

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:	Q1690	OrderDate:	4/1/2025 12:32:10 PM
Client:	G Environmental	Project:	TGP
Contact:	Gary Landis	Location:	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1690-01	MW112010	Water	VOC-TCLVOA-10	8260D	03/31/25		04/01/25	04/01/25

Hit Summary Sheet
SW-846

SDG No.: Q1690
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW112010							
Q1690-01	MW112010	Water	Acetone	35.6		1.50	25.0	ug/L
Q1690-01	MW112010	Water	Methyl Acetate	9.70		0.27	5.00	ug/L
			Total Voc :			45.3		
Q1690-01	MW112010	Water	unknown16.558	* 11.5	J	0	0	ug/L
Q1690-01	MW112010	Water	1-Decanol	* 22.9	J	0	0	ug/L
Q1690-01	MW112010	Water	Cyclooctane	* 12.0	J	0	0	ug/L
Q1690-01	MW112010	Water	Cyclododecane	* 26.2	J	0	0	ug/L
			Total Tics :			72.6		
			Total Concentration:			118		



QC SUMMARY

Surrogate Summary

SDG No.: **Q1690**

Client: **G Environmental**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1690-01	MW112010	1,2-Dichloroethane-d4	50	57.7	115	70 (74)	130 (125)
		Dibromofluoromethane	50	49.2	98	70 (75)	130 (124)
		Toluene-d8	50	49.5	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104	70 (77)	130 (121)
VN0401WBL01	VN0401WBL01	1,2-Dichloroethane-d4	50	60.5	121	70 (74)	130 (125)
		Dibromofluoromethane	50	53.9	108	70 (75)	130 (124)
		Toluene-d8	50	47.4	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.8	88	70 (77)	130 (121)
VN0401WBS01	VN0401WBS01	1,2-Dichloroethane-d4	50	52.1	104	70 (74)	130 (125)
		Dibromofluoromethane	50	49.4	99	70 (75)	130 (124)
		Toluene-d8	50	49.7	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)
VN0401WBSD0	VN0401WBSD01	1,2-Dichloroethane-d4	50	54.0	108	70 (74)	130 (125)
		Dibromofluoromethane	50	47.4	95	70 (75)	130 (124)
		Toluene-d8	50	48.3	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.3	97	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: SW8260D

Datafile : VN086194.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0401WBS01	Dichlorodifluoromethane	20	24.5	ug/L	123			40 (69)	160 (116)	
	Chloromethane	20	20.0	ug/L	100			40 (65)	160 (116)	
	Vinyl chloride	20	22.0	ug/L	110			70 (65)	130 (117)	
	Bromomethane	20	20.2	ug/L	101			40 (58)	160 (125)	
	Chloroethane	20	20.0	ug/L	100			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.2	ug/L	101			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/L	97			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.2	ug/L	91			70 (74)	130 (110)	
	Acetone	100	82.0	ug/L	82			40 (60)	160 (125)	
	Carbon disulfide	20	16.8	ug/L	84			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.2	ug/L	91			70 (78)	130 (114)	
	Methyl Acetate	20	16.5	ug/L	83			70 (67)	130 (125)	
	Methylene Chloride	20	18.2	ug/L	91			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.3	ug/L	92			70 (78)	130 (112)	
	Cyclohexane	20	17.1	ug/L	86			70 (75)	130 (110)	
	2-Butanone	100	84.1	ug/L	84			40 (65)	160 (122)	
	Carbon Tetrachloride	20	22.0	ug/L	110			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.3	ug/L	92			70 (77)	130 (110)	
	Bromochloromethane	20	20.5	ug/L	103			70 (70)	130 (124)	
	Chloroform	20	20.0	ug/L	100			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.9	ug/L	104			70 (80)	130 (108)	
	Methylcyclohexane	20	18.1	ug/L	91			70 (72)	130 (115)	
	Benzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.6	ug/L	103			70 (80)	130 (115)	
	Trichloroethene	20	18.8	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.2	ug/L	96			70 (83)	130 (111)	
	Bromodichloromethane	20	20.6	ug/L	103			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	98.4	ug/L	98			40 (74)	160 (118)	
	Toluene	20	21.3	ug/L	106			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.8	ug/L	104			70 (83)	130 (112)	
	2-Hexanone	100	100	ug/L	100			40 (73)	160 (117)	
	Dibromochloromethane	20	21.3	ug/L	106			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.0	ug/L	100			70 (81)	130 (110)	
	Tetrachloroethene	20	20.0	ug/L	100			70 (67)	130 (123)	
	Chlorobenzene	20	18.4	ug/L	92			70 (82)	130 (109)	
	Ethyl Benzene	20	18.6	ug/L	93			70 (83)	130 (109)	
	m/p-Xylenes	40	39.7	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	19.8	ug/L	99			70 (83)	130 (109)	
	Styrene	20	19.5	ug/L	98			70 (80)	130 (111)	
	Bromoform	20	19.8	ug/L	99			70 (79)	130 (109)	
	Isopropylbenzene	20	17.7	ug/L	89			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.0	ug/L	85			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.7	ug/L	89			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690
Client: G Environmental
Analytical Method: SW8260D **Datafile :** VN086194.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0401WBS01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/L	89			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	15.4	ug/L	77			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.0	ug/L	85			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **Q1690**

Client: **G Environmental**

Analytical Method: **SW8260D**

Datafile : VN086195.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0401WBSD01	Dichlorodifluoromethane	20	22.5	ug/L	113	8		40 (69)	160 (116)	20 (20)
	Chloromethane	20	21.5	ug/L	108	8		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	20.7	ug/L	104	6		70 (65)	130 (117)	20 (20)
	Bromomethane	20	20.6	ug/L	103	2		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.4	ug/L	92	8		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	17.6	ug/L	88	14		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	17.0	ug/L	85	13		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	15.2	ug/L	76	18		70 (74)	130 (110)	20 (20)
	Acetone	100	75.7	ug/L	76	8		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	14.6	ug/L	73	14		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	17.6	ug/L	88	3		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	16.3	ug/L	81	2		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	17.0	ug/L	85	7		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	16.2	ug/L	81	16		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	17.0	ug/L	85	8		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	15.8	ug/L	79	8		70 (75)	130 (110)	20 (20)
	2-Butanone	100	81.3	ug/L	81	4		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.9	ug/L	100	10		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	17.4	ug/L	87	6		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	21.0	ug/L	105	2		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.1	ug/L	96	4		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.5	ug/L	98	6		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.0	ug/L	85	7		70 (72)	130 (115)	20 (20)
	Benzene	20	18.5	ug/L	93	4		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.1	ug/L	101	2		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.6	ug/L	88	7		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	19.1	ug/L	96	0		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	20.4	ug/L	102	1		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	96.0	ug/L	96	2		40 (74)	160 (118)	20 (20)
	Toluene	20	19.7	ug/L	99	7		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.4	ug/L	97	0		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	18.7	ug/L	94	4		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	19.8	ug/L	99	5		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	93.5	ug/L	94	6		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	20.5	ug/L	103	3		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.7	ug/L	99	1		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.0	ug/L	95	5		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	17.7	ug/L	89	3		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	17.0	ug/L	85	9		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	35.1	ug/L	88	12		70 (82)	130 (110)	20 (20)
	o-Xylene	20	17.8	ug/L	89	11		70 (83)	130 (109)	20 (20)
	Styrene	20	18.0	ug/L	90	9		70 (80)	130 (111)	20 (20)
	Bromoform	20	19.2	ug/L	96	3		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	16.5	ug/L	83	7		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	17.1	ug/L	86	1		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	17.3	ug/L	86	5		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	16.4	ug/L	82	7		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	16.8	ug/L	84	6		70 (82)	130 (109)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: SW8260D

Datafile : VN086195.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0401WBSD01	1,2-Dibromo-3-Chloropropane	20	17.4	ug/L	87	2		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	15.0	ug/L	75	3		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	15.6	ug/L	78	9		70 (76)	130 (114)	20 (20)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0401WBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1690

SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: VN086193.D

Lab Sample ID: VN0401WBL01

Date Analyzed: 04/01/2025

Time Analyzed: 13:29

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0401WBS01	VN0401WBS01	VN086194.D	04/01/2025
VN0401WBSD01	VN0401WBSD01	VN086195.D	04/01/2025
MW112010	Q1690-01	VN086198.D	04/01/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690
Lab File ID: VN085994.D BFB Injection Date: 03/18/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:52
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.2
75	30.0 - 60.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	87.1
175	5.0 - 9.0% of mass 174	6.7 (7.7) 1
176	95.0 - 101.0% of mass 174	83.7 (96.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC100	VSTDIC100	VN085996.D	03/18/2025	11:44
VSTDICCC050	VSTDICCC050	VN085997.D	03/18/2025	12:08
VSTDIC020	VSTDIC020	VN085998.D	03/18/2025	12:32
VSTDIC010	VSTDIC010	VN085999.D	03/18/2025	12:57
VSTDIC005	VSTDIC005	VN086000.D	03/18/2025	13:21
VSTDIC001	VSTDIC001	VN086001.D	03/18/2025	14:09



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690
Lab File ID: VN086190.D BFB Injection Date: 04/01/2025
Instrument ID: MSVOA_N BFB Injection Time: 11:41
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.2 (1.5) 1
174	50.0 - 100.0% of mass 95	79.6
175	5.0 - 9.0% of mass 174	5.7 (7.1) 1
176	95.0 - 101.0% of mass 174	76.2 (95.8) 1
177	5.0 - 9.0% of mass 176	5.4 (7.1) 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	VN086191.D	04/01/2025	12:30
VN0401WBL01	VN0401WBL01	VN086193.D	04/01/2025	13:29
VN0401WBS01	VN0401WBS01	VN086194.D	04/01/2025	13:54
VN0401WBSD01	VN0401WBSD01	VN086195.D	04/01/2025	14:48
MW112010	Q1690-01	VN086198.D	04/01/2025	16:01

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690
Lab File ID: VN086191.D Date Analyzed: 04/01/2025
Instrument ID: MSVOA_N Time Analyzed: 12:30
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	131862	8.22	204993	9.10	195897	11.87
UPPER LIMIT	263724	8.724	409986	9.6	391794	12.365
LOWER LIMIT	65931	7.724	102497	8.6	97948.5	11.365
EPA SAMPLE NO.						
MW112010	155880	8.22	278463	9.10	256873	11.87
VN0401WBL01	103379	8.22	183913	9.10	165471	11.87
VN0401WBS01	124765	8.22	197440	9.10	188658	11.87
VN0401WBSD01	113137	8.22	183169	9.10	166660	11.87

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690
 Lab File ID: VN086191.D Date Analyzed: 04/01/2025
 Instrument ID: MSVOA_N Time Analyzed: 12:30
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	111589	13.788				
UPPER LIMIT	223178	14.288				
LOWER LIMIT	55794.5	13.288				
EPA SAMPLE NO.						
MW112010	118313	13.79				
VN0401WBL01	65170	13.79				
VN0401WBS01	101045	13.79				
VN0401WBSD01	87066	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086198.D	1		04/01/25 16:01	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	35.6		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	9.70		0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	0.14	U	0.14	5.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086198.D	1		04/01/25 16:01	VN040125

[illegible]

Report of Analysis

Client:	G Environmental		Date Collected:	03/31/25	
Project:	TGP		Date Received:	04/01/25	
Client Sample ID:	MW112010		SDG No.:	Q1690	
Lab Sample ID:	Q1690-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086198.D	1		04/01/25 16:01	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000292-64-8	Cyclooctane	12.0	J		14.2	ug/L
000294-62-2	Cyclododecane	26.2	J		14.3	ug/L
000112-30-1	1-Decanol	22.9	J		16.0	ug/L
	unknown16.558	11.5	J		16.6	ug/L

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_N\Data\VN040125\
 Data File : VN086198.D
 Acq On : 01 Apr 2025 16:01
 Operator : JC\MD
 Sample : Q1690-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW112010

Quant Time: Apr 02 01:53:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

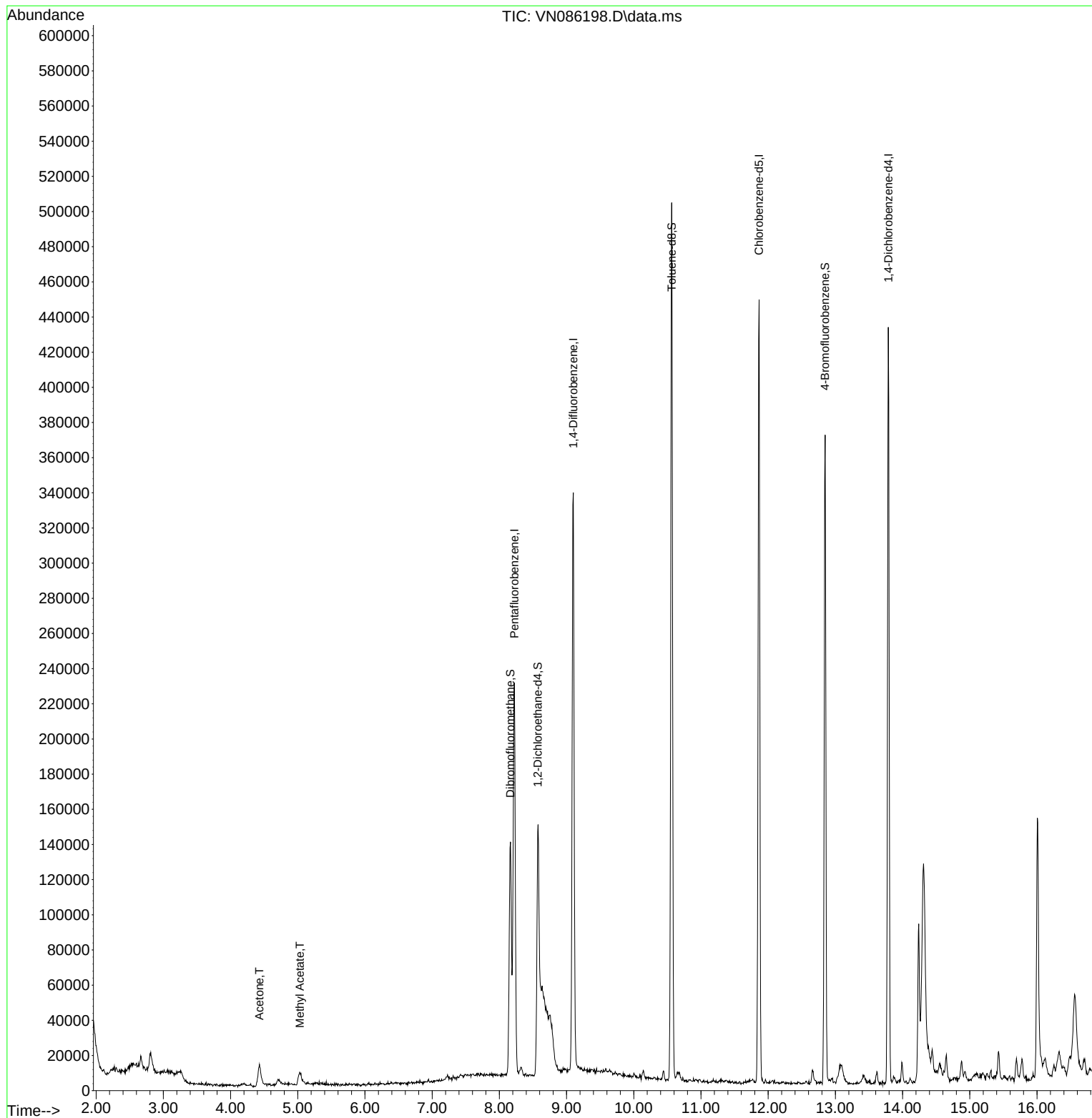
Internal Standards						
1) Pentafluorobenzene	8.224	168	155880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	123079	57.661	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.320%
35) Dibromofluoromethane	8.165	113	95606	49.189	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.380%
50) Toluene-d8	10.565	98	349170	49.499	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.000%
62) 4-Bromofluorobenzene	12.847	95	130215	51.761	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.520%
Target Compounds						
16) Acetone	4.430	43	23211	35.593	ug/l	98
18) Methyl Acetate	5.030	43	15706	9.734	ug/l	94

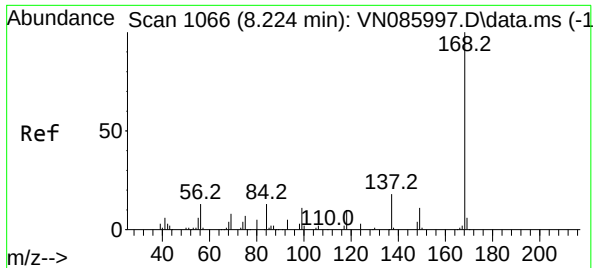
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Time: Apr 02 01:53:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

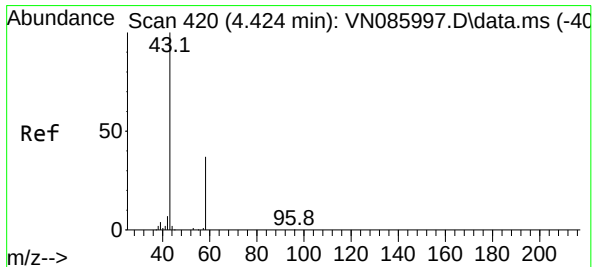
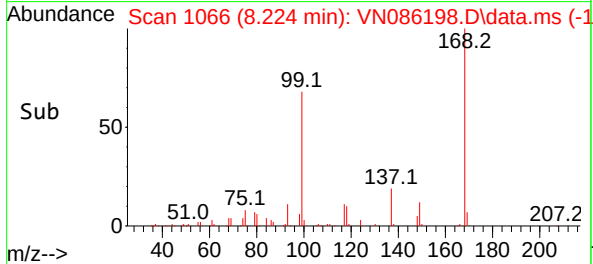
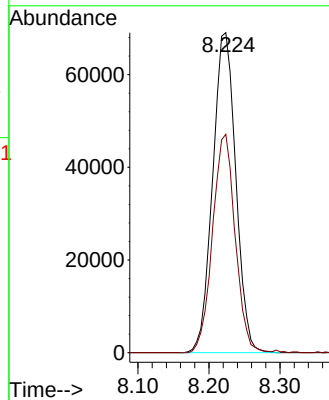
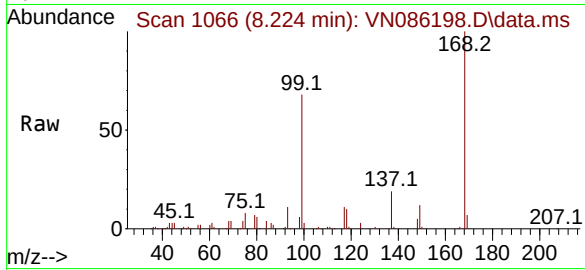




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

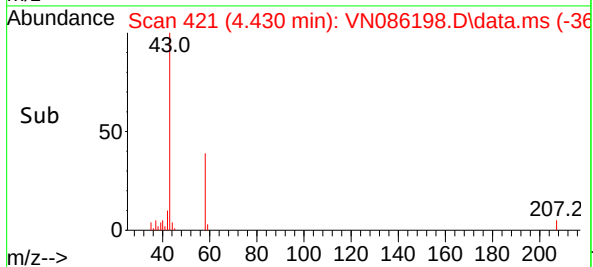
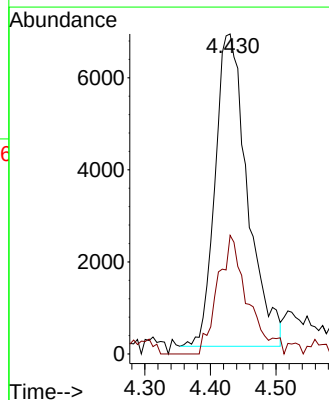
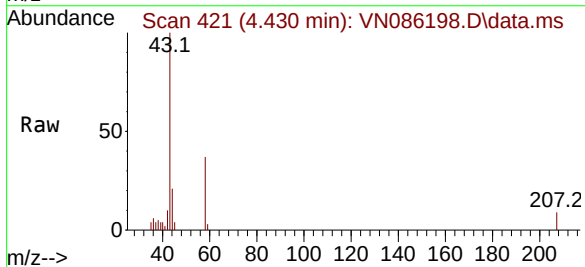
Instrument :
MSVOA_N
ClientSampleId :
MW112010

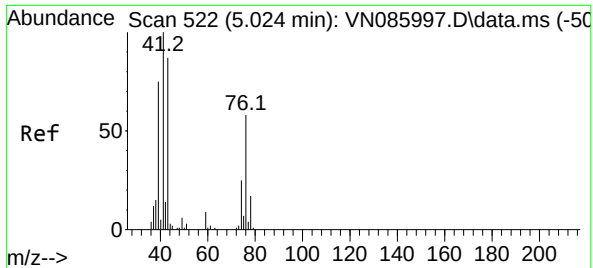
Tgt Ion:168 Resp: 155880
Ion Ratio Lower Upper
168 100
99 68.2 49.4 74.2



#16
Acetone
Concen: 35.593 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 43 Resp: 23211
Ion Ratio Lower Upper
43 100
58 38.0 29.4 44.2





#18

Methyl Acetate

Concen: 9.734 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN086198.D

Acq: 01 Apr 2025 16:01

Instrument :

MSVOA_N

ClientSampleId :

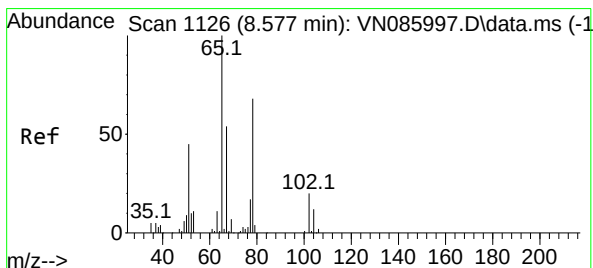
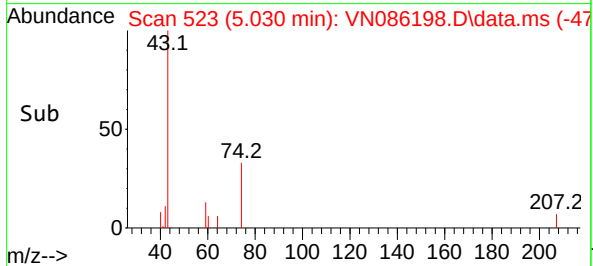
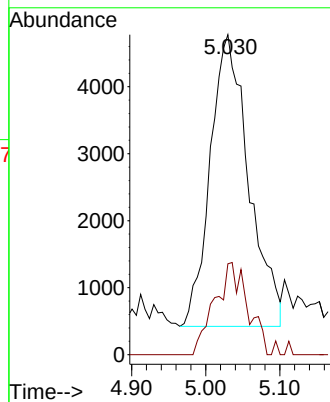
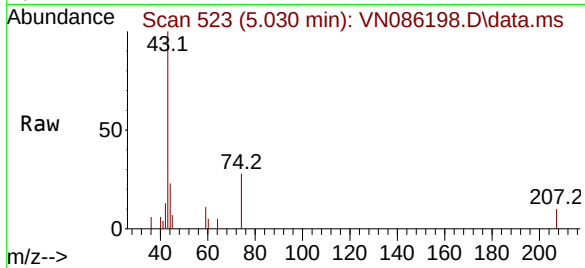
MW112010

Tgt Ion: 43 Resp: 15706

Ion Ratio Lower Upper

43 100

74 26.9 23.9 35.9



#33

1,2-Dichloroethane-d4

Concen: 57.661 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN086198.D

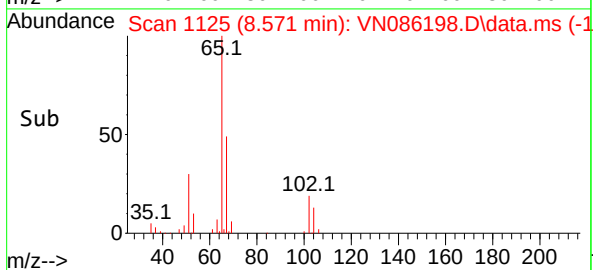
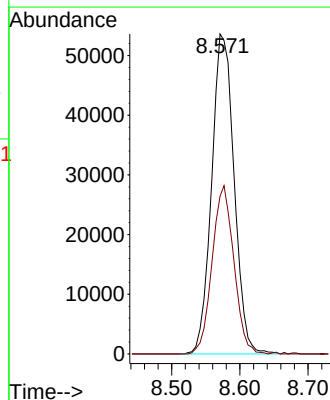
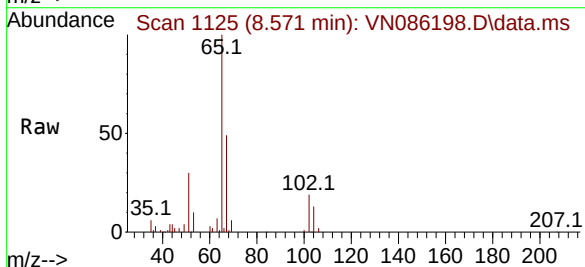
Acq: 01 Apr 2025 16:01

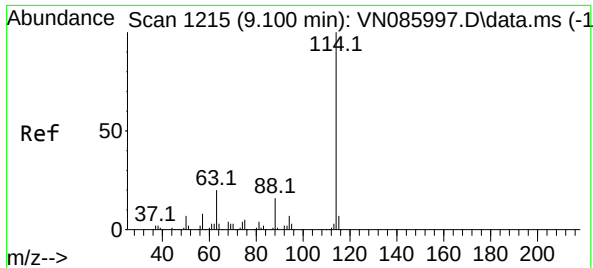
Tgt Ion: 65 Resp: 123079

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086198.D

Acq: 01 Apr 2025 16:01

Instrument :

MSVOA_N

ClientSampleId :

MW112010

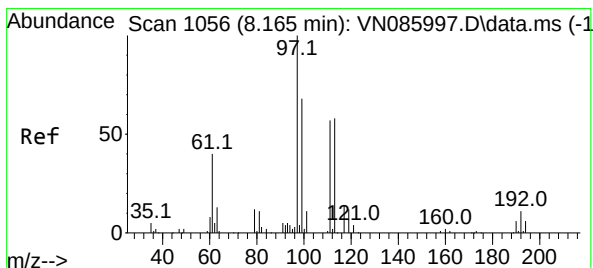
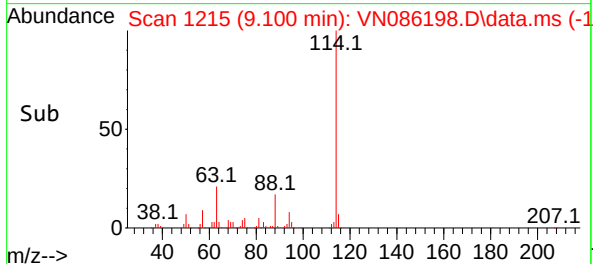
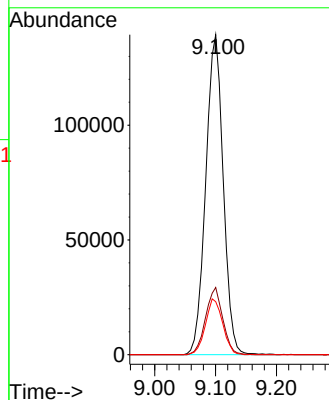
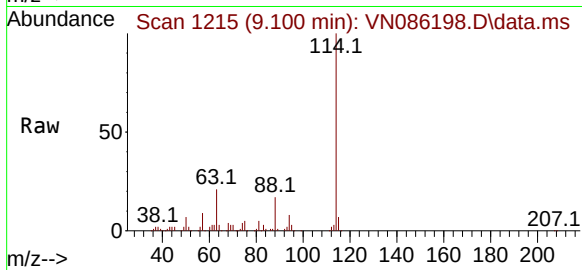
Tgt Ion:114 Resp: 278463

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.6

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.189 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086198.D

Acq: 01 Apr 2025 16:01

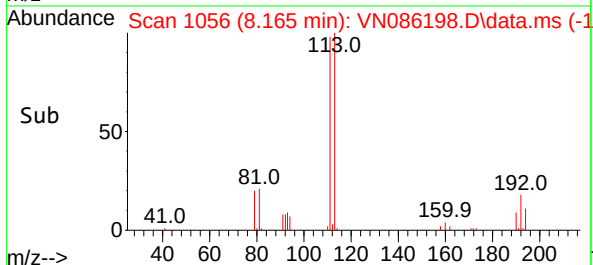
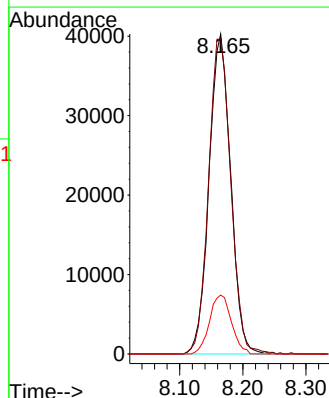
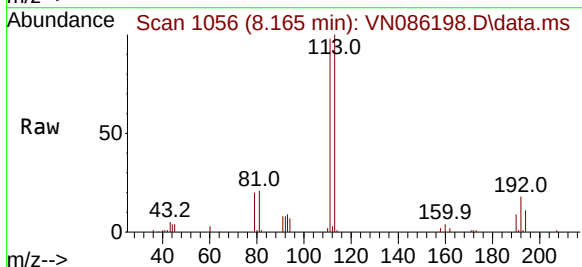
Tgt Ion:113 Resp: 95606

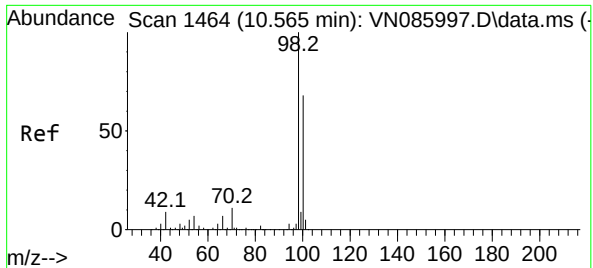
Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

192 18.7 15.9 23.9

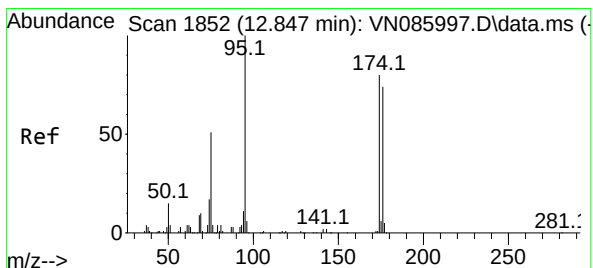
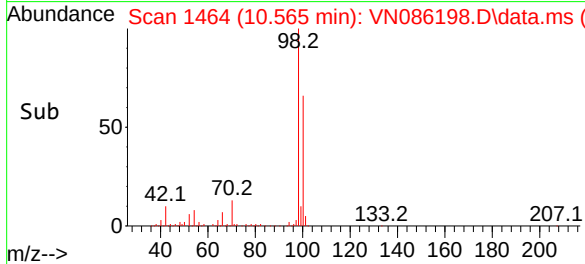
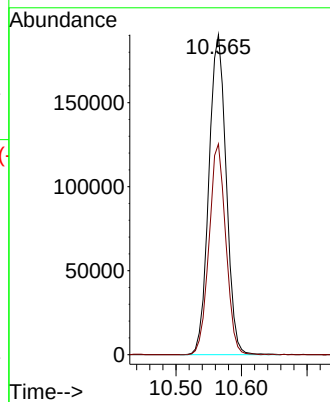
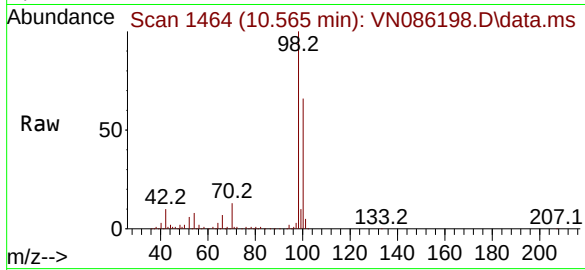




#50
Toluene-d8
Concen: 49.499 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

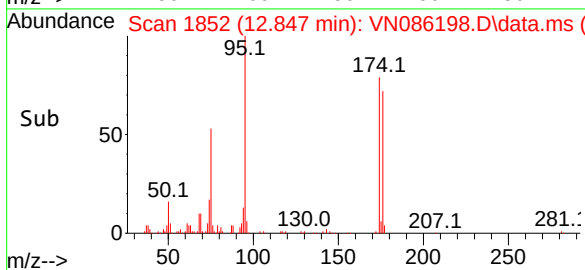
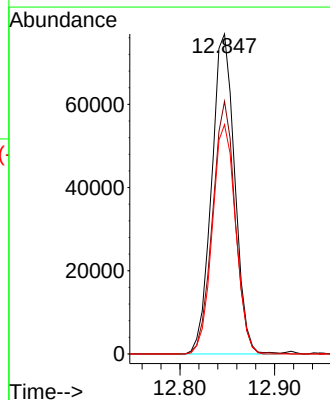
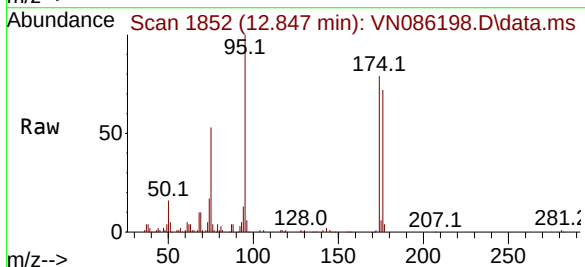
Instrument :
MSVOA_N
ClientSampleId :
MW112010

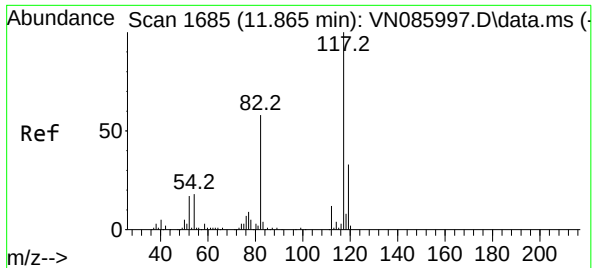
Tgt Ion: 98 Resp: 349170
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 51.761 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 95 Resp: 130215
Ion Ratio Lower Upper
95 100
174 77.6 0.0 156.8
176 72.4 0.0 152.2

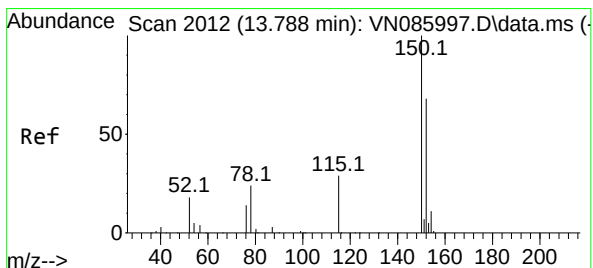
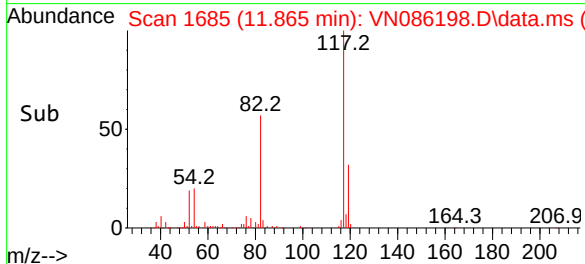
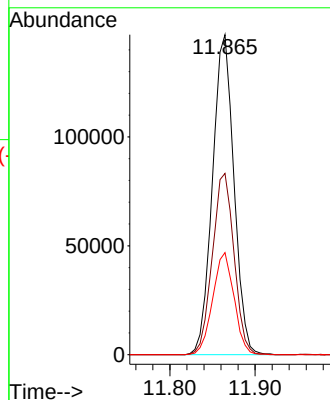
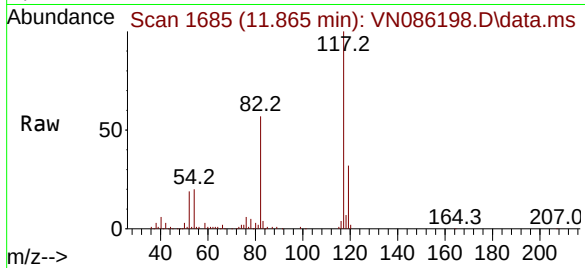




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

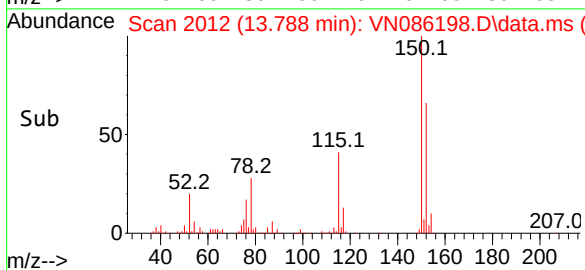
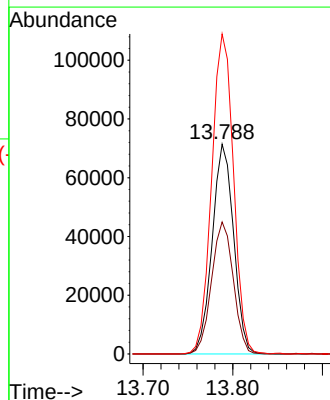
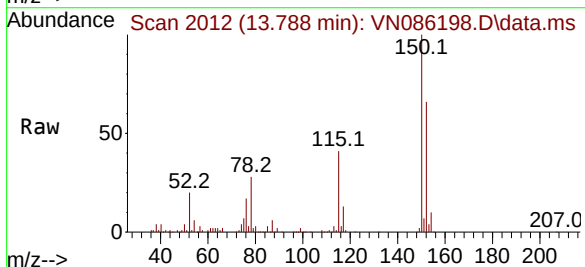
Instrument :
MSVOA_N
ClientSampleId :
MW112010

Tgt Ion:117 Resp: 256873
Ion Ratio Lower Upper
117 100
82 56.7 46.7 70.1
119 31.9 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion:152 Resp: 118313
Ion Ratio Lower Upper
152 100
115 63.9 31.1 93.2
150 155.3 0.0 359.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086198.D
 Acq On : 01 Apr 2025 16:01
 Operator : JC\MD
 Sample : Q1690-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW112010

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_N\methods\82N031825W.M
 Title : SW846 8260

Signal : TIC: VN086198.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.665	119	121	127	rVB3	7142	10530	1.15%	0.163%
2	2.812	141	146	154	rVB7	10224	26034	2.85%	0.404%
3	4.430	410	421	435	rBV2	12745	44101	4.83%	0.684%
4	5.030	514	523	525	rBV3	7283	16670	1.83%	0.259%
5	8.165	1046	1056	1060	rBV	132728	312268	34.20%	4.845%
6	8.224	1060	1066	1077	rVV	223277	506141	55.43%	7.853%
7	8.318	1077	1082	1089	rVB7	4653	11603	1.27%	0.180%
8	8.577	1117	1126	1134	rBV2	142283	397291	43.51%	6.164%
9	9.100	1206	1215	1227	rBV	328472	676260	74.06%	10.493%
10	10.141	1387	1392	1399	rBV6	5331	11416	1.25%	0.177%
11	10.441	1439	1443	1449	rVB5	5747	10340	1.13%	0.160%
12	10.565	1455	1464	1473	rBV	499420	913093	100.00%	14.167%
13	11.865	1676	1685	1697	rVB	445766	789115	86.42%	12.244%
14	12.659	1816	1820	1827	rBV4	7148	14327	1.57%	0.222%
15	12.847	1845	1852	1861	rBV	369218	631611	69.17%	9.800%
16	13.065	1879	1889	1890	rBV6	10382	20275	2.22%	0.315%
17	13.618	1979	1983	1989	rVB6	7234	12980	1.42%	0.201%
18	13.788	2004	2012	2021	rBV	430323	722882	79.17%	11.216%
19	13.988	2042	2046	2054	rVB2	11590	18894	2.07%	0.293%
20	14.241	2079	2089	2093	rBV	90319	173042	18.95%	2.685%
21	14.312	2093	2101	2112	rVB5	109088	378179	41.42%	5.868%
22	14.441	2120	2123	2129	rVB5	12743	20793	2.28%	0.323%
23	14.553	2137	2142	2150	rVV9	7113	18537	2.03%	0.288%
24	14.653	2154	2159	2167	rVB3	15579	32109	3.52%	0.498%
25	14.876	2192	2197	2202	rBV4	9308	16848	1.85%	0.261%
26	15.429	2283	2291	2300	rVB9	15836	34134	3.74%	0.530%
27	15.694	2330	2336	2342	rBV3	13227	27779	3.04%	0.431%
28	15.776	2344	2350	2356	rVB4	11304	25111	2.75%	0.390%
29	16.006	2382	2389	2402	rBV2	147660	330404	36.19%	5.126%
30	16.253	2426	2431	2434	rBV7	6723	12823	1.40%	0.199%
31	16.329	2434	2444	2452	rVV6	11726	40658	4.45%	0.631%
32	16.488	2463	2471	2472	rBV5	10897	22318	2.44%	0.346%
33	16.559	2474	2483	2497	rVB5	42507	166597	18.25%	2.585%

