane	5.379	113	87025	48.469	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.940%
50) Toluene-d8	8.647	98	314569	50.612	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.220%
62) 4-Bromofluorobenzene	11.079	95	119367	51.829	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.660%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	27753	17.498	ug/l	98
3) Chloromethane	1.295	50	34439	16.986	ug/l	100
4) Vinyl Chloride	1.374	62	33498	17.803	ug/l	96
5) Bromomethane	1.593	94	14288	18.626	ug/l	93
6) Chloroethane	1.660	64	11760	17.740	ug/l	92
7) Trichlorofluoromethane	1.861	101	40651	17.685	ug/l	99
8) Diethyl Ether	2.130	74	19398	18.264	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	29454	18.947	ug/l	96
10) Methyl Iodide	2.441	142	41395	18.431	ug/l	97
11) Tert butyl alcohol	3.008	59	41254m	93.465	ug/l	
12) 1,1-Dichloroethene	2.307	96	28154	17.722	ug/l	94
13) Acrolein	2.233	56	26661	77.239	ug/l	97
14) Allyl chloride	2.654	41	46642	16.975	ug/l	97
15) Acrylonitrile	3.069	53	98528	98.870	ug/l	99
16) Acetone	2.386	43	93396	99.457	ug/l	100
17) Carbon Disulfide	2.496	76	48946	14.734	ug/l	99
18) Methyl Acetate	2.703	43	50644	18.453	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	113805	18.837	ug/l	98
20) Methylene Chloride	2.782	84	36896	18.230	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	30527	18.189	ug/l	95
22) Diisopropyl ether	3.764	45	107460	18.921	ug/l	96
23) Vinyl Acetate	3.721	43	443752	94.573	ug/l	99
24) 1,1-Dichloroethane	3.599	63	58738	17.994	ug/l	98
25) 2-Butanone	4.568	43	137643	100.482	ug/l	99
26) 2,2-Dichloropropane	4.465	77	47680	17.844	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	40483	18.882	ug/l	98
28) Bromochloromethane	4.891	49	28671	18.463	ug/l	95
29) Tetrahydrofuran	5.013	42	85231	95.744	ug/l	97
30) Chloroform	5.080	83	64399	18.820	ug/l	94
31) Cyclohexane	5.458	56	45048	18.042	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	50740	17.662	ug/l	98
36) 1,1-Dichloropropene	5.684	75	38518	18.092	ug/l	97
37) Ethyl Acetate	4.715	43	51646	19.981	ug/l	98
38) Carbon Tetrachloride	5.666	117	41334	17.571	ug/l	99
39) Methylcyclohexane	7.373	83	50783	19.212	ug/l	100
40) Benzene	6.031	78	135317	19.052	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043613.D
 Acq On : 30 Oct 2024 10:56
 Operator : JC/MD
 Sample : VX1030WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 09:41:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	27603	20.345	ug/l	95
42) 1,2-Dichloroethane	6.080	62	48172	18.866	ug/l	97
43) Isopropyl Acetate	6.336	43	80680	18.875	ug/l	97
44) Trichloroethene	7.123	130	32171	18.233	ug/l	93
45) 1,2-Dichloropropane	7.428	63	33302	19.042	ug/l	100
46) Dibromomethane	7.580	93	25774	19.140	ug/l	95
47) Bromodichloromethane	7.818	83	43771	18.529	ug/l	98
48) Methyl methacrylate	7.696	41	39830	19.653	ug/l	96
49) 1,4-Dioxane	7.671	88	14140	339.602	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	269977	103.625	ug/l	99
52) Toluene	8.714	92	84865	19.702	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	46488	18.322	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	52745	19.511	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	36754	20.499	ug/l	99
56) Ethyl methacrylate	9.116	69	59004	20.253	ug/l	94
57) 1,3-Dichloropropane	9.305	76	61622	20.664	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	140409	99.511	ug/l	97
59) 2-Hexanone	9.433	43	205521	103.864	ug/l	98
60) Dibromochloromethane	9.519	129	34532	19.450	ug/l	100
61) 1,2-Dibromoethane	9.610	107	38155	20.500	ug/l	97
64) Tetrachloroethene	9.269	164	28659	19.064	ug/l	95
65) Chlorobenzene	10.080	112	100050	19.456	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	32872	19.571	ug/l	98
67) Ethyl Benzene	10.189	91	159115	18.976	ug/l	98
68) m/p-Xylenes	10.299	106	126258	39.374	ug/l	94
69) o-Xylene	10.640	106	64722	20.088	ug/l	95
70) Styrene	10.653	104	108183	20.202	ug/l	99
71) Bromoform	10.799	173	22030	18.241	ug/l #	97
73) Isopropylbenzene	10.964	105	156713	18.755	ug/l	100
74) N-amyl acetate	10.842	43	73630	18.089	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	58265	19.391	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	47409m	18.797	ug/l	
77) Bromobenzene	11.195	156	42214	19.565	ug/l	96
78) n-propylbenzene	11.305	91	172894	18.977	ug/l	98
79) 2-Chlorotoluene	11.366	91	112270	18.584	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	134164	19.257	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	15721	17.148	ug/l	96
82) 4-Chlorotoluene	11.451	91	128383	18.933	ug/l	96
83) tert-Butylbenzene	11.713	119	134426	18.972	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	136562	19.234	ug/l	97
85) sec-Butylbenzene	11.890	105	160544	19.331	ug/l	99
86) p-Isopropyltoluene	12.006	119	136876	19.389	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	73659	19.047	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	76016	18.970	ug/l	100
89) n-Butylbenzene	12.329	91	109400	19.018	ug/l	99
90) Hexachloroethane	12.536	117	20716	18.065	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	79439	20.088	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10780	17.599	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	47511	19.794	ug/l	99
94) Hexachlorobutadiene	13.725	225	16964	19.168	ug/l	98
95) Naphthalene	13.774	128	179816	19.576	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	48793	19.280	ug/l	100

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Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

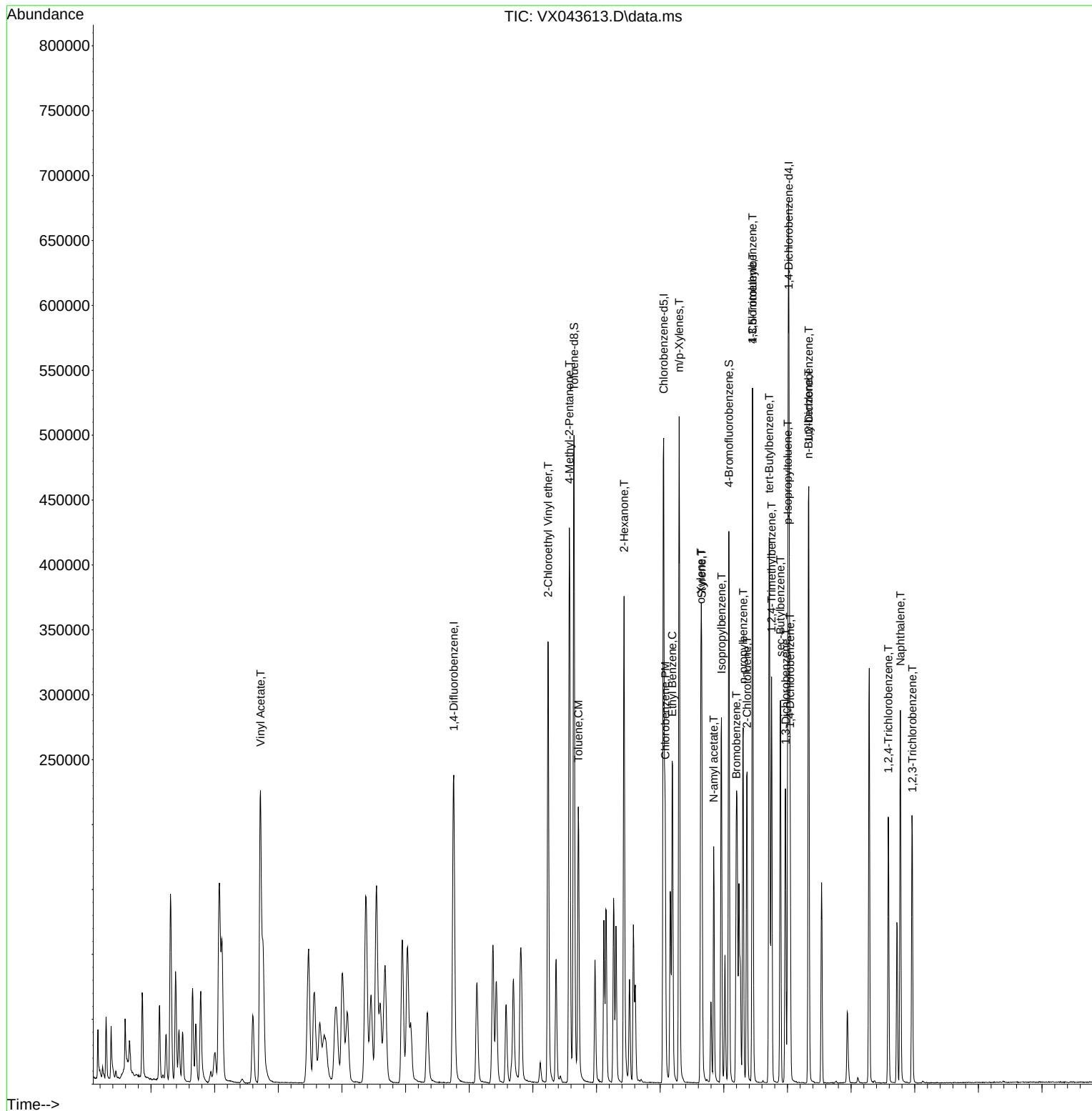
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Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

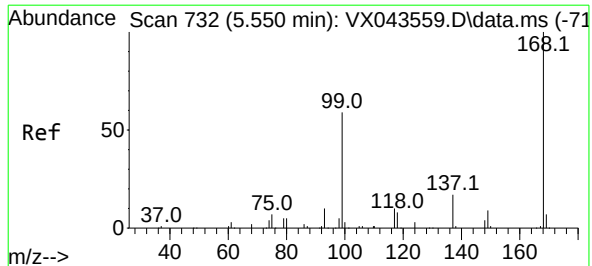
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

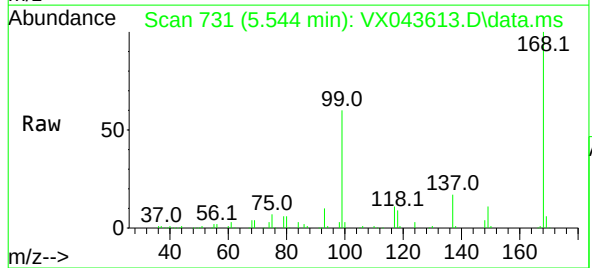
Quant Time: Oct 31 09:41:19 2024
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Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

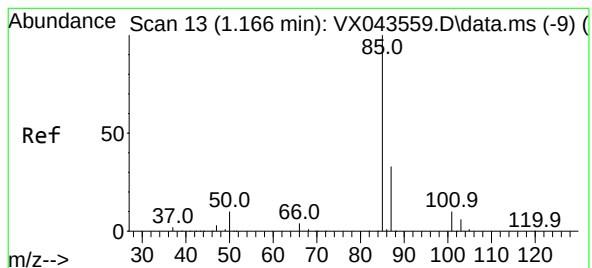
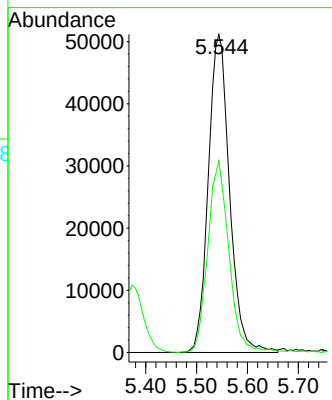
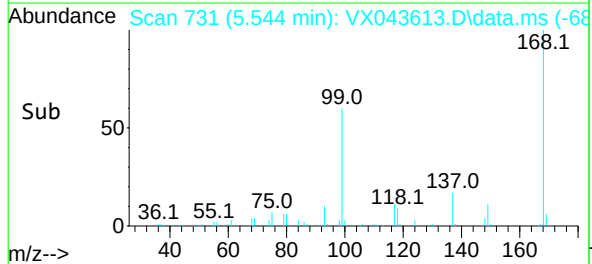
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01



Tgt Ion: 168 Resp: 148306
Ion Ratio Lower Upper
168 100
99 60.2 52.6 78.8

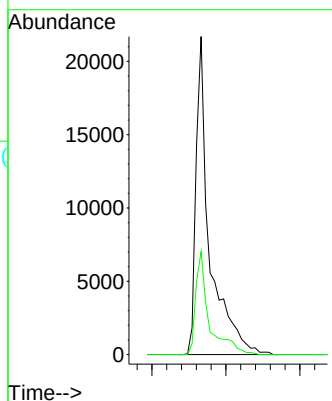
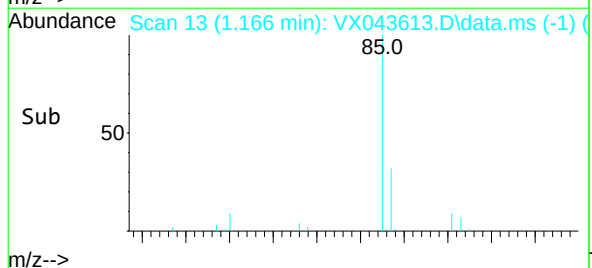
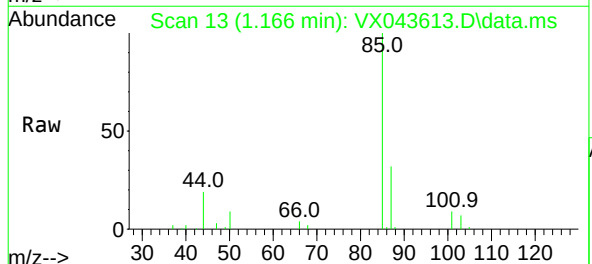
Manual Integrations
APPROVED

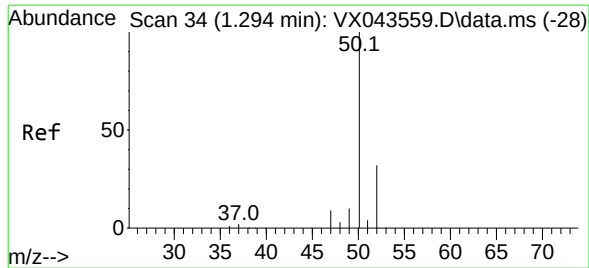
Reviewed By : Semsettin Yesilyurt 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#2
Dichlorodifluoromethane
Concen: 17.498 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 85 Resp: 27753
Ion Ratio Lower Upper
85 100
87 32.4 15.7 47.0





#3

Chloromethane

Concen: 16.986 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 50 Resp: 34439

Ion Ratio Lower Upper

50 100

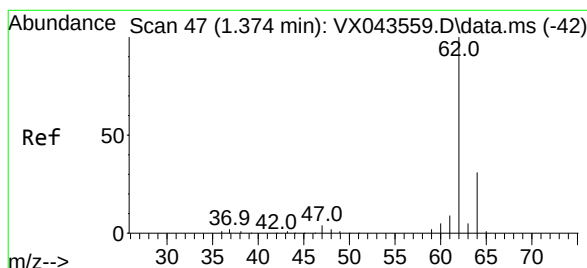
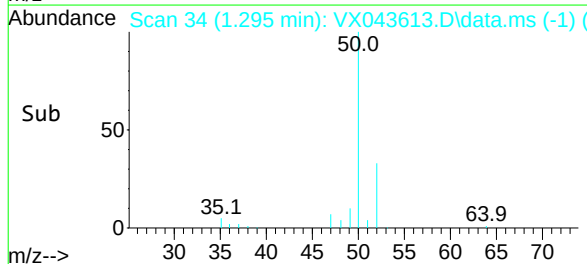
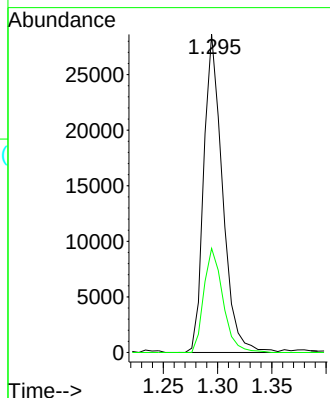
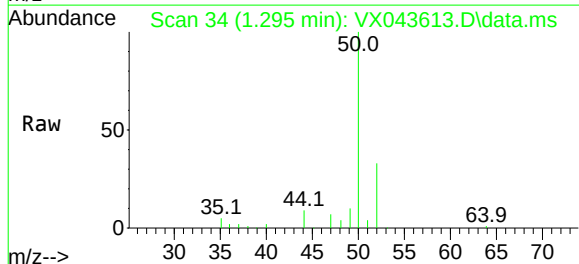
52 32.7 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#4

Vinyl Chloride

Concen: 17.803 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX043613.D

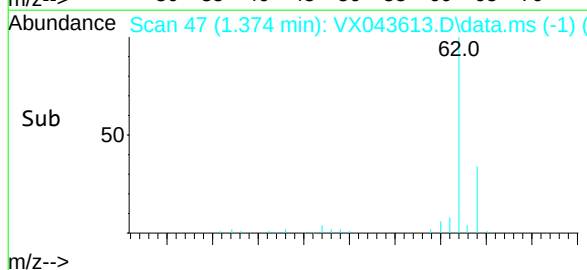
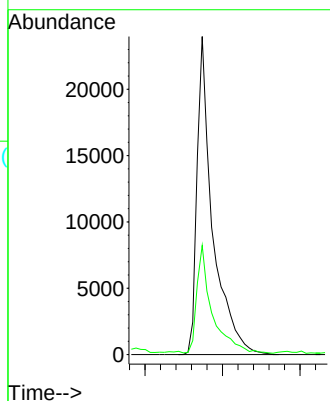
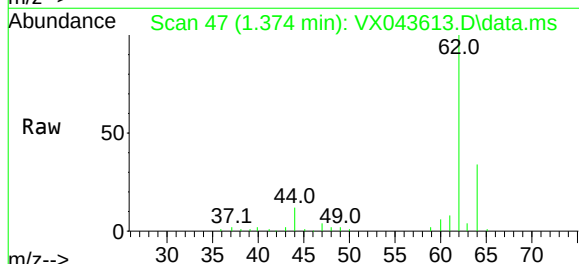
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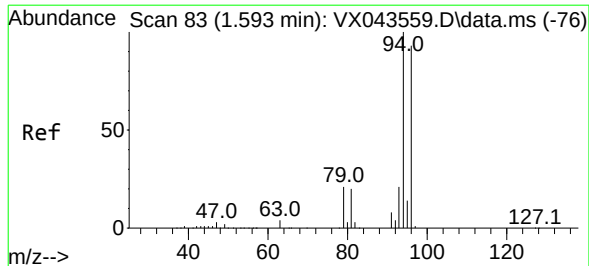
Tgt Ion: 62 Resp: 33498

Ion Ratio Lower Upper

62 100

64 33.6 25.0 37.4





#5

Bromomethane

Concen: 18.626 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 94 Resp: 14288

Ion Ratio Lower Upper

94 100

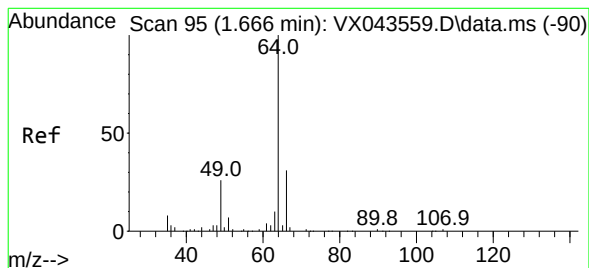
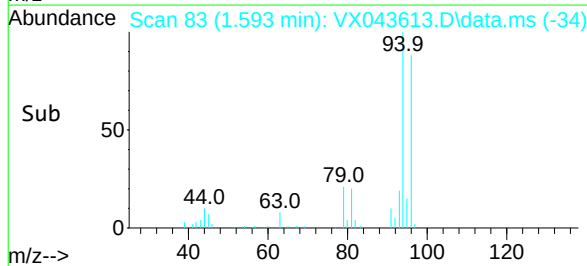
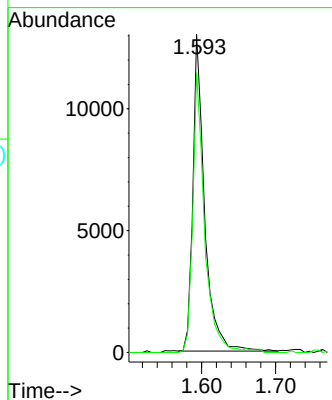
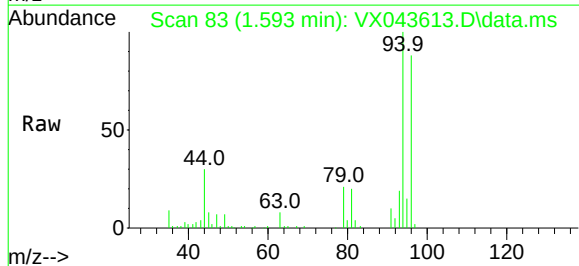
96 88.3 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#6

Chloroethane

Concen: 17.740 ug/l

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX043613.D

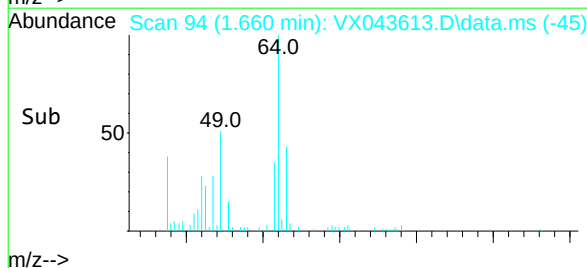
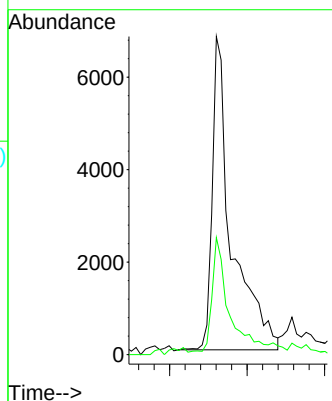
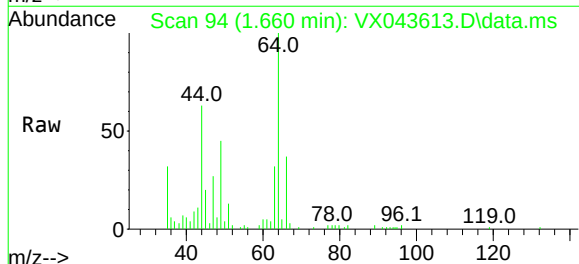
Acq: 30 Oct 2024 10:56

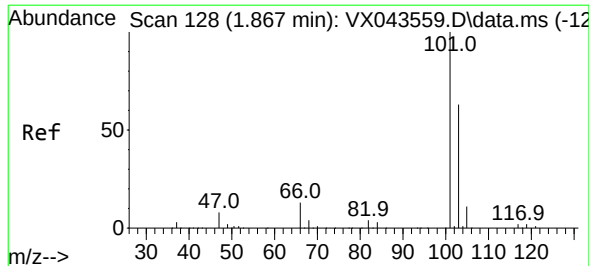
Tgt Ion: 64 Resp: 11760

Ion Ratio Lower Upper

64 100

66 36.0 25.1 37.7





#7

Trichlorofluoromethane

Concen: 17.685 ug/l

RT: 1.861 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX043613.D

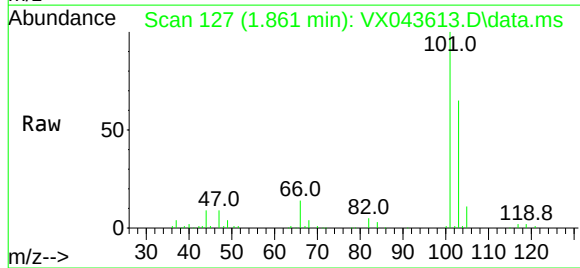
Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01



Tgt Ion:101 Resp: 40651

Ion Ratio Lower Upper

101 100

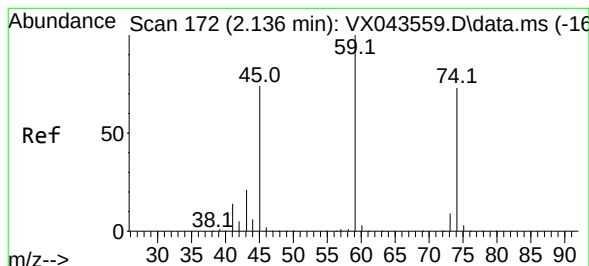
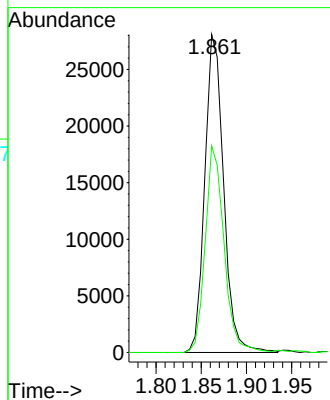
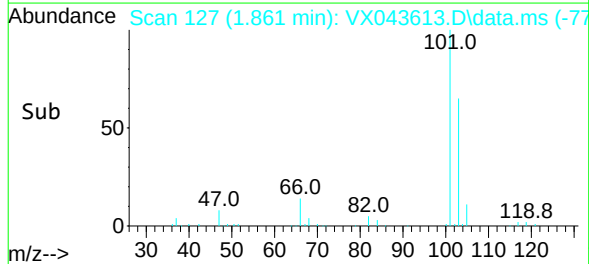
103 65.0 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#8

Diethyl Ether

Concen: 18.264 ug/l

RT: 2.130 min Scan# 171

Delta R.T. -0.006 min

Lab File: VX043613.D

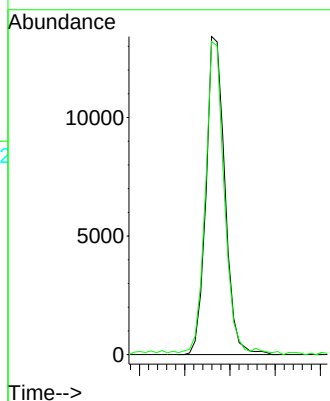
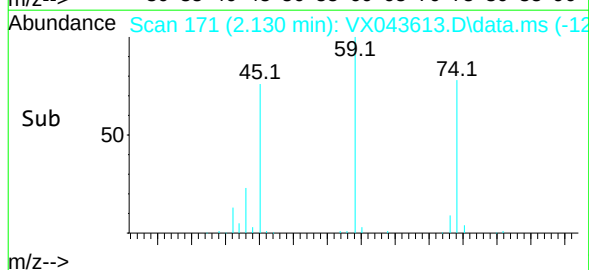
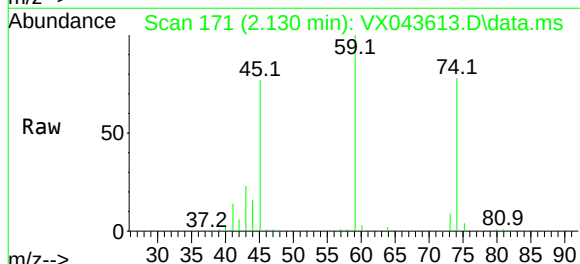
Acq: 30 Oct 2024 10:56

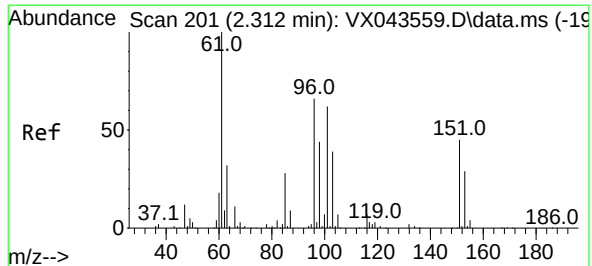
Tgt Ion: 74 Resp: 19398

Ion Ratio Lower Upper

74 100

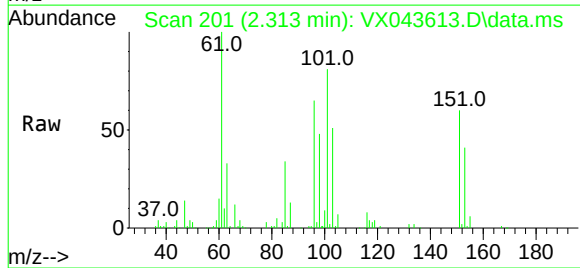
45 96.3 47.5 142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.947 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

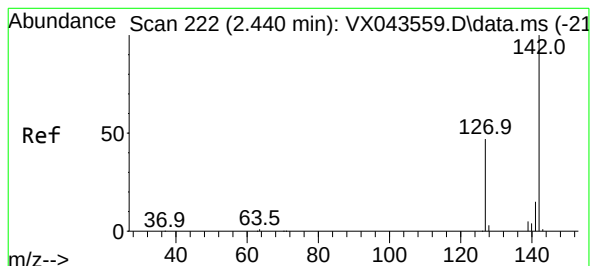
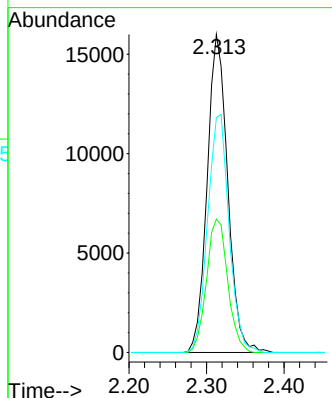
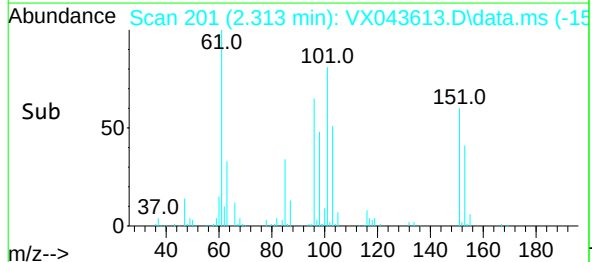
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01



Tgt Ion:101 Resp: 29454
Ion Ratio Lower Upper
101 100
85 43.3 34.5 51.7
151 78.2 58.2 87.2

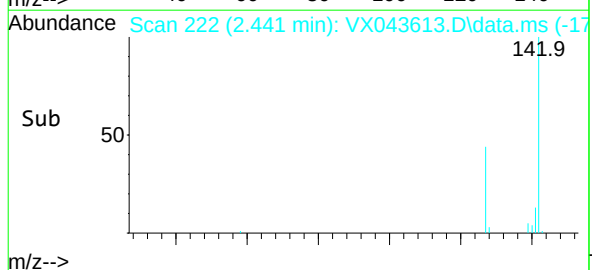
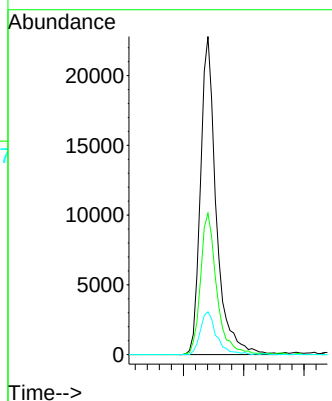
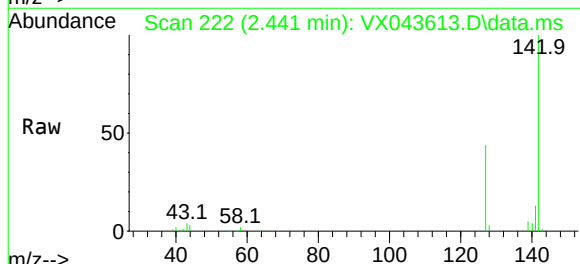
Manual Integrations
APPROVED

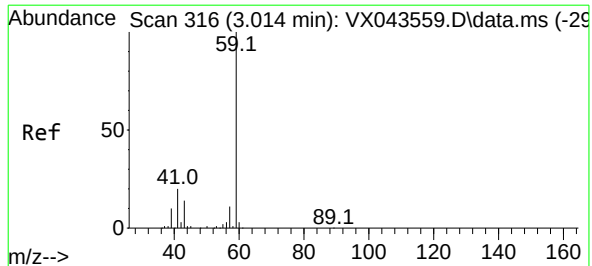
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#10
Methyl Iodide
Concen: 18.431 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:142 Resp: 41395
Ion Ratio Lower Upper
142 100
127 45.6 38.2 57.4
141 13.8 11.5 17.3





#11

Tert butyl alcohol

Concen: 93.465 ug/l m

RT: 3.008 min Scan# 31

Delta R.T. -0.042 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 59 Resp: 41254

Ion Ratio Lower Upper

59 100

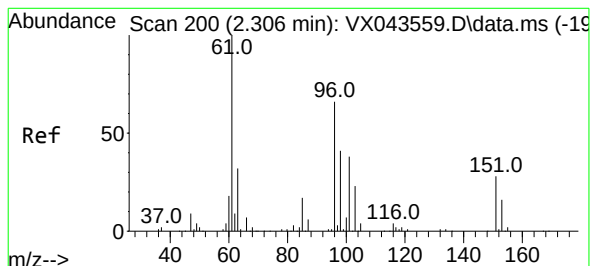
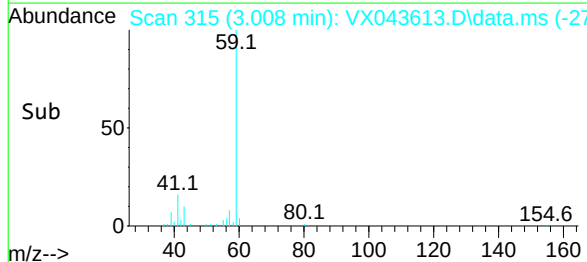
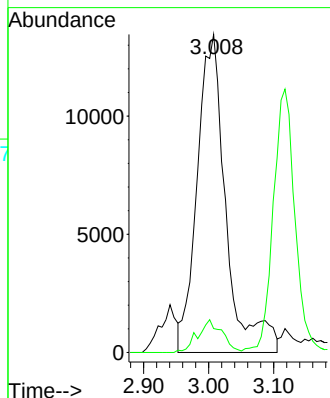
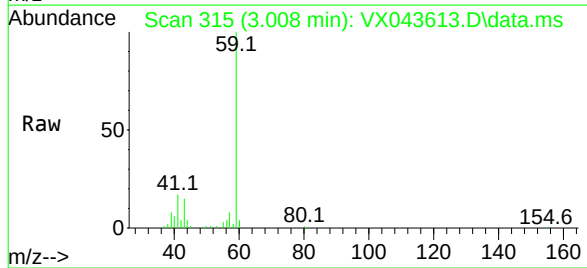
57 8.8 0.0 0.0#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#12

1,1-Dichloroethene

Concen: 17.722 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

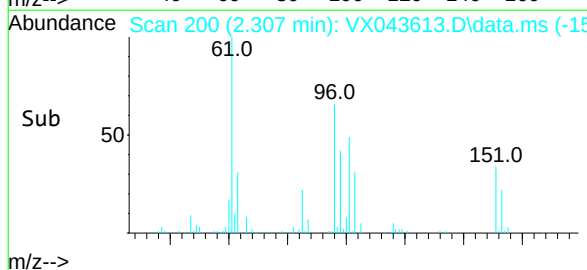
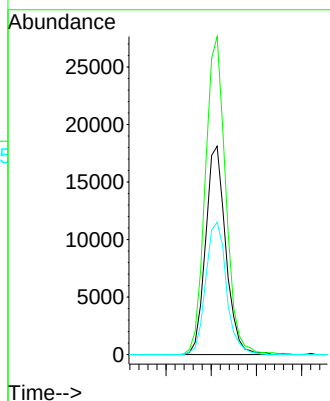
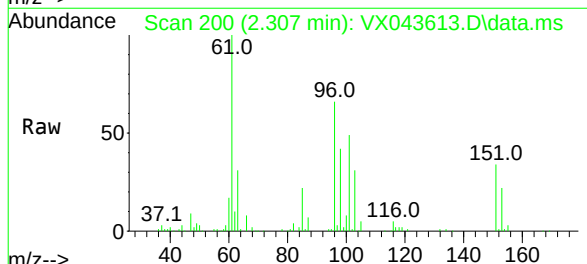
Tgt Ion: 96 Resp: 28154

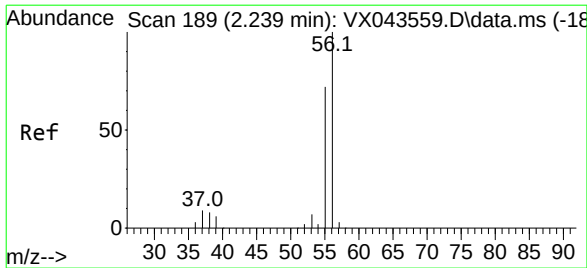
Ion Ratio Lower Upper

96 100

61 152.7 130.2 195.4

98 63.5 51.0 76.6





#13

Acrolein

Concen: 77.239 ug/l

RT: 2.233 min Scan# 18

Delta R.T. -0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt Ion: 56 Resp: 26661

Ion Ratio Lower Upper

56 100

55 71.5 55.3 82.9

Instrument :

MSVOA_X

ClientSampleId :

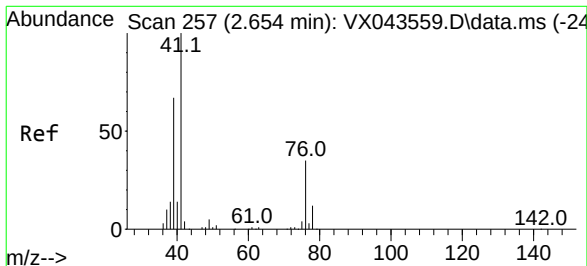
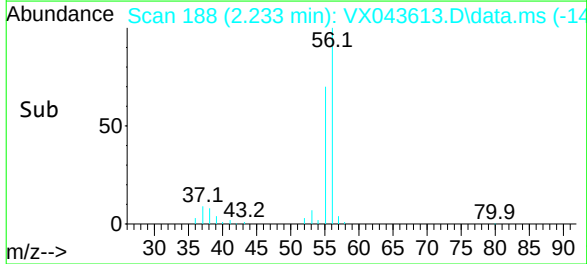
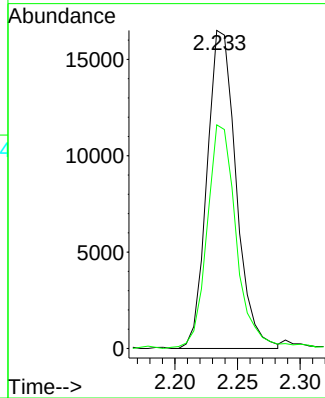
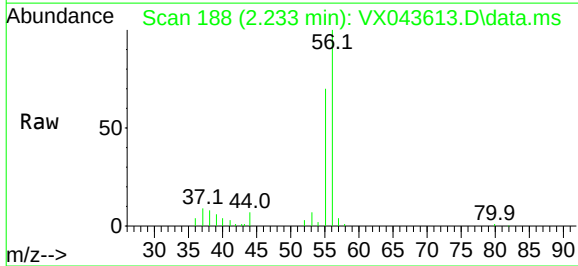
VX1030WBS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#14

Allyl chloride

Concen: 16.975 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

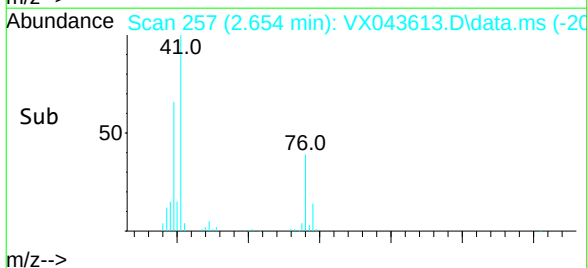
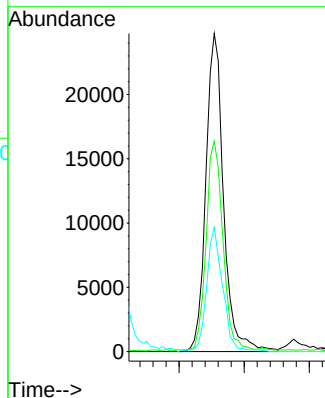
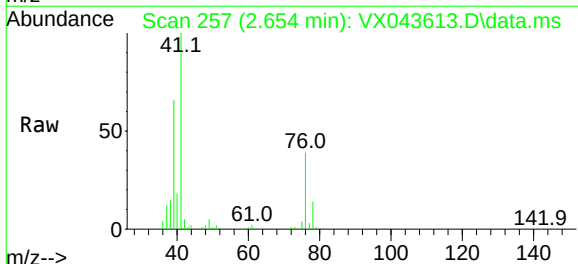
Tgt Ion: 41 Resp: 46642

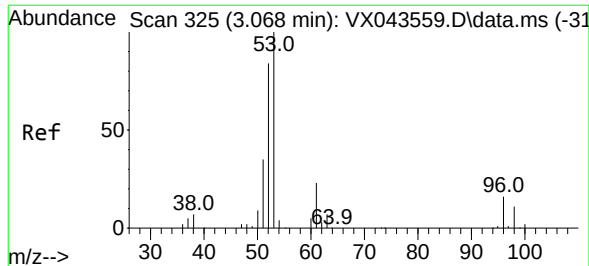
Ion Ratio Lower Upper

41 100

39 63.8 53.2 79.8

76 35.4 27.0 40.6





#15

Acrylonitrile

Concen: 98.870 ug/l

RT: 3.069 min Scan# 32

Delta R.T. -0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 53 Resp: 98528

Ion Ratio Lower Upper

53 100

52 83.2 65.8 98.6

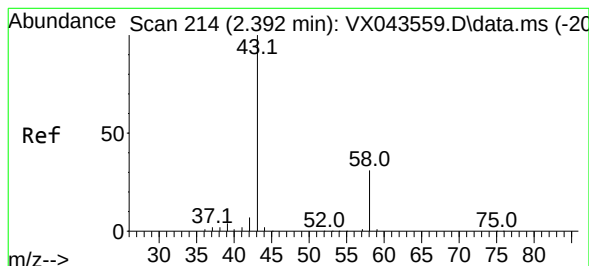
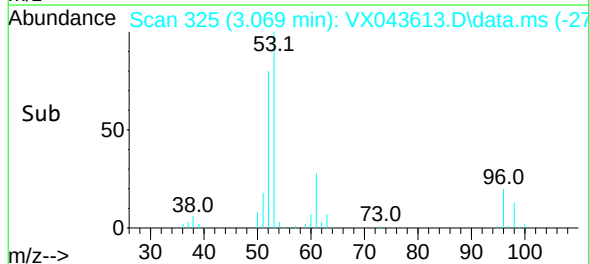
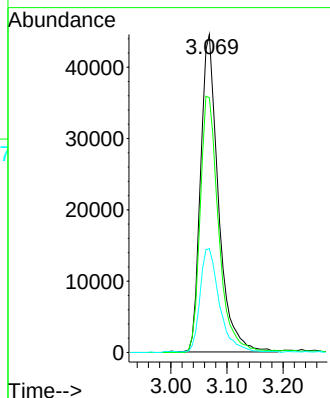
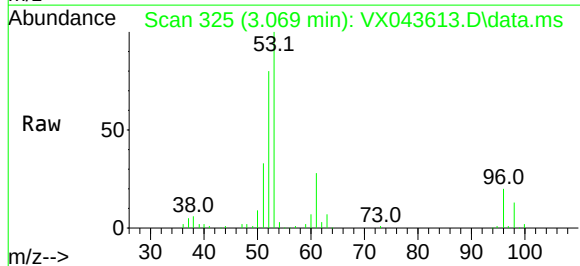
51 35.0 28.5 42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#16

Acetone

Concen: 99.457 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX043613.D

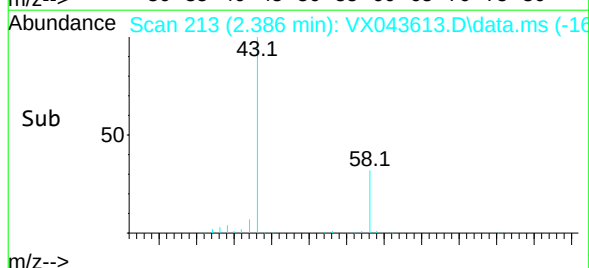
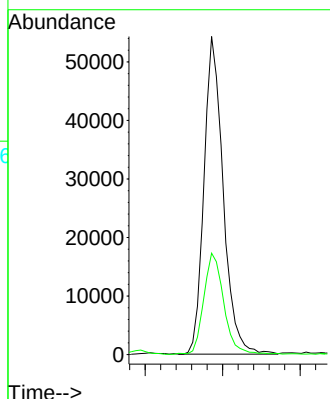
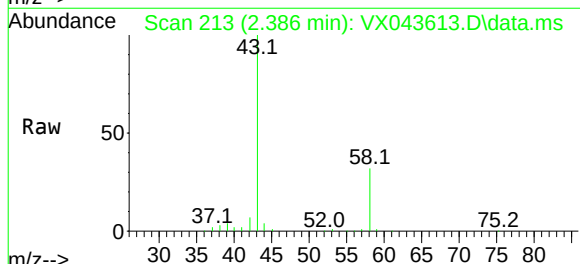
Acq: 30 Oct 2024 10:56

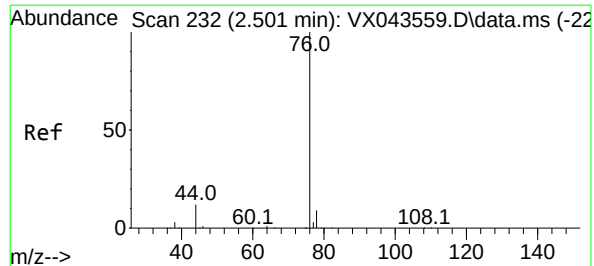
Tgt Ion: 43 Resp: 93396

Ion Ratio Lower Upper

43 100

58 31.6 25.1 37.7





#17

Carbon Disulfide

Concen: 14.734 ug/l

RT: 2.496 min Scan# 231

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 76 Resp: 48946

Ion Ratio Lower Upper

76 100

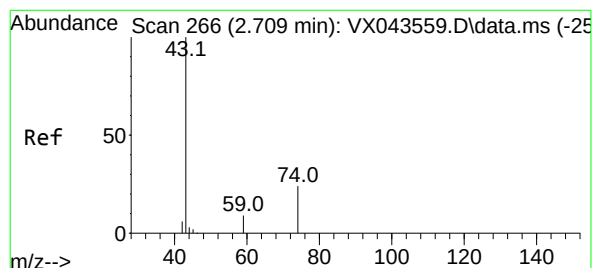
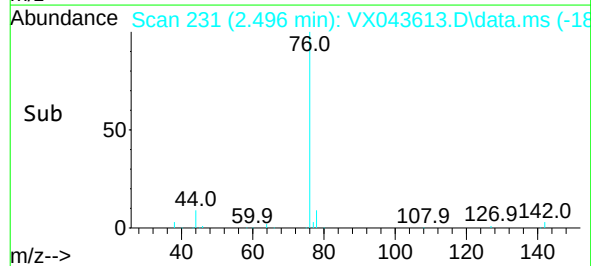
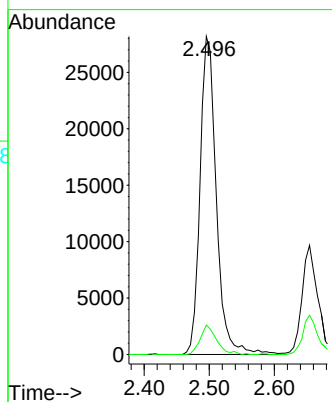
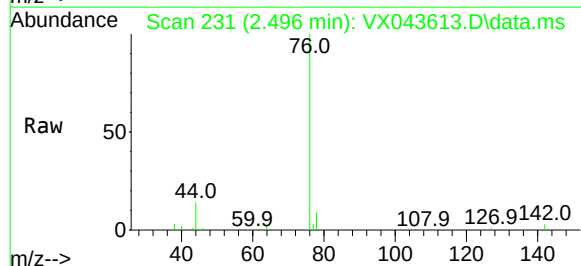
78 9.3 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#18

Methyl Acetate

Concen: 18.453 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.006 min

Lab File: VX043613.D

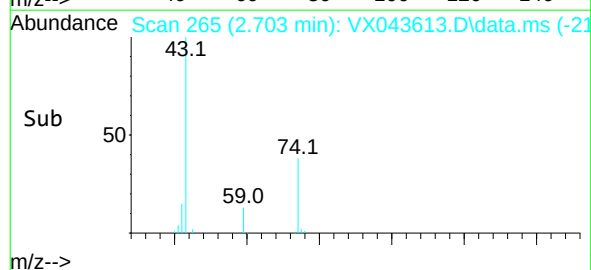
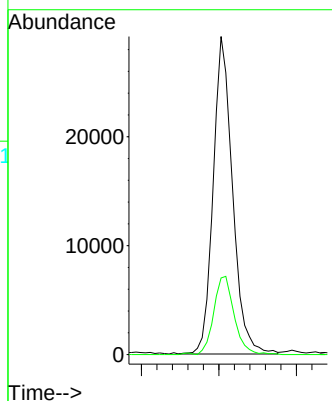
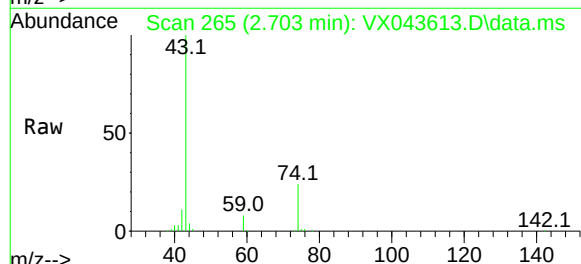
Acq: 30 Oct 2024 10:56

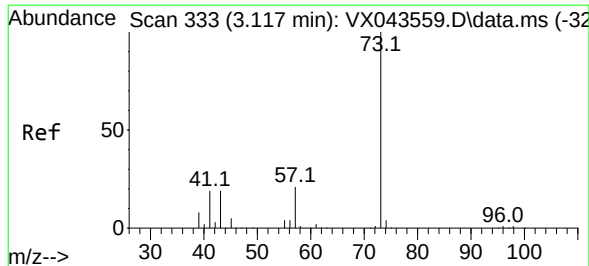
Tgt Ion: 43 Resp: 50644

Ion Ratio Lower Upper

43 100

74 26.0 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 18.837 ug/l

RT: 3.117 min Scan# 333

Delta R.T. -0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 73 Resp: 113805

Ion Ratio Lower Upper

73 100

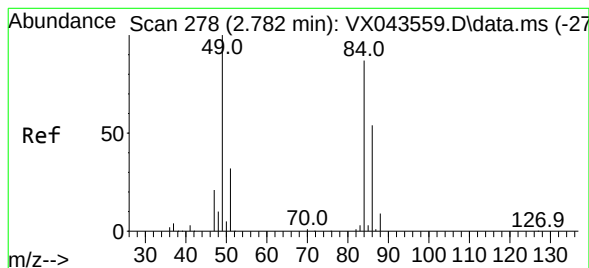
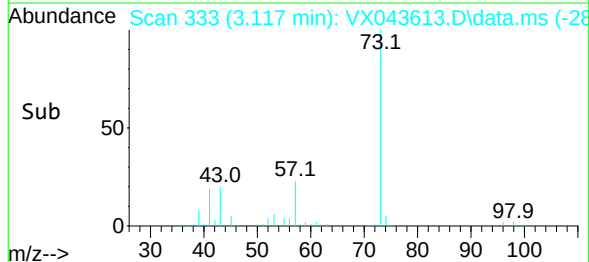
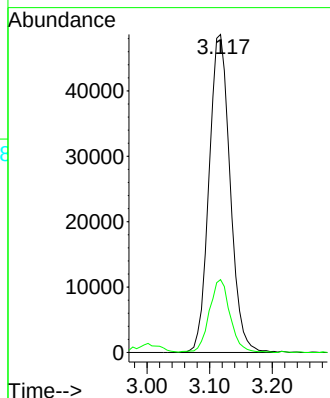
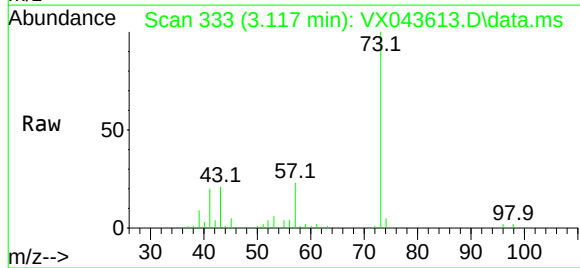
57 22.9 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#20

Methylene Chloride

Concen: 18.230 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt Ion: 84 Resp: 36896

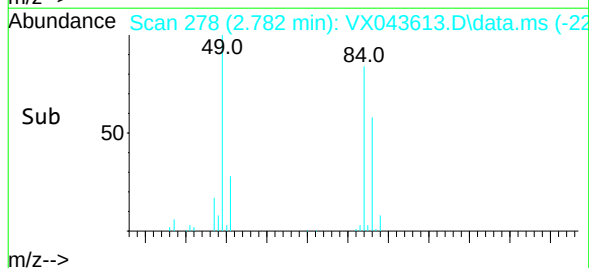
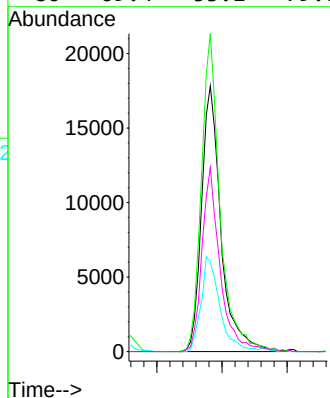
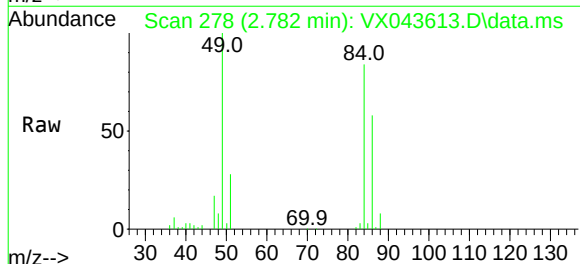
Ion Ratio Lower Upper

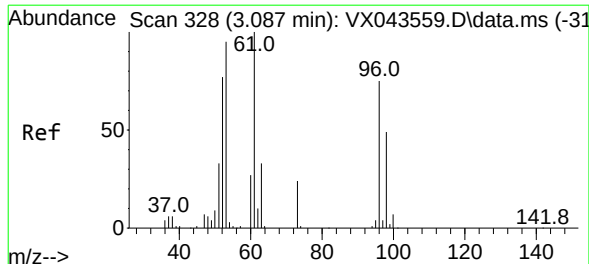
84 100

49 119.7 97.0 145.6

51 33.6 29.8 44.8

86 69.4 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 18.189 ug/l

RT: 3.081 min Scan# 32

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

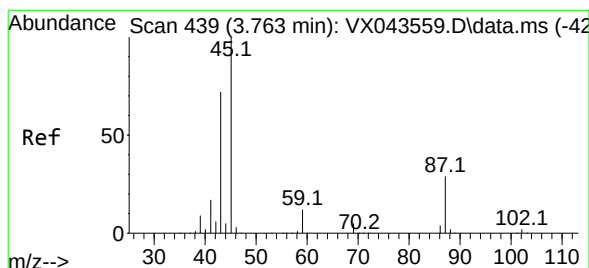
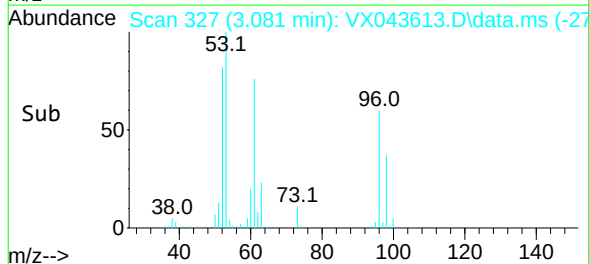
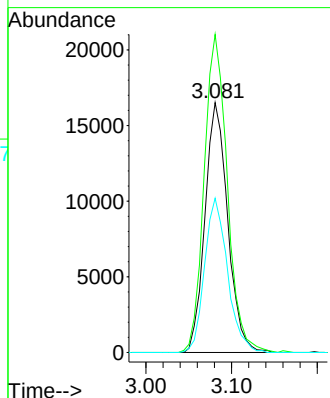
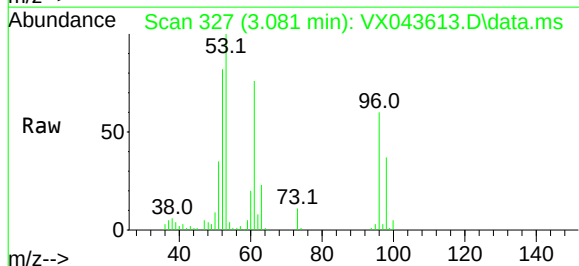
VX1030WBS01

Tgt	Ion	Ratio	Lower	Upper
96	100			
61	127.3	107.1	160.7	
98	61.7	47.7	71.5	

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#22

Diisopropyl ether

Concen: 18.921 ug/l

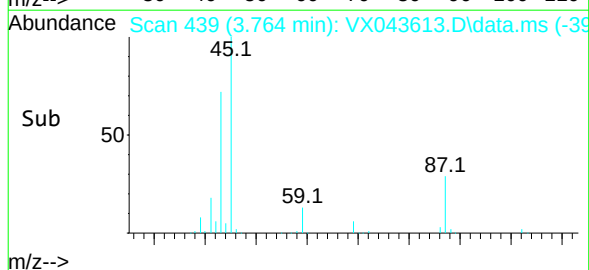
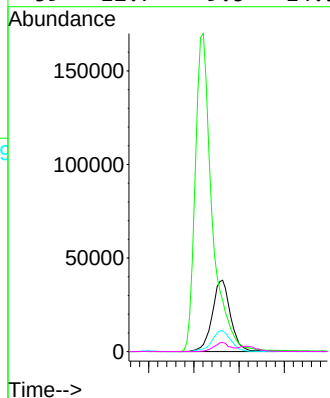
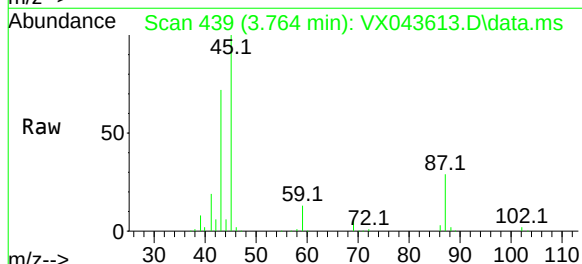
RT: 3.764 min Scan# 439

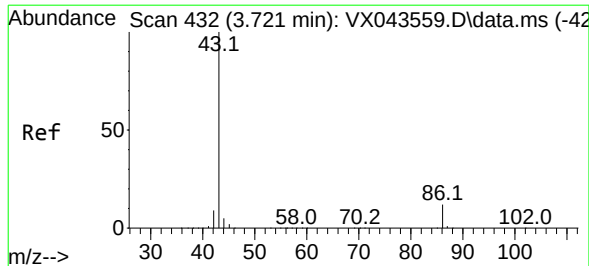
Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt	Ion	Ratio	Lower	Upper
45	100			
43	72.0	60.6	90.8	
87	29.1	22.0	33.0	
59	12.7	9.5	14.3	





#23

Vinyl Acetate

Concen: 94.573 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 43 Resp: 443752

Ion Ratio Lower Upper

43 100

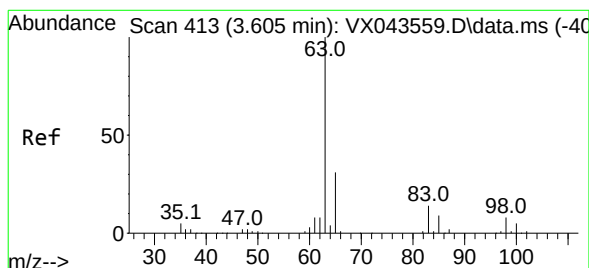
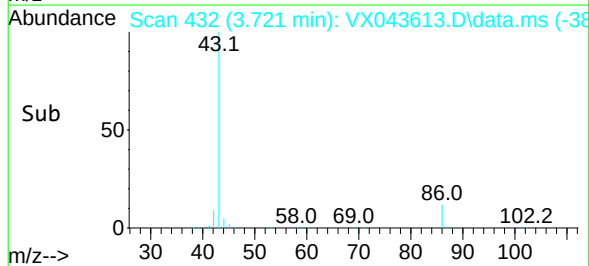
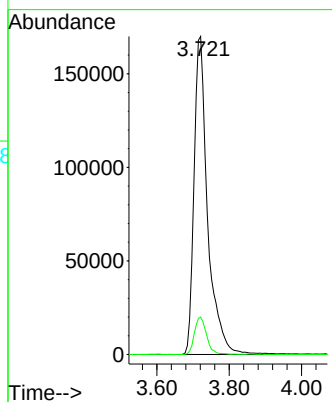
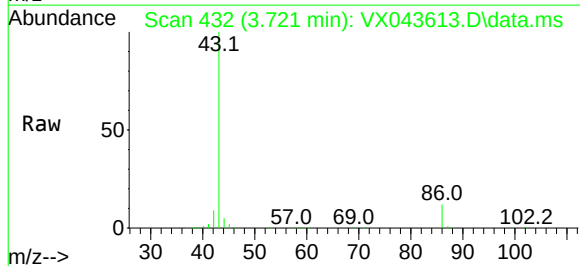
86 11.8 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#24

1,1-Dichloroethane

Concen: 17.994 ug/l

RT: 3.599 min Scan# 412

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

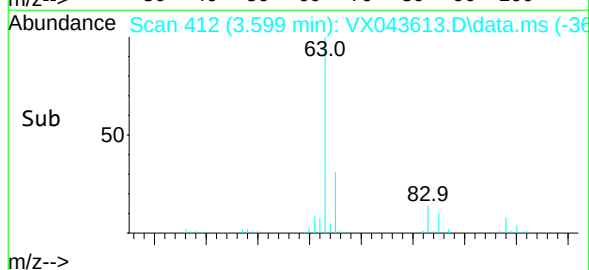
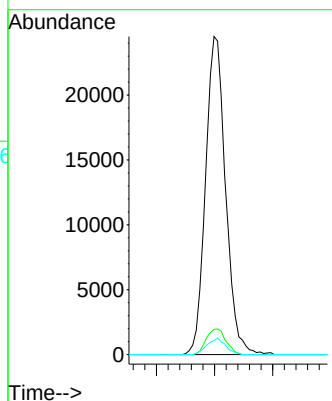
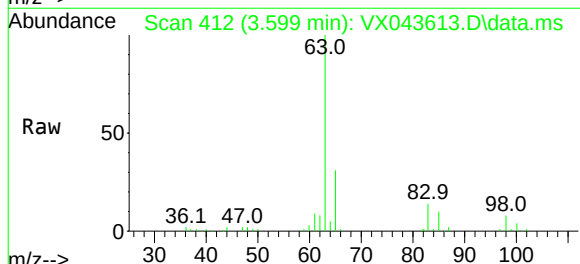
Tgt Ion: 63 Resp: 58738

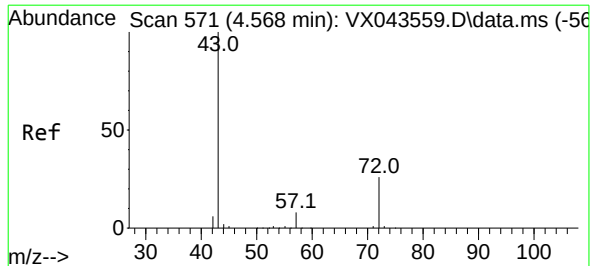
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 100.482 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 137643

Ion Ratio Lower Upper

43 100

72 26.8 21.1 31.7

Instrument :

MSVOA_X

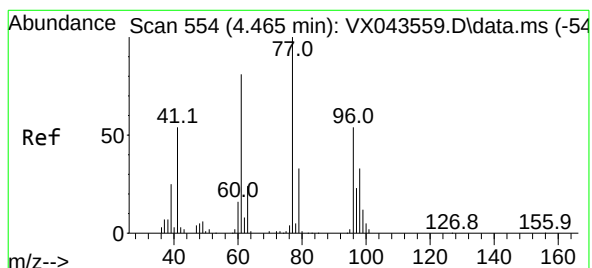
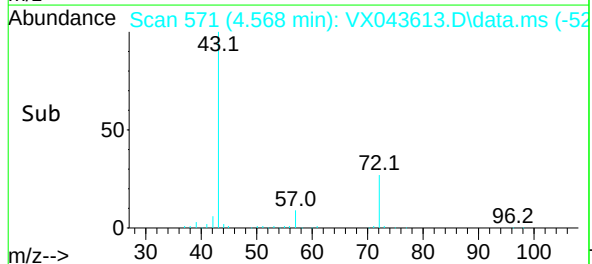
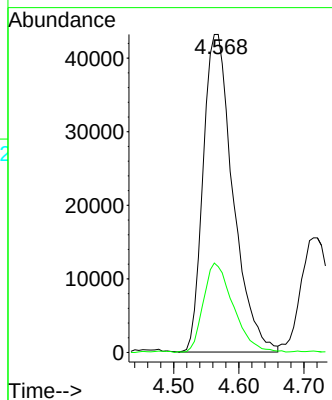
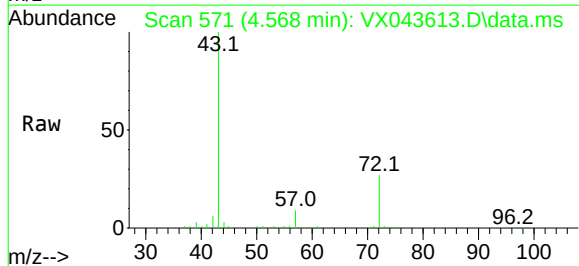
ClientSampleId :

VX1030WBS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#26

2,2-Dichloropropane

Concen: 17.844 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX043613.D

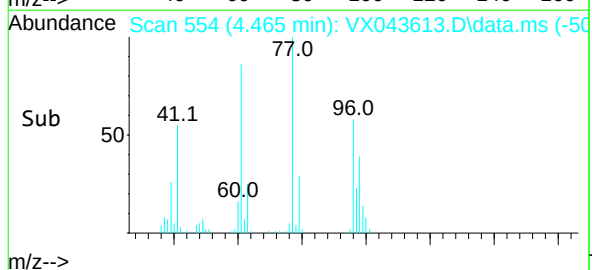
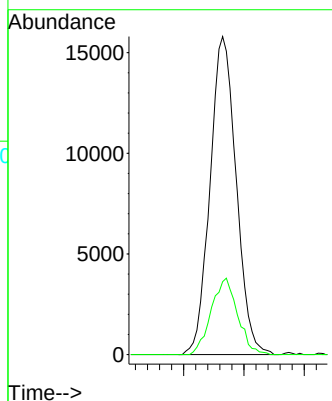
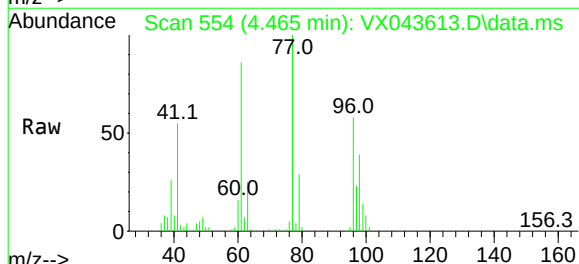
Acq: 30 Oct 2024 10:56

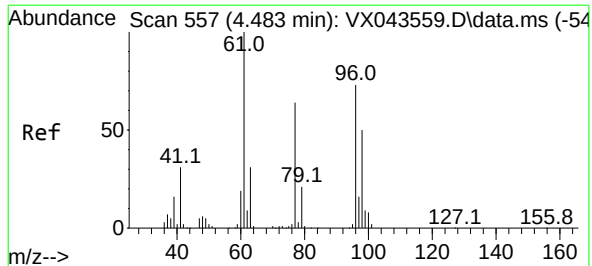
Tgt Ion: 77 Resp: 47680

Ion Ratio Lower Upper

77 100

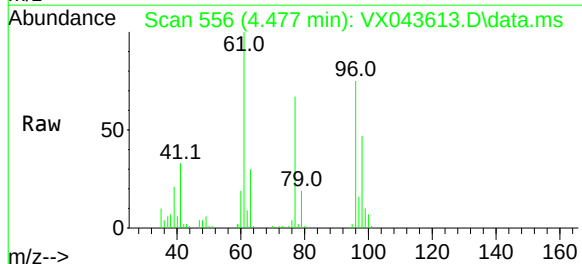
97 24.2 11.6 34.8





#27
cis-1,2-Dichloroethene
Concen: 18.882 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

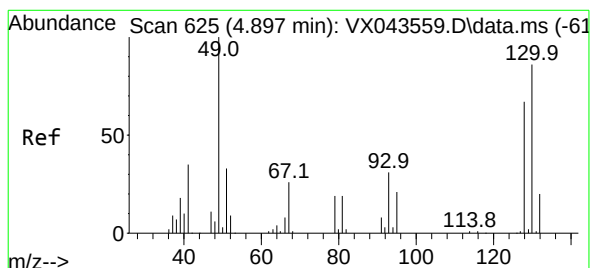
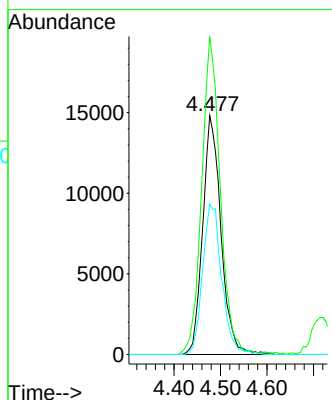
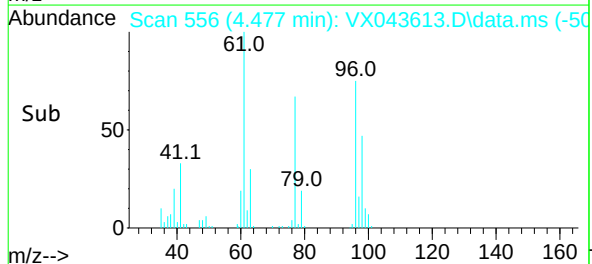
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01



Tgt Ion: 96 Resp: 40483
Ion Ratio Lower Upper
96 100
61 135.1 0.0 277.2
98 65.8 0.0 131.6

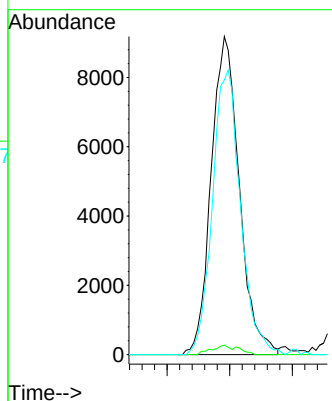
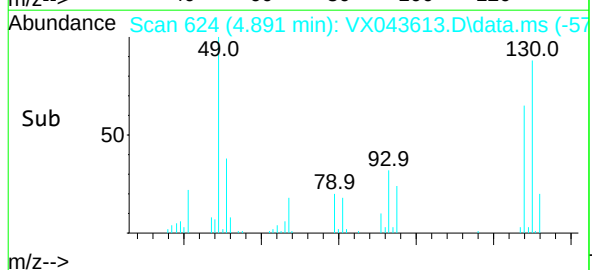
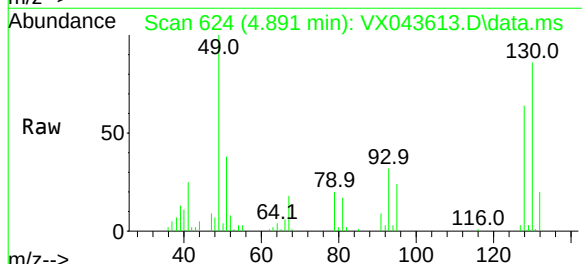
Manual Integrations
APPROVED

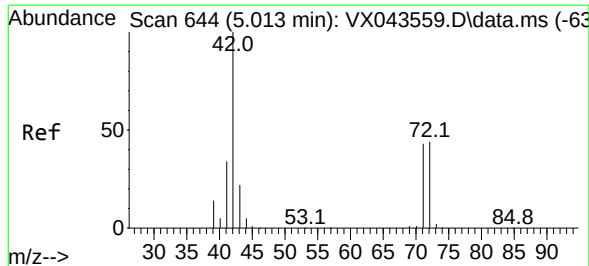
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#28
Bromochloromethane
Concen: 18.463 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 49 Resp: 28671
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.2
130 89.0 67.8 101.8





#29

Tetrahydrofuran

Concen: 95.744 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 42 Resp: 85231

Ion Ratio Lower Upper

42 100

72 47.6 36.6 55.0

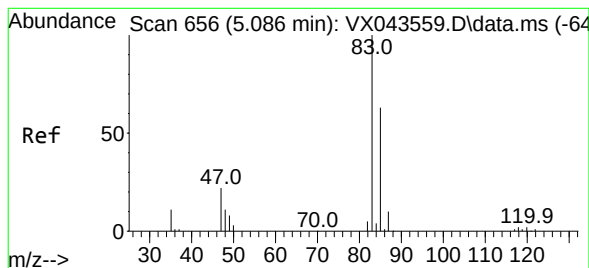
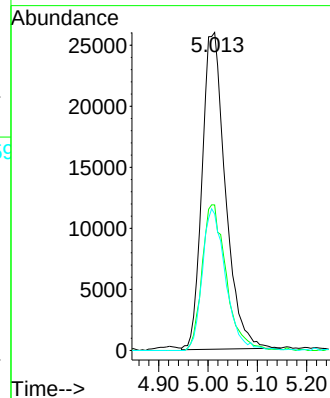
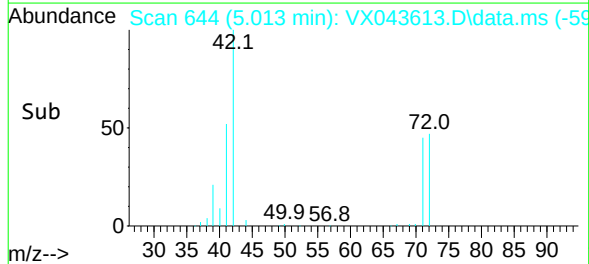
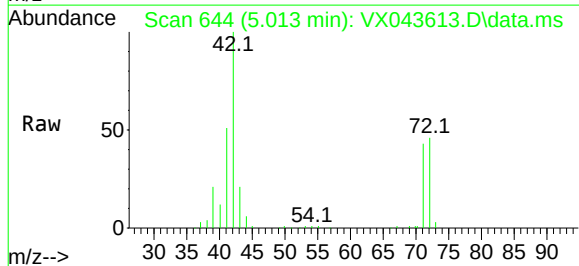
71 44.6 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#30

Chloroform

Concen: 18.820 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.012 min

Lab File: VX043613.D

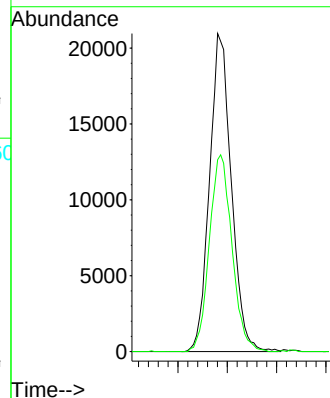
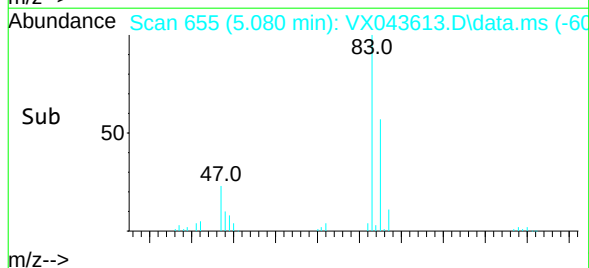
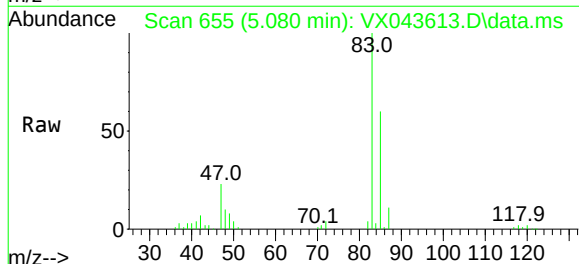
Acq: 30 Oct 2024 10:56

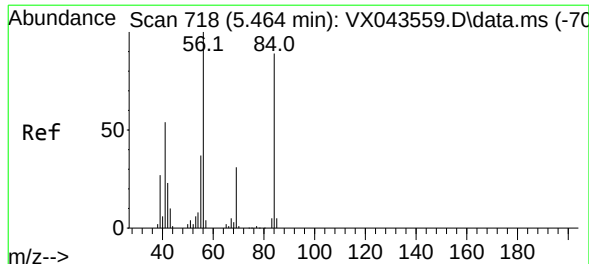
Tgt Ion: 83 Resp: 64399

Ion Ratio Lower Upper

83 100

85 60.3 52.2 78.4





#31

Cyclohexane

Concen: 18.042 ug/l

RT: 5.458 min Scan# 71

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 56 Resp: 45048

Ion Ratio Lower Upper

56 100

69 34.9 24.9 37.3

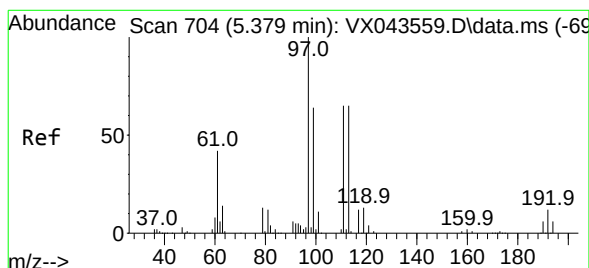
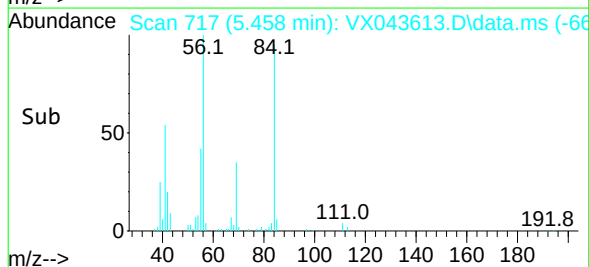
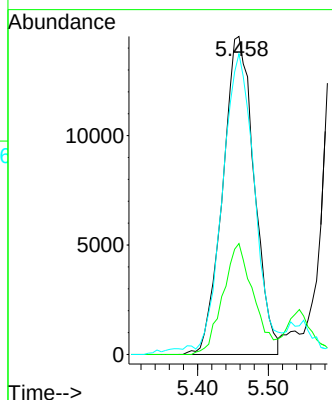
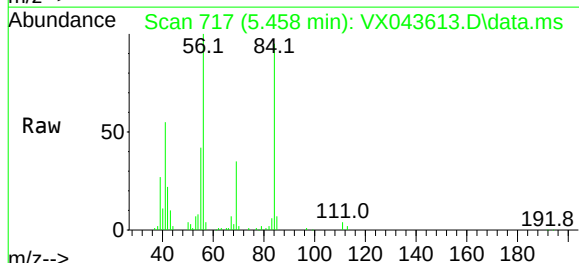
84 92.7 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#32

1,1,1-Trichloroethane

Concen: 17.662 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

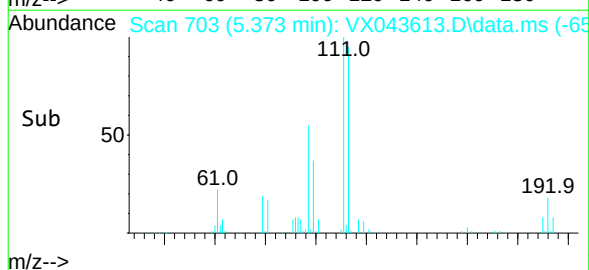
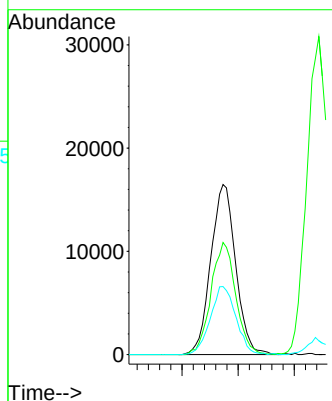
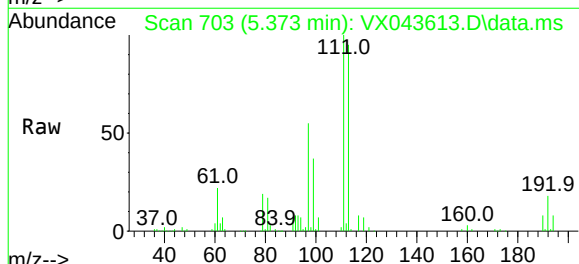
Tgt Ion: 97 Resp: 50740

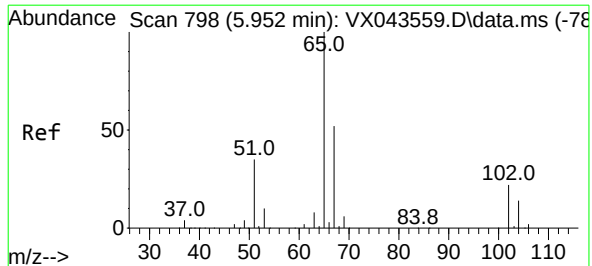
Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.0

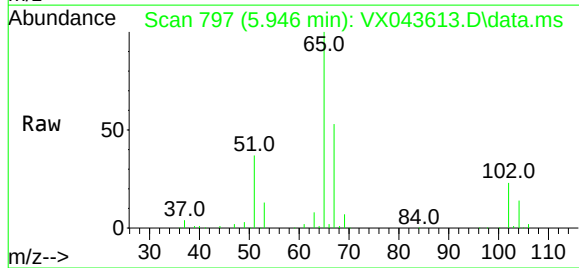
61 41.1 34.0 51.0





#33
1,2-Dichloroethane-d4
Concen: 45.760 ug/l
RT: 5.946 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

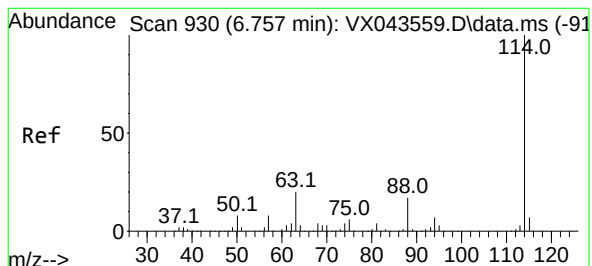
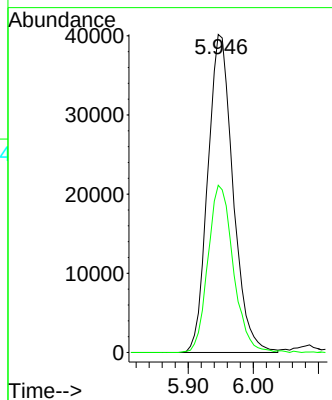
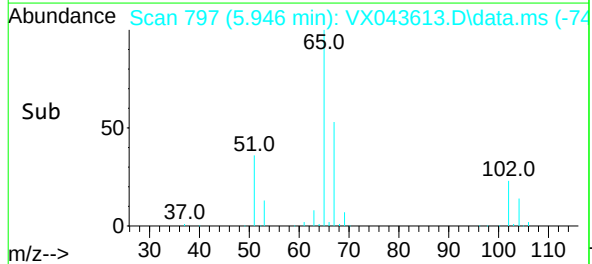
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01



Tgt Ion: 65 Resp: 108212
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4

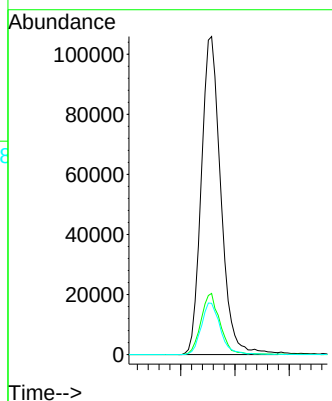
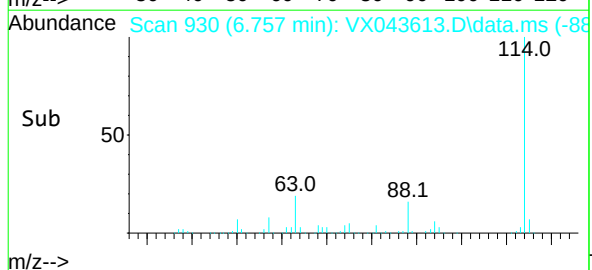
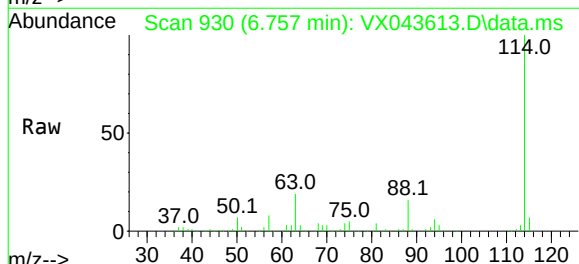
Manual Integrations
APPROVED

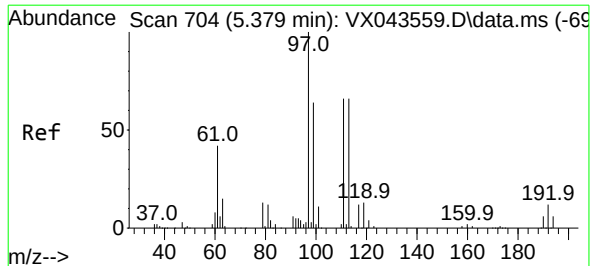
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

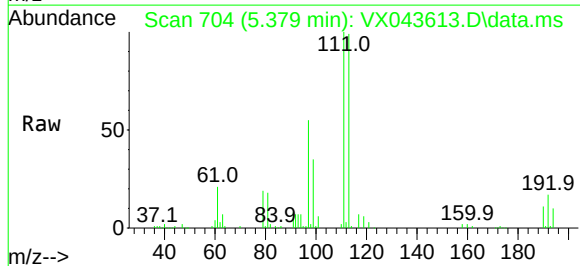
Tgt Ion:114 Resp: 264784
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.2
88 16.1 0.0 34.0





#35
Dibromofluoromethane
Concen: 48.469 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

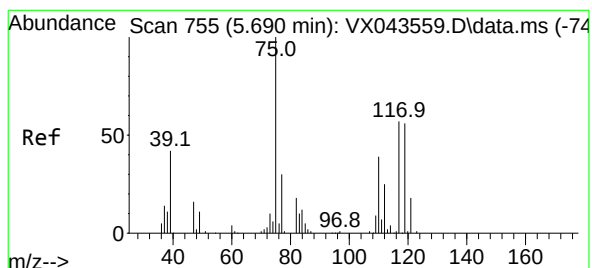
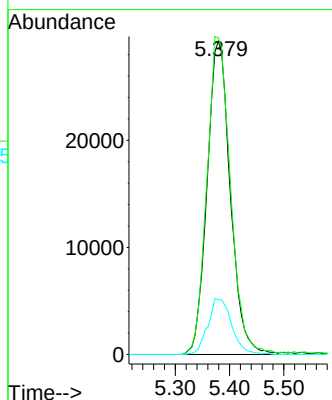
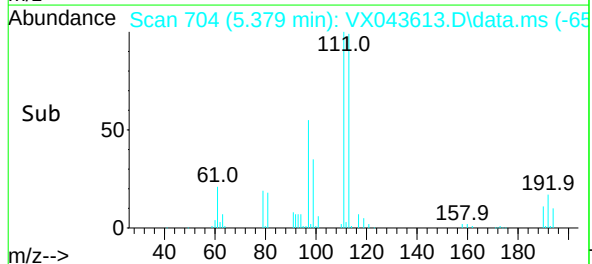
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01



Tgt Ion: 113 Resp: 87025
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.0
192 18.3 14.1 21.1

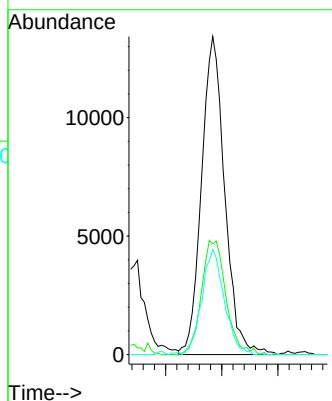
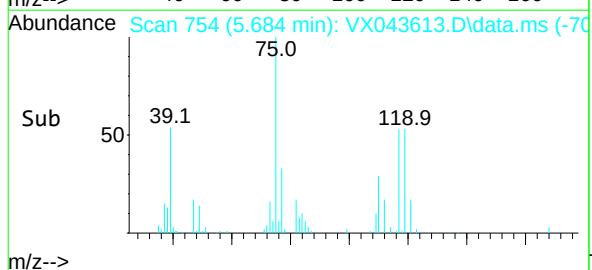
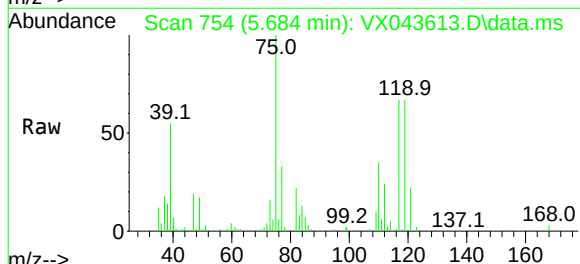
Manual Integrations
APPROVED

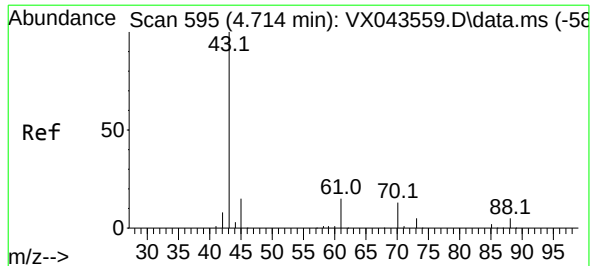
Reviewed By : Semsettin Yesilyurt 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#36
1,1-Dichloropropene
Concen: 18.092 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 75 Resp: 38518
Ion Ratio Lower Upper
75 100
110 37.9 17.9 53.7
77 32.2 25.0 37.4





#37

Ethyl Acetate

Concen: 19.981 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 43 Resp: 51646

Ion Ratio Lower Upper

43 100

61 14.1 11.0 16.6

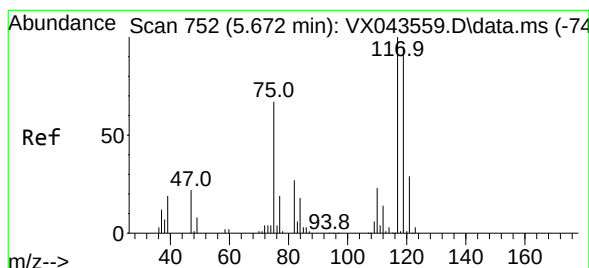
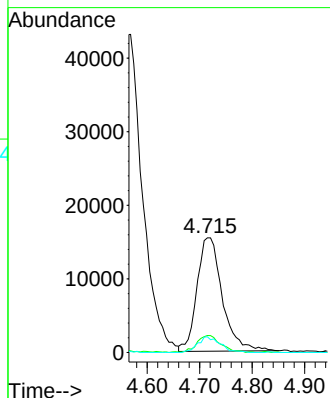
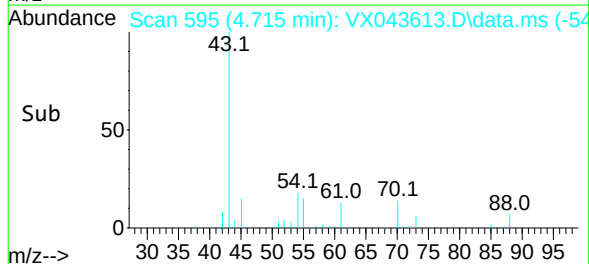
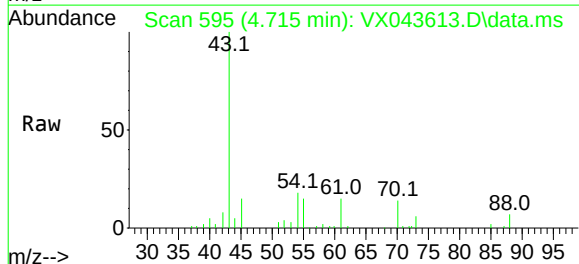
70 12.3 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#38

Carbon Tetrachloride

Concen: 17.571 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

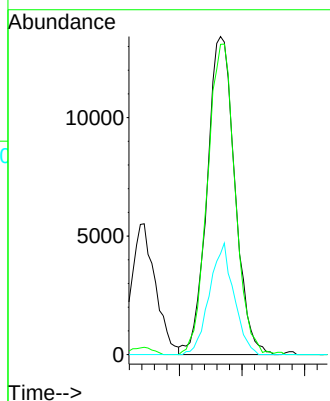
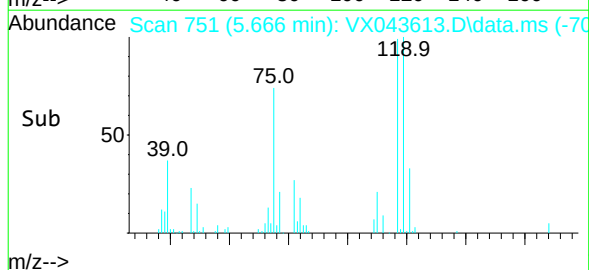
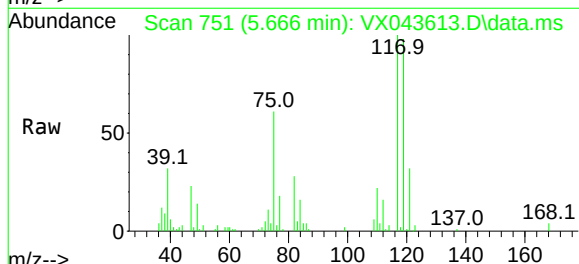
Tgt Ion:117 Resp: 41334

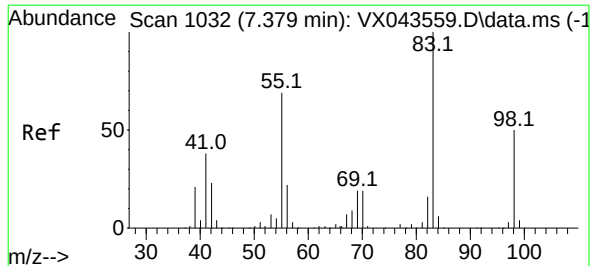
Ion Ratio Lower Upper

117 100

119 97.5 77.0 115.6

121 31.7 24.7 37.1





#39

Methylcyclohexane

Concen: 19.212 ug/l

RT: 7.373 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 83 Resp: 50783

Ion Ratio Lower Upper

83 100

55 75.2 59.9 89.9

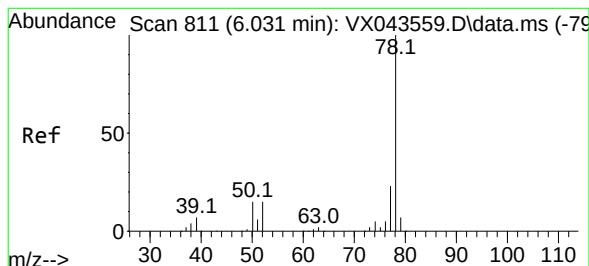
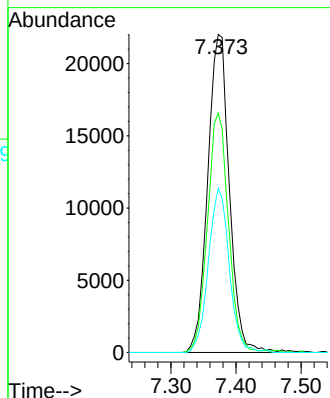
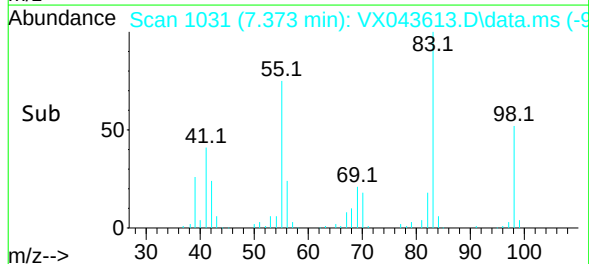
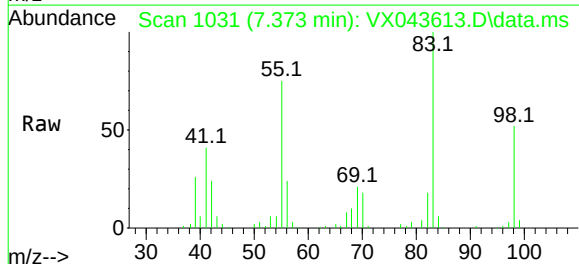
98 51.6 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#40

Benzene

Concen: 19.052 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043613.D

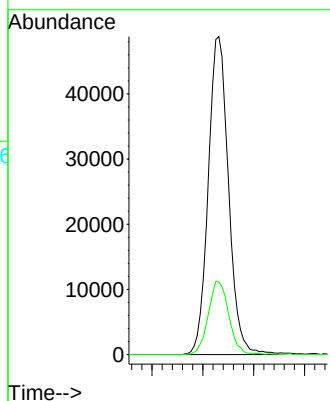
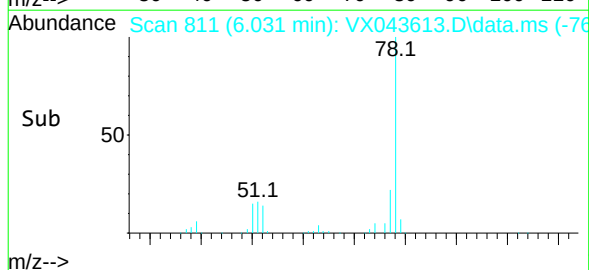
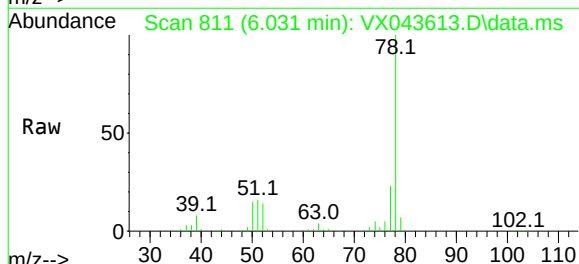
Acq: 30 Oct 2024 10:56

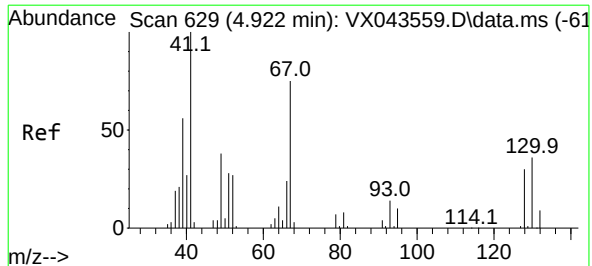
Tgt Ion: 78 Resp: 135317

Ion Ratio Lower Upper

78 100

77 22.8 18.4 27.6





#41

Methacrylonitrile

Concen: 20.345 ug/l

RT: 4.916 min Scan# 62

Delta R.T. -0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 41 Resp: 27603

Ion Ratio Lower Upper

41 100

39 52.2 43.5 65.3

67 79.2 58.3 87.5

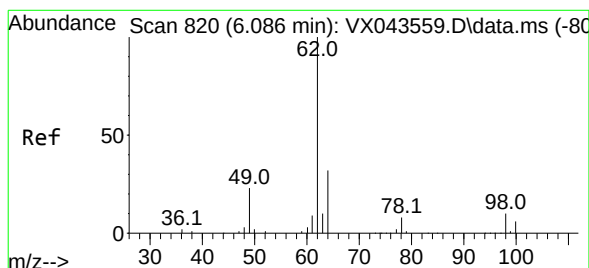
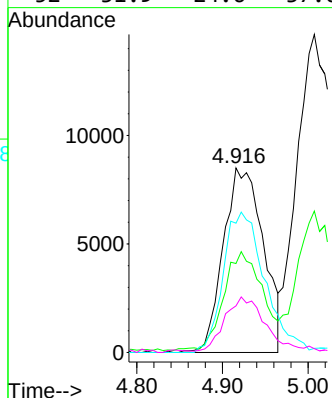
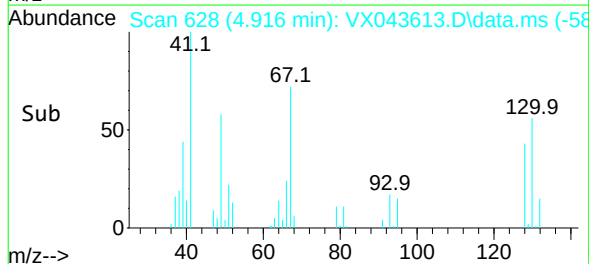
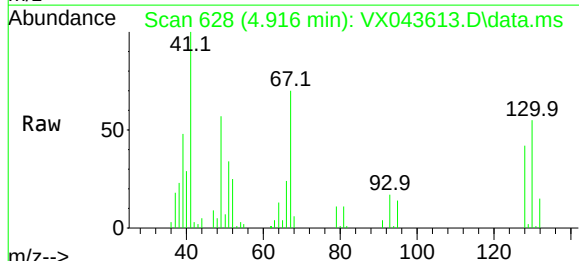
52 31.9 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#42

1,2-Dichloroethane

Concen: 18.866 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.006 min

Lab File: VX043613.D

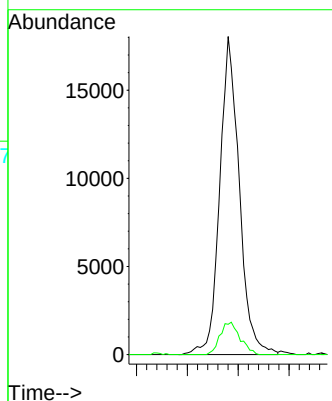
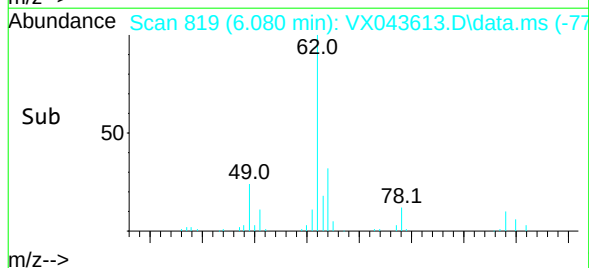
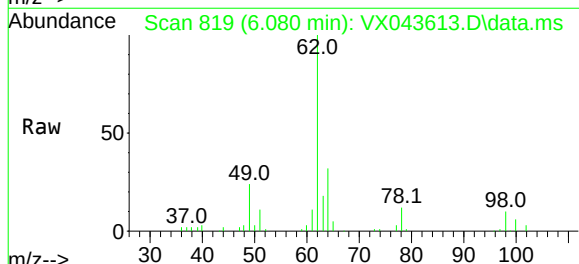
Acq: 30 Oct 2024 10:56

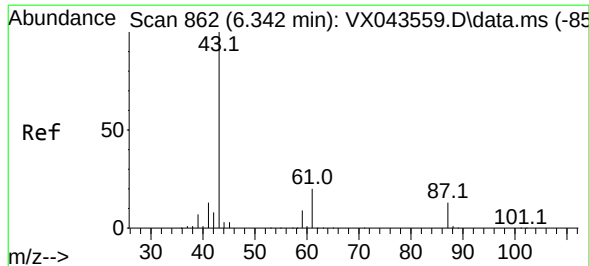
Tgt Ion: 62 Resp: 48172

Ion Ratio Lower Upper

62 100

98 10.4 0.0 18.8





#43

Isopropyl Acetate

Concen: 18.875 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 43 Resp: 80680

Ion Ratio Lower Upper

43 100

61 21.7 16.2 24.4

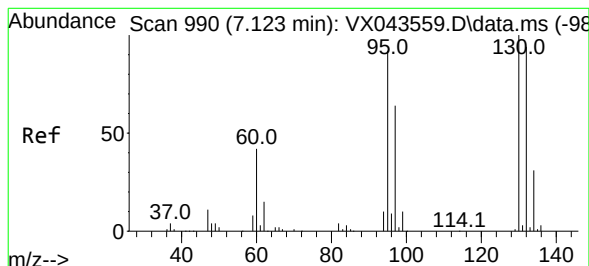
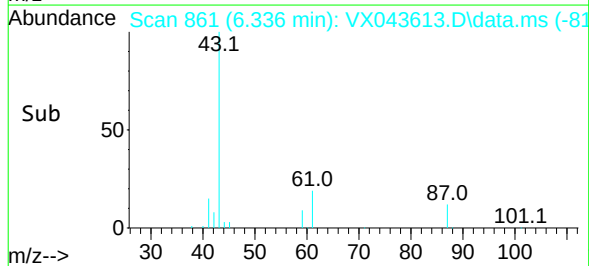
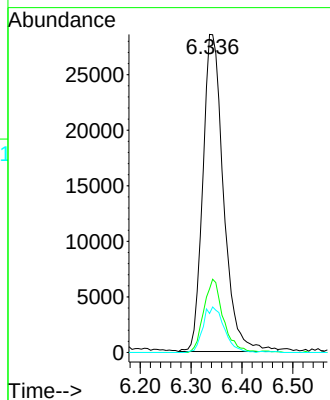
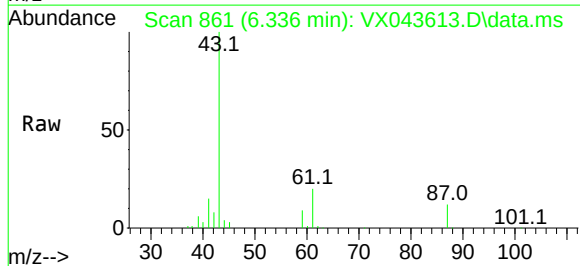
87 14.7 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#44

Trichloroethene

Concen: 18.233 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043613.D

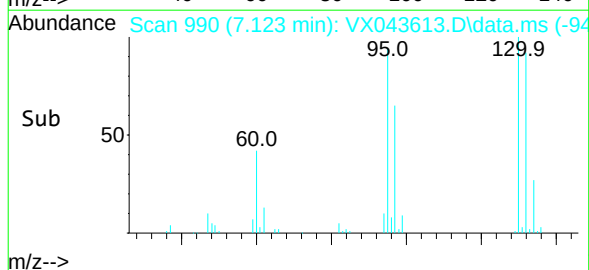
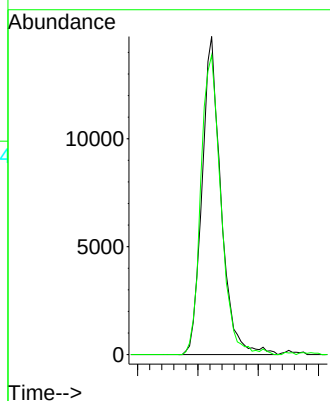
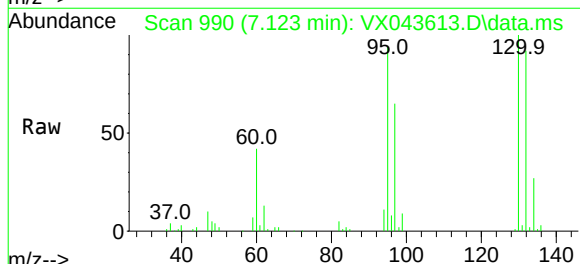
Acq: 30 Oct 2024 10:56

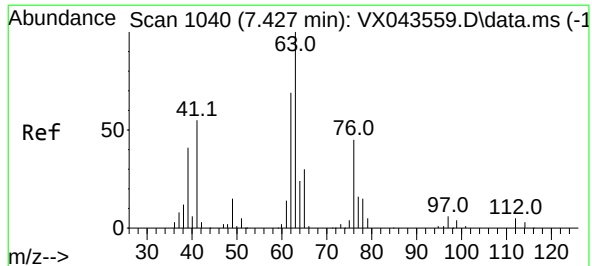
Tgt Ion:130 Resp: 32171

Ion Ratio Lower Upper

130 100

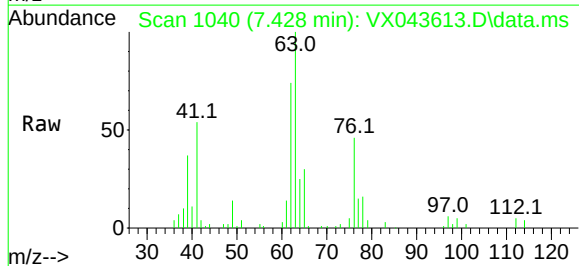
95 94.1 0.0 202.6





#45
1,2-Dichloropropane
Concen: 19.042 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

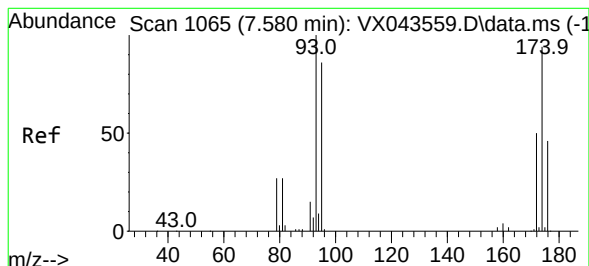
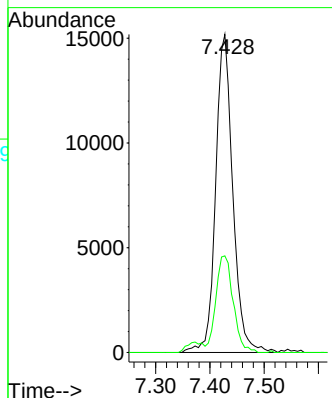
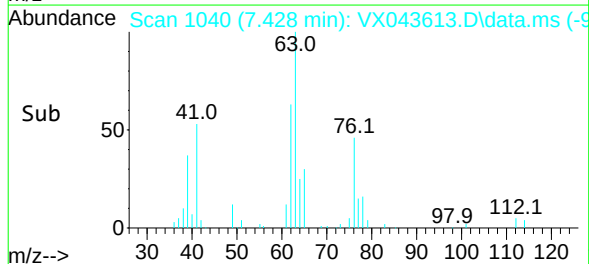
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01



Tgt Ion: 63 Resp: 33302
Ion Ratio Lower Upper
63 100
65 30.4 24.5 36.7

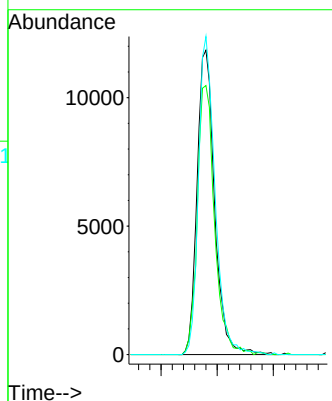
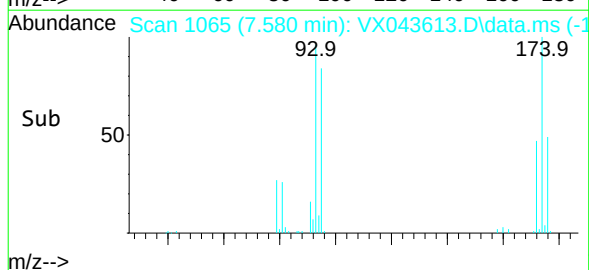
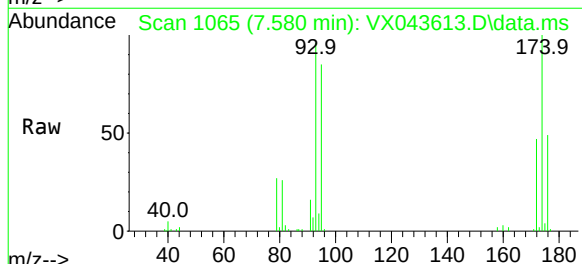
Manual Integrations
APPROVED

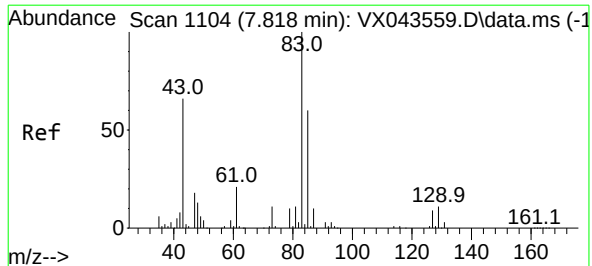
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#46
Dibromomethane
Concen: 19.140 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 93 Resp: 25774
Ion Ratio Lower Upper
93 100
95 86.9 66.4 99.6
174 98.7 75.0 112.4





#47

Bromodichloromethane

Concen: 18.529 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

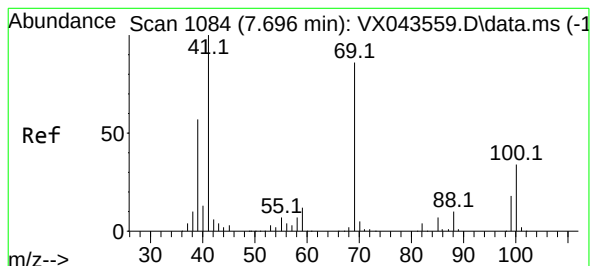
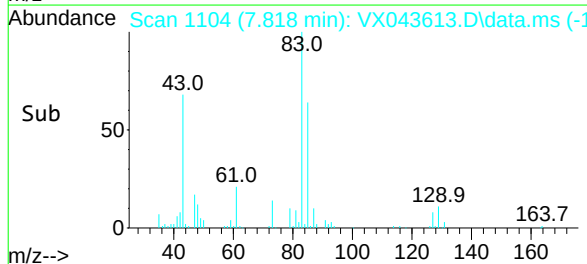
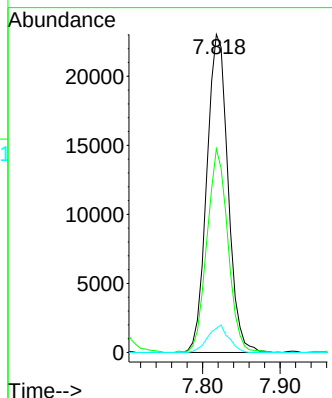
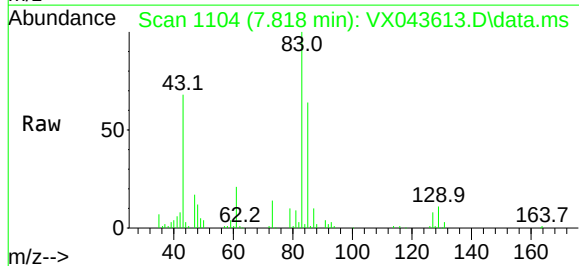
ClientSampleId :

VX1030WBS01

Tgt Ion:	83	Resp:	43771
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4
127	7.6	7.1	10.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#48

Methyl methacrylate

Concen: 19.653 ug/l

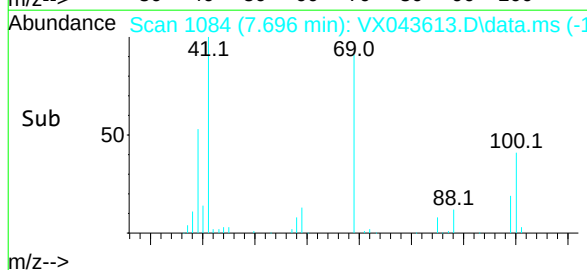
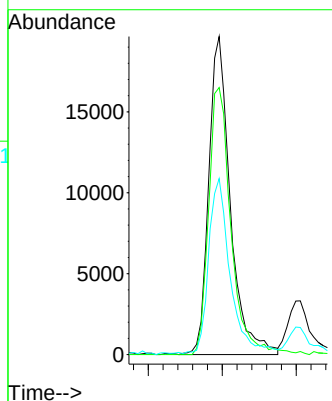
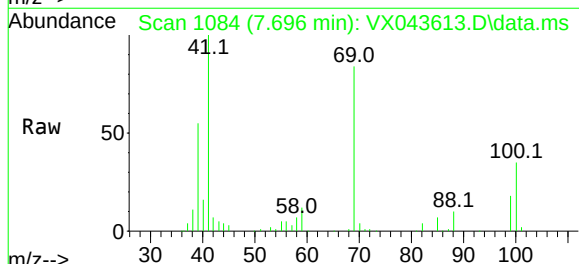
RT: 7.696 min Scan# 1084

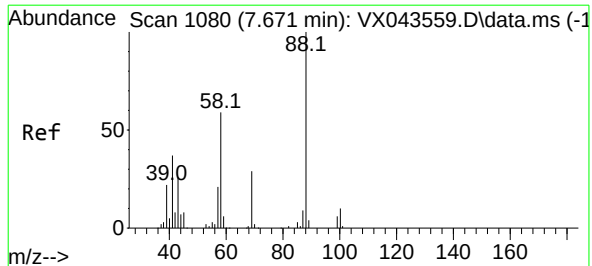
Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt Ion:	41	Resp:	39830
Ion	Ratio	Lower	Upper
41	100		
69	87.0	67.7	101.5
39	53.9	46.3	69.5





#49

1,4-Dioxane

Concen: 339.602 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 88 Resp: 14140

Ion Ratio Lower Upper

88 100

43 35.4 25.3 37.9

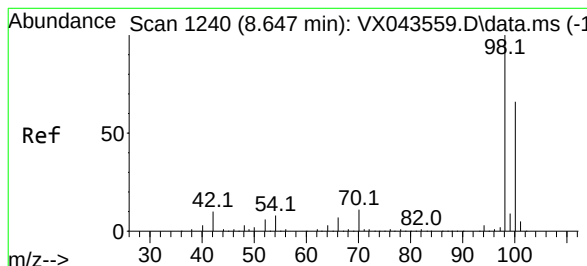
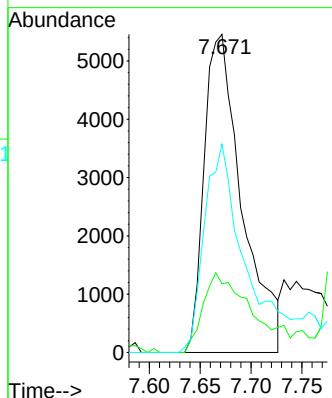
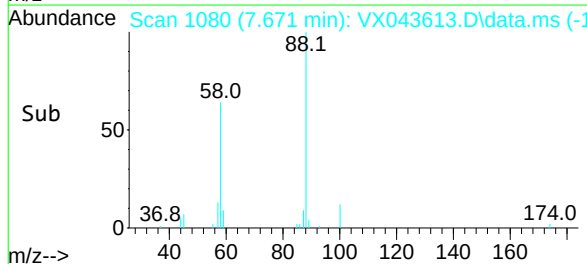
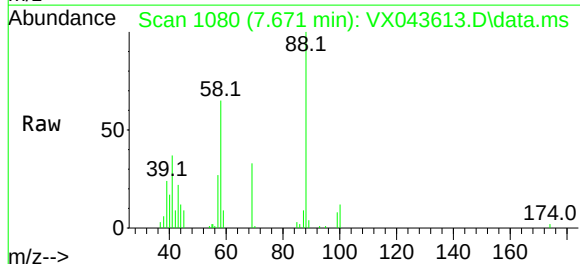
58 69.7 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#50

Toluene-d8

Concen: 50.612 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043613.D

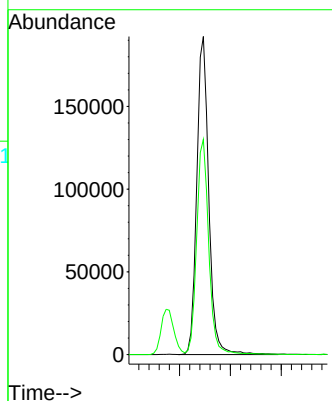
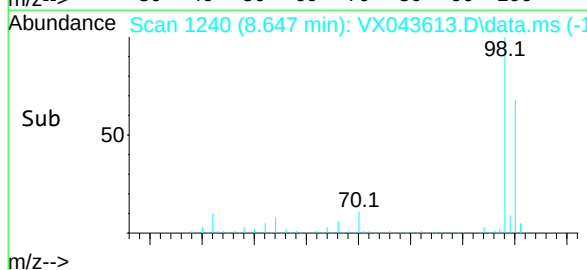
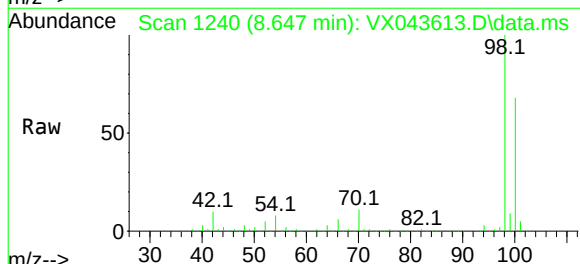
Acq: 30 Oct 2024 10:56

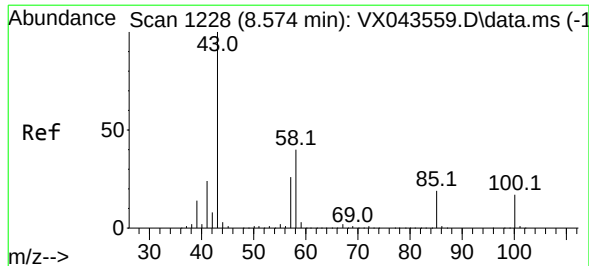
Tgt Ion: 98 Resp: 314569

Ion Ratio Lower Upper

98 100

100 68.3 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 103.625 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 269977

Ion Ratio Lower Upper

43 100

58 40.4 31.7 47.5

Instrument :

MSVOA_X

ClientSampleId :

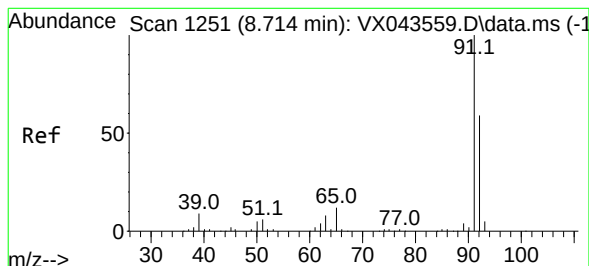
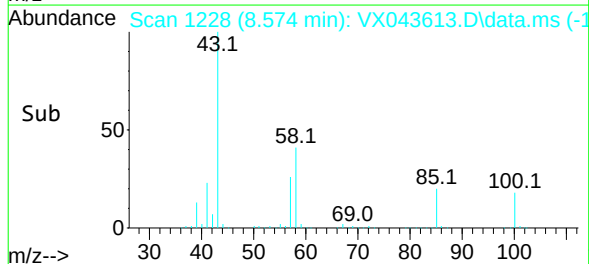
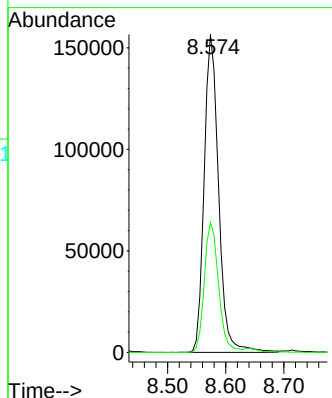
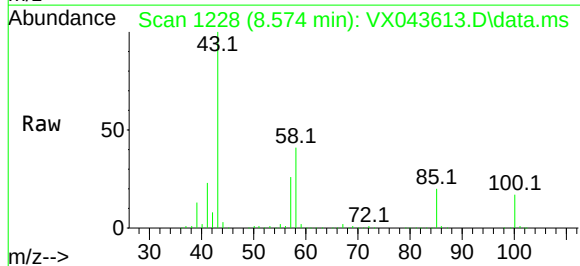
VX1030WBS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#52

Toluene

Concen: 19.702 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX043613.D

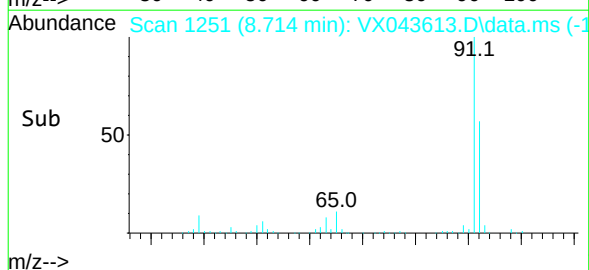
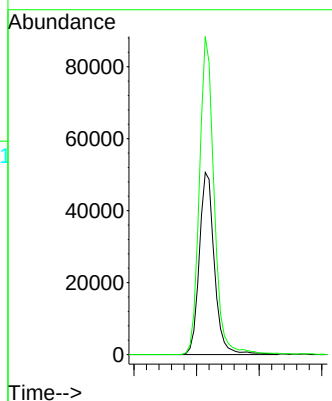
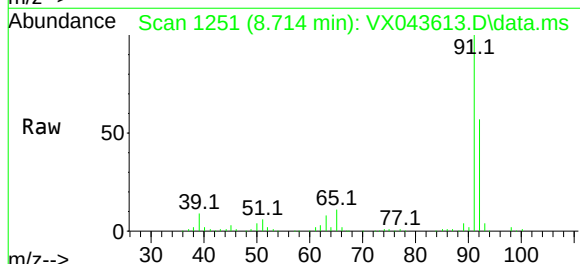
Acq: 30 Oct 2024 10:56

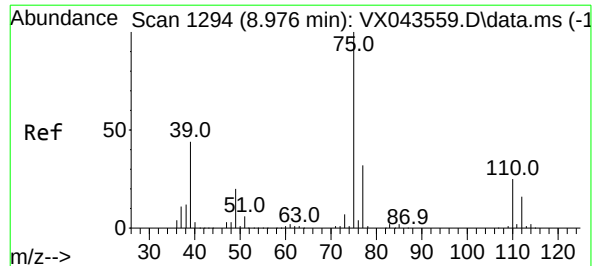
Tgt Ion: 92 Resp: 84865

Ion Ratio Lower Upper

92 100

91 170.7 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 18.322 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX043613.D

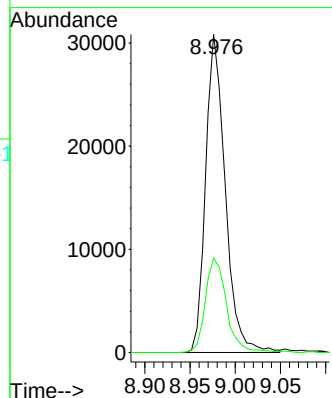
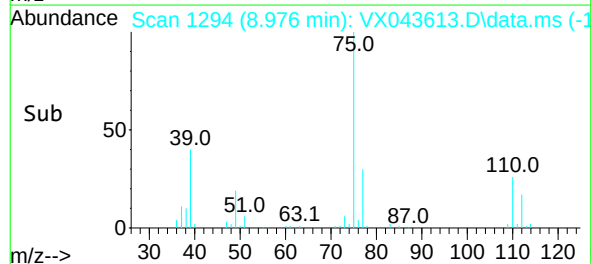
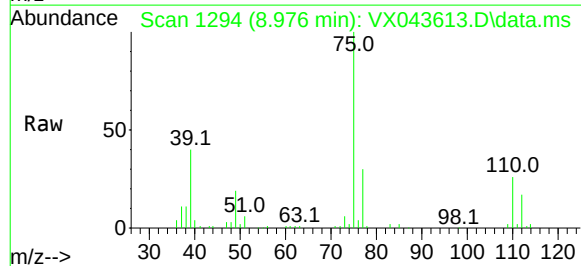
Acq: 30 Oct 2024 10:56

Tgt Ion: 75 Resp: 46488

Ion Ratio Lower Upper

75 100

77 29.6 26.0 39.0



Instrument :

MSVOA_X

ClientSampleId :

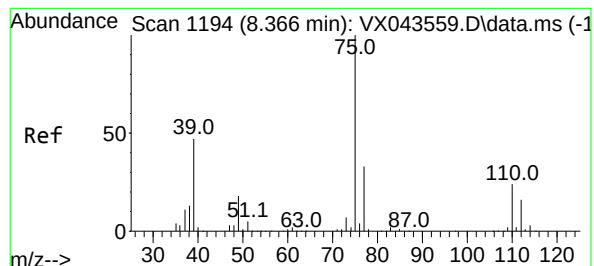
VX1030WBS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#54

cis-1,3-Dichloropropene

Concen: 19.511 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

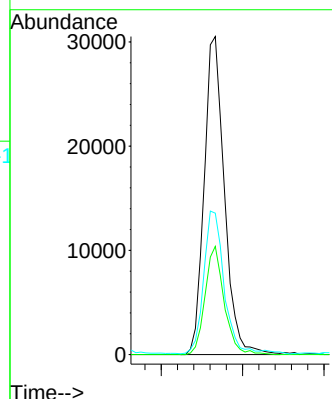
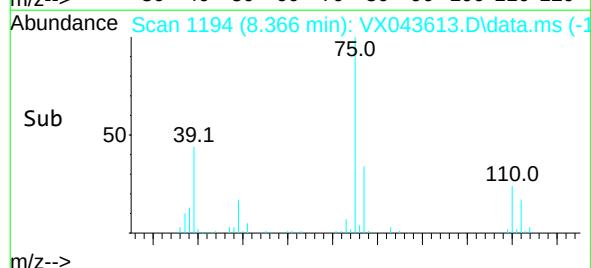
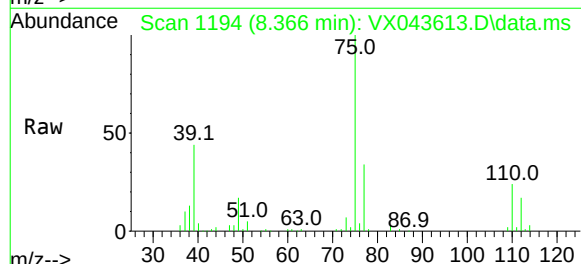
Tgt Ion: 75 Resp: 52745