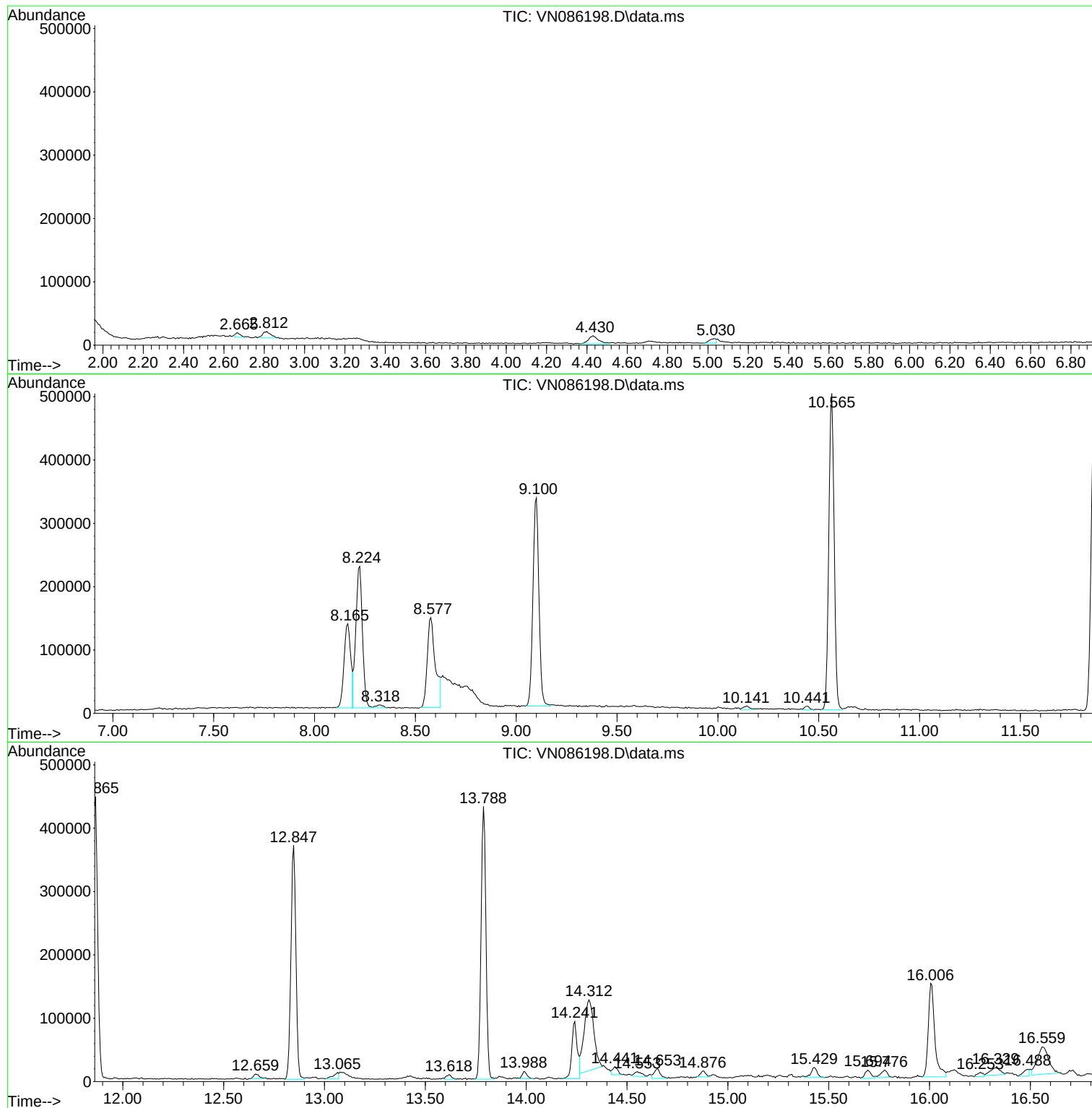
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Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

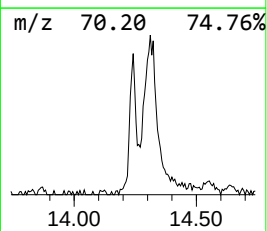
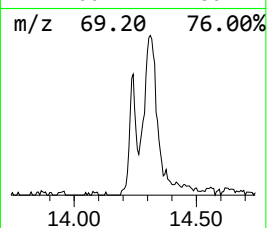
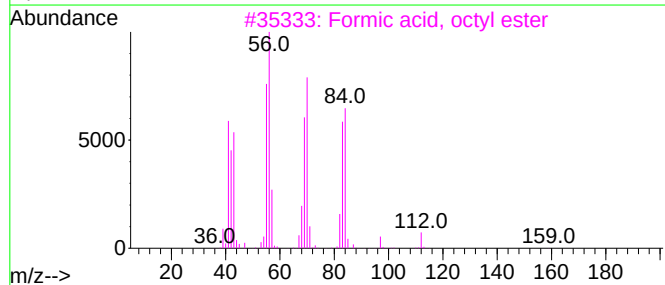
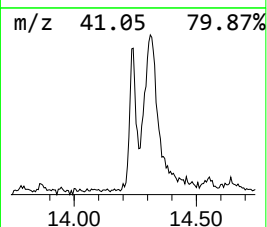
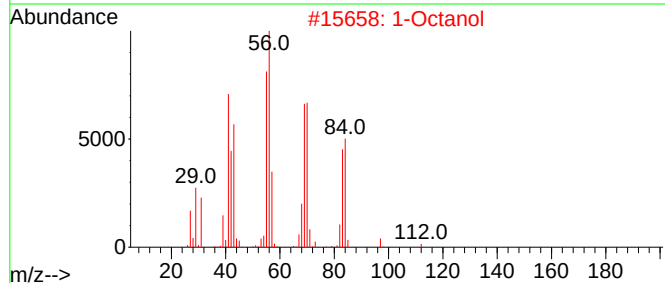
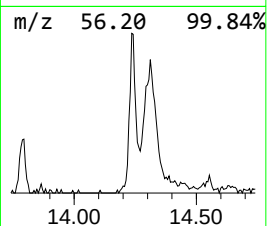
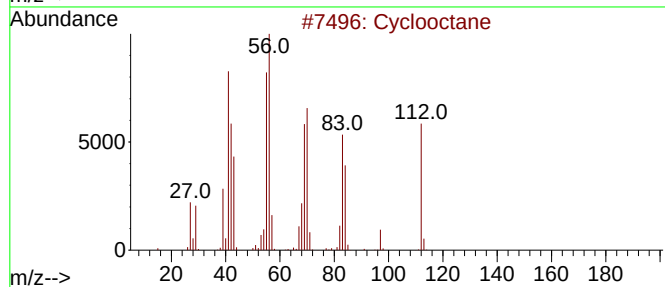
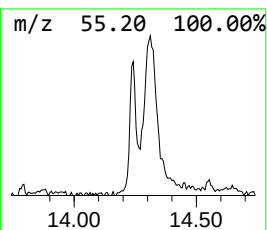
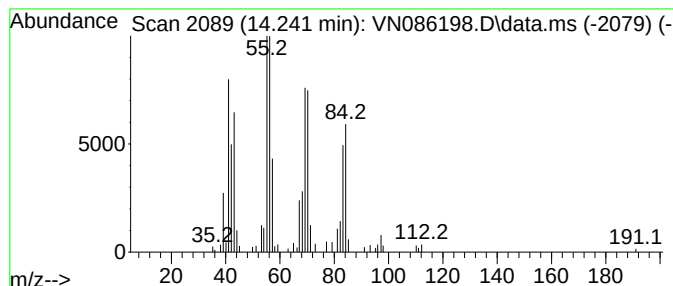
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Quant Title : SW846 8260

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

Peak Number 1 Cyclooctane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.241	11.97 ug/l	173042	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane	112	C8H16	000292-64-8	90
2			1-Octanol	130	C8H18O	000111-87-5	90
3			Formic acid, octyl ester	158	C9H18O2	000112-32-3	78
4			1-Nonanol	144	C9H20O	000143-08-8	72
5			Acetic acid, trichloro-, octyl e...	274	C10H17Cl3O2	016958-78-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

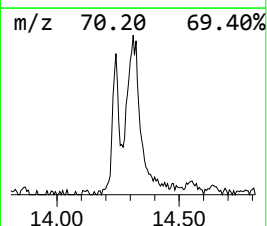
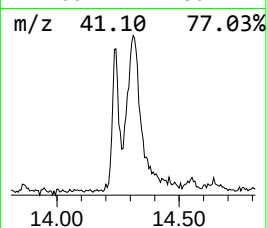
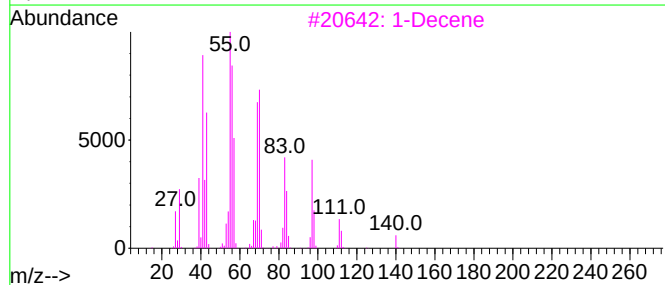
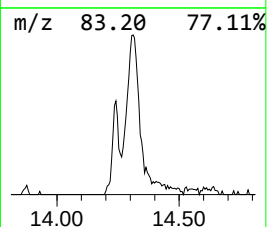
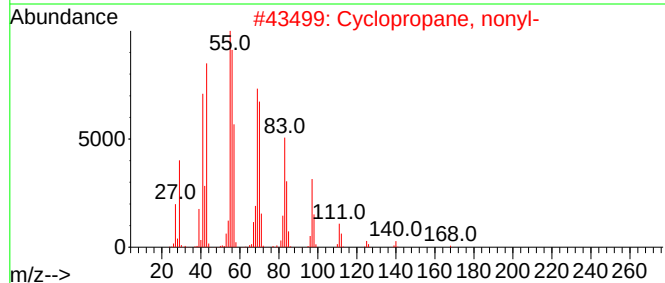
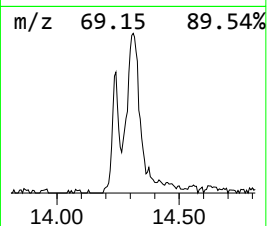
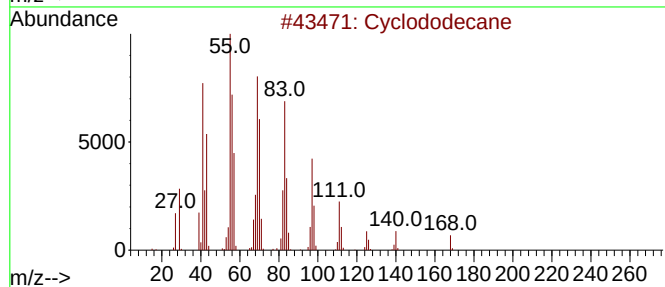
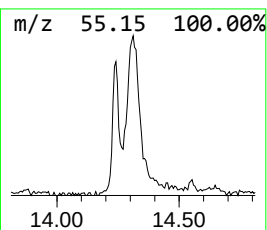
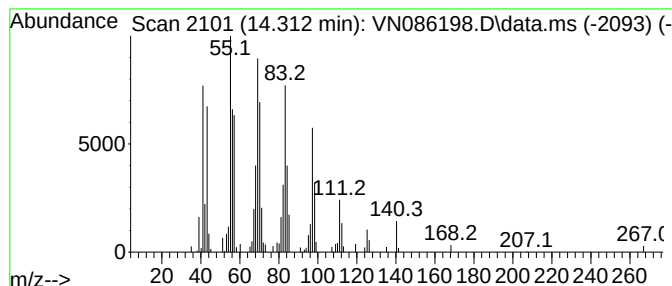
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

Peak Number 2 Cyclododecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.312	26.16 ug/l	378179	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclododecane	168	C12H24	000294-62-2	95
2			Cyclopropane, nonyl-	168	C12H24	074663-85-7	95
3			1-Decene	140	C10H20	000872-05-9	94
4			Cyclodecane	140	C10H20	000293-96-9	93
5			1-Tetradecanol	214	C14H30O	000112-72-1	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

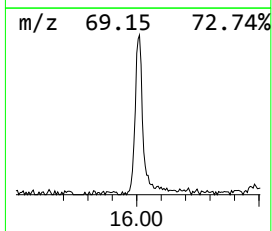
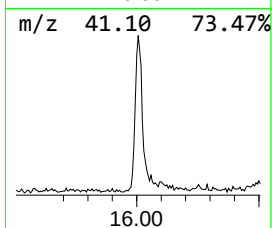
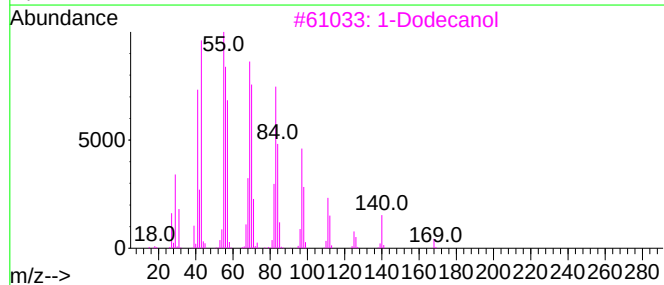
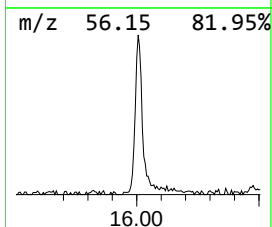
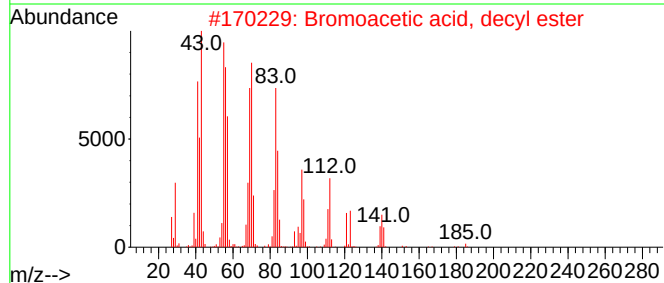
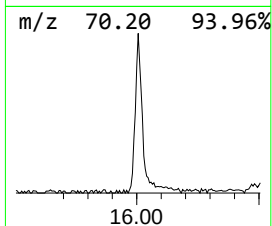
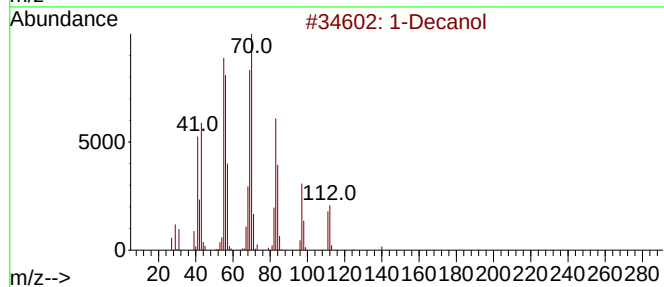
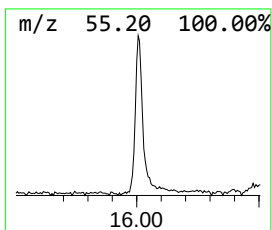
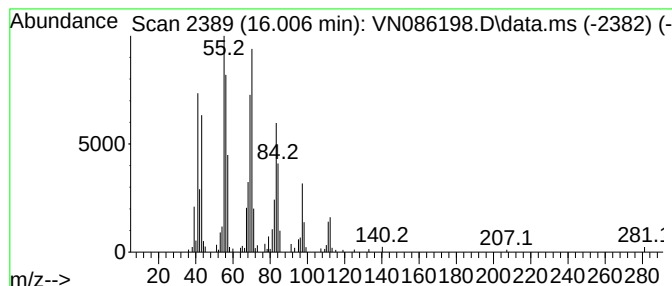
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Quant Title : SW846 8260

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

Peak Number 3 1-Decanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.006	22.85 ug/l	330404	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Decanol	158	C10H22O	000112-30-1	91
2			Bromoacetic acid, decyl ester	278	C12H23BrO2	005436-93-1	91
3			1-Dodecanol	186	C12H26O	000112-53-8	91
4			1-Undecanol	172	C11H24O	000112-42-5	90
5			Cyclopropane, 1-ethyl-2-heptyl-	168	C12H24	074663-86-8	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

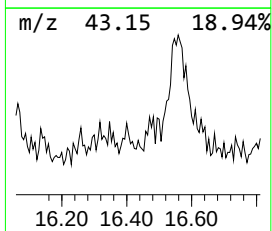
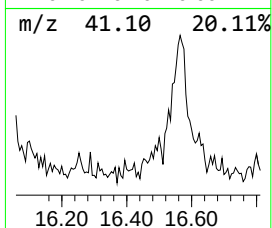
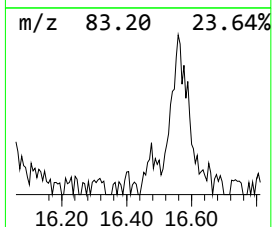
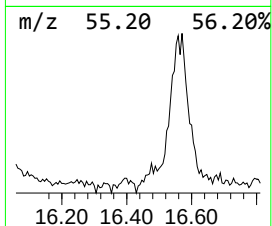
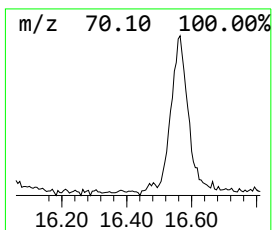
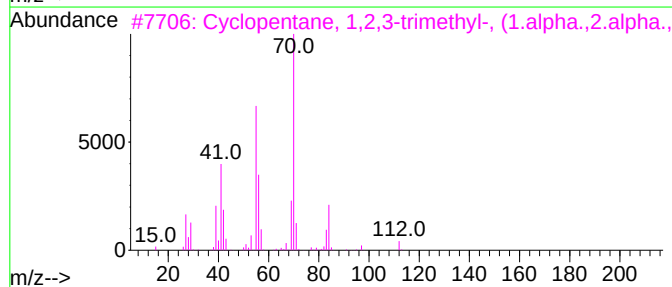
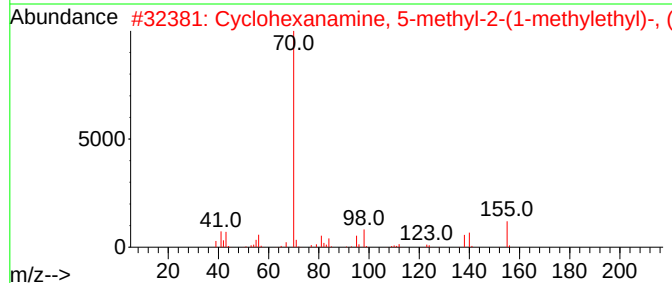
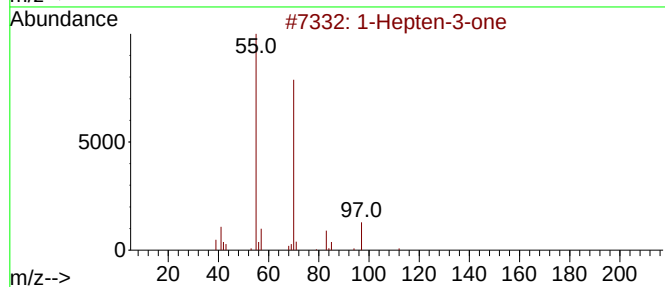
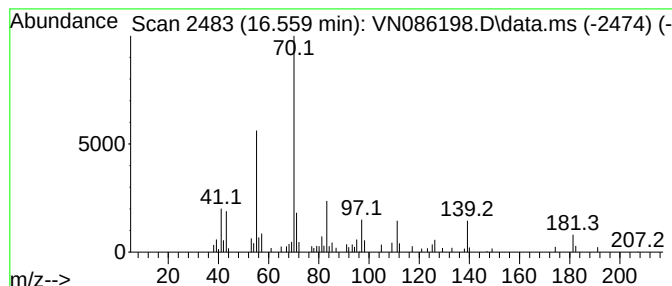
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

Peak Number 4 unknown16.558 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.558	11.52 ug/l	166597	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hepten-3-one	112	C7H12O	002918-13-0	50
2			Cyclohexanamine, 5-methyl-2-(1-m...	155	C10H21N	023399-21-5	38
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	38
4			4-(4-Methyl-piperazin-1-yl)-1,5,...	182	C8H14N4O	1000287-66-9	35
5			Tetrahydrogeranyl formate	186	C11H22O2	1000429-39-6	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.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
Cyclooctane	14.241	12.0	ug/l	173042	4	13.788	722882	50.0
Cyclododecane	14.312	26.2	ug/l	378179	4	13.788	722882	50.0
1-Decanol	16.006	22.9	ug/l	330404	4	13.788	722882	50.0
unknown16.558	16.558	11.5	ug/l	166597	4	13.788	722882	50.0



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

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

LAB FILE ID:	RRF100 = VN085996.D		RRF050 = VN085997.D		RRF020 = VN085998.D			
	RRF010 = VN085999.D		RRF005 = VN086000.D		RRF001 = VN086001.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD
Dichlorodifluoromethane	0.707	0.643	0.600	0.649	0.697	0.678	0.662	6
Chloromethane	0.575	0.557	0.514	0.544	0.612	0.683	0.581	10.3
Vinyl Chloride	0.622	0.592	0.541	0.581	0.634	0.592	0.594	5.5
Bromomethane	0.388	0.381	0.377	0.411	0.466		0.404	9.2
Chloroethane	0.355	0.330	0.334	0.378	0.403	0.446	0.375	11.9
Trichlorofluoromethane	1.059	0.977	0.959	1.035	1.107	1.267	1.067	10.5
1,1,2-Trichlorotrifluoroethane	0.574	0.515	0.512	0.553	0.590	0.659	0.567	9.7
1,1-Dichloroethene	0.567	0.516	0.481	0.545	0.550	0.415	0.512	11
Acetone	0.251	0.194	0.179	0.195	0.213	0.223	0.209	12.4
Carbon Disulfide	1.649	1.510	1.467	1.610	1.765	2.107	1.685	13.8
Methyl tert-butyl Ether	1.888	1.691	1.578	1.604	1.638	1.673	1.679	6.6
Methyl Acetate	0.488	0.469	0.434	0.504	0.542	0.667	0.518	15.8
Methylene Chloride	0.613	0.565	0.551	0.572	0.639	0.731	0.612	10.9
trans-1,2-Dichloroethene	0.603	0.534	0.521	0.546	0.564	0.591	0.560	5.8
1,1-Dichloroethane	1.023	0.949	0.908	0.968	1.032	1.130	1.001	7.8
Cyclohexane	0.890	0.799	0.765	0.854	0.957		0.853	8.9
2-Butanone	0.331	0.292	0.277	0.297	0.319	0.296	0.302	6.5
Carbon Tetrachloride	0.673	0.578	0.557	0.580	0.613	0.624	0.604	6.9
cis-1,2-Dichloroethene	0.688	0.633	0.591	0.617	0.656	0.632	0.636	5.3
Bromochloromethane	0.403	0.391	0.398	0.404	0.430	0.521	0.424	11.6
Chloroform	1.119	1.017	1.011	1.101	1.149	1.245	1.107	7.9
1,1,1-Trichloroethane	1.093	0.986	0.962	1.025	1.097	1.124	1.048	6.3
Methylcyclohexane	0.579	0.475	0.419	0.399	0.426	0.438	0.456	14.3
Benzene	1.610	1.393	1.348	1.386	1.453	1.466	1.443	6.5
1,2-Dichloroethane	0.538	0.475	0.462	0.491	0.528	0.521	0.503	6.1
Trichloroethene	0.394	0.346	0.335	0.353	0.380	0.435	0.374	10
1,2-Dichloropropane	0.366	0.321	0.319	0.321	0.333	0.309	0.328	6.2
Bromodichloromethane	0.600	0.516	0.506	0.515	0.561	0.537	0.539	6.6
4-Methyl-2-Pentanone	0.434	0.385	0.368	0.380	0.369	0.287	0.371	12.9
Toluene	1.074	0.915	0.862	0.878	0.856	0.727	0.885	12.7

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690
 Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN085996.D		RRF050 = VN085997.D		RRF020 = VN085998.D		
		RRF010 = VN085999.D		RRF005 = VN086000.D		RRF001 = VN086001.D		
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD
t-1,3-Dichloropropene	0.646	0.539	0.504	0.506	0.501	0.446	0.524	12.8
cis-1,3-Dichloropropene	0.659	0.568	0.533	0.555	0.537	0.464	0.553	11.5
1,1,2-Trichloroethane	0.382	0.327	0.316	0.330	0.338	0.335	0.338	6.7
2-Hexanone	0.334	0.284	0.269	0.270	0.261	0.202	0.270	15.7
Dibromochloromethane	0.503	0.432	0.408	0.422	0.436	0.416	0.436	7.8
1,2-Dibromoethane	0.400	0.351	0.326	0.343	0.337	0.325	0.347	8
Tetrachloroethene	0.407	0.371	0.370	0.390	0.421	0.433	0.399	6.6
Chlorobenzene	1.229	1.085	1.070	1.116	1.156	1.208	1.144	5.7
Ethyl Benzene	2.209	1.918	1.744	1.769	1.755	1.586	1.830	11.7
m/p-Xylenes	0.867	0.756	0.700	0.690	0.660	0.643	0.719	11.4
o-Xylene	0.831	0.713	0.655	0.645	0.585	0.532	0.660	15.8
Styrene	1.431	1.219	1.115	1.044	1.032	0.924	1.128	15.8
Bromoform	0.392	0.345	0.329	0.342	0.355	0.371	0.356	6.4
Isopropylbenzene	3.863	3.599	3.251	3.470	3.264	3.039	3.414	8.6
1,1,2,2-Tetrachloroethane	1.076	1.052	1.041	1.191	1.261	1.311	1.155	10
1,3-Dichlorobenzene	1.842	1.685	1.614	1.749	1.718	1.688	1.716	4.5
1,4-Dichlorobenzene	1.825	1.667	1.621	1.756	1.907	2.043	1.803	8.7
1,2-Dichlorobenzene	1.716	1.598	1.522	1.673	1.724	2.004	1.706	9.7
1,2-Dibromo-3-Chloropropane	0.240	0.221	0.216	0.266	0.250	0.192	0.231	11.5
1,2,4-Trichlorobenzene	0.952	0.850	0.779	0.815	0.851	0.899	0.858	7.1
1,2,3-Trichlorobenzene	0.900	0.829	0.772	0.794	0.791	0.798	0.814	5.7
1,2-Dichloroethane-d4	0.632	0.665	0.669	0.721	0.737		0.685	6.3
Dibromofluoromethane	0.333	0.334	0.347	0.362	0.368		0.349	4.5
Toluene-d8	1.309	1.266	1.253	1.289	1.217		1.267	2.8
4-Bromofluorobenzene	0.514	0.466	0.447	0.440	0.391		0.452	9.8

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N031825W.M
 Title : SW846 8260
 Last Update : Wed Mar 19 03:20:56 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN086001.D 5 =VN086000.D 10 =VN085999.D 20 =VN085998.D 50 =VN085997.D 100 =VN085996.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.678	0.697	0.649	0.600	0.643	0.707	0.662	6.01
3) P	Chloromethane	0.683	0.612	0.544	0.514	0.557	0.575	0.581	10.29
4) C	Vinyl Chloride	0.592	0.634	0.581	0.541	0.592	0.622	0.594	5.53#
5) T	Bromomethane		0.466	0.411	0.377	0.381	0.388	0.404	9.16
6) T	Chloroethane	0.446	0.403	0.378	0.334	0.330	0.355	0.375	11.93
7) T	Trichlorofluor...	1.267	1.107	1.035	0.959	0.977	1.059	1.067	10.48
8) T	Diethyl Ether	0.336	0.309	0.322	0.315	0.324	0.354	0.327	4.93
9) T	1,1,2-Trichlor...	0.659	0.590	0.553	0.512	0.515	0.574	0.567	9.66
10) T	Methyl Iodide		0.766	0.710	0.681	0.728	0.811	0.739	6.80
11) T	Tert butyl alc...		0.108	0.097	0.091	0.094	0.094	0.097	6.70
12) CM	1,1-Dichloroet...	0.415	0.550	0.545	0.481	0.516	0.567	0.512	11.02#
13) T	Acrolein		0.115	0.099	0.104	0.100	0.099	0.103	6.75
14) T	Allyl chloride	0.664	0.684	0.615	0.572	0.617	0.683	0.639	7.03
15) T	Acrylonitrile	0.252	0.271	0.255	0.245	0.248	0.266	0.256	4.01
16) T	Acetone	0.223	0.213	0.195	0.179	0.194	0.251	0.209	12.36
17) T	Carbon Disulfide	2.107	1.765	1.610	1.467	1.510	1.649	1.685	13.78
18) T	Methyl Acetate	0.667	0.542	0.504	0.434	0.469	0.488	0.518	15.79
19) T	Methyl tert-bu...	1.673	1.638	1.604	1.578	1.691	1.888	1.679	6.61
20) T	Methylene Chlo...	0.731	0.639	0.572	0.551	0.565	0.613	0.612	10.93
21) T	trans-1,2-Dich...	0.591	0.564	0.546	0.521	0.534	0.603	0.560	5.81
22) T	Diisopropyl ether	1.166	1.387	1.394	1.317	1.378	1.528	1.362	8.68
23) T	Vinyl Acetate	0.866	1.023	1.017	1.024	1.067	1.196	1.032	10.24
24) P	1,1-Dichloroet...	1.130	1.032	0.968	0.908	0.949	1.023	1.001	7.79
25) T	2-Butanone	0.296	0.319	0.297	0.277	0.292	0.331	0.302	6.50
26) T	2,2-Dichloropr...	1.004	1.017	0.925	0.880	0.926	1.032	0.964	6.41
27) T	cis-1,2-Dichlo...	0.632	0.656	0.617	0.591	0.633	0.688	0.636	5.25
28) T	Bromochloromet...	0.521	0.430	0.404	0.398	0.391	0.403	0.424	11.60
29) T	Tetrahydrofuran	0.152	0.197	0.189	0.183	0.194	0.204	0.186	9.74
30) C	Chloroform	1.245	1.149	1.101	1.011	1.017	1.119	1.107	7.90#
31) T	Cyclohexane		0.957	0.854	0.765	0.799	0.890	0.853	8.87
32) T	1,1,1-Trichlor...	1.124	1.097	1.025	0.962	0.986	1.093	1.048	6.32
33) S	1,2-Dichloroet...		0.737	0.721	0.669	0.665	0.632	0.685	6.30
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.368	0.362	0.347	0.334	0.333	0.349	4.54
36) T	1,1-Dichloropr...	0.457	0.454	0.443	0.421	0.454	0.528	0.460	7.89
37) T	Ethyl Acetate	0.388	0.412	0.393	0.366	0.367	0.400	0.388	4.65
38) T	Carbon Tetrach...	0.624	0.613	0.580	0.557	0.578	0.673	0.604	6.90
39) T	Methylcyclohexane	0.438	0.426	0.399	0.419	0.475	0.579	0.456	14.34
40) TM	Benzene	1.466	1.453	1.386	1.348	1.393	1.610	1.443	6.46
41) T	Methacrylonitrile	0.132	0.188	0.191	0.187	0.193	0.220	0.185	15.66
42) TM	1,2-Dichloroet...	0.521	0.528	0.491	0.462	0.475	0.538	0.503	6.12
43) T	Isopropyl Acetate	1.123	0.840	0.886	0.793	0.688	0.711	0.840	18.77
44) TM	Trichloroethene	0.435	0.380	0.353	0.335	0.346	0.394	0.374	9.98
45) C	1,2-Dichloropr...	0.309	0.333	0.321	0.319	0.321	0.366	0.328	6.16#
46) T	Dibromomethane	0.274	0.268	0.251	0.234	0.243	0.279	0.258	7.09
47) T	Bromodichlorom...	0.537	0.561	0.515	0.506	0.516	0.600	0.539	6.58
48) T	Methyl methacr...	0.255	0.257	0.265	0.268	0.289	0.328	0.277	9.99
49) T	1,4-Dioxane	0.005	0.007	0.007	0.006	0.007	0.007	0.007	16.08
50) S	Toluene-d8		1.217	1.289	1.253	1.266	1.309	1.267	2.78
51) T	4-Methyl-2-Pen...	0.287	0.369	0.380	0.368	0.385	0.434	0.371	12.88
52) CM	Toluene	0.727	0.856	0.878	0.862	0.915	1.074	0.885	12.66#
53) T	t-1,3-Dichloro...	0.446	0.501	0.506	0.504	0.539	0.646	0.524	12.80
54) T	cis-1,3-Dichlo...	0.464	0.537	0.555	0.533	0.568	0.659	0.553	11.46
55) T	1,1,2-Trichlor...	0.335	0.338	0.330	0.316	0.327	0.382	0.338	6.72
56) T	Ethyl methacry...	0.298	0.413	0.445	0.463	0.526	0.633	0.463	24.21

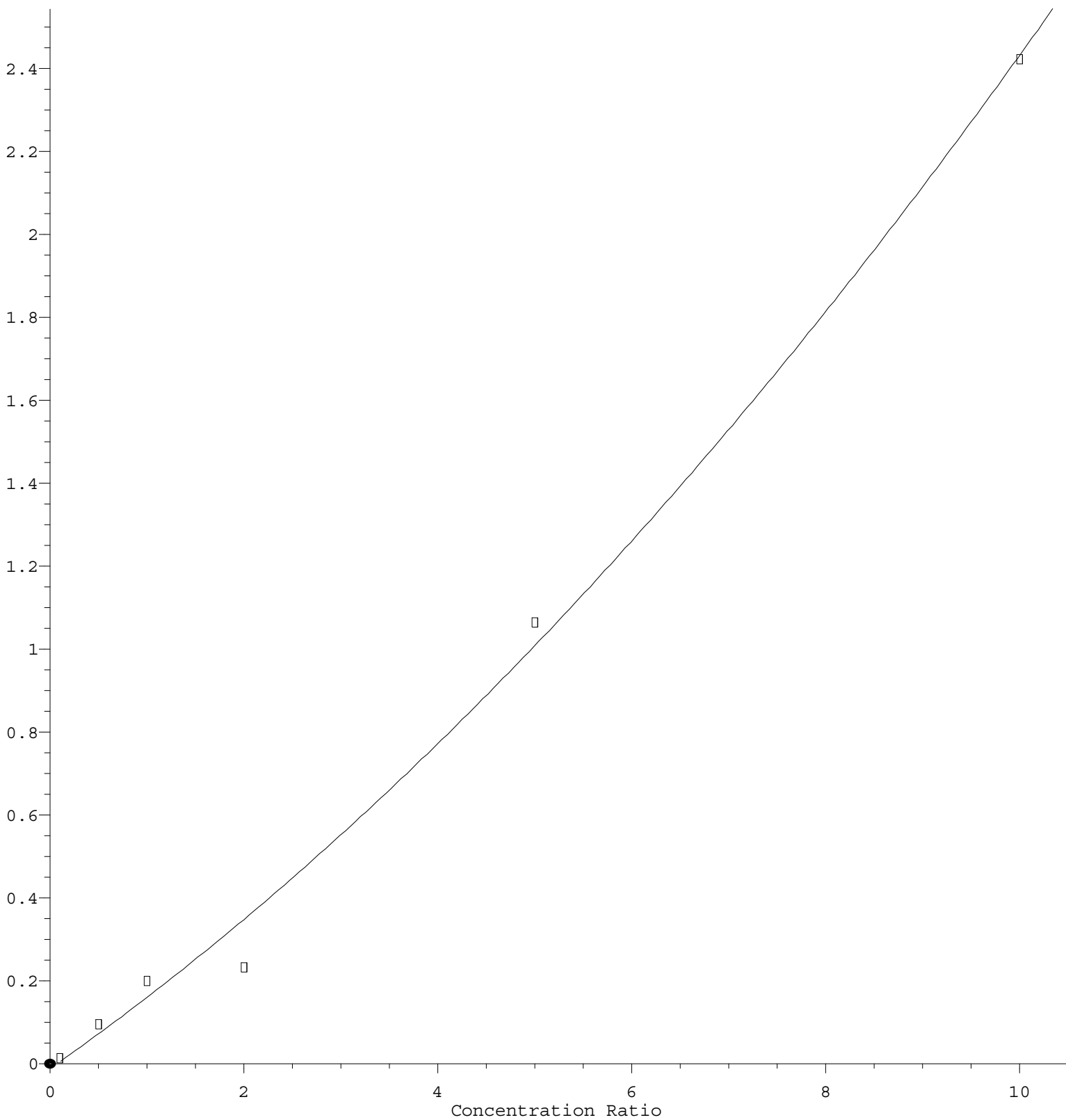
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N031825W.M

57)	T	1,3-Dichloropr...	0.551	0.558	0.571	0.539	0.567	0.657	0.574	7.39
58)	T	2-Chloroethyl ...	0.134	0.190	0.200	0.116	0.213	0.242	0.183	26.31
59)	T	2-Hexanone	0.202	0.261	0.270	0.269	0.284	0.334	0.270	15.74
60)	T	Dibromochlorom...	0.416	0.436	0.422	0.408	0.432	0.503	0.436	7.83
61)	T	1,2-Dibromoethane	0.325	0.337	0.343	0.326	0.351	0.400	0.347	8.01
62)	S	4-Bromofluorob...	0.391	0.440	0.447	0.466	0.514	0.452		9.82
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.433	0.421	0.390	0.370	0.371	0.407	0.399	6.57
65)	PM	Chlorobenzene	1.208	1.156	1.116	1.070	1.085	1.229	1.144	5.69
66)	T	1,1,1,2-Tetrac...	0.445	0.445	0.414	0.388	0.407	0.452	0.425	6.05
67)	C	Ethyl Benzene	1.586	1.755	1.769	1.744	1.918	2.209	1.830	11.67#
68)	T	m/p-Xylenes	0.643	0.660	0.690	0.700	0.756	0.867	0.719	11.40
69)	T	o-Xylene	0.532	0.585	0.645	0.655	0.713	0.831	0.660	15.83
70)	T	Styrene	0.924	1.032	1.044	1.115	1.219	1.431	1.128	15.79
71)	P	Bromoform	0.371	0.355	0.342	0.329	0.345	0.392	0.356	6.39
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.039	3.264	3.470	3.251	3.599	3.863	3.414	8.58
74)	T	N-amyl acetate	0.984	1.098	1.153	1.121	1.220	1.278	1.142	8.93
75)	P	1,1,2,2-Tetrac...	1.311	1.261	1.191	1.041	1.052	1.076	1.155	10.01
76)	T	1,2,3-Trichlor...	0.925	1.264	1.153	1.148	1.157	1.070	1.119	10.14
77)	T	Bromobenzene	1.000	0.994	0.966	0.878	0.910	0.964	0.952	5.10
78)	T	n-propylbenzene	3.148	3.686	3.862	3.774	4.183	4.546	3.866	12.24
79)	T	2-Chlorotoluene	2.335	2.574	2.587	2.473	2.620	2.820	2.568	6.29
80)	T	1,3,5-Trimethy...	2.392	2.639	2.903	2.845	3.118	3.399	2.883	12.25
81)	T	trans-1,4-Dich...	0.397	0.401	0.420	0.414	0.486	0.423		8.50
82)	T	4-Chlorotoluene	2.443	2.567	2.661	2.558	2.696	2.921	2.641	6.19
83)	T	tert-Butylbenzene	2.380	2.278	2.517	2.289	2.547	2.782	2.466	7.76
84)	T	1,2,4-Trimethy...	2.330	2.684	2.944	2.886	3.130	3.472	2.908	13.35
85)	T	sec-Butylbenzene	2.423	3.008	3.247	3.174	3.514	3.932	3.216	15.71
86)	T	p-Isopropyltol...	2.088	2.410	2.688	2.670	3.037	3.443	2.723	17.41
87)	T	1,3-Dichlorobe...	1.688	1.718	1.749	1.614	1.685	1.842	1.716	4.46
88)	T	1,4-Dichlorobe...	2.043	1.907	1.756	1.621	1.667	1.825	1.803	8.71
89)	T	n-Butylbenzene	1.876	1.981	2.079	2.067	2.424	2.876	2.217	16.76
90)	T	Hexachloroethane	0.766	0.648	0.595	0.542	0.582	0.637	0.628	12.37
91)	T	1,2-Dichlorobe...	2.004	1.724	1.673	1.522	1.598	1.716	1.706	9.66
92)	T	1,2-Dibromo-3-...	0.192	0.250	0.266	0.216	0.221	0.240	0.231	11.50
93)	T	1,2,4-Trichlor...	0.899	0.851	0.815	0.779	0.850	0.952	0.858	7.14
94)	T	Hexachlorobuta...	0.579	0.522	0.500	0.454	0.442	0.488	0.498	9.98
95)	T	Naphthalene	2.499	2.211	2.423	2.306	2.606	2.860	2.484	9.30
96)	T	1,2,3-Trichlor...	0.798	0.791	0.794	0.772	0.829	0.900	0.814	5.65