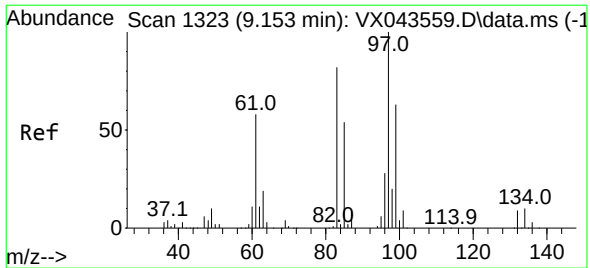
Ion Ratio Lower Upper

75 100

77 34.0 24.8 37.2

39 44.2 37.7 56.5





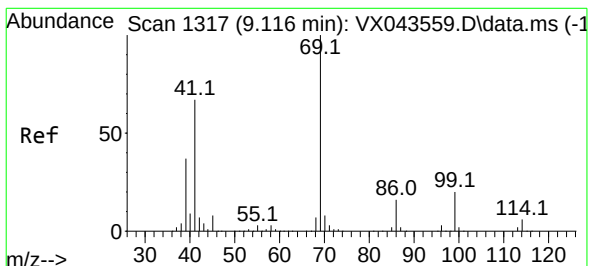
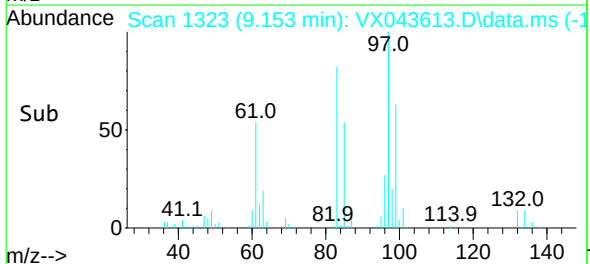
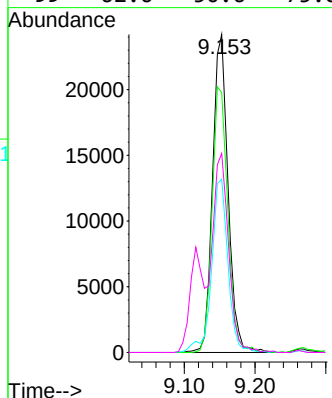
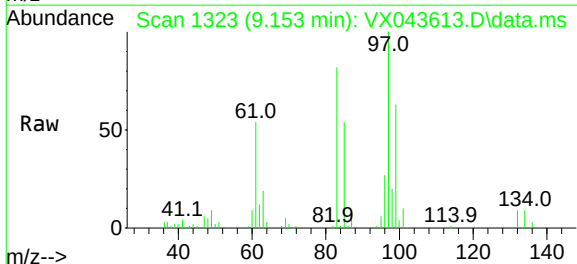
#55
1,1,2-Trichloroethane
Concen: 20.499 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:	97	Resp:	36754
Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.3	100.9
85	54.5	43.6	65.4
99	62.6	50.6	75.8

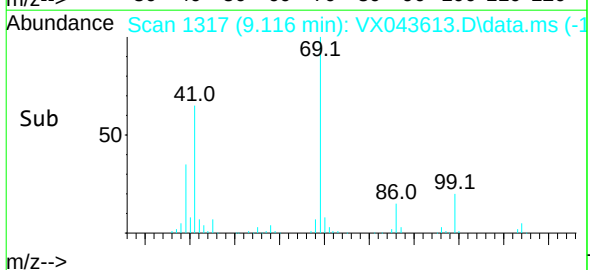
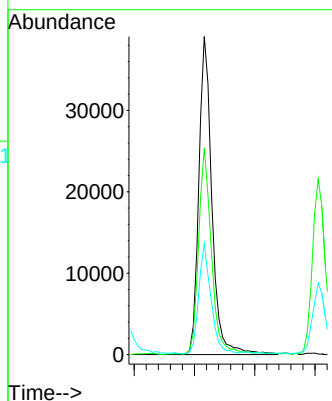
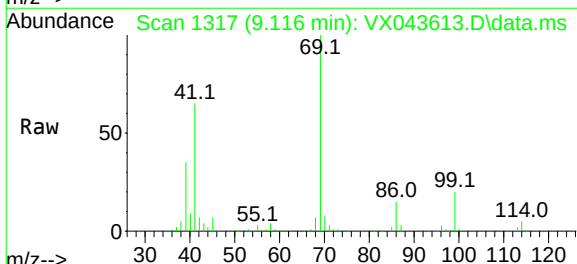
Manual Integrations
APPROVED

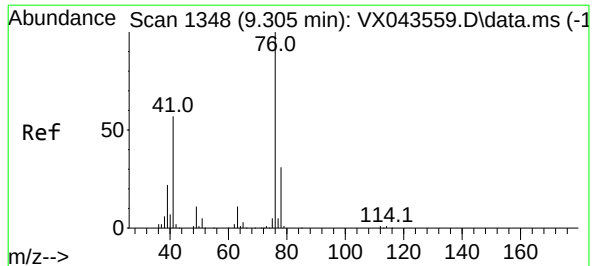
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#56
Ethyl methacrylate
Concen: 20.253 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:	69	Resp:	59004
Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.8	80.8
39	32.2	29.9	44.9





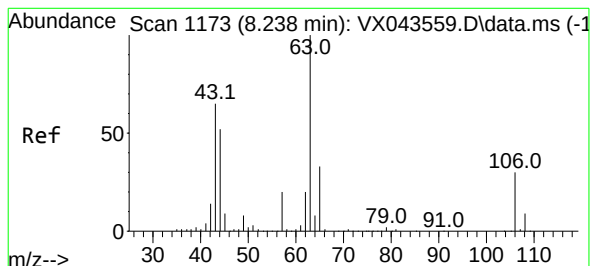
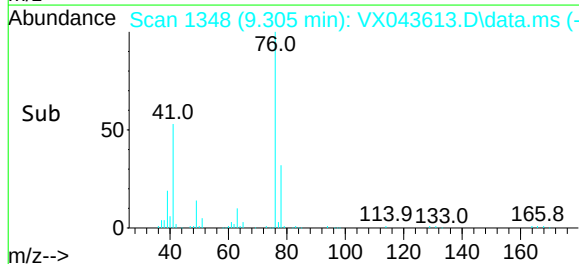
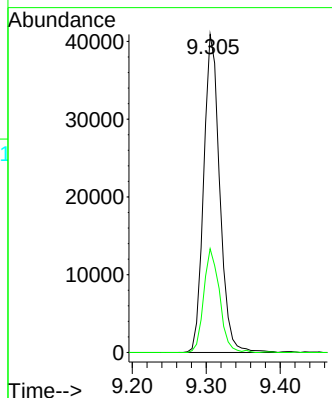
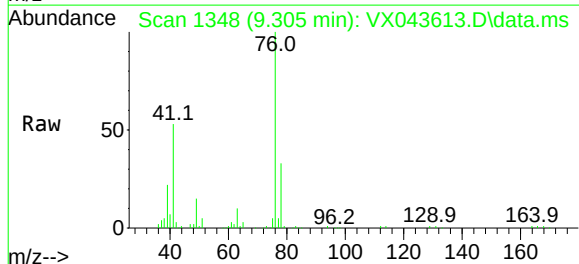
#57
1,3-Dichloropropane
Concen: 20.664 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 76 Resp: 61622
Ion Ratio Lower Upper
76 100
78 32.2 25.9 38.9

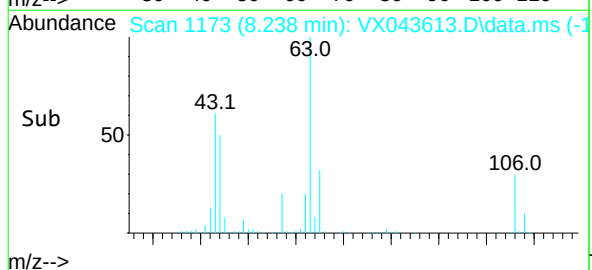
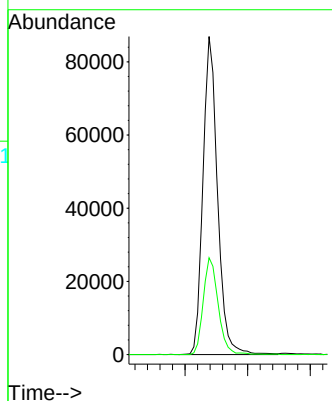
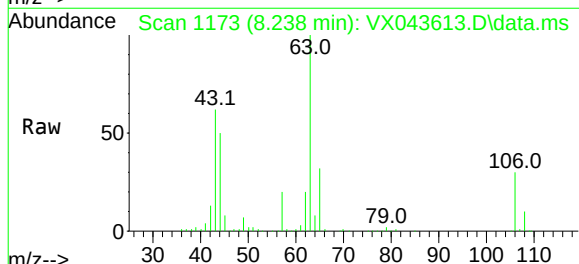
Manual Integrations
APPROVED

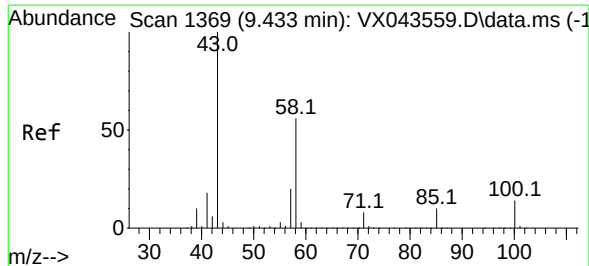
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#58
2-Chloroethyl Vinyl ether
Concen: 99.511 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 63 Resp: 140409
Ion Ratio Lower Upper
63 100
106 31.2 23.6 35.4





#59

2-Hexanone

Concen: 103.864 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 205521

Ion Ratio Lower Upper

43 100

58 56.8 27.5 82.5

Instrument :

MSVOA_X

ClientSampleId :

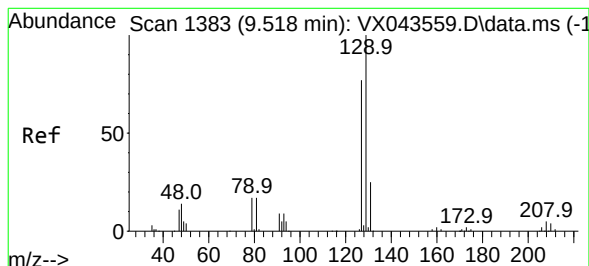
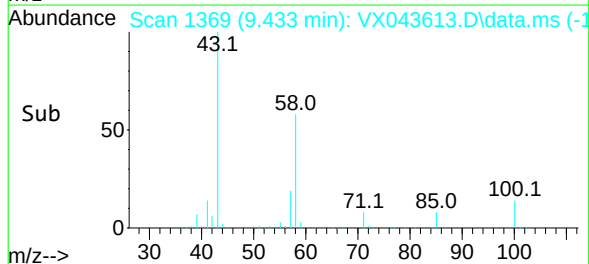
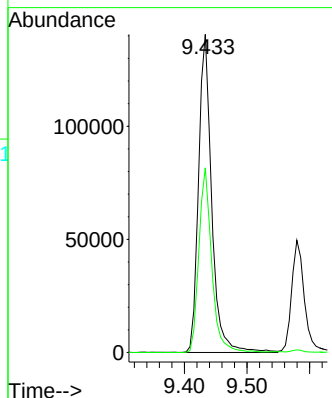
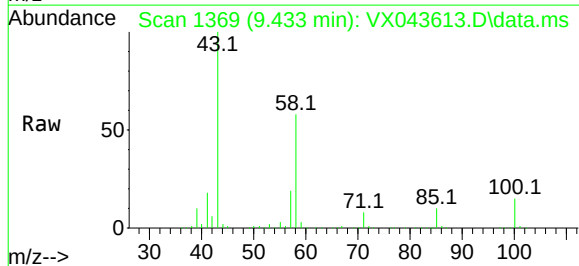
VX1030WBS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#60

Dibromochloromethane

Concen: 19.450 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043613.D

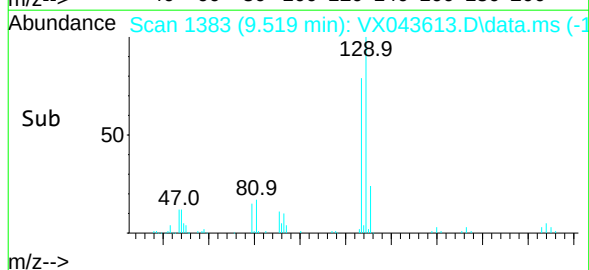
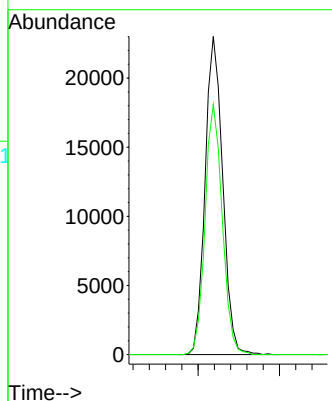
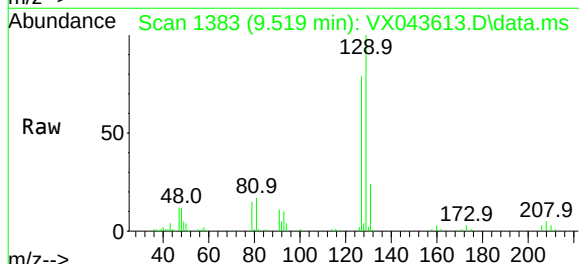
Acq: 30 Oct 2024 10:56

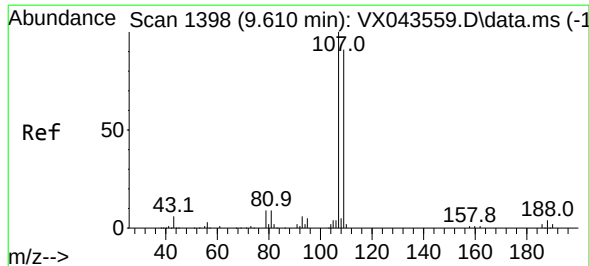
Tgt Ion:129 Resp: 34532

Ion Ratio Lower Upper

129 100

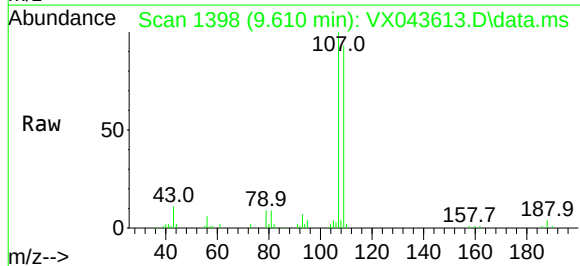
127 76.9 38.4 115.1





#61
1,2-Dibromoethane
Concen: 20.500 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

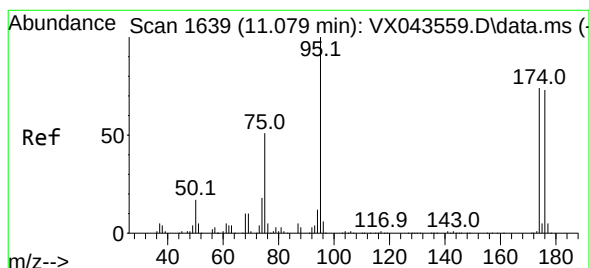
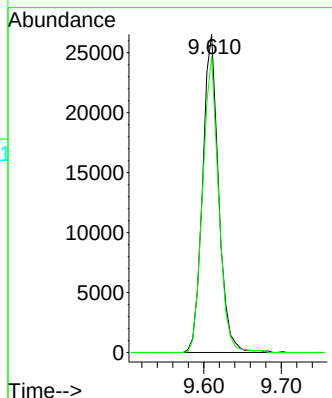
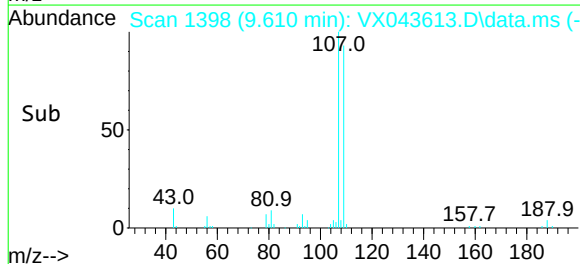
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01



Tgt Ion: 107 Resp: 38155
Ion Ratio Lower Upper
107 100
109 93.2 77.1 115.7

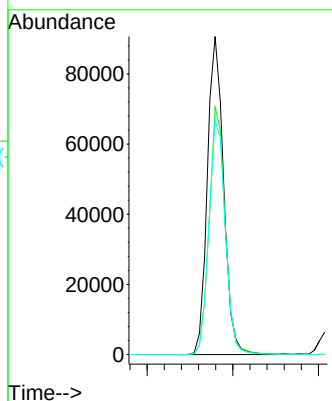
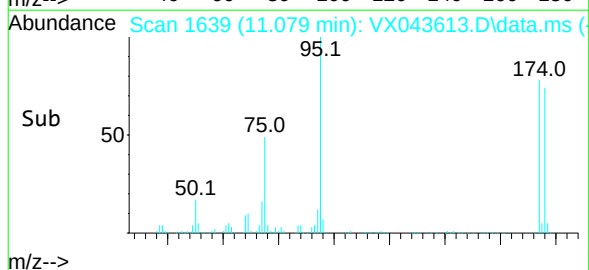
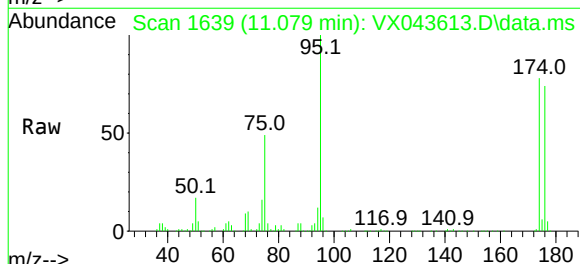
Manual Integrations
APPROVED

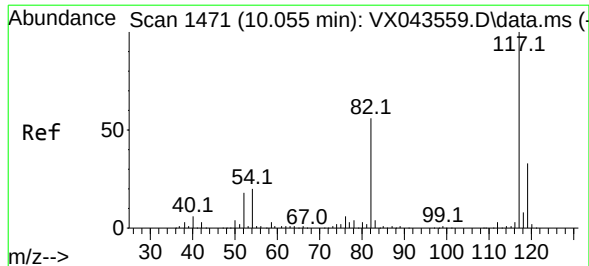
Reviewed By : Semsettin Yesilyurt 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#62
4-Bromofluorobenzene
Concen: 51.829 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 95 Resp: 119367
Ion Ratio Lower Upper
95 100
174 76.4 0.0 146.6
176 74.5 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

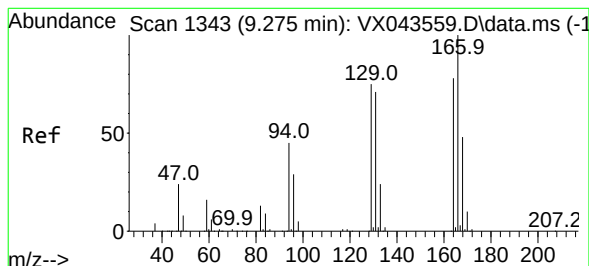
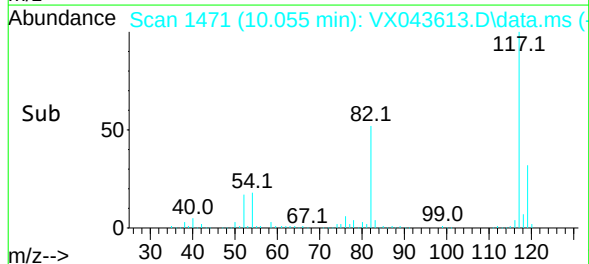
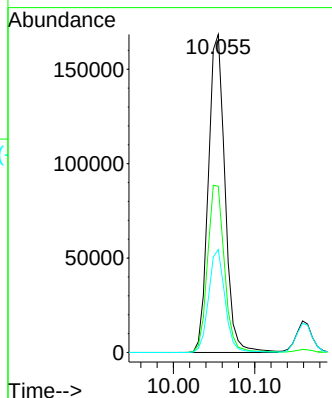
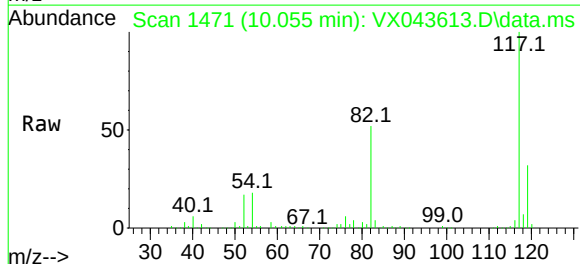
VX1030WBS01

Tgt Ion:	117	Resp:	239021
Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.1	63.1
119	32.3	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#64

Tetrachloroethene

Concen: 19.064 ug/l

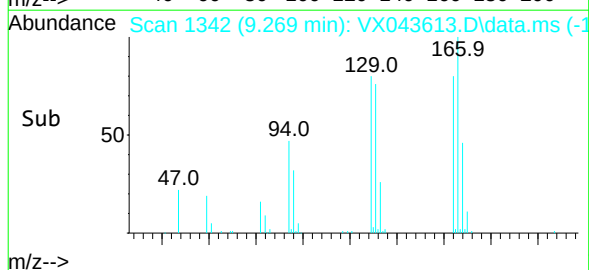
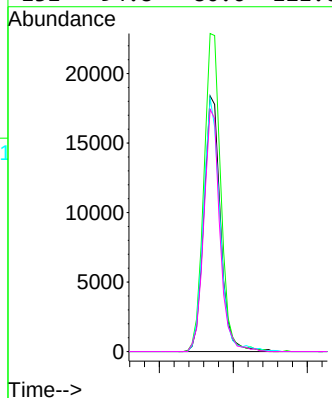
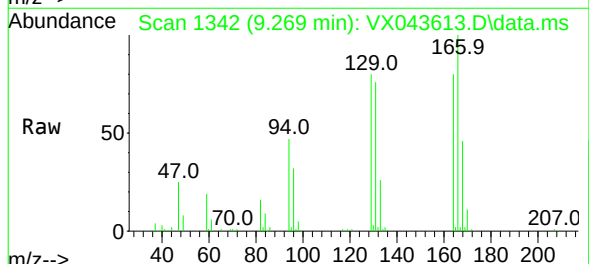
RT: 9.269 min Scan# 1342

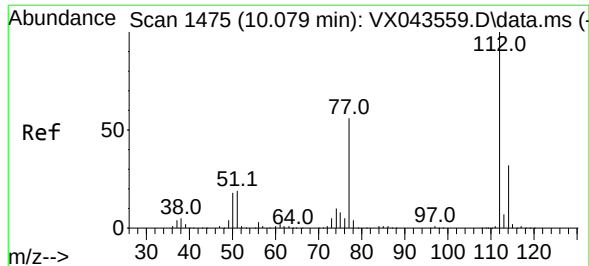
Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt Ion:	164	Resp:	28659
Ion	Ratio	Lower	Upper
164	100		
166	124.4	103.8	155.6
129	99.2	83.8	125.6
131	94.8	80.6	121.0





#65

Chlorobenzene

Concen: 19.456 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion:112 Resp: 100050

Ion Ratio Lower Upper

112 100

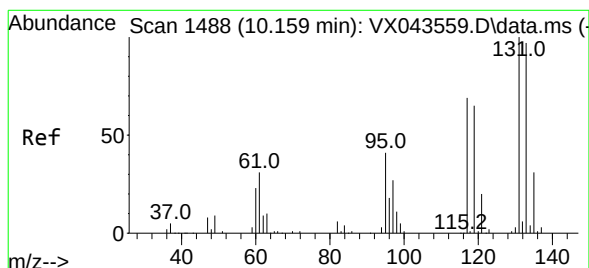
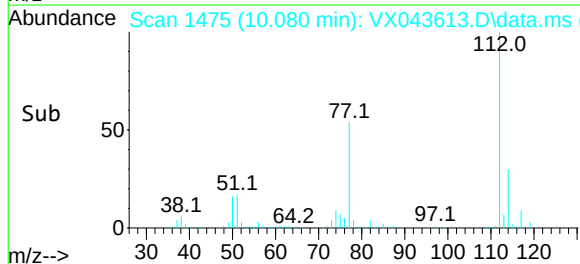
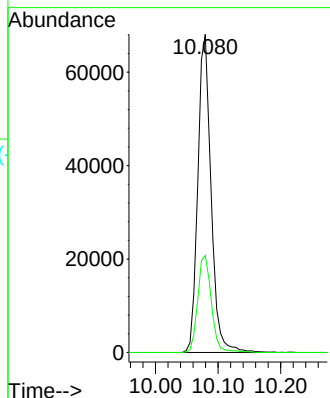
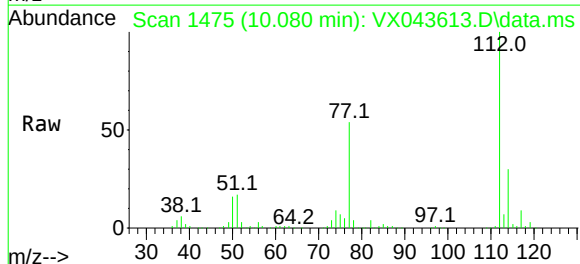
114 30.5 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 19.571 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

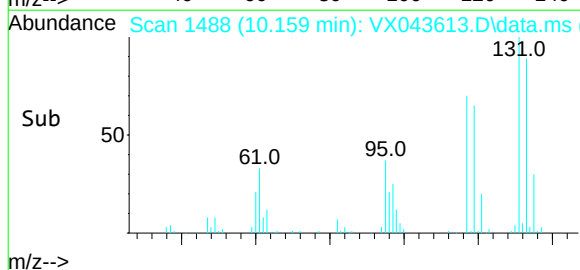
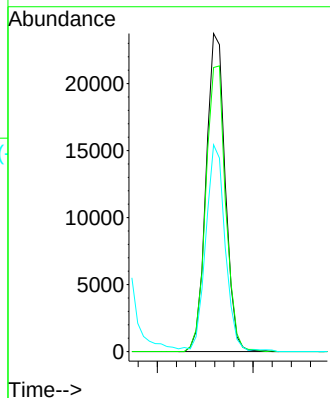
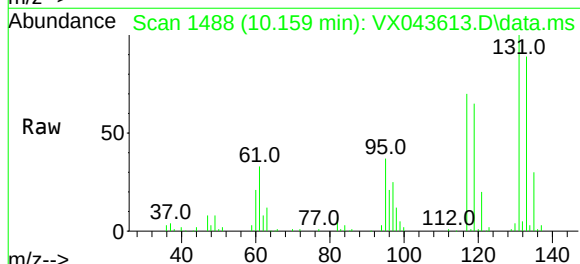
Tgt Ion:131 Resp: 32872

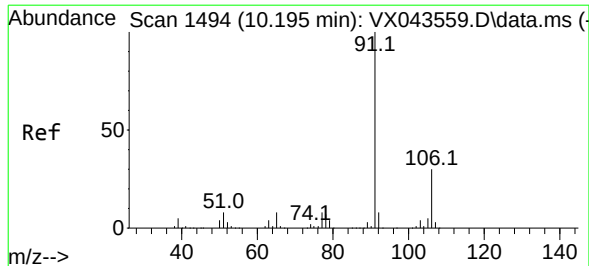
Ion Ratio Lower Upper

131 100

133 93.4 48.0 144.0

119 64.5 32.3 96.9





#67

Ethyl Benzene

Concen: 18.976 ug/l

RT: 10.189 min Scan# 1494

Delta R.T. -0.006 min

Lab File: VX043613.D

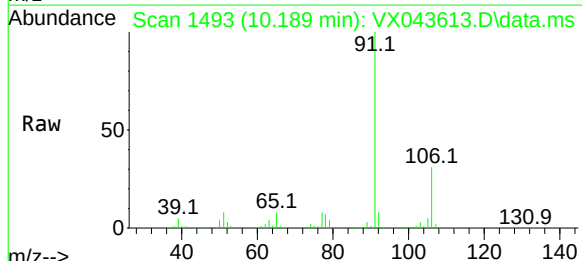
Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01



Tgt Ion: 91 Resp: 159115

Ion Ratio Lower Upper

91 100

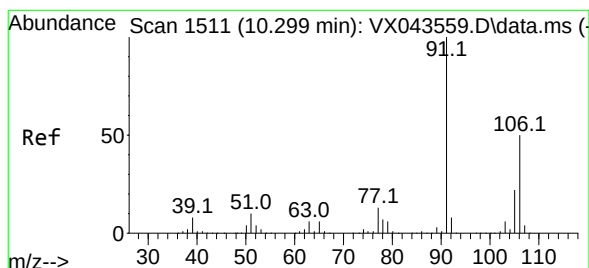
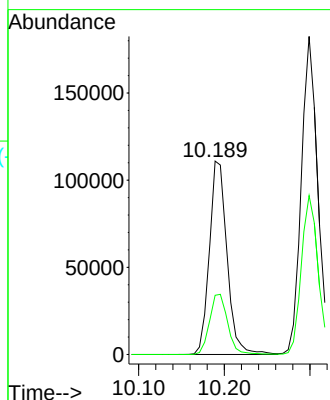
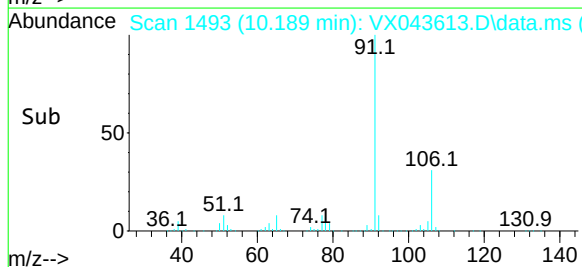
106 30.6 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#68

m/p-Xylenes

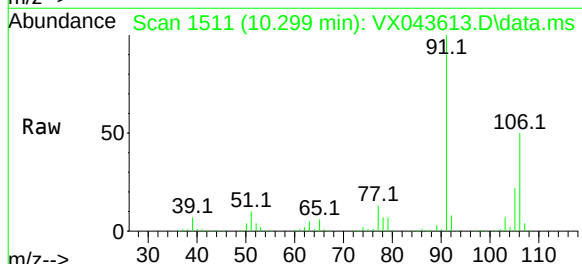
Concen: 39.374 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

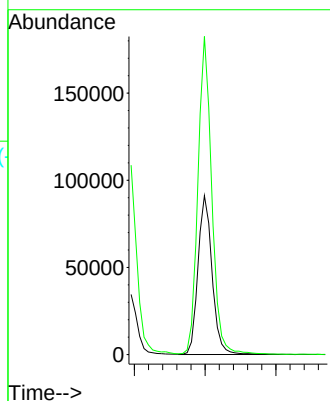
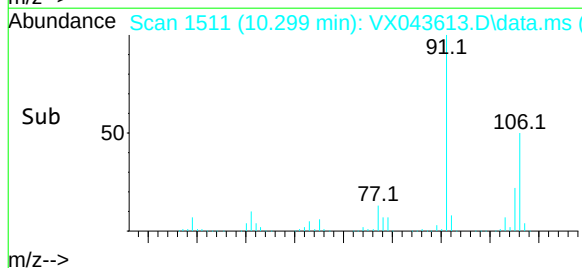


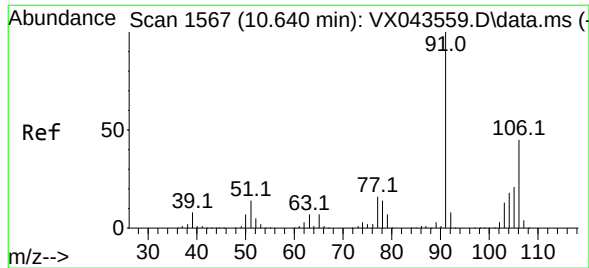
Tgt Ion:106 Resp: 126258

Ion Ratio Lower Upper

106 100

91 196.0 164.7 247.1





#69

o-Xylene

Concen: 20.088 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion:106 Resp: 64722

Ion Ratio Lower Upper

106 100

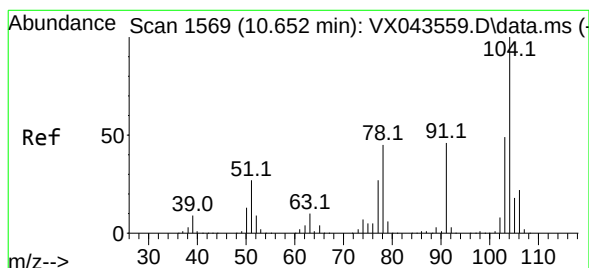
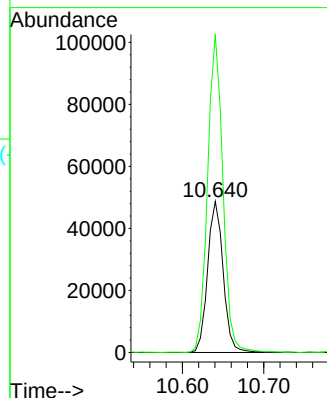
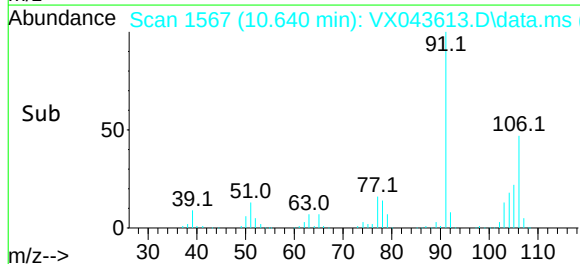
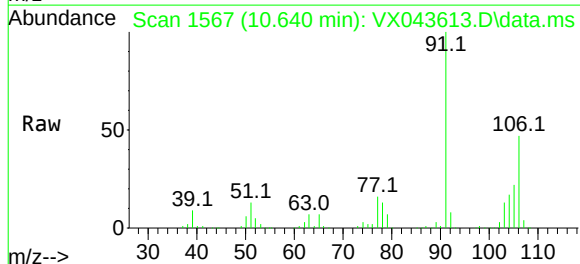
91 207.2 107.9 323.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#70

Styrene

Concen: 20.202 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

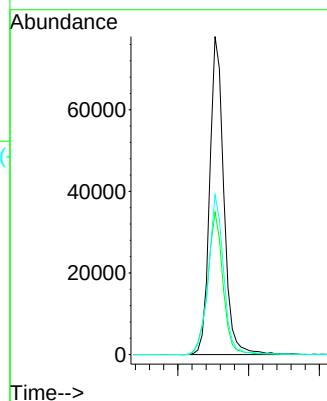
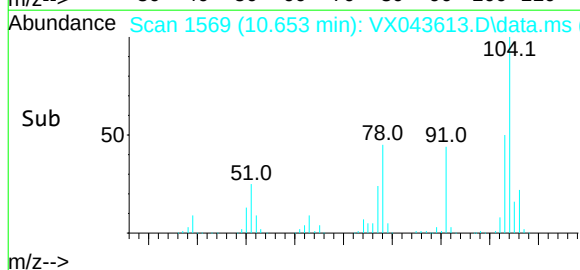
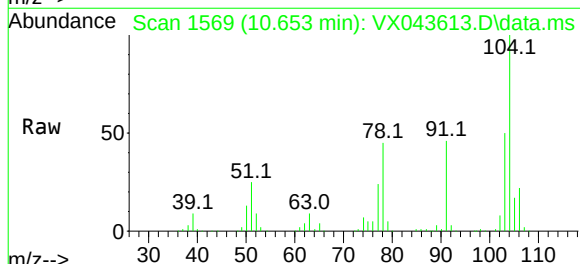
Tgt Ion:104 Resp: 108183

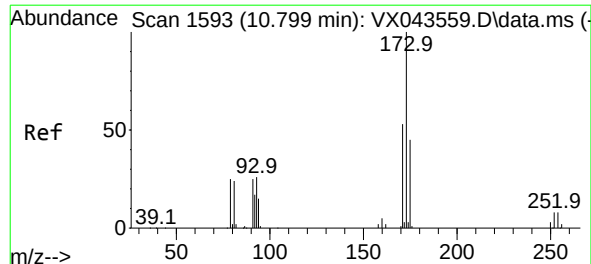
Ion Ratio Lower Upper

104 100

78 48.7 40.0 60.0

103 54.0 43.4 65.0





#71

Bromoform

Concen: 18.241 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

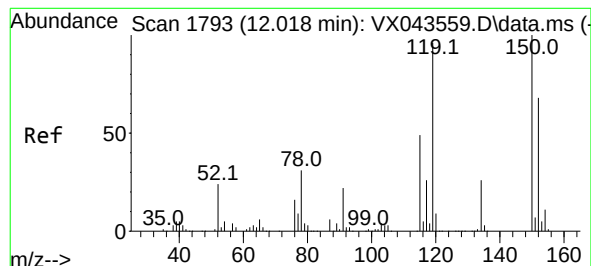
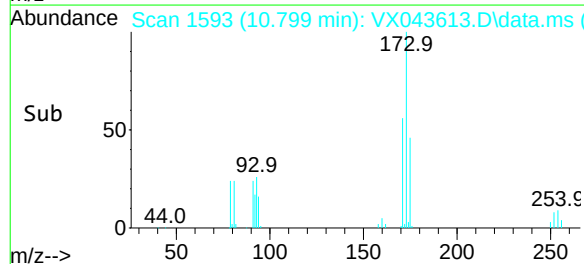
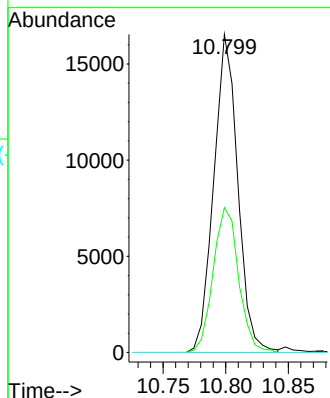
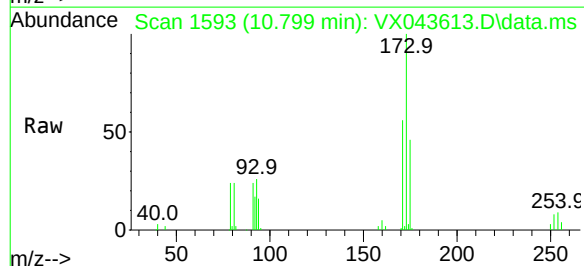
VX1030WBS01

Tgt Ion:	173	Resp:	22030
Ion Ratio	Lower	Upper	
173	100		
175	48.3	23.3	69.9
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

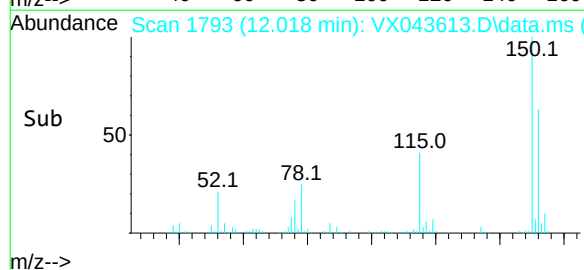
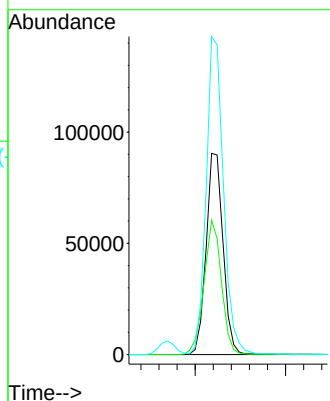
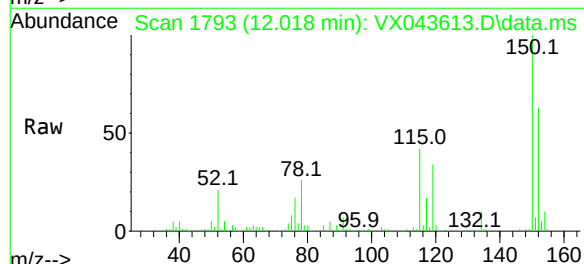
RT: 12.018 min Scan# 1793

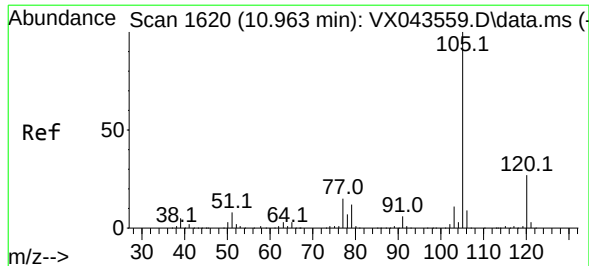
Delta R.T. -0.006 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt Ion:	152	Resp:	117960
Ion Ratio	Lower	Upper	
152	100		
115	68.6	42.9	128.7
150	161.2	0.0	343.6





#73

Isopropylbenzene

Concen: 18.755 ug/l

RT: 10.964 min Scan# 16

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 105 Resp: 156713

Ion Ratio Lower Upper

105 100

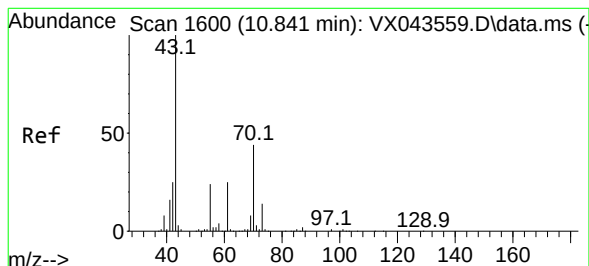
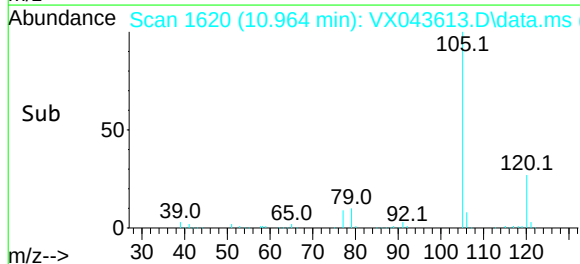
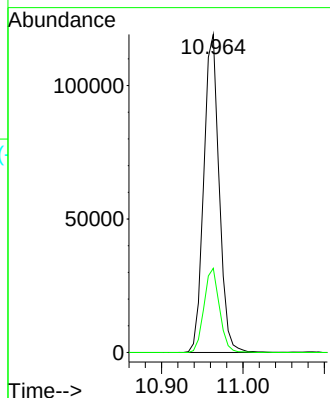
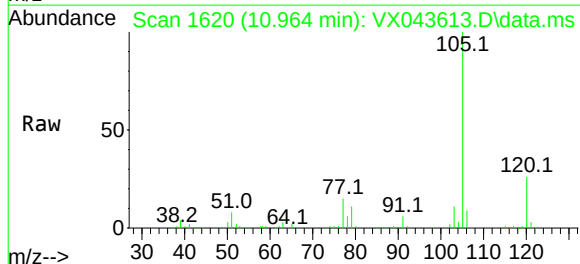
120 26.6 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#74

N-ethyl acetate

Concen: 18.089 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 73630

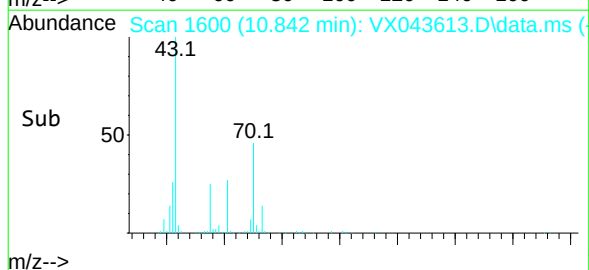
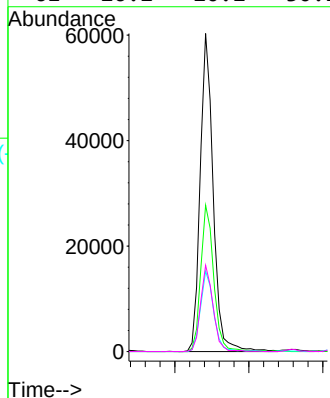
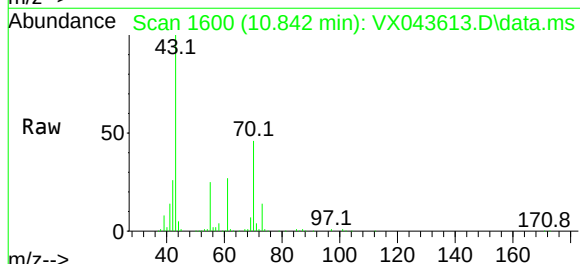
Ion Ratio Lower Upper

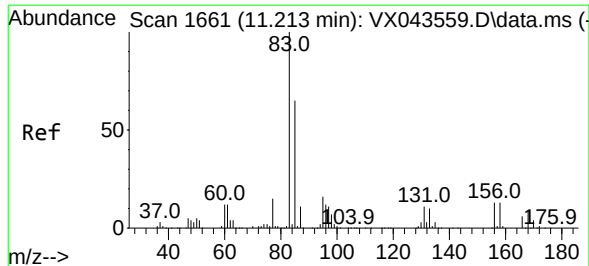
43 100

70 46.3 34.6 52.0

55 25.6 19.6 29.4

61 26.2 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.391 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

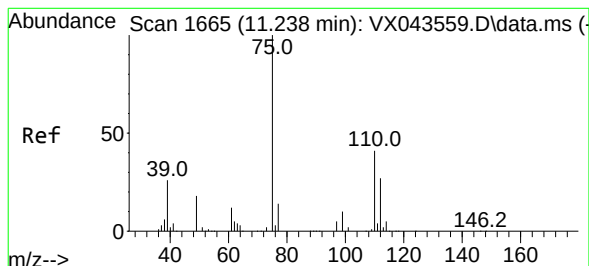
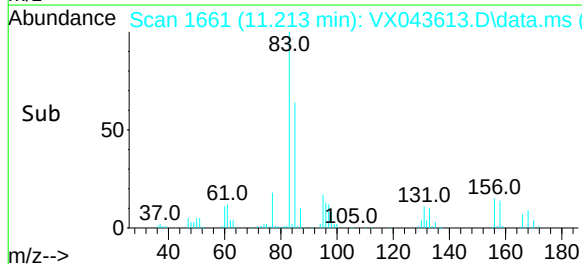
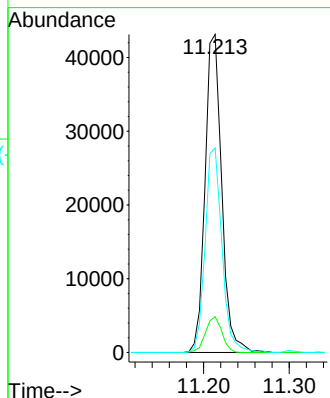
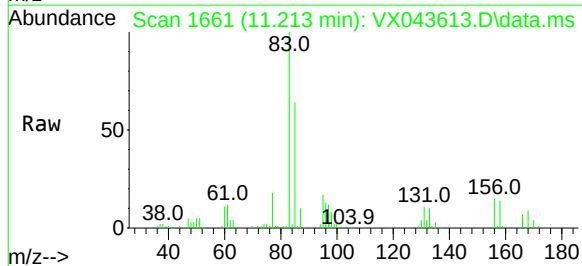
VX1030WBS01

Tgt Ion:	83	Resp:	58265
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.3	15.9
85	65.1	32.4	97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#76

1,2,3-Trichloropropane

Concen: 18.797 ug/l m

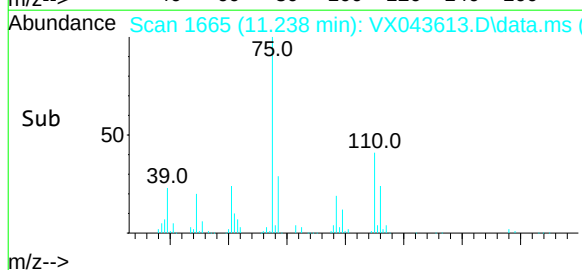
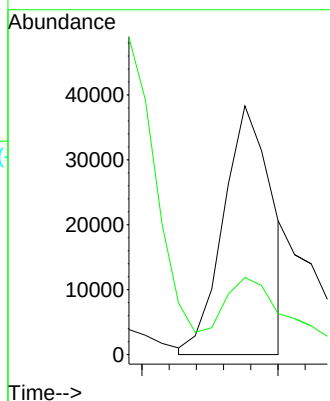
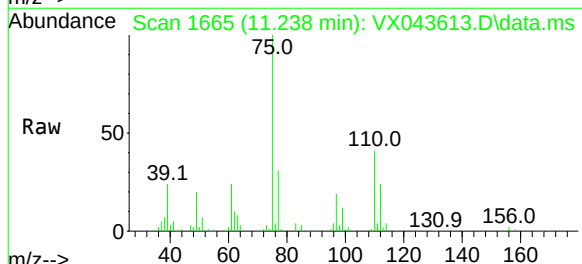
RT: 11.238 min Scan# 1665

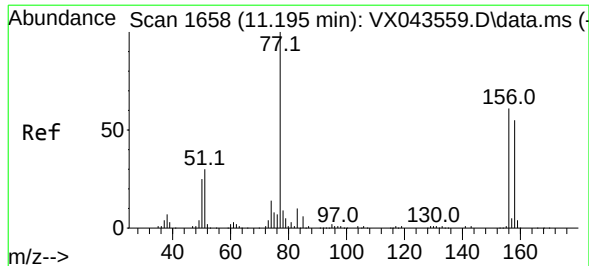
Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt Ion:	75	Resp:	47409
Ion Ratio	Lower	Upper	
75	100		
77	43.5	22.4	67.2





#77

Bromobenzene

Concen: 19.565 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion:156 Resp: 42214

Ion Ratio Lower Upper

156 100

77 150.8 79.7 239.1

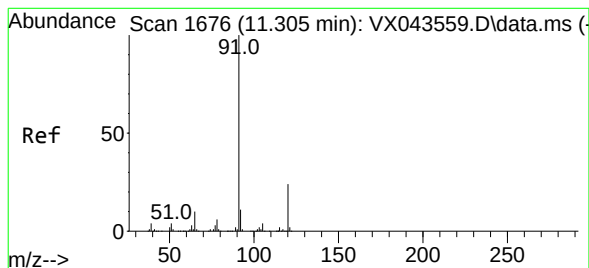
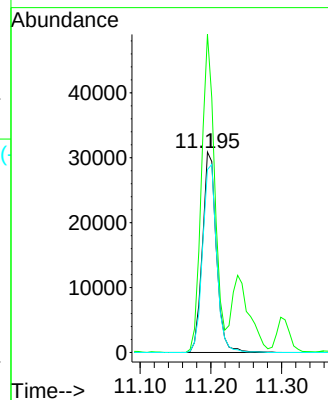
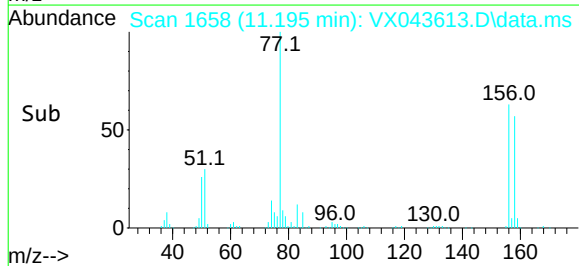
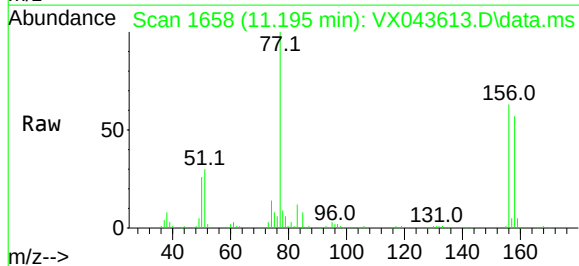
158 94.9 48.0 144.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#78

n-propylbenzene

Concen: 18.977 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX043613.D

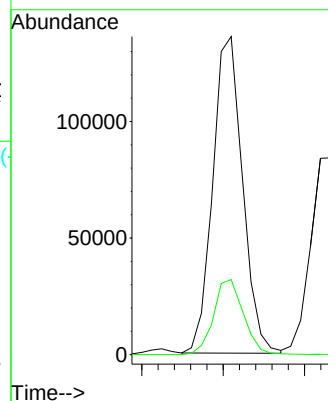
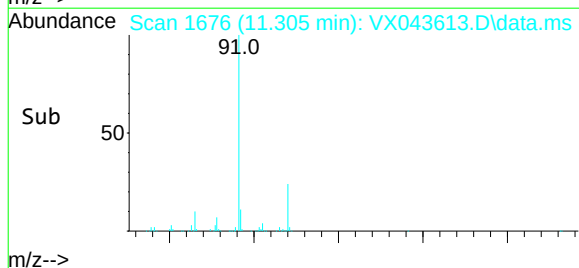
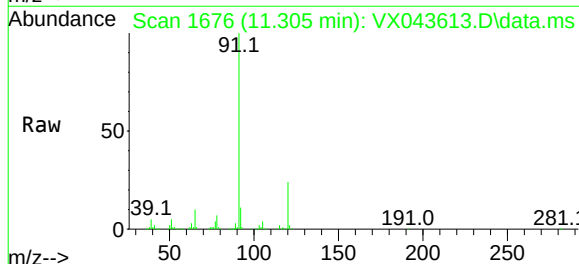
Acq: 30 Oct 2024 10:56

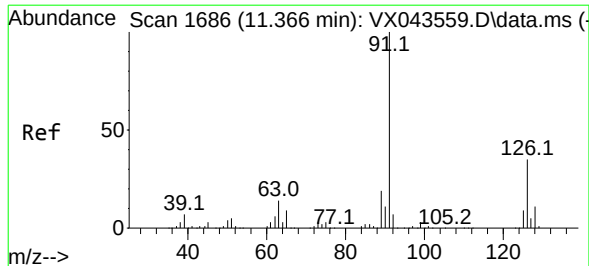
Tgt Ion: 91 Resp: 172894

Ion Ratio Lower Upper

91 100

120 23.8 11.6 34.7





#79

2-Chlorotoluene

Concen: 18.584 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 91 Resp: 112270

Ion Ratio Lower Upper

91 100

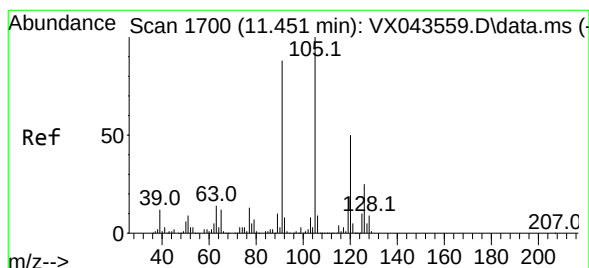
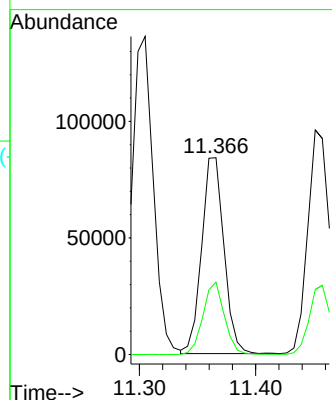
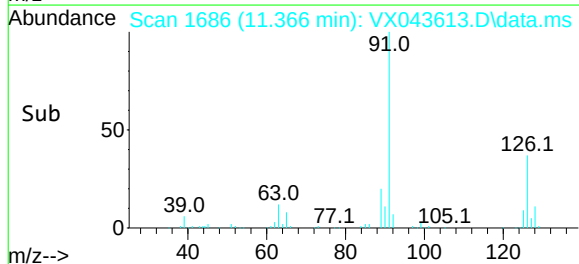
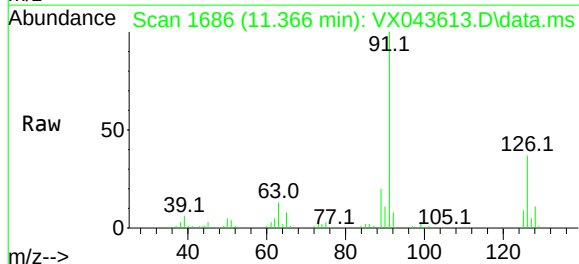
126 35.4 16.7 50.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#80

1,3,5-Trimethylbenzene

Concen: 19.257 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043613.D

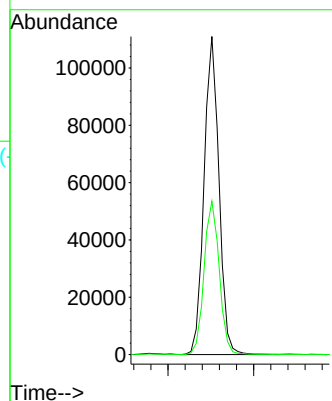
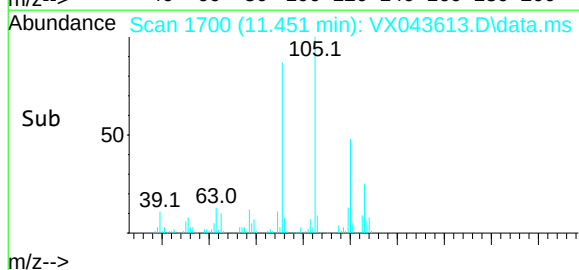
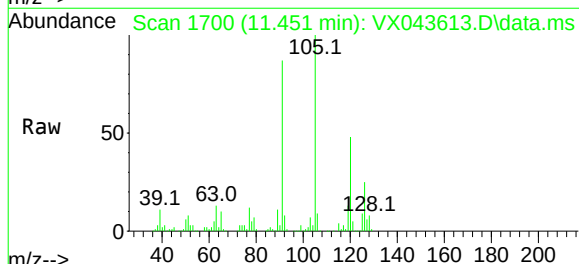
Acq: 30 Oct 2024 10:56

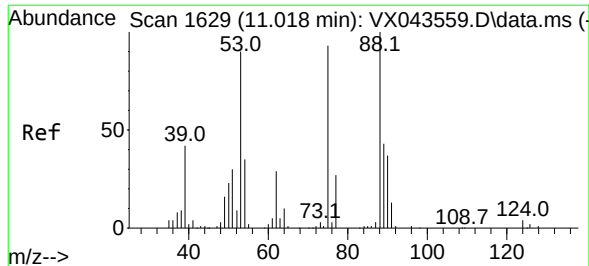
Tgt Ion:105 Resp: 134164

Ion Ratio Lower Upper

105 100

120 49.1 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 17.148 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 75 Resp: 15721

Ion Ratio Lower Upper

75 100

53 111.6 84.6 126.8

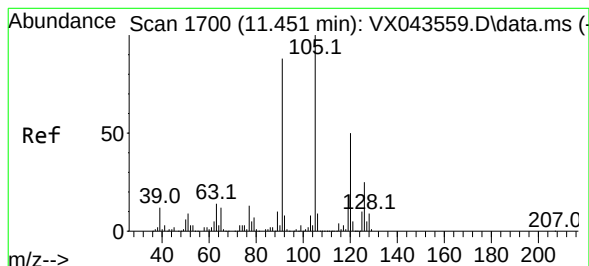
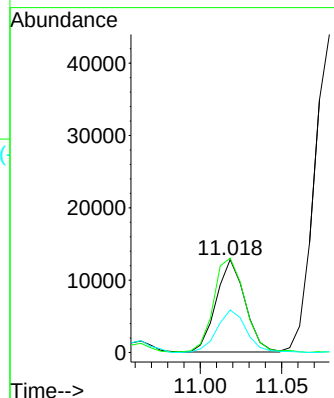
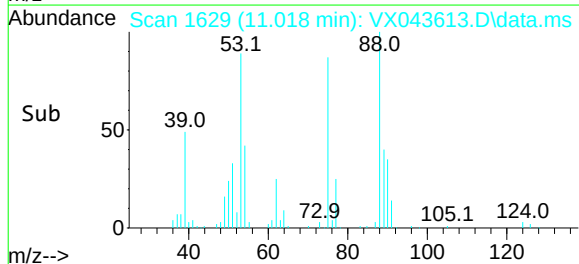
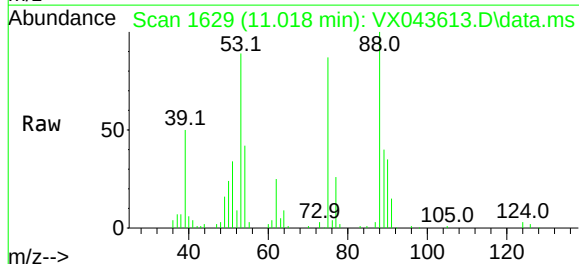
89 47.5 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#82

4-Chlorotoluene

Concen: 18.933 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043613.D

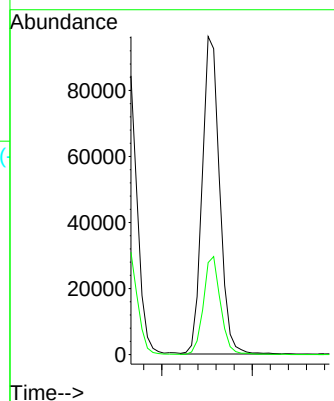
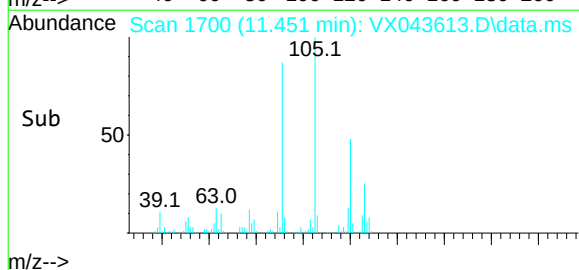
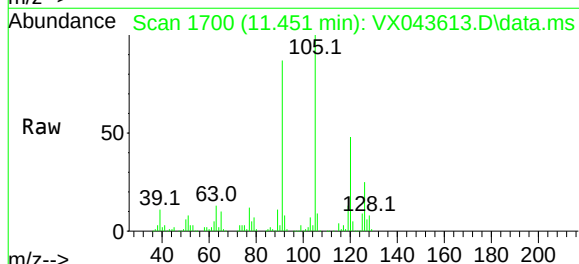
Acq: 30 Oct 2024 10:56

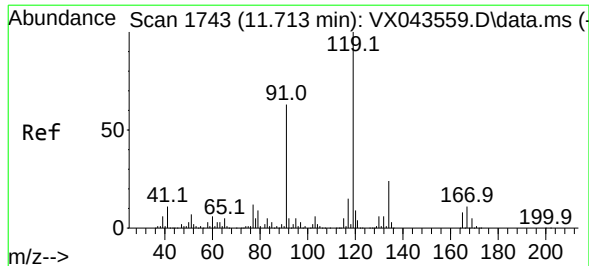
Tgt Ion: 91 Resp: 128383

Ion Ratio Lower Upper

91 100

126 30.5 14.2 42.8





#83

tert-Butylbenzene

Concen: 18.972 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion:119 Resp: 134426

Ion Ratio Lower Upper

119 100

91 58.1 29.5 88.5

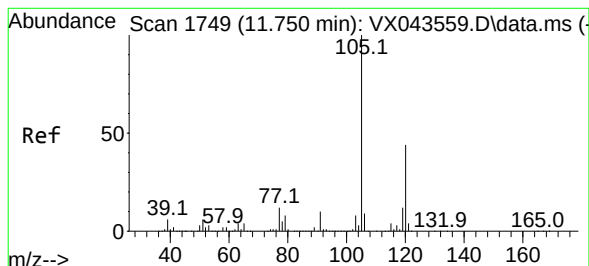
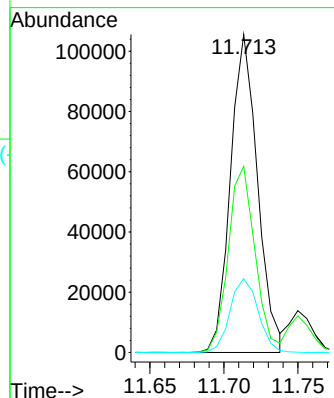
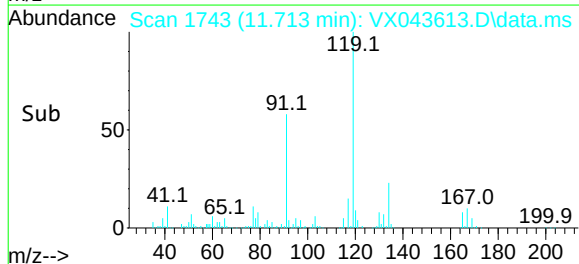
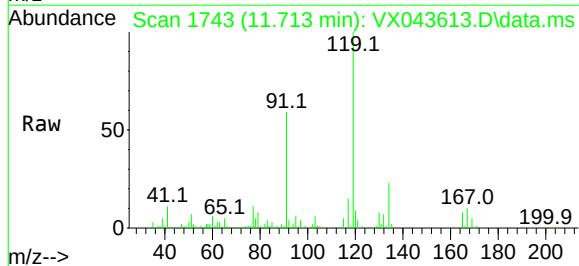
134 24.1 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#84

1,2,4-Trimethylbenzene

Concen: 19.234 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043613.D

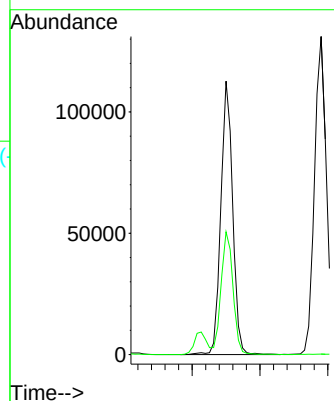
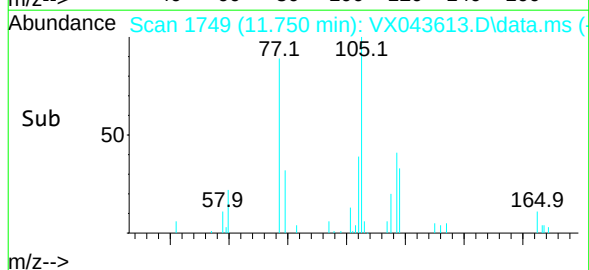
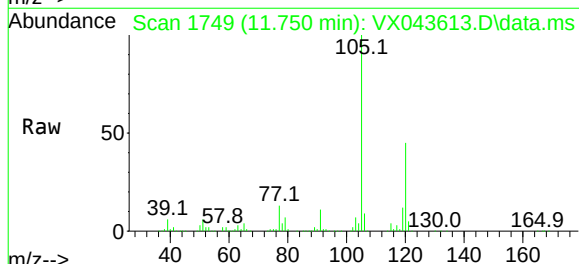
Acq: 30 Oct 2024 10:56

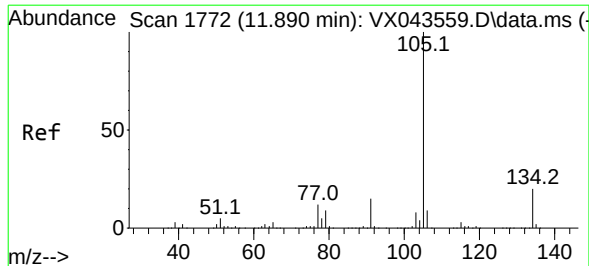
Tgt Ion:105 Resp: 136562

Ion Ratio Lower Upper

105 100

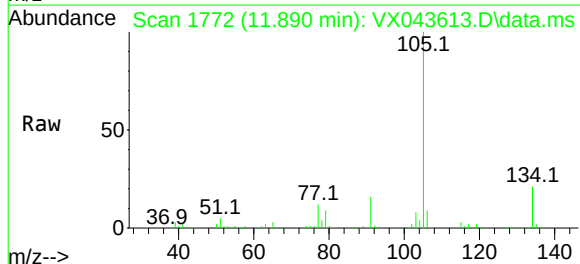
120 45.8 22.1 66.1





#85
sec-Butylbenzene
Concen: 19.331 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

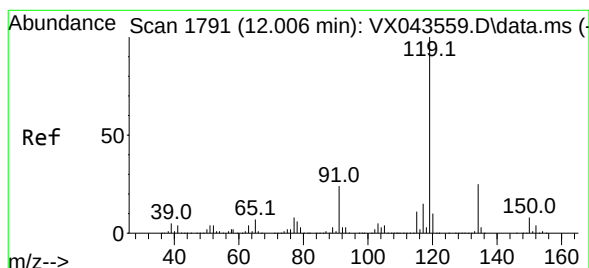
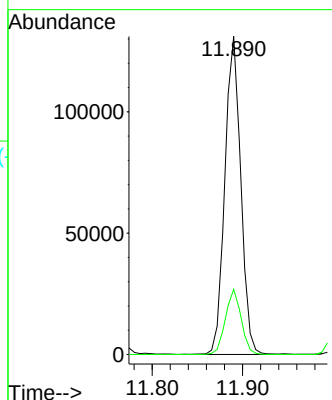
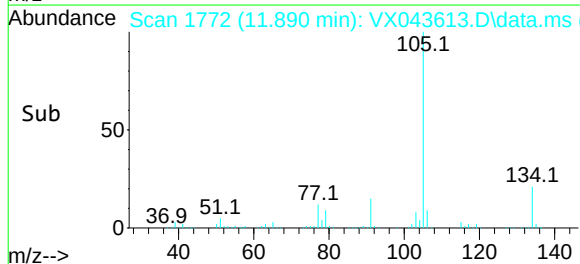
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01



Tgt Ion:105 Resp: 160544
Ion Ratio Lower Upper
105 100
134 20.2 9.8 29.5

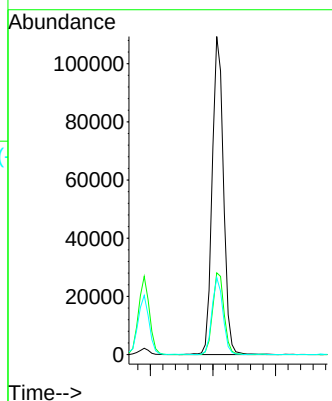
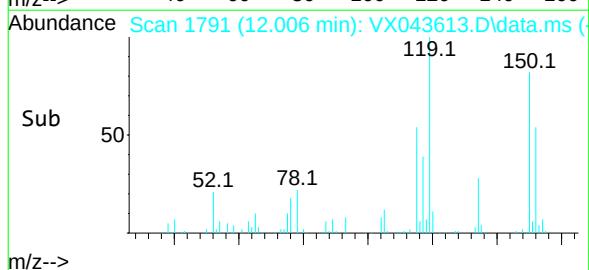
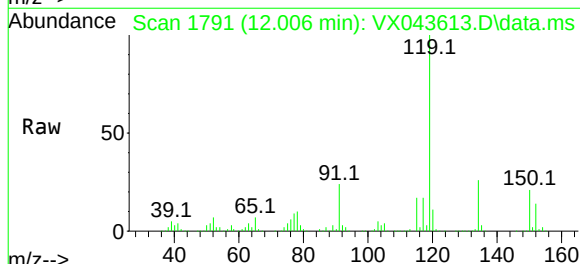
Manual Integrations
APPROVED

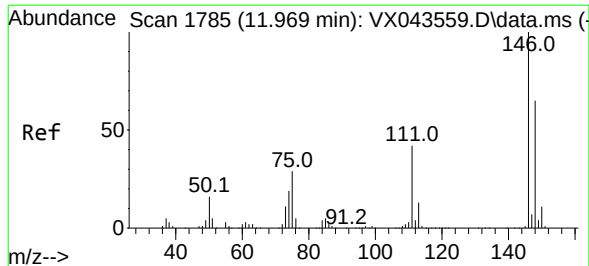
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#86
p-Isopropyltoluene
Concen: 19.389 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:119 Resp: 136876
Ion Ratio Lower Upper
119 100
134 25.9 13.1 39.1
91 23.6 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 19.047 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion:146 Resp: 73659

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.4

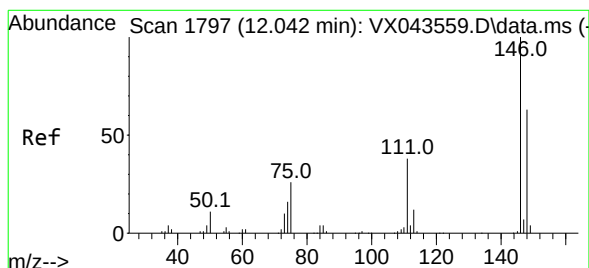
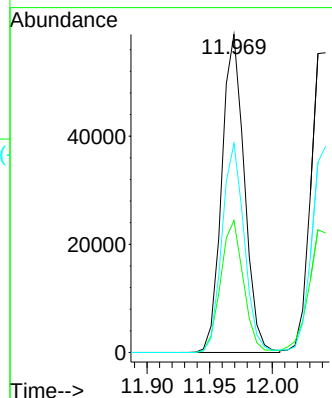
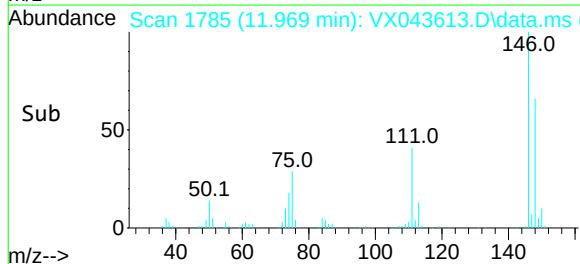
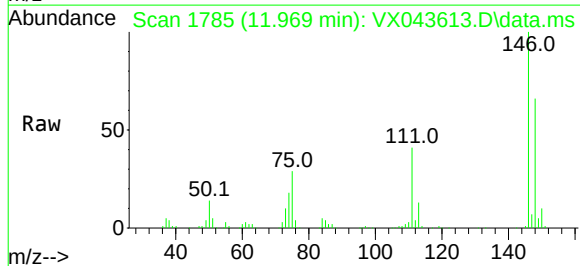
148 64.8 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#88

1,4-Dichlorobenzene

Concen: 18.970 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

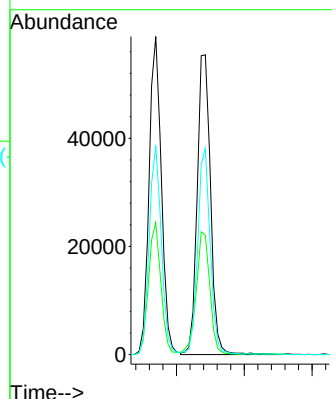
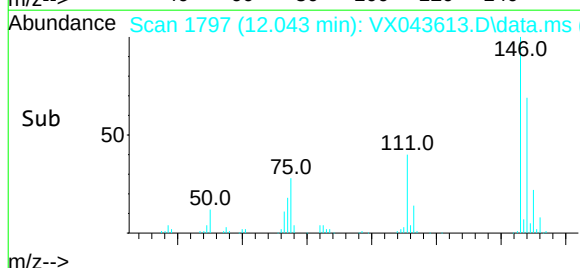
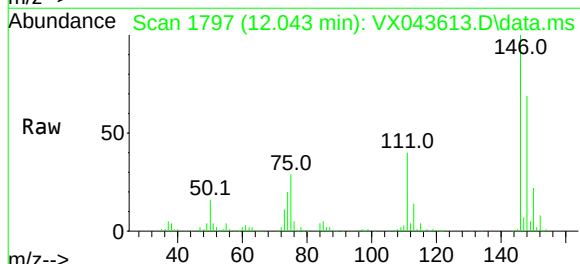
Tgt Ion:146 Resp: 76016

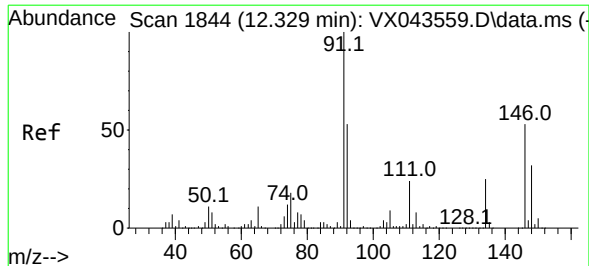
Ion Ratio Lower Upper

146 100

111 41.6 20.4 61.3

148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 19.018 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 91 Resp: 109400

Ion Ratio Lower Upper

91 100

92 54.4 27.1 81.2

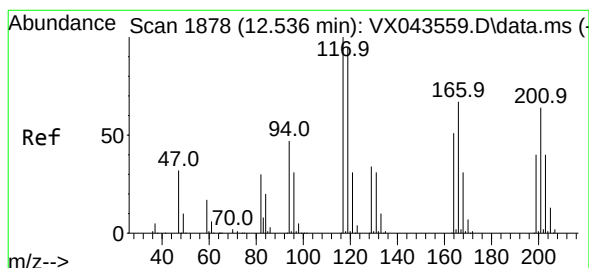
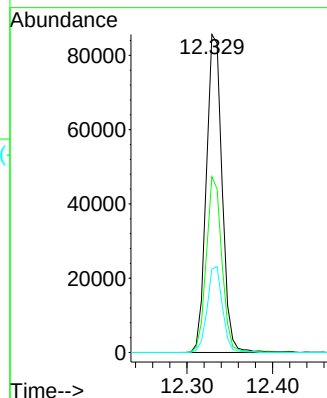
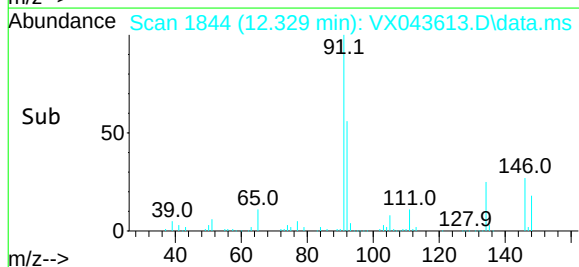
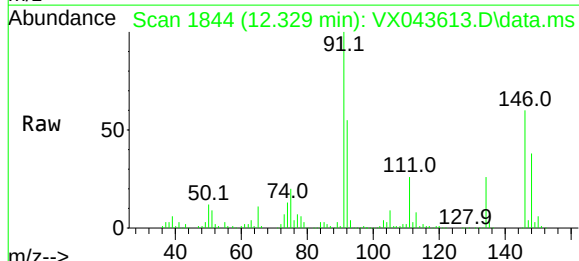
134 26.2 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#90

Hexachloroethane

Concen: 18.065 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043613.D

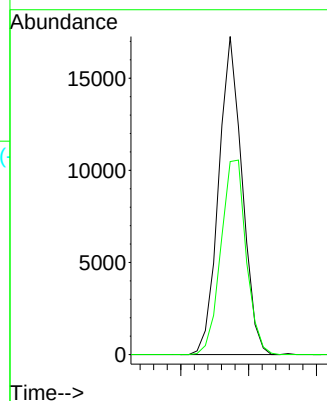
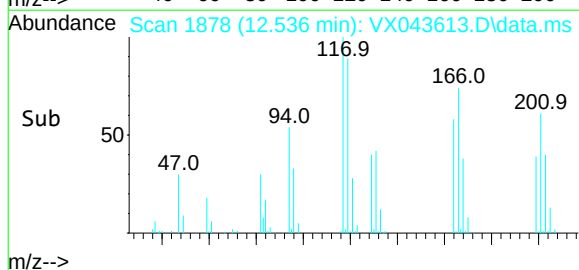
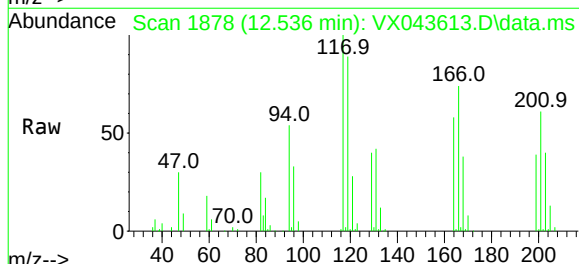
Acq: 30 Oct 2024 10:56

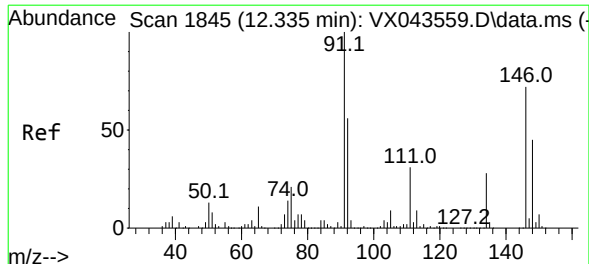
Tgt Ion:117 Resp: 20716

Ion Ratio Lower Upper

117 100

201 66.0 32.9 98.7





#91

1,2-Dichlorobenzene

Concen: 20.088 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

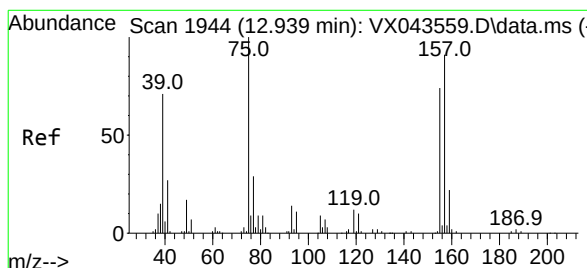
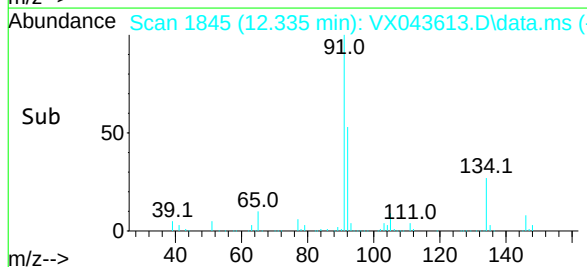
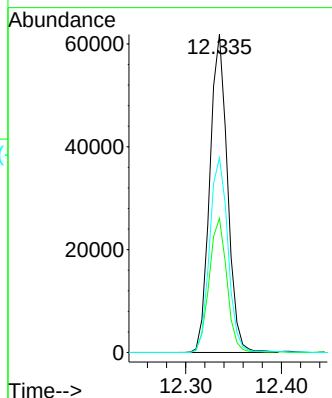
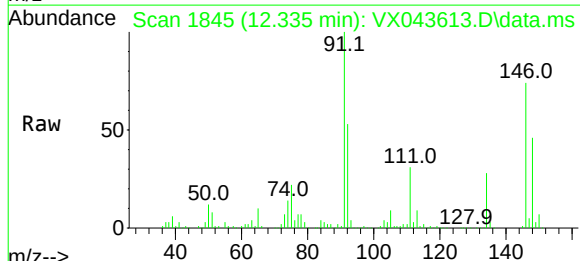
ClientSampleId :

VX1030WBS01

Tgt Ion:	146	Resp:	79439
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.6	64.6
148	63.8	31.6	95.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.599 ug/l

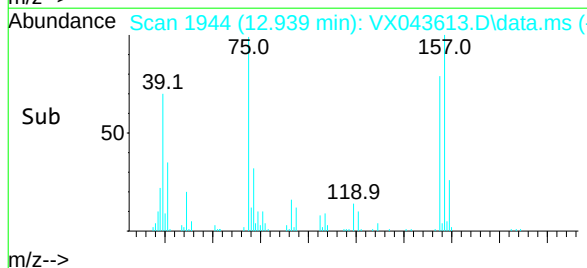
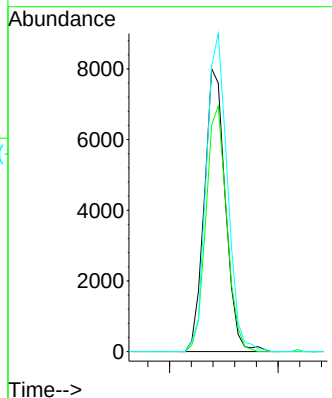
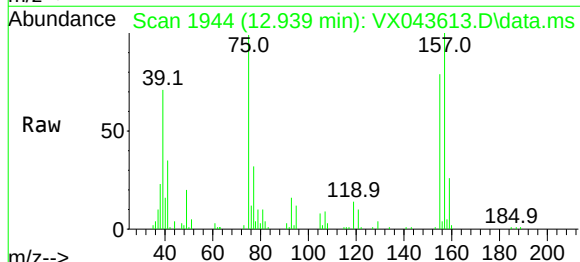
RT: 12.939 min Scan# 1944

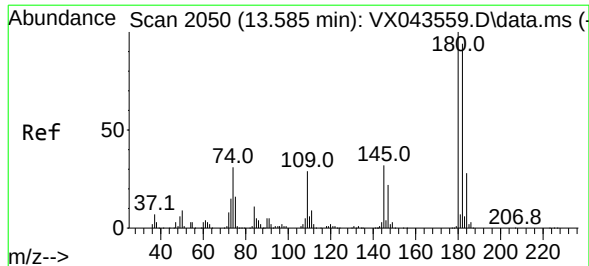
Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt Ion:	75	Resp:	10780
Ion Ratio	Lower	Upper	
75	100		
155	85.5	40.1	120.3
157	112.8	50.8	152.4





#93

1,2,4-Trichlorobenzene

Concen: 19.794 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

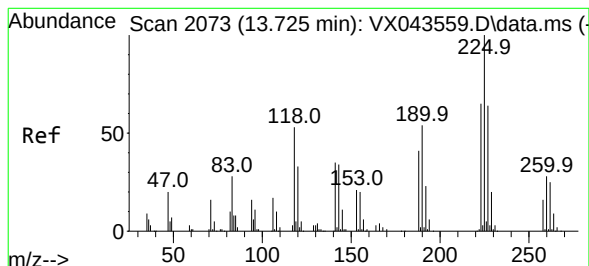
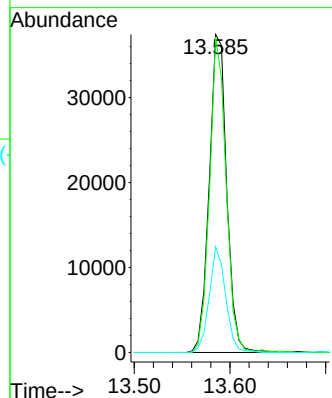
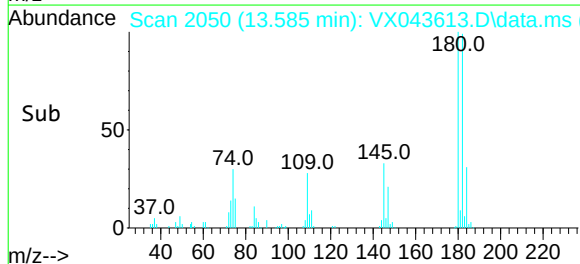
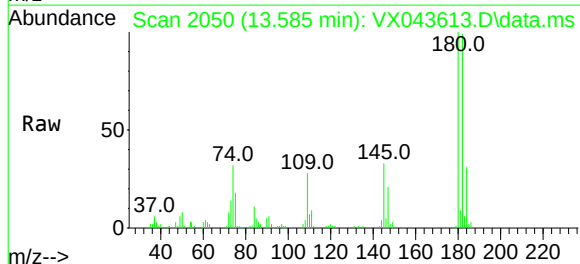
VX1030WBS01

Tgt	Ion:180	Resp:	47511
Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.8	140.4
145	31.2	16.1	48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#94

Hexachlorobutadiene

Concen: 19.168 ug/l

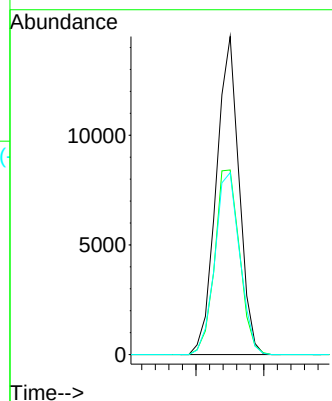
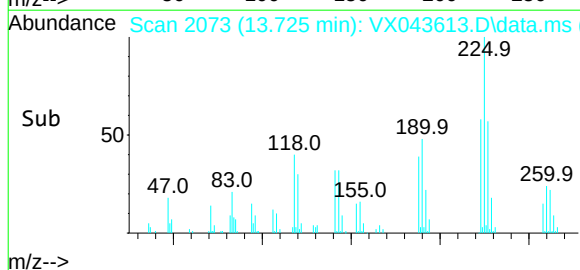
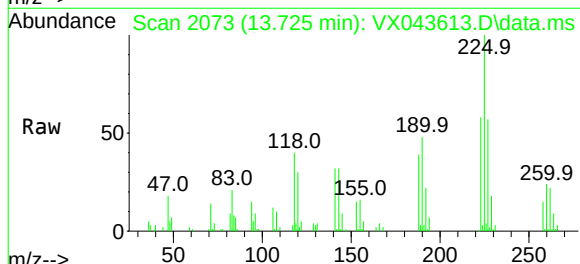
RT: 13.725 min Scan# 2073

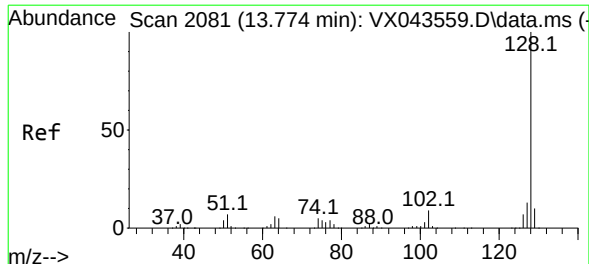
Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56

Tgt	Ion:225	Resp:	16964
Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.4
227	62.1	31.6	94.8





#95

Naphthalene

Concen: 19.576 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043613.D

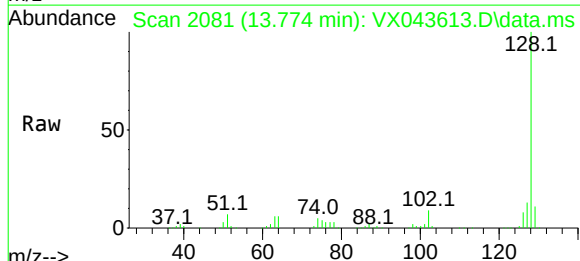
Acq: 30 Oct 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

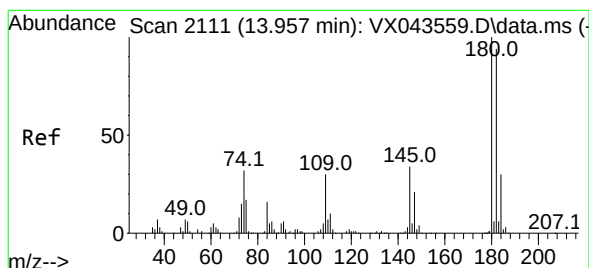
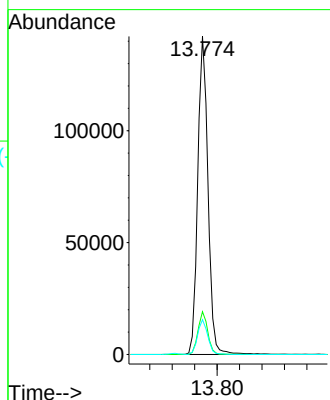
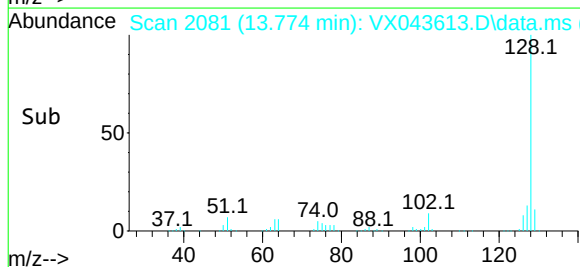


Tgt Ion:	128	Resp:	179816
Ion Ratio	100	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#96

1,2,3-Trichlorobenzene

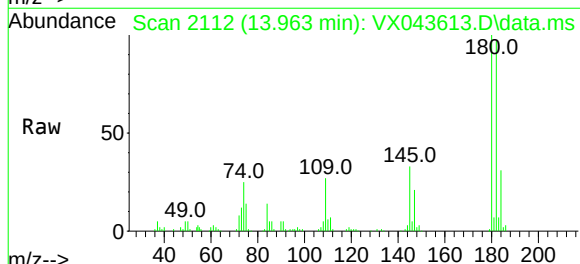
Concen: 19.280 ug/l

RT: 13.963 min Scan# 2112

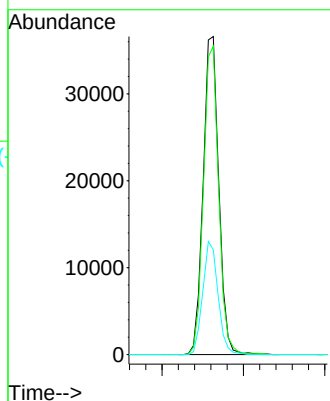
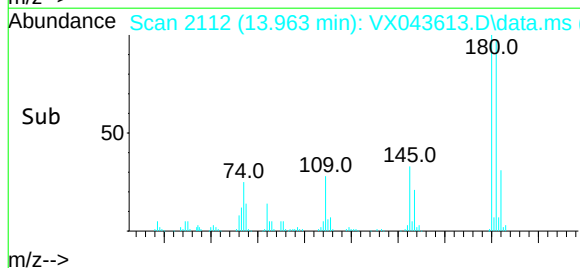
Delta R.T. 0.000 min

Lab File: VX043613.D

Acq: 30 Oct 2024 10:56



Tgt Ion:	180	Resp:	48793
Ion Ratio	100	Lower	Upper
180	100		
182	94.1	47.1	141.3
145	34.8	17.4	52.3



Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:		
Project:	CTO WE13			Date Received:		
Client Sample ID:	VX1029WBSD01			SDG No.:	P4600	
Lab Sample ID:	VX1029WBSD01			Matrix:	Water	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043587.D	1		10/29/24 11:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.6		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.9		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.6		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	0.75	1.00	ug/L
67-64-1	Acetone	95.8		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.1		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.9		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.0		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.4		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	91.3		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.3		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	21.0		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.5		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.9		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.8		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.2		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.1		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	VX1029WBSD01			SDG No.:	P4600
Lab Sample ID:	VX1029WBSD01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043587.D	1		10/29/24 11:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	19.6		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.1		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.9		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.8		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.5		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	18.8		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.1		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.1		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.9		81 - 118		86%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	5.55				
540-36-3	1,4-Difluorobenzene	312000	6.757				
3114-55-4	Chlorobenzene-d5	270000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	131000	12.024				

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 OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043587.D
 Acq On : 29 Oct 2024 11:20
 Operator : JC/MD
 Sample : VX1029WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:27:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	180366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	312050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123296	42.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.740%		
35) Dibromofluoromethane	5.385	113	99899	47.211	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.420%		
50) Toluene-d8	8.647	98	366426	50.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.060%		
62) 4-Bromofluorobenzene	11.079	95	135860	50.055	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35143	18.219	ug/l	98
3) Chloromethane	1.294	50	40942	16.605	ug/l	99
4) Vinyl Chloride	1.374	62	41339	18.065	ug/l	98
5) Bromomethane	1.593	94	17344	18.591	ug/l	94
6) Chloroethane	1.660	64	15277	18.949	ug/l	100
7) Trichlorofluoromethane	1.861	101	57506	20.570	ug/l	98
8) Diethyl Ether	2.136	74	23314	18.050	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	37452	19.809	ug/l	97
10) Methyl Iodide	2.441	142	53263	19.499	ug/l	96
11) Tert butyl alcohol	3.008	59	57011m	106.205	ug/l	
12) 1,1-Dichloroethene	2.307	96	36845	19.070	ug/l	96
13) Acrolein	2.239	56	39535	94.177	ug/l	100
14) Allyl chloride	2.660	41	61519	18.409	ug/l	97
15) Acrylonitrile	3.069	53	109405	90.270	ug/l	99
16) Acetone	2.392	43	109359	95.756	ug/l	100
17) Carbon Disulfide	2.502	76	73159	18.108	ug/l	99
18) Methyl Acetate	2.709	43	57203	17.138	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	131788	17.936	ug/l	97
20) Methylene Chloride	2.782	84	41826	16.993	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	38207	18.718	ug/l	93
22) Diisopropyl ether	3.764	45	127741	18.494	ug/l	97
23) Vinyl Acetate	3.721	43	526774	92.311	ug/l	99
24) 1,1-Dichloroethane	3.605	63	72922	18.368	ug/l	98
25) 2-Butanone	4.562	43	152135	91.321	ug/l	100
26) 2,2-Dichloropropane	4.465	77	61908	19.050	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	48502	18.602	ug/l	99
28) Bromochloromethane	4.898	49	35416	18.753	ug/l	100
29) Tetrahydrofuran	5.007	42	96260	88.912	ug/l	98
30) Chloroform	5.086	83	75982	18.258	ug/l	98
31) Cyclohexane	5.458	56	60944	20.070	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	66644	19.074	ug/l	98
36) 1,1-Dichloropropene	5.684	75	50726	20.217	ug/l	99
37) Ethyl Acetate	4.715	43	57527	18.885	ug/l	98
38) Carbon Tetrachloride	5.672	117	55313	19.952	ug/l	95
39) Methylcyclohexane	7.373	83	65547	21.041	ug/l	95
40) Benzene	6.031	78	162811	19.451	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043587.D
 Acq On : 29 Oct 2024 11:20
 Operator : JC/MD
 Sample : VX1029WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:27:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	30340	18.975	ug/l	96
42) 1,2-Dichloroethane	6.086	62	57693	19.172	ug/l	98
43) Isopropyl Acetate	6.342	43	94365	18.732	ug/l	98
44) Trichloroethene	7.123	130	40576	19.513	ug/l	98
45) 1,2-Dichloropropane	7.428	63	39286	19.061	ug/l	98
46) Dibromomethane	7.580	93	30214	19.039	ug/l	98
47) Bromodichloromethane	7.818	83	52666	18.918	ug/l	96
48) Methyl methacrylate	7.696	41	45342	18.984	ug/l	98
49) 1,4-Dioxane	7.671	88	22833	465.320	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	303410	98.818	ug/l	100
52) Toluene	8.720	92	102358	20.164	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	57218	19.136	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	64125	20.128	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	42874	20.290	ug/l	96
56) Ethyl methacrylate	9.116	69	67171	19.564	ug/l	97
57) 1,3-Dichloropropane	9.305	76	69379	19.741	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	161188	96.934	ug/l	98
59) 2-Hexanone	9.433	43	235915	101.166	ug/l	100
60) Dibromochloromethane	9.519	129	41001	19.595	ug/l	98
61) 1,2-Dibromoethane	9.610	107	43112	19.655	ug/l	97
64) Tetrachloroethene	9.275	164	35803	21.083	ug/l	94
65) Chlorobenzene	10.079	112	114879	19.776	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	39255	20.689	ug/l	99
67) Ethyl Benzene	10.195	91	191684	20.237	ug/l	97
68) m/p-Xylenes	10.299	106	151758	41.895	ug/l	95
69) o-Xylene	10.640	106	75831	20.836	ug/l	97
70) Styrene	10.653	104	124213	20.534	ug/l	99
71) Bromoform	10.799	173	25655	18.805	ug/l #	96
73) Isopropylbenzene	10.963	105	190648	20.509	ug/l	99
74) N-amyl acetate	10.842	43	86862	19.182	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	65393	19.563	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	52914m	18.859	ug/l	
77) Bromobenzene	11.195	156	46994	19.579	ug/l	99
78) n-propylbenzene	11.305	91	208848	20.606	ug/l	99
79) 2-Chlorotoluene	11.366	91	133377	19.846	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	161261	20.806	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	18827	18.460	ug/l	98
82) 4-Chlorotoluene	11.451	91	150670	19.974	ug/l	99
83) tert-Butylbenzene	11.713	119	165824	21.037	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	163892	20.749	ug/l	99
85) sec-Butylbenzene	11.890	105	197051	21.328	ug/l	100
86) p-Isopropyltoluene	12.006	119	164691	20.970	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	85827	19.950	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	85335	19.143	ug/l	99
89) n-Butylbenzene	12.329	91	132178	20.655	ug/l	98
90) Hexachloroethane	12.536	117	25551	20.029	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	88551	20.129	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12736	18.690	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	51206	19.176	ug/l	97
94) Hexachlorobutadiene	13.725	225	20393	20.713	ug/l	98
95) Naphthalene	13.774	128	200939	19.665	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	53643	19.053	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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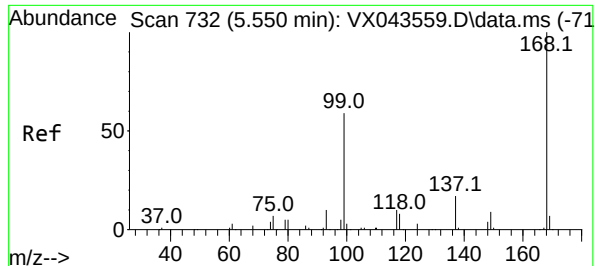
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations

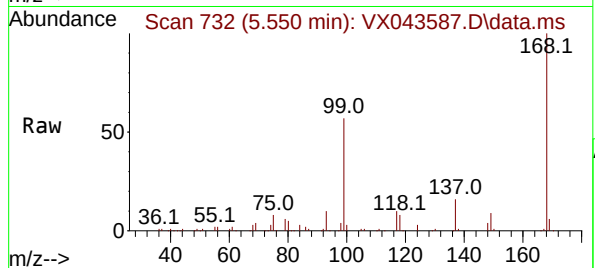
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

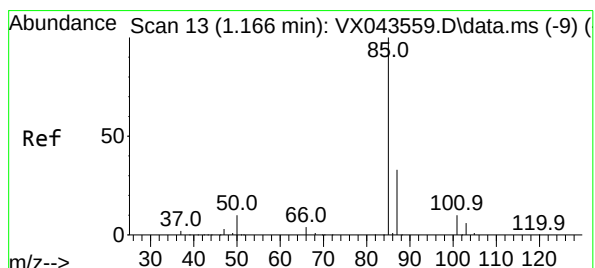
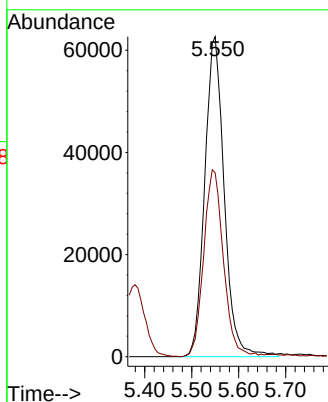
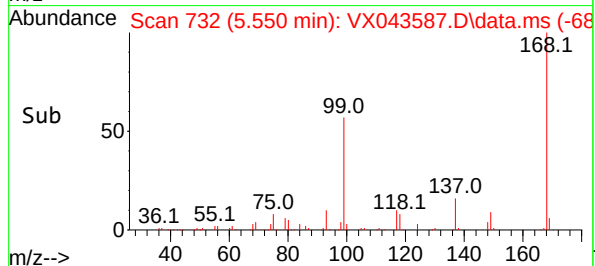
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01



Tgt Ion:168 Resp: 180360
Ion Ratio Lower Upper
168 100
99 57.3 52.6 78.8

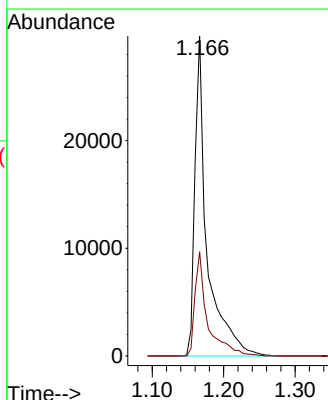
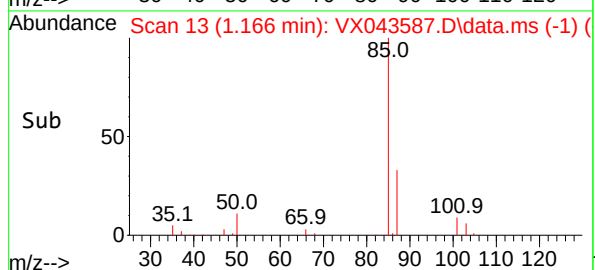
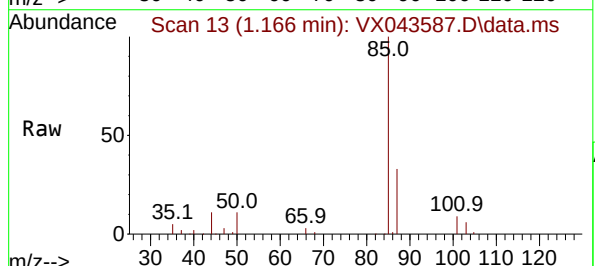
Manual Integrations
APPROVED

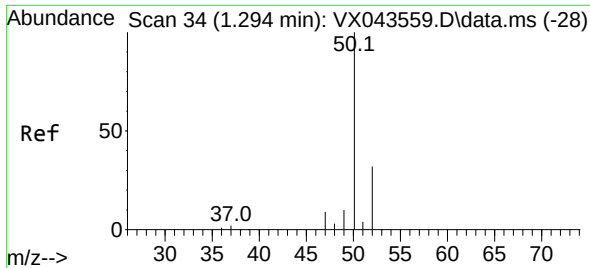
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#2
Dichlorodifluoromethane
Concen: 18.219 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 85 Resp: 35143
Ion Ratio Lower Upper
85 100
87 32.5 15.7 47.0





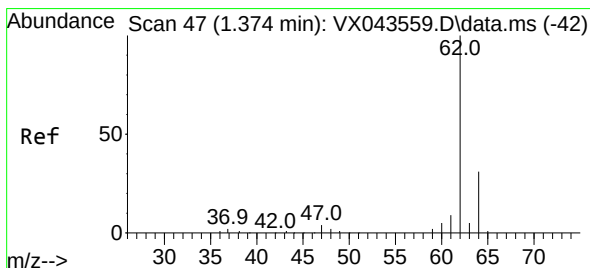
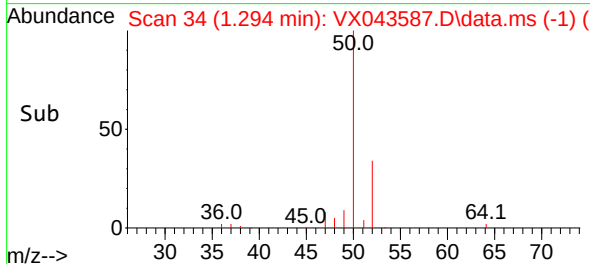
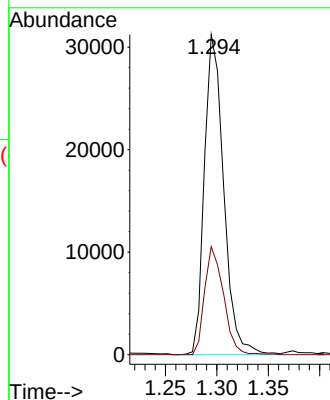
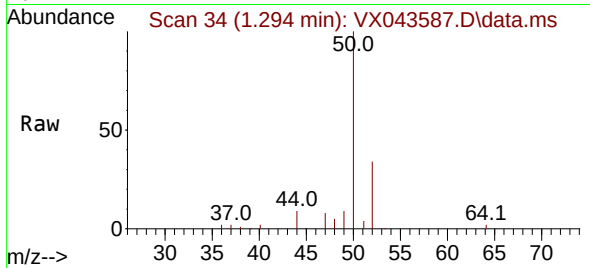
#3
Chloromethane
Concen: 16.605 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 50 Resp: 4094
Ion Ratio Lower Upper
50 100
52 33.7 26.3 39.5

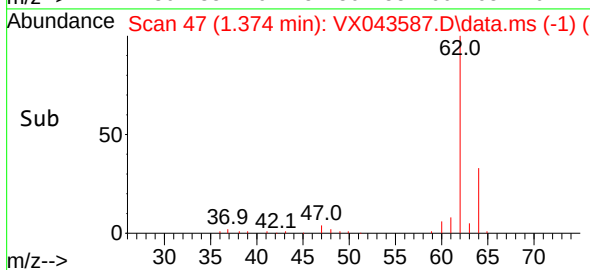
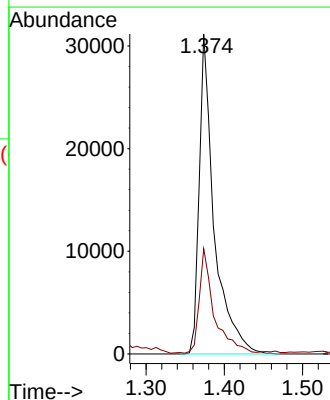
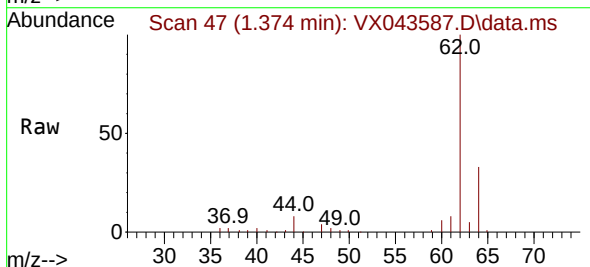
Manual Integrations
APPROVED

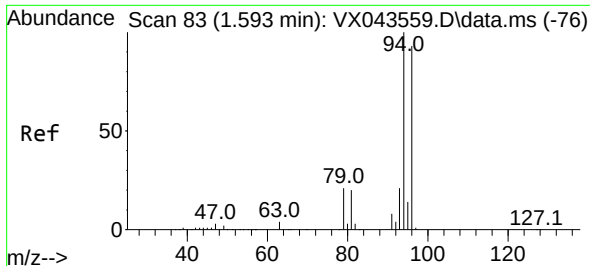
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#4
Vinyl Chloride
Concen: 18.065 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 62 Resp: 41339
Ion Ratio Lower Upper
62 100
64 32.5 25.0 37.4





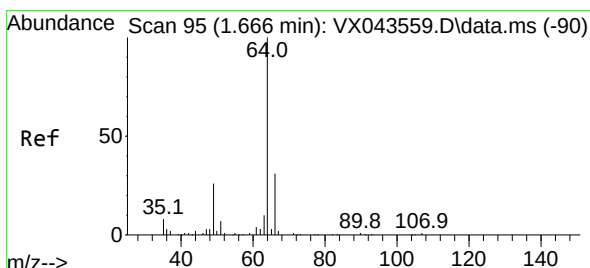
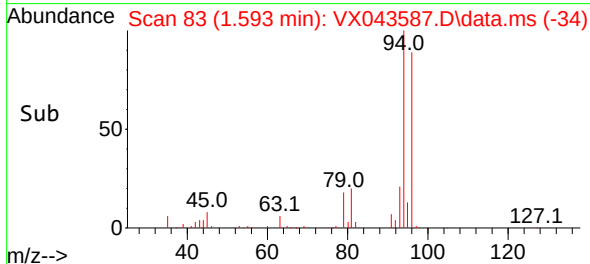
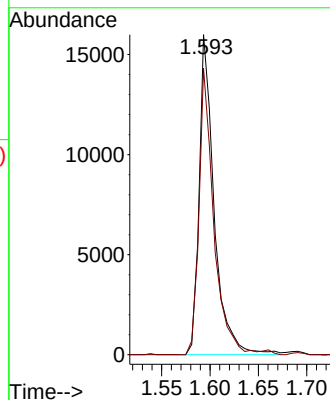
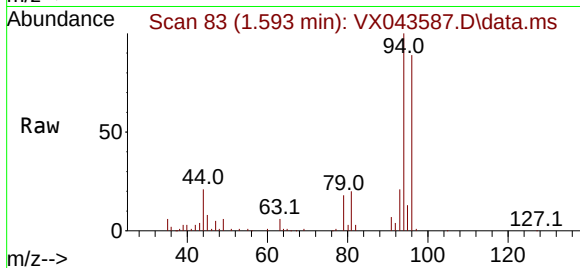
#5
Bromomethane
Concen: 18.591 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 94 Resp: 17344
Ion Ratio Lower Upper
94 100
96 89.4 75.9 113.9

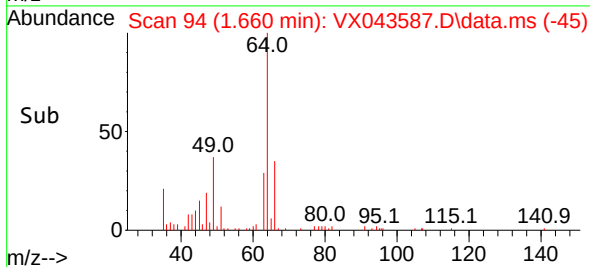
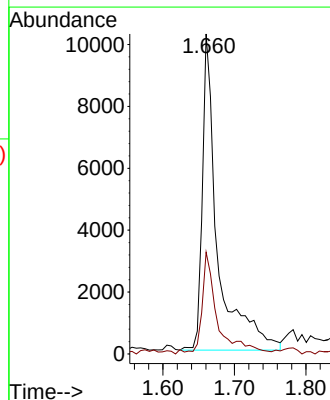
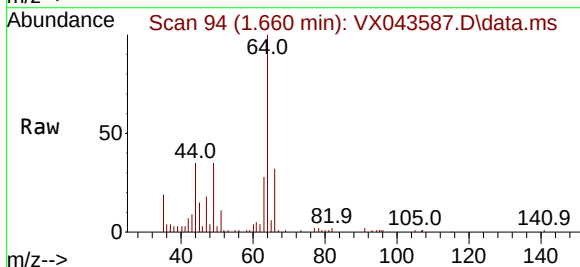
Manual Integrations
APPROVED

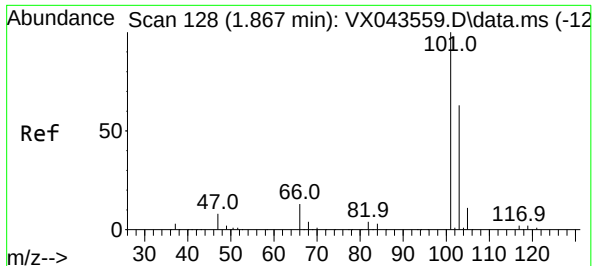
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#6
Chloroethane
Concen: 18.949 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 64 Resp: 15277
Ion Ratio Lower Upper
64 100
66 31.2 25.1 37.7





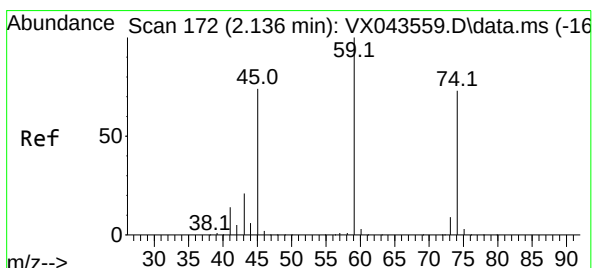
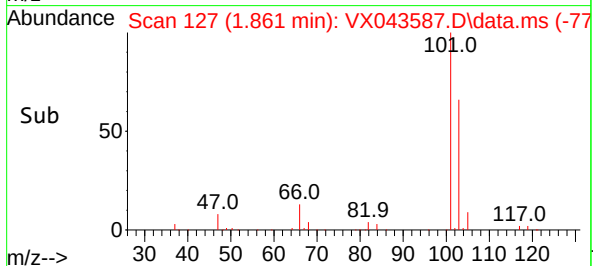
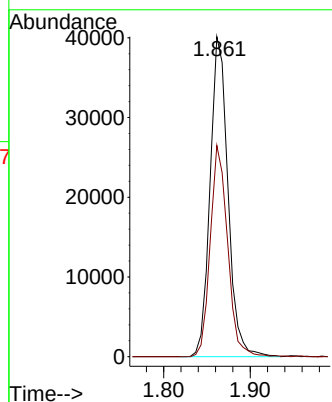
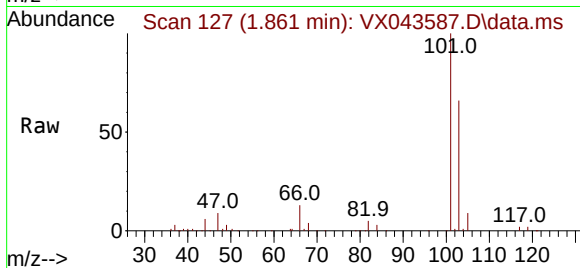
#7
Trichlorofluoromethane
Concen: 20.570 ug/l
RT: 1.861 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:101 Resp: 57500
Ion Ratio Lower Upper
101 100
103 66.0 51.3 76.9

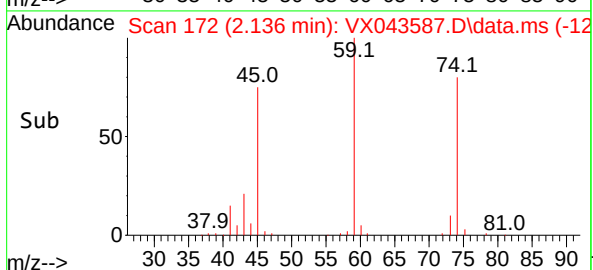
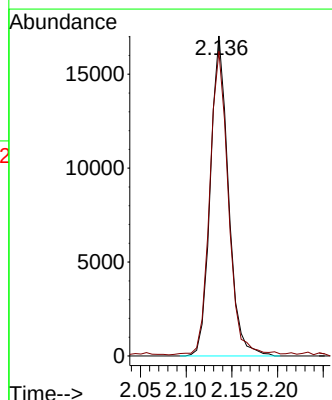
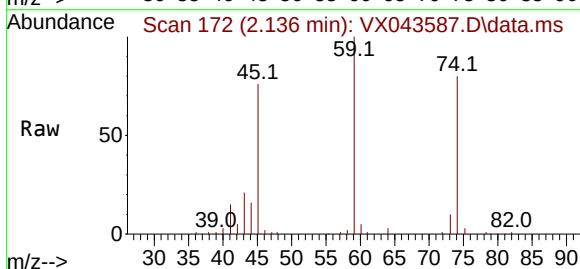
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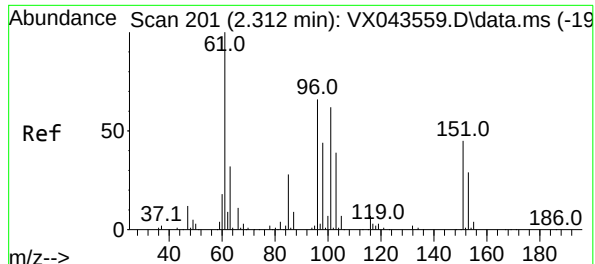
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#8
Diethyl Ether
Concen: 18.050 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 74 Resp: 23314
Ion Ratio Lower Upper
74 100
45 98.1 47.5 142.5





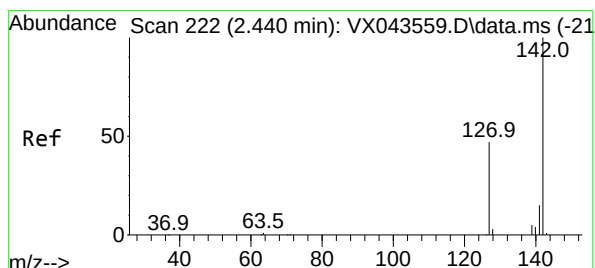
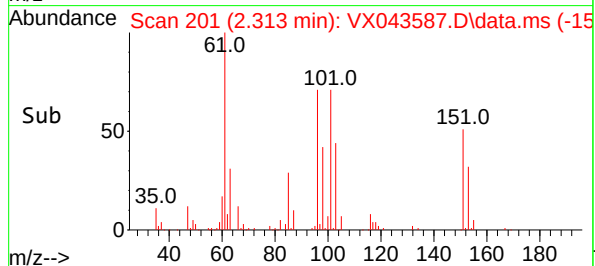
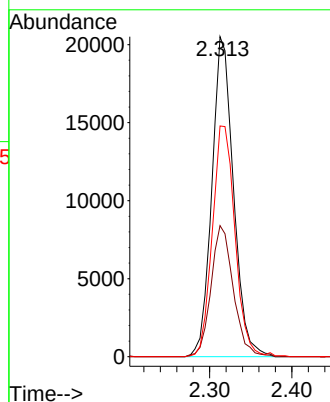
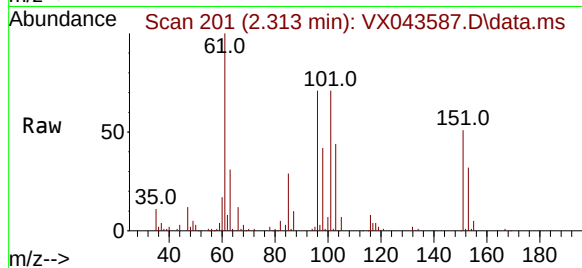
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.809 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:101 Resp: 37452
Ion Ratio Lower Upper
101 100
85 42.2 34.5 51.7
151 75.7 58.2 87.2

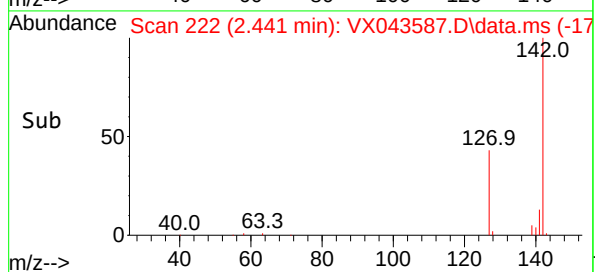
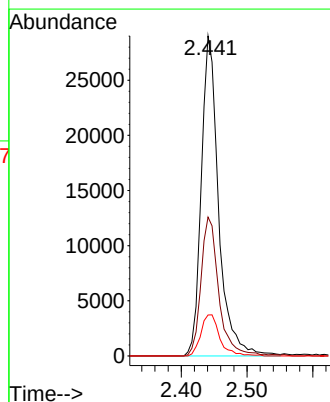
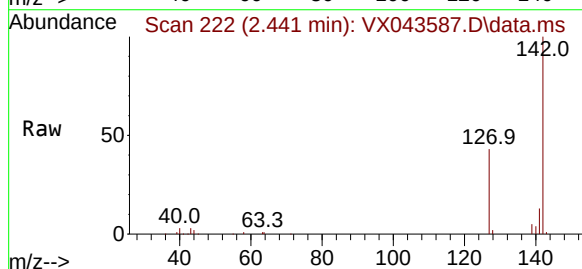
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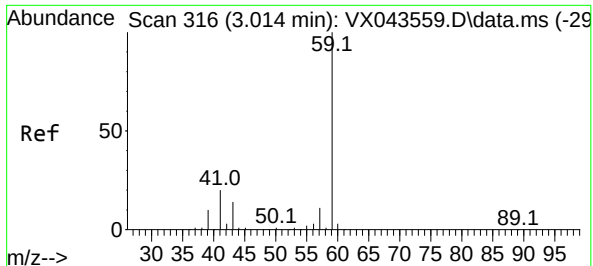
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#10
Methyl Iodide
Concen: 19.499 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:142 Resp: 53263
Ion Ratio Lower Upper
142 100
127 44.7 38.2 57.4
141 14.0 11.5 17.3





#11

Tert butyl alcohol

Concen: 106.205 ug/l m

RT: 3.008 min Scan# 31

Delta R.T. -0.042 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 59 Resp: 5701

Ion Ratio Lower Upper

59 100

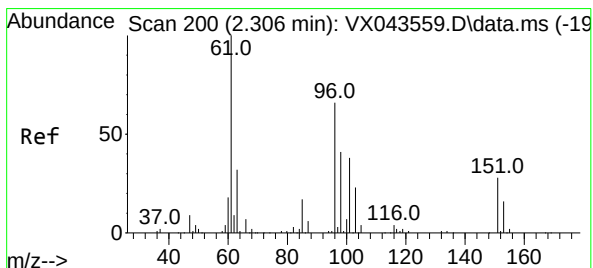
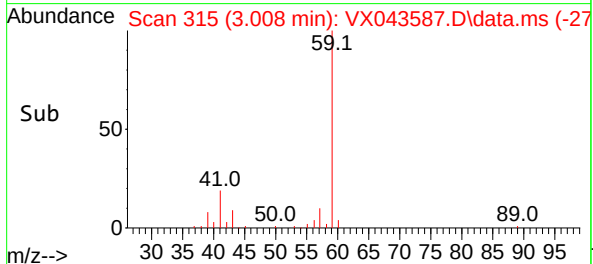
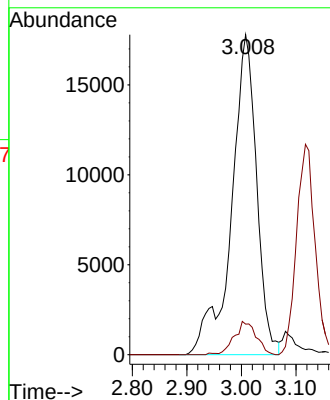
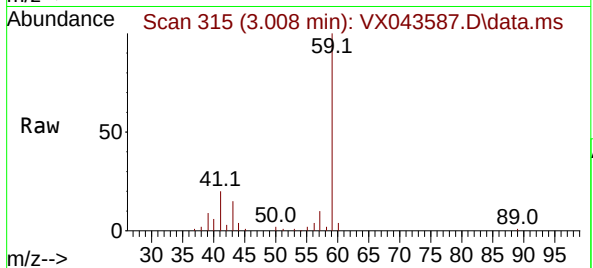
57 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#12

1,1-Dichloroethene

Concen: 19.070 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

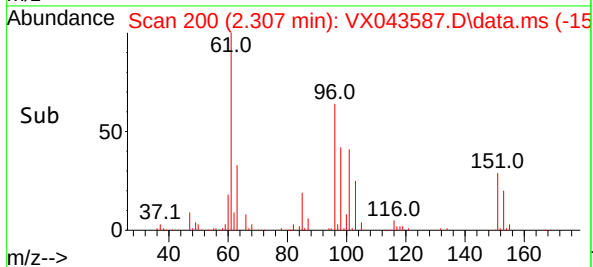
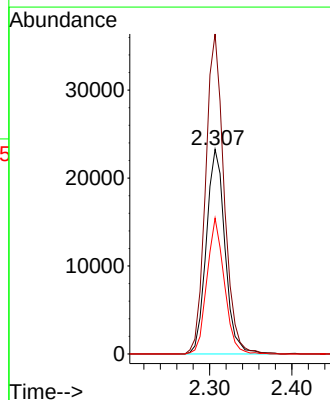
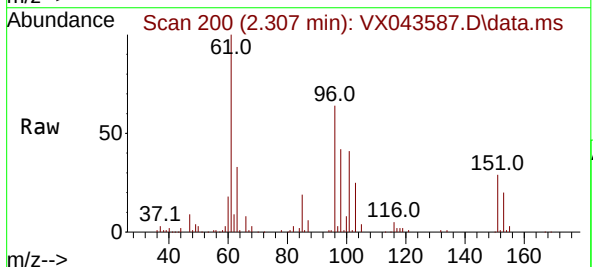
Tgt Ion: 96 Resp: 36845

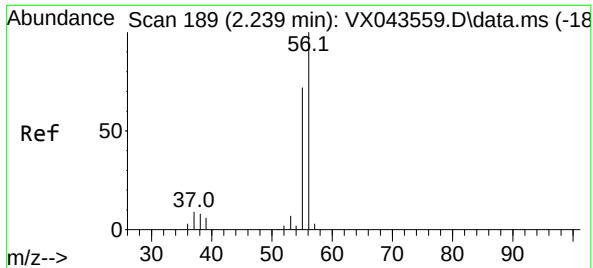
Ion Ratio Lower Upper

96 100

61 156.4 130.2 195.4

98 66.4 51.0 76.6





#13

Acrolein

Concen: 94.177 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 56 Resp: 3953

Ion Ratio Lower Upper

56 100

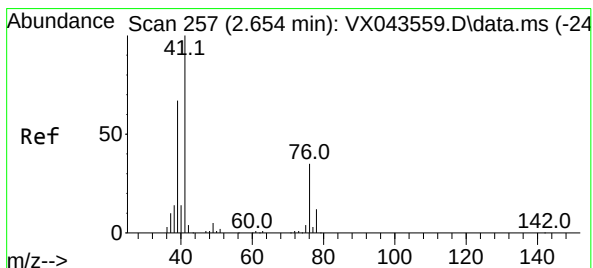
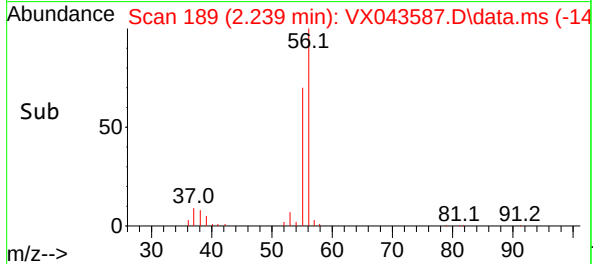
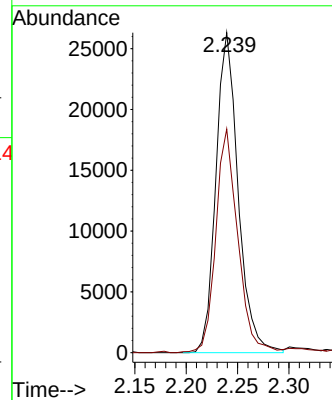
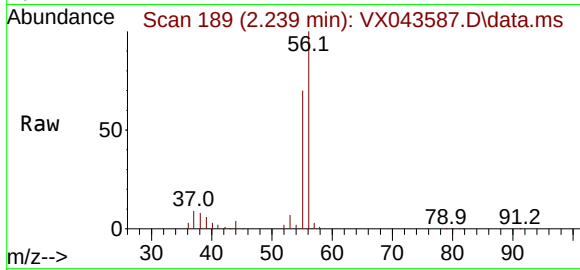
55 69.0 55.3 82.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#14

Allyl chloride

Concen: 18.409 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

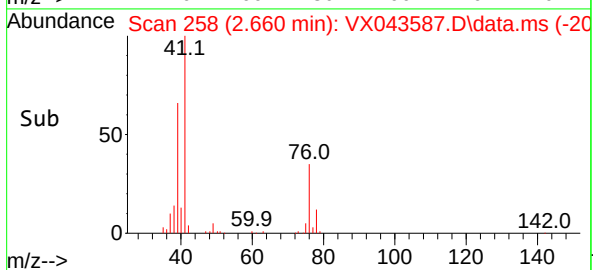
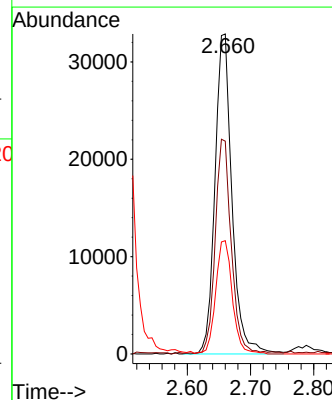
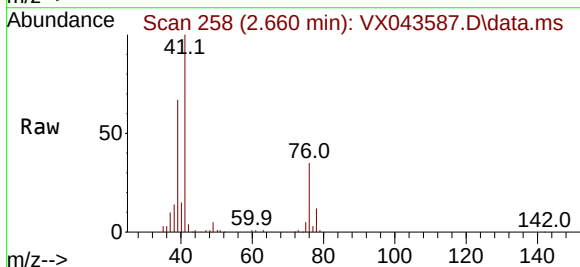
Tgt Ion: 41 Resp: 61519