(#) = Out of Range

2-Chloroethyl Vinyl ether

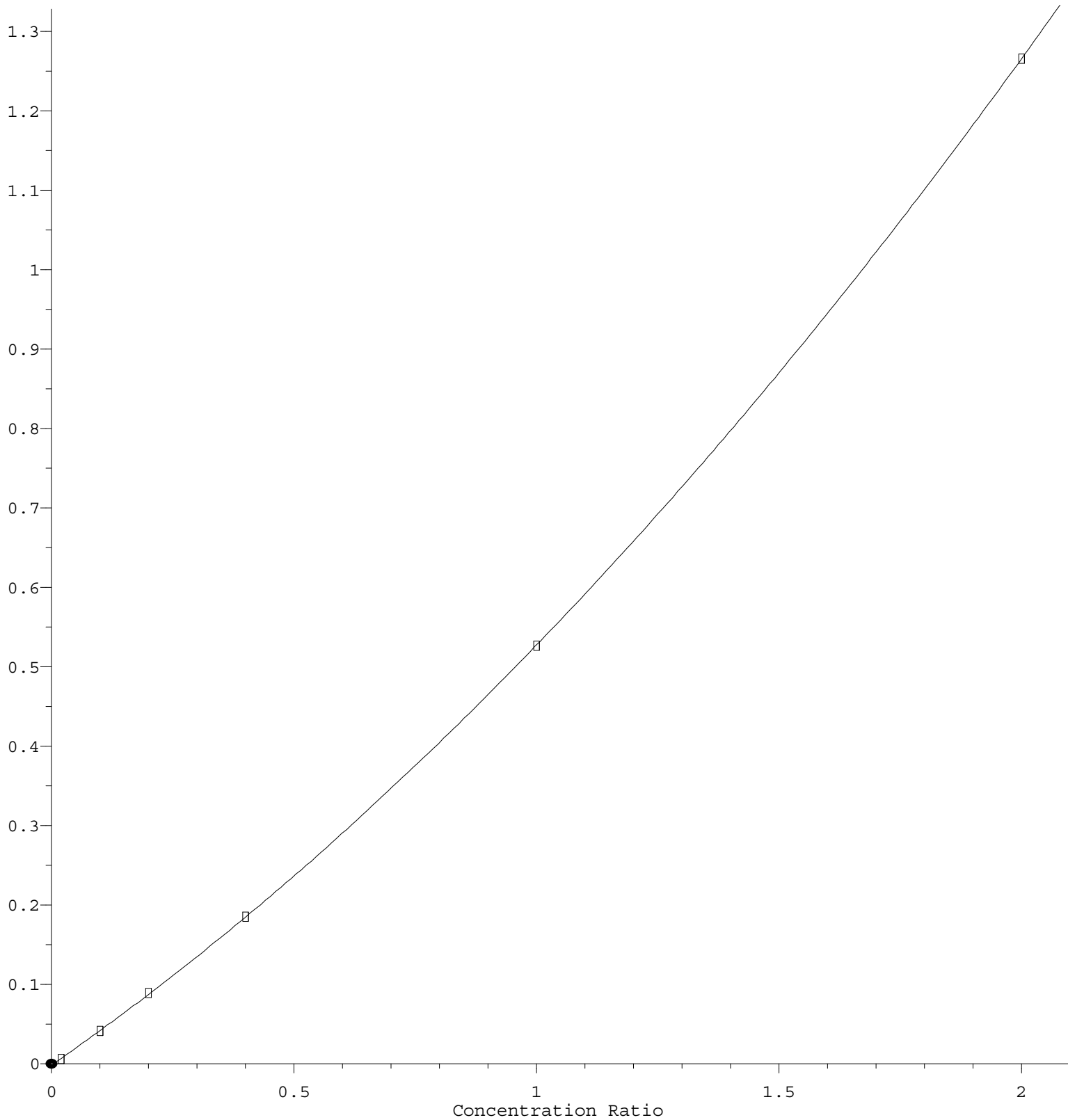
Response Ratio



$R = 8.062e-003 A^2 + 1.637e-001 A - 1.134e-002$
 Coef of Det (r^2) = 0.995747 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N031825W.M
 Calibration Table Last Updated: Wed Mar 19 03:20:56 2025

Ethyl methacrylate

Response Ratio



$R = 1.048e-001 A^2 + 4.239e-001 A - 1.587e-003$
Coef of Det (r^2) = 0.999996 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N031825W.M
Calibration Table Last Updated: Wed Mar 19 03:20:56 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085996.D
 Acq On : 18 Mar 2025 11:44
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	182974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	280238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	231291	92.312	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 184.620%#			
35) Dibromofluoromethane	8.165	113	186688	95.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 190.880%#			
50) Toluene-d8	10.565	98	733621	103.341	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 206.680%#			
62) 4-Bromofluorobenzene	12.847	95	288124	113.805	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 227.620%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	258760	106.744	ug/l	100
3) Chloromethane	2.359	50	210559	99.080	ug/l	99
4) Vinyl Chloride	2.506	62	227757	104.817	ug/l	99
5) Bromomethane	2.930	94	141847	95.836	ug/l	95
6) Chloroethane	3.106	64	130043	94.868	ug/l	90
7) Trichlorofluoromethane	3.489	101	387652	99.243	ug/l	99
8) Diethyl Ether	3.953	74	129491	108.290	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	209946	101.130	ug/l	99
10) Methyl Iodide	4.583	142	296609	109.651	ug/l	95
11) Tert butyl alcohol	5.518	59	172466	486.176	ug/l	99
12) 1,1-Dichloroethene	4.336	96	207400	110.639	ug/l	96
13) Acrolein	4.171	56	180315	476.573	ug/l	98
14) Allyl chloride	5.018	41	249826	106.826	ug/l	98
15) Acrylonitrile	5.712	53	486527	519.314	ug/l	99
16) Acetone	4.418	43	459532	600.330	ug/l	100
17) Carbon Disulfide	4.706	76	603612	97.911	ug/l	99
18) Methyl Acetate	5.018	43	178753	94.384	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	690939	112.481	ug/l	99
20) Methylene Chloride	5.265	84	224327	100.177	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	220657	107.710	ug/l	99
22) Diisopropyl ether	6.665	45	559282	112.225	ug/l	99
23) Vinyl Acetate	6.600	43	2187667	579.034	ug/l	100
24) 1,1-Dichloroethane	6.559	63	374239	102.121	ug/l	99
25) 2-Butanone	7.477	43	605615	548.306	ug/l	99
26) 2,2-Dichloropropane	7.483	77	377635	107.034	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	251929	108.218	ug/l	98
28) Bromochloromethane	7.812	49	147305	94.874	ug/l	98
29) Tetrahydrofuran	7.830	42	372372	546.087	ug/l	99
30) Chloroform	7.965	83	409546	101.106	ug/l	99
31) Cyclohexane	8.253	56	325757	104.345	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	400089	104.344	ug/l	98
36) 1,1-Dichloropropene	8.365	75	296177	114.993	ug/l	100
37) Ethyl Acetate	7.559	43	224022	103.099	ug/l	98
38) Carbon Tetrachloride	8.359	117	377239	111.395	ug/l	98
39) Methylcyclohexane	9.600	83	324420	126.957	ug/l	97
40) Benzene	8.600	78	902443	111.613	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085996.D
 Acq On : 18 Mar 2025 11:44
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	123440	118.971	ug/l	95
42) 1,2-Dichloroethane	8.665	62	301678	107.080	ug/l	99
43) Isopropyl Acetate	8.683	43	398367	84.427	ug/l	99
44) Trichloroethene	9.347	130	220997	105.460	ug/l	92
45) 1,2-Dichloropropane	9.618	63	205313	111.644	ug/l	97
46) Dibromomethane	9.706	93	156183	107.992	ug/l	100
47) Bromodichloromethane	9.882	83	336242	111.244	ug/l	99
48) Methyl methacrylate	9.677	41	183832	118.314	ug/l	98
49) 1,4-Dioxane	9.688	88	83630	2276.865	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	1216534	585.839	ug/l	100
52) Toluene	10.629	92	601872	121.286	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	362129	123.365	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	369494	119.304	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	213909	112.938	ug/l	96
56) Ethyl methacrylate	10.871	69	354676	100.009	ug/l	99
57) 1,3-Dichloropropane	11.159	76	368384	114.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	678829	498.510	ug/l	99
59) 2-Hexanone	11.194	43	935328	618.290	ug/l	99
60) Dibromochloromethane	11.359	129	281651	115.239	ug/l	99
61) 1,2-Dibromoethane	11.465	107	224197	115.301	ug/l	98
64) Tetrachloroethene	11.100	164	217951	102.122	ug/l	98
65) Chlorobenzene	11.888	112	657655	107.422	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	241702	106.205	ug/l	98
67) Ethyl Benzene	11.959	91	1182051	120.702	ug/l	99
68) m/p-Xylenes	12.071	106	927553	240.977	ug/l	99
69) o-Xylene	12.394	106	444866	125.926	ug/l	99
70) Styrene	12.412	104	765959	126.938	ug/l	100
71) Bromoform	12.576	173	209637	110.191	ug/l #	99
73) Isopropylbenzene	12.694	105	1139716	113.143	ug/l	100
74) N-amyl acetate	12.494	43	377161	111.912	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	317335	93.117	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	315551m	93.831	ug/l	
77) Bromobenzene	12.976	156	284449	101.270	ug/l	100
78) n-propylbenzene	13.035	91	1341141	117.577	ug/l	100
79) 2-Chlorotoluene	13.123	91	832060	109.823	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	1002727	117.902	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	143254	114.684	ug/l	97
82) 4-Chlorotoluene	13.218	91	861737	110.605	ug/l	99
83) tert-Butylbenzene	13.435	119	820651	112.824	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1024294	119.410	ug/l	100
85) sec-Butylbenzene	13.612	105	1160166	122.266	ug/l	100
86) p-Isopropyltoluene	13.729	119	1015859	126.470	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	543572	107.364	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	538505	101.234	ug/l	99
89) n-Butylbenzene	14.053	91	848367	129.699	ug/l	100
90) Hexachloroethane	14.329	117	187906	101.383	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	506350	100.605	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	70713	103.948	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	280971	111.025	ug/l	99
94) Hexachlorobutadiene	15.500	225	144077	98.130	ug/l	99
95) Naphthalene	15.641	128	843691	115.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	265586	110.600	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085996.D
 Acq On : 18 Mar 2025 11:44
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_N

Client SampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By : John Carlone 03/19/2025

Supervised By : Mahesh Dadoda 03/19/2025

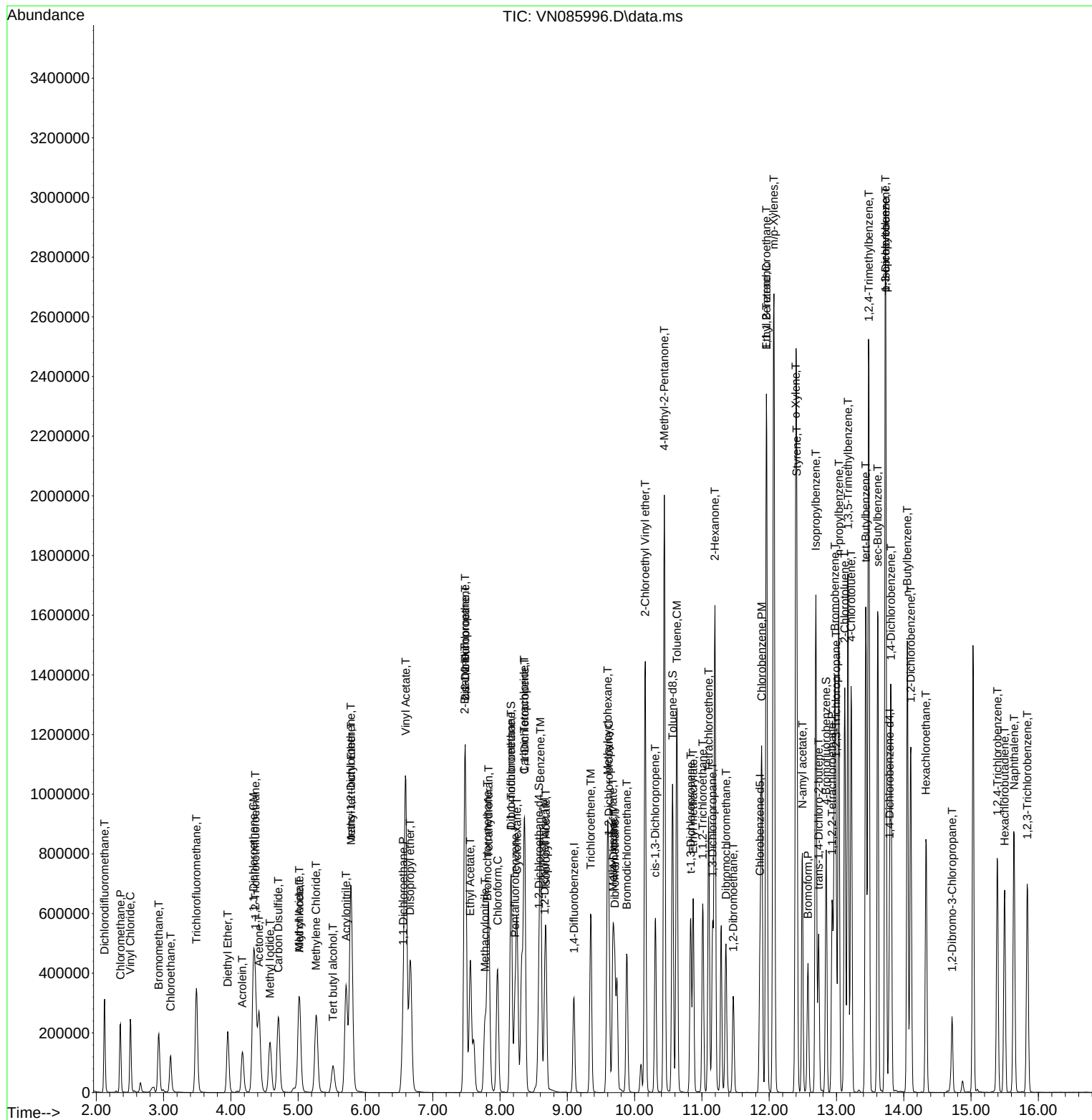
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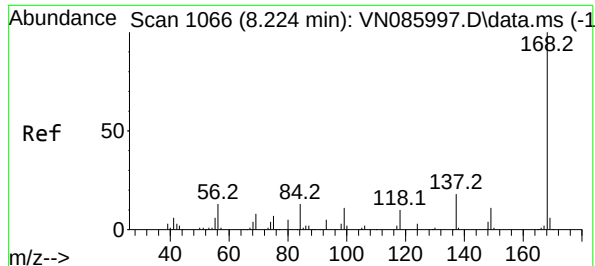
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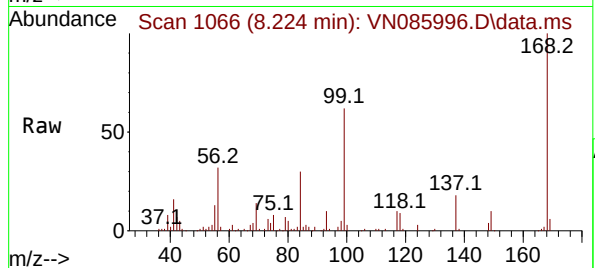
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

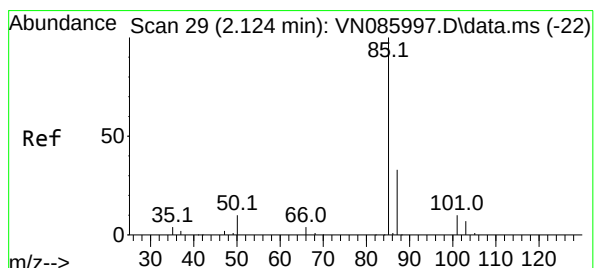
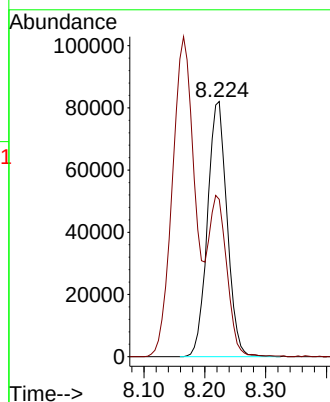
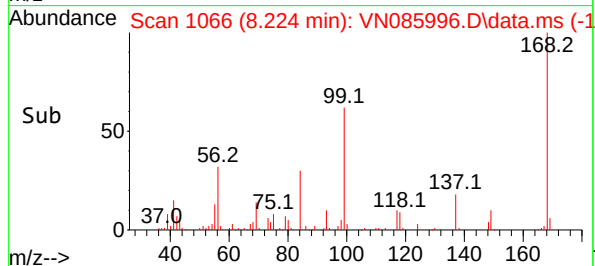
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:168 Resp: 182974
Ion Ratio Lower Upper
168 100
99 61.4 49.4 74.2

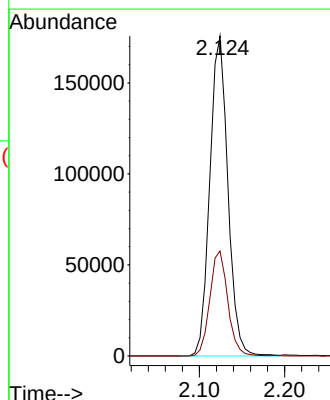
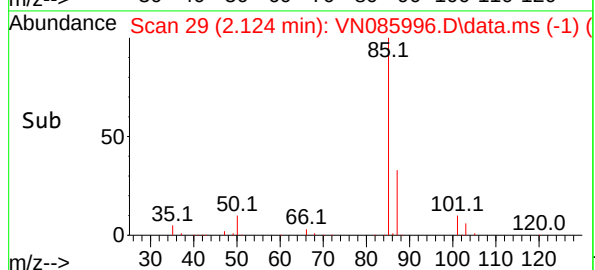
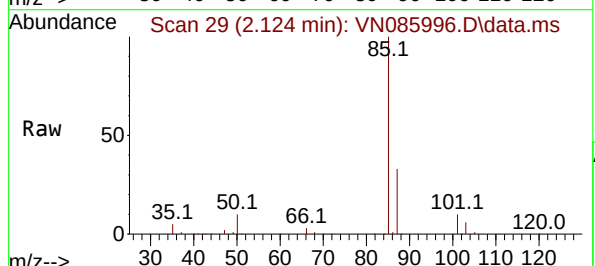
Manual Integrations
APPROVED

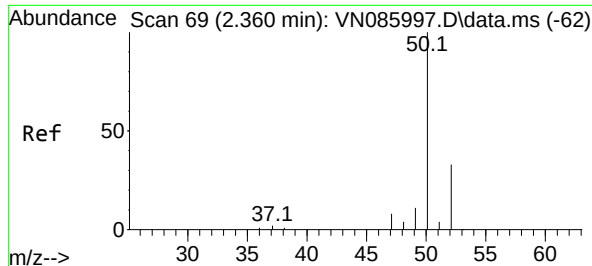
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 106.744 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 85 Resp: 258760
Ion Ratio Lower Upper
85 100
87 32.8 16.5 49.5





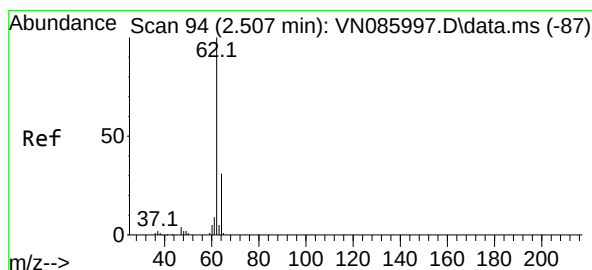
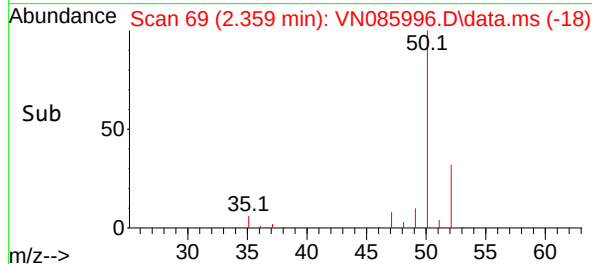
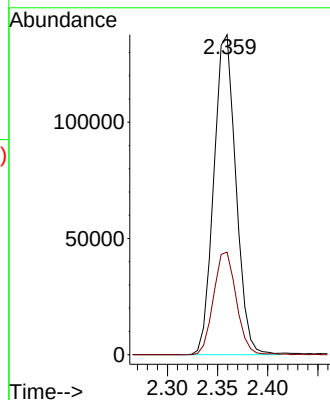
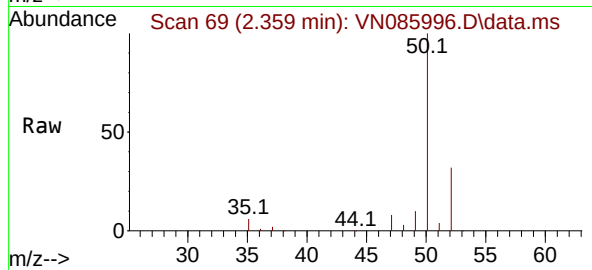
#3
Chloromethane
Concen: 99.080 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 210559
Ion Ratio Lower Upper
50 100
52 32.0 26.0 39.0

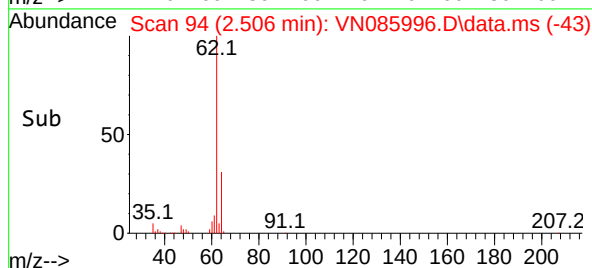
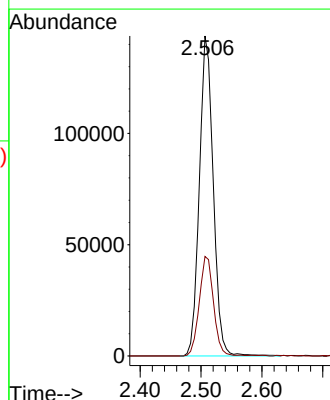
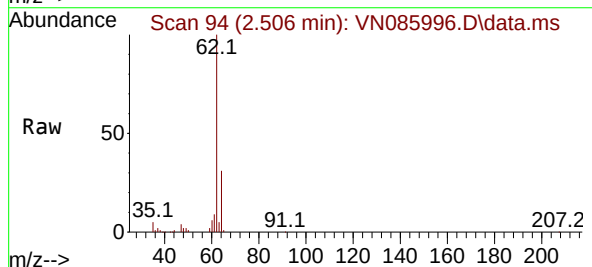
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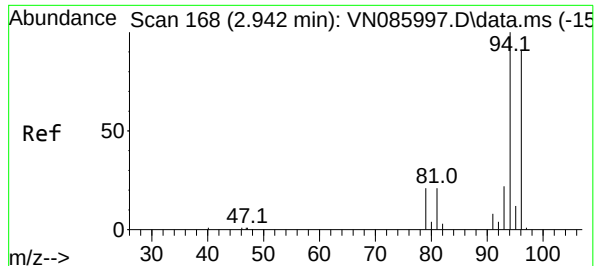
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 104.817 ug/l
RT: 2.506 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

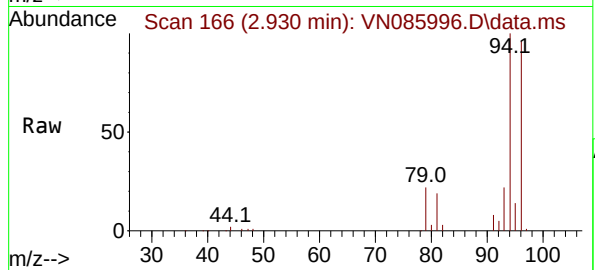
Tgt Ion: 62 Resp: 227757
Ion Ratio Lower Upper
62 100
64 31.1 25.2 37.8





#5
Bromomethane
Concen: 95.836 ug/l
RT: 2.930 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

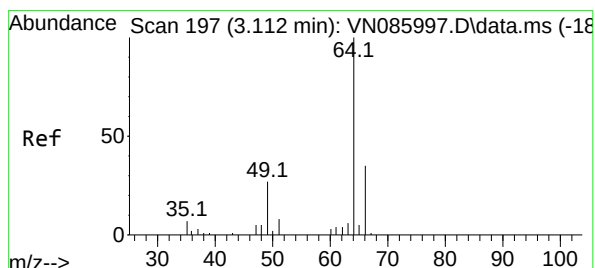
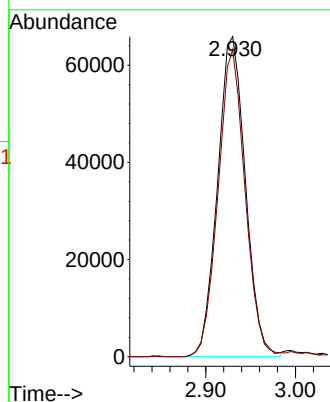
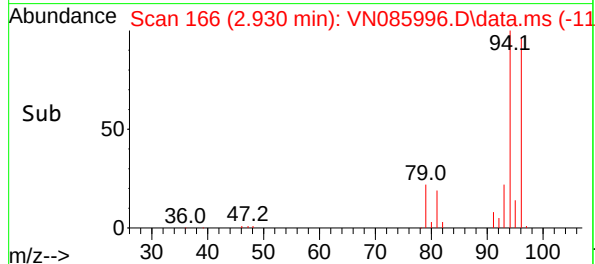
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 94 Resp: 14184
Ion Ratio Lower Upper
94 100
96 95.9 72.8 109.2

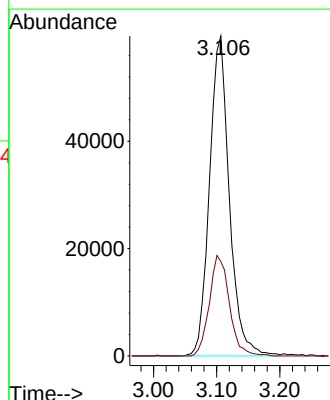
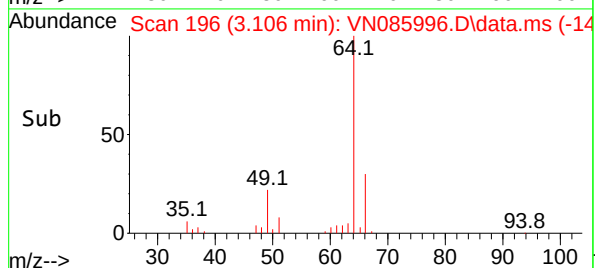
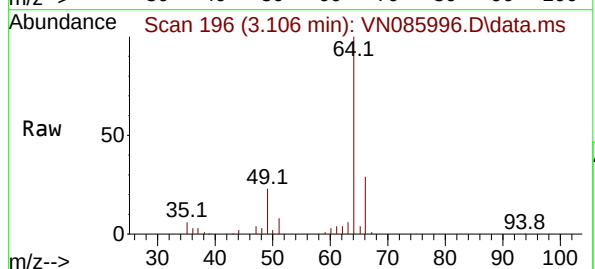
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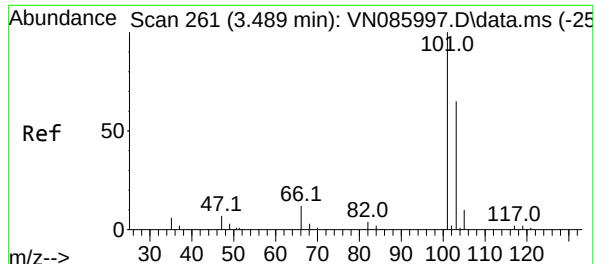
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#6
Chloroethane
Concen: 94.868 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 64 Resp: 130043
Ion Ratio Lower Upper
64 100
66 29.5 28.3 42.5





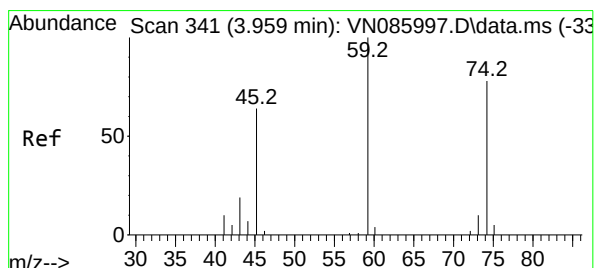
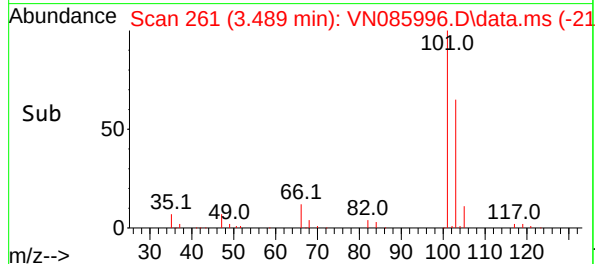
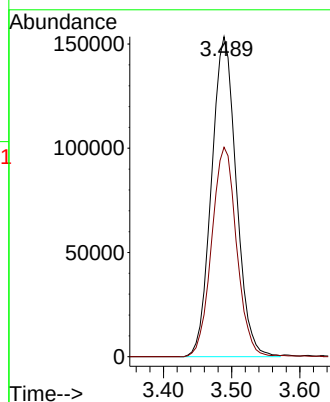
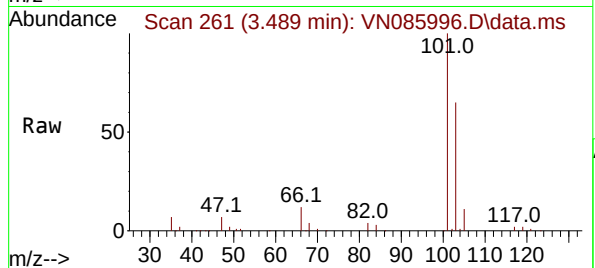
#7
Trichlorofluoromethane
Concen: 99.243 ug/l
RT: 3.489 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 387652
Ion Ratio Lower Upper
101 100
103 65.5 51.7 77.5

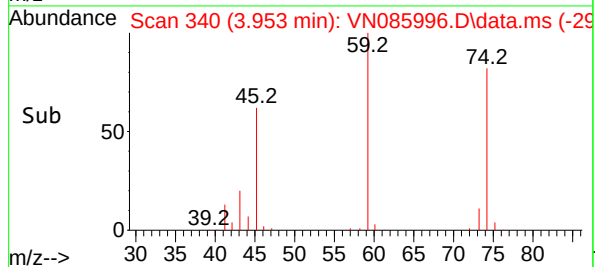
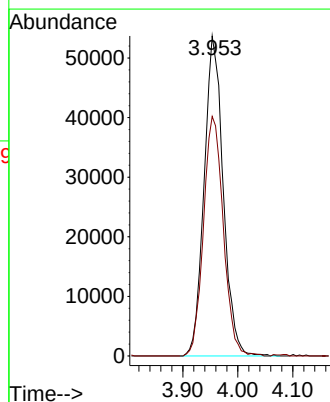
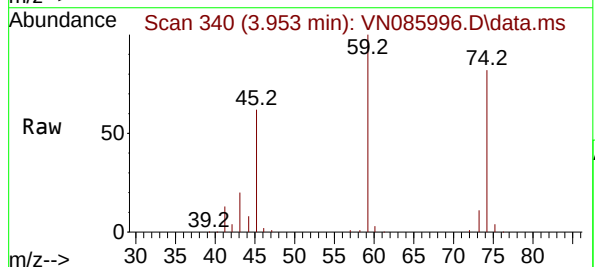
Manual Integrations
APPROVED

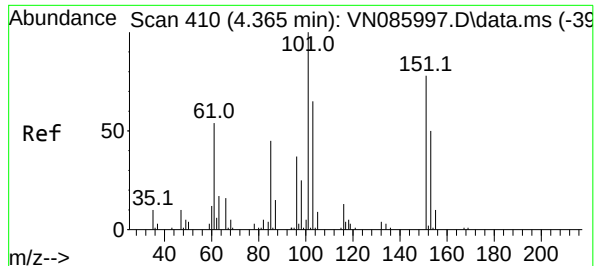
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 108.290 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 74 Resp: 129491
Ion Ratio Lower Upper
74 100
45 77.8 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.130 ug/l

RT: 4.365 min Scan# 410

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:101 Resp: 209940

Ion Ratio Lower Upper

101 100

85 46.0 36.5 54.7

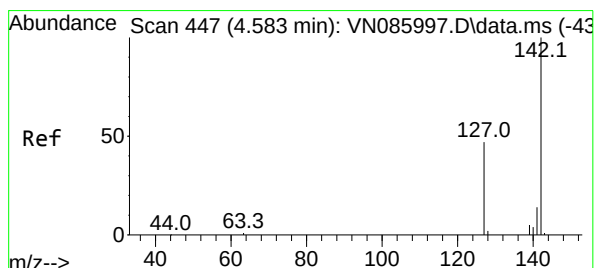
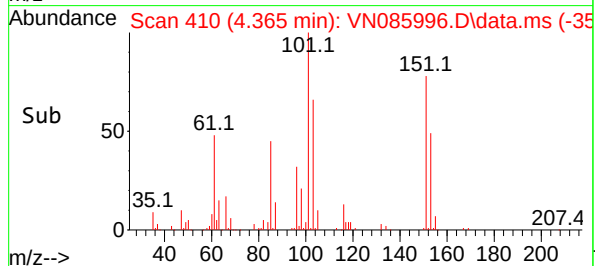
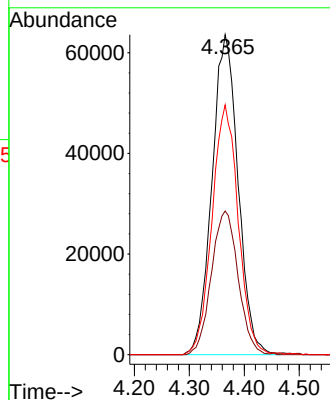
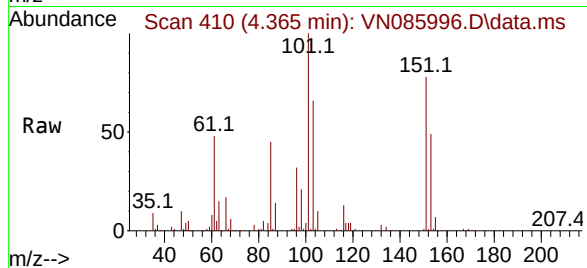
151 78.4 63.4 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#10

Methyl Iodide

Concen: 109.651 ug/l

RT: 4.583 min Scan# 447

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

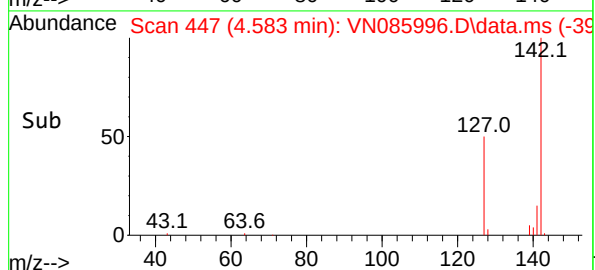
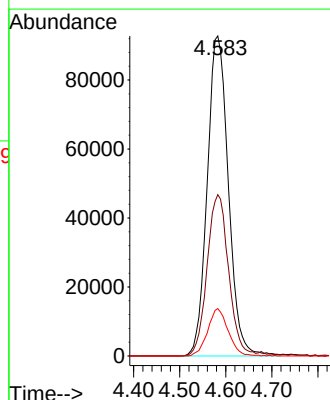
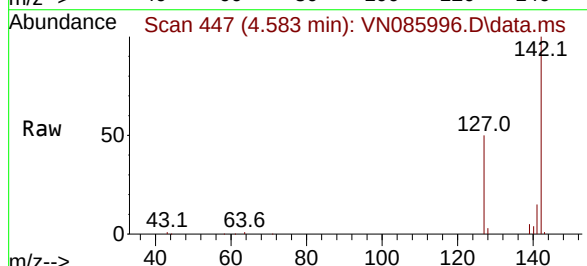
Tgt Ion:142 Resp: 296609

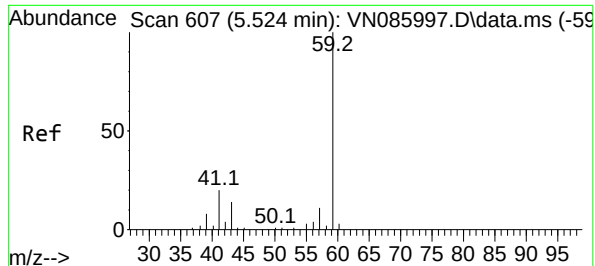
Ion Ratio Lower Upper

142 100

127 50.4 37.5 56.3

141 14.8 11.0 16.6





#11

Tert butyl alcohol

Concen: 486.176 ug/l

RT: 5.518 min Scan# 607

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 172460

Ion Ratio Lower Upper

59 100

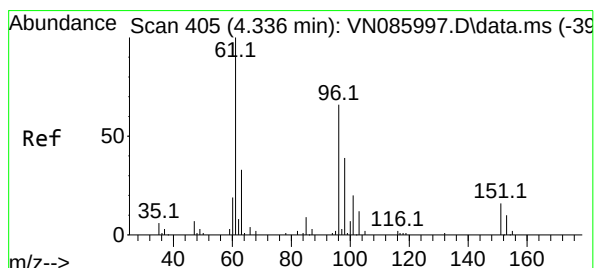
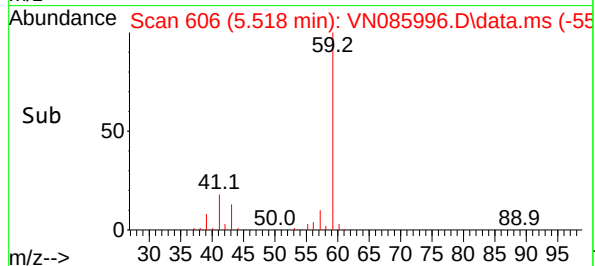
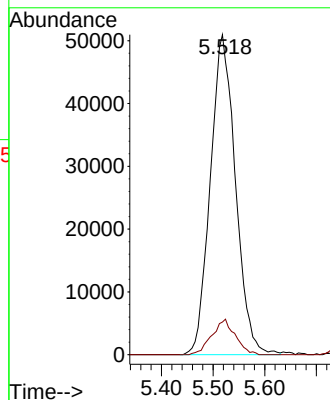
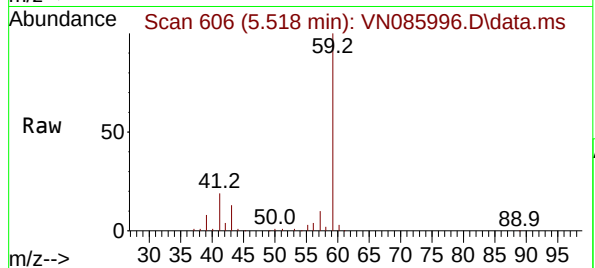
57 10.3 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#12

1,1-Dichloroethene

Concen: 110.639 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

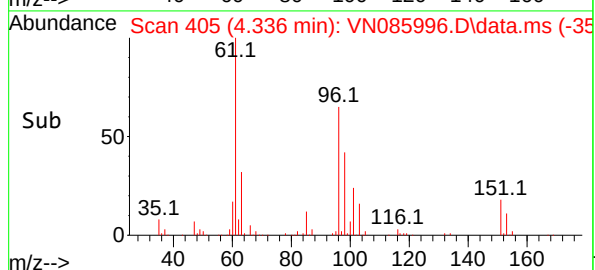
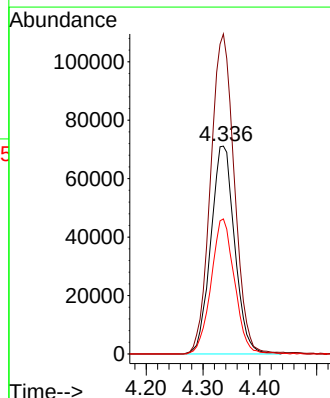
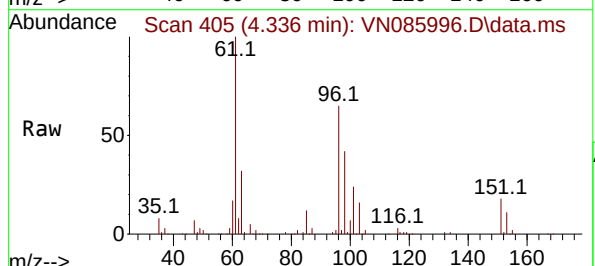
Tgt Ion: 96 Resp: 207400

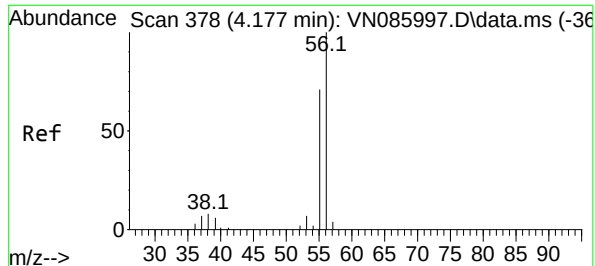
Ion Ratio Lower Upper

96 100

61 153.9 120.5 180.7

98 65.0 47.4 71.0





#13

Acrolein

Concen: 476.573 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 18031

Ion Ratio Lower Upper

56 100

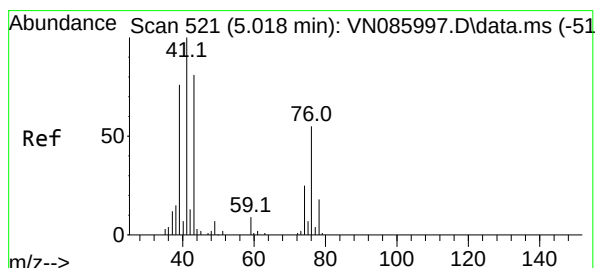
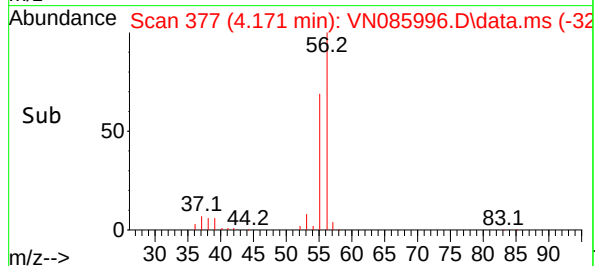
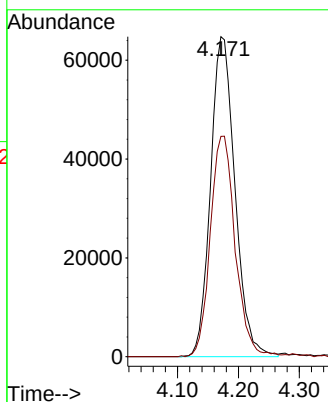
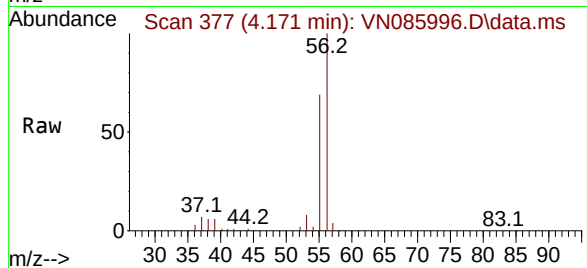
55 70.2 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 106.826 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