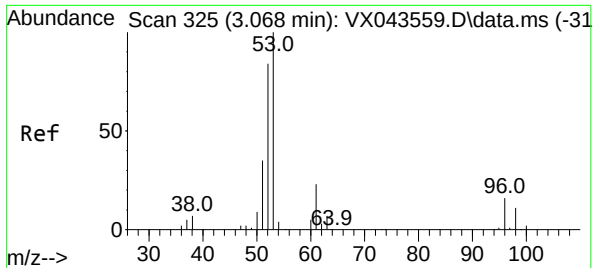
Ion Ratio Lower Upper

41 100

39 63.0 53.2 79.8

76 34.6 27.0 40.6





#15

Acrylonitrile

Concen: 90.270 ug/l

RT: 3.069 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 53 Resp: 10940

Ion Ratio Lower Upper

53 100

52 81.2 65.8 98.6

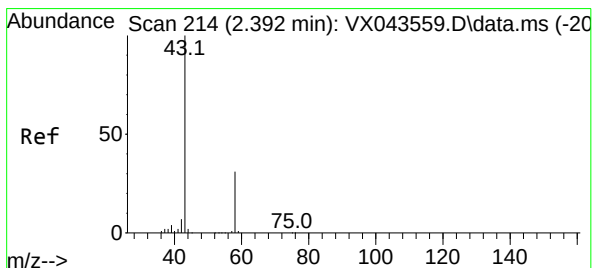
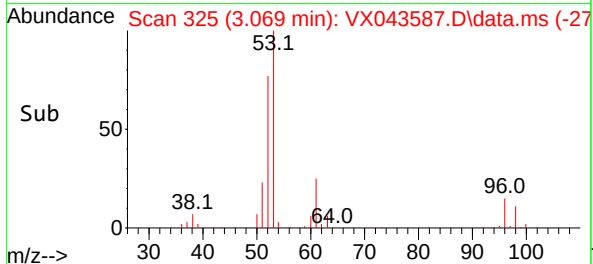
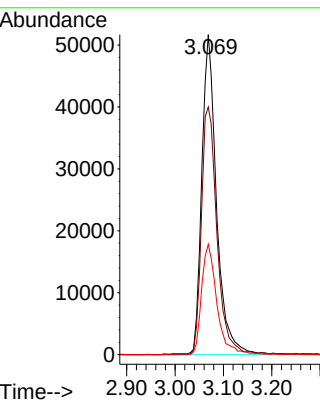
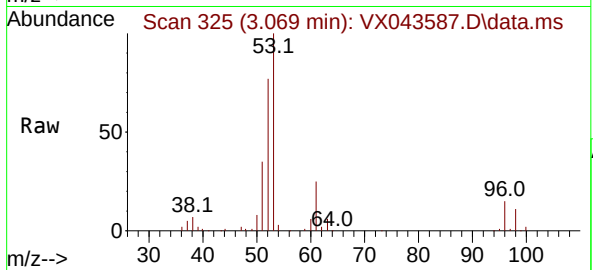
51 35.3 28.5 42.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#16

Acetone

Concen: 95.756 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043587.D

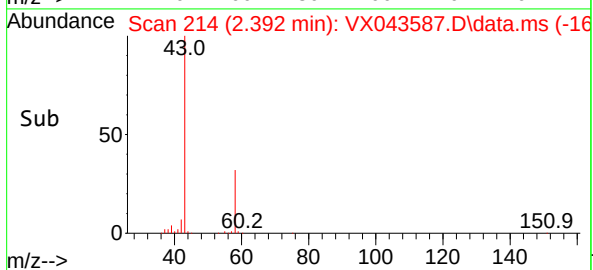
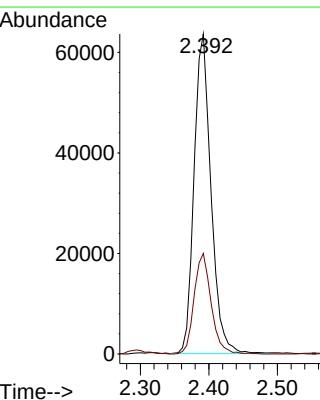
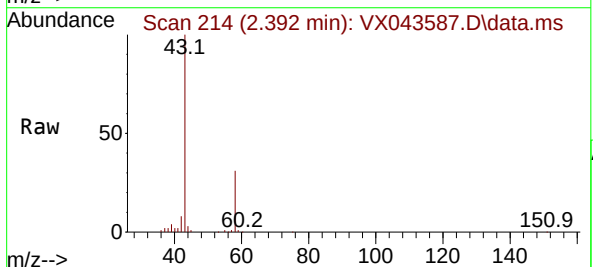
Acq: 29 Oct 2024 11:20

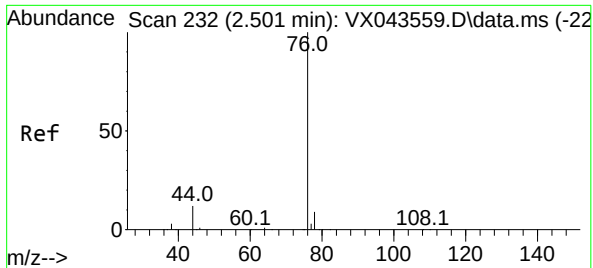
Tgt Ion: 43 Resp: 109359

Ion Ratio Lower Upper

43 100

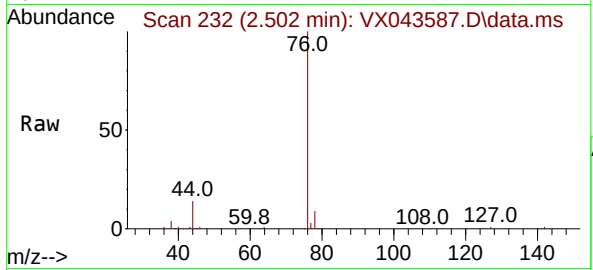
58 31.4 25.1 37.7





#17
Carbon Disulfide
Concen: 18.108 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

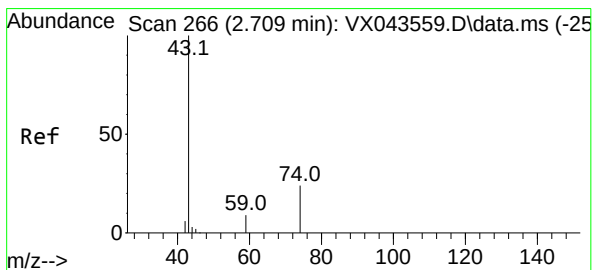
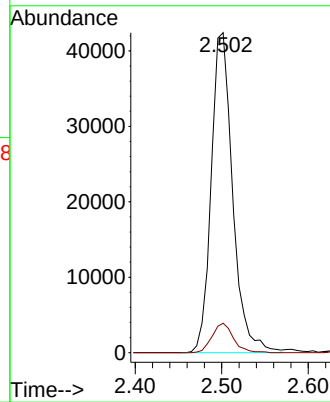
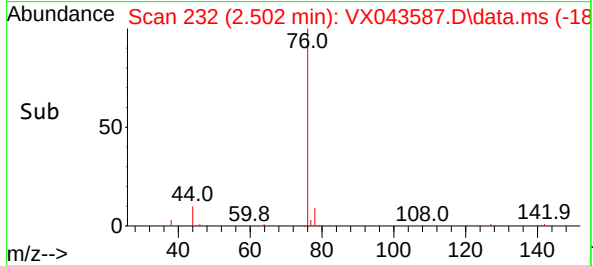
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01



Tgt Ion: 76 Resp: 73159
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

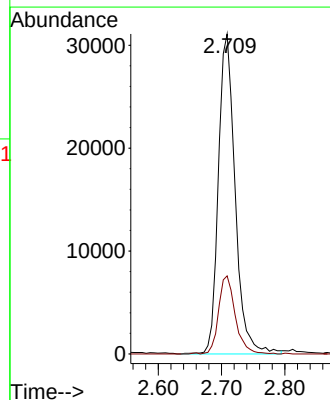
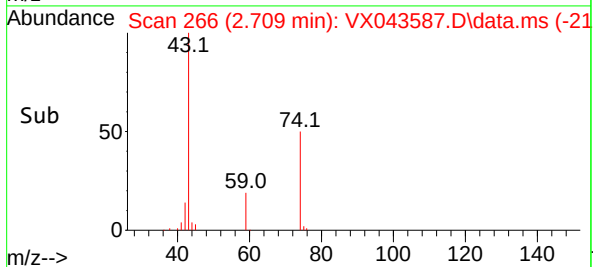
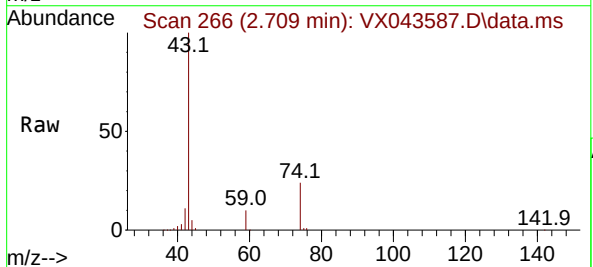
Manual Integrations
APPROVED

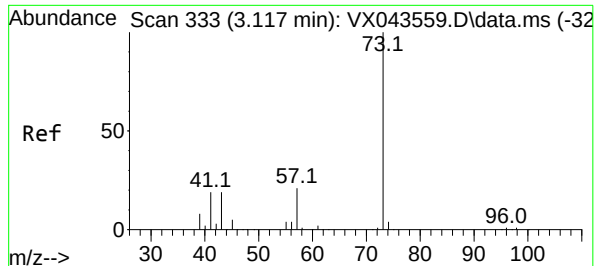
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#18
Methyl Acetate
Concen: 17.138 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 43 Resp: 57203
Ion Ratio Lower Upper
43 100
74 24.2 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 17.936 ug/l

RT: 3.117 min Scan# 333

Delta R.T. -0.006 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 73 Resp: 131788

Ion Ratio Lower Upper

73 100

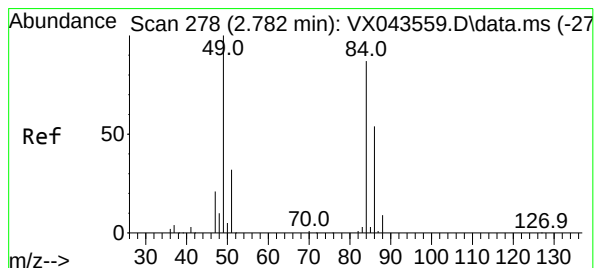
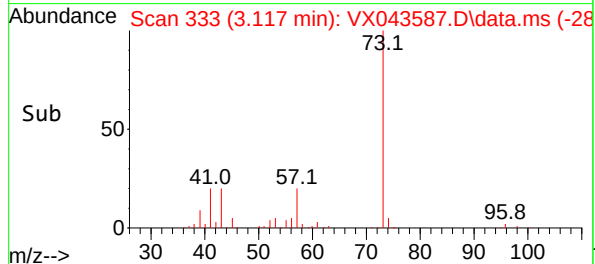
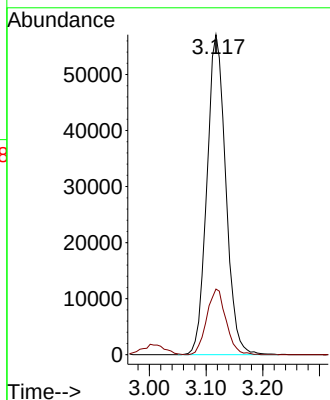
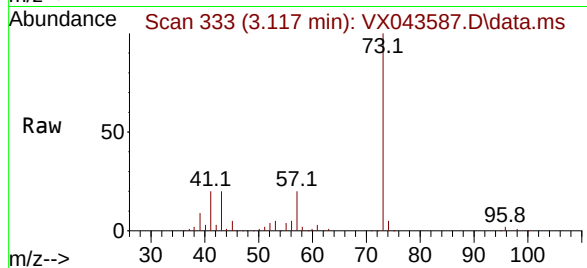
57 20.5 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#20

Methylene Chloride

Concen: 16.993 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Tgt Ion: 84 Resp: 41826

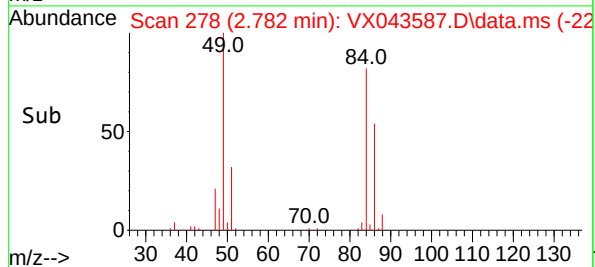
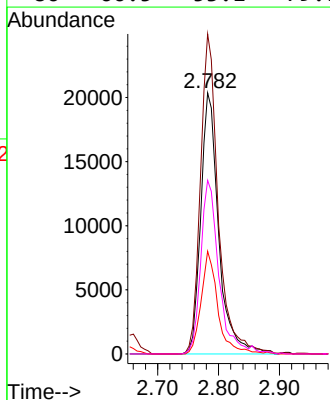
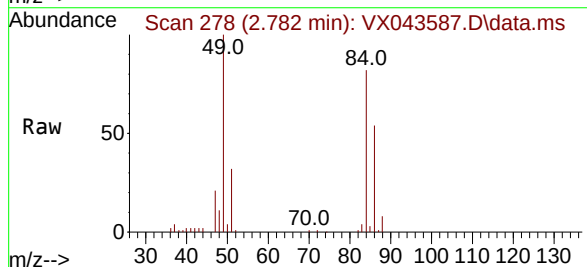
Ion Ratio Lower Upper

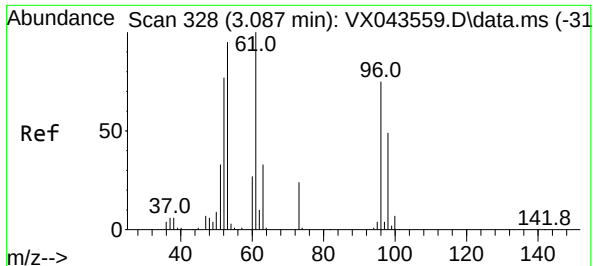
84 100

49 122.5 97.0 145.6

51 39.4 29.8 44.8

86 66.5 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 18.718 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 96 Resp: 3820

Ion Ratio Lower Upper

96 100

61 124.7 107.1 160.7

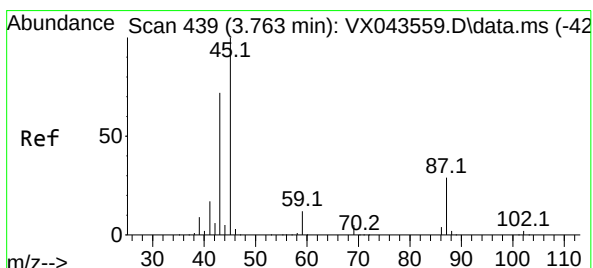
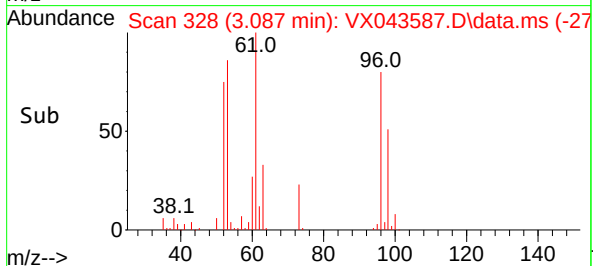
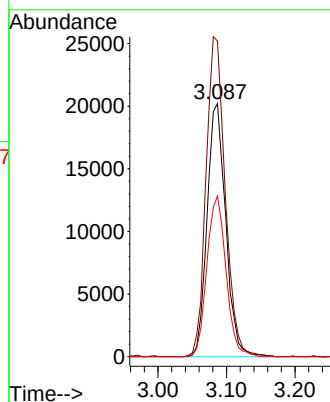
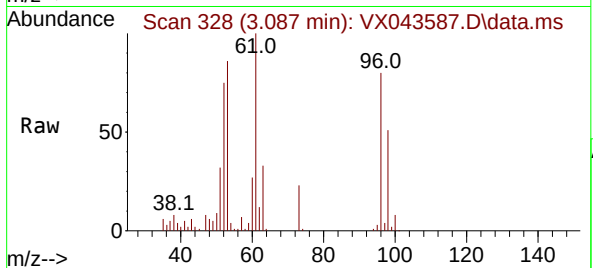
98 63.5 47.7 71.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#22

Diisopropyl ether

Concen: 18.494 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Tgt Ion: 45 Resp: 127741

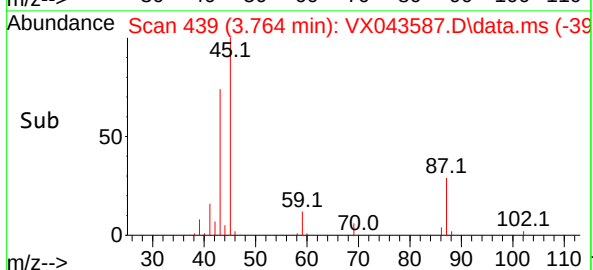
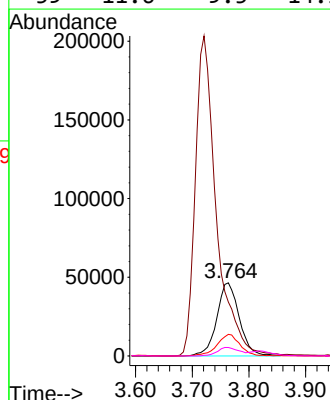
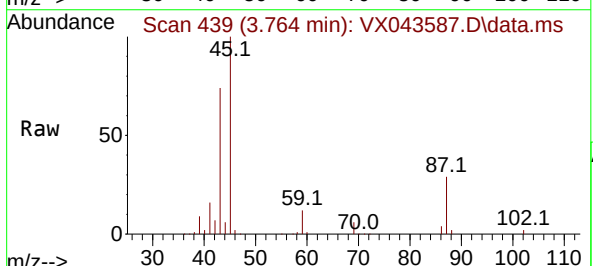
Ion Ratio Lower Upper

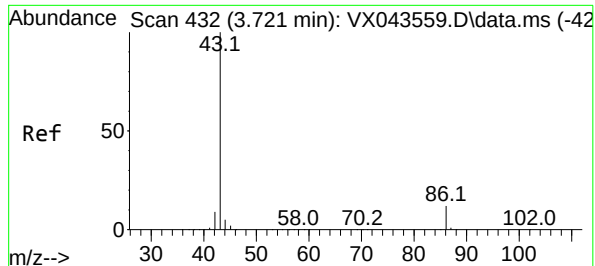
45 100

43 72.8 60.6 90.8

87 29.5 22.0 33.0

59 11.6 9.5 14.3





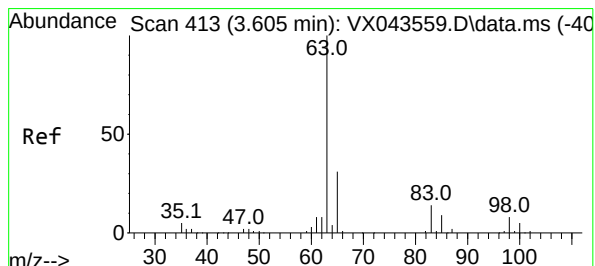
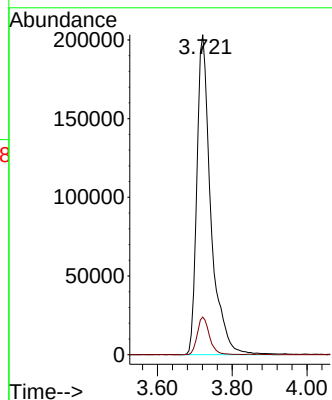
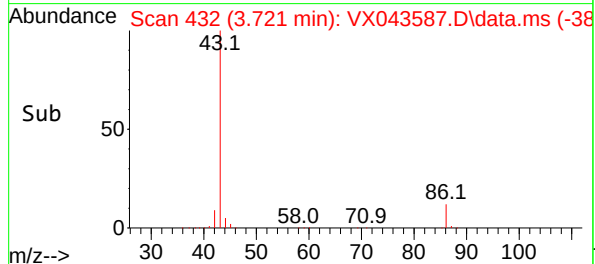
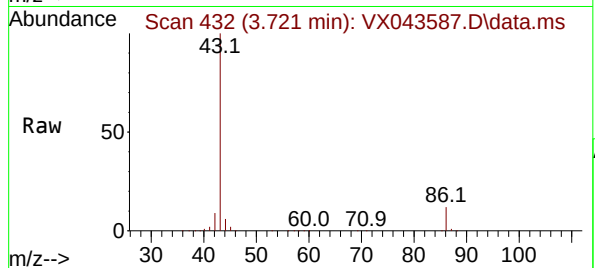
#23
Vinyl Acetate
Concen: 92.311 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 43 Resp: 526774
Ion Ratio Lower Upper
43 100
86 11.8 9.0 13.4

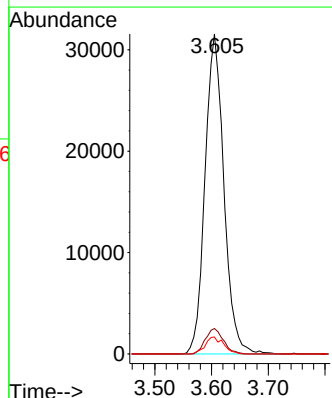
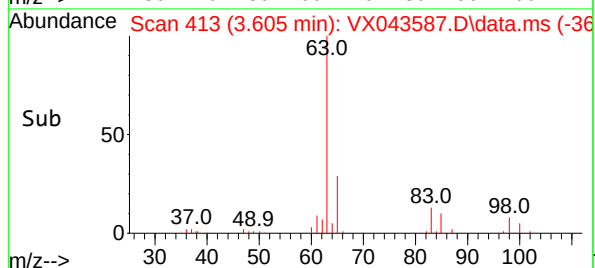
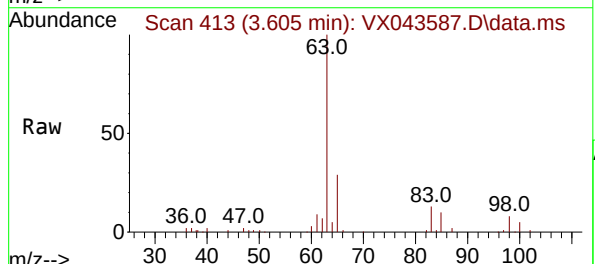
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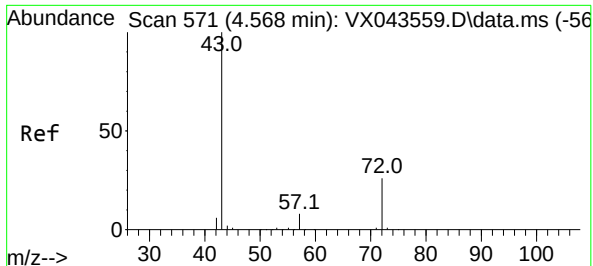
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#24
1,1-Dichloroethane
Concen: 18.368 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 63 Resp: 72922
Ion Ratio Lower Upper
63 100
98 7.9 3.5 10.4
100 5.3 2.4 7.2





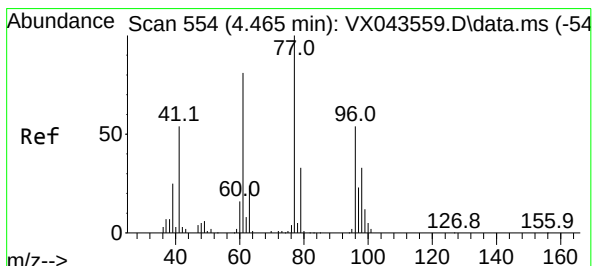
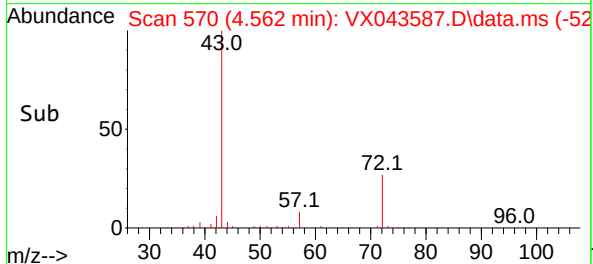
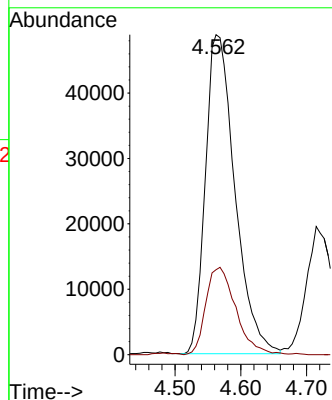
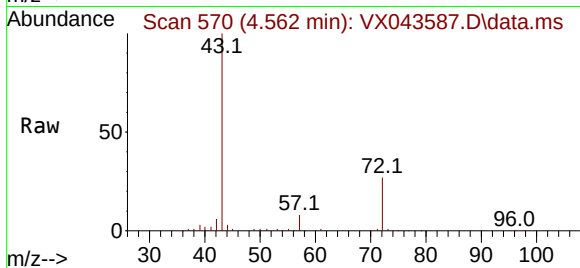
#25
2-Butanone
Concen: 91.321 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 43 Resp: 15213
Ion Ratio Lower Upper
43 100
72 26.4 21.1 31.7

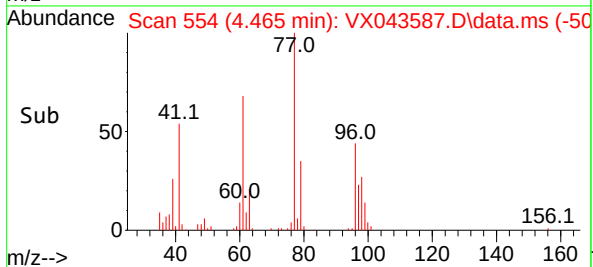
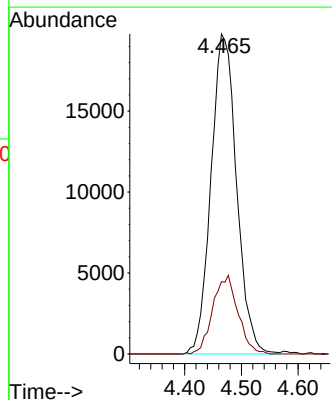
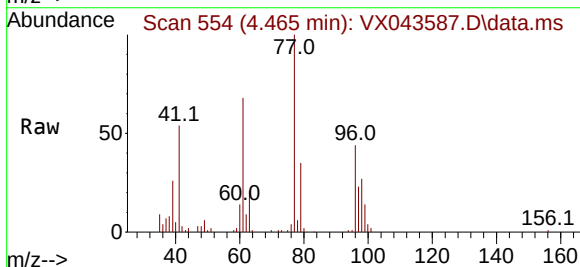
Manual Integrations
APPROVED

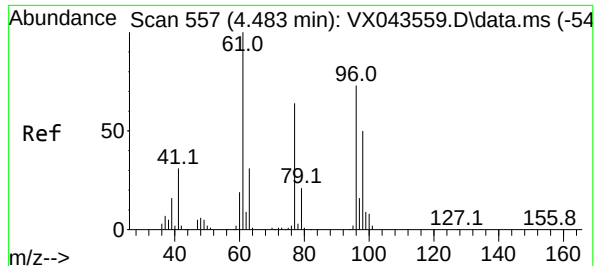
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#26
2,2-Dichloropropane
Concen: 19.050 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 77 Resp: 61908
Ion Ratio Lower Upper
77 100
97 24.1 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 18.602 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 96 Resp: 4850

Ion Ratio Lower Upper

96 100

61 137.9 0.0 277.2

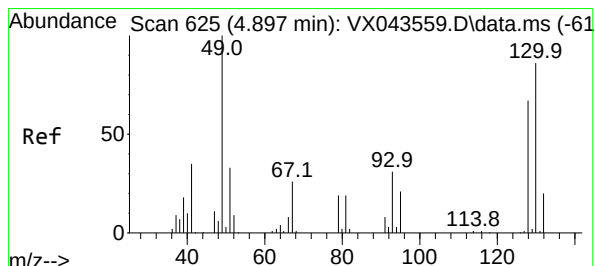
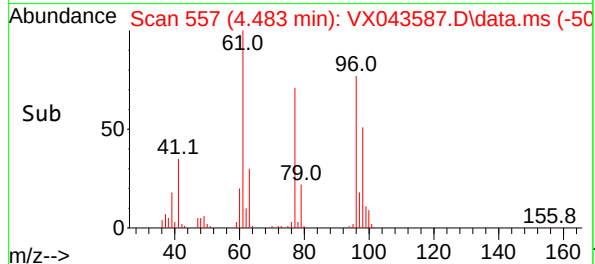
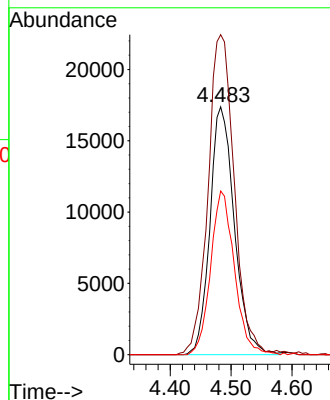
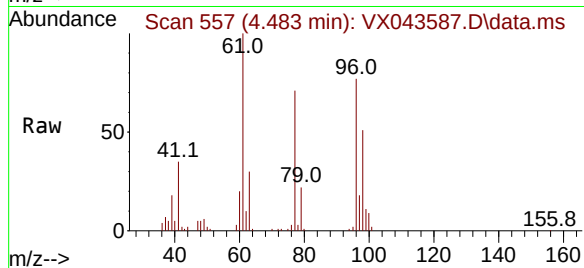
98 64.2 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#28

Bromochloromethane

Concen: 18.753 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

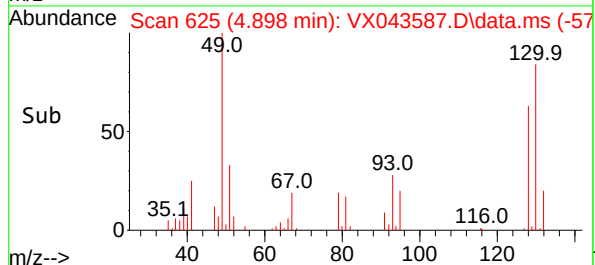
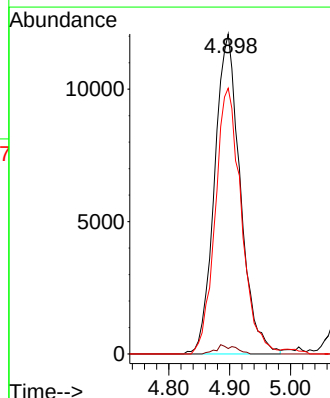
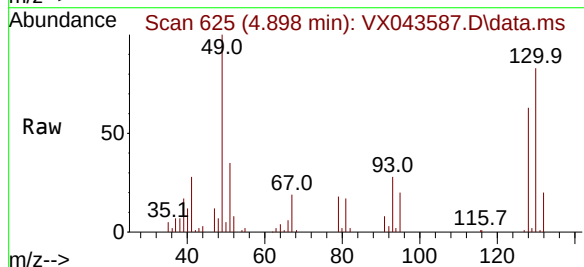
Tgt Ion: 49 Resp: 35416

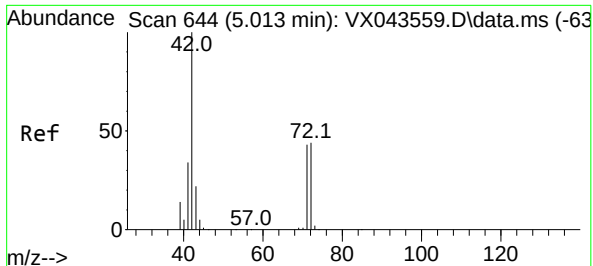
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 84.4 67.8 101.8





#29

Tetrahydrofuran

Concen: 88.912 ug/l

RT: 5.007 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 42 Resp: 96260

Ion Ratio Lower Upper

42 100

72 46.9 36.6 55.0

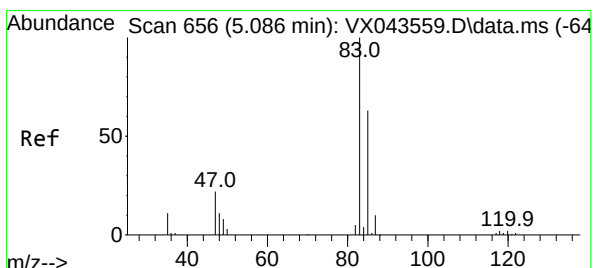
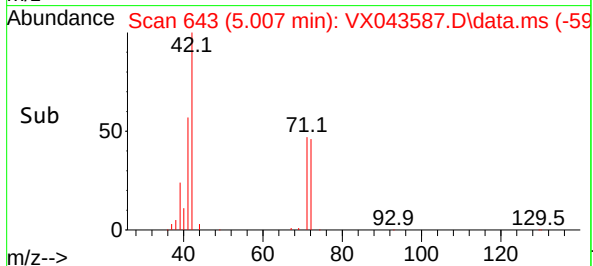
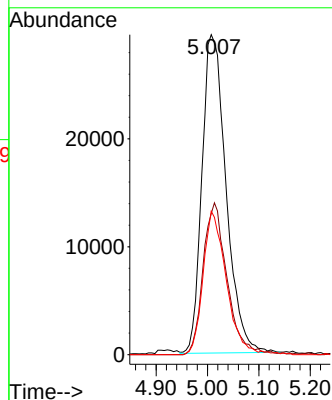
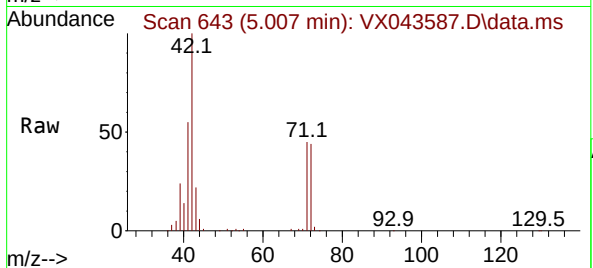
71 43.7 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#30

Chloroform

Concen: 18.258 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX043587.D

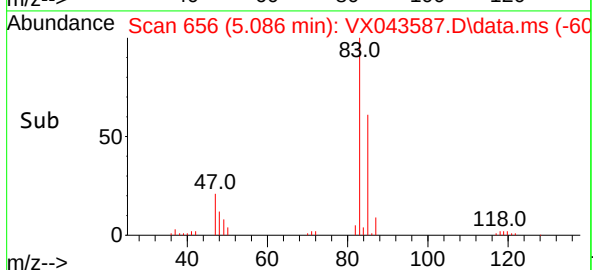
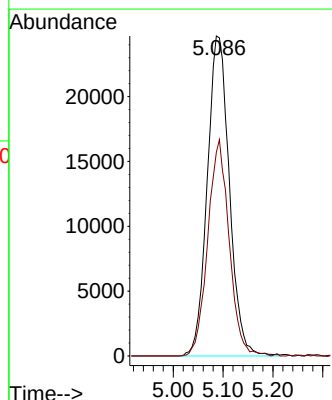
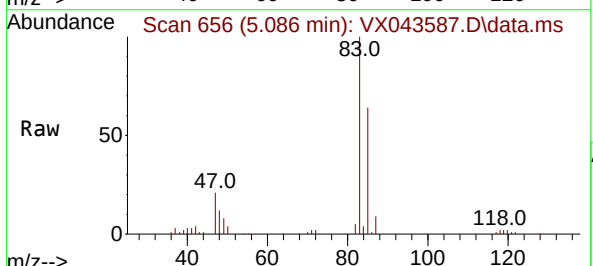
Acq: 29 Oct 2024 11:20

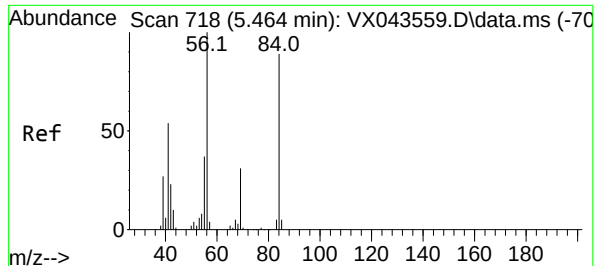
Tgt Ion: 83 Resp: 75982

Ion Ratio Lower Upper

83 100

85 63.6 52.2 78.4





#31

Cyclohexane

Concen: 20.070 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX043587.D

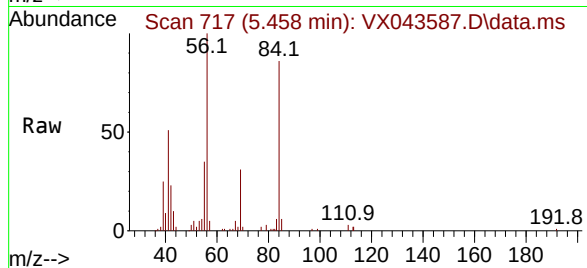
Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01



Tgt Ion: 56 Resp: 60944

Ion Ratio Lower Upper

56 100

69 30.6 24.9 37.3

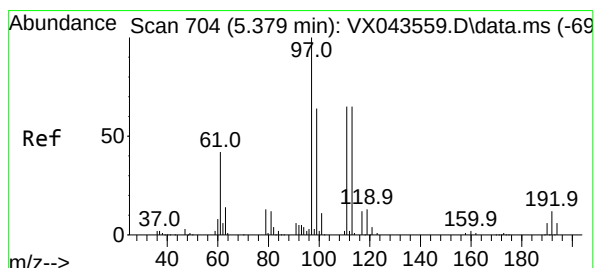
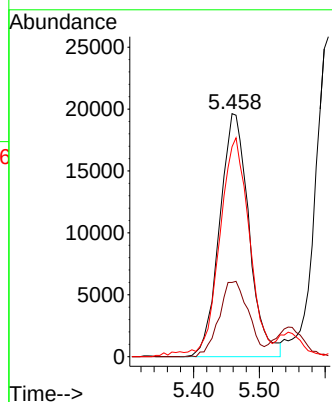
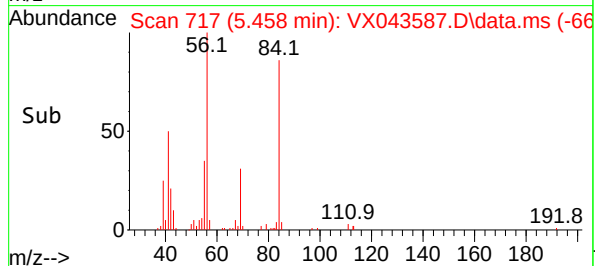
84 84.3 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#32

1,1,1-Trichloroethane

Concen: 19.074 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

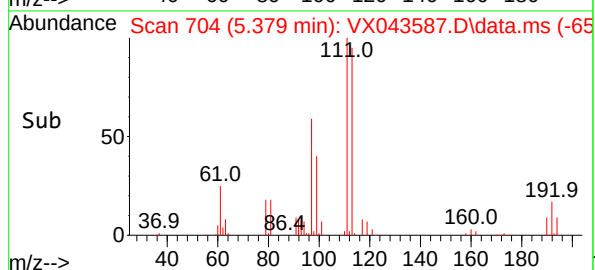
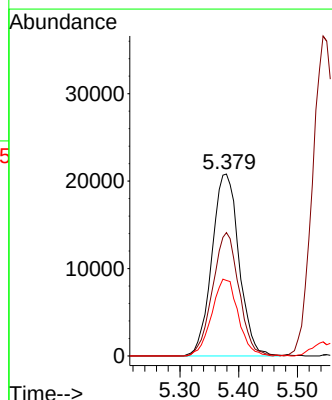
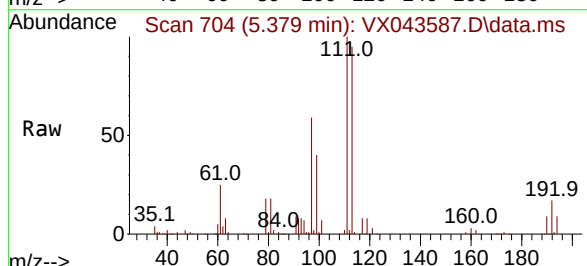
Tgt Ion: 97 Resp: 66644

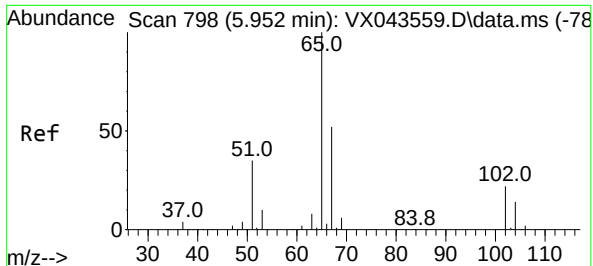
Ion Ratio Lower Upper

97 100

99 66.0 51.4 77.0

61 41.3 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 42.871 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 65 Resp: 123290

Ion Ratio Lower Upper

65 100

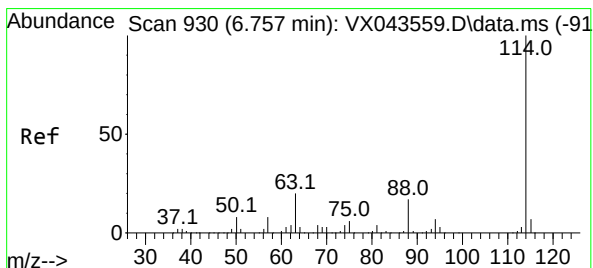
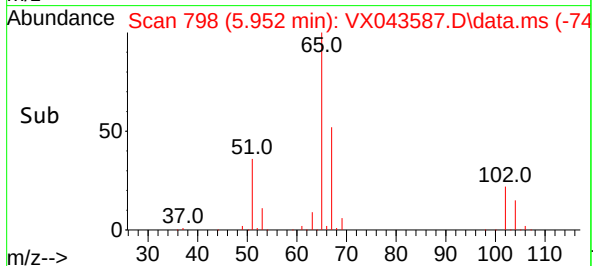
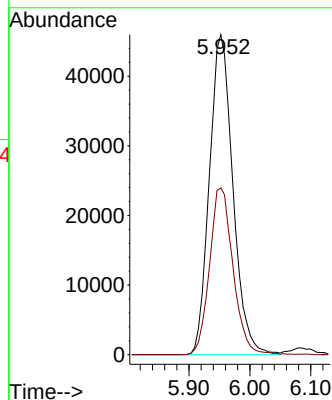
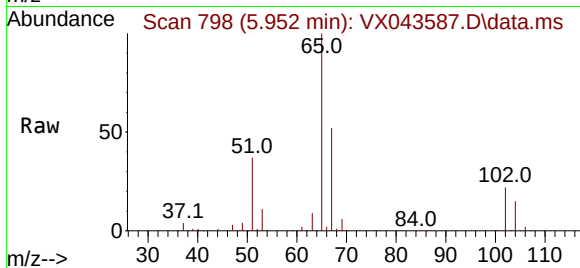
67 52.0 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

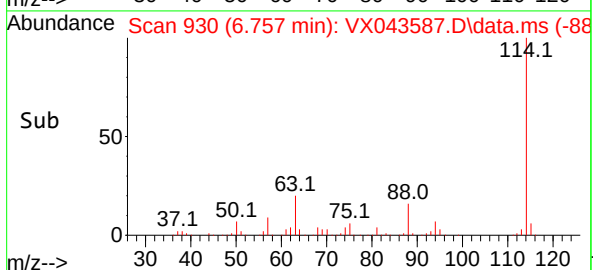
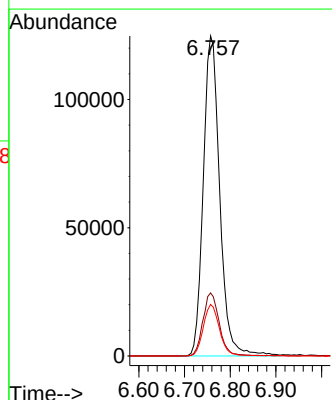
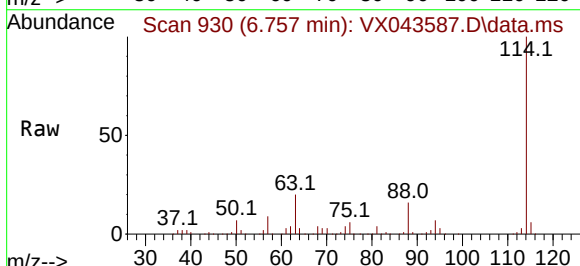
Tgt Ion:114 Resp: 312050

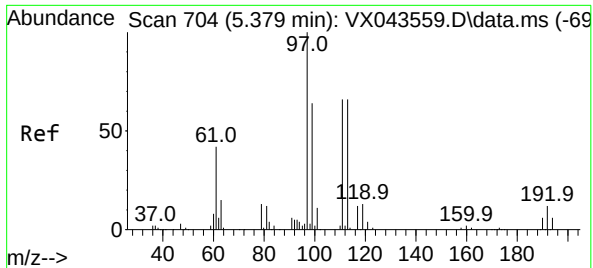
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.2

88 16.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.211 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043587.D

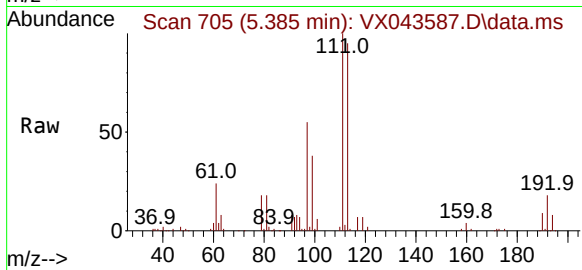
Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01



Tgt Ion:113 Resp: 9989

Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

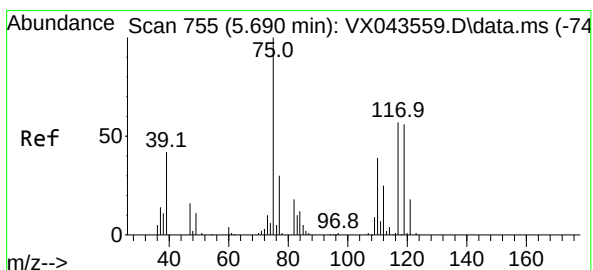
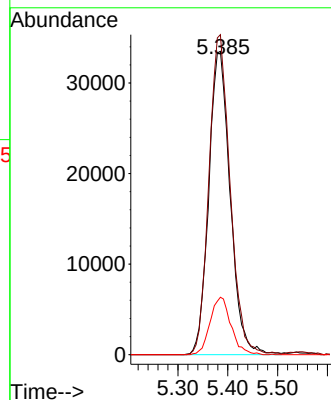
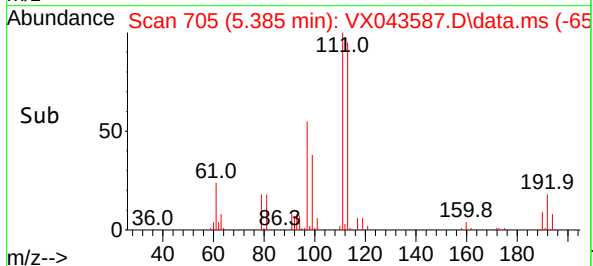
192 18.5 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#36

1,1-Dichloropropene

Concen: 20.217 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

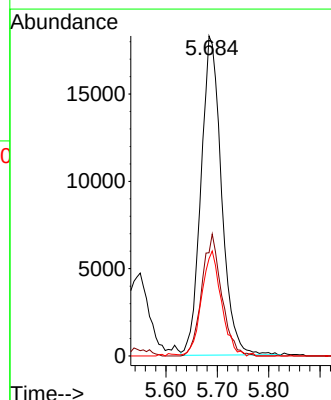
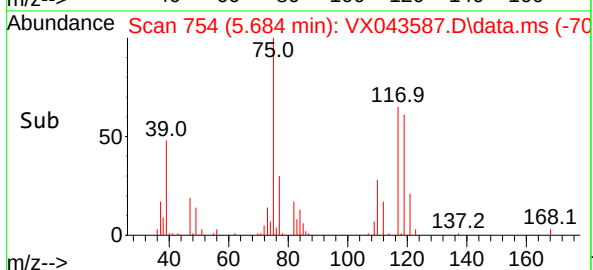
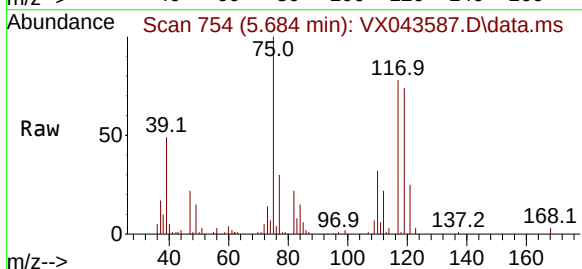
Tgt Ion: 75 Resp: 50726

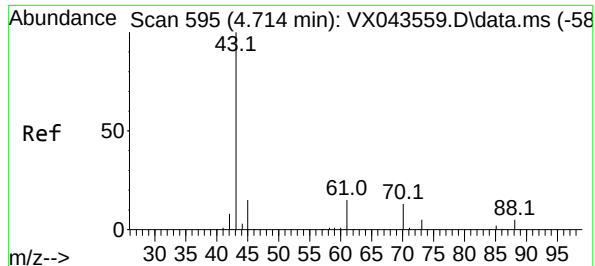
Ion Ratio Lower Upper

75 100

110 36.9 17.9 53.7

77 31.7 25.0 37.4





#37

Ethyl Acetate

Concen: 18.885 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.006 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 43 Resp: 5752

Ion Ratio Lower Upper

43 100

61 14.3 11.0 16.6

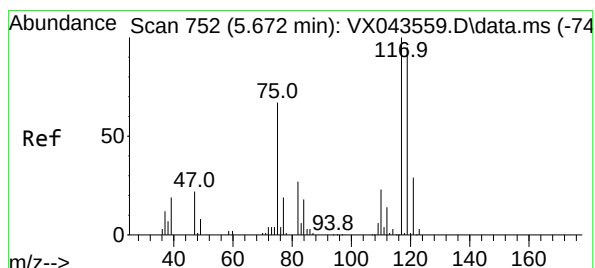
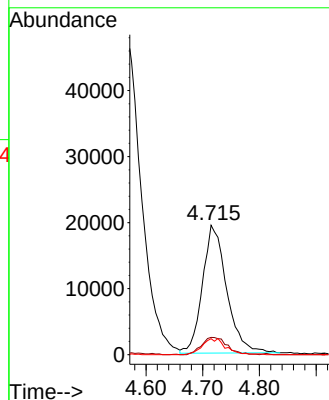
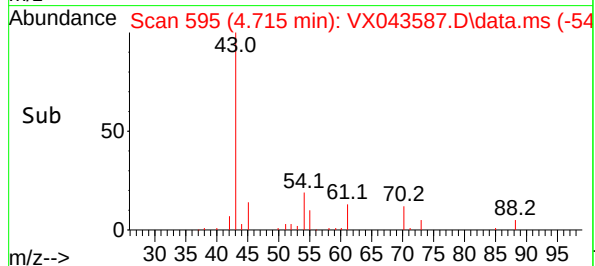
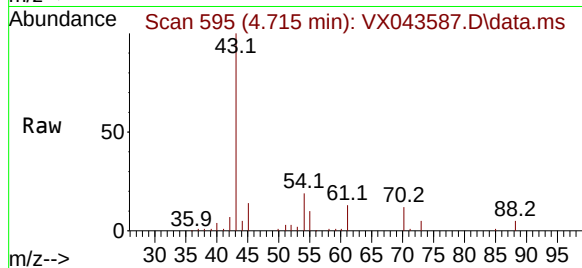
70 12.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#38

Carbon Tetrachloride

Concen: 19.952 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

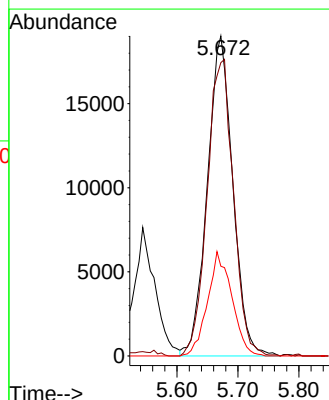
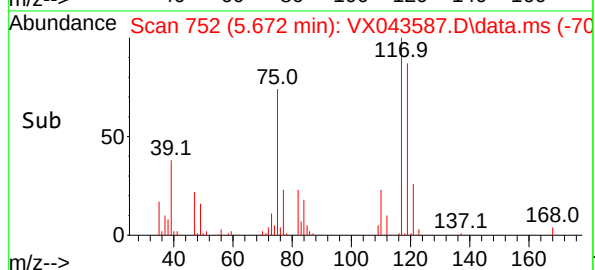
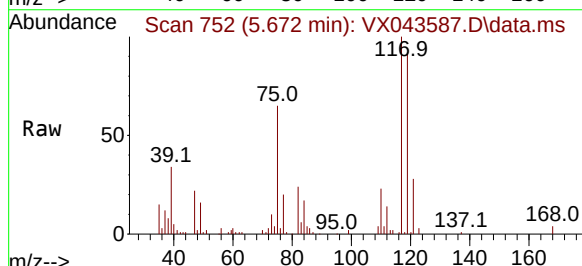
Tgt Ion:117 Resp: 55313

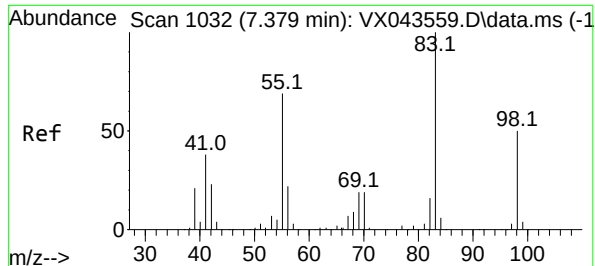
Ion Ratio Lower Upper

117 100

119 91.7 77.0 115.6

121 28.1 24.7 37.1





#39

Methylcyclohexane

Concen: 21.041 ug/l

RT: 7.373 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 83 Resp: 6554

Ion Ratio Lower Upper

83 100

55 71.0 59.9 89.9

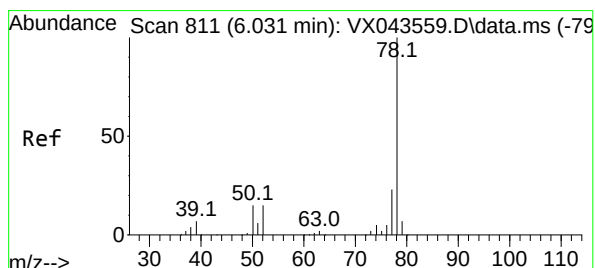
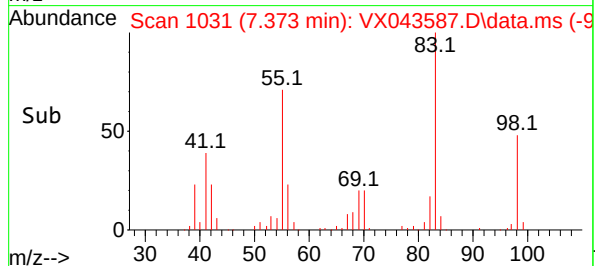
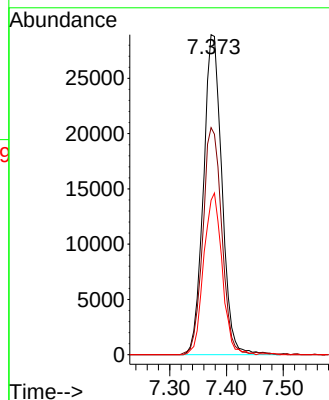
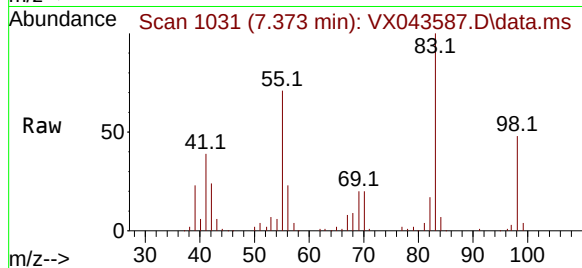
98 48.3 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#40

Benzene

Concen: 19.451 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043587.D

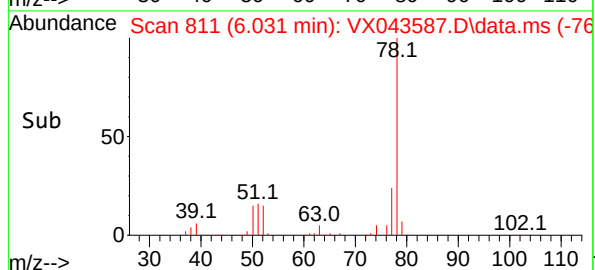
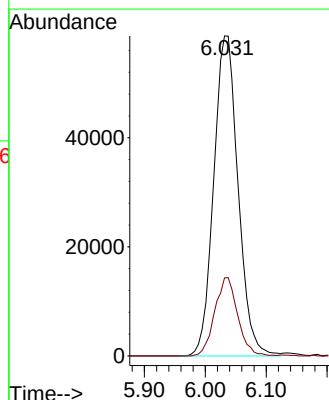
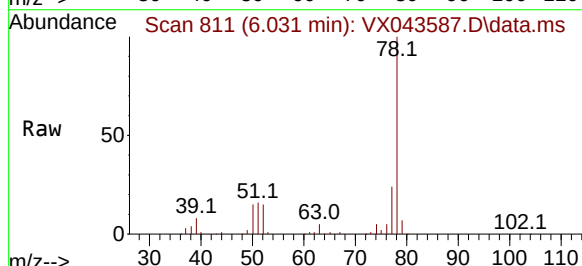
Acq: 29 Oct 2024 11:20

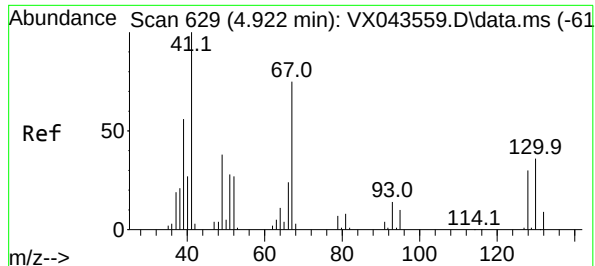
Tgt Ion: 78 Resp: 162811

Ion Ratio Lower Upper

78 100

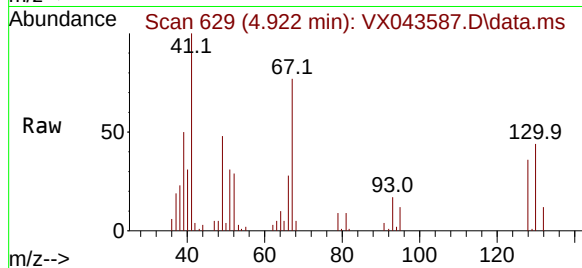
77 24.4 18.4 27.6





#41
Methacrylonitrile
Concen: 18.975 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

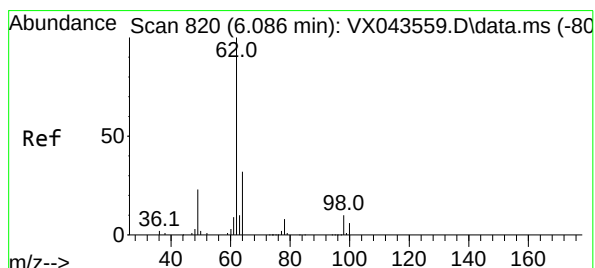
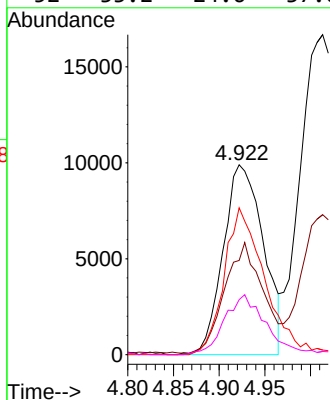
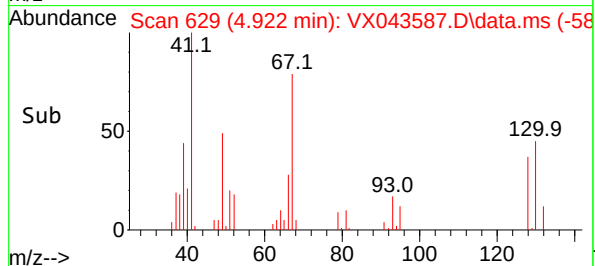
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01



Tgt Ion: 41 Resp: 30340
Ion Ratio Lower Upper
41 100
39 54.7 43.5 65.3
67 78.2 58.3 87.5
52 33.2 24.6 37.0

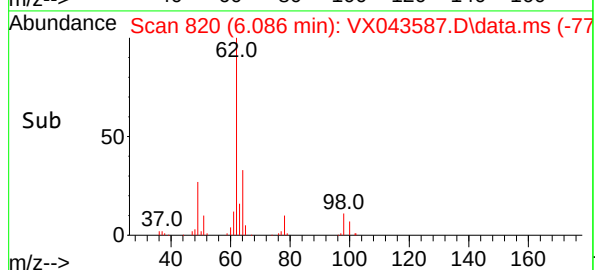
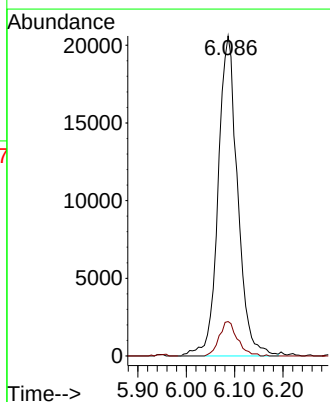
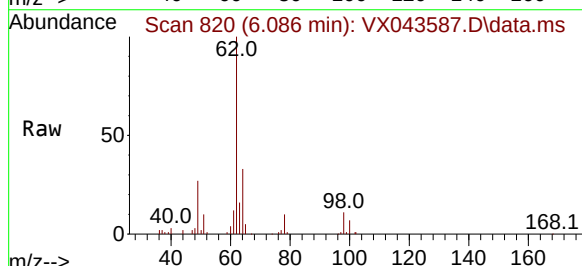
Manual Integrations
APPROVED

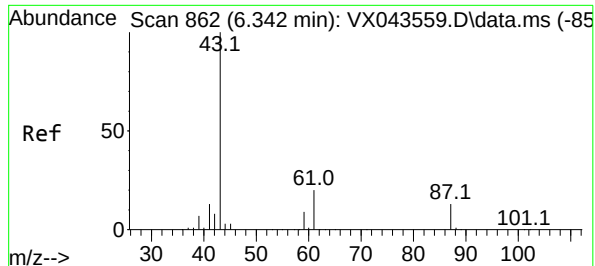
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#42
1,2-Dichloroethane
Concen: 19.172 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 62 Resp: 57693
Ion Ratio Lower Upper
62 100
98 10.0 0.0 18.8





#43

Isopropyl Acetate

Concen: 18.732 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 43 Resp: 9436

Ion Ratio Lower Upper

43 100

61 21.7 16.2 24.4

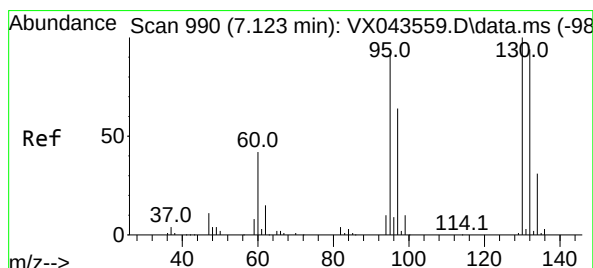
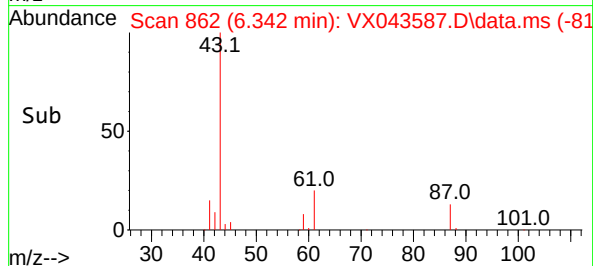
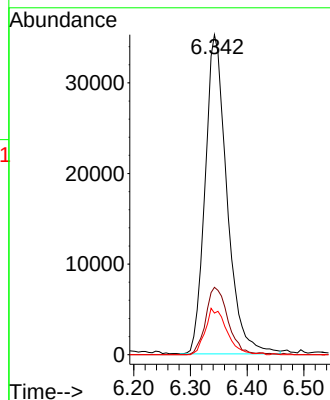
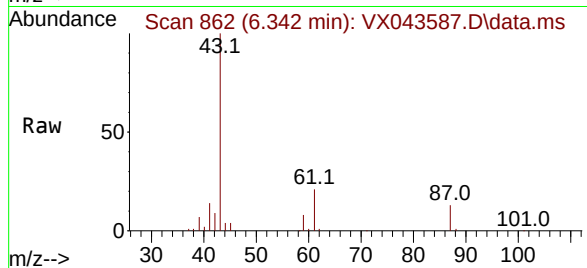
87 14.1 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#44

Trichloroethene

Concen: 19.513 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043587.D

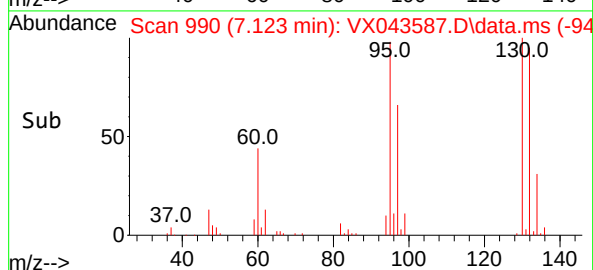
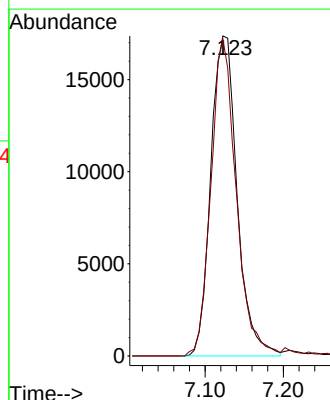
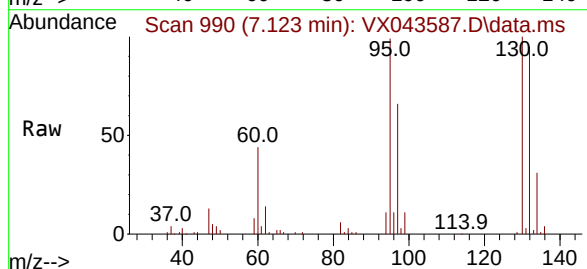
Acq: 29 Oct 2024 11:20

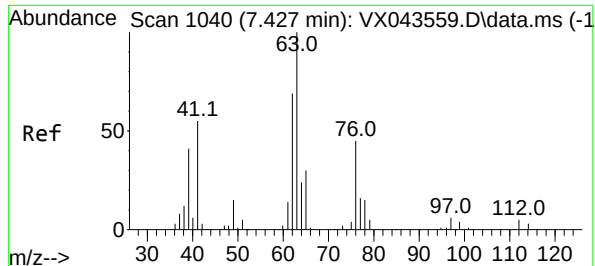
Tgt Ion:130 Resp: 40576

Ion Ratio Lower Upper

130 100

95 98.9 0.0 202.6





#45

1,2-Dichloropropane

Concen: 19.061 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 63 Resp: 39280

Ion Ratio Lower Upper

63 100

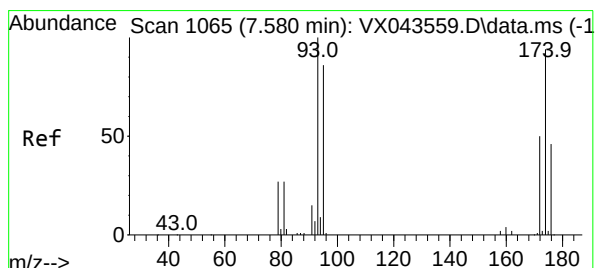
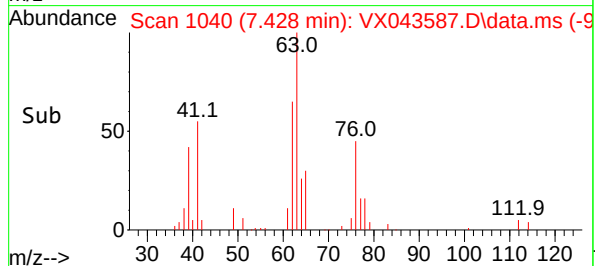
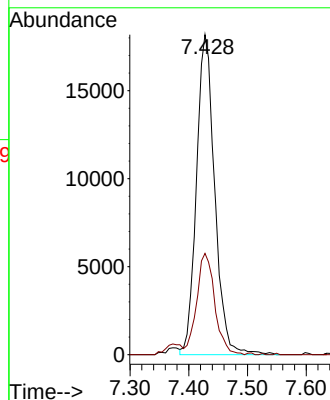
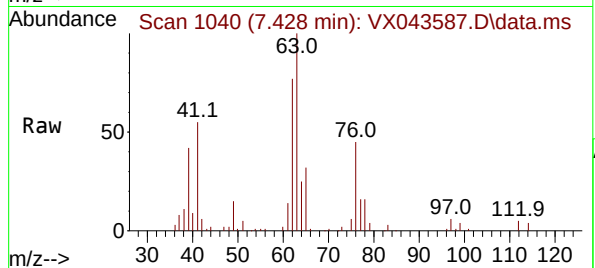
65 31.6 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#46

Dibromomethane

Concen: 19.039 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

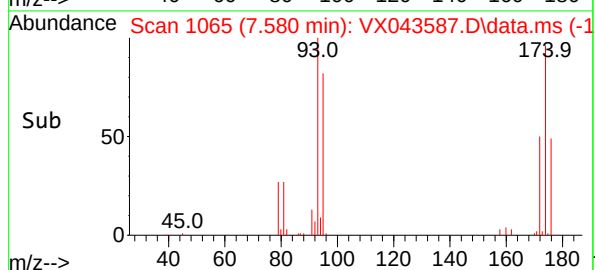
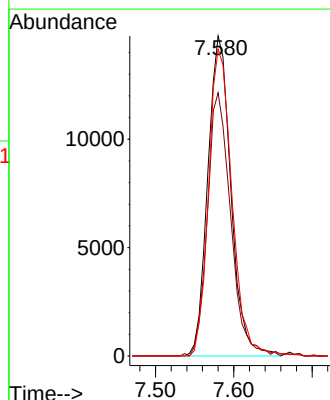
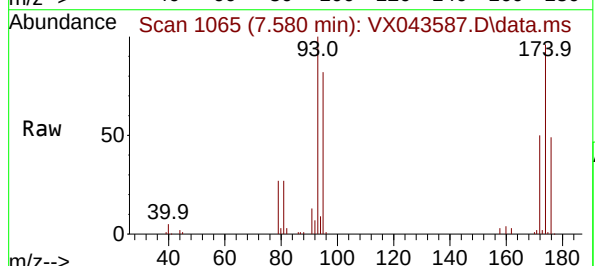
Tgt Ion: 93 Resp: 30214

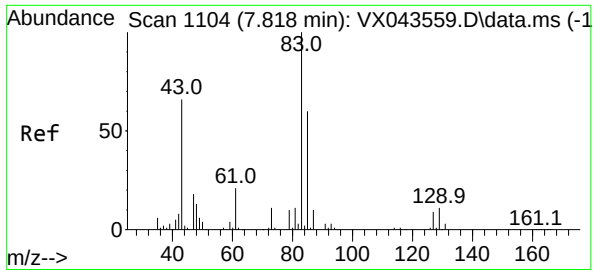
Ion Ratio Lower Upper

93 100

95 83.1 66.4 99.6

174 97.2 75.0 112.4





#47

Bromodichloromethane

Concen: 18.918 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

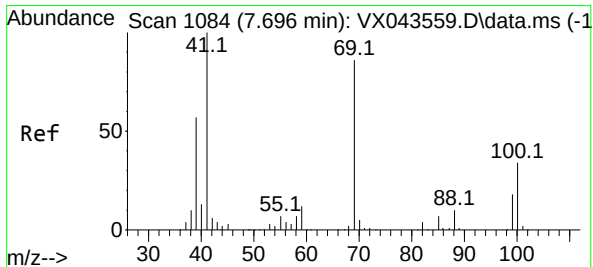
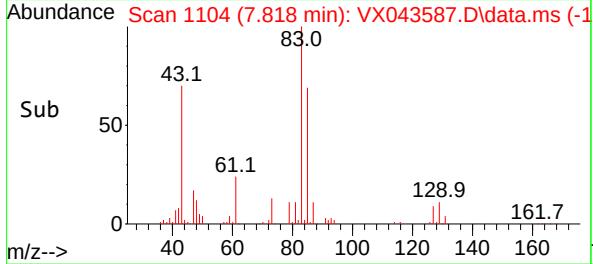
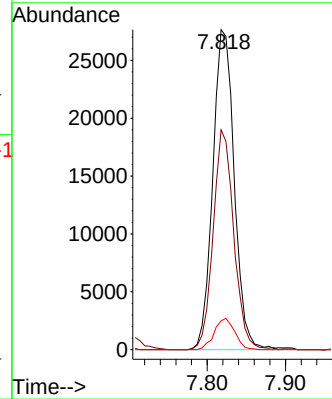
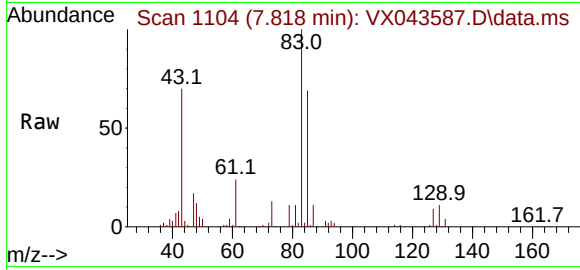
VX1029WBSD01

Tgt Ion: 83	Resp: 5266
Ion Ratio	Lower Upper
83 100	
85 68.7	52.2 78.4
127 9.0	7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024



#48

Methyl methacrylate

Concen: 18.984 ug/l

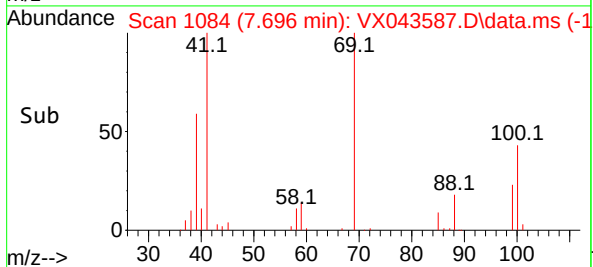
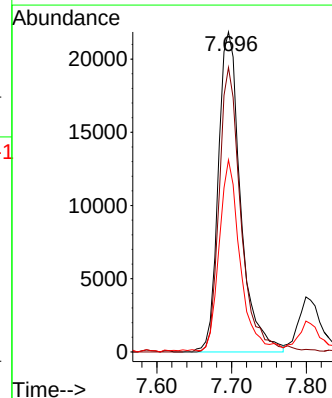
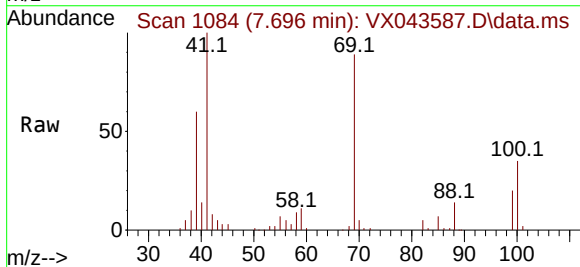
RT: 7.696 min Scan# 1084

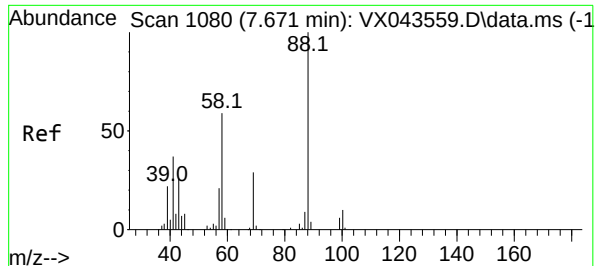
Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Tgt Ion: 41	Resp: 45342
Ion Ratio	Lower Upper
41 100	
69 87.3	67.7 101.5
39 57.8	46.3 69.5





#49

1,4-Dioxane

Concen: 465.320 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 88 Resp: 2283

Ion Ratio Lower Upper

88 100

43 31.6 25.3 37.9

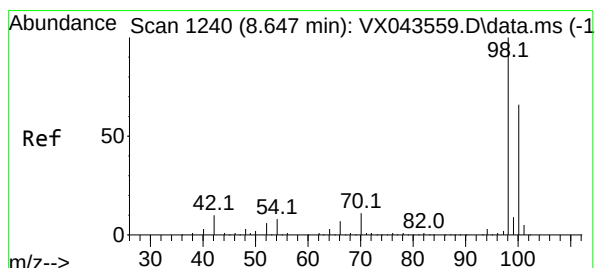
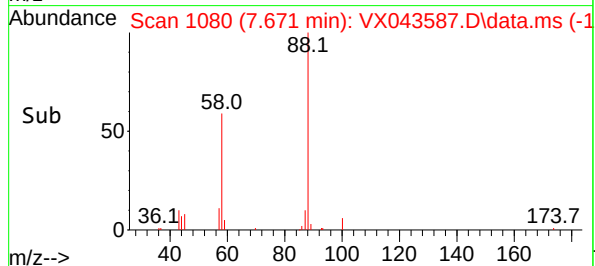
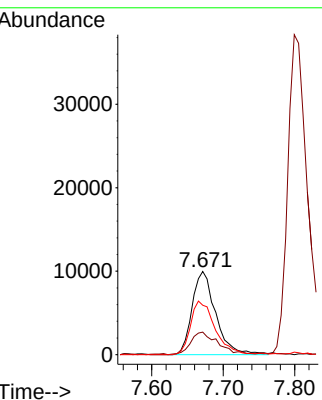
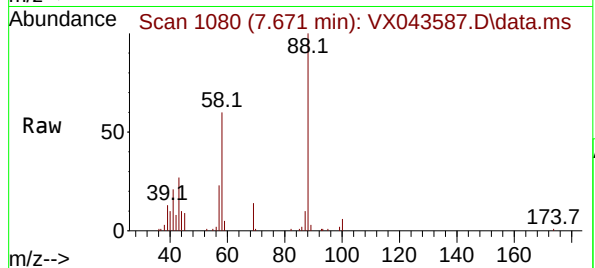
58 66.6 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#50

Toluene-d8

Concen: 50.025 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043587.D

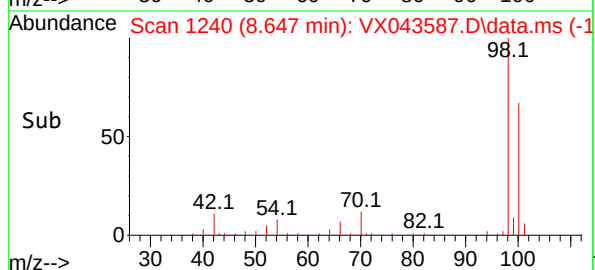
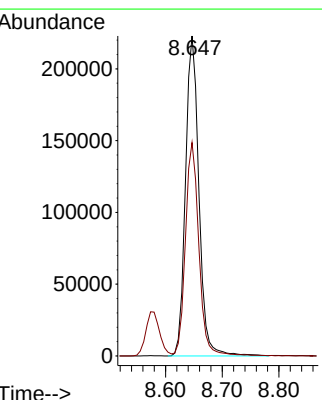
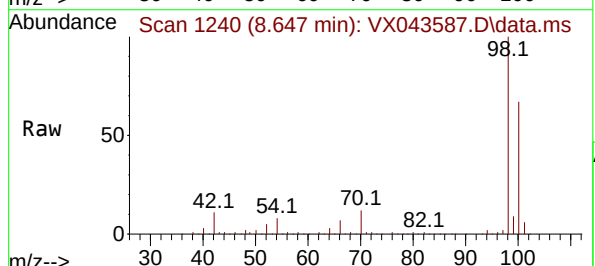
Acq: 29 Oct 2024 11:20

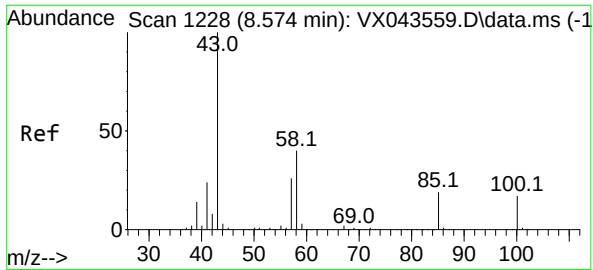
Tgt Ion: 98 Resp: 366426

Ion Ratio Lower Upper

98 100

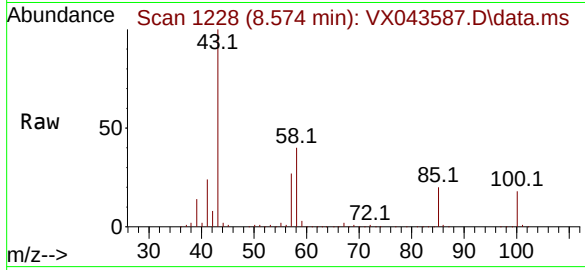
100 66.9 53.4 80.2





#51
4-Methyl-2-Pentanone
Concen: 98.818 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

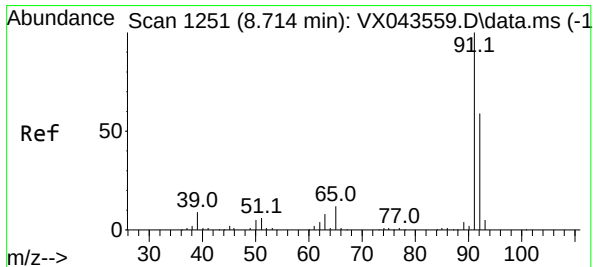
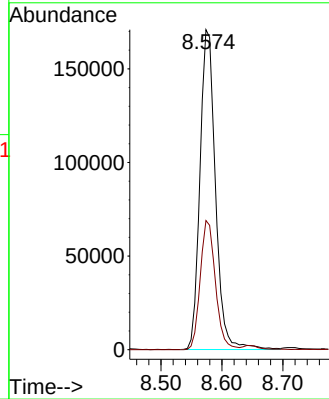
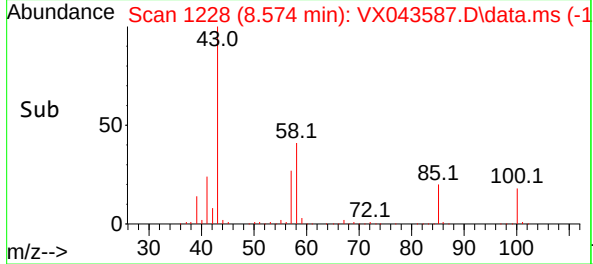
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01



Tgt Ion: 43 Resp: 303410
Ion Ratio Lower Upper
43 100
58 39.4 31.7 47.5

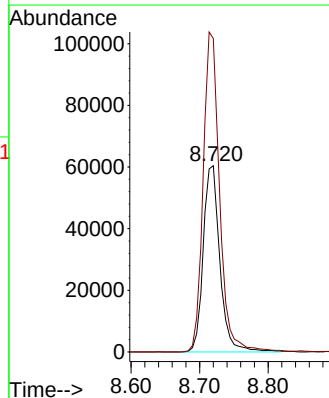
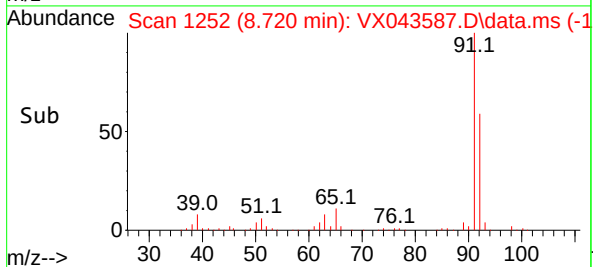
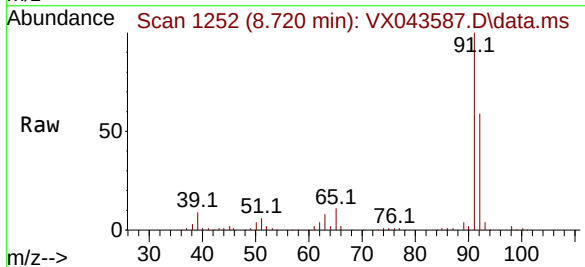
Manual Integrations
APPROVED

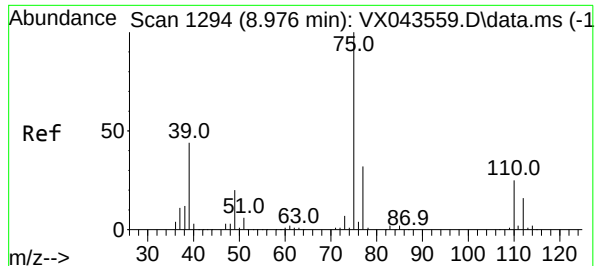
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#52
Toluene
Concen: 20.164 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 92 Resp: 102358
Ion Ratio Lower Upper
92 100
91 169.9 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 19.136 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 75 Resp: 57218

Ion Ratio Lower Upper

75 100

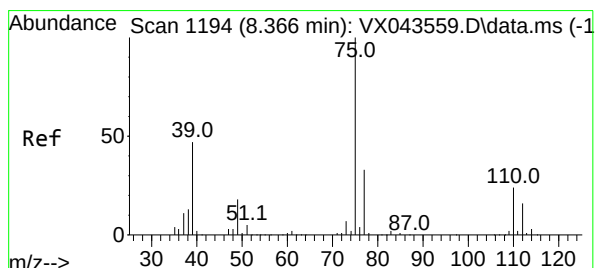
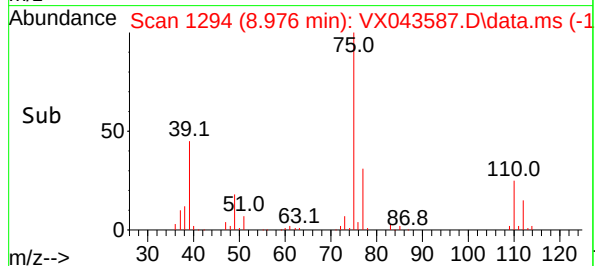
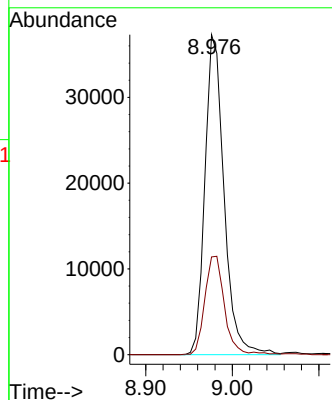
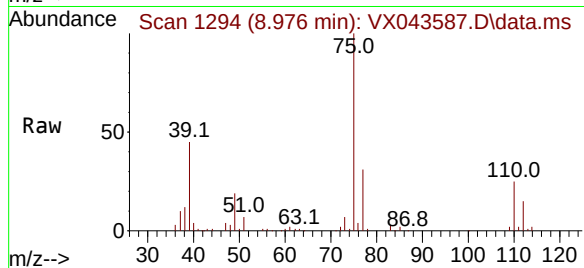
77 30.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#54

cis-1,3-Dichloropropene

Concen: 20.128 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

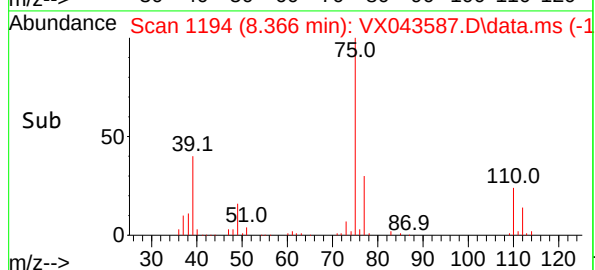
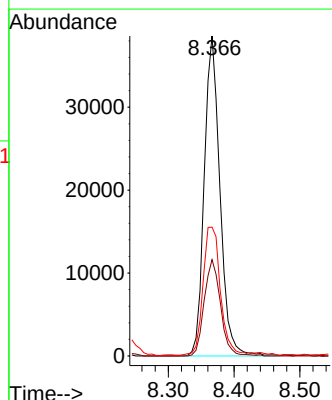
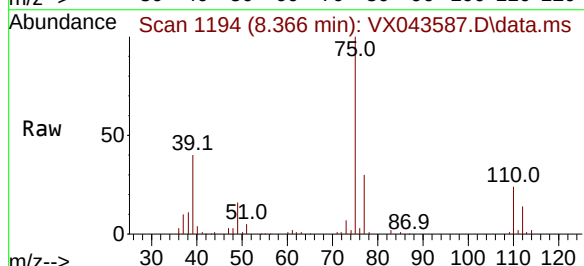
Tgt Ion: 75 Resp: 64125

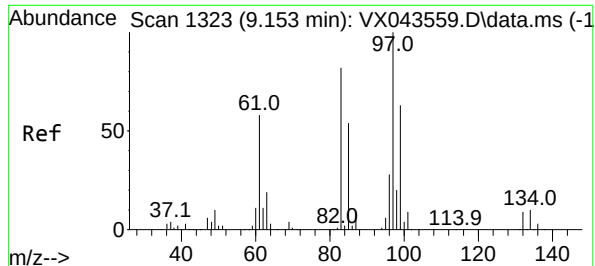
Ion Ratio Lower Upper

75 100

77 30.1 24.8 37.2

39 40.0 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 20.290 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 97 Resp: 42874

Ion Ratio Lower Upper

97 100

83 78.7 67.3 100.9

85 55.6 43.6 65.4

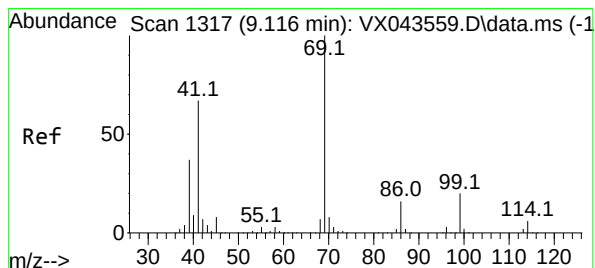
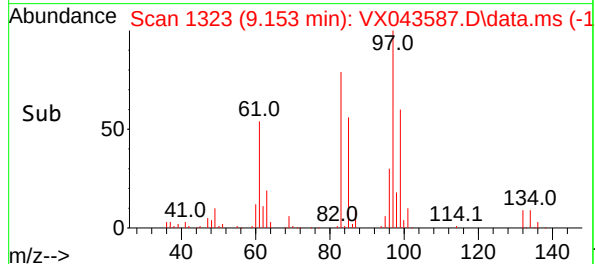
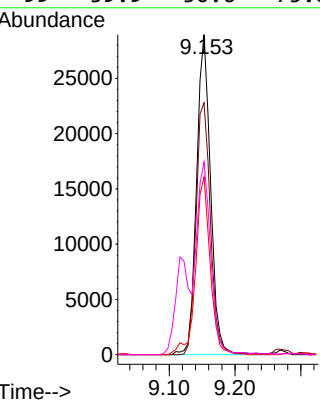
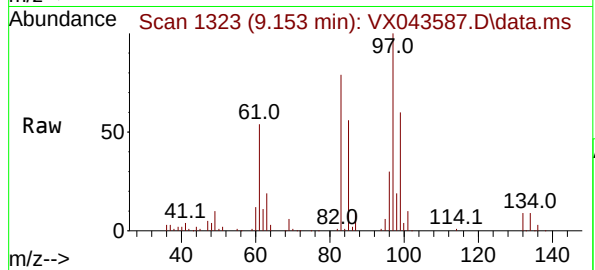
99 59.9 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#56

Ethyl methacrylate

Concen: 19.564 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

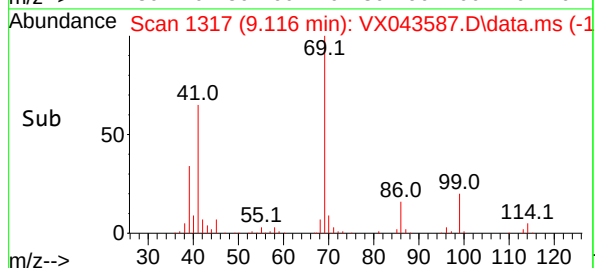
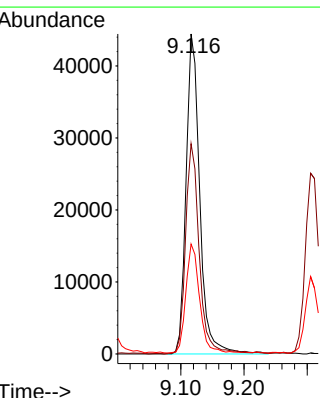
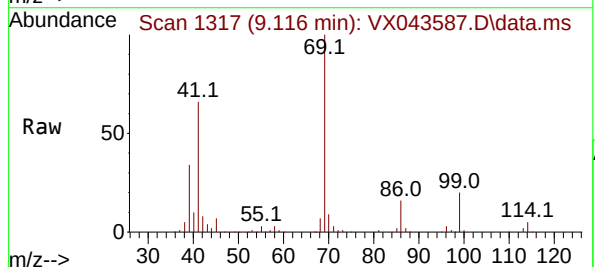
Tgt Ion: 69 Resp: 67171

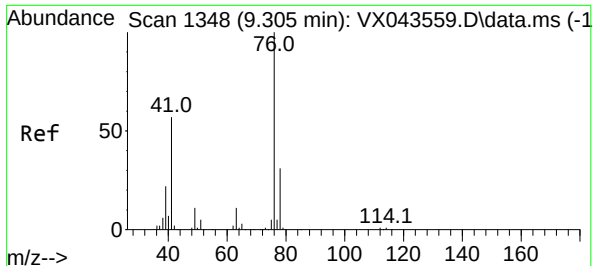
Ion Ratio Lower Upper

69 100

41 65.7 53.8 80.8

39 34.0 29.9 44.9





#57

1,3-Dichloropropane

Concen: 19.741 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 76 Resp: 69379

Ion Ratio Lower Upper

76 100

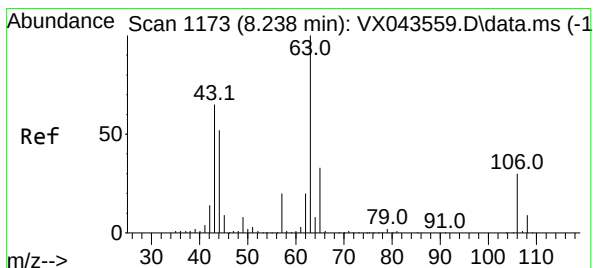
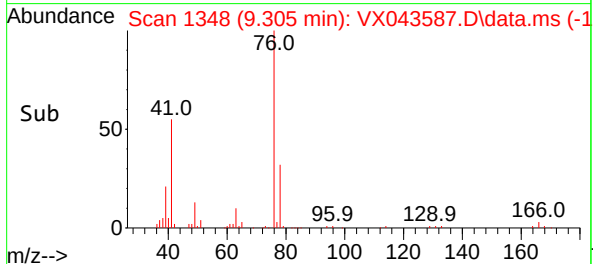
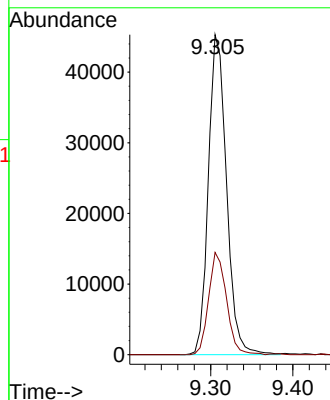
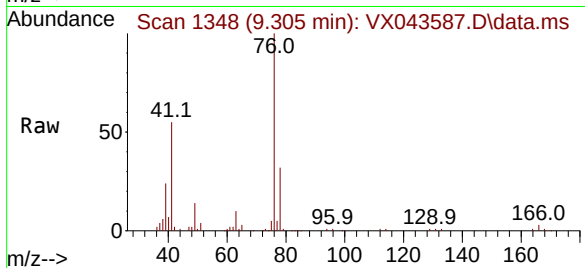
78 31.5 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#58

2-Chloroethyl Vinyl ether

Concen: 96.934 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043587.D

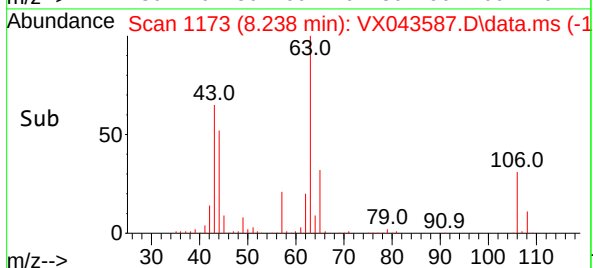
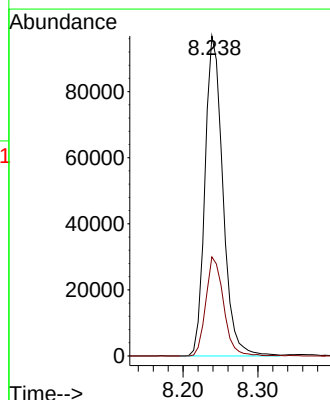
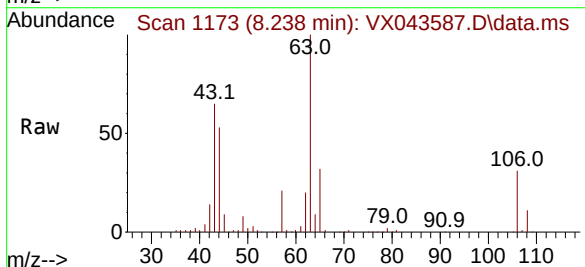
Acq: 29 Oct 2024 11:20

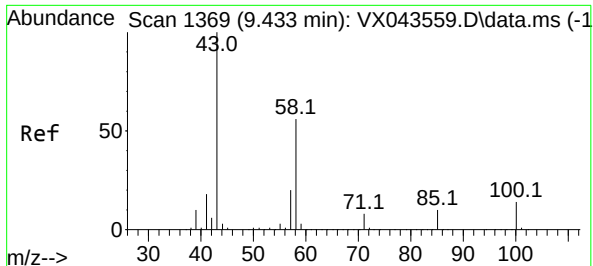
Tgt Ion: 63 Resp: 161188

Ion Ratio Lower Upper

63 100

106 30.6 23.6 35.4





#59

2-Hexanone

Concen: 101.166 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 43 Resp: 235915

Ion Ratio Lower Upper

43 100

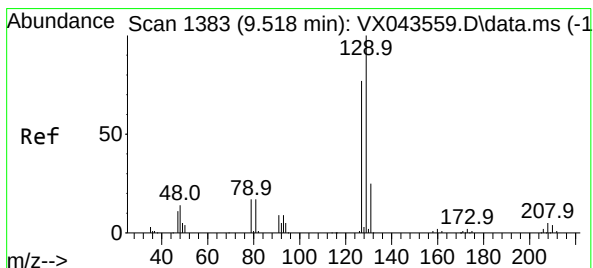
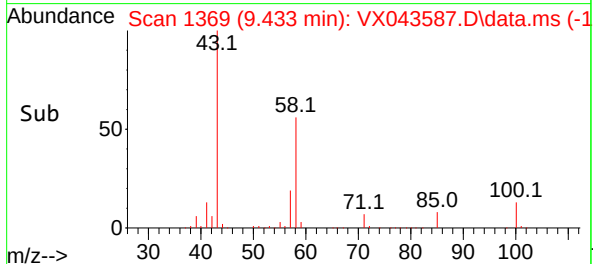
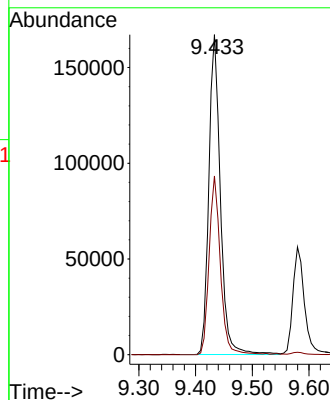
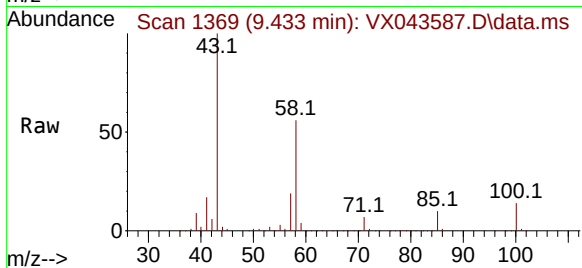
58 55.0 27.5 82.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#60

Dibromochloromethane

Concen: 19.595 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043587.D

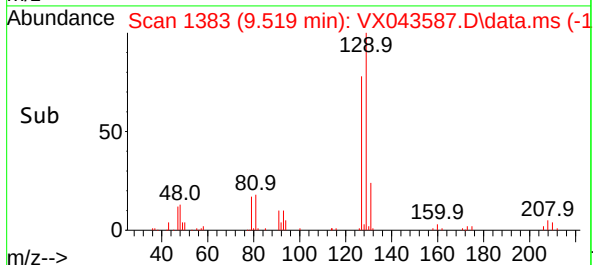
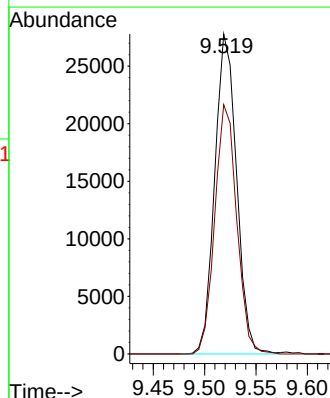
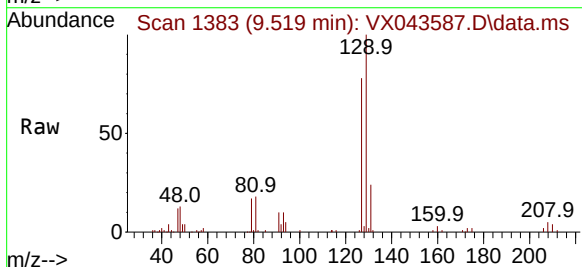
Acq: 29 Oct 2024 11:20

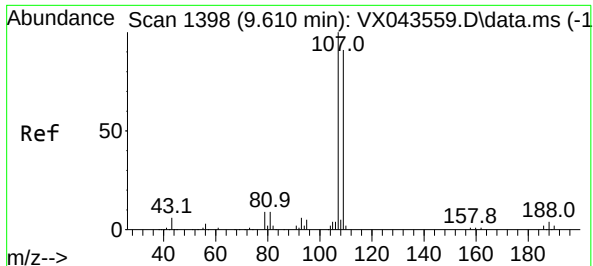
Tgt Ion:129 Resp: 41001

Ion Ratio Lower Upper

129 100

127 78.3 38.4 115.1





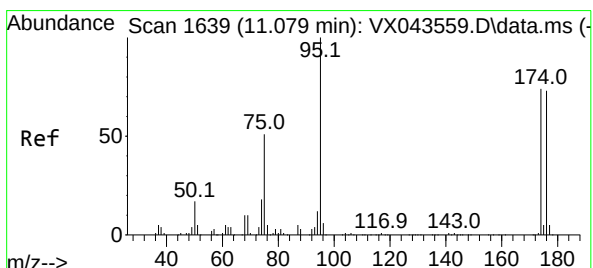
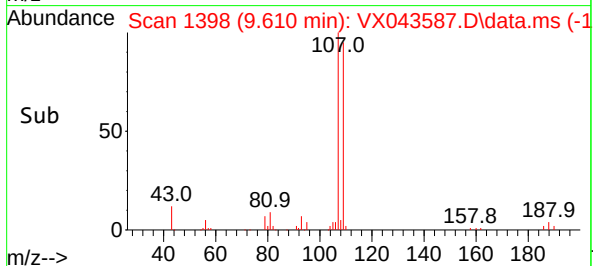
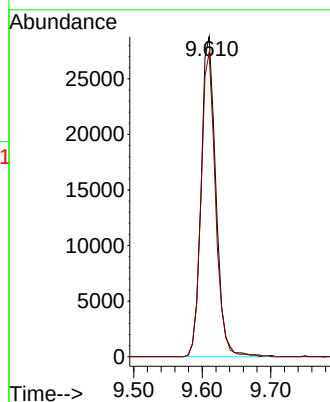
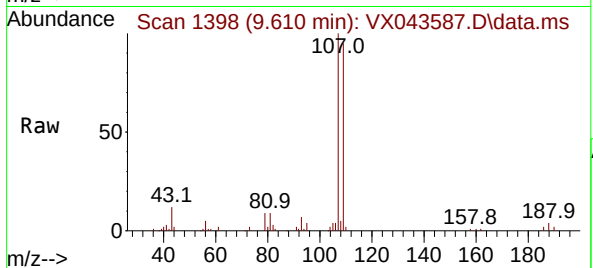
#61
1,2-Dibromoethane
Concen: 19.655 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:107 Resp: 4311
Ion Ratio Lower Upper
107 100
109 93.7 77.1 115.7

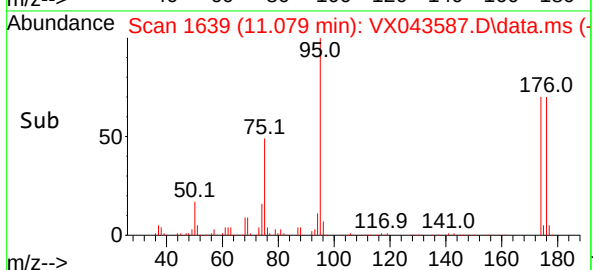
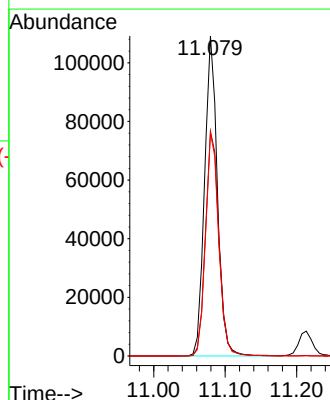
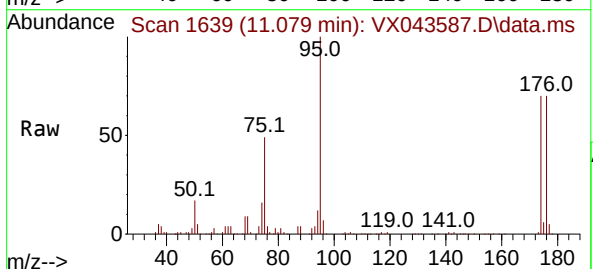
Manual Integrations
APPROVED

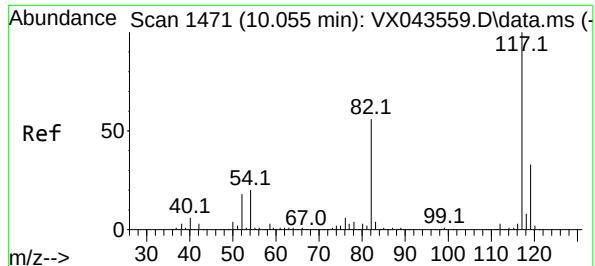
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#62
4-Bromofluorobenzene
Concen: 50.055 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 95 Resp: 135860
Ion Ratio Lower Upper
95 100
174 74.0 0.0 146.6
176 71.6 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

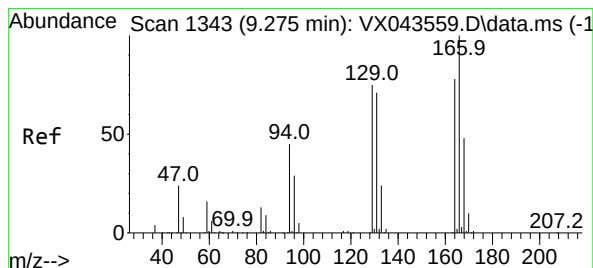
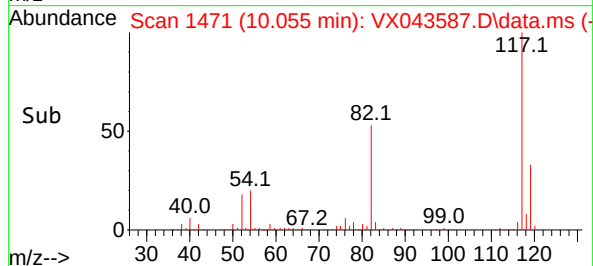
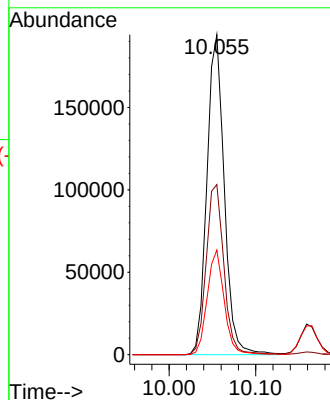
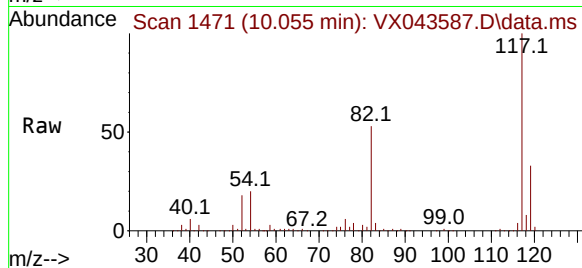
Tgt Ion:117 Resp: 27000

Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.1	63.1
119	32.7	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#64

Tetrachloroethene

Concen: 21.083 ug/l

RT: 9.275 min Scan# 1343

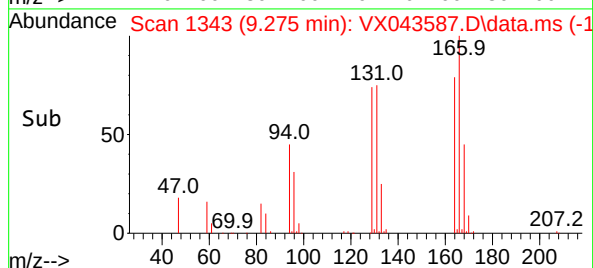
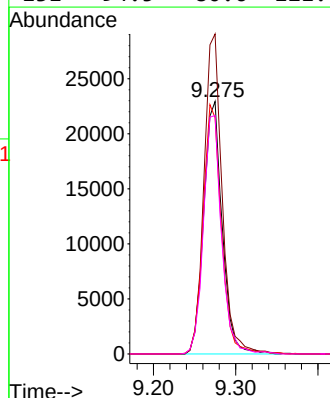
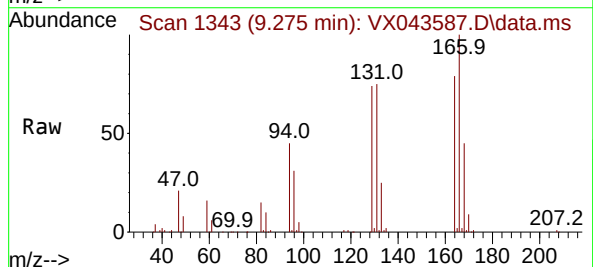
Delta R.T. 0.006 min

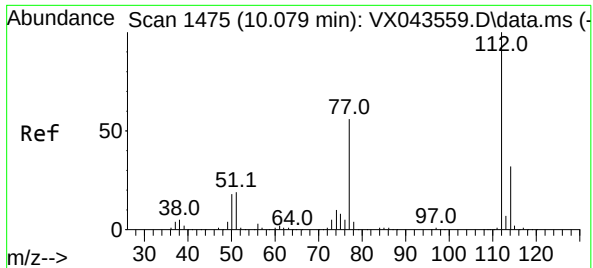
Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Tgt Ion:164 Resp: 35803

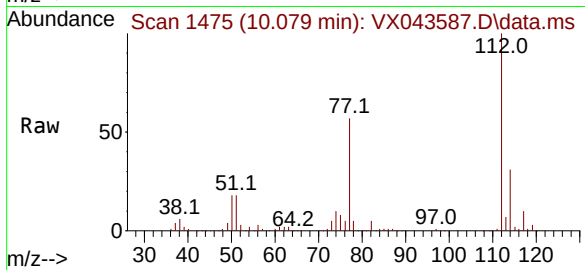
Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.8	155.6
129	93.5	83.8	125.6
131	94.5	80.6	121.0





#65
Chlorobenzene
Concen: 19.776 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

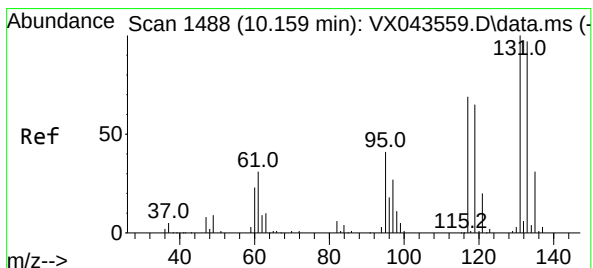
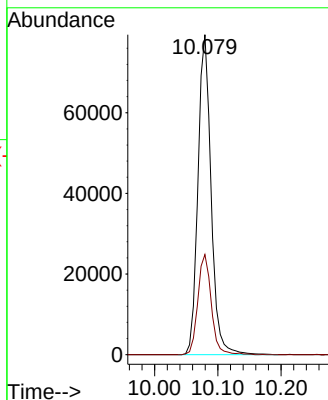
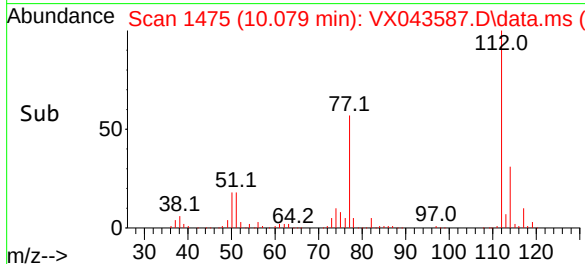
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01



Tgt Ion:112 Resp: 114879
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6

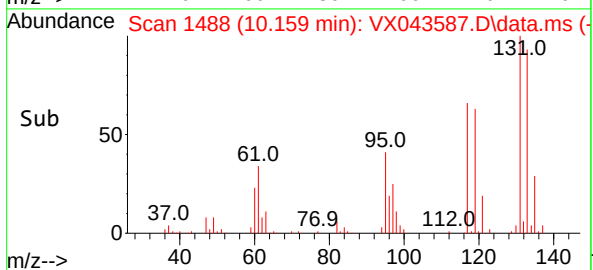
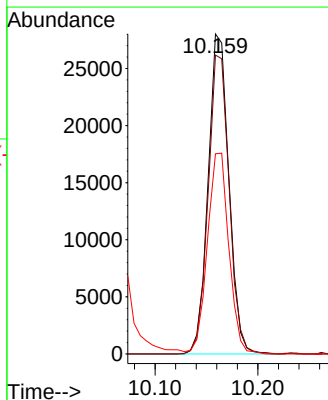
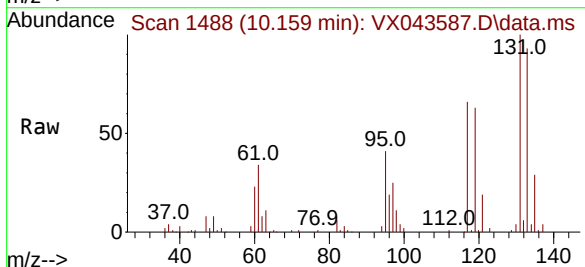
Manual Integrations
APPROVED

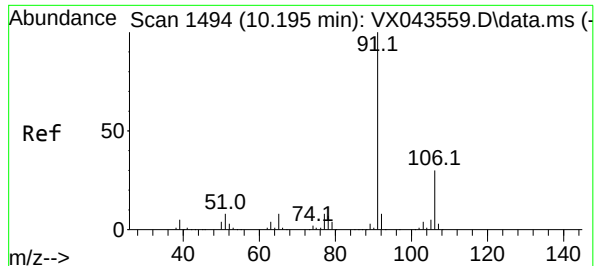
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 20.689 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:131 Resp: 39255
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 64.8 32.3 96.9





#67

Ethyl Benzene

Concen: 20.237 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 91 Resp: 191684

Ion Ratio Lower Upper

91 100

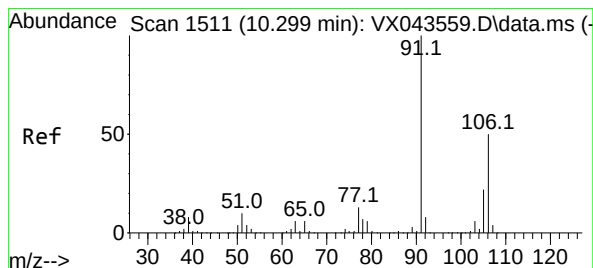
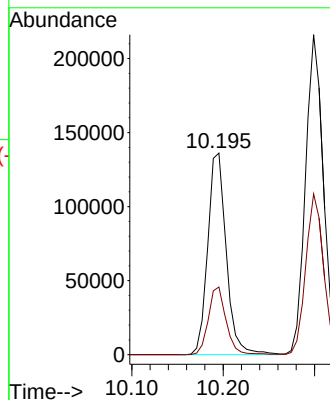
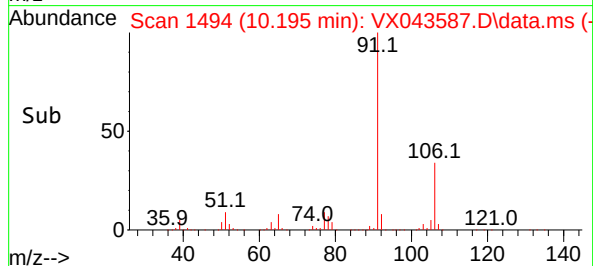
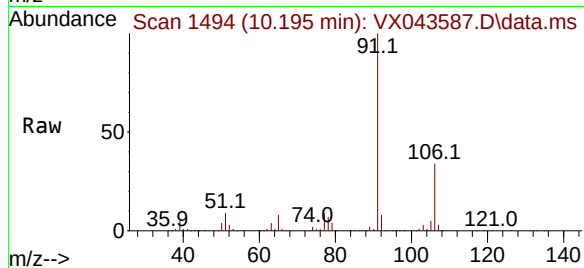
106 33.6 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#68

m/p-Xylenes

Concen: 41.895 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043587.D

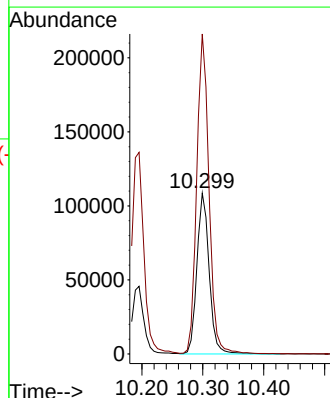
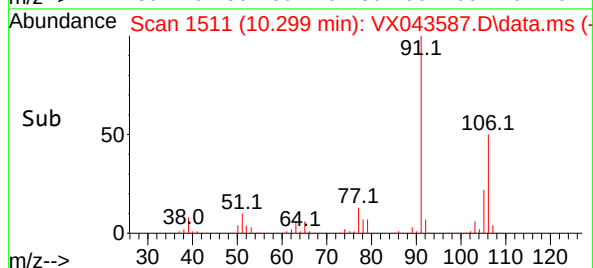
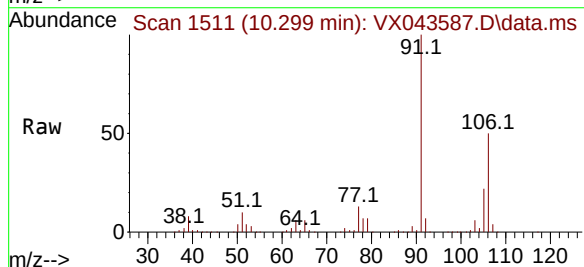
Acq: 29 Oct 2024 11:20

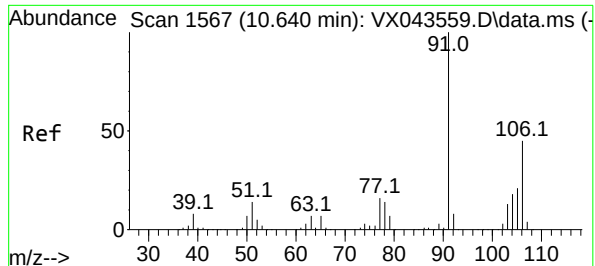
Tgt Ion:106 Resp: 151758

Ion Ratio Lower Upper

106 100

91 197.9 164.7 247.1





#69

o-Xylene

Concen: 20.836 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion:106 Resp: 7583

Ion Ratio Lower Upper

106 100

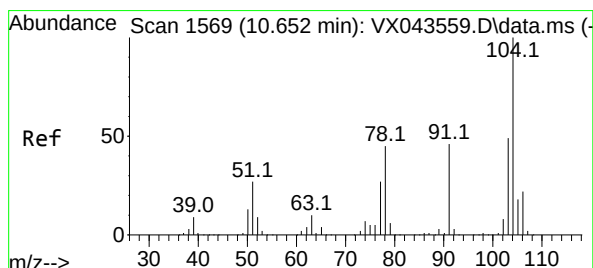
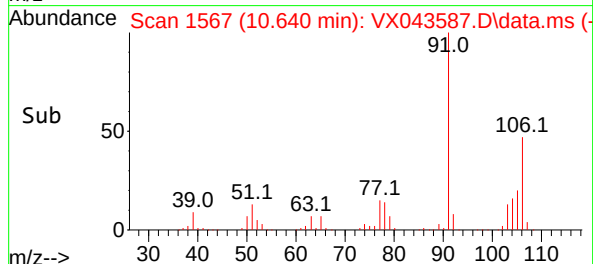
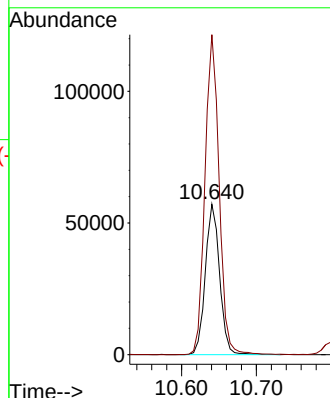
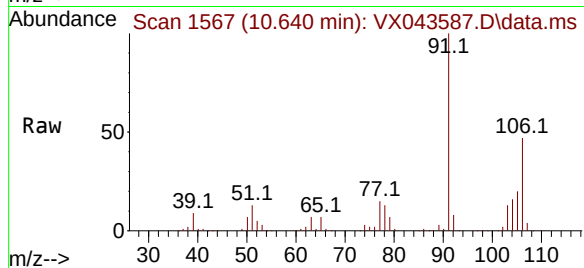
91 210.7 107.9 323.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#70

Styrene

Concen: 20.534 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

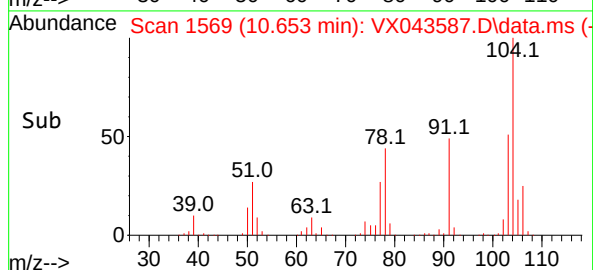
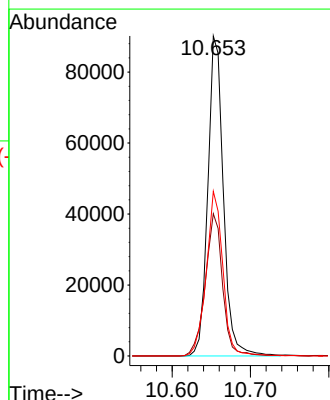
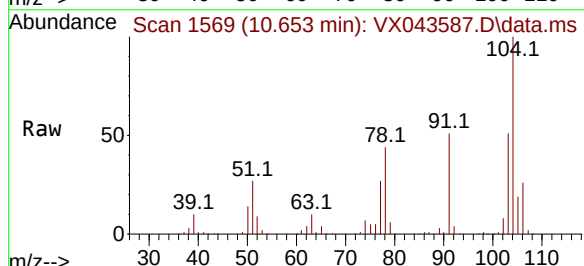
Tgt Ion:104 Resp: 124213

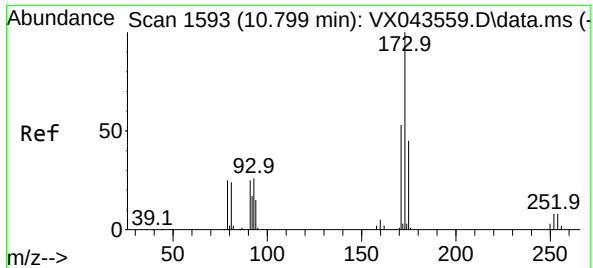
Ion Ratio Lower Upper

104 100

78 49.5 40.0 60.0

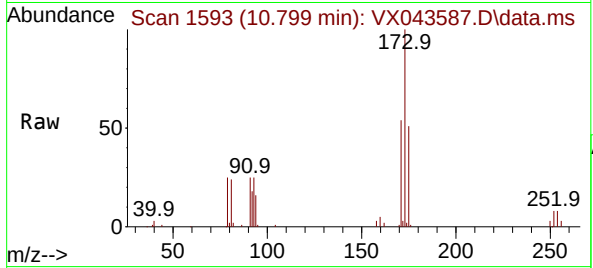
103 54.9 43.4 65.0





#71
Bromoform
Concen: 18.805 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

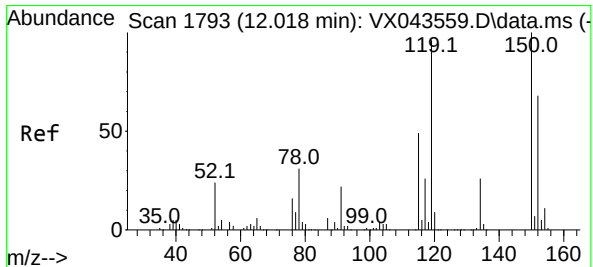
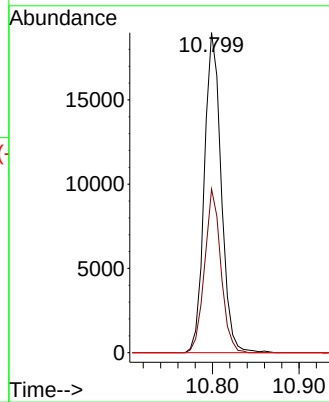
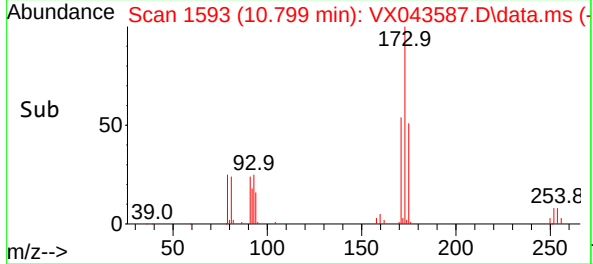
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01



Tgt Ion:173 Resp: 2565
Ion Ratio Lower Upper
173 100
175 49.3 23.3 69.9
254 0.0 0.0 0.0

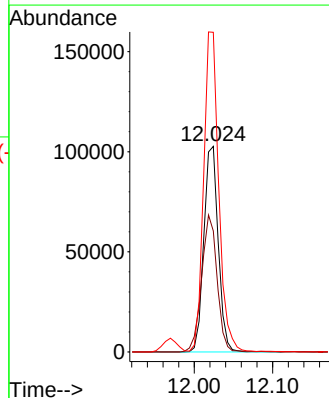
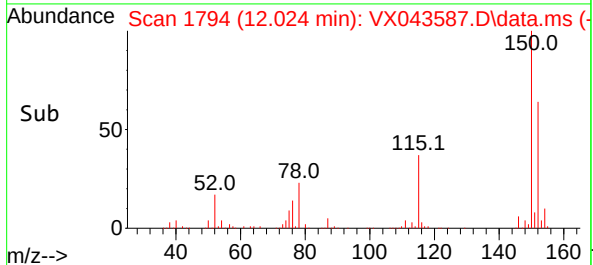
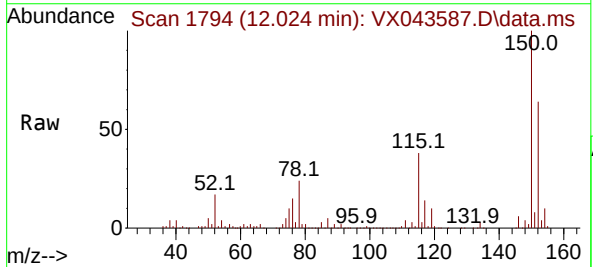
Manual Integrations
APPROVED

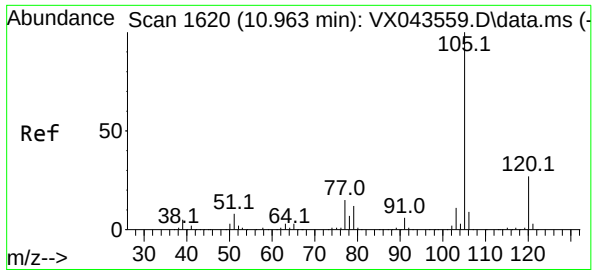
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

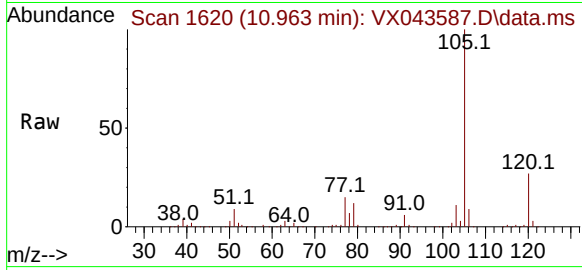
Tgt Ion:152 Resp: 131226
Ion Ratio Lower Upper
152 100
115 71.2 42.9 128.7
150 162.4 0.0 343.6





#73
Isopropylbenzene
Concen: 20.509 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

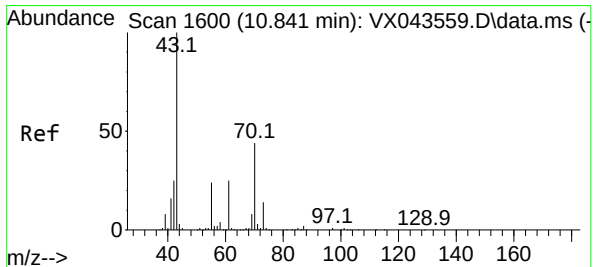
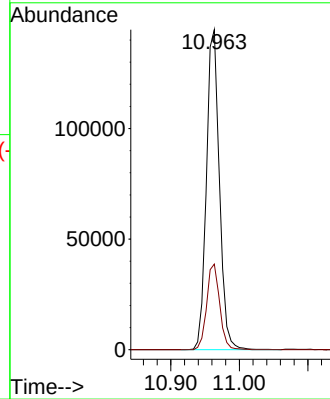
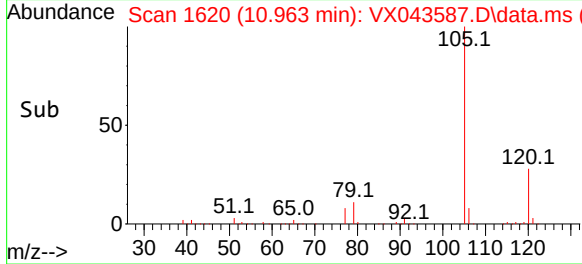
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01



Tgt Ion:105 Resp: 190648
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.6

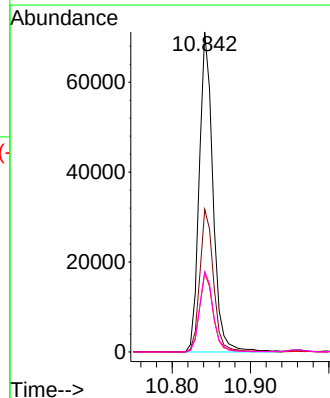
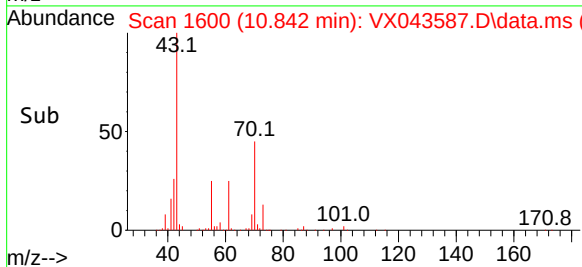
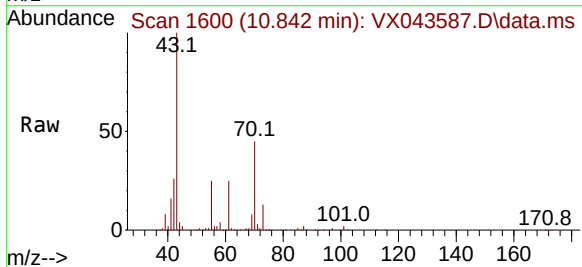
Manual Integrations
APPROVED