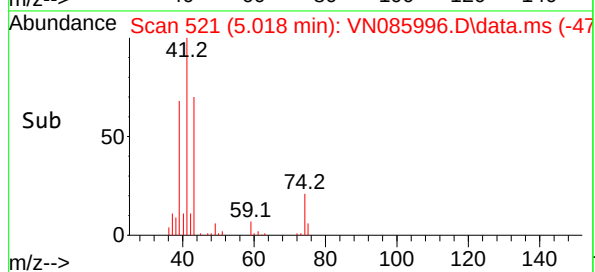
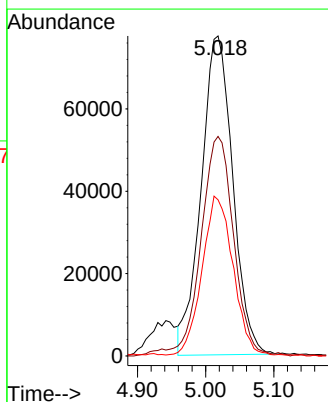
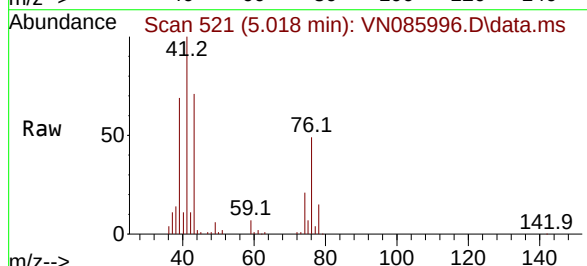
Tgt Ion: 41 Resp: 249826

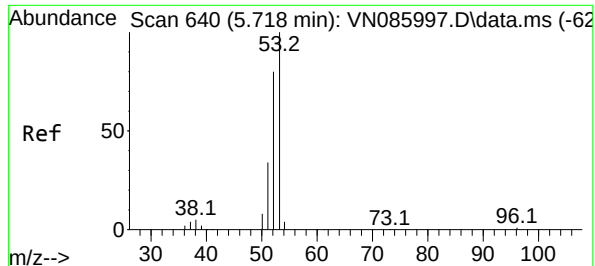
Ion Ratio Lower Upper

41 100

39 71.6 55.5 83.3

76 48.6 39.1 58.7





#15

Acrylonitrile

Concen: 519.314 ug/l

RT: 5.712 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 48652

Ion Ratio Lower Upper

53 100

52 80.2 63.9 95.9

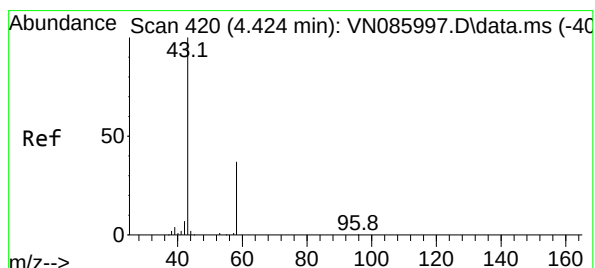
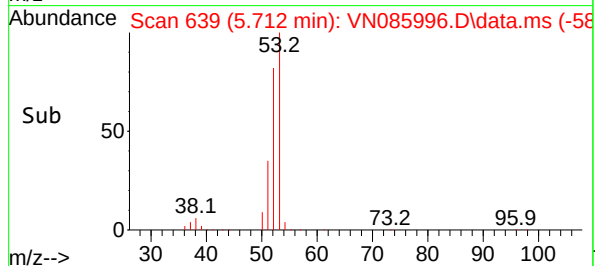
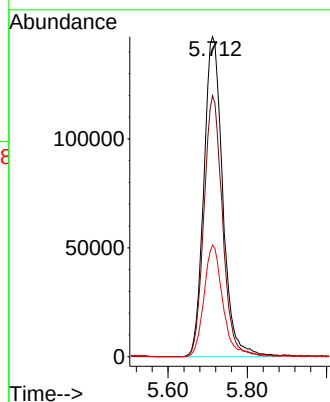
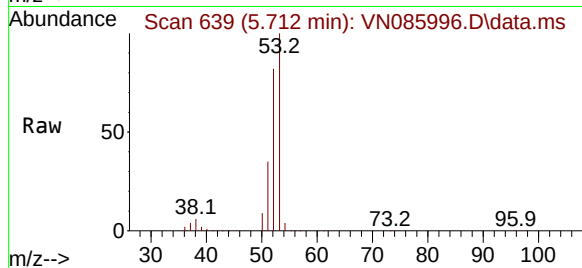
51 35.2 27.1 40.7

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#16

Acetone

Concen: 600.330 ug/l

RT: 4.418 min Scan# 419

Delta R.T. -0.006 min

Lab File: VN085996.D

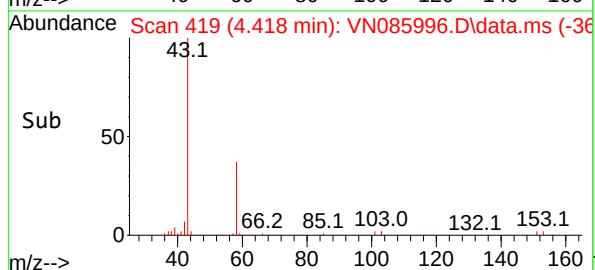
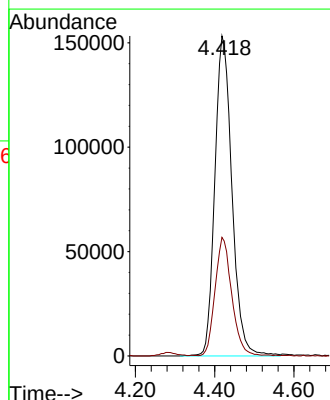
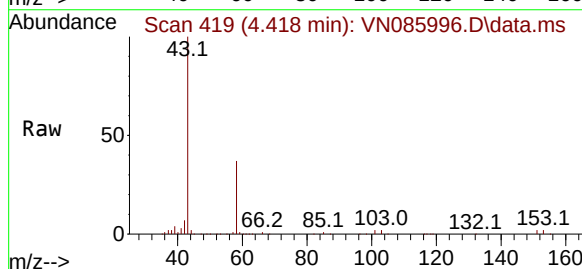
Acq: 18 Mar 2025 11:44

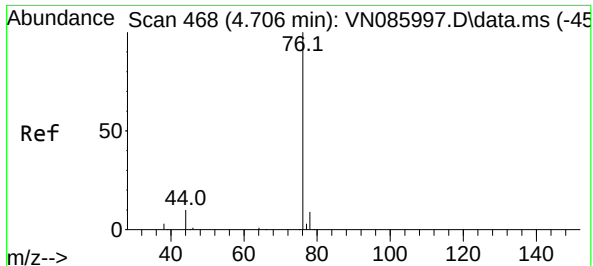
Tgt Ion: 43 Resp: 459532

Ion Ratio Lower Upper

43 100

58 36.9 29.4 44.2





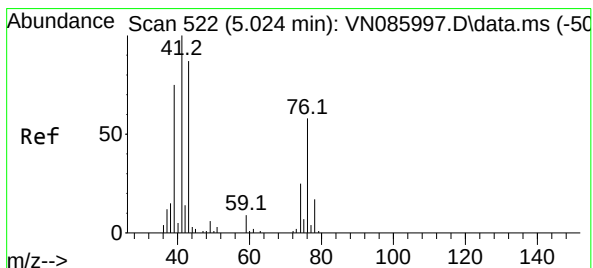
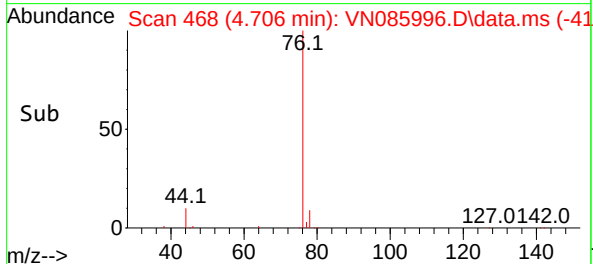
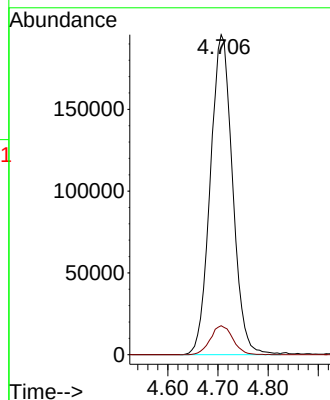
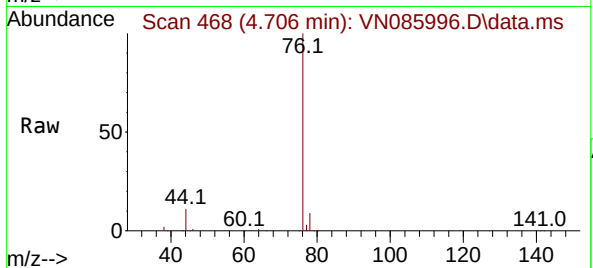
#17
Carbon Disulfide
Concen: 97.911 ug/l
RT: 4.706 min Scan# 408
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 603612
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

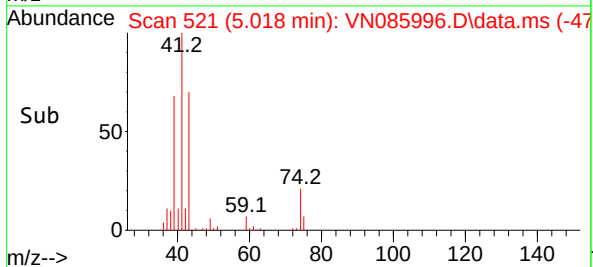
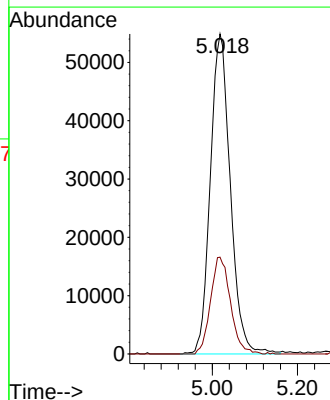
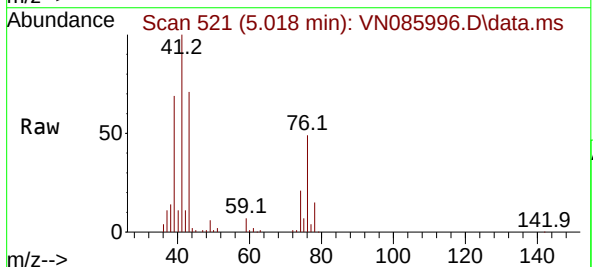
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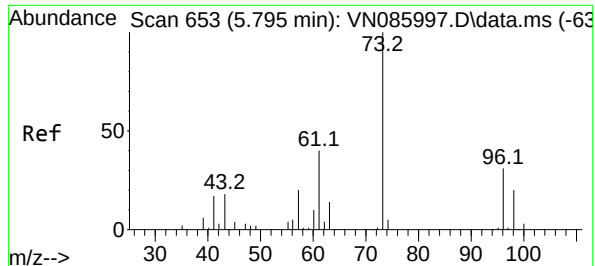
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#18
Methyl Acetate
Concen: 94.384 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 43 Resp: 178753
Ion Ratio Lower Upper
43 100
74 30.1 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 112.481 ug/l

RT: 5.789 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 690939

Ion Ratio Lower Upper

73 100

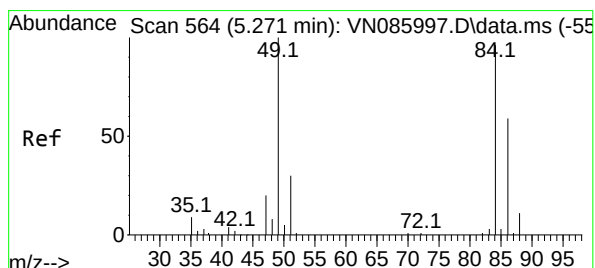
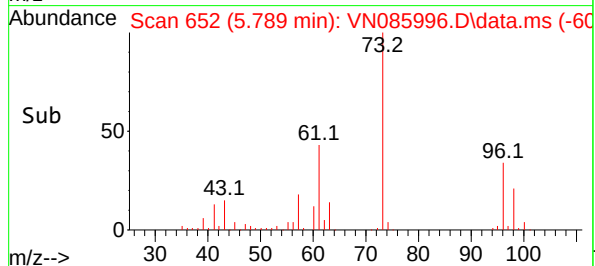
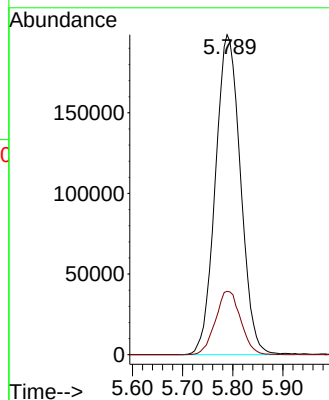
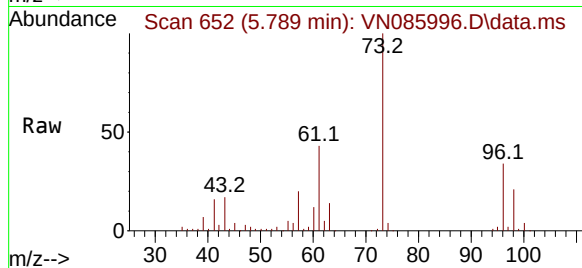
57 19.8 16.1 24.1

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 100.177 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Tgt Ion: 84 Resp: 224327

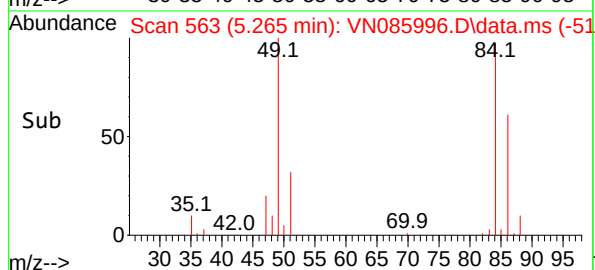
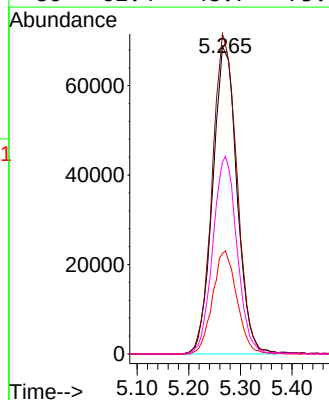
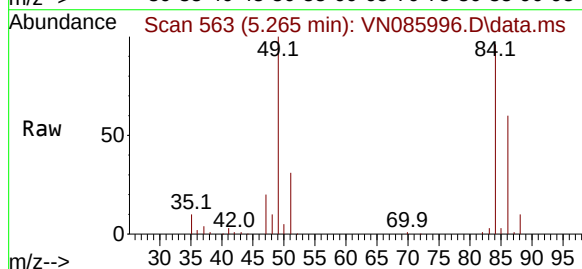
Ion Ratio Lower Upper

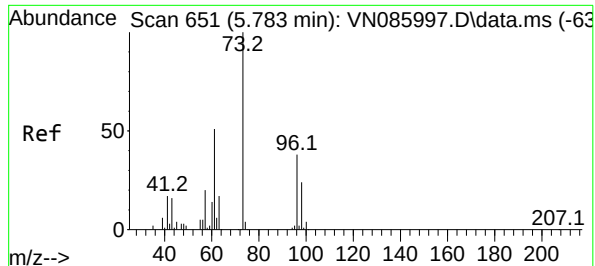
84 100

49 104.1 83.3 124.9

51 32.6 24.8 37.2

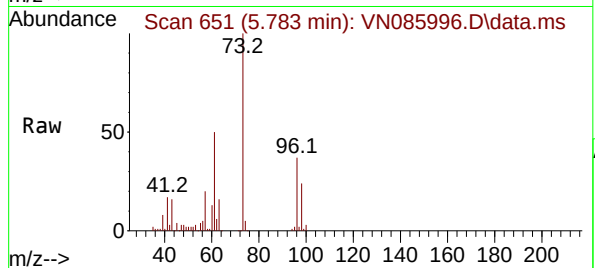
86 62.4 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 107.710 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

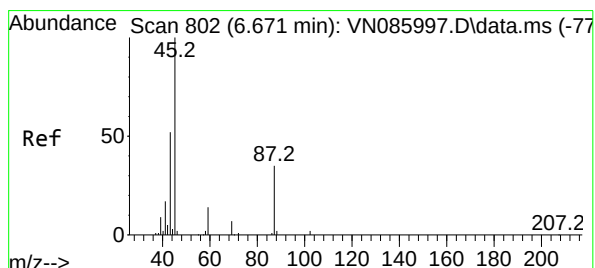
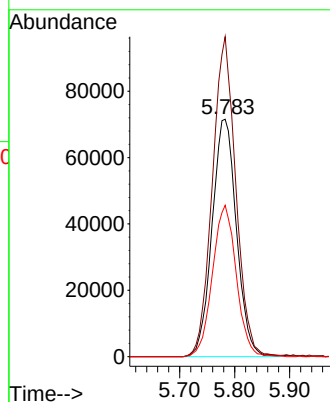
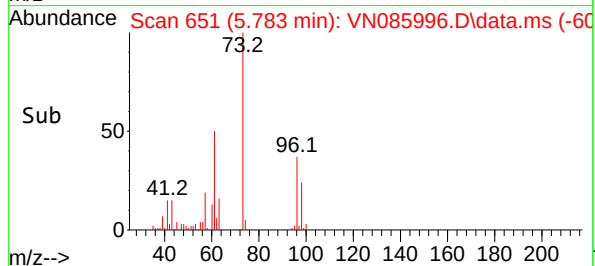
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 96 Resp: 22065
Ion Ratio Lower Upper
96 100
61 134.8 106.6 160.0
98 63.8 50.0 75.0

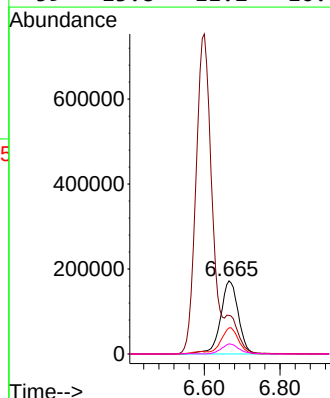
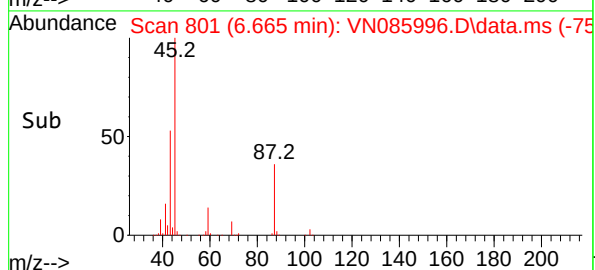
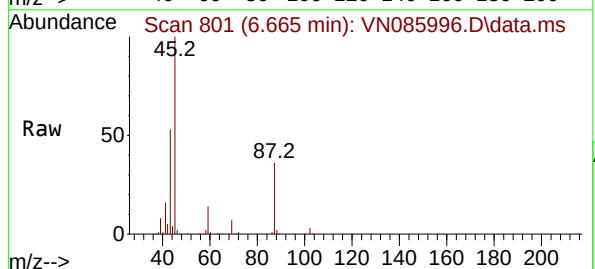
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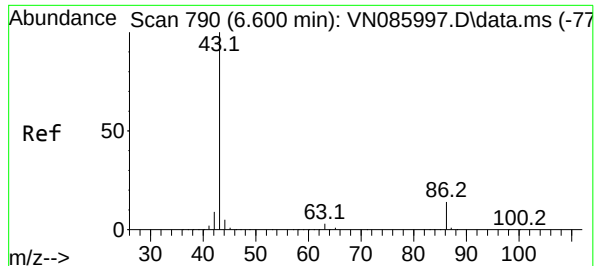
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 112.225 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 45 Resp: 559282
Ion Ratio Lower Upper
45 100
43 52.2 41.2 61.8
87 35.5 28.5 42.7
59 13.8 11.2 16.8





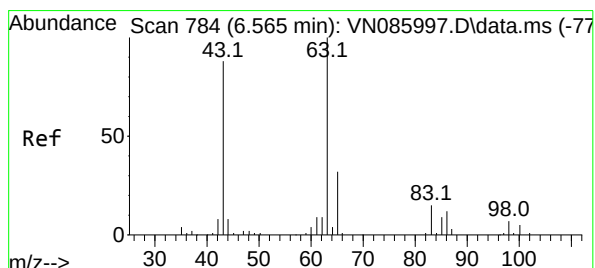
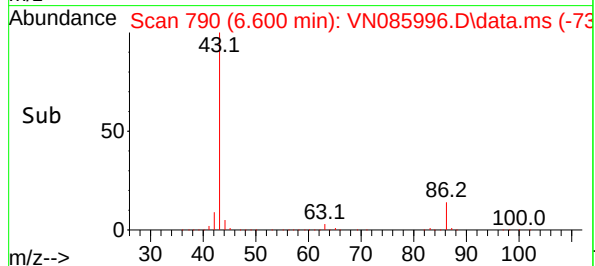
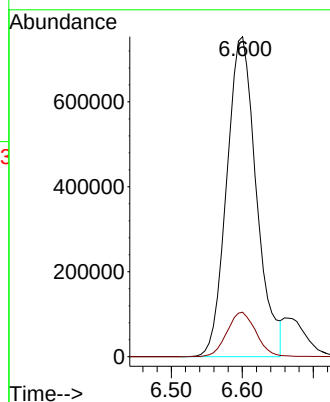
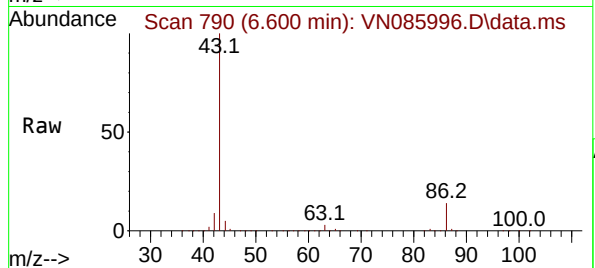
#23
 Vinyl Acetate
 Concen: 579.034 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: VN085996.D
 Acq: 18 Mar 2025 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Tgt Ion: 43 Resp: 218766
 Ion Ratio Lower Upper
 43 100
 86 13.9 11.2 16.8

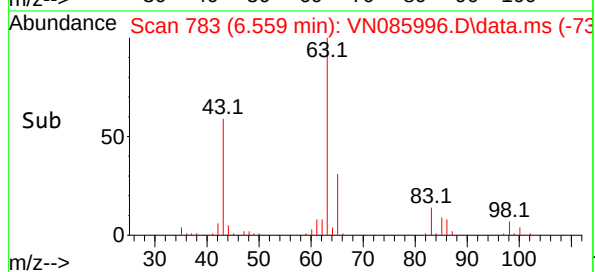
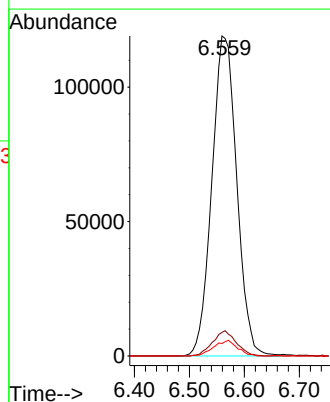
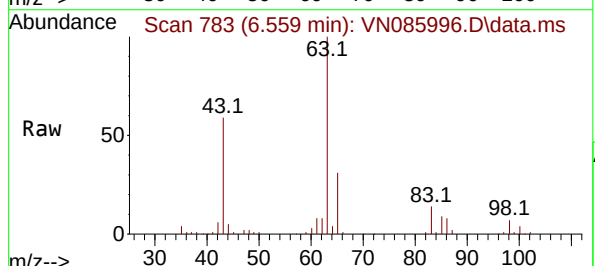
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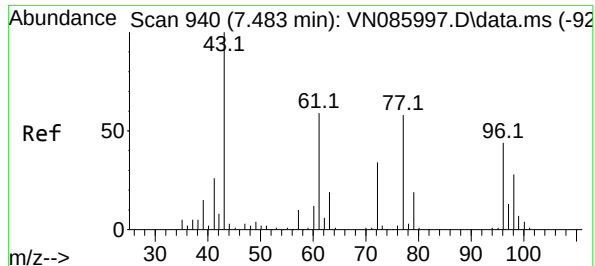
Reviewed By :John Carlone 03/19/2025
 Supervised By :Mahesh Dadoda 03/19/2025



#24
 1,1-Dichloroethane
 Concen: 102.121 ug/l
 RT: 6.559 min Scan# 783
 Delta R.T. -0.006 min
 Lab File: VN085996.D
 Acq: 18 Mar 2025 11:44

Tgt Ion: 63 Resp: 374239
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.6 10.9
 100 3.9 2.5 7.5





#25

2-Butanone

Concen: 548.306 ug/l

RT: 7.477 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 60561

Ion Ratio Lower Upper

43 100

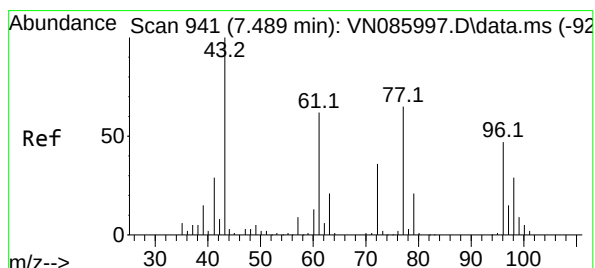
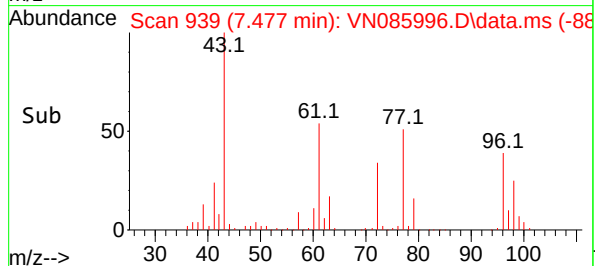
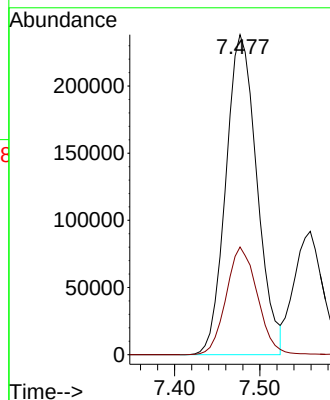
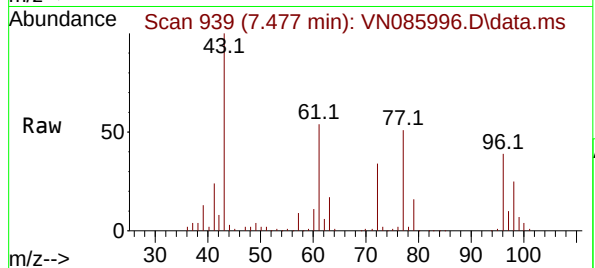
72 33.7 27.4 41.0

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 107.034 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN085996.D

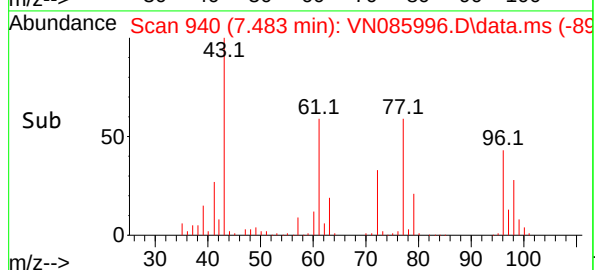
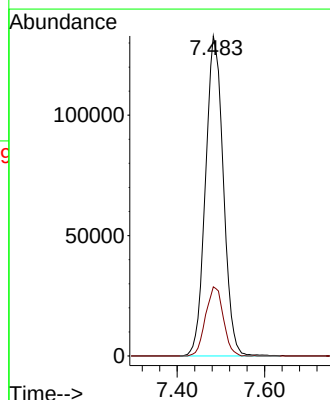
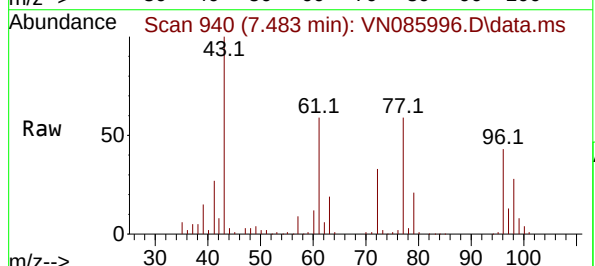
Acq: 18 Mar 2025 11:44

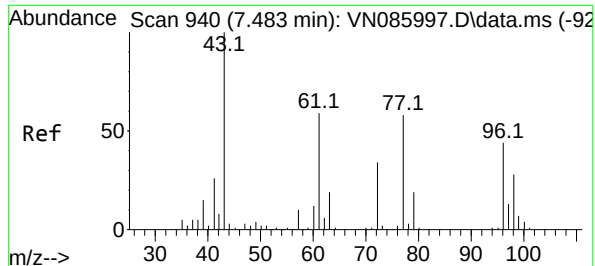
Tgt Ion: 77 Resp: 377635

Ion Ratio Lower Upper

77 100

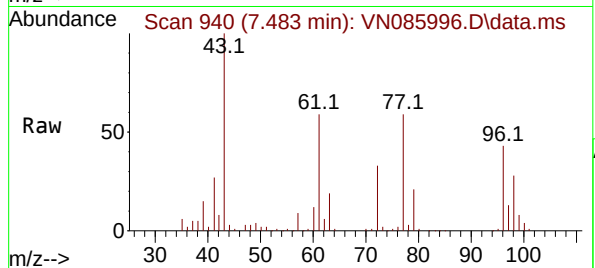
97 21.5 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 108.218 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

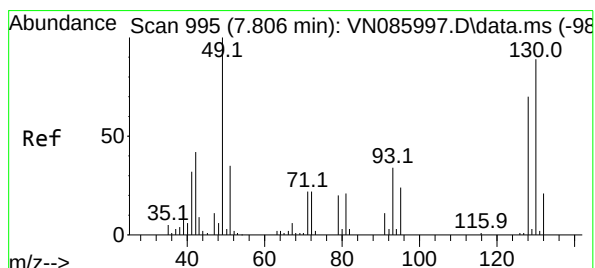
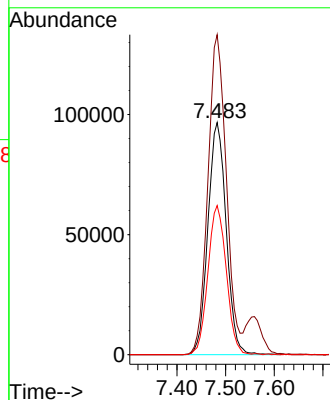
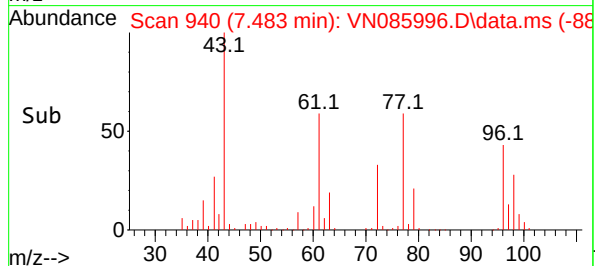
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 251929
Ion Ratio Lower Upper
96 100
61 138.2 0.0 272.8
98 64.6 0.0 124.8

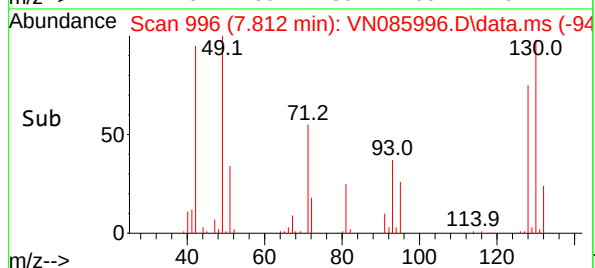
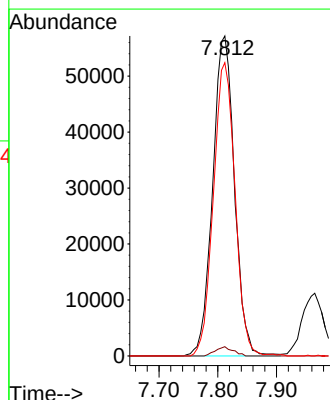
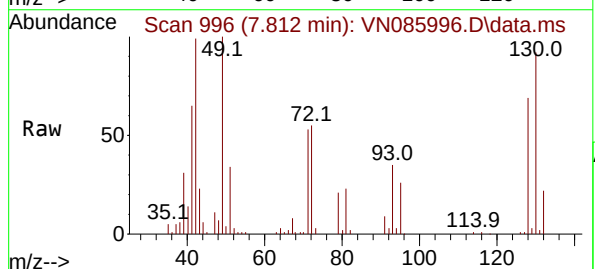
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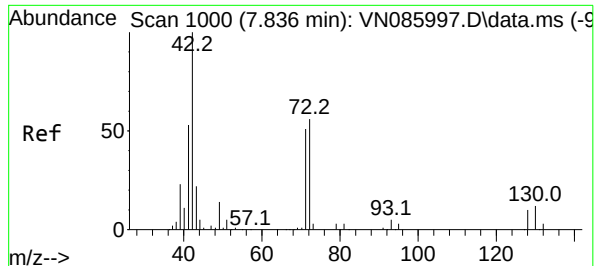
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#28
Bromochloromethane
Concen: 94.874 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 49 Resp: 147305
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.2
130 90.9 74.2 111.4





#29

Tetrahydrofuran

Concen: 546.087 ug/l

RT: 7.830 min Scan# 999

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 372372

Ion Ratio Lower Upper

42 100

72 55.6 45.0 67.4

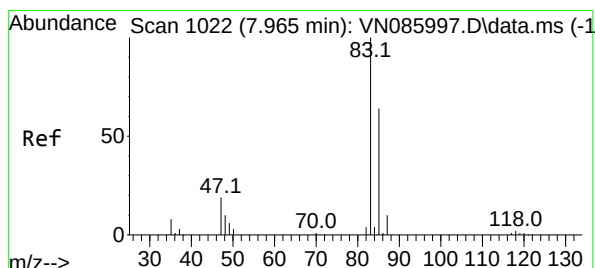
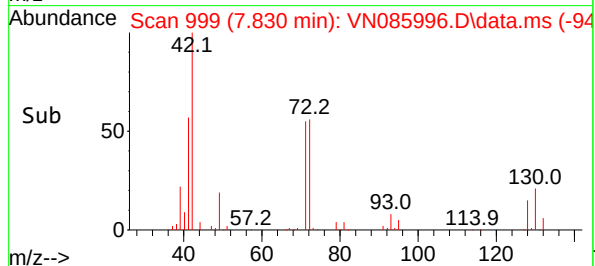
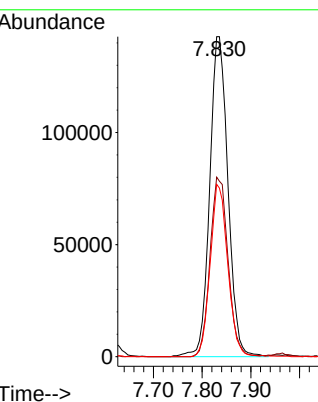
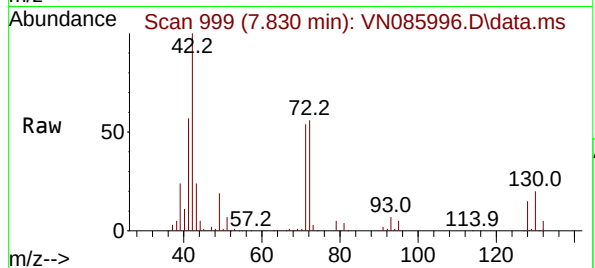
71 51.7 41.9 62.9

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 101.106 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN085996.D

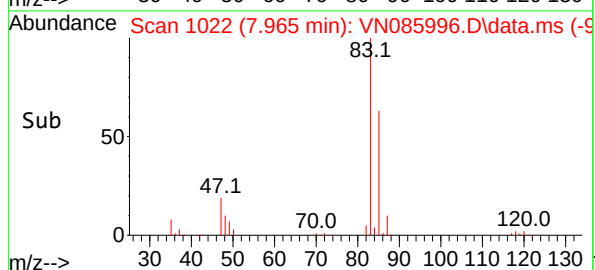
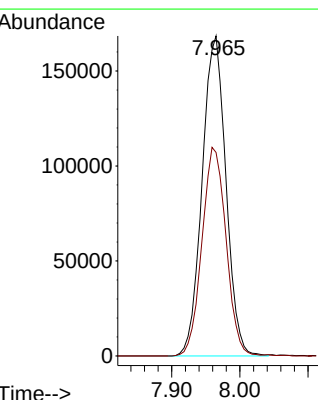
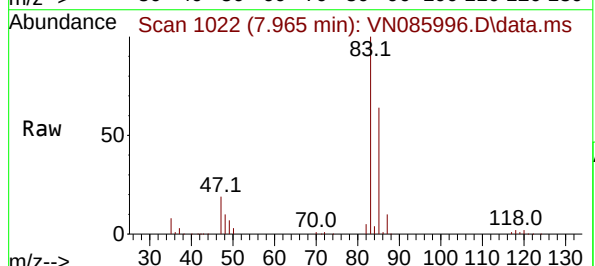
Acq: 18 Mar 2025 11:44

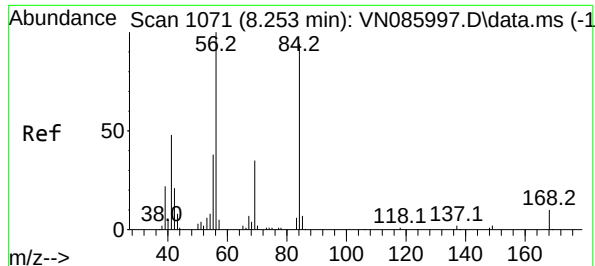
Tgt Ion: 83 Resp: 409546

Ion Ratio Lower Upper

83 100

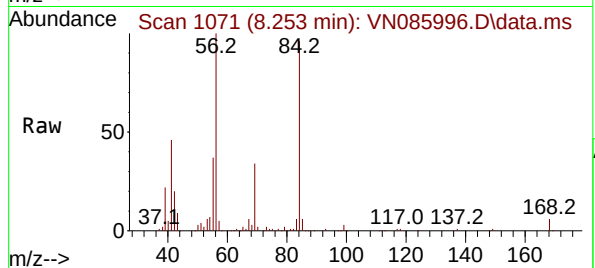
85 63.6 51.5 77.3





#31
Cyclohexane
Concen: 104.345 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

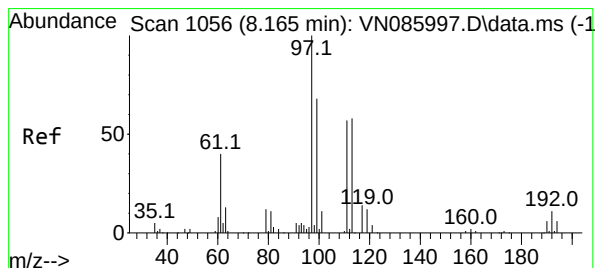
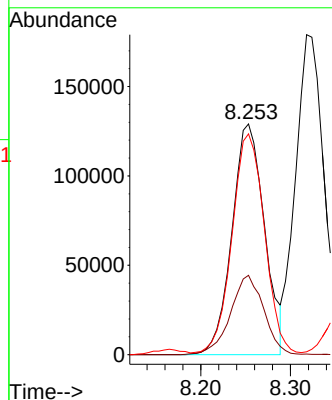
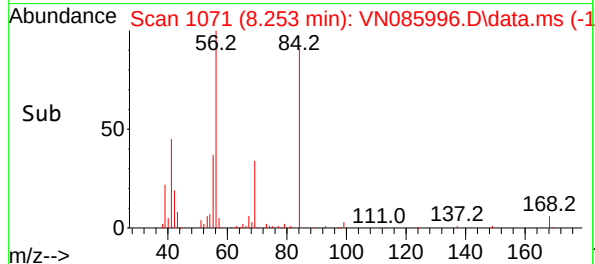
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 56 Resp: 32575
Ion Ratio Lower Upper
56 100
69 34.4 28.0 42.0
84 94.2 75.0 112.6

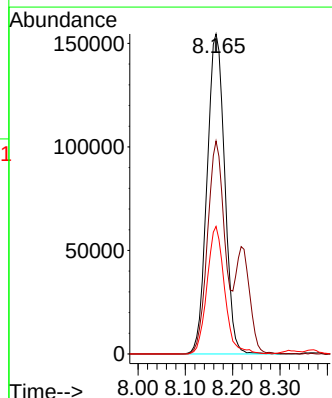
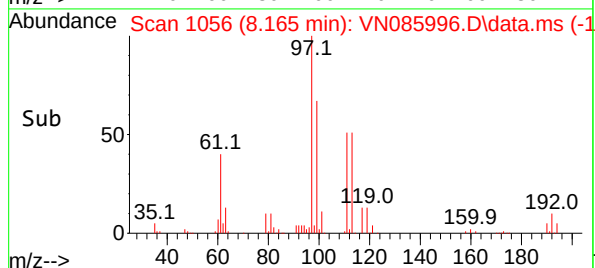
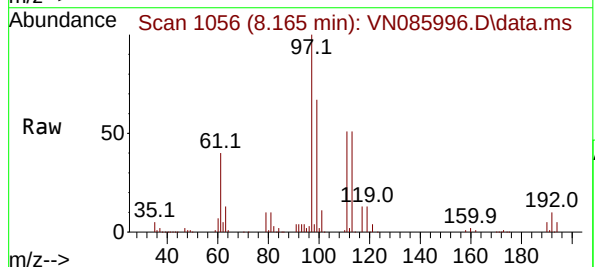
Manual Integrations
APPROVED

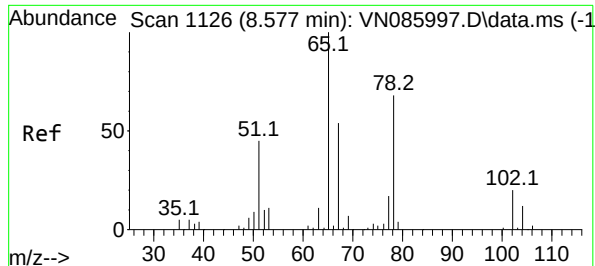
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#32
1,1,1-Trichloroethane
Concen: 104.344 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 97 Resp: 400089
Ion Ratio Lower Upper
97 100
99 66.2 52.8 79.2
61 39.7 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 92.312 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 23129

Ion Ratio Lower Upper

65 100

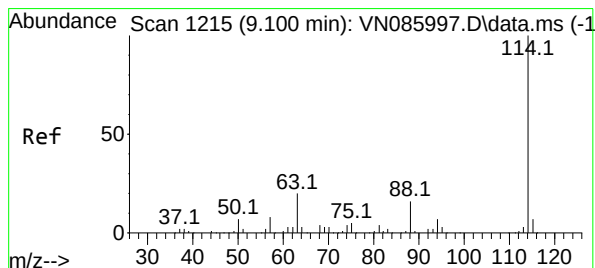
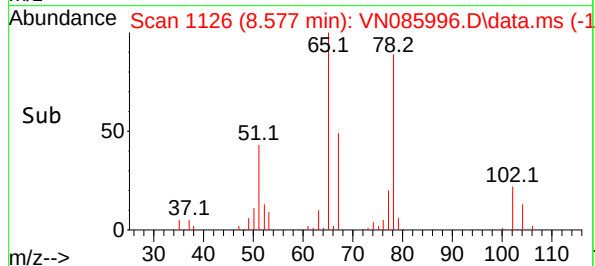
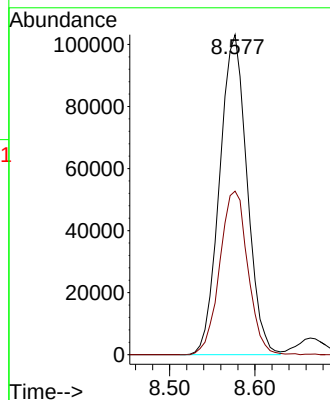
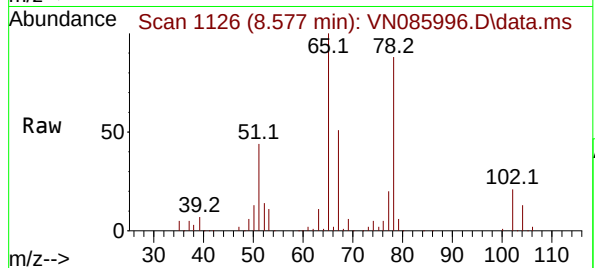
67 52.3 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

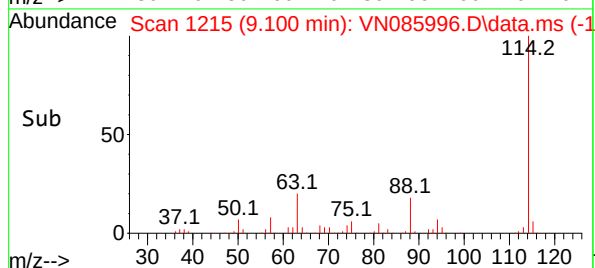
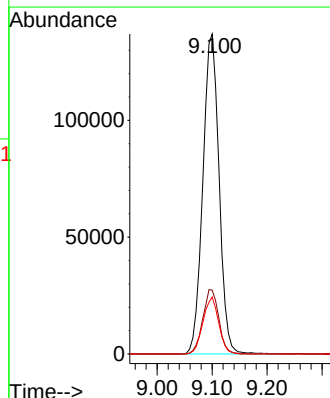
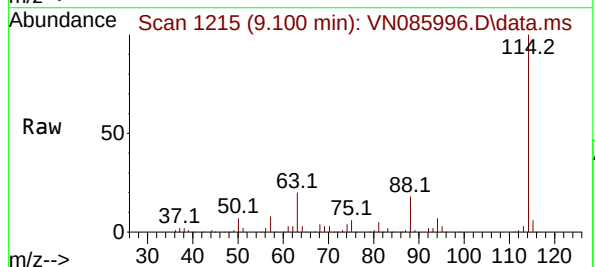
Tgt Ion:114 Resp: 280238

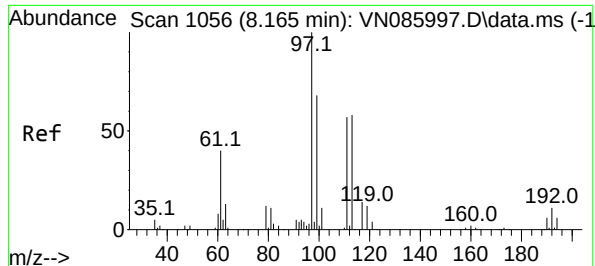
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 17.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 95.442 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 186688

Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

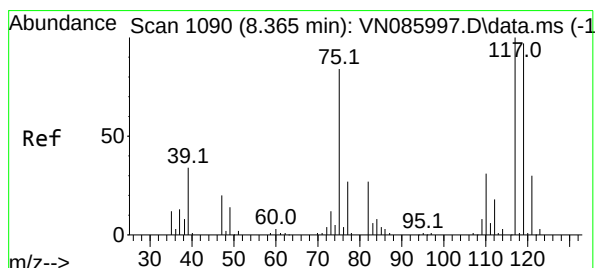
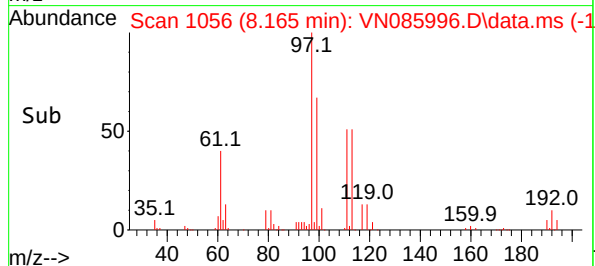
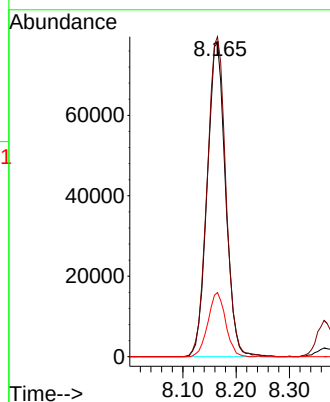
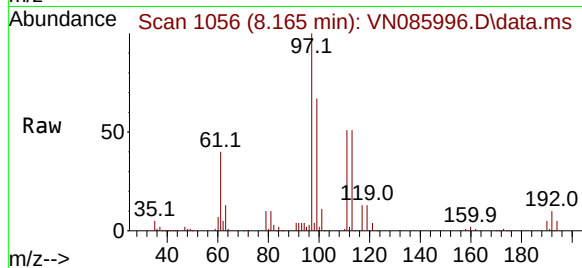
192 19.7 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#36

1,1-Dichloropropene

Concen: 114.993 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

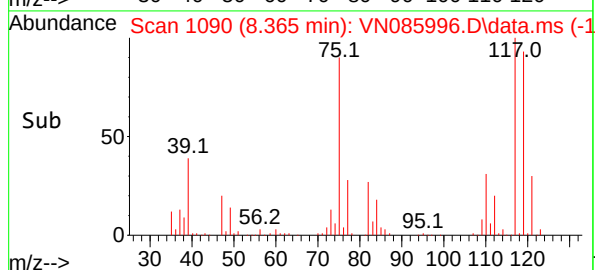
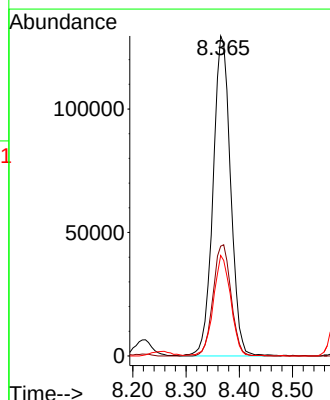
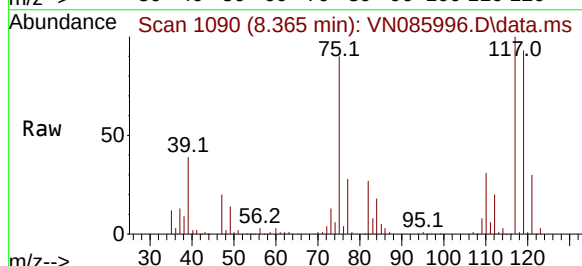
Tgt Ion: 75 Resp: 296177

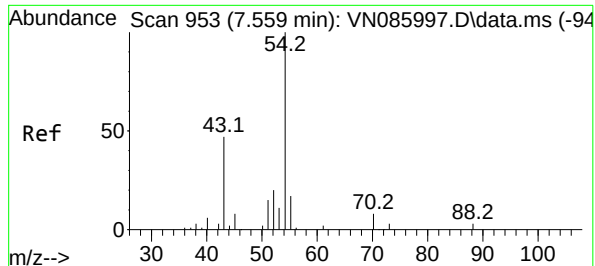
Ion Ratio Lower Upper

75 100

110 35.6 17.8 53.3

77 30.9 25.0 37.4





#37

Ethyl Acetate

Concen: 103.099 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 22402

Ion Ratio Lower Upper

43 100

61 15.5 13.0 19.4

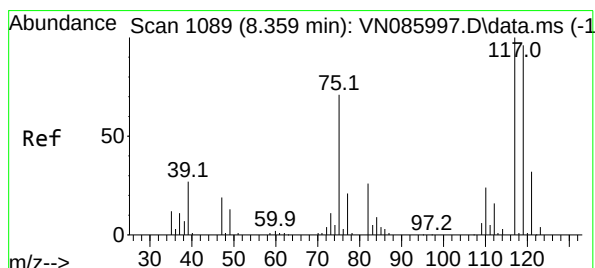
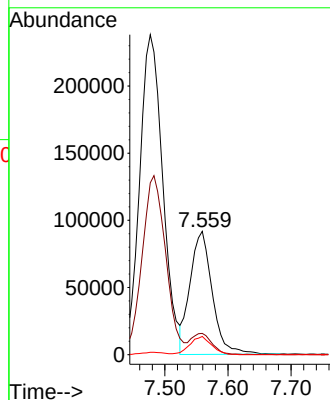
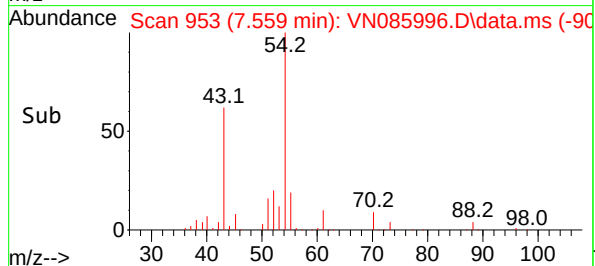
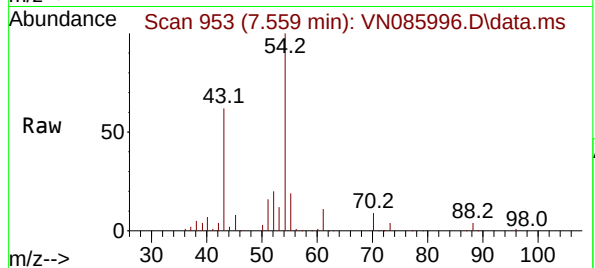
70 14.5 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#38

Carbon Tetrachloride

Concen: 111.395 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

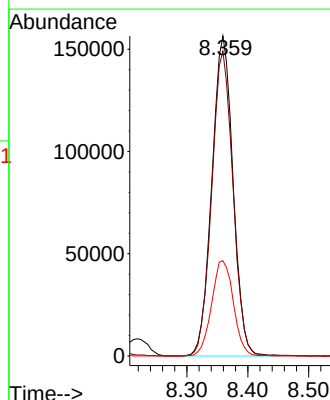
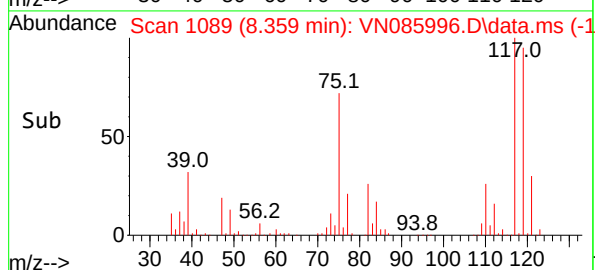
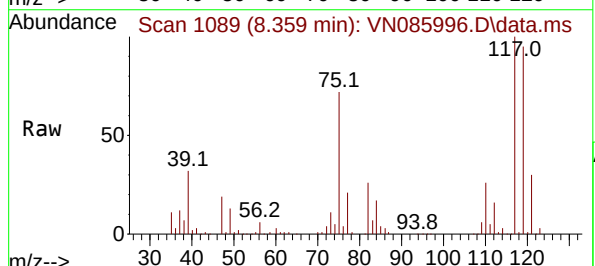
Tgt Ion:117 Resp: 377239

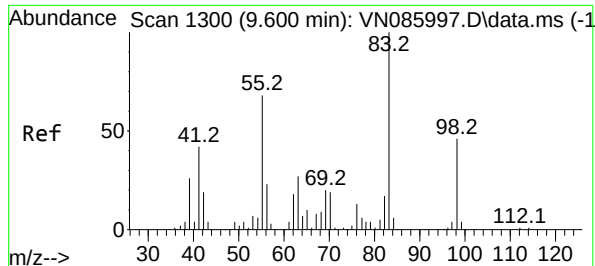
Ion Ratio Lower Upper

117 100

119 95.3 77.0 115.4

121 29.8 25.6 38.4





#39

Methylcyclohexane

Concen: 126.957 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 324420

Ion Ratio Lower Upper

83 100

55 70.2 54.2 81.2

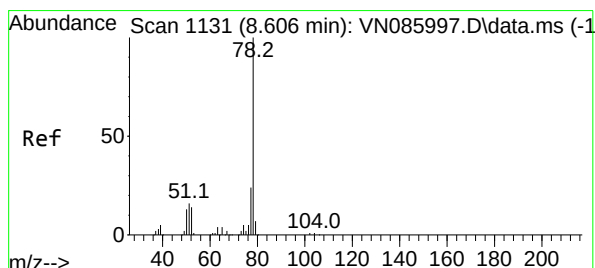
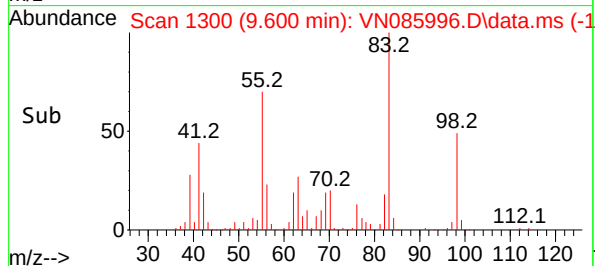
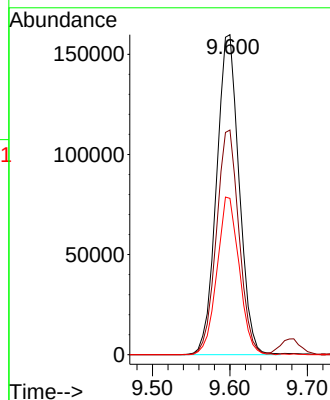
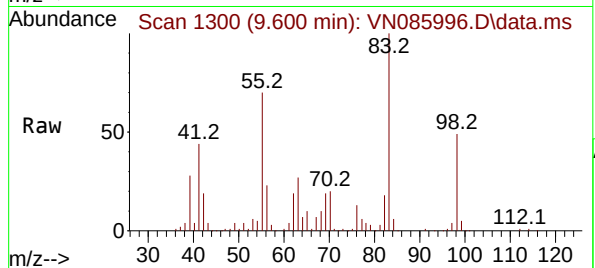
98 48.9 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 111.613 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN085996.D

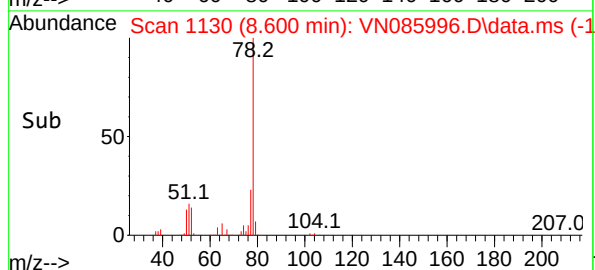
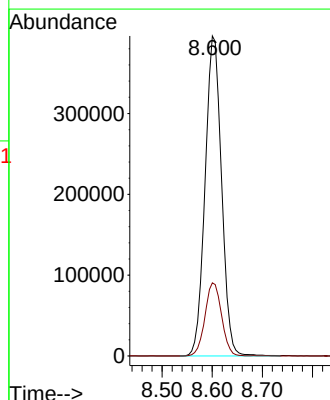
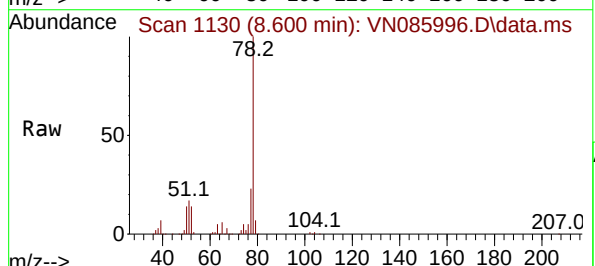
Acq: 18 Mar 2025 11:44

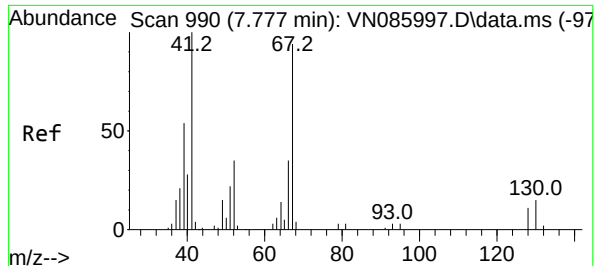
Tgt Ion: 78 Resp: 902443

Ion Ratio Lower Upper

78 100

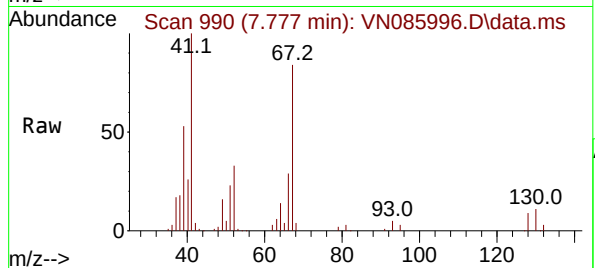
77 22.9 18.9 28.3





#41
Methacrylonitrile
Concen: 118.971 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

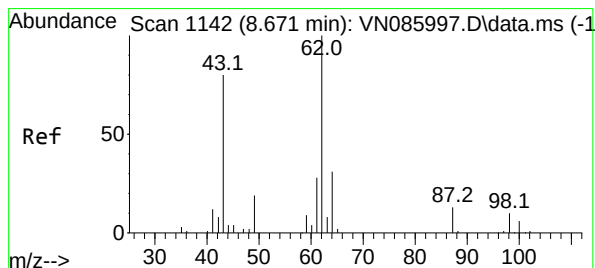
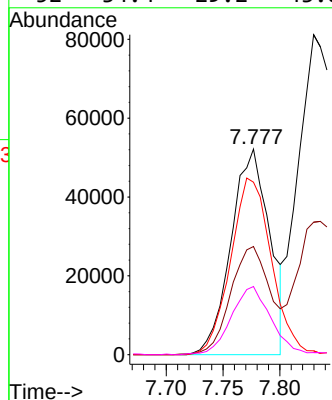
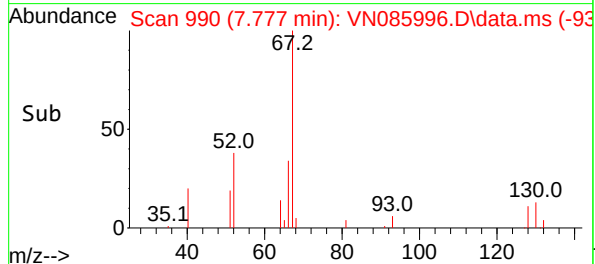
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 41 Resp: 123440
Ion Ratio Lower Upper
41 100
39 53.6 46.2 69.2
67 90.8 75.9 113.9
52 34.4 29.2 43.8

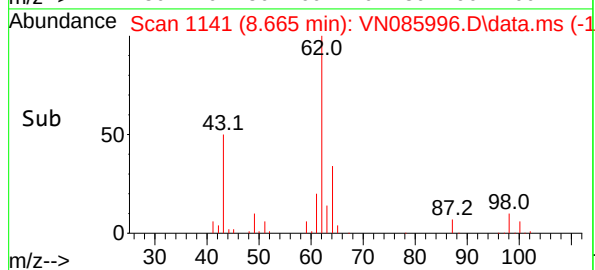
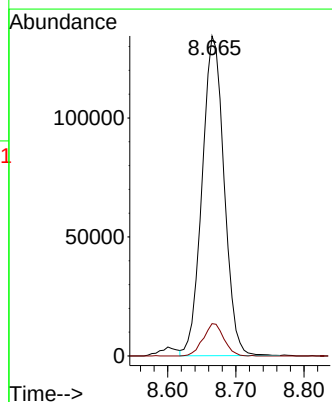
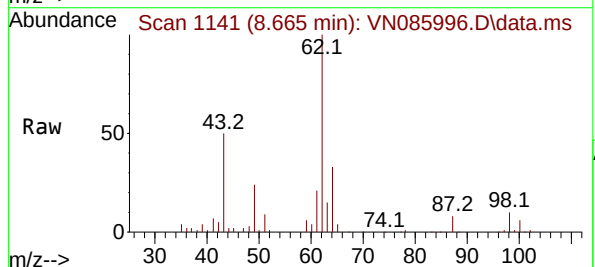
Manual Integrations
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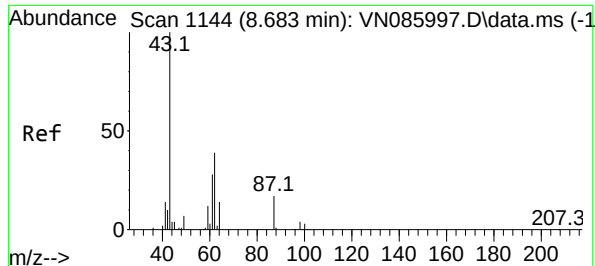
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#42
1,2-Dichloroethane
Concen: 107.080 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 62 Resp: 301678
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.6





#43

Isopropyl Acetate

Concen: 84.427 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 39836

Ion Ratio Lower Upper

43

100

61

87

30.6

16.6

25.0

13.0

37.6

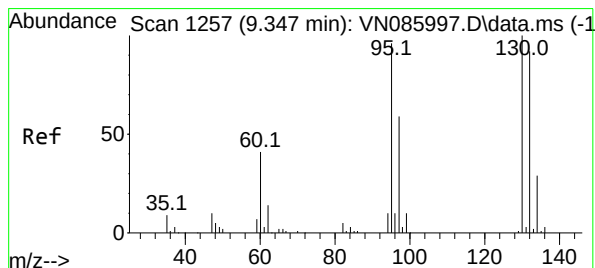
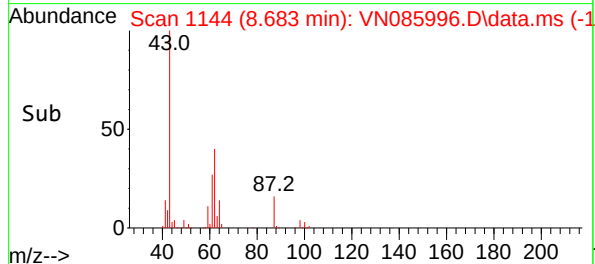
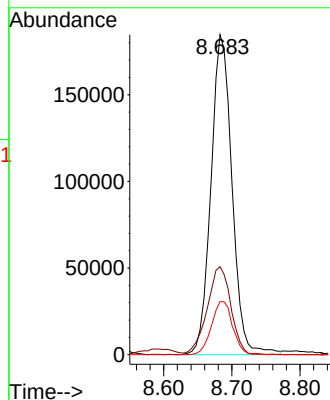
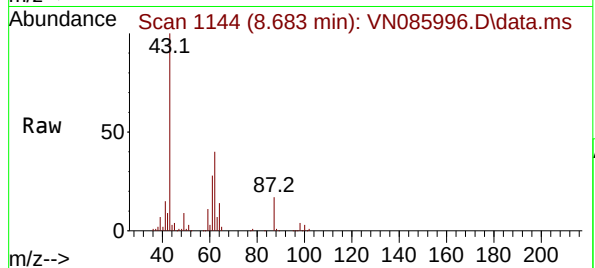
19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 105.460 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Tgt Ion:130 Resp: 220997

Ion Ratio Lower Upper

130

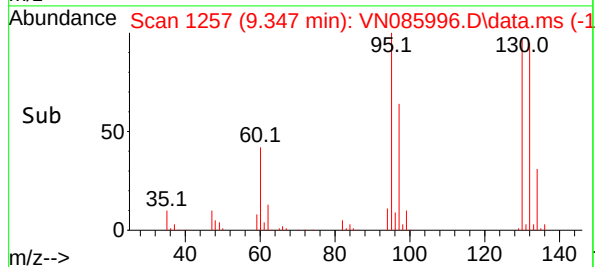
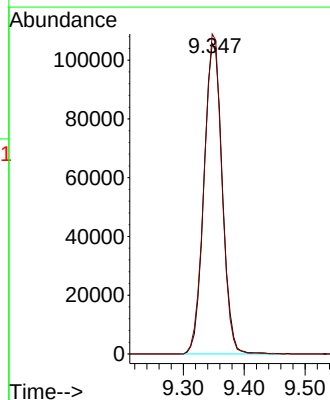
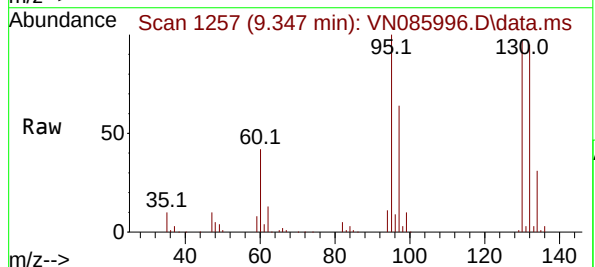
95

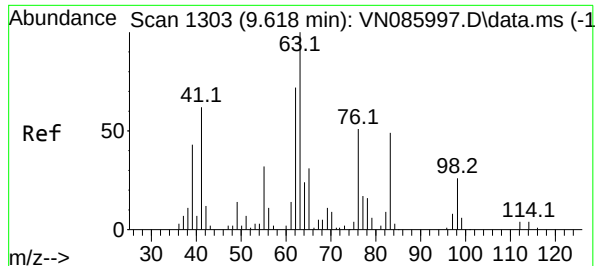
100

103.1

0.0

191.6





#45

1,2-Dichloropropane

Concen: 111.644 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 20531

Ion Ratio Lower Upper

63 100

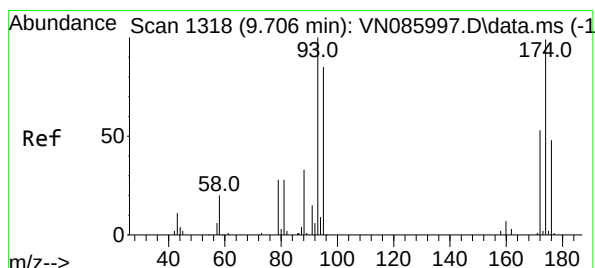
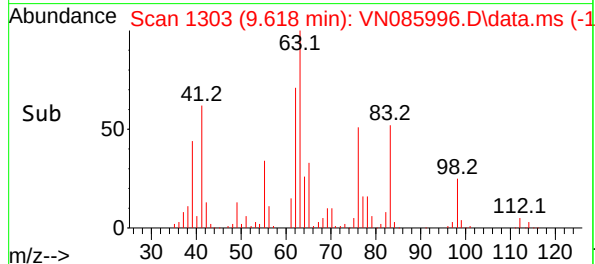
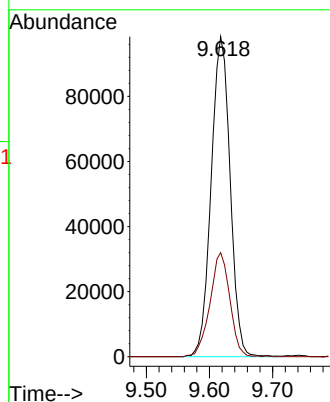
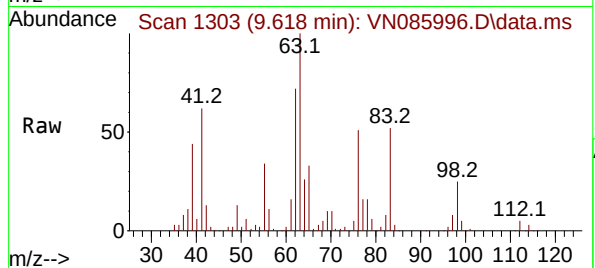
65 32.5 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 107.992 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

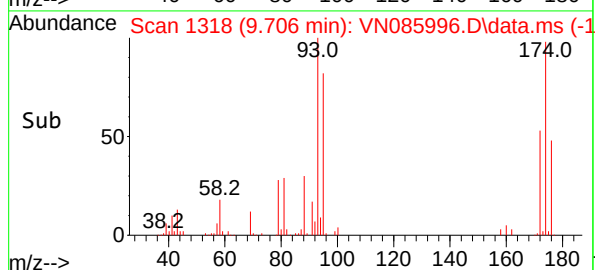
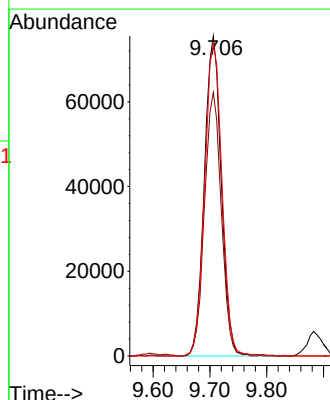
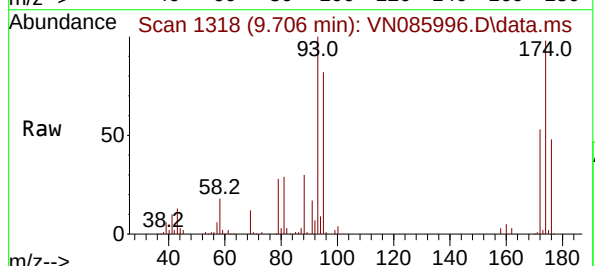
Tgt Ion: 93 Resp: 156183

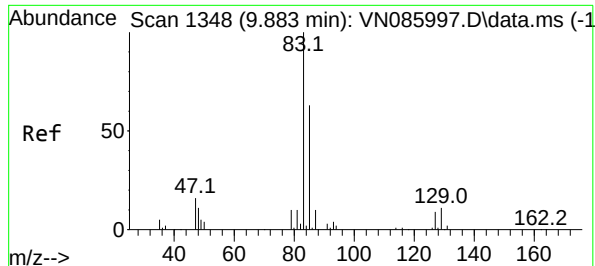
Ion Ratio Lower Upper

93 100

95 82.1 66.2 99.2

174 99.9 80.1 120.1





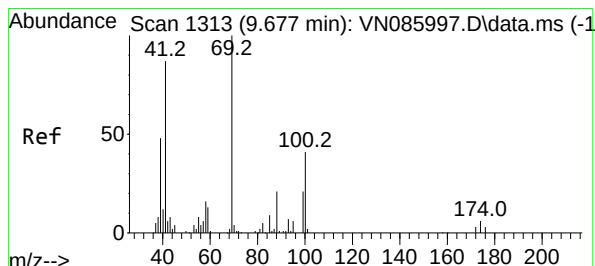
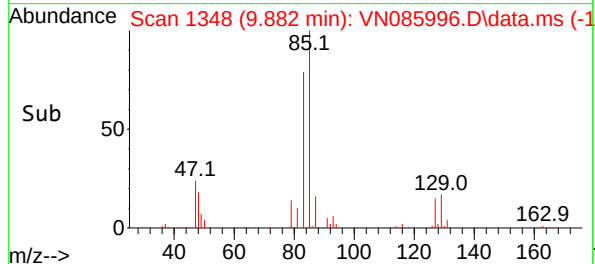
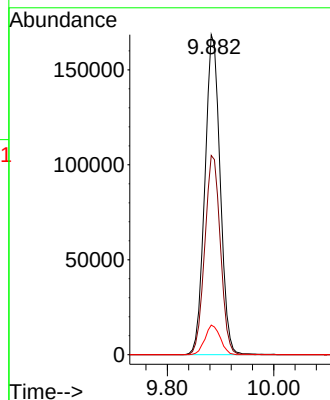
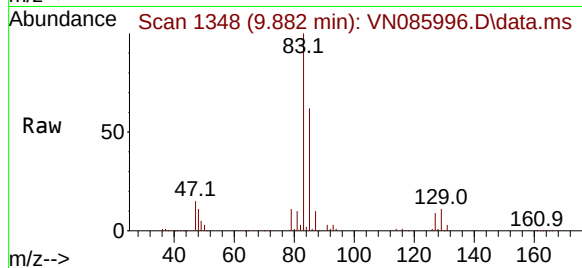
#47
Bromodichloromethane
Concen: 111.244 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 33624
Ion Ratio Lower Upper
83 100
85 62.3 50.2 75.2
127 9.2 7.1 10.7

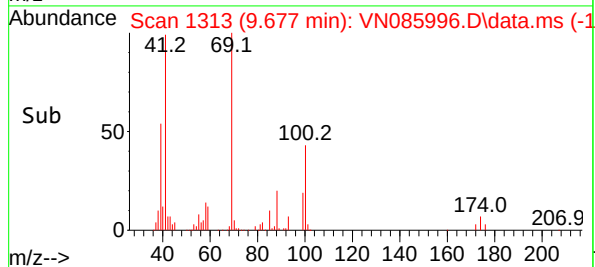
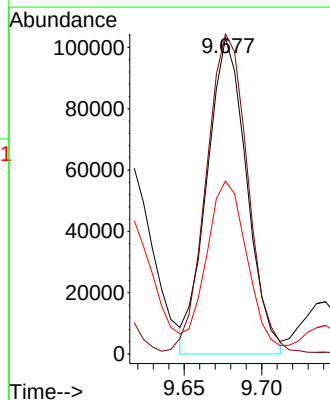
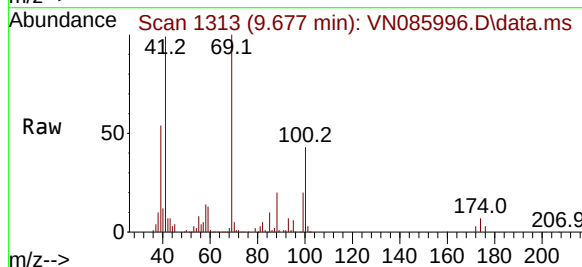
Manual Integrations
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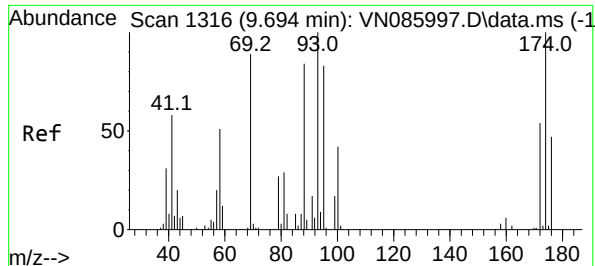
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#48
Methyl methacrylate
Concen: 118.314 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 41 Resp: 183832
Ion Ratio Lower Upper
41 100
69 107.2 83.1 124.7
39 56.7 45.6 68.4





#49

1,4-Dioxane

Concen: 2276.865 ug/l

RT: 9.688 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 88 Resp: 83630

Ion Ratio Lower Upper

88 100

43 22.7 21.7 32.5

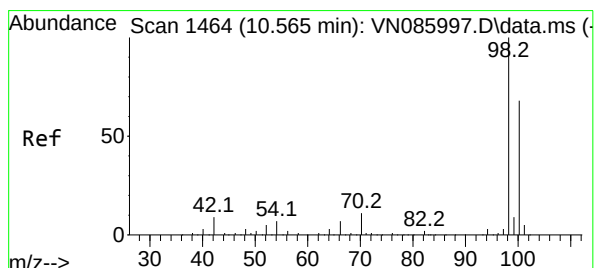
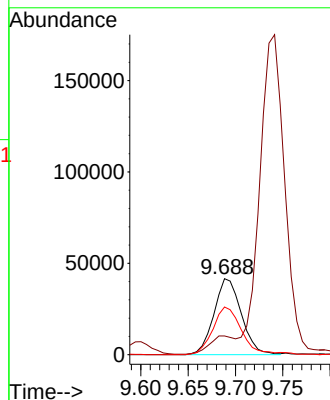
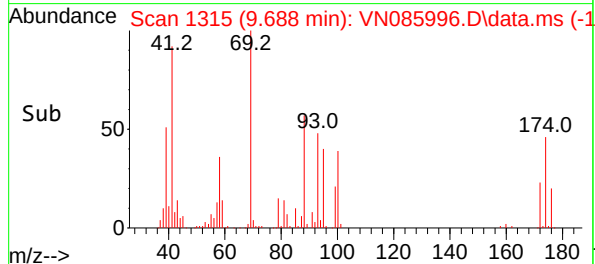
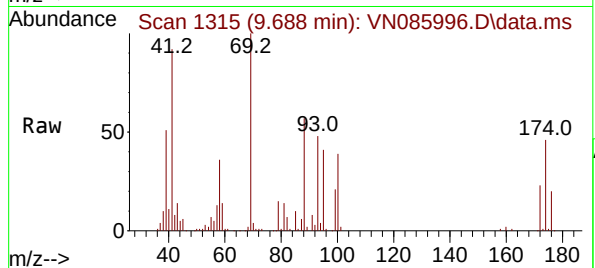
58 66.8 50.4 75.6

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 103.341 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085996.D

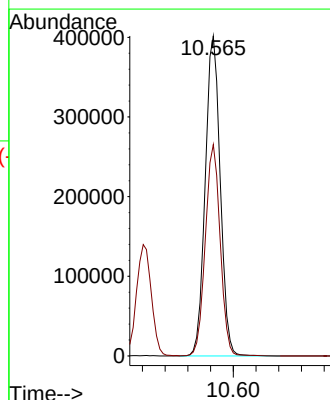
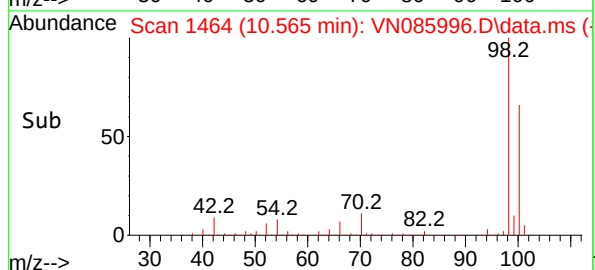
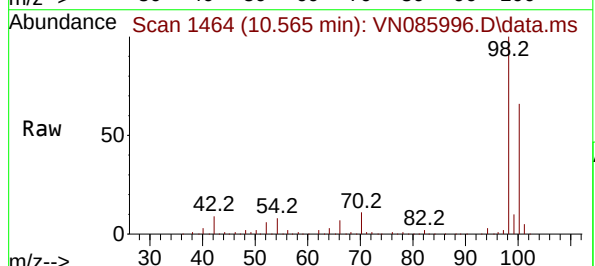
Acq: 18 Mar 2025 11:44

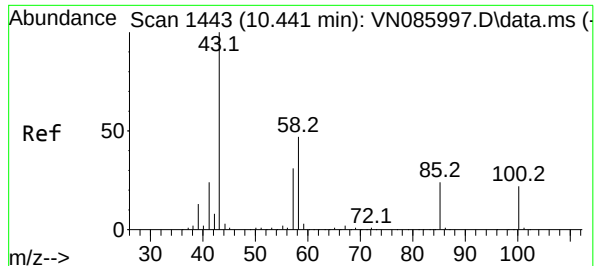
Tgt Ion: 98 Resp: 733621

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7





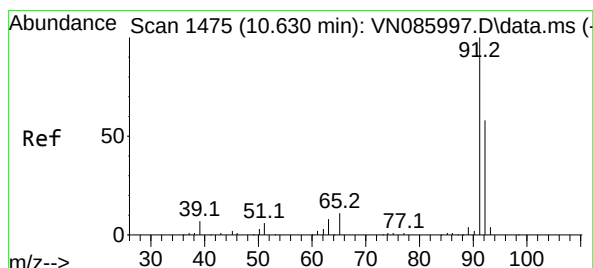
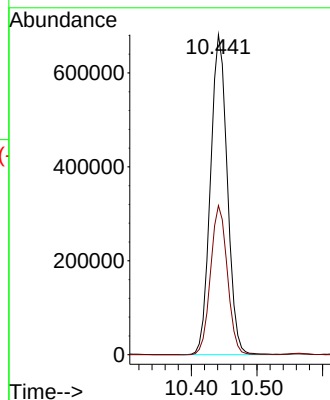
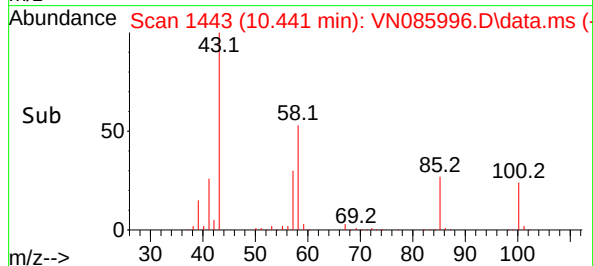
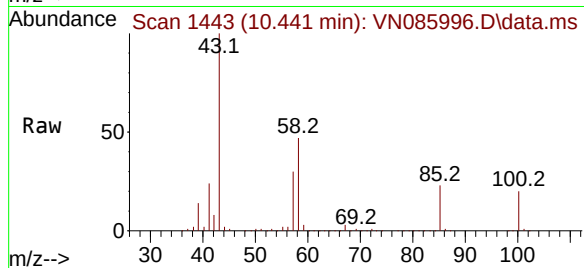
#51
4-Methyl-2-Pentanone
Concen: 585.839 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1216534
Ion Ratio Lower Upper
43 100
58 46.5 37.4 56.0