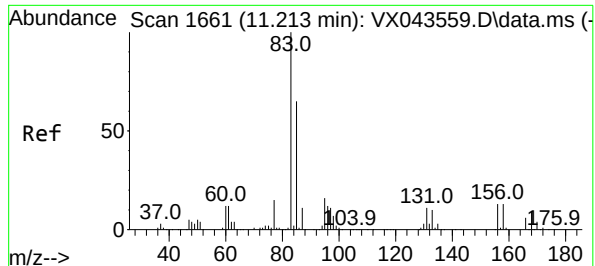
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#74
N-ethyl acetate
Concen: 19.182 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 43 Resp: 86862
Ion Ratio Lower Upper
43 100
70 44.4 34.6 52.0
55 24.7 19.6 29.4
61 25.0 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.563 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 83 Resp: 6539

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.9

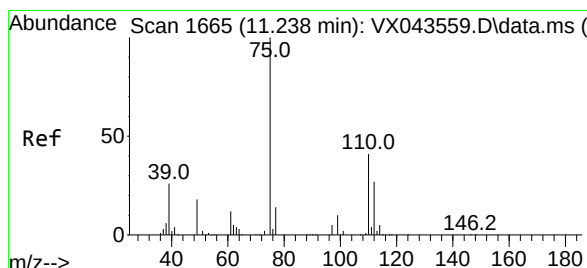
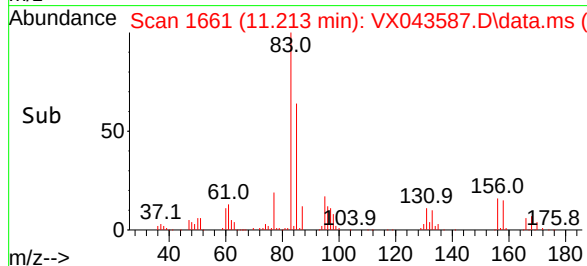
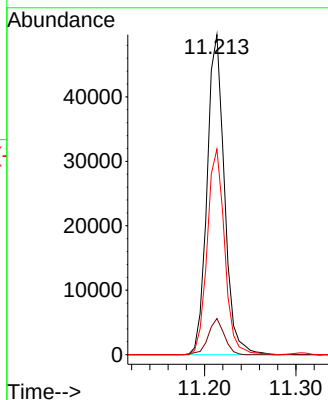
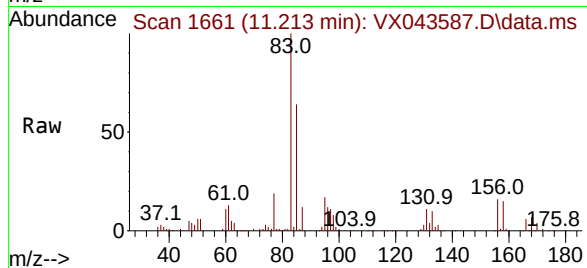
85 64.5 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#76

1,2,3-Trichloropropane

Concen: 18.859 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX043587.D

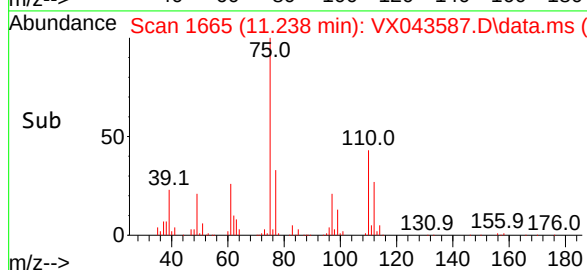
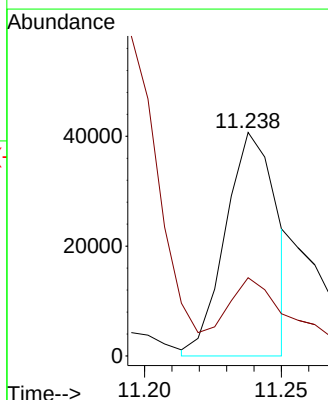
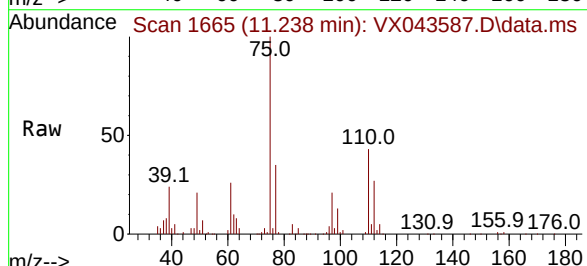
Acq: 29 Oct 2024 11:20

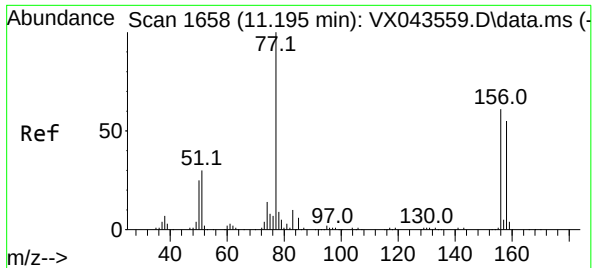
Tgt Ion: 75 Resp: 52914

Ion Ratio Lower Upper

75 100

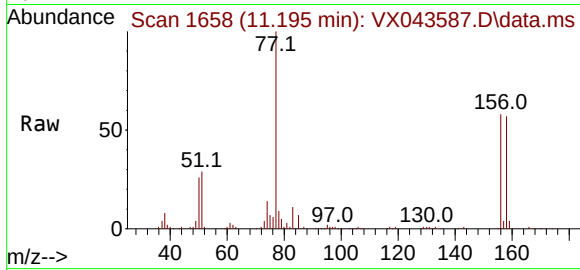
77 46.0 22.4 67.2





#77
Bromobenzene
Concen: 19.579 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

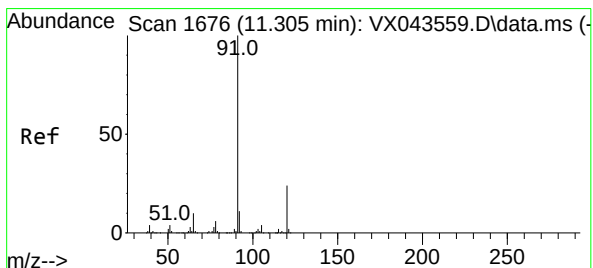
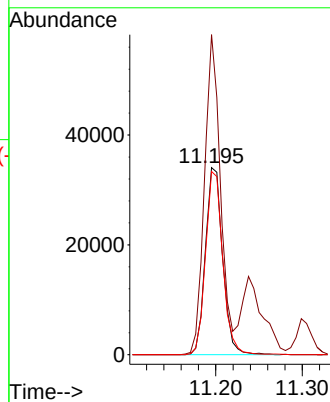
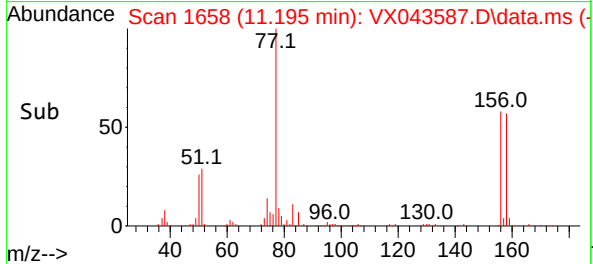
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01



Tgt Ion:156 Resp: 46994
Ion Ratio Lower Upper
156 100
77 158.2 79.7 239.1
158 98.1 48.0 144.0

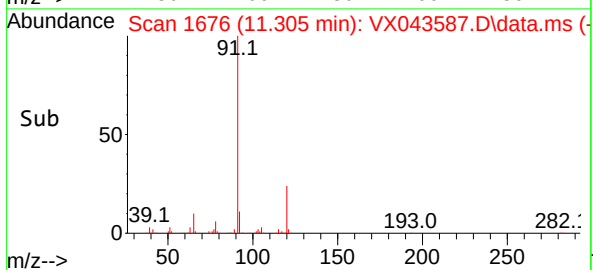
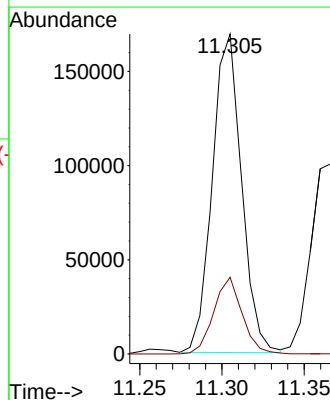
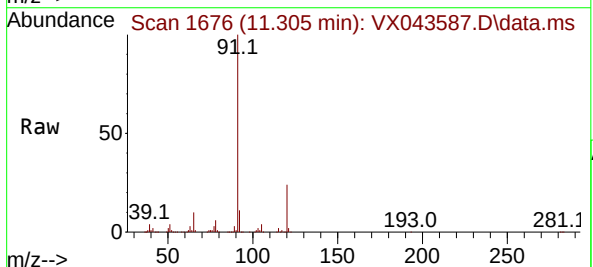
Manual Integrations
APPROVED

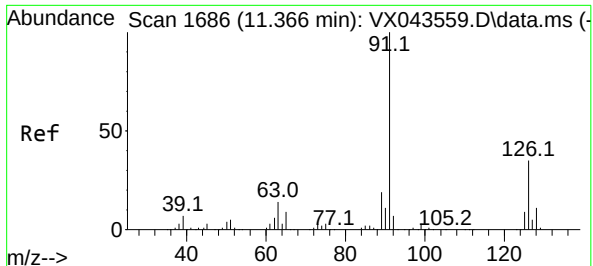
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#78
n-propylbenzene
Concen: 20.606 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 91 Resp: 208848
Ion Ratio Lower Upper
91 100
120 23.5 11.6 34.7





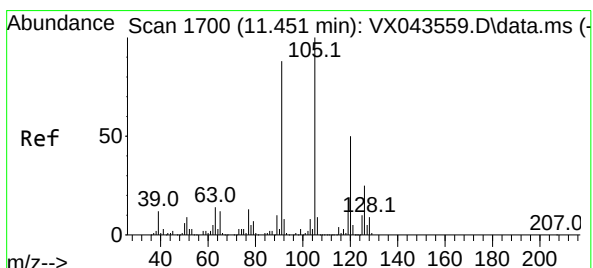
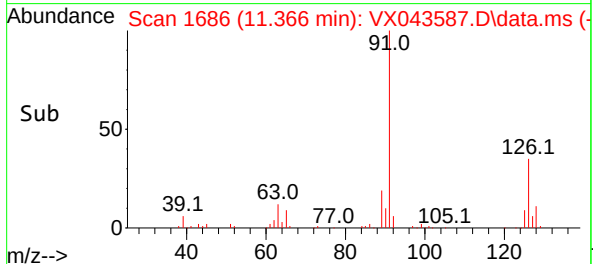
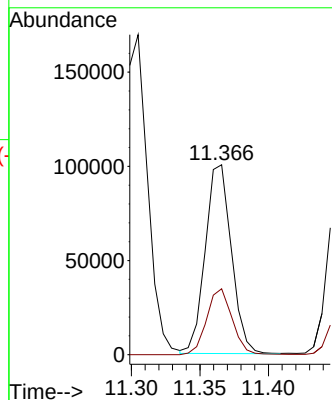
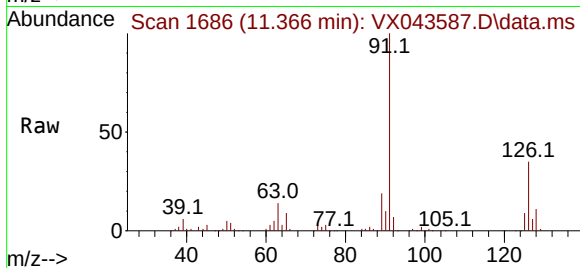
#79
2-Chlorotoluene
Concen: 19.846 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 91 Resp: 13337
Ion Ratio Lower Upper
91 100
126 34.1 16.7 50.0

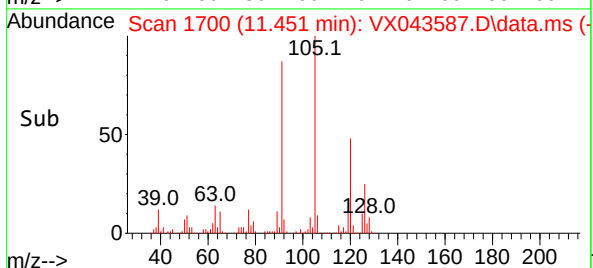
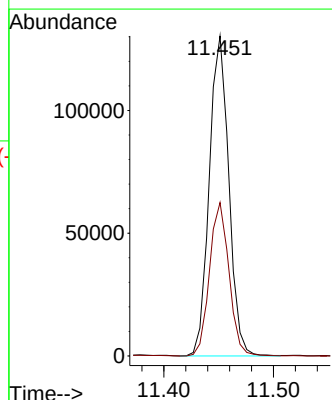
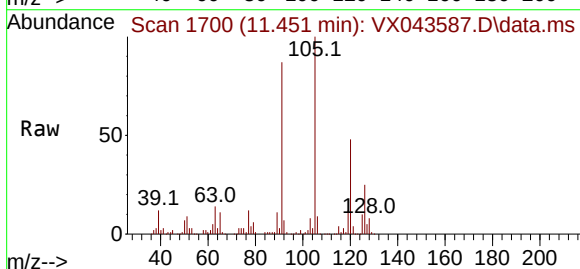
Manual Integrations
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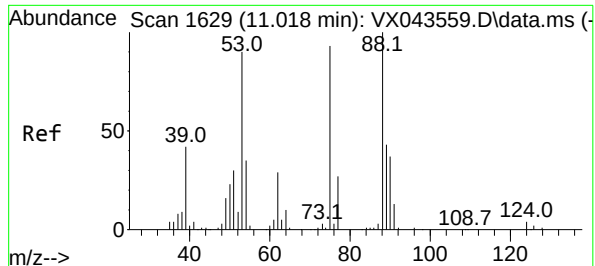
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#80
1,3,5-Trimethylbenzene
Concen: 20.806 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:105 Resp: 161261
Ion Ratio Lower Upper
105 100
120 47.8 23.8 71.5





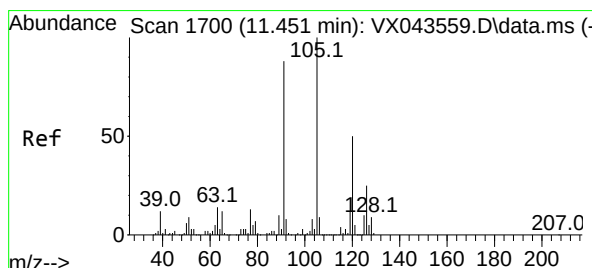
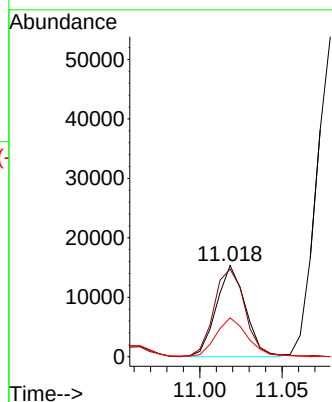
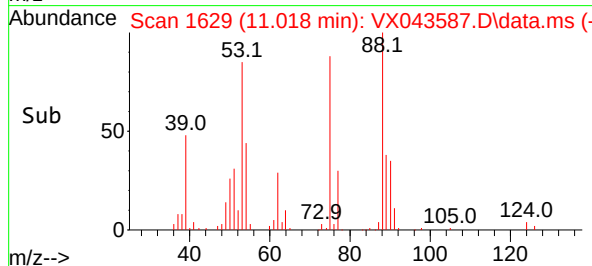
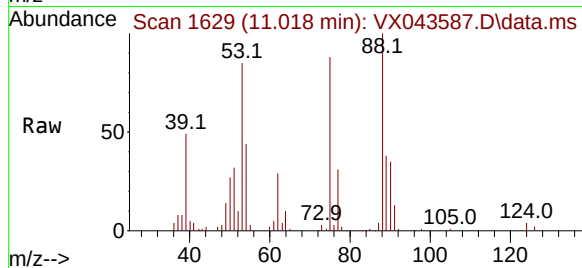
#81
trans-1,4-Dichloro-2-butene
Concen: 18.460 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 75 Resp: 1882
Ion Ratio Lower Upper
75 100
53 104.4 84.6 126.8
89 46.3 38.6 58.0

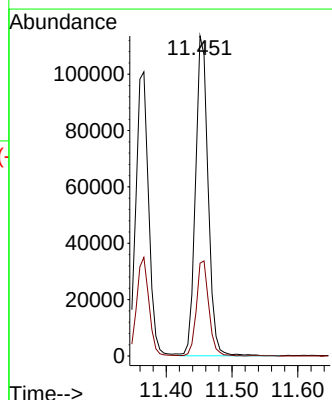
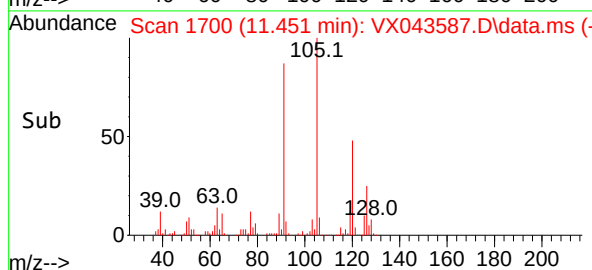
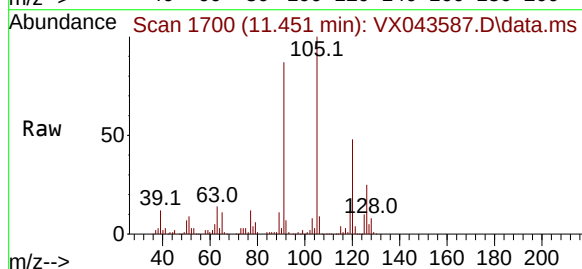
Manual Integrations
APPROVED

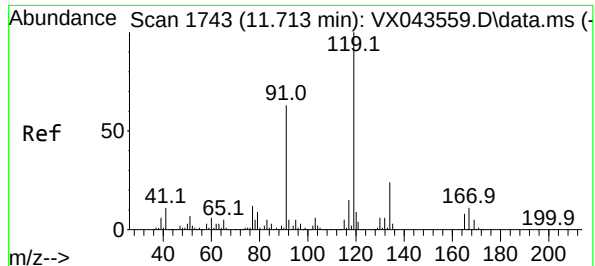
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#82
4-Chlorotoluene
Concen: 19.974 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 91 Resp: 150670
Ion Ratio Lower Upper
91 100
126 29.3 14.2 42.8





#83

tert-Butylbenzene

Concen: 21.037 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion:119 Resp: 165824

Ion Ratio Lower Upper

119 100

91 57.9 29.5 88.5

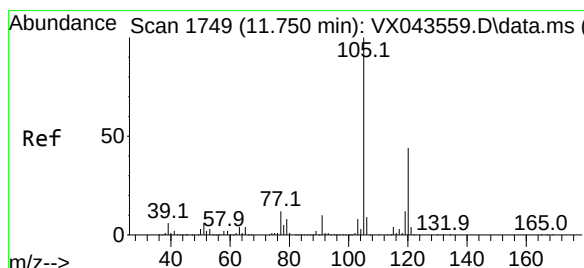
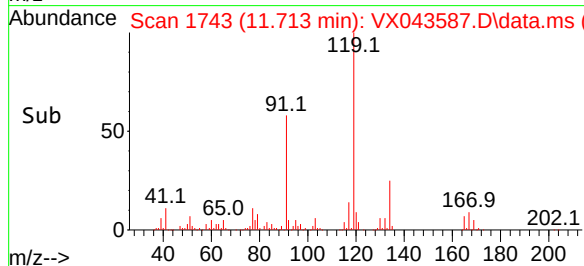
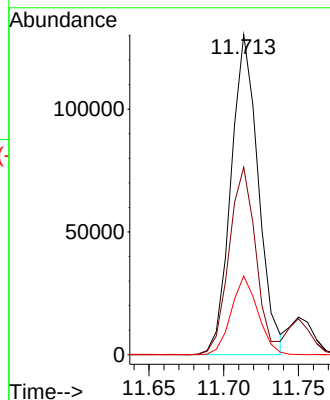
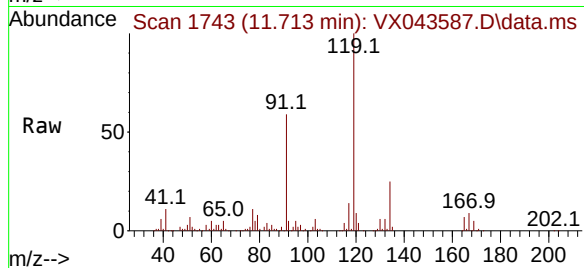
134 23.9 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#84

1,2,4-Trimethylbenzene

Concen: 20.749 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043587.D

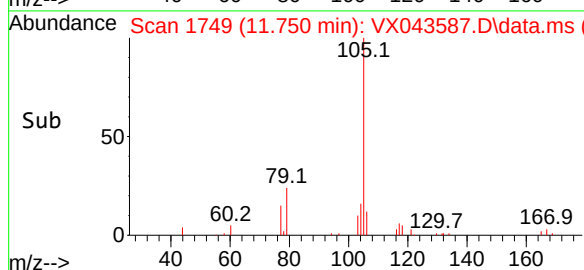
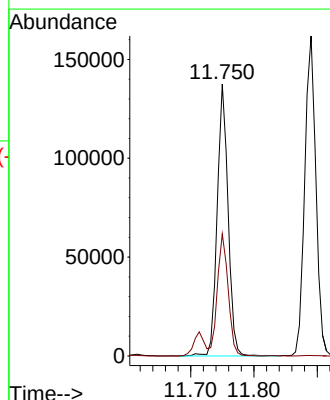
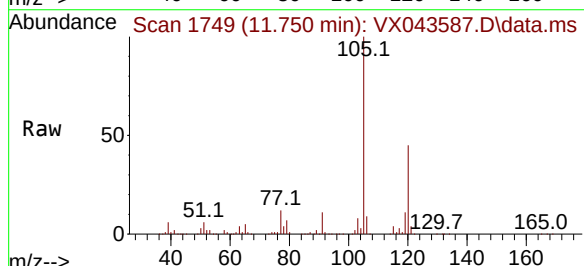
Acq: 29 Oct 2024 11:20

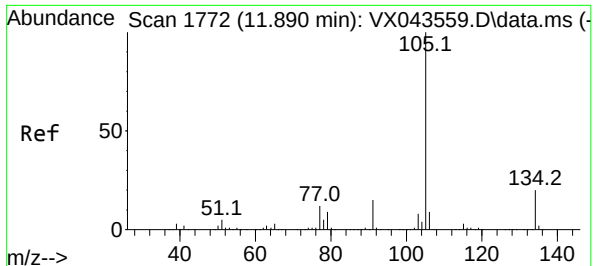
Tgt Ion:105 Resp: 163892

Ion Ratio Lower Upper

105 100

120 44.8 22.1 66.1





#85

sec-Butylbenzene

Concen: 21.328 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion:105 Resp: 19705

Ion Ratio Lower Upper

105 100

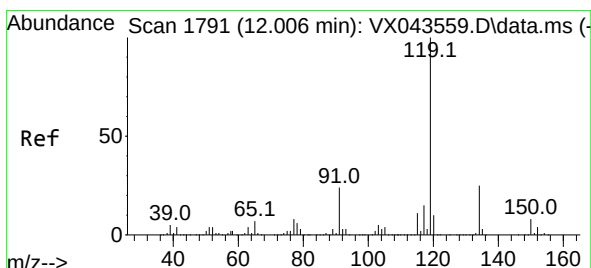
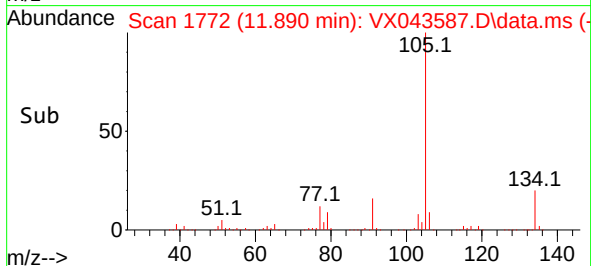
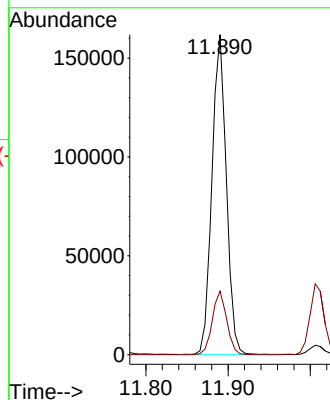
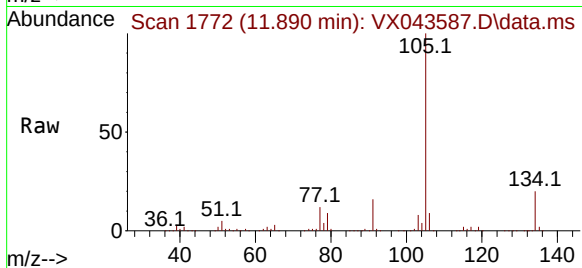
134 19.8 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#86

p-Isopropyltoluene

Concen: 20.970 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

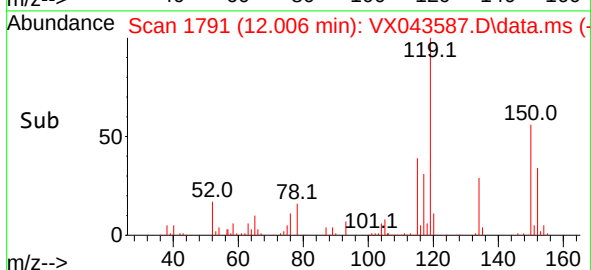
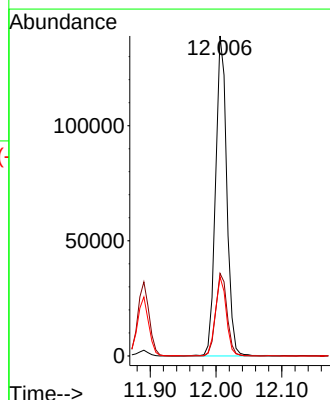
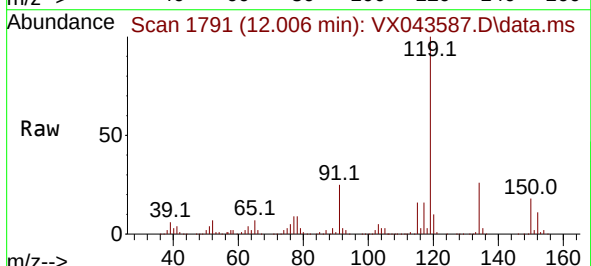
Tgt Ion:119 Resp: 164691

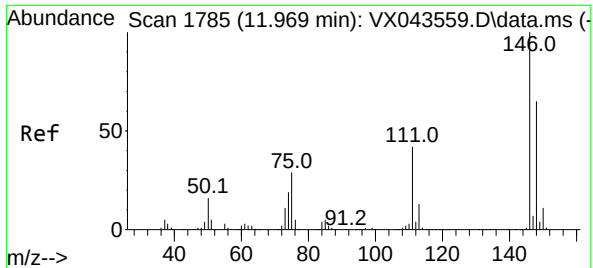
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 24.3 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 19.950 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion:146 Resp: 8582

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.4

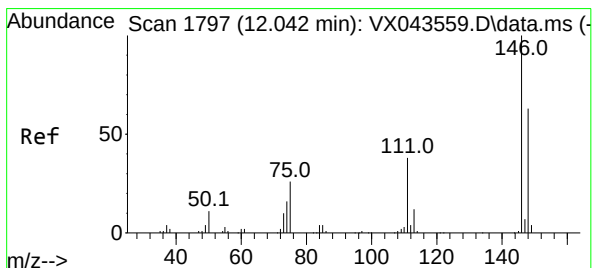
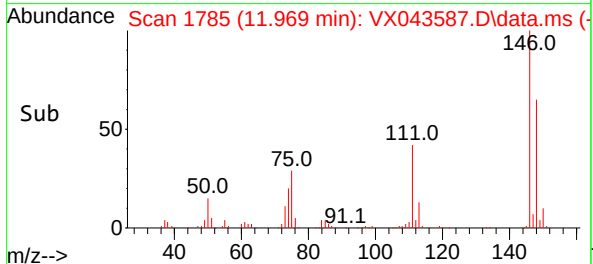
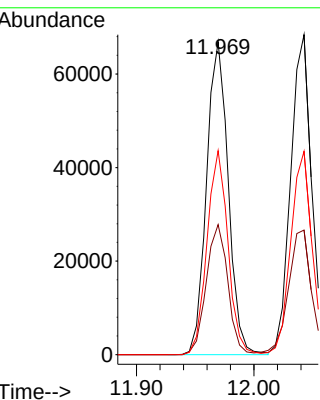
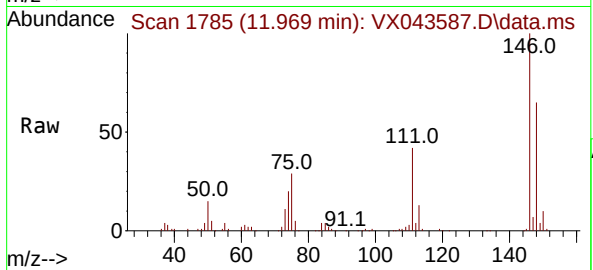
148 63.1 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#88

1,4-Dichlorobenzene

Concen: 19.143 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

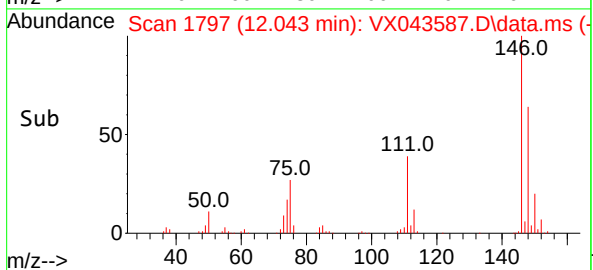
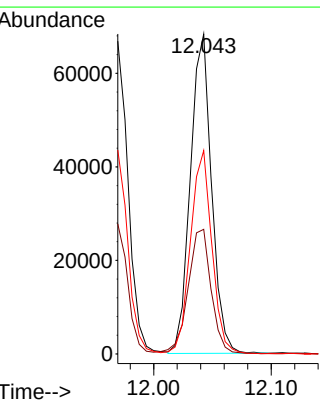
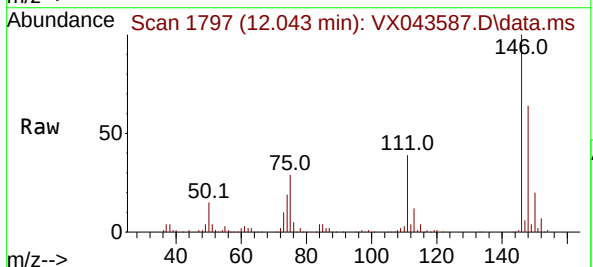
Tgt Ion:146 Resp: 85335

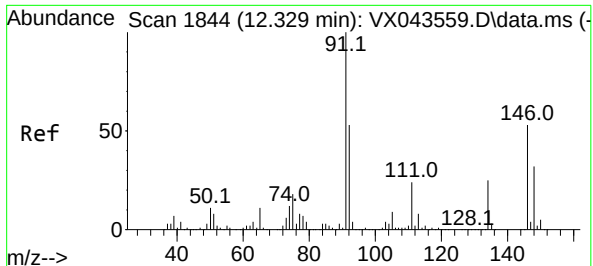
Ion Ratio Lower Upper

146 100

111 42.5 20.4 61.3

148 64.4 31.9 95.9





#89

n-Butylbenzene

Concen: 20.655 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion: 91 Resp: 132178

Ion Ratio Lower Upper

91 100

92 55.4 27.1 81.2

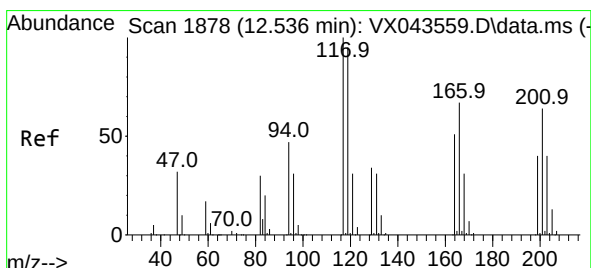
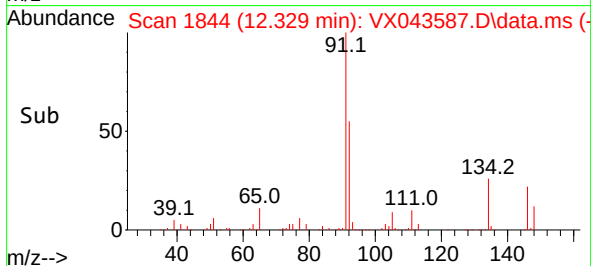
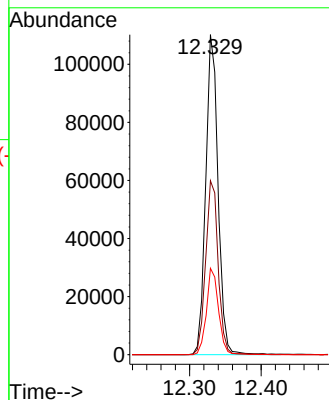
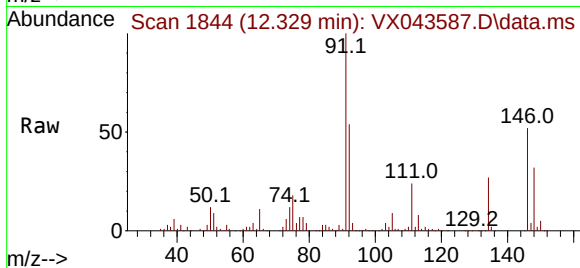
134 26.5 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#90

Hexachloroethane

Concen: 20.029 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043587.D

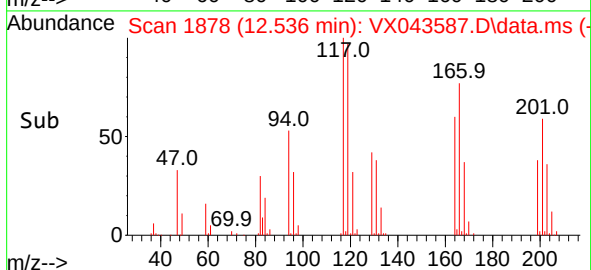
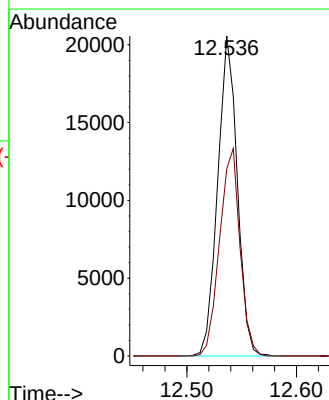
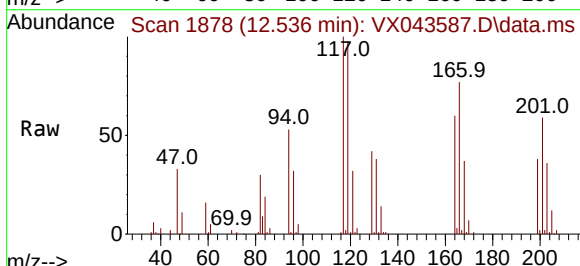
Acq: 29 Oct 2024 11:20

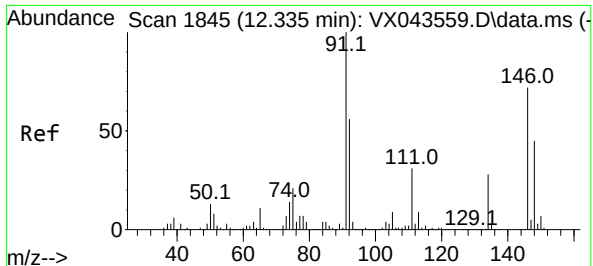
Tgt Ion:117 Resp: 25551

Ion Ratio Lower Upper

117 100

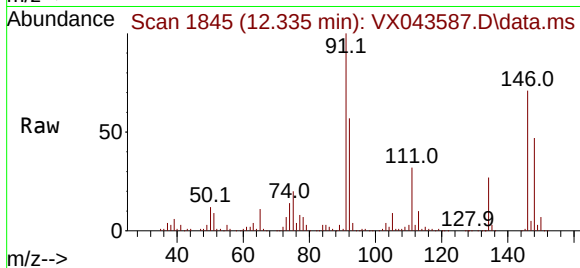
201 67.6 32.9 98.7





#91
1,2-Dichlorobenzene
Concen: 20.129 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

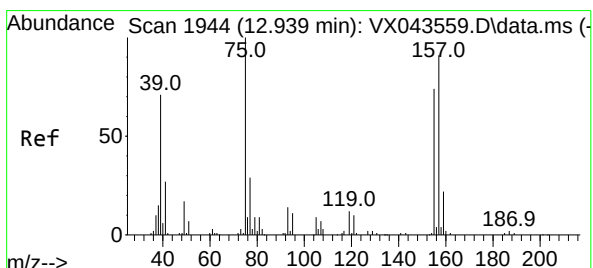
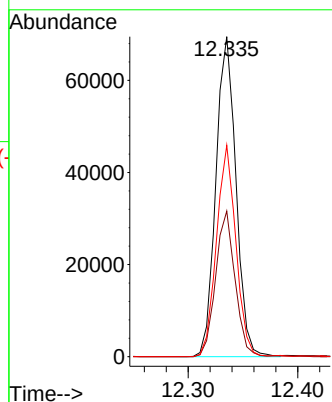
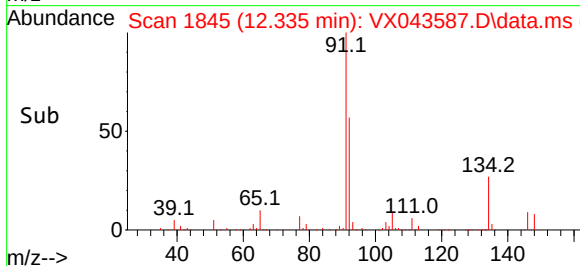
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01



Tgt Ion:146 Resp: 8855
Ion Ratio Lower Upper
146 100
111 44.3 21.6 64.6
148 64.1 31.6 95.0

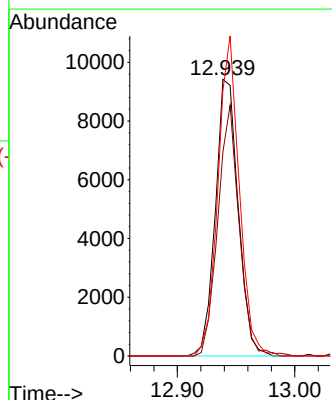
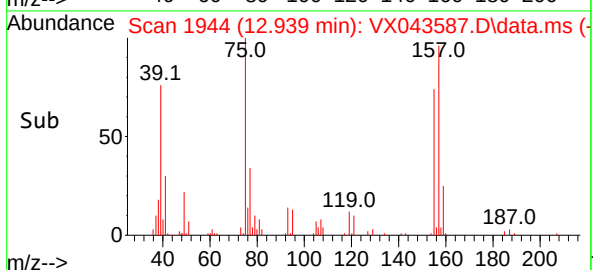
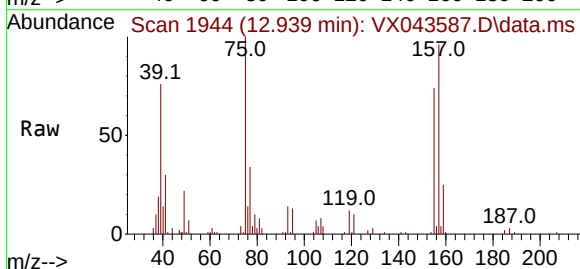
Manual Integrations
APPROVED

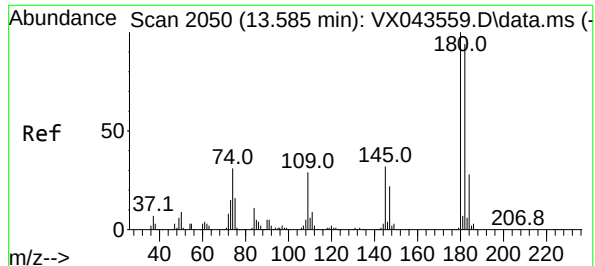
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.690 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 75 Resp: 12736
Ion Ratio Lower Upper
75 100
155 84.5 40.1 120.3
157 107.7 50.8 152.4





#93

1,2,4-Trichlorobenzene

Concen: 19.176 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

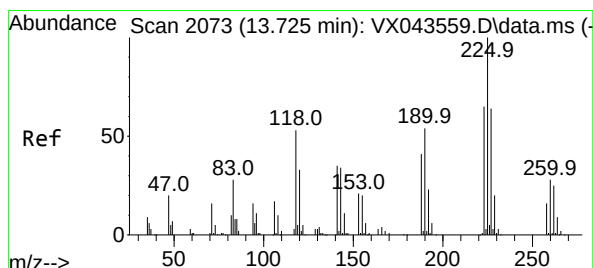
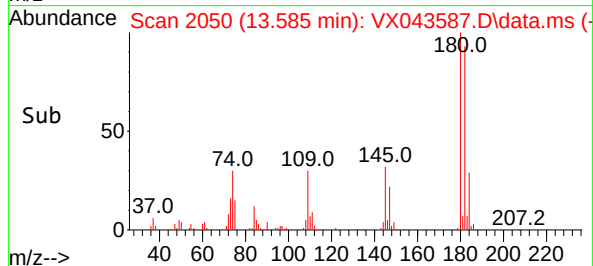
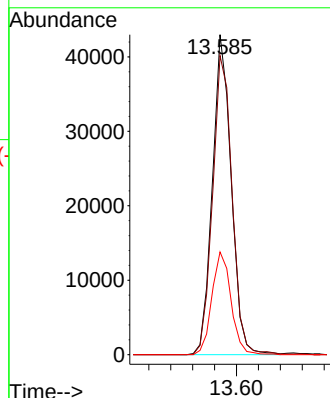
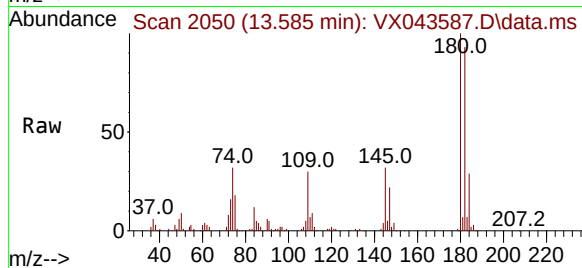
VX1029WBSD01

Tgt Ion:	180	Resp:	51200
Ion Ratio	Lower	Upper	
180	100		
182	97.0	46.8	140.4
145	32.7	16.1	48.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#94

Hexachlorobutadiene

Concen: 20.713 ug/l

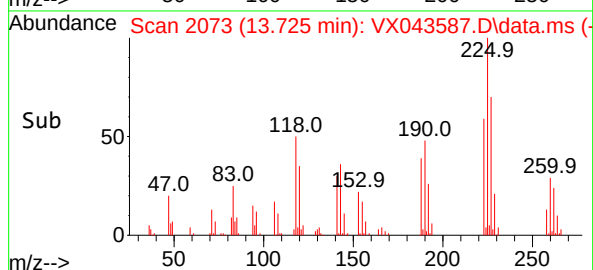
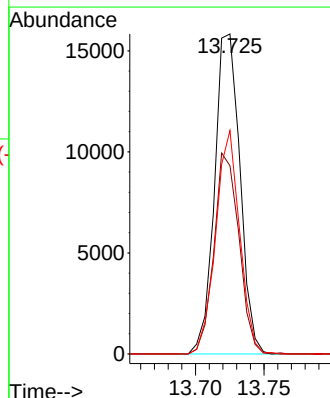
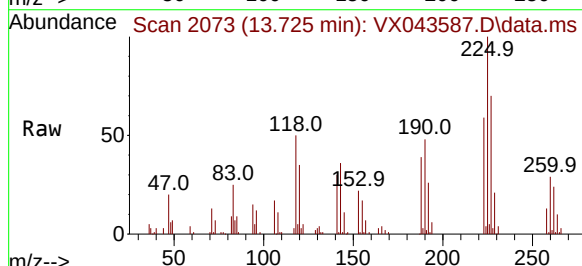
RT: 13.725 min Scan# 2073

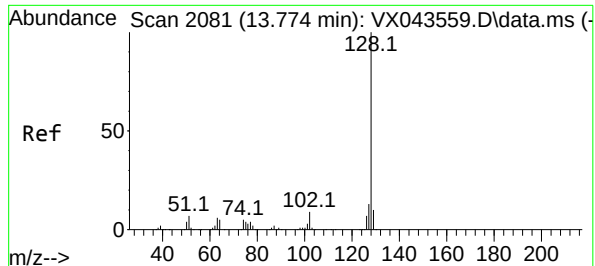
Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Tgt Ion:	225	Resp:	20393
Ion Ratio	Lower	Upper	
225	100		
223	61.9	30.8	92.4
227	65.9	31.6	94.8





#95

Naphthalene

Concen: 19.665 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD01

Tgt Ion:128 Resp: 200939

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

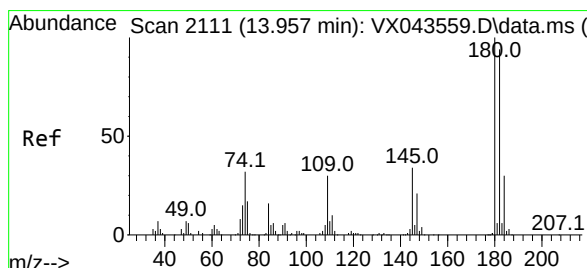
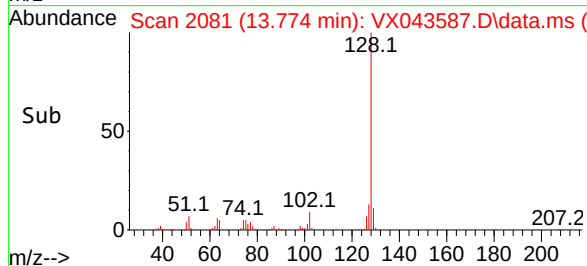
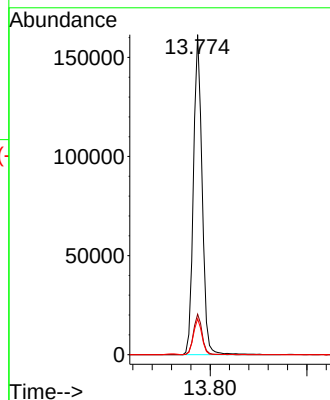
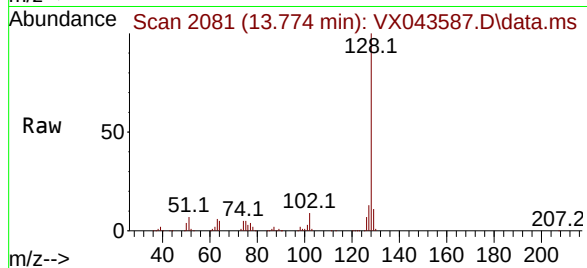
129 11.0 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024

Supervised By :Mahesh Dadoda 10/30/2024



#96

1,2,3-Trichlorobenzene

Concen: 19.053 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX043587.D

Acq: 29 Oct 2024 11:20

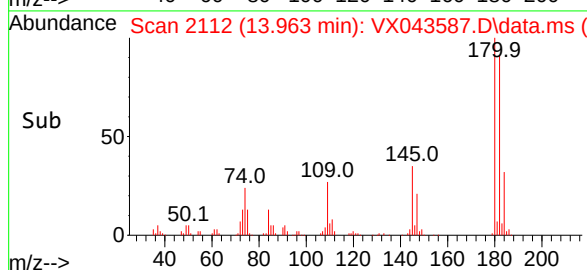
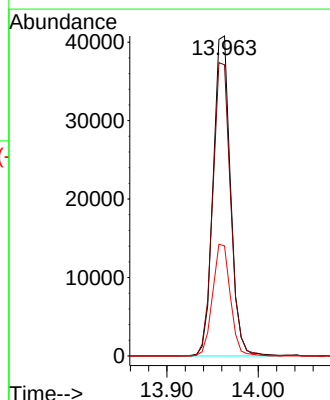
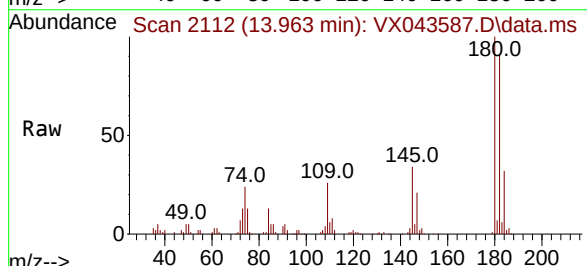
Tgt Ion:180 Resp: 53643

Ion Ratio Lower Upper

180 100

182 94.3 47.1 141.3

145 35.8 17.4 52.3



Manual Integration Report

Sequence:	VX102824	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX043556.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	1,4-Dichlorobenzene	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	Ethyl Acetate	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	Methacrylonitrile	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC005	VX043557.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:13 AM	MMDadoda	10/29/2024 12:19:39 PM	Peak Integrated by Software
VSTDICC020	VX043558.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:18 AM	MMDadoda	10/29/2024 12:19:37 PM	Peak Integrated by Software
VSTDICC020	VX043558.D	Tert butyl alcohol	SAM	10/29/2024 8:57:18 AM	MMDadoda	10/29/2024 12:19:37 PM	Peak Integrated by Software
VSTDICCC050	VX043559.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:53 AM	MMDadoda	10/29/2024 12:19:36 PM	Peak Integrated by Software
VSTDICCC050	VX043559.D	Tert butyl alcohol	SAM	10/29/2024 8:57:53 AM	MMDadoda	10/29/2024 12:19:36 PM	Peak Integrated by Software
VSTDICC100	VX043560.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:22 AM	MMDadoda	10/29/2024 12:19:34 PM	Peak Integrated by Software
VSTDICC150	VX043561.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:57 AM	MMDadoda	10/29/2024 12:19:32 PM	Peak Integrated by Software
VSTDICV050	VX043563.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:27 AM	MMDadoda	10/29/2024 12:19:30 PM	Peak Integrated by Software
VSTDCCC050	VX043581.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:42 AM	MMDadoda	10/29/2024 12:19:26 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VX102824

Instrument

MSVOA_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	VX102924	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043583.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:32 AM	MMDadoda	10/30/2024 1:23:51 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	Chloroethane	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	Tert butyl alcohol	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBSD0 1	VX043587.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:36 AM	MMDadoda	10/30/2024 1:23:55 PM	Peak Integrated by Software
VX1029WBSD0 1	VX043587.D	Tert butyl alcohol	SAM	10/30/2024 11:31:36 AM	MMDadoda	10/30/2024 1:23:55 PM	Peak Integrated by Software
VSTDCCC050	VX043608.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:39 AM	MMDadoda	10/30/2024 1:23:58 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX103024	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043610.D	1,2,3-Trichloropropane	SAM	11/1/2024 3:35:56 PM	MMDadoda	11/1/2024 5:36:16 PM	Peak Integrated by Software
VX1030WBS01	VX043613.D	1,2,3-Trichloropropane	SAM	11/1/2024 3:36:01 PM	MMDadoda	11/1/2024 5:36:19 PM	Peak Integrated by Software
VX1030WBS01	VX043613.D	Tert butyl alcohol	SAM	11/1/2024 3:36:01 PM	MMDadoda	11/1/2024 5:36:19 PM	Peak Integrated by Software
VSTDCCC050	VX043635.D	1,2,3-Trichloropropane	SAM	11/1/2024 3:36:12 PM	MMDadoda	11/1/2024 5:36:21 PM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM		
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m
STD. NAME		STD REF.#			
Tune/Reschk		VP131142			
Initial Calibration Stds		VP131143,VP131144,VP131145,VP131147,VP131148,VP131149			
CCC		VP131151,VP131152			
Internal Standard/PEM		VP128298			
ICV/I.BLK		VP131150			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043555.D	28 Oct 2024 10:09	JC/MD	Ok
2	VSTDIC001	VX043556.D	28 Oct 2024 10:59	JC/MD	Ok,M
3	VSTDIC005	VX043557.D	28 Oct 2024 11:22	JC/MD	Ok,M
4	VSTDIC020	VX043558.D	28 Oct 2024 11:45	JC/MD	Ok,M
5	VSTDIC050	VX043559.D	28 Oct 2024 12:08	JC/MD	Ok,M
6	VSTDIC100	VX043560.D	28 Oct 2024 12:31	JC/MD	Ok,M
7	VSTDIC150	VX043561.D	28 Oct 2024 12:54	JC/MD	Ok,M
8	VIBLK	VX043562.D	28 Oct 2024 14:04	JC/MD	Ok
9	VSTDICV050	VX043563.D	28 Oct 2024 14:27	JC/MD	Ok,M
10	VX1028MBL01	VX043564.D	28 Oct 2024 15:02	JC/MD	Not Ok
11	VX1028WBL01	VX043565.D	28 Oct 2024 15:52	JC/MD	Ok
12	VX1028WBS01	VX043566.D	28 Oct 2024 16:28	JC/MD	Ok,M
13	VX1028WBSD01	VX043567.D	28 Oct 2024 16:51	JC/MD	Ok,M
14	PB164394TB	VX043568.D	28 Oct 2024 17:14	JC/MD	Ok
15	PB164394ZHE#01	VX043569.D	28 Oct 2024 17:38	JC/MD	Ok
16	PB164394ZHE#02	VX043570.D	28 Oct 2024 18:01	JC/MD	Ok
17	PB164394ZHE#03	VX043571.D	28 Oct 2024 18:24	JC/MD	Ok
18	PB164394ZHE#04	VX043572.D	28 Oct 2024 18:47	JC/MD	Ok
19	PB164394ZHE#05	VX043573.D	28 Oct 2024 19:10	JC/MD	Ok
20	PB164394ZHE#06	VX043574.D	28 Oct 2024 19:33	JC/MD	Ok
21	PB164394ZHE#07	VX043575.D	28 Oct 2024 19:56	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM		
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m
STD. NAME		STD REF.#			
Tune/Reschk		VP131142			
Initial Calibration Stds		VP131143,VP131144,VP131145,VP131147,VP131148,VP131149			
CCC		VP131151,VP131152			
Internal Standard/PEM		VP128298			
ICV/I.BLK		VP131150			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	PB164394ZHE#08	VX043576.D	28 Oct 2024 20:19	JC/MD	Ok
23	PB164394ZHE#09	VX043577.D	28 Oct 2024 20:42	JC/MD	Ok
24	PB164394ZHE#10	VX043578.D	28 Oct 2024 21:05	JC/MD	Ok
25	PB164394ZHE#11	VX043579.D	28 Oct 2024 21:28	JC/MD	Ok
26	PB164394ZHE#12	VX043580.D	28 Oct 2024 21:52	JC/MD	Ok
27	VSTDCCC050	VX043581.D	28 Oct 2024 22:15	JC/MD	Not Ok

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM		
Supervise By	Maresh Dadoda	Supervise On	10/30/2024 1:24:02 PM		
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP131169			
CCC		VP131171,VP131172			
Internal Standard/PEM		VP128298			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043582.D	29 Oct 2024 08:30	JC/MD	Ok
2	VSTDCCC050	VX043583.D	29 Oct 2024 09:29	JC/MD	Ok,M
3	VX1029MBL01	VX043584.D	29 Oct 2024 10:06	JC/MD	Ok
4	VX1029WBL01	VX043585.D	29 Oct 2024 10:31	JC/MD	Ok
5	VX1029WBS01	VX043586.D	29 Oct 2024 10:57	JC/MD	Ok,M
6	VX1029WBSD01	VX043587.D	29 Oct 2024 11:20	JC/MD	Ok,M
7	VIBLK	VX043588.D	29 Oct 2024 11:43	JC/MD	Ok
8	P4596-07	VX043589.D	29 Oct 2024 12:10	JC/MD	Ok,M
9	VIBLK	VX043590.D	29 Oct 2024 12:33	JC/MD	Ok
10	P4578-09	VX043591.D	29 Oct 2024 12:56	JC/MD	Ok
11	P4548-09	VX043592.D	29 Oct 2024 13:19	JC/MD	Ok
12	P4548-01	VX043593.D	29 Oct 2024 13:43	JC/MD	Ok
13	P4548-03	VX043594.D	29 Oct 2024 14:06	JC/MD	Ok
14	P4548-05	VX043595.D	29 Oct 2024 14:29	JC/MD	Ok
15	P4548-07	VX043596.D	29 Oct 2024 14:52	JC/MD	Ok
16	P4578-01	VX043597.D	29 Oct 2024 15:15	JC/MD	Ok
17	P4578-02	VX043598.D	29 Oct 2024 15:38	JC/MD	Ok
18	P4600-01	VX043599.D	29 Oct 2024 16:01	JC/MD	Ok
19	P4600-02	VX043600.D	29 Oct 2024 16:24	JC/MD	Ok
20	P4600-03	VX043601.D	29 Oct 2024 16:48	JC/MD	Ok
21	P4600-04	VX043602.D	29 Oct 2024 17:11	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM		
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP131169			
CCC		VP131171,VP131172			
Internal Standard/PEM		VP128298			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	P4600-05	VX043603.D	29 Oct 2024 17:34	JC/MD	ReRun
23	P4600-06	VX043604.D	29 Oct 2024 17:57	JC/MD	Ok
24	P4600-07	VX043605.D	29 Oct 2024 18:20	JC/MD	Ok
25	P4562-01	VX043606.D	29 Oct 2024 18:43	JC/MD	Ok
26	P4562-02	VX043607.D	29 Oct 2024 19:06	JC/MD	Ok
27	VSTDCCC050	VX043608.D	29 Oct 2024 19:29	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM		
SubDirectory	VX103024	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP131182			
CCC		VP131183,VP131184			
Internal Standard/PEM		VP128298			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043609.D	30 Oct 2024 08:59	JC/MD	Ok
2	VSTDCCC050	VX043610.D	30 Oct 2024 09:26	JC/MD	Ok,M
3	VX1030MBL01	VX043611.D	30 Oct 2024 09:59	JC/MD	Ok
4	VX1030WBL01	VX043612.D	30 Oct 2024 10:22	JC/MD	Ok
5	VX1030WBS01	VX043613.D	30 Oct 2024 10:56	JC/MD	Ok,M
6	VX1030WBSD01	VX043614.D	30 Oct 2024 11:19	JC/MD	Ok,M
7	VIBLK	VX043615.D	30 Oct 2024 11:42	JC/MD	Ok
8	P4600-05	VX043616.D	30 Oct 2024 12:06	JC/MD	Ok
9	P4560-01	VX043617.D	30 Oct 2024 12:29	JC/MD	Not Ok
10	P4562-03	VX043618.D	30 Oct 2024 12:52	JC/MD	Ok
11	P4562-04	VX043619.D	30 Oct 2024 13:15	JC/MD	Ok
12	P4615-04	VX043620.D	30 Oct 2024 13:38	JC/MD	Ok
13	P4547-04	VX043621.D	30 Oct 2024 14:01	JC/MD	Ok
14	PB164501TB	VX043622.D	30 Oct 2024 14:24	JC/MD	Ok
15	PB164501ZHE#01	VX043623.D	30 Oct 2024 14:47	JC/MD	Ok
16	PB164501ZHE#02	VX043624.D	30 Oct 2024 15:11	JC/MD	Ok
17	PB164501ZHE#03	VX043625.D	30 Oct 2024 15:34	JC/MD	Ok
18	PB164501ZHE#04	VX043626.D	30 Oct 2024 15:57	JC/MD	Ok
19	PB164501ZHE#05	VX043627.D	30 Oct 2024 16:20	JC/MD	Ok
20	PB164501ZHE#06	VX043628.D	30 Oct 2024 16:44	JC/MD	Ok
21	PB164501ZHE#07	VX043629.D	30 Oct 2024 17:07	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM		
SubDirectory	VX103024	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP131182			
CCC		VP131183,VP131184			
Internal Standard/PEM		VP128298			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	PB164501ZHE#08	VX043630.D	30 Oct 2024 17:30	JC/MD	Ok
23	PB164501ZHE#09	VX043631.D	30 Oct 2024 17:53	JC/MD	Ok
24	PB164501ZHE#10	VX043632.D	30 Oct 2024 18:16	JC/MD	Ok
25	PB164501ZHE#11	VX043633.D	30 Oct 2024 18:39	JC/MD	Ok
26	PB164501ZHE#12	VX043634.D	30 Oct 2024 19:03	JC/MD	Ok
27	VSTDCCC050	VX043635.D	30 Oct 2024 19:25	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM
SubDirectory	VX102824	HP Acquire Method	MSVOA_X HP Processing Method 82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043555.D	28 Oct 2024 10:09		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX043556.D	28 Oct 2024 10:59	Method pass	JC/MD	Ok,M
3	VSTDIC005	VSTDIC005	VX043557.D	28 Oct 2024 11:22	8260D	JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX043558.D	28 Oct 2024 11:45		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX043559.D	28 Oct 2024 12:08		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX043560.D	28 Oct 2024 12:31		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX043561.D	28 Oct 2024 12:54		JC/MD	Ok,M
8	VIBLK	VIBLK	VX043562.D	28 Oct 2024 14:04		JC/MD	Ok
9	VSTDICV050	ICVVX102824	VX043563.D	28 Oct 2024 14:27		JC/MD	Ok,M
10	VX1028MBL01	VX1028MBL01	VX043564.D	28 Oct 2024 15:02	Internal standard fail	JC/MD	Not Ok
11	VX1028WBL01	VX1028WBL01	VX043565.D	28 Oct 2024 15:52		JC/MD	Ok
12	VX1028WBS01	VX1028WBS01	VX043566.D	28 Oct 2024 16:28		JC/MD	Ok,M
13	VX1028WBSD01	VX1028WBSD01	VX043567.D	28 Oct 2024 16:51		JC/MD	Ok,M
14	PB164394TB	PB164394TB	VX043568.D	28 Oct 2024 17:14	pH#5.0 A	JC/MD	Ok
15	PB164394ZHE#01	PB164394ZHE#01	VX043569.D	28 Oct 2024 17:38	pH#5.0 A	JC/MD	Ok
16	PB164394ZHE#02	PB164394ZHE#02	VX043570.D	28 Oct 2024 18:01	pH#5.0 A	JC/MD	Ok
17	PB164394ZHE#03	PB164394ZHE#03	VX043571.D	28 Oct 2024 18:24	pH#5.0 A	JC/MD	Ok
18	PB164394ZHE#04	PB164394ZHE#04	VX043572.D	28 Oct 2024 18:47	pH#5.0 A	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM		
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP131142				
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149				
CCC	VP131151,VP131152				
Internal Standard/PEM	VP128298				
ICV/I.BLK	VP131150				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	PB164394ZHE#05	PB164394ZHE#05	VX043573.D	28 Oct 2024 19:10	pH#5.0 A	JC/MD	Ok
20	PB164394ZHE#06	PB164394ZHE#06	VX043574.D	28 Oct 2024 19:33	pH#5.0 A	JC/MD	Ok
21	PB164394ZHE#07	PB164394ZHE#07	VX043575.D	28 Oct 2024 19:56	pH#5.0 A	JC/MD	Ok
22	PB164394ZHE#08	PB164394ZHE#08	VX043576.D	28 Oct 2024 20:19	pH#5.0 A	JC/MD	Ok
23	PB164394ZHE#09	PB164394ZHE#09	VX043577.D	28 Oct 2024 20:42	pH#5.0 A	JC/MD	Ok
24	PB164394ZHE#10	PB164394ZHE#10	VX043578.D	28 Oct 2024 21:05	pH#5.0 A	JC/MD	Ok
25	PB164394ZHE#11	PB164394ZHE#11	VX043579.D	28 Oct 2024 21:28	pH#5.0 A	JC/MD	Ok
26	PB164394ZHE#12	PB164394ZHE#12	VX043580.D	28 Oct 2024 21:52	pH#5.0 A	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX043581.D	28 Oct 2024 22:15	out of tune time	JC/MD	Not Ok

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM
Supervise By	Maresh Dadoda	Supervise On	10/30/2024 1:24:02 PM
SubDirectory	VX102924	HP Acquire Method	MSVOA_X HP Processing Method 82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP131169
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131171,VP131172 VP128298