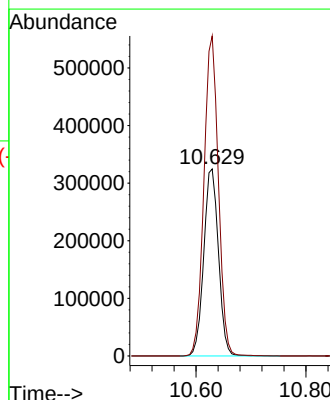
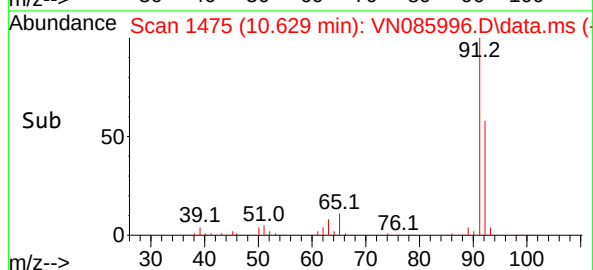
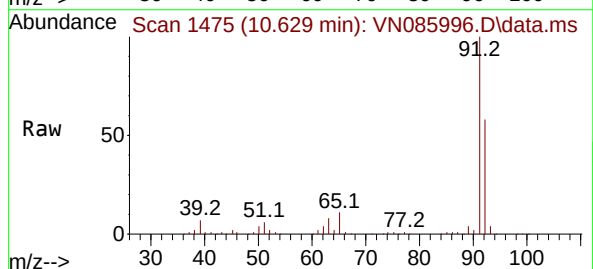
Manual Integrations
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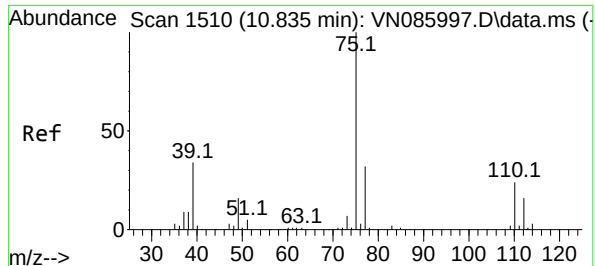
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 121.286 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

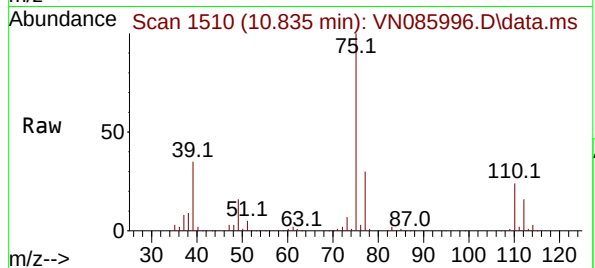
Tgt Ion: 92 Resp: 601872
Ion Ratio Lower Upper
92 100
91 168.4 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 123.365 ug/l
RT: 10.835 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

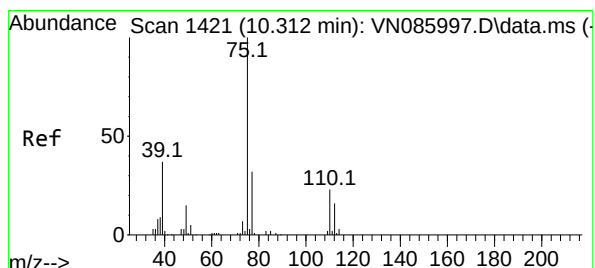
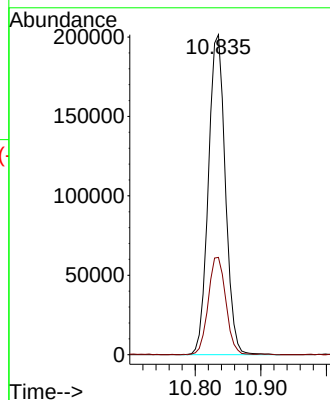
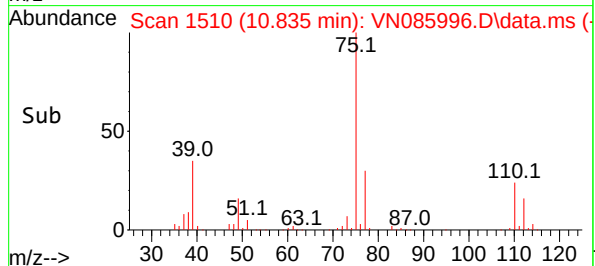
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 75 Resp: 362129
Ion Ratio Lower Upper
75 100
77 30.4 25.3 37.9

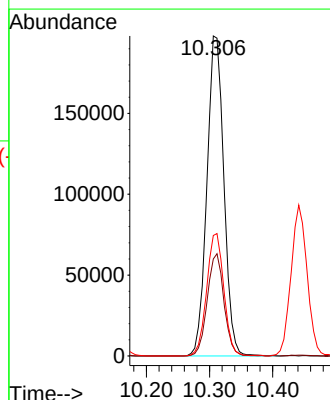
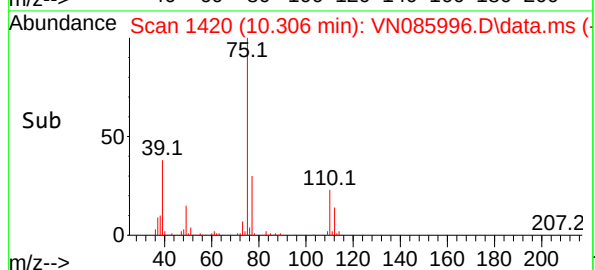
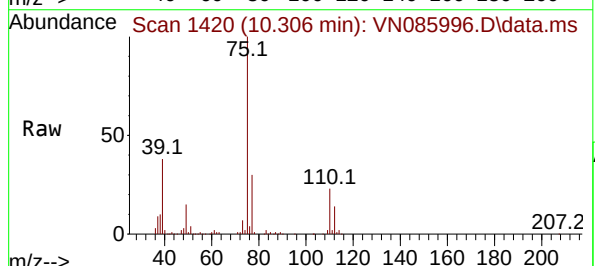
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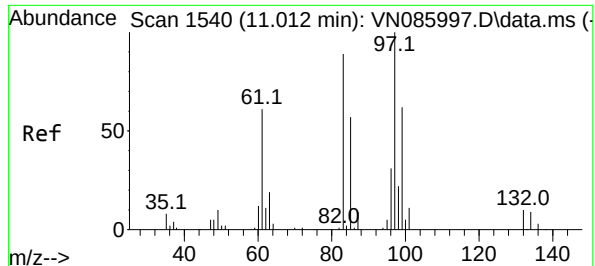
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 119.304 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

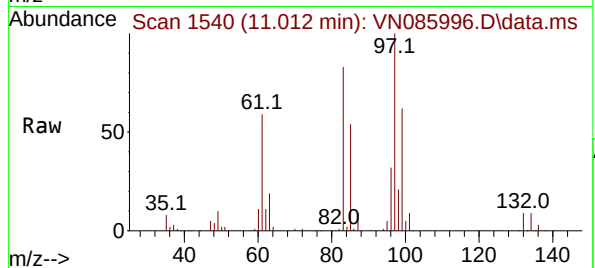
Tgt Ion: 75 Resp: 369494
Ion Ratio Lower Upper
75 100
77 30.3 25.3 37.9
39 37.7 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 112.938 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

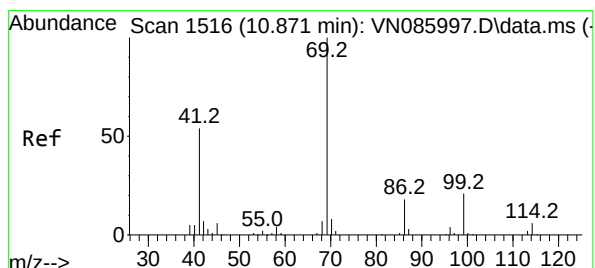
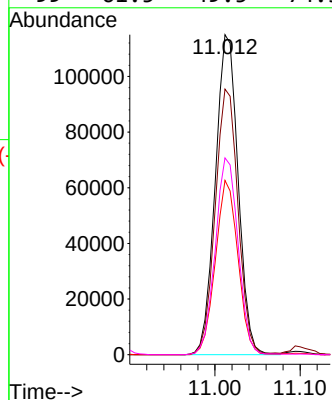
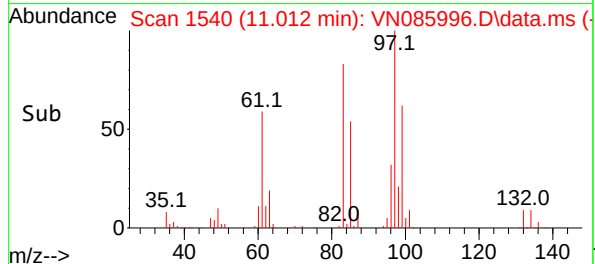
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 97 Resp: 213909
Ion Ratio Lower Upper
97 100
83 83.0 71.2 106.8
85 54.5 45.4 68.0
99 61.5 49.5 74.3

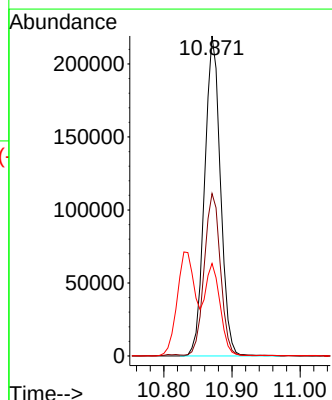
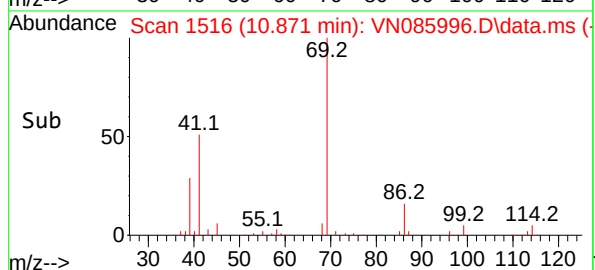
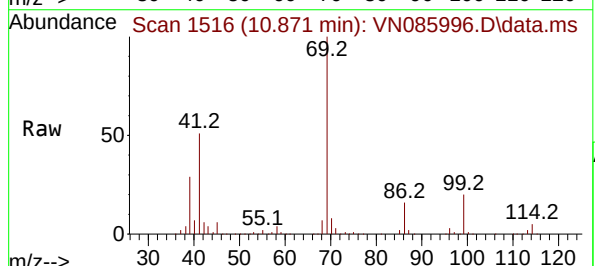
Manual Integrations
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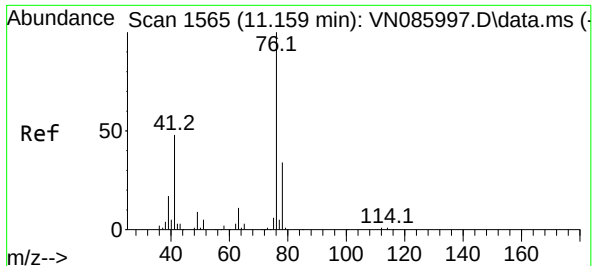
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#56
Ethyl methacrylate
Concen: 100.009 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 69 Resp: 354676
Ion Ratio Lower Upper
69 100
41 51.4 41.6 62.4
39 27.3 21.8 32.8





#57

1,3-Dichloropropane

Concen: 114.512 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 368384

Ion Ratio Lower Upper

76 100

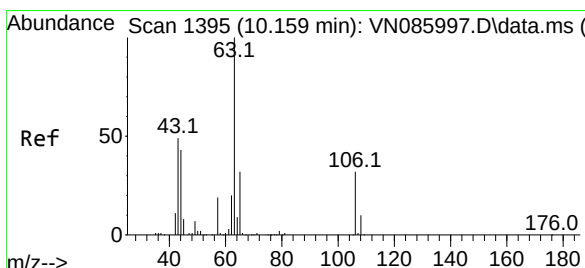
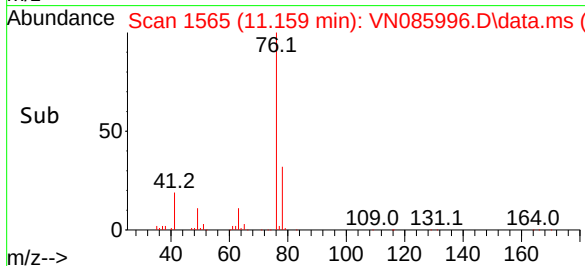
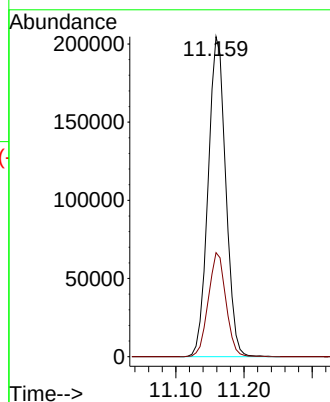
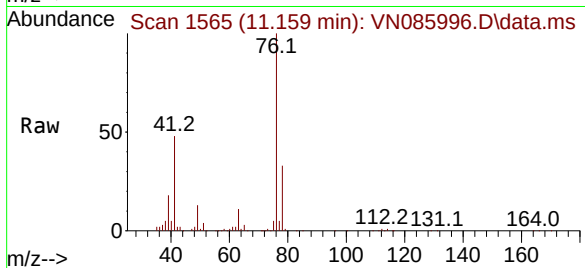
78 32.4 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 498.510 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085996.D

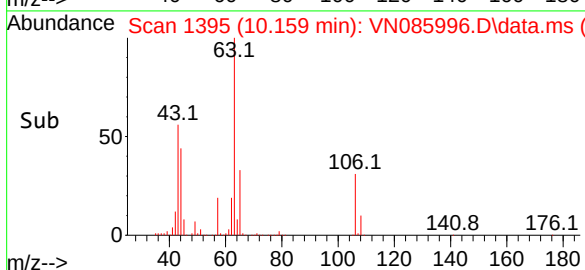
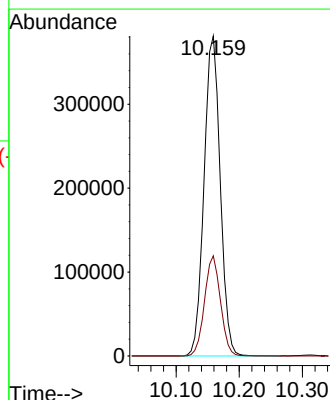
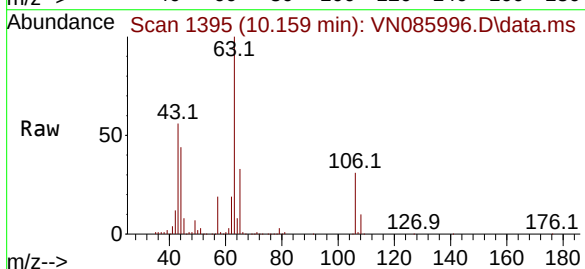
Acq: 18 Mar 2025 11:44

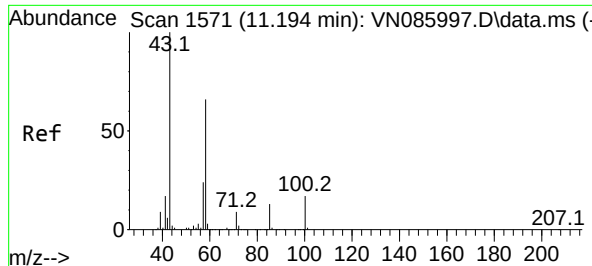
Tgt Ion: 63 Resp: 678829

Ion Ratio Lower Upper

63 100

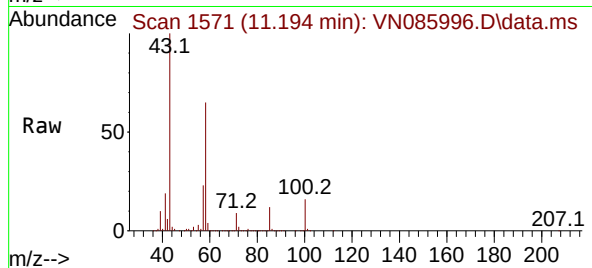
106 30.8 25.0 37.6





#59
2-Hexanone
Concen: 618.290 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

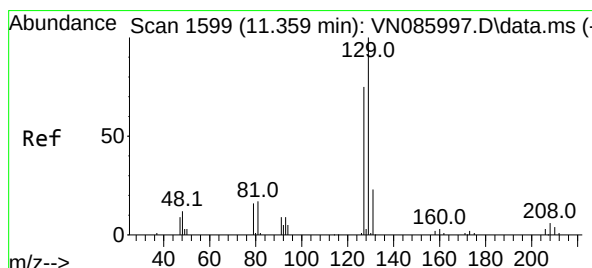
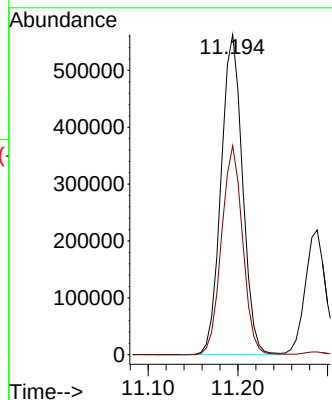
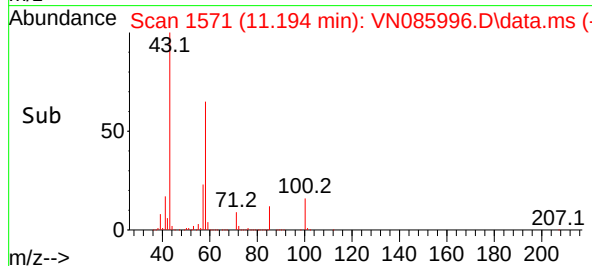
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 935328
Ion Ratio Lower Upper
43 100
58 64.2 32.4 97.2

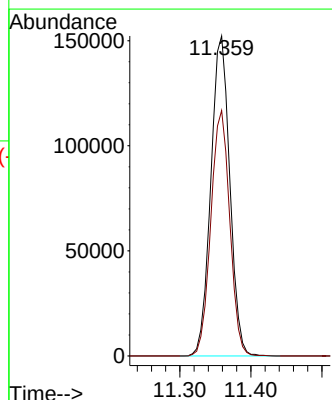
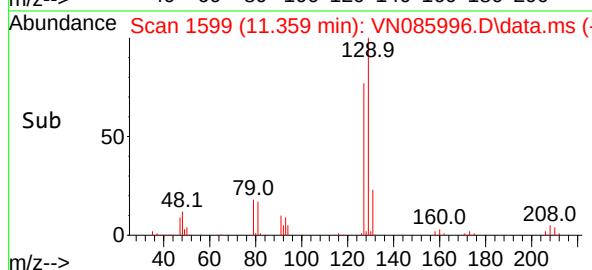
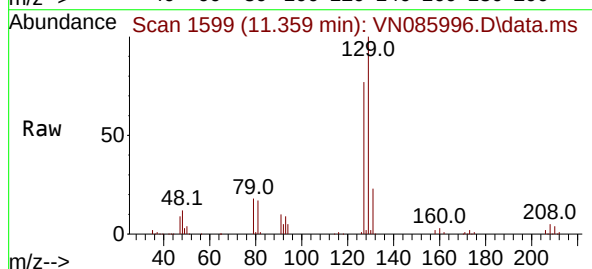
Manual Integrations
APPROVED

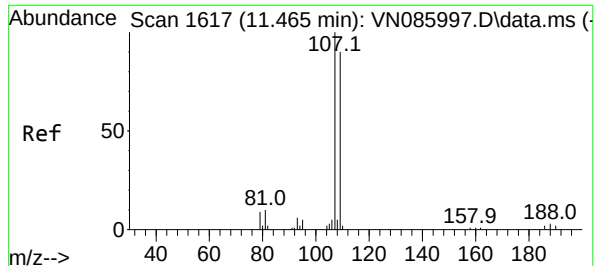
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#60
Dibromochloromethane
Concen: 115.239 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

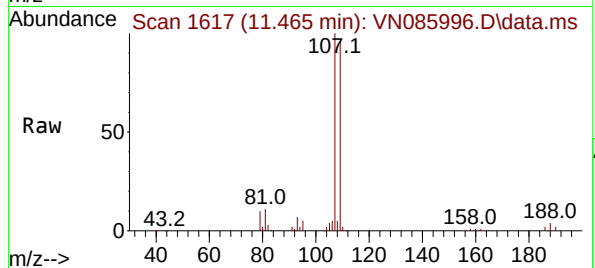
Tgt Ion:129 Resp: 281651
Ion Ratio Lower Upper
129 100
127 76.5 37.8 113.4





#61
1,2-Dibromoethane
Concen: 115.301 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

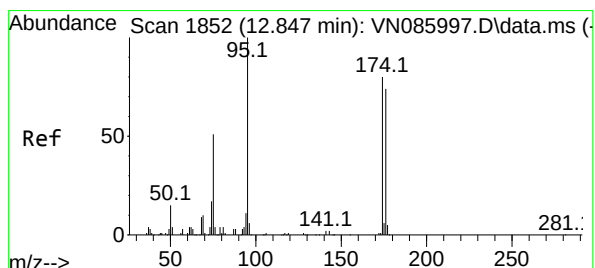
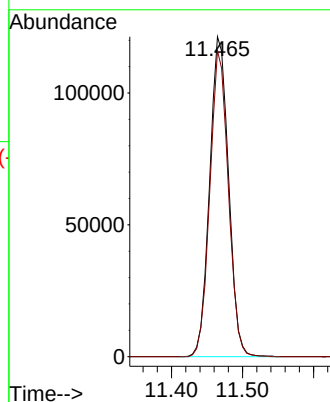
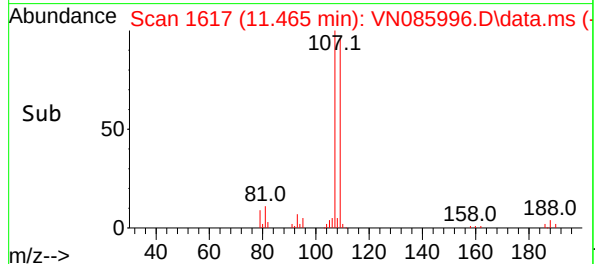
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:107 Resp: 224197
Ion Ratio Lower Upper
107 100
109 93.5 73.3 109.9

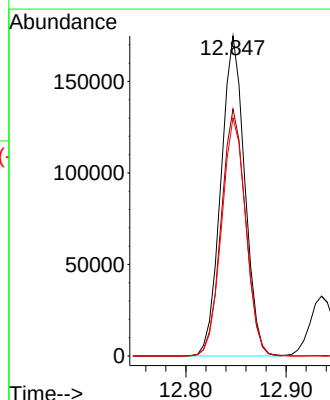
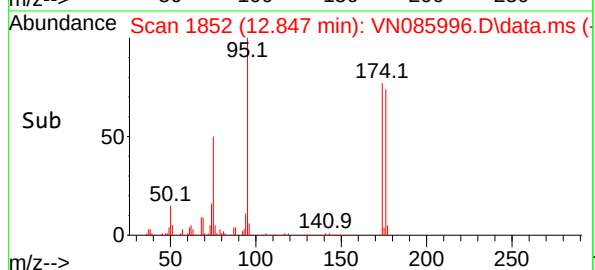
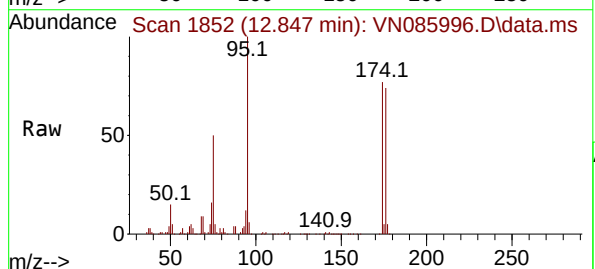
Manual Integrations
APPROVED

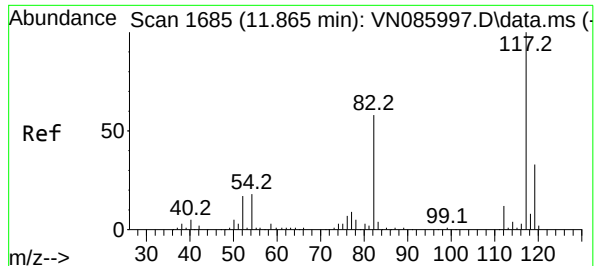
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 113.805 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 95 Resp: 288124
Ion Ratio Lower Upper
95 100
174 78.5 0.0 156.8
176 75.9 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:117 Resp: 267544

Ion Ratio Lower Upper

117 100

82 58.1 46.7 70.1

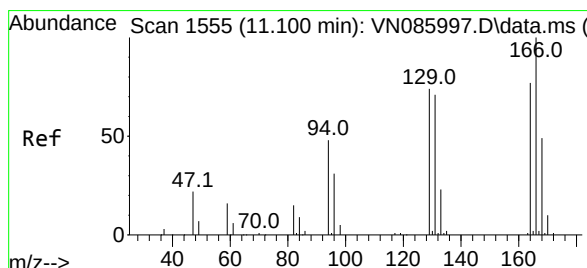
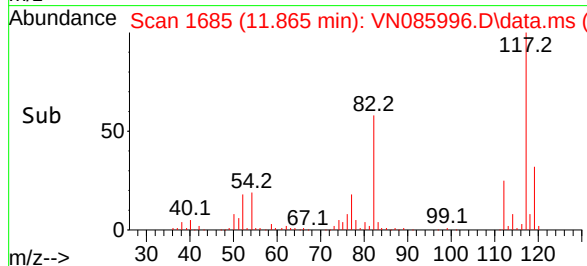
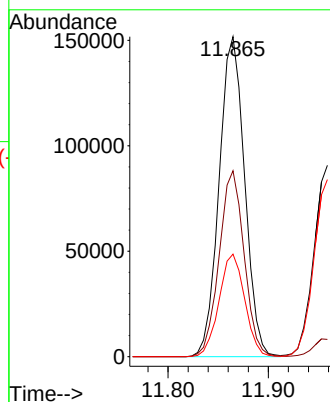
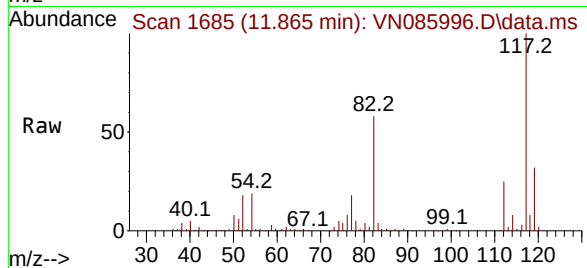
119 32.1 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#64

Tetrachloroethene

Concen: 102.122 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Tgt Ion:164 Resp: 217951

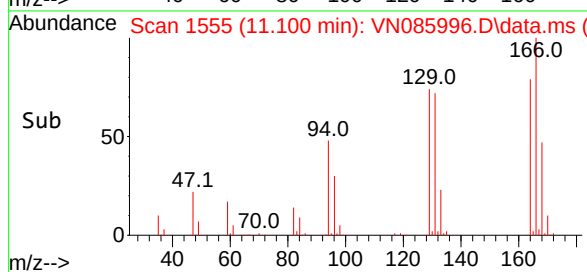
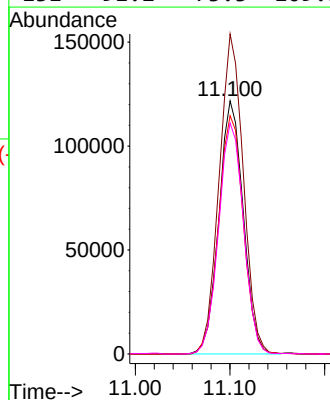
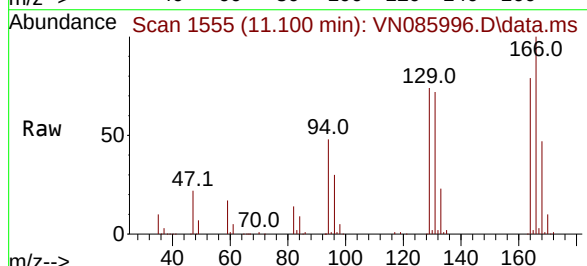
Ion Ratio Lower Upper

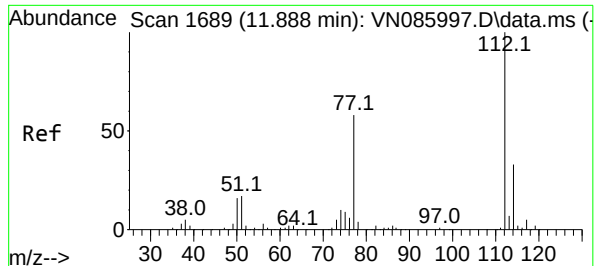
164 100

166 126.4 103.7 155.5

129 94.1 77.1 115.7

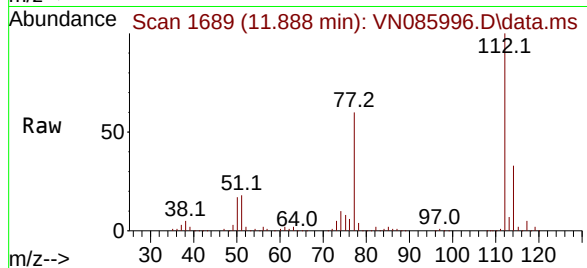
131 91.2 73.3 109.9





#65
Chlorobenzene
Concen: 107.422 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

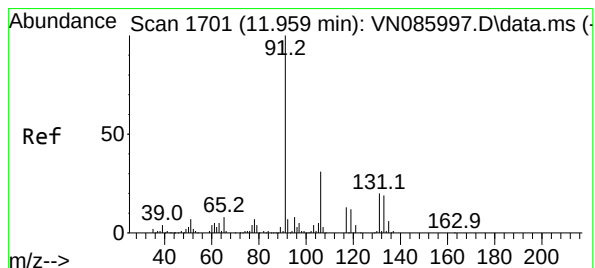
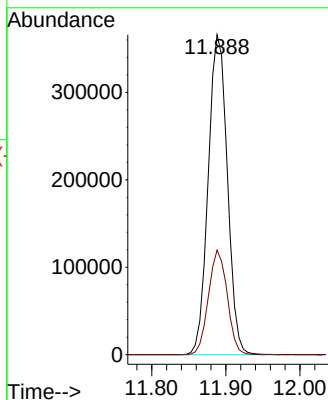
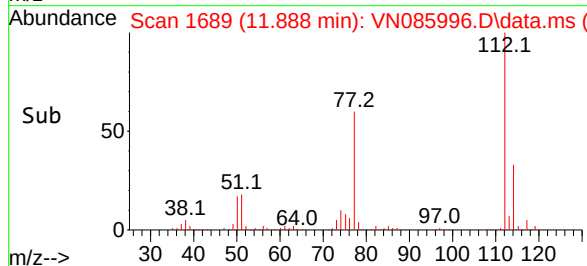
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:112 Resp: 65765
Ion Ratio Lower Upper
112 100
114 32.6 26.3 39.5

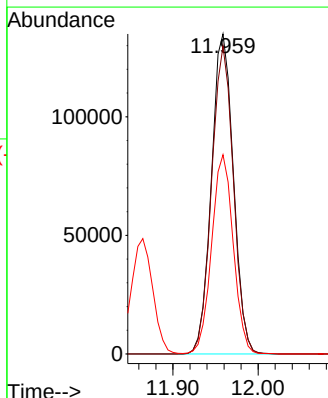
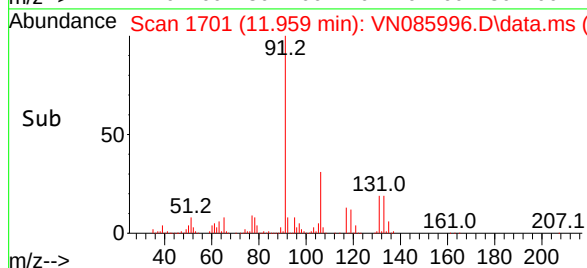
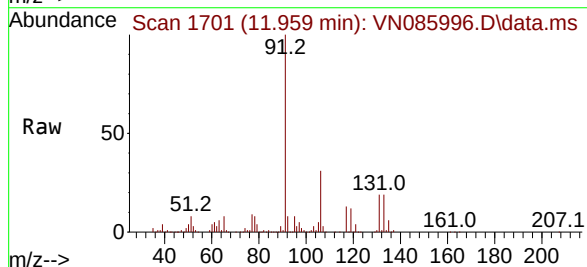
Manual Integrations
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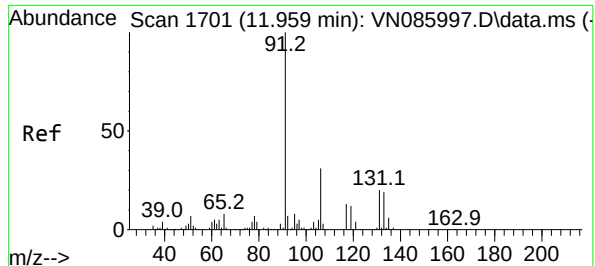
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 106.205 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion:131 Resp: 241702
Ion Ratio Lower Upper
131 100
133 95.5 47.0 141.0
119 61.4 31.4 94.0





#67

Ethyl Benzene

Concen: 120.702 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 118205

Ion Ratio Lower Upper

91 100

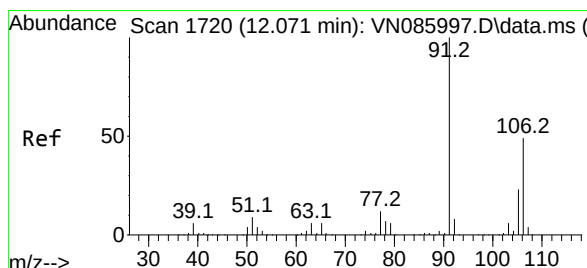
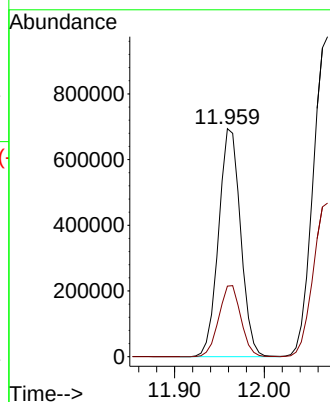
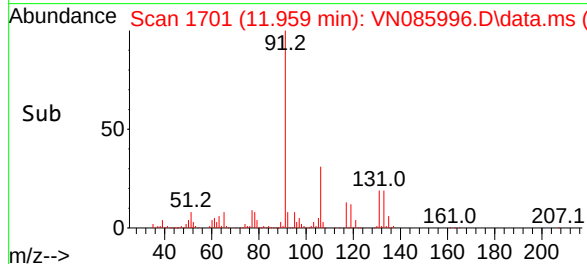
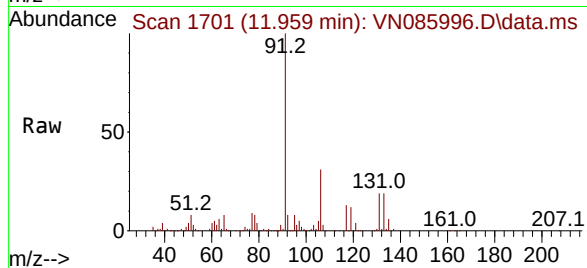
106 31.0 24.5 36.7

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#68

m/p-Xylenes

Concen: 240.977 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085996.D

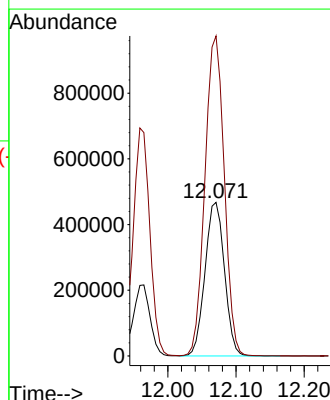
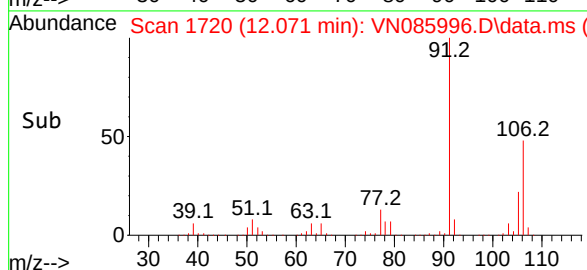
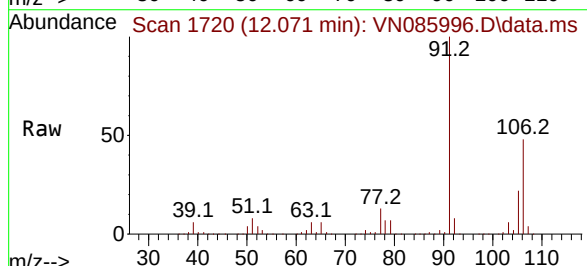
Acq: 18 Mar 2025 11:44

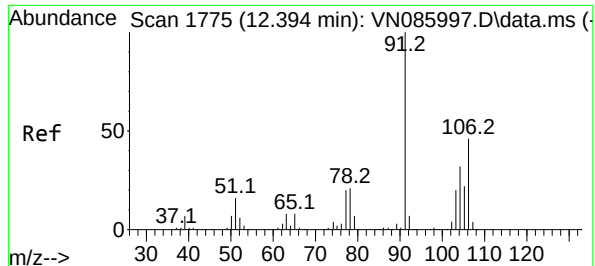
Tgt Ion:106 Resp: 927553

Ion Ratio Lower Upper

106 100

91 206.9 163.9 245.9





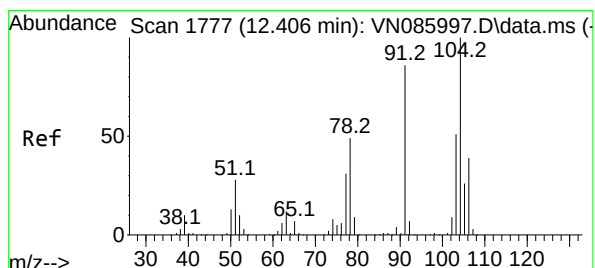
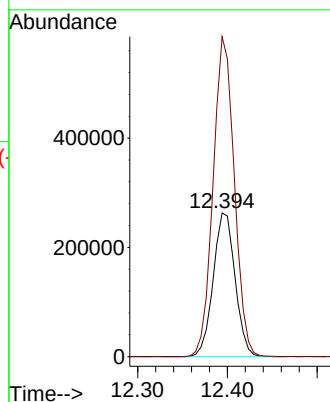
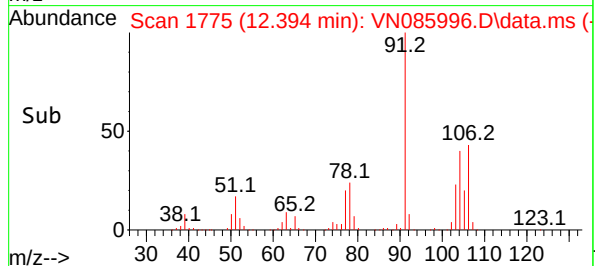
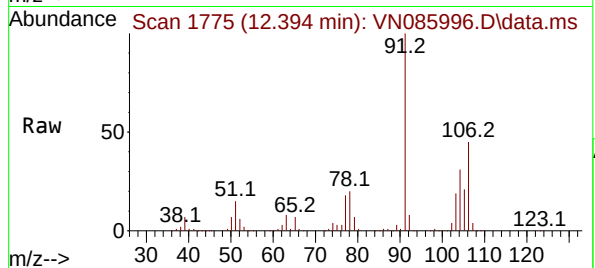
#69
o-Xylene
Concen: 125.926 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 444860
Ion Ratio Lower Upper
106 100
91 216.4 109.1 327.2

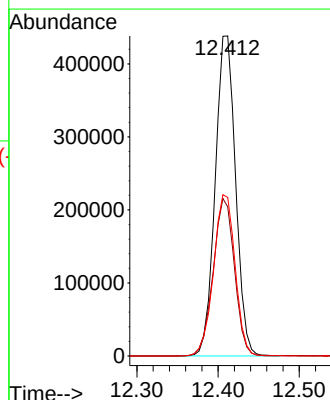
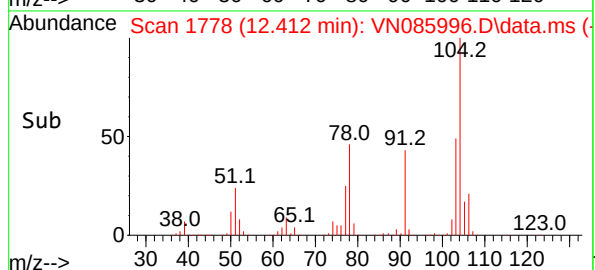
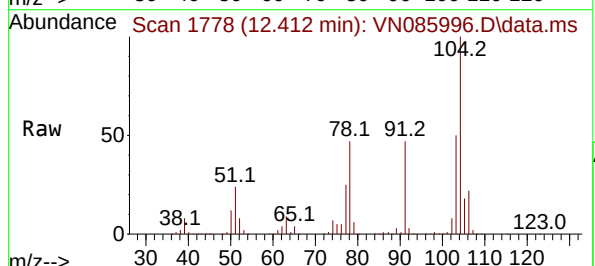
Manual Integrations
APPROVED

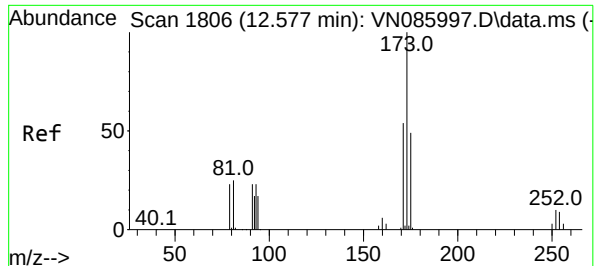
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#70
Styrene
Concen: 126.938 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

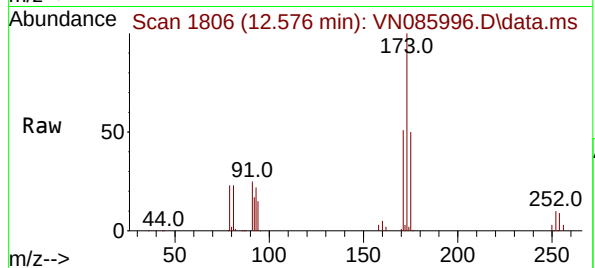
Tgt Ion:104 Resp: 765959
Ion Ratio Lower Upper
104 100
78 51.5 41.4 62.2
103 53.3 42.9 64.3





#71
Bromoform
Concen: 110.191 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

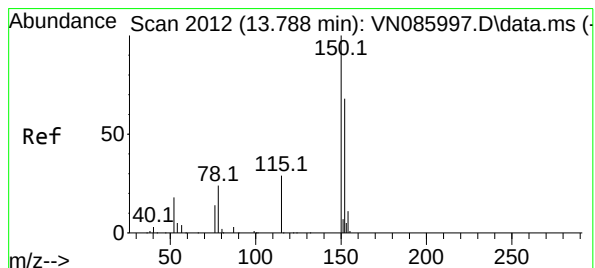
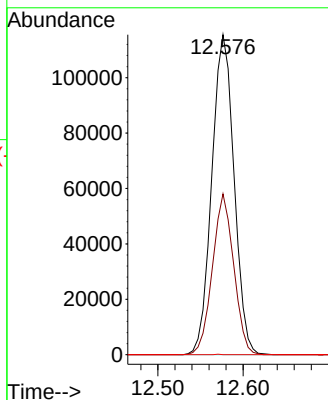
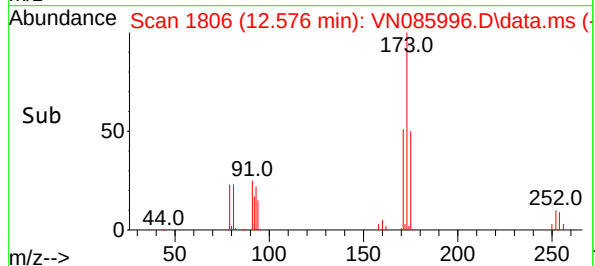
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:173 Resp: 20963
Ion Ratio Lower Upper
173 100
175 47.9 24.3 73.0
254 0.0 0.0 0.0

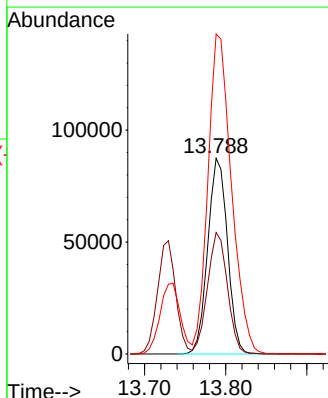
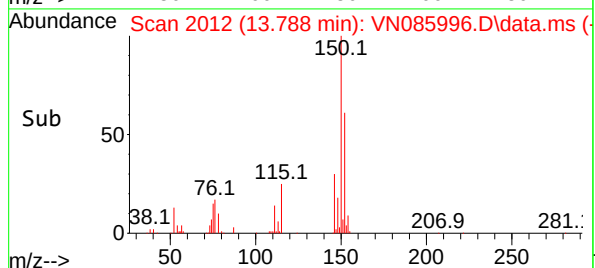
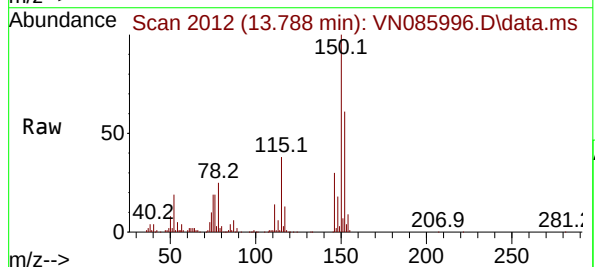
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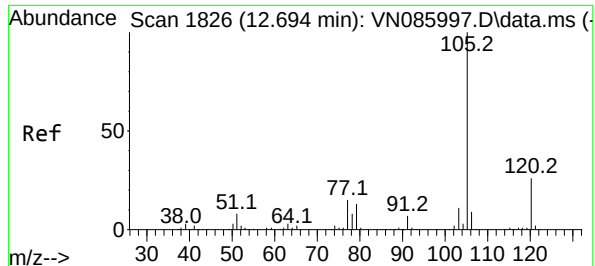
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion:152 Resp: 147510
Ion Ratio Lower Upper
152 100
115 62.6 31.1 93.2
150 194.7 0.0 359.6





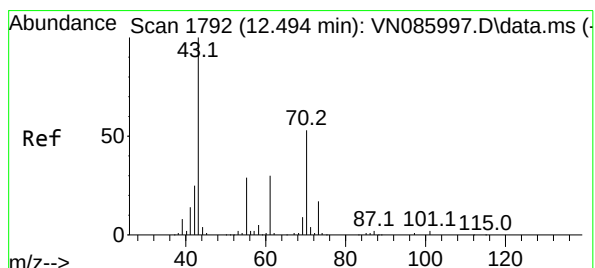
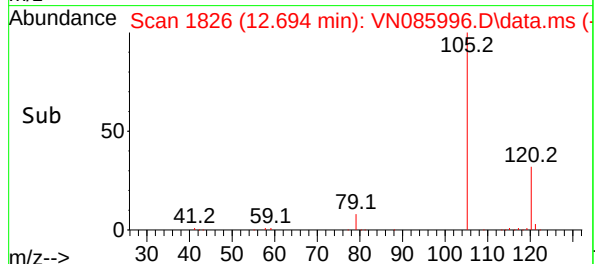
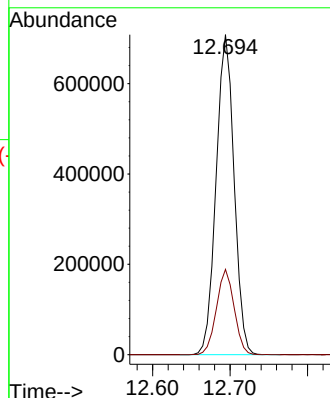
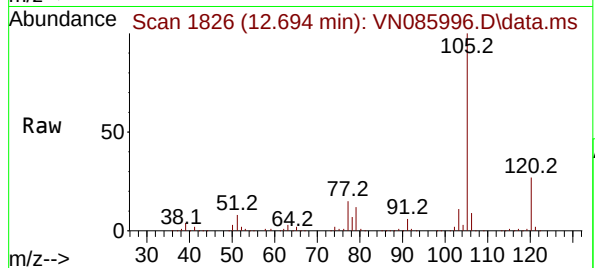
#73
Isopropylbenzene
Concen: 113.143 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1139710
Ion Ratio Lower Upper
105 100
120 26.2 13.0 39.0

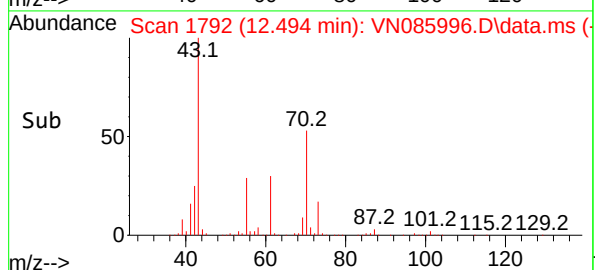
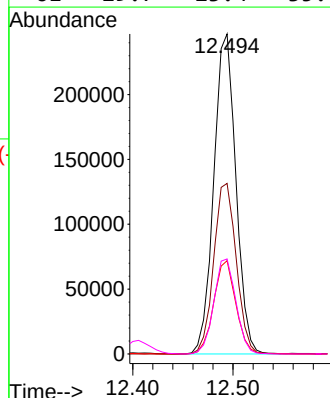
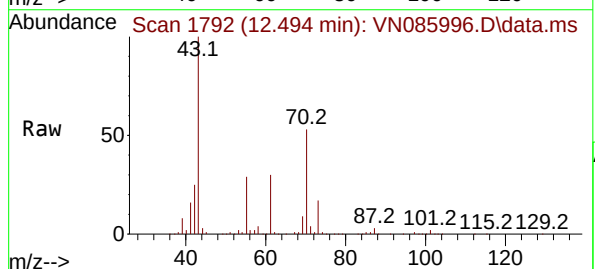
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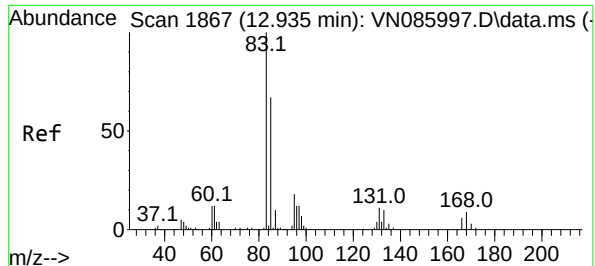
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#74
N-ethyl acetate
Concen: 111.912 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 43 Resp: 377161
Ion Ratio Lower Upper
43 100
70 54.5 43.0 64.4
55 29.3 23.8 35.8
61 29.7 23.4 35.0





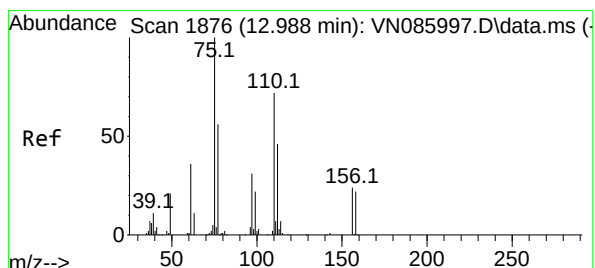
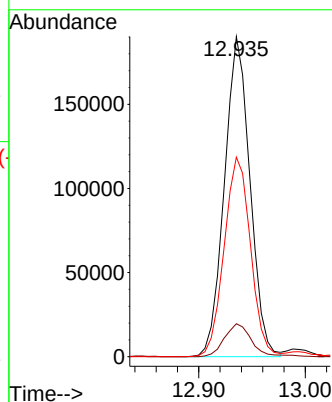
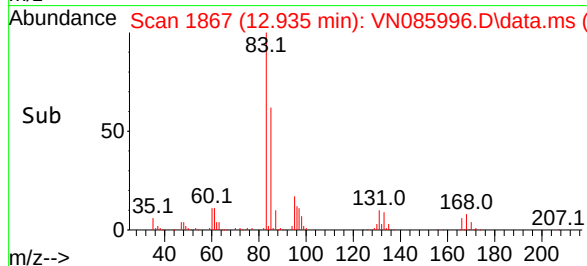
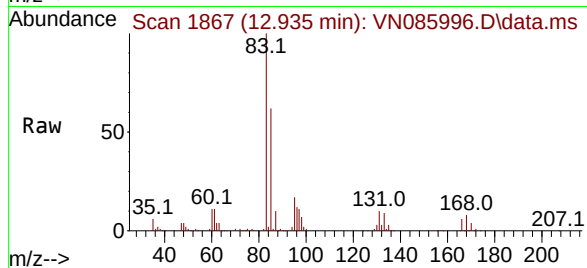
#75
1,1,2,2-Tetrachloroethane
Concen: 93.117 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 317335
Ion Ratio Lower Upper
83 100
131 11.0 5.5 16.5
85 64.2 32.6 97.8

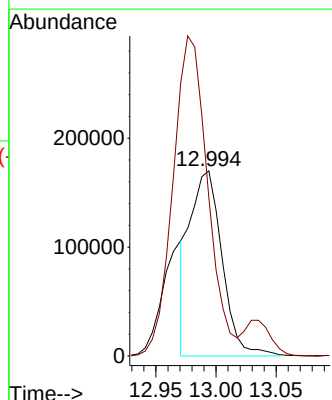
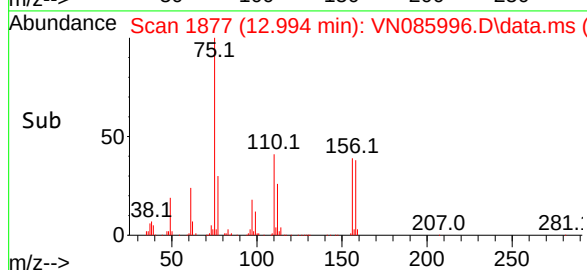
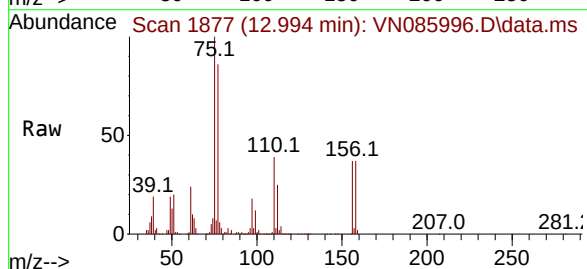
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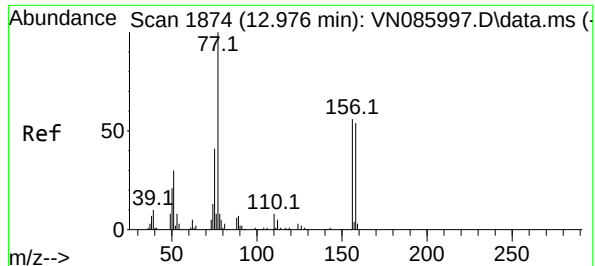
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 93.831 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

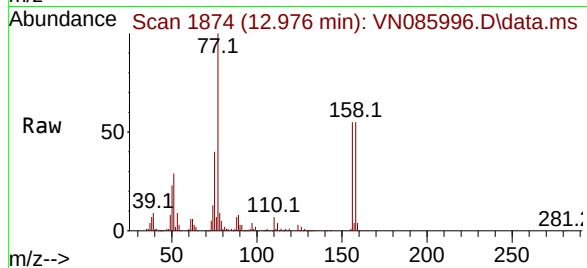
Tgt Ion: 75 Resp: 315551
Ion Ratio Lower Upper
75 100
77 187.0 83.7 251.0





#77
Bromobenzene
Concen: 101.270 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

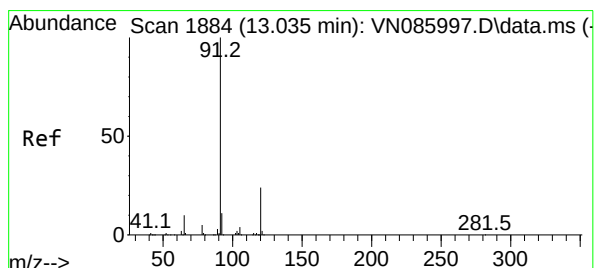
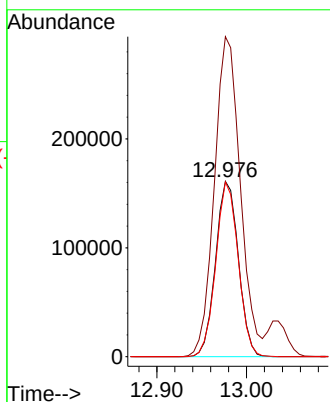
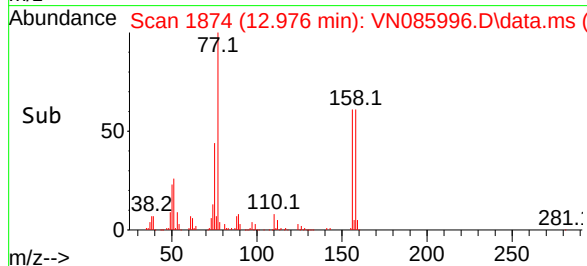
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:156 Resp: 284449
Ion Ratio Lower Upper
156 100
77 207.4 104.1 312.3
158 97.7 49.0 147.0

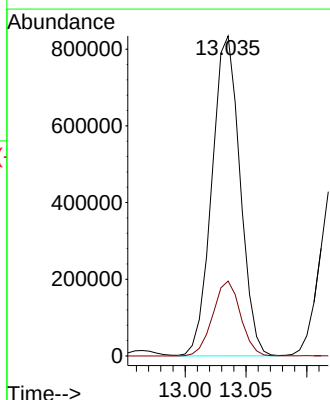
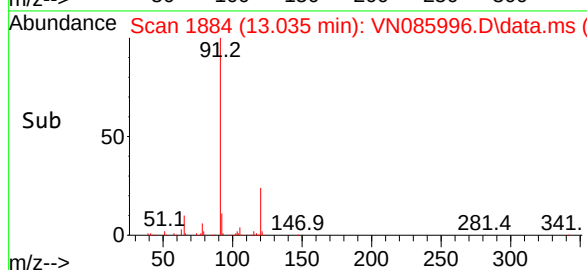
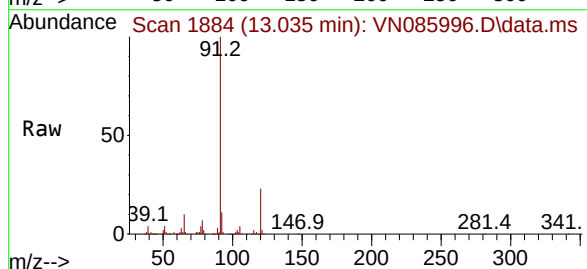
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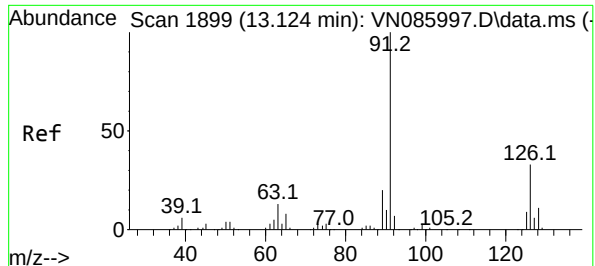
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#78
n-propylbenzene
Concen: 117.577 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 91 Resp: 1341141
Ion Ratio Lower Upper
91 100
120 23.1 11.7 35.0





#79

2-Chlorotoluene

Concen: 109.823 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 832060

Ion Ratio Lower Upper

91 100

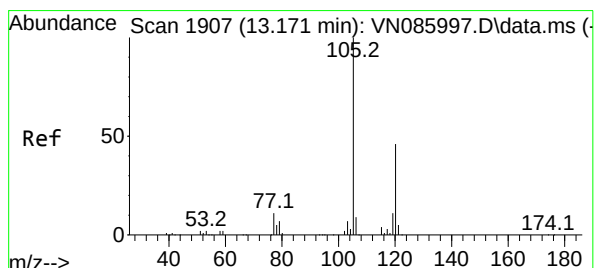
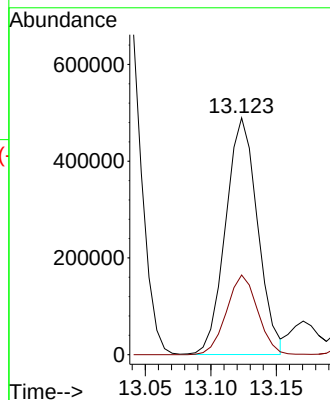
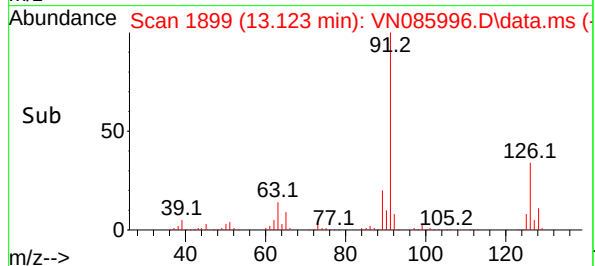
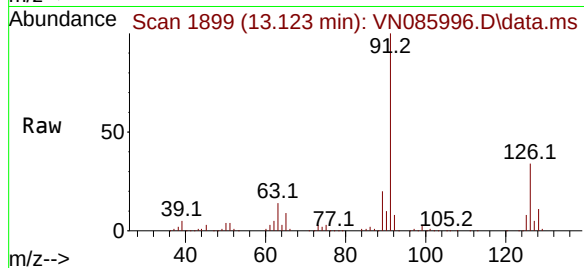
126 32.8 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 117.902 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085996.D

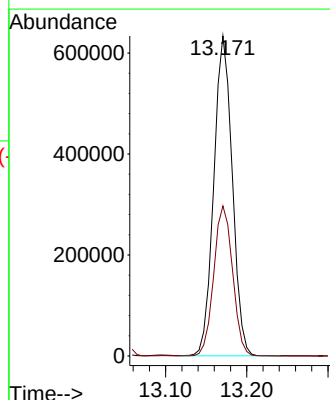
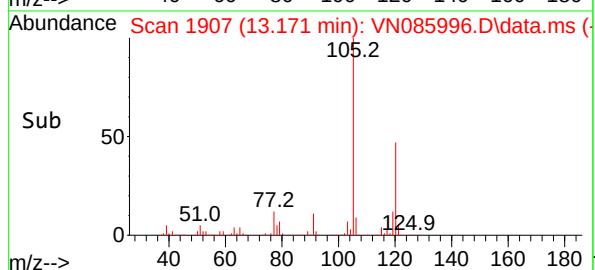
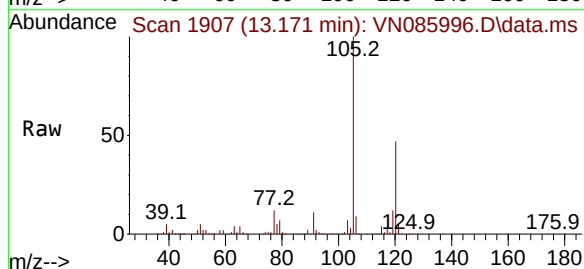
Acq: 18 Mar 2025 11:44

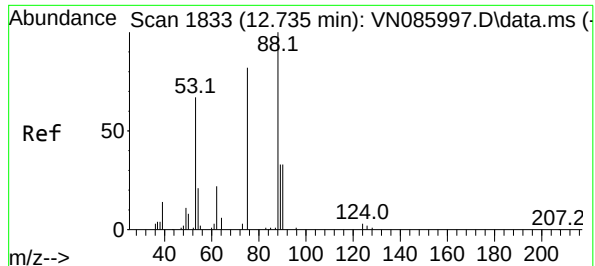
Tgt Ion:105 Resp: 1002727

Ion Ratio Lower Upper

105 100

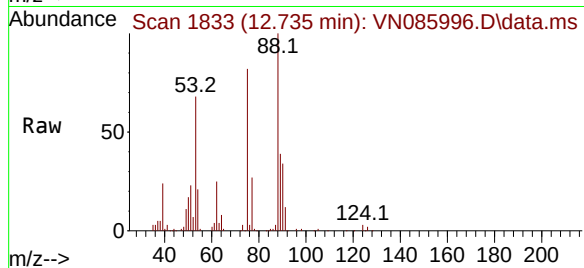
120 47.8 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 114.684 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

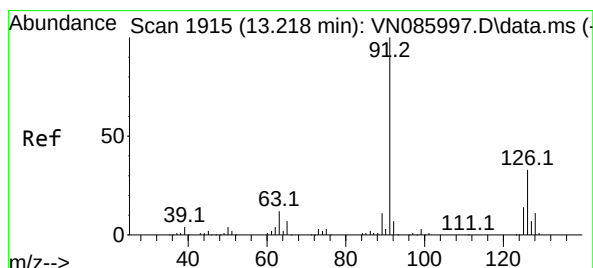
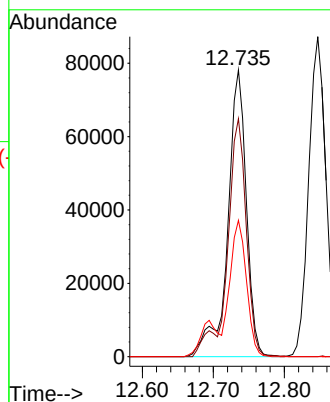
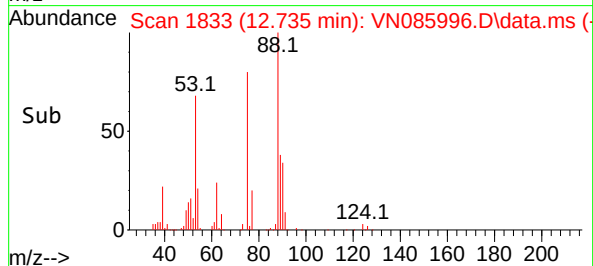
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 143254
Ion Ratio Lower Upper
75 100
53 83.3 66.0 99.0
89 41.6 36.9 55.3

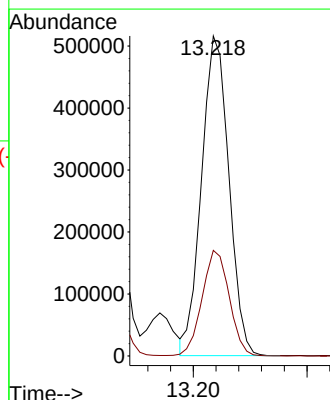
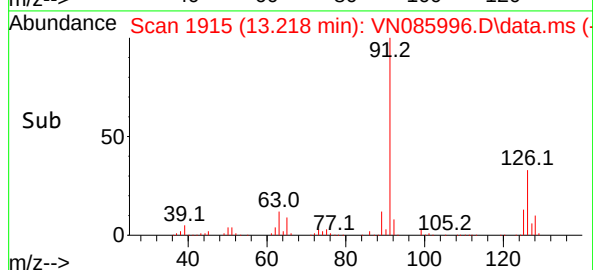
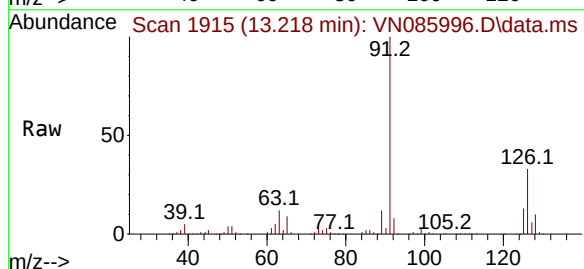
Manual Integrations
APPROVED

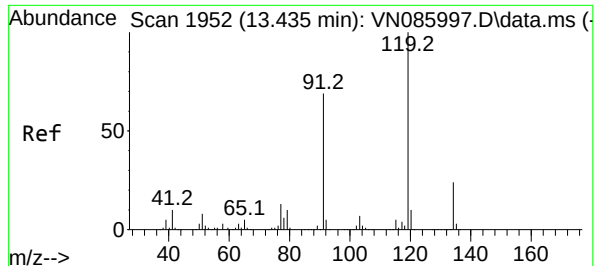
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 110.605 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 91 Resp: 861737
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.2





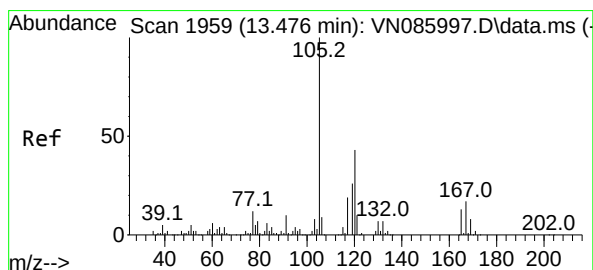
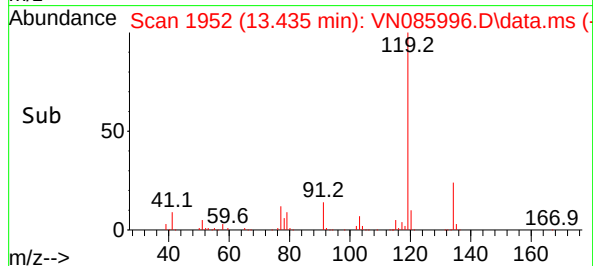
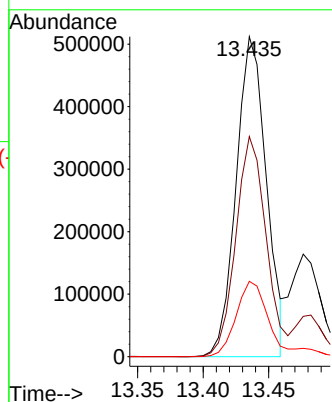
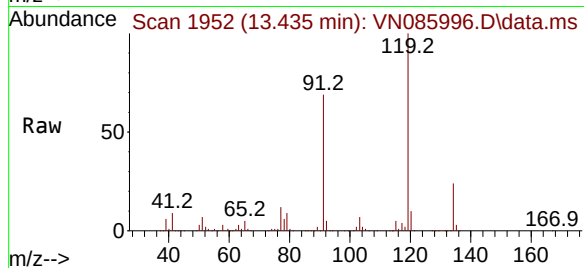
#83
tert-Butylbenzene
Concen: 112.824 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 82065
Ion Ratio Lower Upper
119 100
91 69.4 34.3 102.9
134 26.4 13.5 40.5

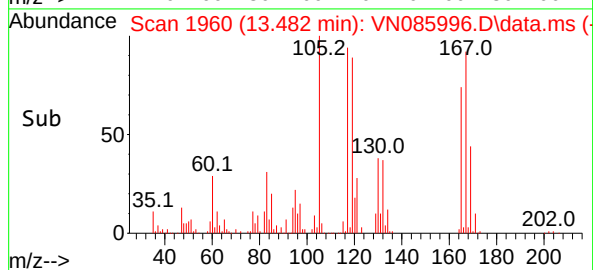
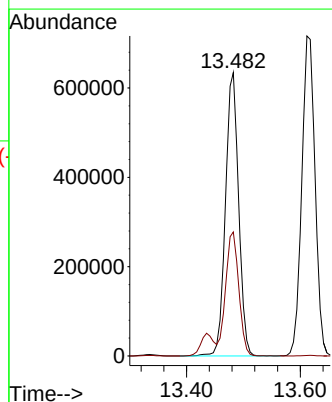
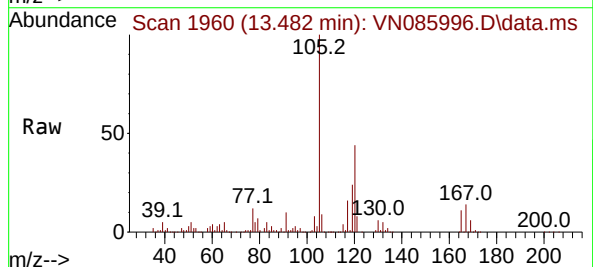
Manual Integrations
APPROVED

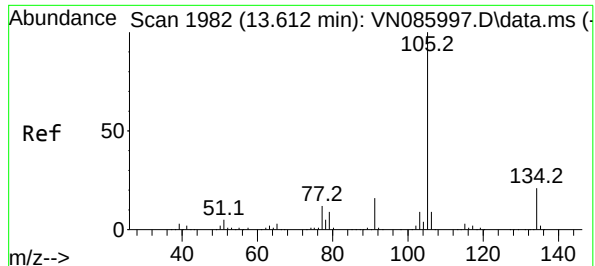
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 119.410 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

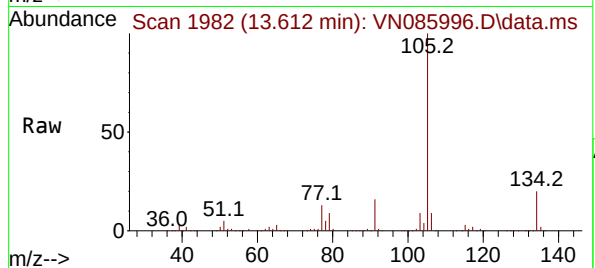
Tgt Ion:105 Resp: 1024294
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.8





#85
sec-Butylbenzene
Concen: 122.266 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

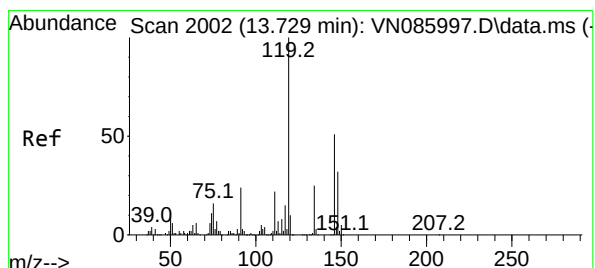
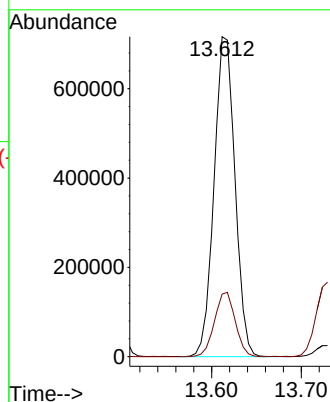
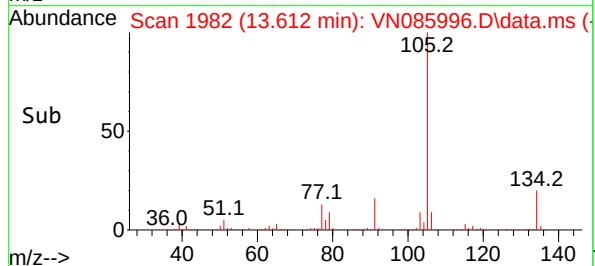
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 116016
Ion Ratio Lower Upper
105 100
134 19.9 10.1 30.1

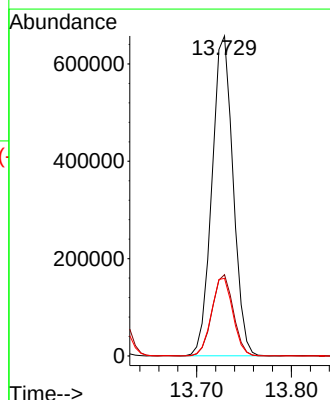
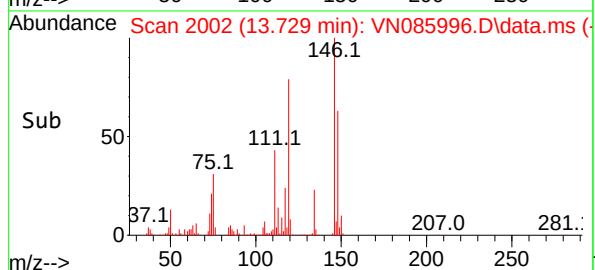
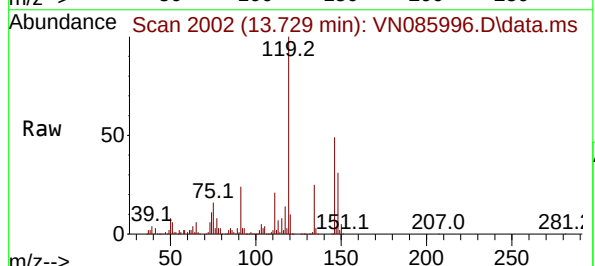
Manual Integrations
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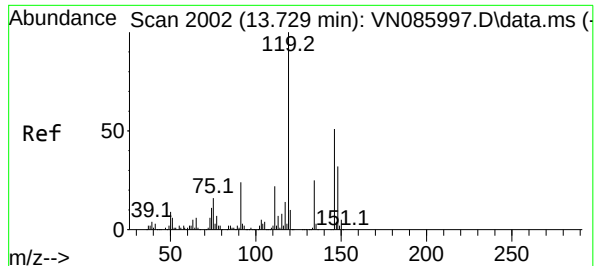
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#86
p-Isopropyltoluene
Concen: 126.470 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion:119 Resp: 1015859
Ion Ratio Lower Upper
119 100
134 25.6 12.6 37.8
91 24.6 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 107.364 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 543572

Ion Ratio Lower Upper

146 100

111 42.2 21.2 63.6

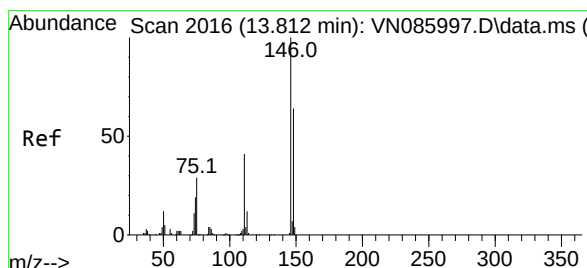
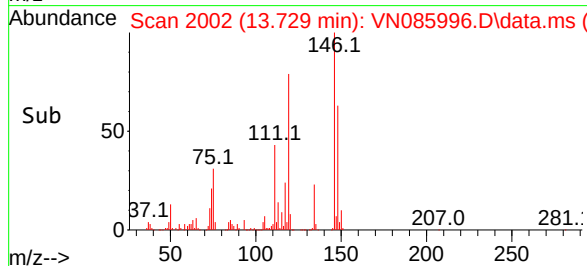
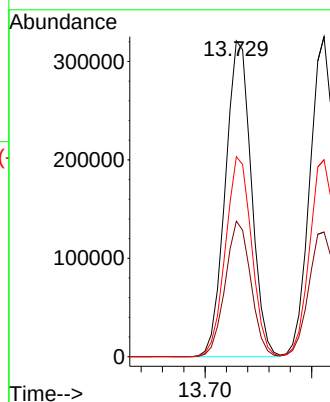
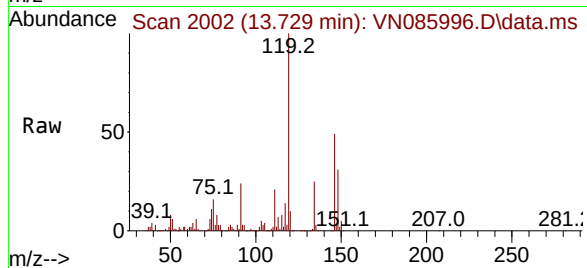
148 63.6 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 101.234 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

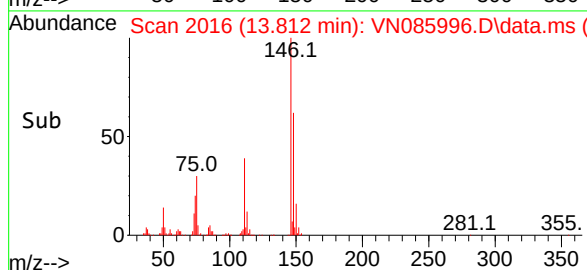
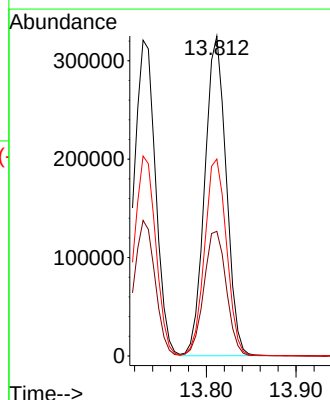
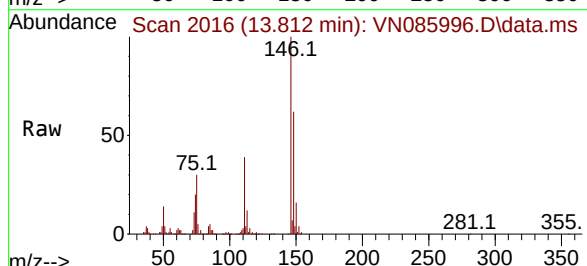
Tgt Ion:146 Resp: 538505

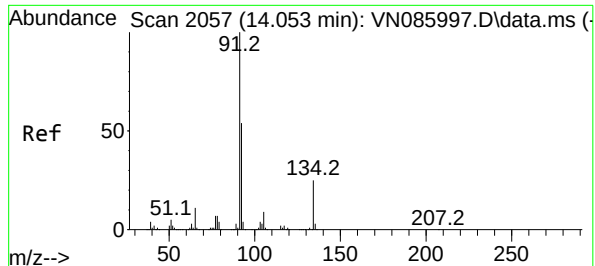
Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.3

148 63.2 32.1 96.5





#89

n-Butylbenzene

Concen: 129.699 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 84836

Ion Ratio Lower Upper

91 100

92 53.7 26.9 80.6

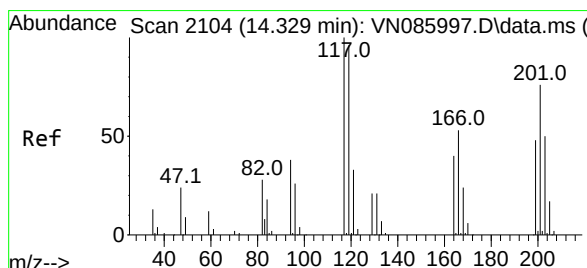
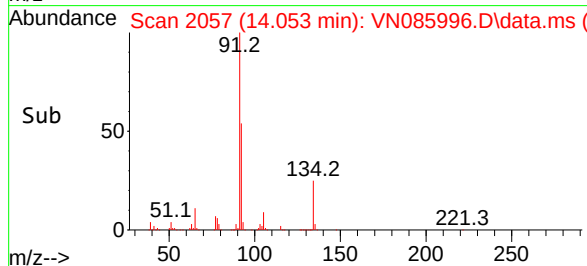
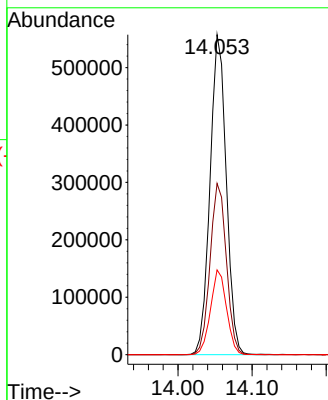
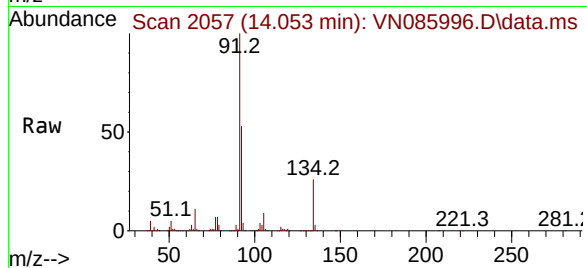
134 26.1 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 101.383 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN085996.D