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043582.D	29 Oct 2024 08:30		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043583.D	29 Oct 2024 09:29		JC/MD	Ok,M
3	VX1029MBL01	VX1029MBL01	VX043584.D	29 Oct 2024 10:06		JC/MD	Ok
4	VX1029WBL01	VX1029WBL01	VX043585.D	29 Oct 2024 10:31		JC/MD	Ok
5	VX1029WBS01	VX1029WBS01	VX043586.D	29 Oct 2024 10:57		JC/MD	Ok,M
6	VX1029WBSD01	VX1029WBSD01	VX043587.D	29 Oct 2024 11:20		JC/MD	Ok,M
7	VIBLK	VIBLK	VX043588.D	29 Oct 2024 11:43		JC/MD	Ok
8	P4596-07	TOTE-WATER-COMP	VX043589.D	29 Oct 2024 12:10		JC/MD	Ok,M
9	VIBLK	VIBLK	VX043590.D	29 Oct 2024 12:33		JC/MD	Ok
10	P4578-09	TB-10252024	VX043591.D	29 Oct 2024 12:56	vial A pH<2 TB	JC/MD	Ok
11	P4548-09	TRIP BLANK	VX043592.D	29 Oct 2024 13:19	vial A pH<2 TB	JC/MD	Ok
12	P4548-01	MW-1	VX043593.D	29 Oct 2024 13:43	vial A pH<2	JC/MD	Ok
13	P4548-03	MW-2	VX043594.D	29 Oct 2024 14:06	vial A pH<2	JC/MD	Ok
14	P4548-05	MW-3	VX043595.D	29 Oct 2024 14:29	vial A pH<2	JC/MD	Ok
15	P4548-07	MW-4	VX043596.D	29 Oct 2024 14:52	vial A pH<2	JC/MD	Ok
16	P4578-01	WB-305-SW	VX043597.D	29 Oct 2024 15:15	vial A pH<2	JC/MD	Ok
17	P4578-02	WB-305-SW-1	VX043598.D	29 Oct 2024 15:38	vial A pH<2	JC/MD	Ok
18	P4600-01	BP-VPB-190-TB-20241	VX043599.D	29 Oct 2024 16:01	vial A pH<2 TB	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM		
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP131169			
CCC		VP131171,VP131172			
Internal Standard/PEM		VP128298			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P4600-02	BP-VPB-190-DUP-2024	VX043600.D	29 Oct 2024 16:24	vial A pH<2	JC/MD	Ok
20	P4600-03	BP-VPB-190-GW-438-4	VX043601.D	29 Oct 2024 16:48	vial A pH<2	JC/MD	Ok
21	P4600-04	BP-VPB-190-GW-458-4	VX043602.D	29 Oct 2024 17:11	vial A pH<2	JC/MD	Ok
22	P4600-05	BP-VPB-190-GW-478-4	VX043603.D	29 Oct 2024 17:34	vial A pH<2 Internal standard fail	JC/MD	ReRun
23	P4600-06	BP-VPB-190-GW-498-5	VX043604.D	29 Oct 2024 17:57	vial A pH<2	JC/MD	Ok
24	P4600-07	BP-VPB-190-GW-518-5	VX043605.D	29 Oct 2024 18:20	vial A pH<2	JC/MD	Ok
25	P4562-01	Storage-Blank-SOIL-RE	VX043606.D	29 Oct 2024 18:43	vial A pH<2	JC/MD	Ok
26	P4562-02	Storage-Blank-WATER	VX043607.D	29 Oct 2024 19:06		JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX043608.D	29 Oct 2024 19:29		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM
SubDirectory	VX103024	HP Acquire Method	MSVOA_X HP Processing Method 82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP131182
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131183,VP131184 VP128298

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043609.D	30 Oct 2024 08:59		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043610.D	30 Oct 2024 09:26		JC/MD	Ok,M
3	VX1030MBL01	VX1030MBL01	VX043611.D	30 Oct 2024 09:59		JC/MD	Ok
4	VX1030WBL01	VX1030WBL01	VX043612.D	30 Oct 2024 10:22		JC/MD	Ok
5	VX1030WBS01	VX1030WBS01	VX043613.D	30 Oct 2024 10:56		JC/MD	Ok,M
6	VX1030WBSD01	VX1030WBSD01	VX043614.D	30 Oct 2024 11:19		JC/MD	Ok,M
7	VIBLK	VIBLK	VX043615.D	30 Oct 2024 11:42		JC/MD	Ok
8	P4600-05	BP-VPB-190-GW-478-4	VX043616.D	30 Oct 2024 12:06	pH# 1.0 B	JC/MD	Ok
9	P4560-01	GCNW6	VX043617.D	30 Oct 2024 12:29	Trace	JC/MD	Not Ok
10	P4562-03	Storage-Blank-WATER	VX043618.D	30 Oct 2024 12:52	pH#1.0 A	JC/MD	Ok
11	P4562-04	Storage-Blank-SAMPLE	VX043619.D	30 Oct 2024 13:15	pH#1.0 A	JC/MD	Ok
12	P4615-04	TB-10292024	VX043620.D	30 Oct 2024 13:38	TB,pH#1.0 A	JC/MD	Ok
13	P4547-04	BP-F-21	VX043621.D	30 Oct 2024 14:01	pH#5.0 A	JC/MD	Ok
14	PB164501TB	PB164501TB	VX043622.D	30 Oct 2024 14:24	pH#5.0 A	JC/MD	Ok
15	PB164501ZHE#01	PB164501ZHE#01	VX043623.D	30 Oct 2024 14:47	pH#5.0 A	JC/MD	Ok
16	PB164501ZHE#02	PB164501ZHE#02	VX043624.D	30 Oct 2024 15:11	pH#5.0 A	JC/MD	Ok
17	PB164501ZHE#03	PB164501ZHE#03	VX043625.D	30 Oct 2024 15:34	pH#5.0 A	JC/MD	Ok
18	PB164501ZHE#04	PB164501ZHE#04	VX043626.D	30 Oct 2024 15:57	pH#5.0 A	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM		
SubDirectory	VX103024	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP131182			
CCC		VP131183,VP131184			
Internal Standard/PEM		VP128298			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	PB164501ZHE#05	PB164501ZHE#05	VX043627.D	30 Oct 2024 16:20	pH#5.0 A	JC/MD	Ok
20	PB164501ZHE#06	PB164501ZHE#06	VX043628.D	30 Oct 2024 16:44	pH#5.0 A	JC/MD	Ok
21	PB164501ZHE#07	PB164501ZHE#07	VX043629.D	30 Oct 2024 17:07	pH#5.0 A	JC/MD	Ok
22	PB164501ZHE#08	PB164501ZHE#08	VX043630.D	30 Oct 2024 17:30	pH#5.0 A	JC/MD	Ok
23	PB164501ZHE#09	PB164501ZHE#09	VX043631.D	30 Oct 2024 17:53	pH#5.0 A	JC/MD	Ok
24	PB164501ZHE#10	PB164501ZHE#10	VX043632.D	30 Oct 2024 18:16	pH#5.0 A	JC/MD	Ok
25	PB164501ZHE#11	PB164501ZHE#11	VX043633.D	30 Oct 2024 18:39	pH#5.0 A	JC/MD	Ok
26	PB164501ZHE#12	PB164501ZHE#12	VX043634.D	30 Oct 2024 19:03	pH#5.0 A	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX043635.D	30 Oct 2024 19:25		JC/MD	Ok,M

M : Manual Integration

Prep Standard - Chemical Standard Summary

Order ID : P4600

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX102924,VX103024,

Standard ID :

VP128290,VP128298,VP128762,VP128766,VP130430,VP130836,VP131134,VP131169,VP131171,VP131172,VP131182,VP131183,VP131184,

Chemical ID :

V12794,V12798,V13390,V13444,V13462,V13463,V13707,V13797,V13810,V14018,V14019,V14107,V14108,V14145,V14147,V14148,V14150,V14171,V14172,V14203,V14206,V14215,V14288,V14436,V14443,V14546,V14547,V14548,W3112,

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP128290	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
06/12/2024								

FROM 0.25000ml of V13390 + 24.75000ml of V14148 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
247	8260 Internal Standard, 250PPM	VP128298	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
06/12/2024								

FROM 0.10000ml of V14288 + 9.90000ml of V14148 = Final Quantity: 10.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP128762	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
								07/02/2024

FROM 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
719	8260 Working STD (BCM)-First source, 400PPM	VP128766	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
								07/02/2024

FROM 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP130836	10/14/2024	11/07/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
								10/16/2024

FROM 1.00000ml of V14548 + 1.50000ml of V14546 + 1.50000ml of V14547 + 21.00000ml of V14145 = Final Quantity: 25.000 ml



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

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

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<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP131171	10/29/2024	10/30/2024	Amit Patel	None	None	Semsettin Yesilyurt
FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130836 + 0.01250ml of VP131134 = Final Quantity: 40.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP131172	10/29/2024	10/30/2024	Amit Patel	None	None	Semsettin Yesilyurt
FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130836 + 0.01250ml of VP131134 = Final Quantity: 40.000 ml								

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP131182	10/30/2024	10/31/2024	Amit Patel	None	None	Semsettin Yesilyurt
11/04/2024								

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP131183	10/30/2024	10/31/2024	Amit Patel	None	None	Semsettin Yesilyurt
11/04/2024								

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130836 + 0.01250ml of VP131134 = Final Quantity: 40.000 ml

[illegible]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	12/08/2024	12/08/2023 / SAM	01/13/2023 / SAM	V13390

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	12/14/2024	06/14/2024 / SAM	01/23/2023 / SAM	V13444

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13462

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13463

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13797

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13810

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14018

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14019

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0205179	04/17/2025	10/17/2024 / SAM	12/22/2023 / SAM	V14107

LOTS

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0205179	03/16/2025	09/16/2024 / SAM	12/22/2023 / SAM	V14108

LOTS

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	12/11/2024	06/11/2024 / pedro	02/06/2024 / SAM	V14147

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	11/23/2024	05/23/2024 / pedro	02/06/2024 / SAM	V14148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	04/23/2025	10/23/2024 / Rajesh	02/06/2024 / SAM	V14150

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14171

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14172

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14203

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/16/2025	09/16/2024 / SAM	02/28/2024 / SAM	V14215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	06/10/2025	06/10/2024 / SAM	04/15/2024 / SAM	V14288

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14436

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	03/16/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14443

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14546

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14547

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14548

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

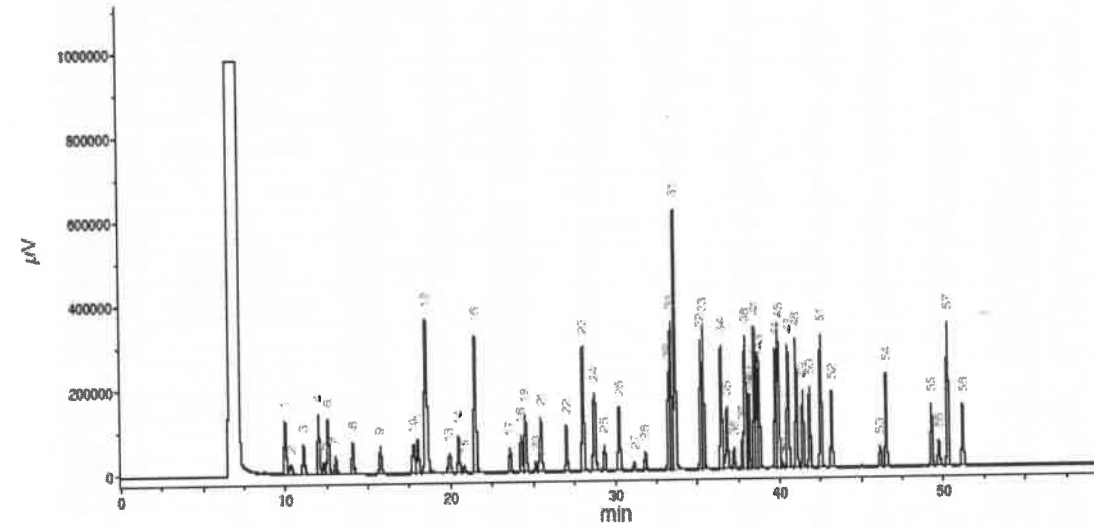
		021624
Formulated By:	Prashant Chauhan	DATE
		021624
Reviewed By:	Pedro L. Rentes	DATE

Compound	(RM#)	Lot Number	Di. Factor	Initial Vol. (mL)	Initial Conc. (µg/mL)	Nominal Conc. (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
														CAS#	OSHA PEL (TWA)	LD50
Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
Carbon disulfide	(0060)	MKCR8581	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
Diethyl ether	(0153)	IK18CA5000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg
Iodomethane	(0489)	5HBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 70mg/kg
2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 3480mg/kg
Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 1200mg/kg
Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 780mg/kg
2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 43g/kg
Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 910mg/kg
Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 840mg/kg
cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg
Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg
Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-85-3	N/A	or-rat 105mg/kg
1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg
2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg
1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg
1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg
1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-08-2	50 ppm (8H)	or-rat 870mg/kg
1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2000.2	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	un-rat 3600mg/kg
1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	22.9	563-56-6	N/A	N/A
cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	22.9	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	or-rat 670mg/kg
1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H) (skin)	or-rat 836mg/kg
2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	80 ppm (270mg/m3/8H)	or-rat 2400mg/kg
Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (50mg/m3/8H)	or-rat 149.6mg/kg
Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	104-51-8	1 ppm	or-rat 4694mg/kg
n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-88-1	N/A	or-rat 2699mg/kg
Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg
Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-88-3	200 ppm	or-rat 5000mg/kg
2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg
2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	95-63-6	N/A	or-rat 5g/kg
Xylene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-57-8	N/A	or-rat 5000mg/kg
tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	100 ppm (435mg/m3/8H)	or-rat 5g/kg
sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	N/A
Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-49-8	75 ppm (350mg/m3/8H)	or-rat 2240mg/kg
Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	108-90-7	50 ppm (250mg/m3/8H)	or-rat 2290mg/kg
Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 3900mg/kg
2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 500mg/kg
4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	78 ppm (450mg/m3/8H)	or-rat 900mg/kg
propylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	96-82-8	50 ppm (245mg/m3/8H)	or-rat 1400mg/kg
propylbenzene	35163	101923	0.05	5.00												

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Hydropropane	25.46
22	cis-1,3-Dichloropropane	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.48
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

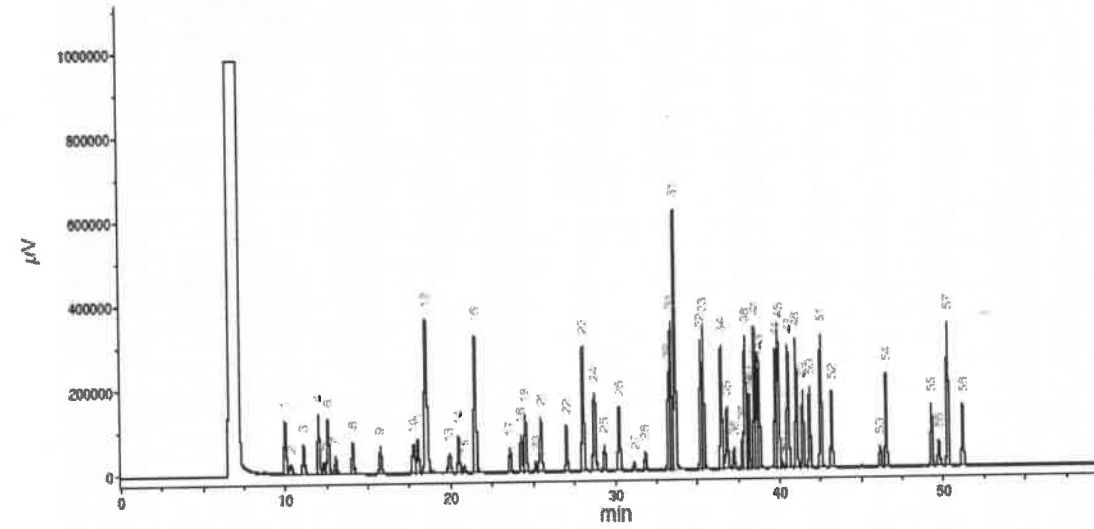
Formulated By: <i>Prashant Chauhan</i>		021624
Reviewed By: <i>Pedro L. Rentes</i>		021624
		DATE

Compound	(RM#)	Lot Number	Di. Factor	Initial Vol. (mL)	Initial Conc. (µg/mL)	Nominal Conc. (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc. (µg/mL)	Expanded Uncertainty (±) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
														CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102395	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulfide	(0060)	MKCR8581	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041F	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CA5000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg
8. Iodomethane	(0489)	5HBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 70mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 3480mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 1200mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 700mg/kg
14. 2-Nitropropane	(0461)	14002JK	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 7200mg/kg
15. Perfluorooctane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 43mg/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 910mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 840mg/kg
19. cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20004.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-85-3	N/A	or-rat 105mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (flnal)	or-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-08-2	50 ppm (8H)	or-rat 870mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2000.2	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	un-rat 3600mg/kg
36. 1,1-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	22.9	563-56-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	22.9	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H) (skin)	or-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	80 ppm (270mg/m3/8H)	or-rat 2400mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (50mg/m3/8H)	or-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4694mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-57-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	541-73-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-50-1	78 ppm (450mg/m3/8H)	or-rat 900mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	96-52-6	50 ppm (245mg/m3/8H)	or-rat 1400mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.7	23.0	100-65-1	N/A	or-rat 8040mg/kg

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Hydropropane	25.46
22	cis-1,3-Dichloropropane	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

95319
032922
Revised Additions Mix
11 components

Solvent(s):
Methanol
Lot#
EC592-US

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

032925
Refrigerate (4 °C)
Varied
6UTB

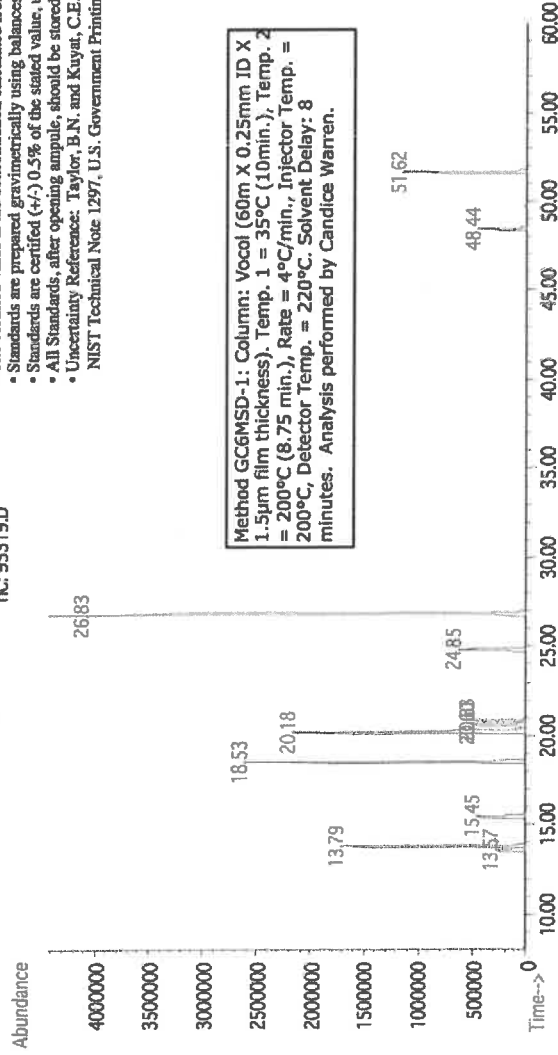
Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty
0.012 Flask Uncertainty

Formulated By:	Prashant Chauhan
DATE 032922	
Reviewed By:	Pedro L. Rentas
DATE 032922	

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	LD50
										OSHA PEL (TWA)	
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H) orl-rat 2870mg/kg
4. Di-Isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	109-20-3	500 ppm (2100mg/m3/8H) orl-rat 12705mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin) orl-rat 8470mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin) orl-rat 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197LJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H) orl-rat 38mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A

TIC: 95319.D



Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Safety Data Sheet (SDS)
GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water
	  	Signal Word: DANGER	

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.
INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice
If inhaled
If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Wash with soap and water. Consult a physician.
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability
Suitable extinguishing media
Protective equipment for fire
Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).
Clean up

Section VII. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Storage Conditions

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol
67-56-1 TWA 200 ppm
TWA 200 ppm
Skin notation
Potential for skin absorption, ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Section X. STABILITY AND REACTIVITY			
Chemical stability			
Possibility of hazardous reactions			
Stable under recommended storage conditions.			
Vapours may form explosive mixture with air.			
Heat, flames, sparks, extreme temperature and sunlight.			
Materials to avoid			
Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids			
Hazardous decomposition products formed under fire conditions. - Carbon oxides			
Section XI. TOXICOLOGICAL INFORMATION			
LD50 Oral - rat - 5,628 mg/kg			
LC50 Inhalation - rat - 4 h - 6400 ppm			
LD50 Dermal - rabbit - 15,800 mg/kg			
Toxic if absorbed through skin. Causes skin irritation.			
Eye damage/eye irritation			
Toxic if inhaled. Causes respiratory tract irritation.			
Toxic if swallowed.			
Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.			
LC50			
15,400 mg/l - 96 h			
EC50			
24,500.00 mg/l - 48 h			
EC100			
10,000.00 mg/l - 24 h			
Section XIII. DISPOSAL CONSIDERATIONS			
Dispose with normal Laboratory Solvent Waste.			
Section XIV. TRANSPORT INFORMATION			
DOT (US)			
UN number: 1280 Class: 3 Packing group: II			
Proper shipping name: Methanol			
IATA			
UN number: 1280 Class: 3 Packing group: II			
Proper shipping name: Methanol			
Section XV. REGULATORY INFORMATION			
OSHA Hazards			
Flammable liquid, Target Organ Effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption, Irritant			
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.			
Section XVI. Misc. INFORMATION			

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other chemicals or substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

95319
032922
Revised Additions Mix

Solvent(s):
Methanol
Lot#
EC592-US

11 components

Expiration Date:

Recommended Storage:

Nominal Concentration (µg/mL):

NIST Test ID#:

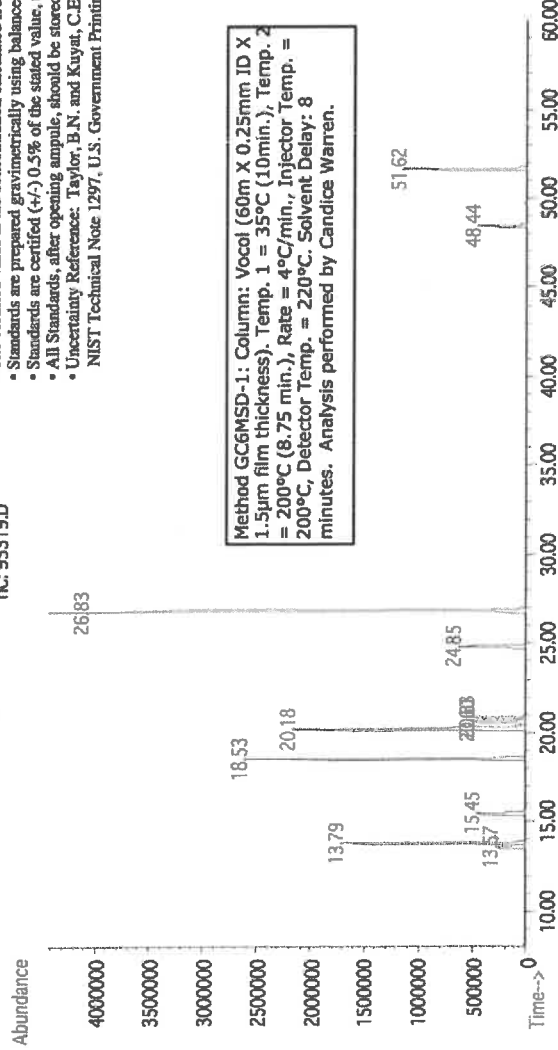
Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty
0.012 Flask Uncertainty

Formulated By:	Prashant Chauhan	032922	DATE
Reviewed By:	Pedro L. Rentas	032922	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m ³ /8h)
4. Di-Isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	109-20-3	500 ppm (2100mg/m ³ /8h)
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m ³ /8h)(skin)
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m ³ /8h)(skin)
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m ³ /8h)
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A

TIC: 95319.D



Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Safety Data Sheet (SDS)
GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.
INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice
If inhaled
If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Wash with soap and water. Consult a physician.
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability
Suitable extinguishing media
Protective equipment for fire
Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).
Clean up

Section VII. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Storage Conditions

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol
67-56-1 TWA 200 ppm
TWA 200 ppm
Skin notation
Potential for skin absorption, ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Section X. STABILITY AND REACTIVITY			
Appearance and Odor			
CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.			
Solubility in Water			
COMPLETE			
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79

Chemical stability
Stable under recommended storage conditions.
Possibility of hazardous reactions
Vapours may form explosive mixture with air.
Conditions to avoid
Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid
Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 6400 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1280 Class: 3 Packing group: II
Proper shipping name: Methanol
ATA
UN number: 1280 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards
Flammable liquid, Target Organ Effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other chemicals or substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 100724
Description: Acrolein

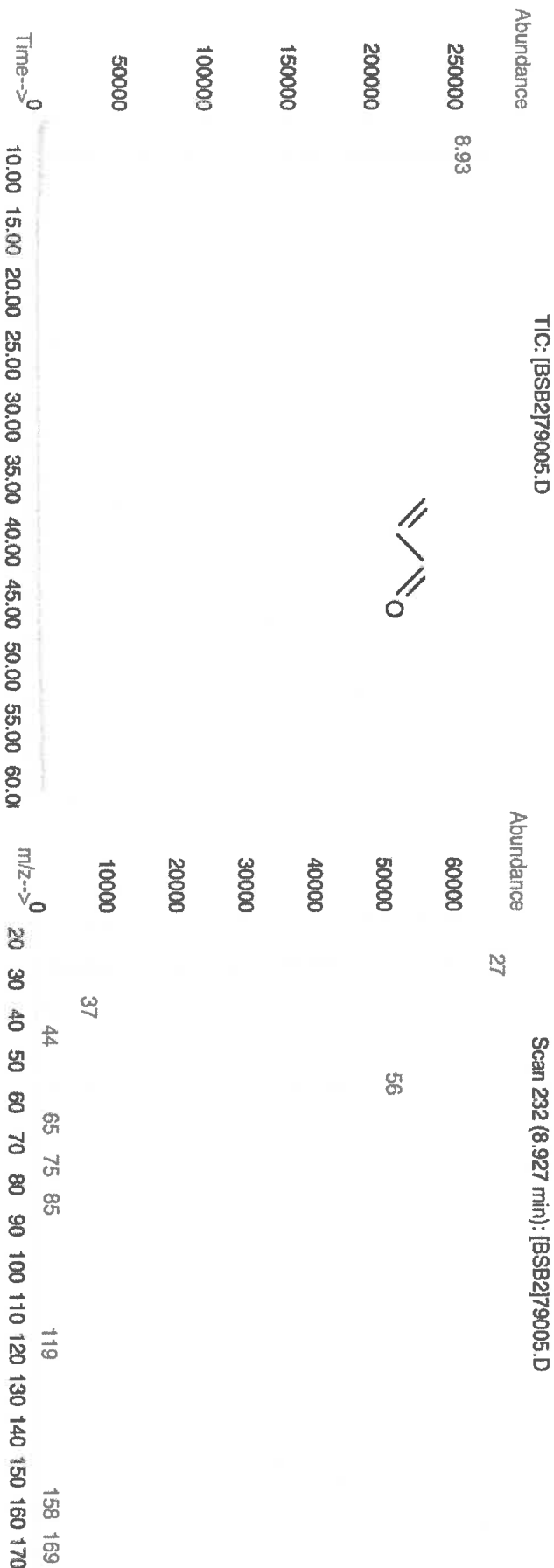
Solvent(s): Water
Lot# 072324Q

Formulated By: Lawrence Barry	100724 DATE
Reviewed By: Pedro L. Rentas	100724 DATE

Expiration Date: 11/07/24
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 20.0
Balance Uncertainty: 5E-05
Flask Uncertainty: 0.002

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (++) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	107-02-8	0.1 ppm	or-rat 46mg/kg

Method: GC/MS/MS-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Over Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas, **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately.
Long term storage is not recommended. Please contact our technical department if further information is required.



- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H ₂ O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	NA		NA
Appearance and Odor	Completely miscible CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 100724
Description: Acrolein

Solvent(s): Water
Lot# 072324Q

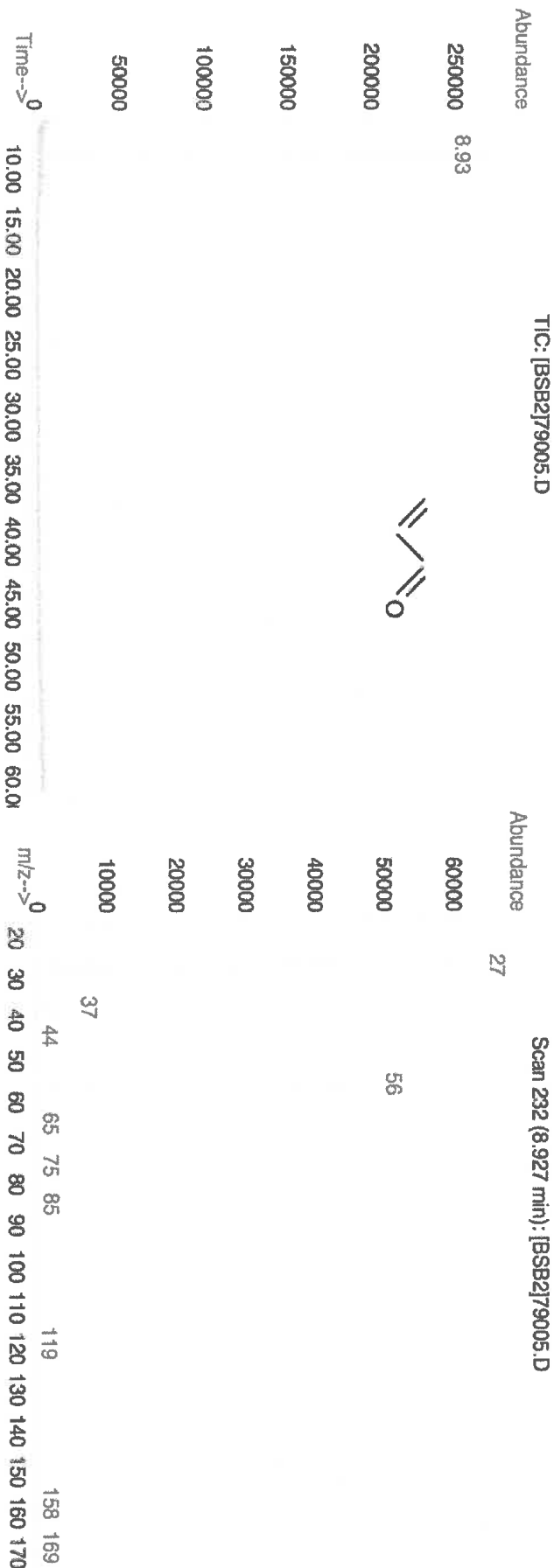
Formulated By:	Lawrence Barry
Reviewed By:	Pedro L. Rentas
DATE	100724

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 20.0
Balance Uncertainty: 5E-05
Flask Uncertainty: 0.002

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (Solvent Safety Info. On Attached pg.)		CAS#	OSHA PEL (TWA)	LD50
									(+/-) (µg/mL)	(µg/mL)			

1. Acrolein 5 103755R02H 5000 97 0.5 0.10307 0.10329 5010.4 51.9 107-02-8 0.1 ppm oil-rat 46mg/kg

Method: GC/MS/MS-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas, **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately.
Long term storage is not recommended. Please contact our technical department if further information is required.



- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H ₂ O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	NA		NA
Appearance and Odor	Completely miscible CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 100724
Description: Acrolein

Solvent(s): Water
Lot# 072324Q

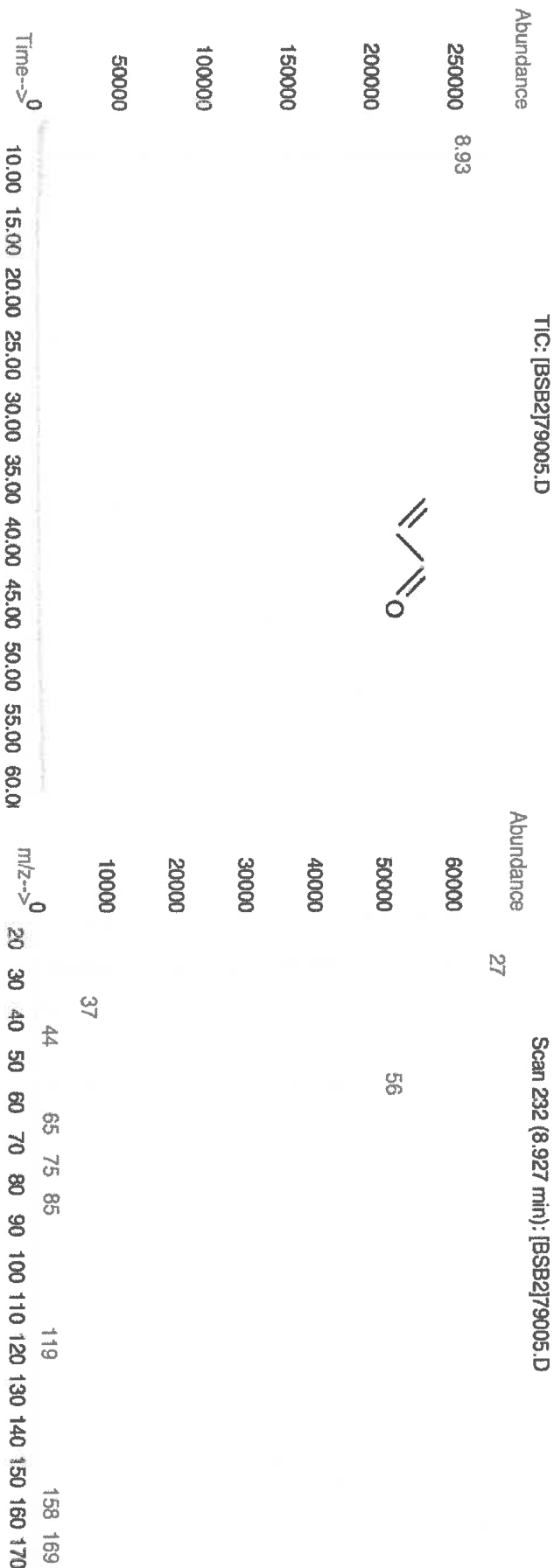
Formulated By:	Lawrence Barry
Reviewed By:	Pedro L. Rentas
DATE	100724

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 20.0
Balance Uncertainty: 5E-05
Flask Uncertainty: 0.002

SDS Information
(Solvent Safety Info. On Attached pg.)

1. Acrolein 5 103755R02H 5000 97 0.5 0.10307 0.10329 5010.4 51.9 107-02-8 0.1 ppm oil-rat 46mg/kg

Method: GC/MS/MS-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas, **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately.
Long term storage is not recommended. Please contact our technical department if further information is required.



- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H ₂ O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible		NA
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol
Lot# EA899-US

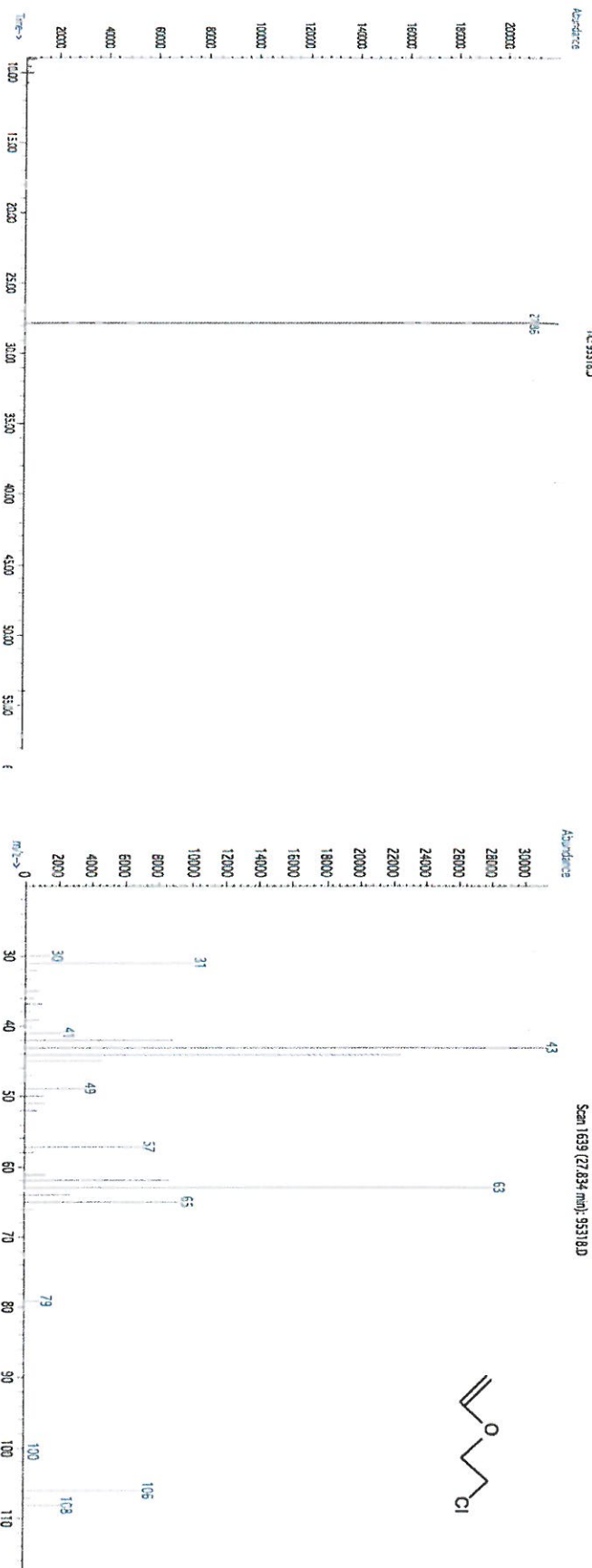
Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 30.0
5E-05 Balance Uncertainty
0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321
Reviewed By:	Pedro L. Rentes	121321
		DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LD50
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1. 2-Chloroethyl vinyl ether 74 MKCD0033 10000 99 0.2 0.30320 0.30411 10030.2 40.7 110-75-8 N/A or-rat 250mg/kg

Method: GC/MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp**=200°C, **Detector B Temp**=220°C. **Analyst:** Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol
Lot# EA899-US

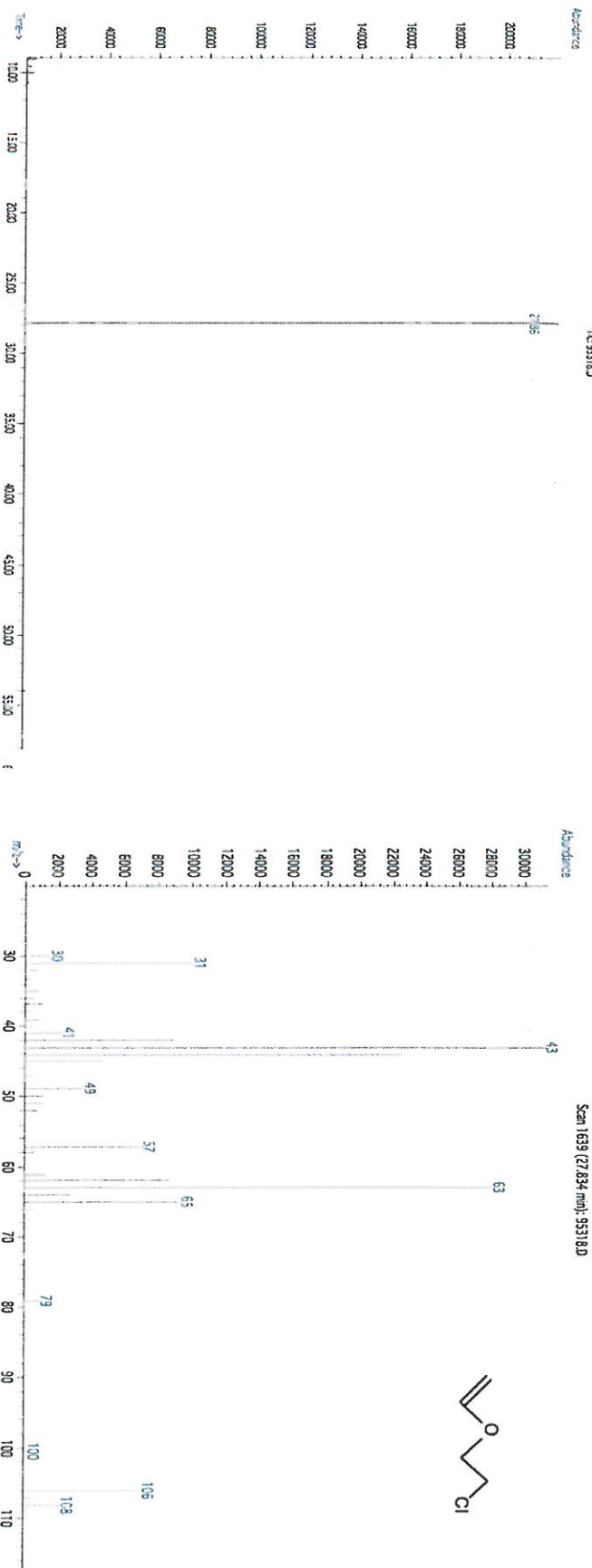
Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 30.0
5E-05 Balance Uncertainty
0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321
Reviewed By:	Pedro L. Rentes	121321
		DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LD50
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1. 2-Chloroethyl vinyl ether 74 MKCD0033 10000 99 0.2 0.30320 0.30411 10030.2 40.7 110-75-8 N/A or rat 250mg/kg

Method: GC/MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp**=200°C, **Detector B Temp**=220°C. **Analyst:** Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N., and Kuyal, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 Lot No.: A0181905
Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : February 28, 2025 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)												
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBM7694)	50,126.0 µg/mL	<table><tr><td>+/-</td><td>293.4988</td><td>µg/mL</td><td>Gravimetric</td></tr><tr><td>+/-</td><td>1,073.7654</td><td>µg/mL</td><td>Unstressed</td></tr><tr><td>+/-</td><td>1,104.9494</td><td>µg/mL</td><td>Stressed</td></tr></table>	+/-	293.4988	µg/mL	Gravimetric	+/-	1,073.7654	µg/mL	Unstressed	+/-	1,104.9494	µg/mL	Stressed
+/-	293.4988	µg/mL	Gravimetric												
+/-	1,073.7654	µg/mL	Unstressed												
+/-	1,104.9494	µg/mL	Stressed												

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

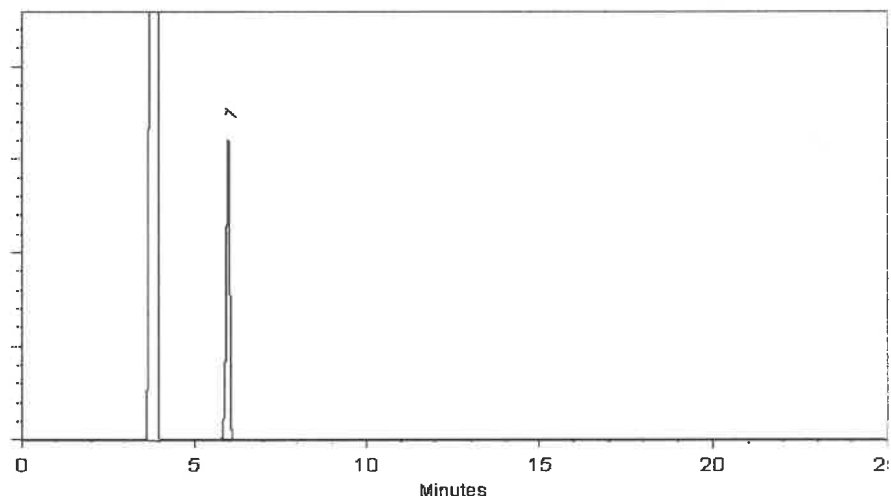
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022

Balance: B442140311

Marlene Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

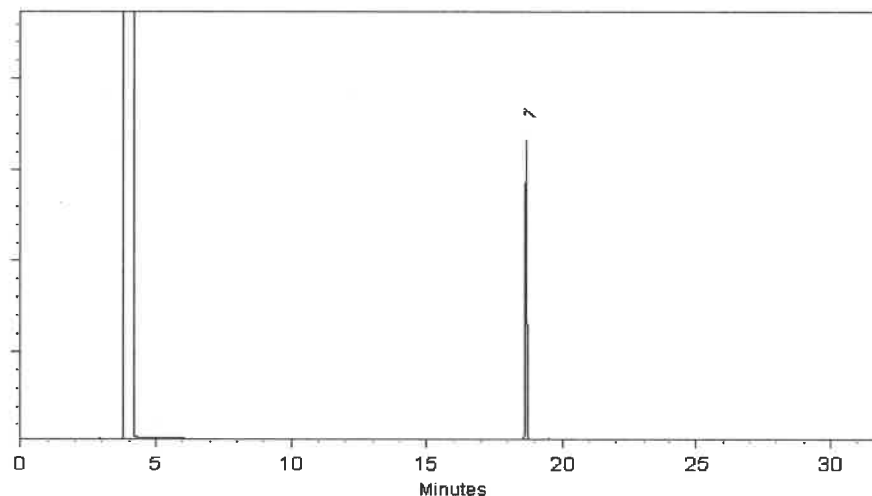
FID

Split Vent:

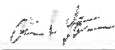
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022

Balance Serial # B251644995


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

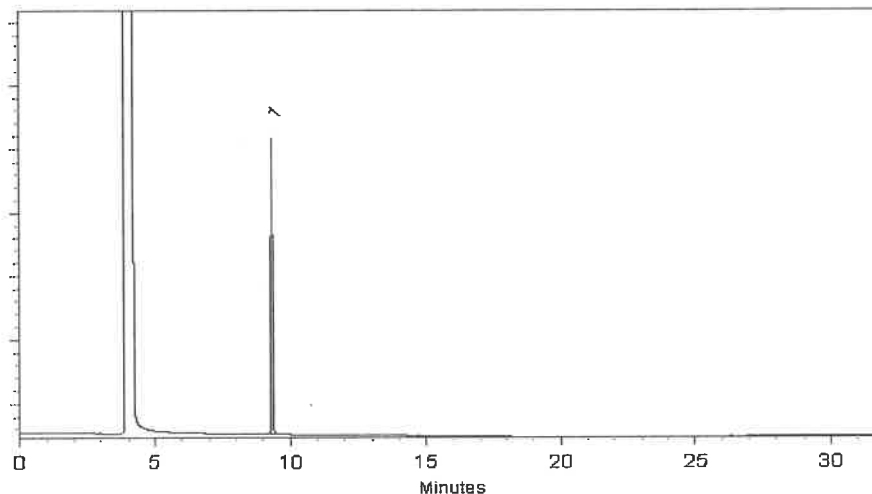
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

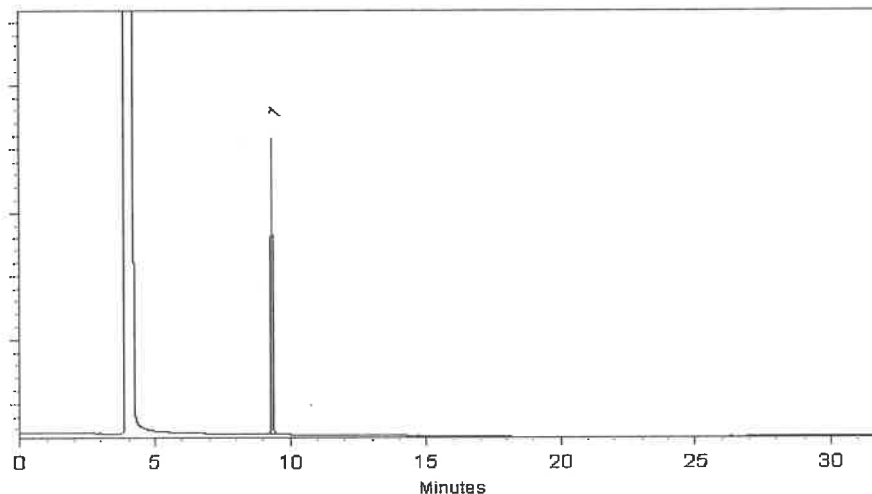
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

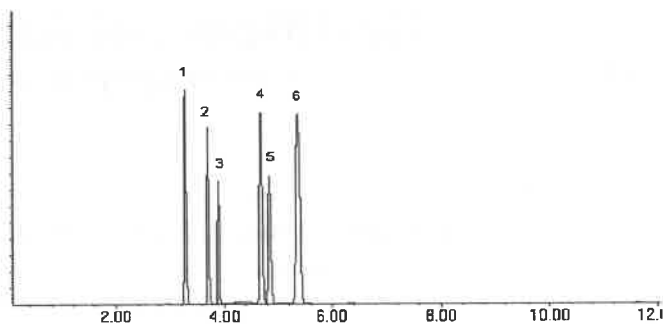
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023

Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

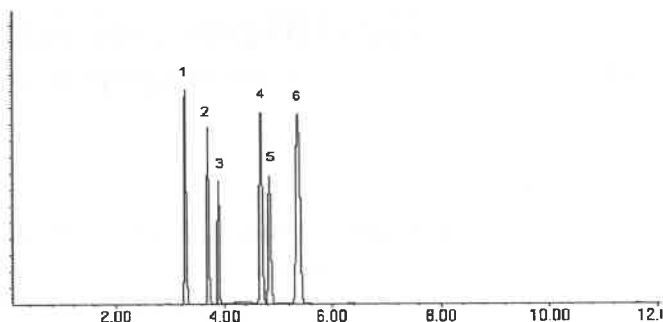
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023

Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023

Balance: 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

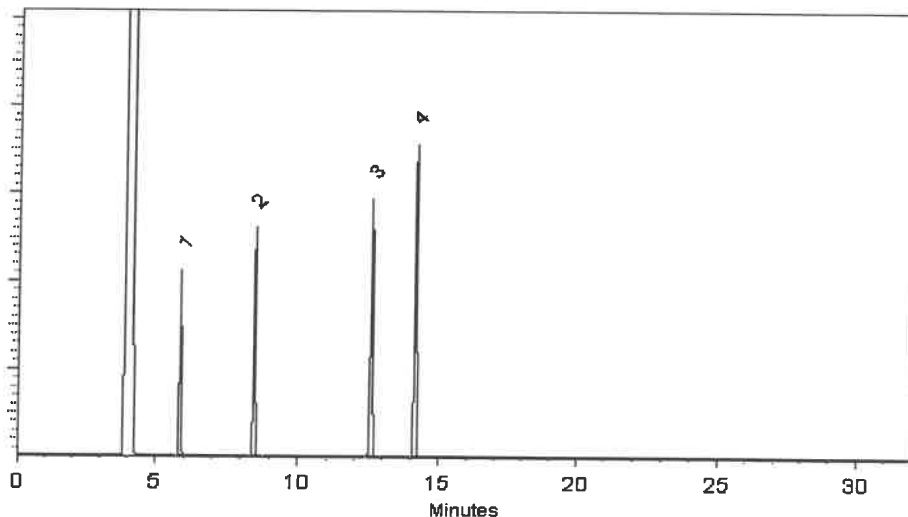
FID

Split Vent:

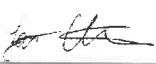
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

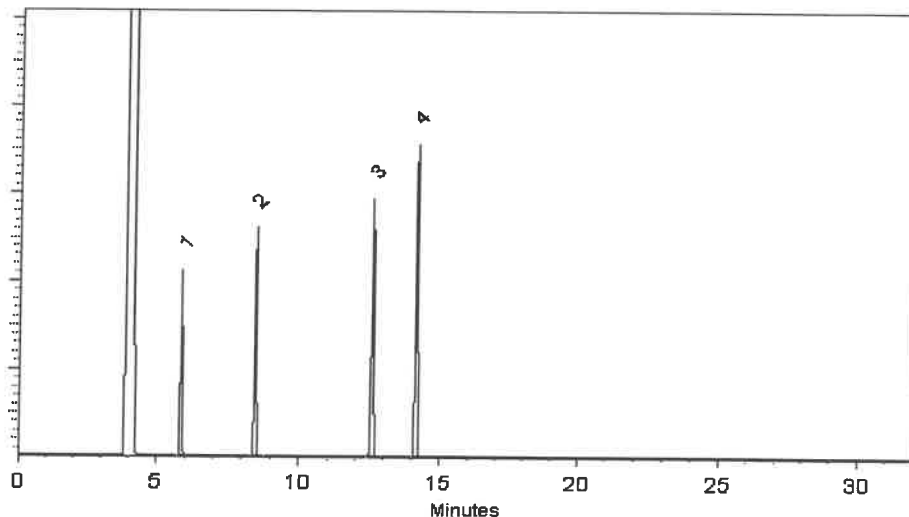
FID

Split Vent:

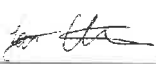
40 ml/min

Inj. Vol

1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

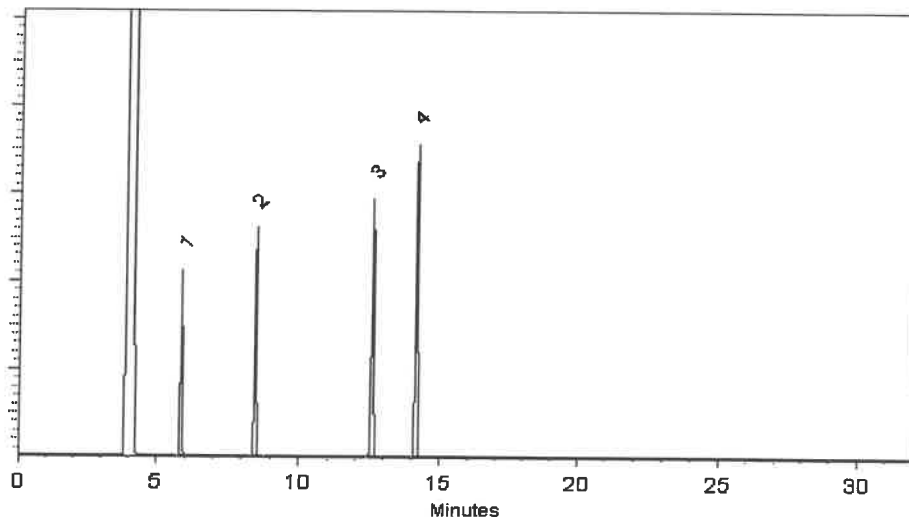
FID

Split Vent:

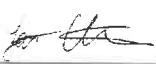
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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12
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2025 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

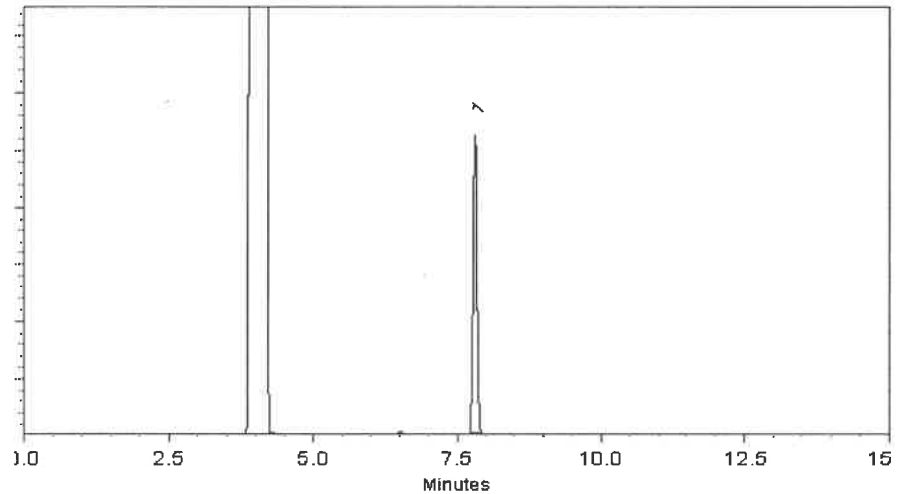
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023

Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

APPROVED
By: Jennifer Pollino (Date: 11-Dec-2023)

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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12
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2025 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

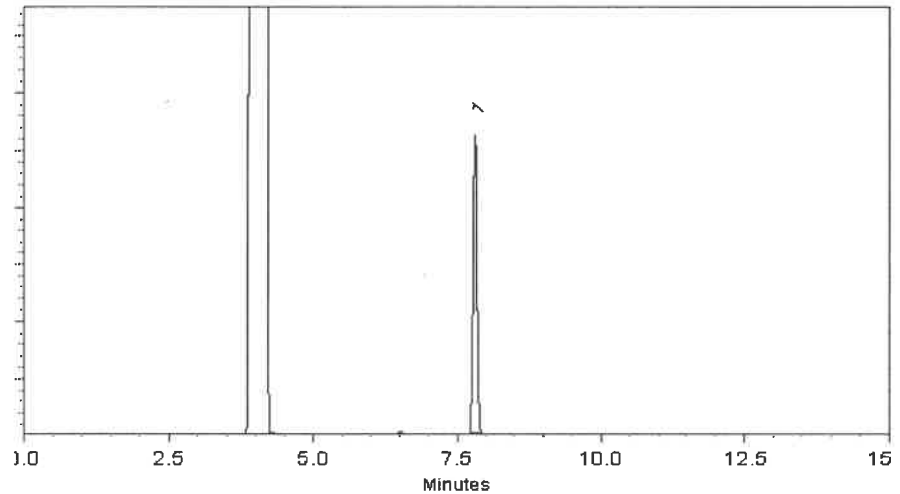
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023

Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

APPROVED
By: Jennifer Pollino (Date: 11-Dec-2023)

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

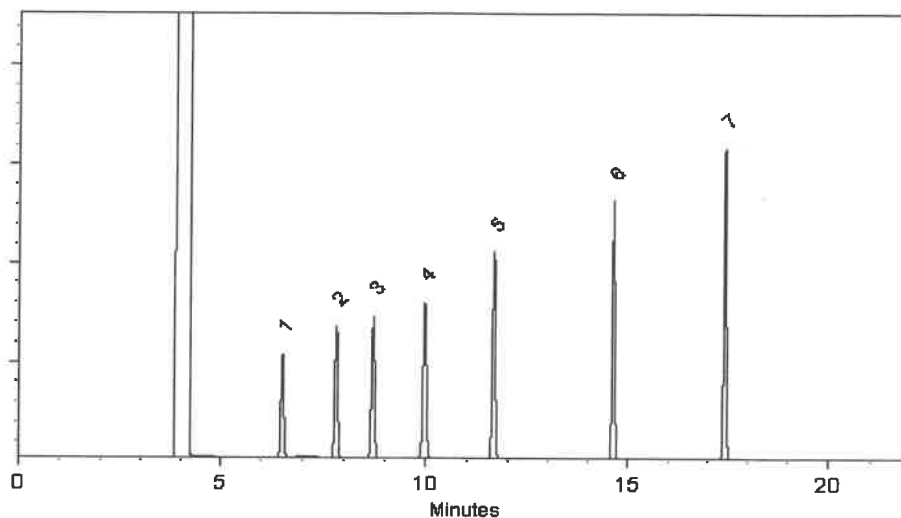
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024

Balance Serial # B707717271

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

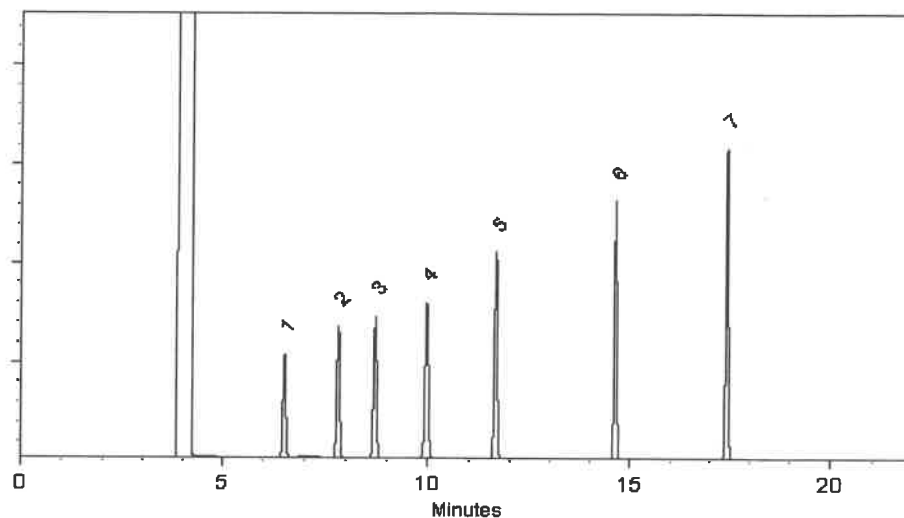
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024

Balance Serial # B707717271

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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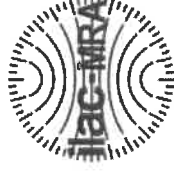
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555581 **Lot No.:** A0210184

Description: Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024

Balance: 11275.10105



Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (µeq/g)	≤ 0.3	0.2
Titration Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (µeq/g)	≤ 0.3	0.2
Titration Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
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Jamie Ethier
Vice President Global Quality



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 78-8922

www.chemtech.net

Chemtech Project Number:

P4600

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech

ADDRESS: 4433 Corporation Lane Suite 300

CITY: Virginia Beach STATE: VA ZIP: 23462

ATTENTION: Ernie Wu

PHONE: 757-466-4901

FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage

PROJECT #: 112G08005-WE13 LOCATION: VPB-189

PROJECT MANAGER: Ernie Wu

E-MAIL: ernie.wu@tetrattech.com

PHONE: 757-466-4901

FAX: 757-461-4148

BILLING INFORMATION

BILL TO: SEE CONTRACT

PO#

ADDRESS:

CITY:

STATE: ZIP:

ATTENTION:

PHONE:

DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*

HARD COPY: 2 & 10 DAYS*

EDD 2 & 10 DAYS*

* TO BE APPROVED BY CHEMTECH

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

ANALYSIS

VOC (SW846-8260B)

1,4 Dioxane (8270 SIM)

1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									
			COMP	GRAB	DATE	TIME		A									
1.	BP-VPB-190-TB-20241025	QA		X	10/25/24	8:00	2	2									Trip Blank
2.	BP-VPB-190-DUP-20241025	QA		X	10/25/24	12:00	2	2									Duplicate sample
3.	BP-VPB-190-GW-438-440	AQ		X	10/25/24	10:00	3	2	1								
4.	BP-VPB-190-GW-458-460	AQ		X	10/25/24	12:15	2	2									
5.	BP-VPB-190-GW-478-480	AQ		X	10/25/24	14:35	3	2	1								
6.	BP-VPB-190-GW-498-500	AQ		X	10/28/24	11:50	2	2									
7.	BP-VPB-190-GW-518-520	AQ		X	10/28/24	14:05	3	2	1								
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER

DATE/TIME
10/28/24
15:15

RECEIVED BY

1530
10-28-24

RELINQUISHED BY

DATE/TIME
10-28-24

RECEIVED BY

1810
10-28-24

RELINQUISHED BY

DATE/TIME
10-28-24

RECEIVED BY

1810
10-28-24

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.7°C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:

Comments: 48hr TAT - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
10-DAY TAT - For 1,4 Dioxane (8270 SIM)

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

Page 1 of 1

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4600	TETR06	Order Date : 10/29/2024 10:17:00 AM	Project Name :
Client Name : Tetra Tech NUS, Inc.		Project Name : CTO WE13	Report Type : Level 4
Client Contact : Ernie Wu		Receive DateTime : 10/29/2024 6:10:00 PM	EDD Type : ADAPT
Invoice Name : Tetra Tech NUS, Inc.		Purchase Order : 10/28/2024	Hard Copy Date :
Invoice Contact : Ernie Wu			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4600-01	BP-VPB-190-TB-20241025	Water	10/25/2024	08:00	VOCMS Group1		8260-Low	2 Bus. Days	
P4600-02	BP-VPB-190-DUP-20241025	Water	10/25/2024	12:00	VOCMS Group1		8260-Low	2 Bus. Days	
P4600-03	BP-VPB-190-GW-438-440	Water	10/25/2024	10:00	VOCMS Group1		8260-Low	2 Bus. Days	
P4600-04	BP-VPB-190-GW-458-460	Water	10/25/2024	12:15	VOCMS Group1		8260-Low	2 Bus. Days	
P4600-05	BP-VPB-190-GW-478-480	Water	10/25/2024	14:35	VOCMS Group1		8260-Low	2 Bus. Days	
P4600-06	BP-VPB-190-GW-498-500	Water	10/25/2024 10/28/2024	11:50	VOCMS Group1		8260-Low	2 Bus. Days	
P4600-07	BP-VPB-190-GW-518-520	Water	10/25/2024 10/28/2024	14:05	VOCMS Group1		8260-Low	2 Bus. Days	



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

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Order ID : P4600 TETR06

Client Name : Tetra Tech NUS, Inc.

Client Contact : Ernie Wu

Invoice Name : Tetra Tech NUS, Inc.

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Order Date : 10/29/2024 10:17:00 AM

Project Name : CTO WE13

Receive DateTime : 10/29/2024 6:10:00 PM
10/28/2024

Purchase Order :

Project Mgr :

Report Type : Level 4

EDD Type : ADAPT

Hard Copy Date :

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By : [Signature]

Date / Time : 10-29-24 1230

Received By : [Signature]

Date / Time : 10/29/24 12:30

Storage Area : VOA Refridgerator Room