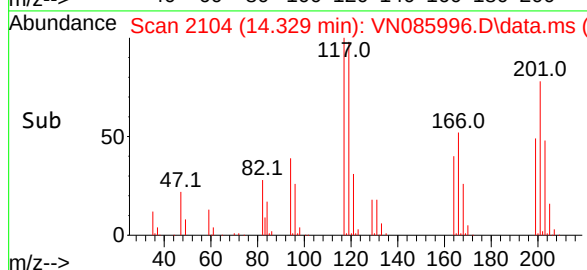
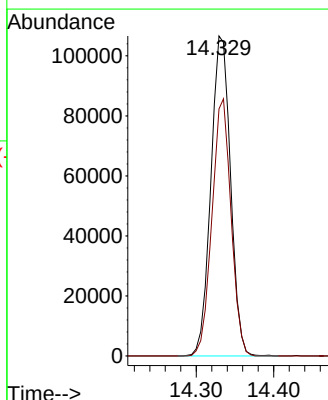
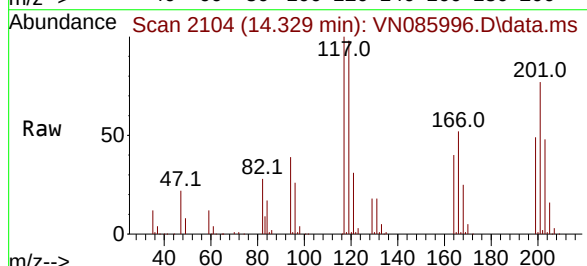
Acq: 18 Mar 2025 11:44

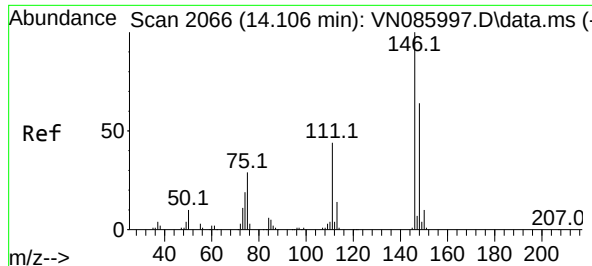
Tgt Ion:117 Resp: 187906

Ion Ratio Lower Upper

117 100

201 77.9 39.1 117.3





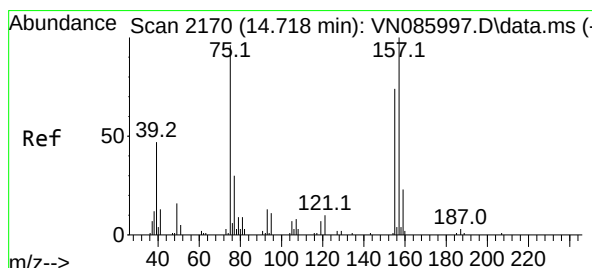
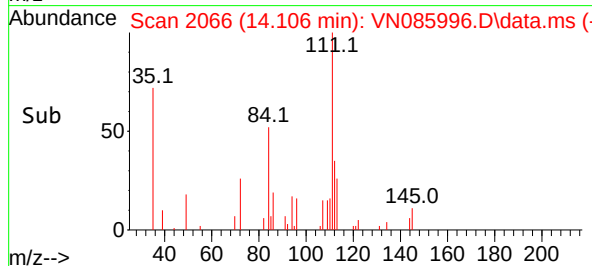
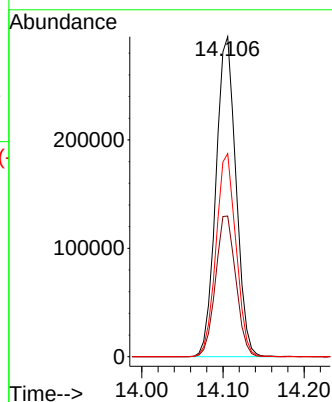
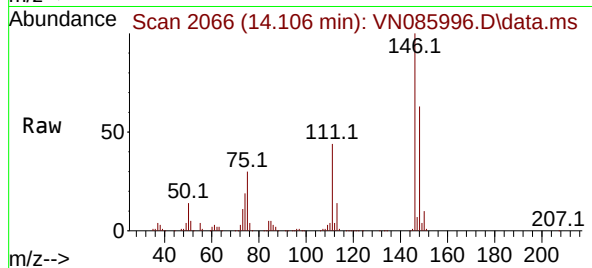
#91
1,2-Dichlorobenzene
Concen: 100.605 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 506350
Ion Ratio Lower Upper
146 100
111 44.5 22.3 66.8
148 63.2 32.1 96.5

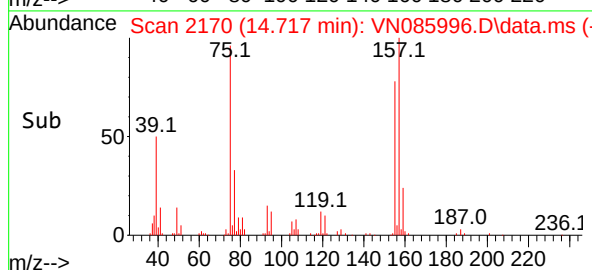
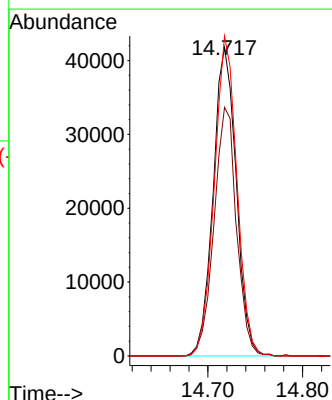
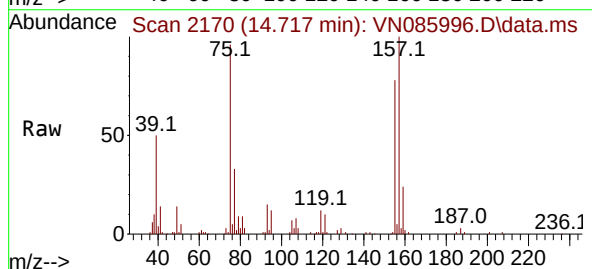
Manual Integrations
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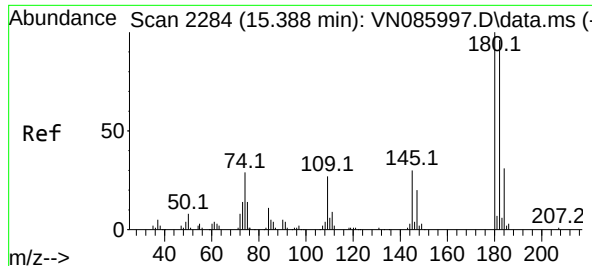
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 103.948 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 75 Resp: 70713
Ion Ratio Lower Upper
75 100
155 78.6 41.0 123.0
157 101.5 53.7 161.1





#93

1,2,4-Trichlorobenzene

Concen: 111.025 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:180 Resp: 28097

Ion Ratio Lower Upper

180 100

182 94.8 47.0 141.0

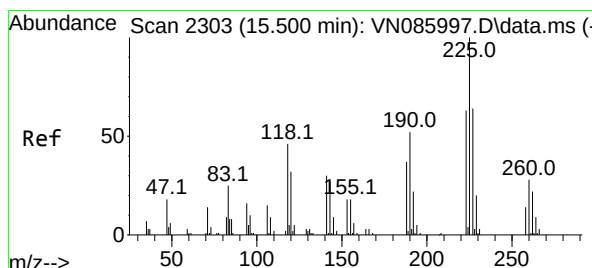
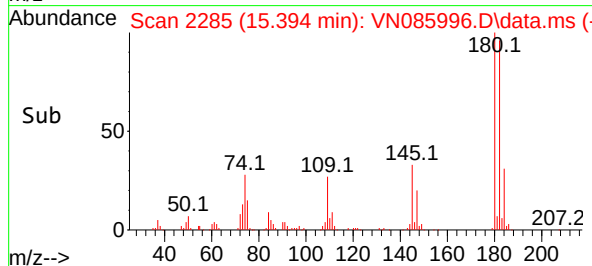
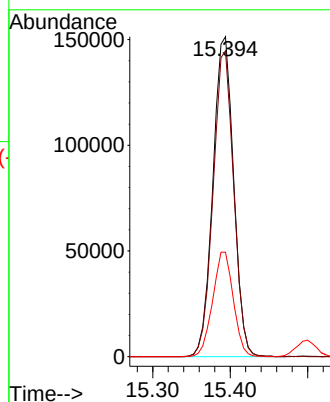
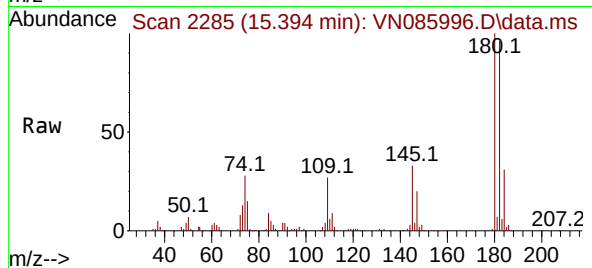
145 32.6 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 98.130 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

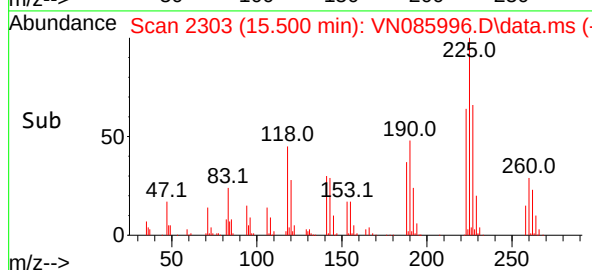
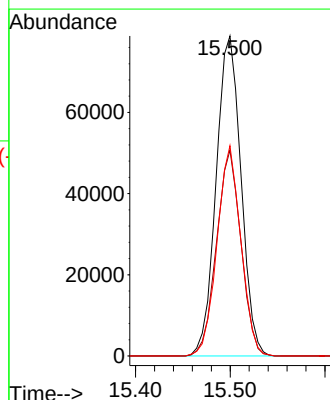
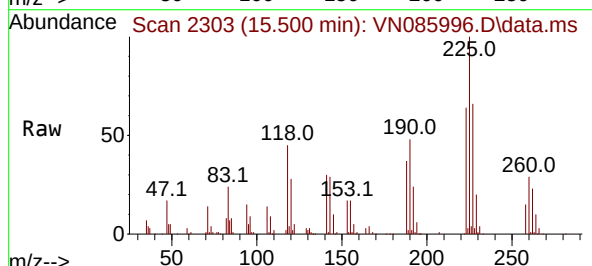
Tgt Ion:225 Resp: 144077

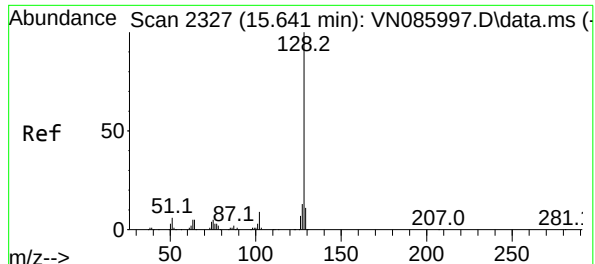
Ion Ratio Lower Upper

225 100

223 63.0 31.3 93.9

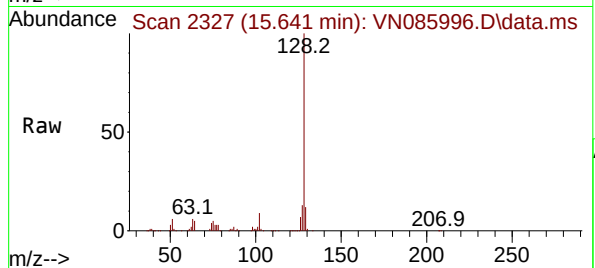
227 62.8 32.1 96.3





#95
Naphthalene
Concen: 115.132 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

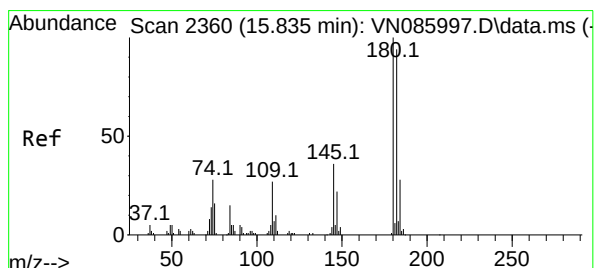
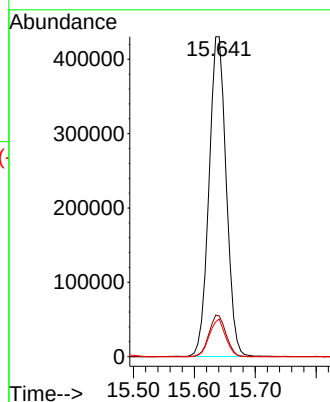
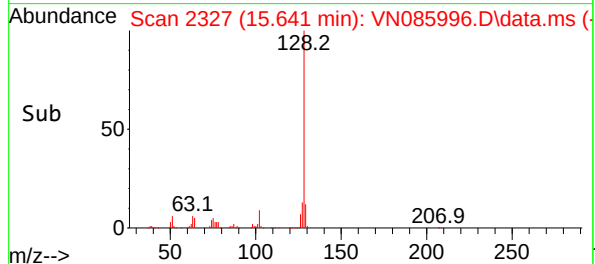
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:128 Resp: 84369
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.1 9.0 13.6

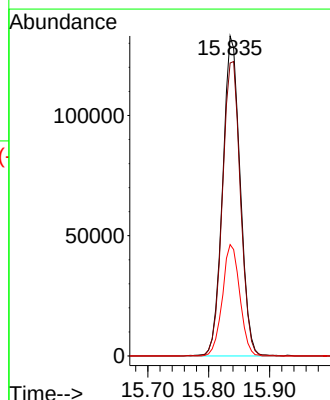
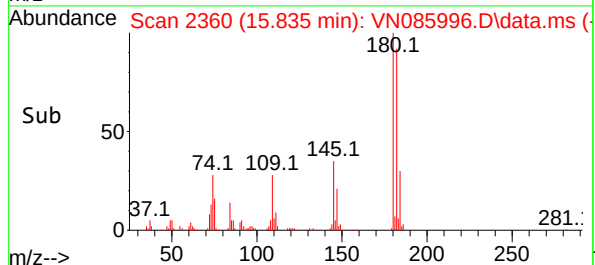
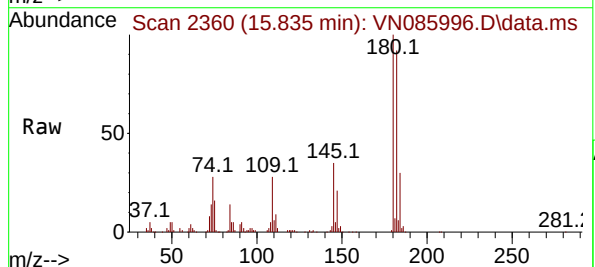
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 110.600 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion:180 Resp: 265586
Ion Ratio Lower Upper
180 100
182 94.7 47.5 142.5
145 34.6 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085997.D
 Acq On : 18 Mar 2025 12:08
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	191040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127029	48.559	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.120%		
35) Dibromofluoromethane	8.165	113	101590	47.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.820%		
50) Toluene-d8	10.565	98	384569	49.972	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.940%		
62) 4-Bromofluorobenzene	12.847	95	141464	51.544	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	122875	48.549	ug/l	100
3) Chloromethane	2.360	50	106345	47.928	ug/l	100
4) Vinyl Chloride	2.507	62	113163	49.880	ug/l	100
5) Bromomethane	2.942	94	72791	47.103	ug/l	100
6) Chloroethane	3.112	64	63077	44.072	ug/l	100
7) Trichlorofluoromethane	3.489	101	186678	45.774	ug/l	100
8) Diethyl Ether	3.959	74	61984	49.647	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	98361	45.380	ug/l	100
10) Methyl Iodide	4.583	142	139044	49.232	ug/l	100
11) Tert butyl alcohol	5.524	59	90032	243.082	ug/l	100
12) 1,1-Dichloroethene	4.336	96	98583	50.369	ug/l	100
13) Acrolein	4.177	56	95299	241.241	ug/l	100
14) Allyl chloride	5.018	41	117849	48.265	ug/l	100
15) Acrylonitrile	5.718	53	236614	241.896	ug/l	100
16) Acetone	4.424	43	185613	232.246	ug/l	100
17) Carbon Disulfide	4.706	76	288424	44.810	ug/l	100
18) Methyl Acetate	5.024	43	89551	45.288	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	323093	50.377	ug/l	100
20) Methylene Chloride	5.271	84	107918	46.158	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	101963	47.670	ug/l	100
22) Diisopropyl ether	6.671	45	263272	50.597	ug/l	100
23) Vinyl Acetate	6.600	43	1019460	258.439	ug/l	100
24) 1,1-Dichloroethane	6.565	63	181215	47.361	ug/l	100
25) 2-Butanone	7.483	43	278702	241.675	ug/l	100
26) 2,2-Dichloropropane	7.489	77	176949	48.036	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	120874	49.730	ug/l	100
28) Bromochloromethane	7.806	49	74679	46.067	ug/l	100
29) Tetrahydrofuran	7.836	42	185207	260.140	ug/l	100
30) Chloroform	7.965	83	194324	45.948	ug/l	100
31) Cyclohexane	8.253	56	152647	46.831	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	188288	47.032	ug/l	100
36) 1,1-Dichloropropene	8.365	75	137990	49.422	ug/l	100
37) Ethyl Acetate	7.559	43	111535	47.350	ug/l	100
38) Carbon Tetrachloride	8.359	117	175652	47.847	ug/l	100
39) Methylcyclohexane	9.600	83	144397	52.126	ug/l	100
40) Benzene	8.606	78	423071	48.268	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085997.D
 Acq On : 18 Mar 2025 12:08
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	58596	52.096	ug/l	100
42) 1,2-Dichloroethane	8.671	62	144354	47.265	ug/l	100
43) Isopropyl Acetate	8.683	43	208926m	40.845	ug/l	
44) Trichloroethene	9.347	130	105089	46.260	ug/l	100
45) 1,2-Dichloropropane	9.618	63	97398	48.856	ug/l	100
46) Dibromomethane	9.706	93	73743	47.036	ug/l	100
47) Bromodichloromethane	9.883	83	156908	47.887	ug/l	100
48) Methyl methacrylate	9.677	41	87911	52.192	ug/l	100
49) 1,4-Dioxane	9.694	88	41818	1050.235	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	584167	259.501	ug/l	100
52) Toluene	10.630	92	277914	51.661	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	163659	51.430	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	172456	51.366	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	99259	48.343	ug/l	100
56) Ethyl methacrylate	10.871	69	159926	49.943	ug/l	100
57) 1,3-Dichloropropane	11.159	76	172224	49.385	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	323306	261.262	ug/l	100
59) 2-Hexanone	11.194	43	431923	263.380	ug/l	100
60) Dibromochloromethane	11.359	129	131303	49.558	ug/l	100
61) 1,2-Dibromoethane	11.465	107	106539	50.543	ug/l	100
64) Tetrachloroethene	11.100	164	101407	46.478	ug/l	100
65) Chlorobenzene	11.888	112	296813	47.424	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	111333	47.853	ug/l	100
67) Ethyl Benzene	11.959	91	524655	52.405	ug/l	100
68) m/p-Xylenes	12.071	106	413470	105.075	ug/l	100
69) o-Xylene	12.394	106	195107	54.023	ug/l	100
70) Styrene	12.406	104	333544	54.070	ug/l	100
71) Bromoform	12.577	173	94268	48.469	ug/l #	100
73) Isopropylbenzene	12.694	105	496368	52.708	ug/l	100
74) N-amyl acetate	12.494	43	168199	53.384	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	145034	45.522	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	159517m	50.737	ug/l	
77) Bromobenzene	12.976	156	125436	47.769	ug/l	100
78) n-propylbenzene	13.035	91	576797	54.089	ug/l	100
79) 2-Chlorotoluene	13.124	91	361320	51.012	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	430051	54.088	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	57082	48.881	ug/l	100
82) 4-Chlorotoluene	13.218	91	371739	51.036	ug/l	100
83) tert-Butylbenzene	13.435	119	351295	51.660	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	431645	53.825	ug/l	100
85) sec-Butylbenzene	13.612	105	484551	54.622	ug/l	100
86) p-Isopropyltoluene	13.729	119	418830	55.774	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	232357	49.090	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	229820	46.213	ug/l	100
89) n-Butylbenzene	14.053	91	334309	54.669	ug/l	100
90) Hexachloroethane	14.329	117	80312	46.350	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	220326	46.825	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	30533	48.010	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	117285	49.573	ug/l	100
94) Hexachlorobutadiene	15.500	225	60983	44.428	ug/l	100
95) Naphthalene	15.641	128	359331	52.451	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	114262	50.897	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

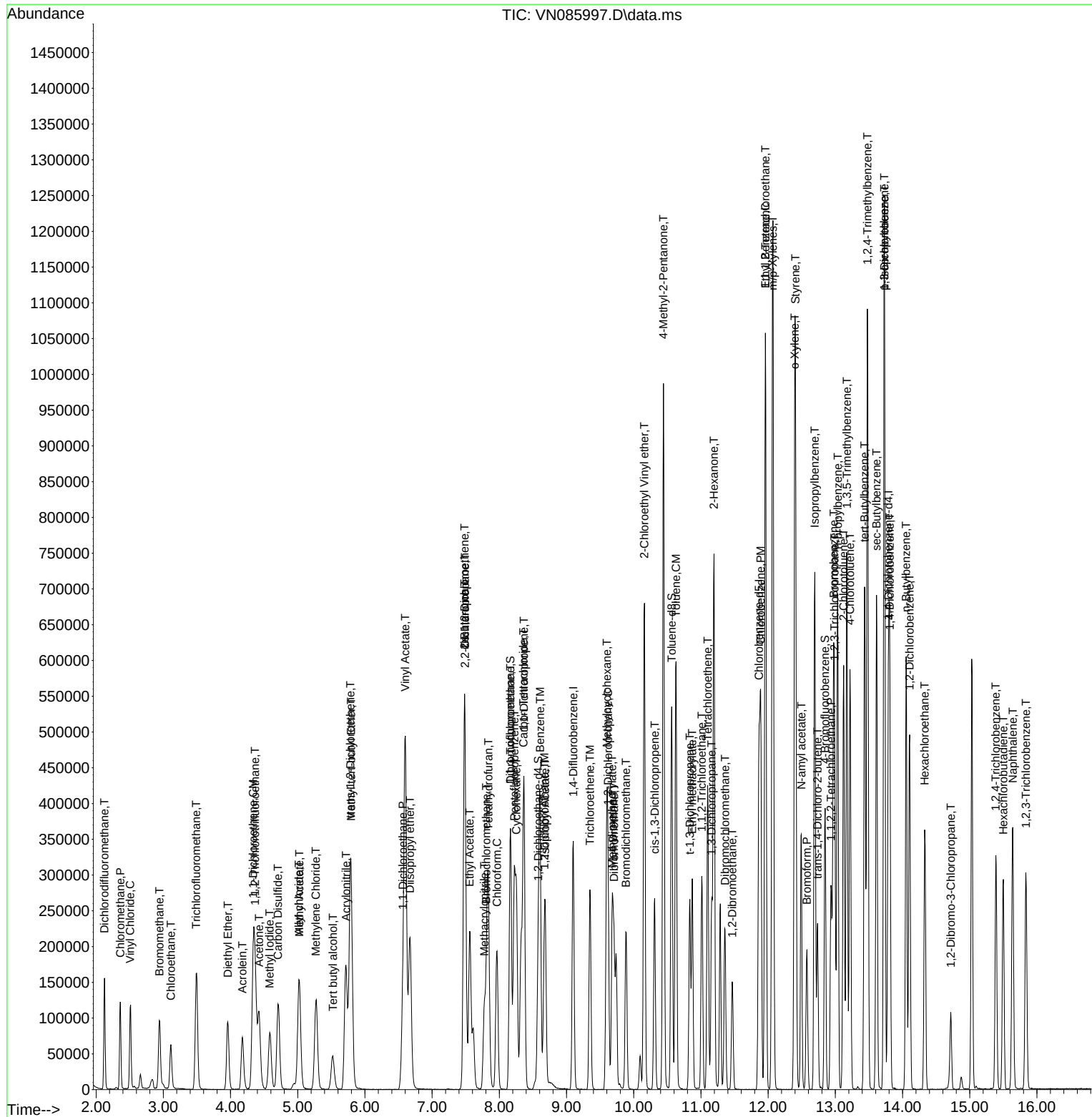
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

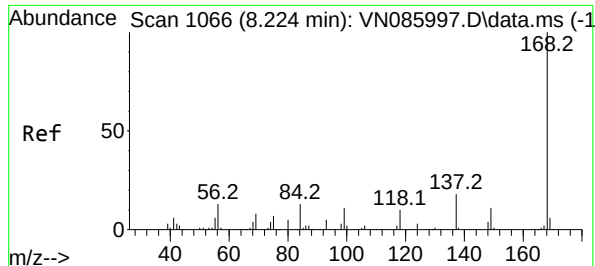
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations

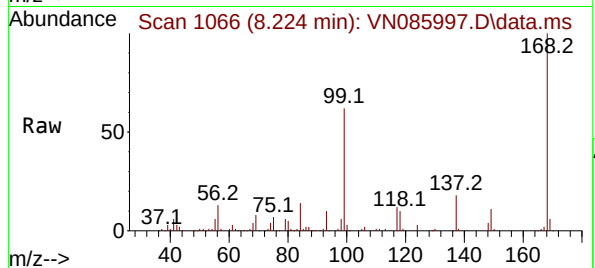
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

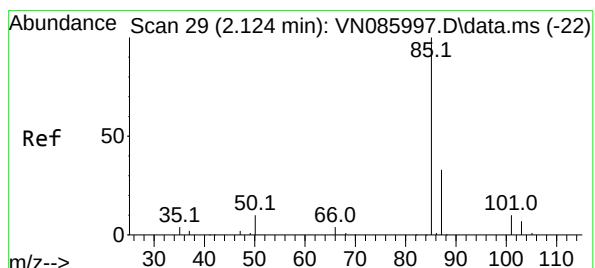
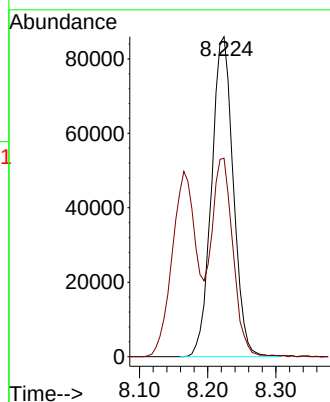
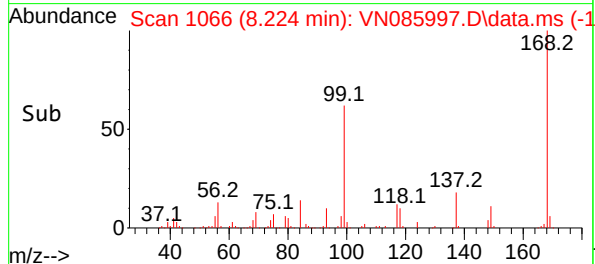
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 191040
Ion Ratio Lower Upper
168 100
99 61.8 49.4 74.2

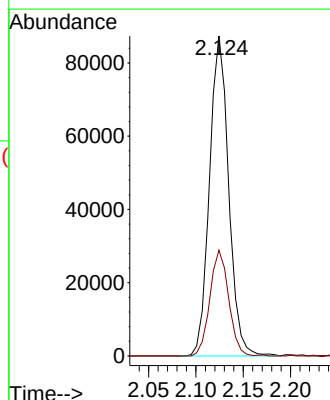
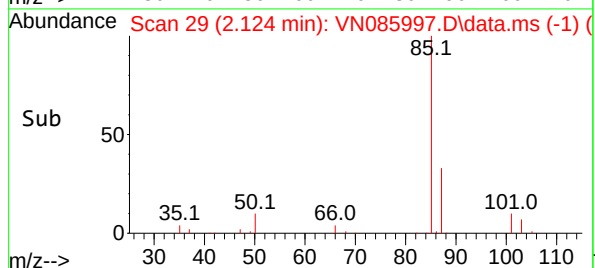
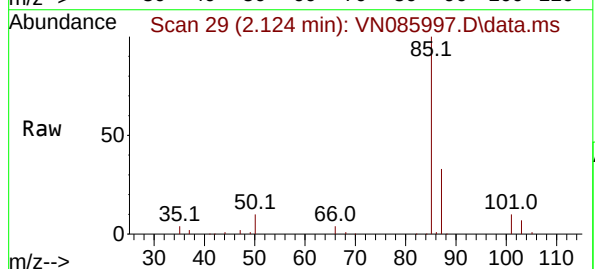
Manual Integrations
APPROVED

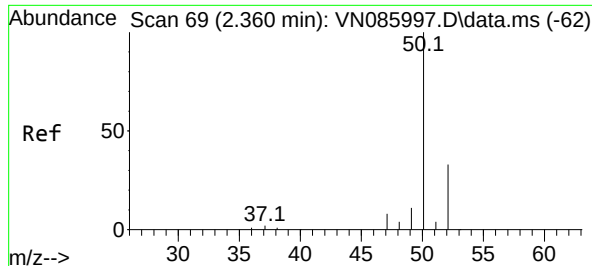
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 48.549 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 85 Resp: 122875
Ion Ratio Lower Upper
85 100
87 33.0 16.5 49.5





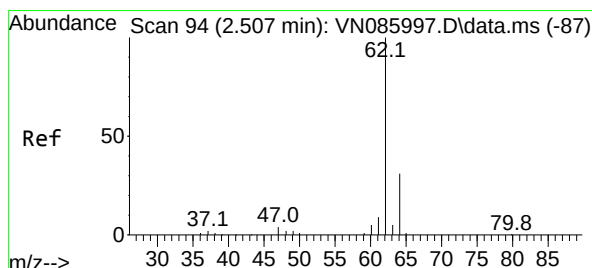
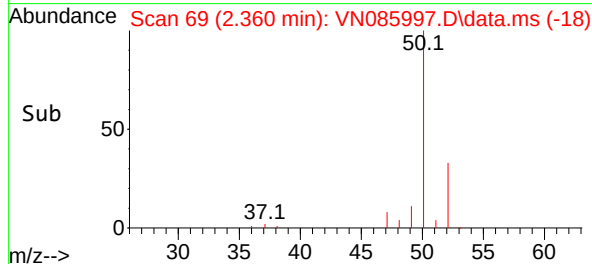
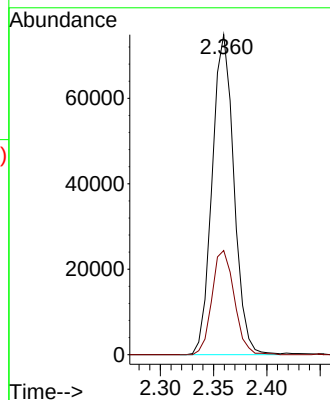
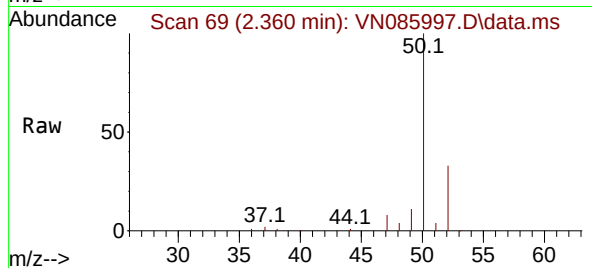
#3
Chloromethane
Concen: 47.928 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 106349
Ion Ratio Lower Upper
50 100
52 32.5 26.0 39.0

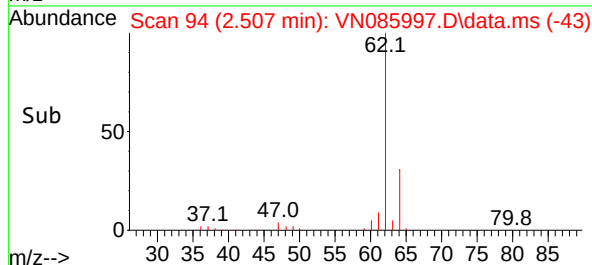
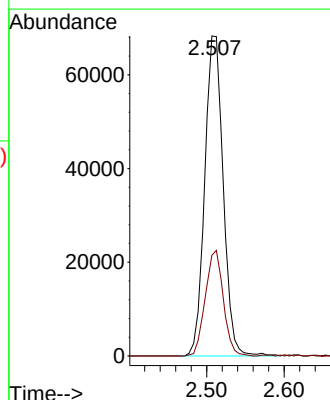
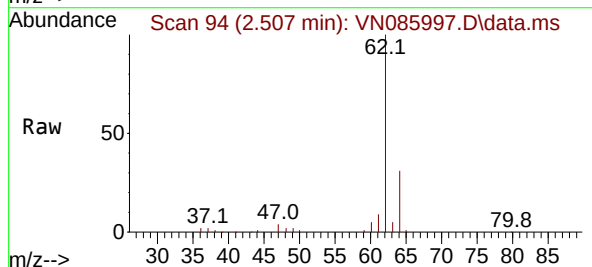
Manual Integrations
APPROVED

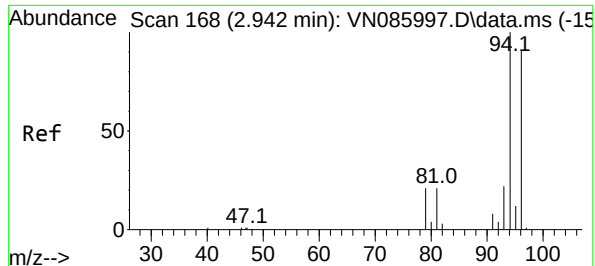
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 49.880 ug/l
RT: 2.507 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 62 Resp: 113163
Ion Ratio Lower Upper
62 100
64 31.5 25.2 37.8





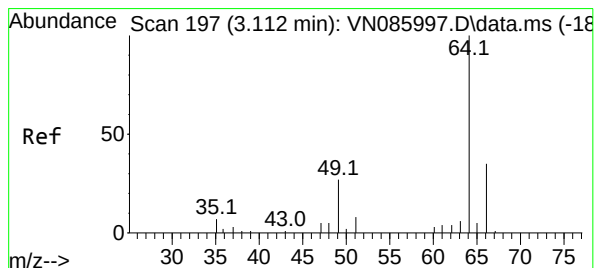
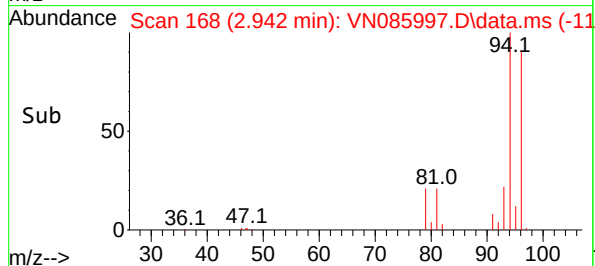
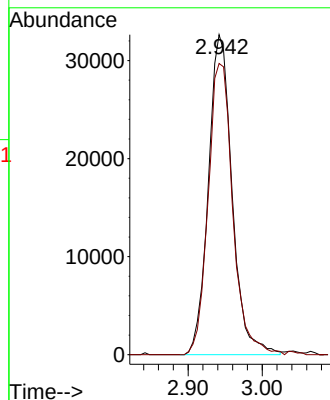
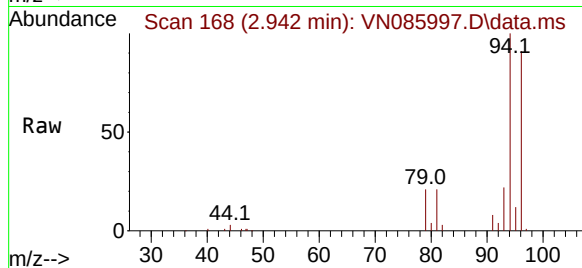
#5
Bromomethane
Concen: 47.103 ug/l
RT: 2.942 min Scan# 168
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 7279
Ion Ratio Lower Upper
94 100
96 91.0 72.8 109.2

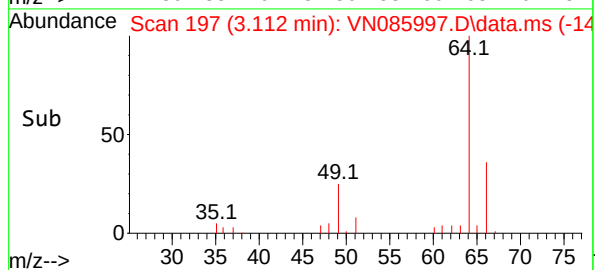
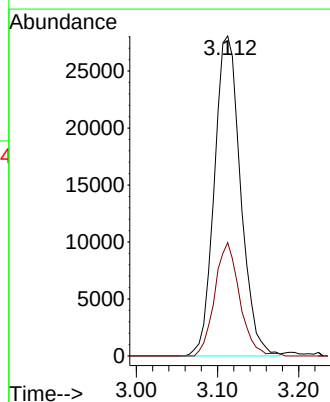
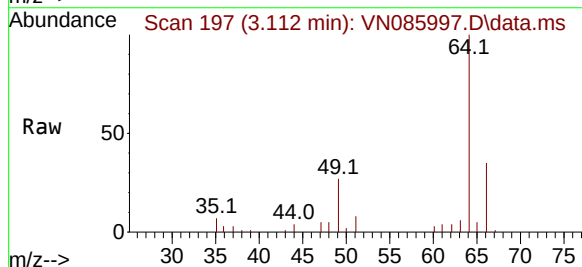
Manual Integrations
APPROVED

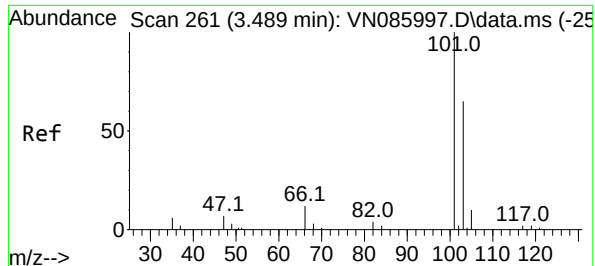
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#6
Chloroethane
Concen: 44.072 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

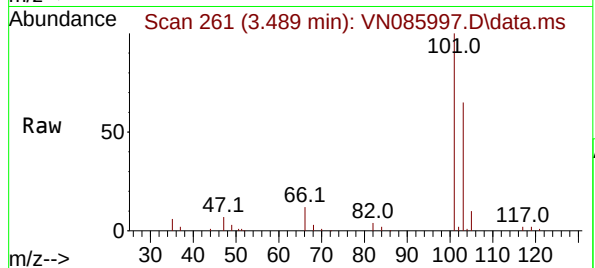
Tgt Ion: 64 Resp: 63077
Ion Ratio Lower Upper
64 100
66 35.4 28.3 42.5





#7
Trichlorofluoromethane
Concen: 45.774 ug/l
RT: 3.489 min Scan# 261
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

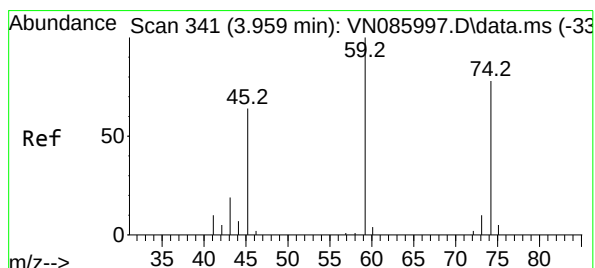
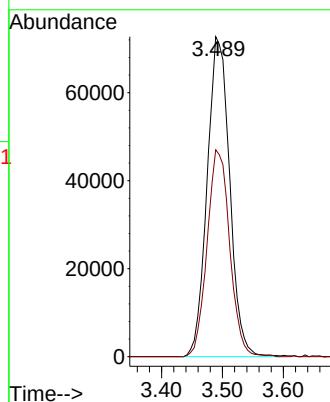
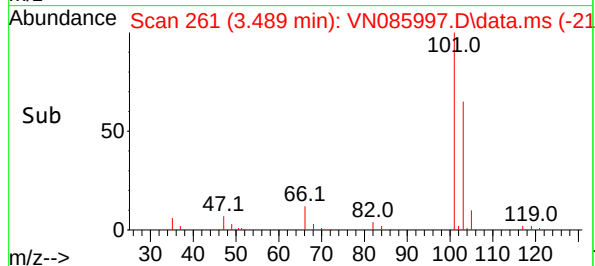
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 186678
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5

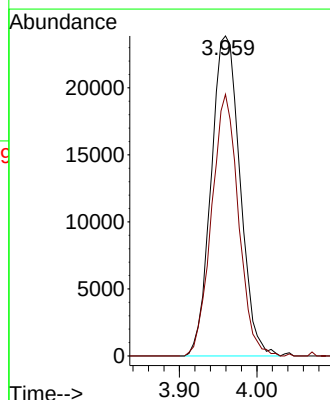
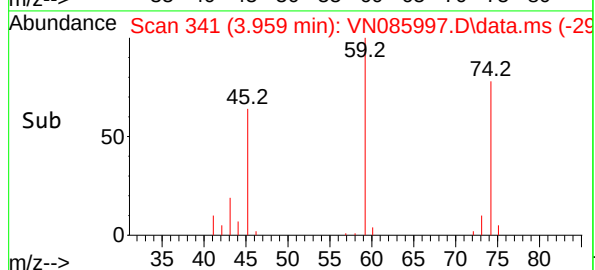
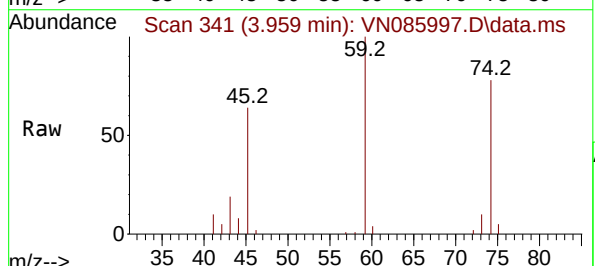
Manual Integrations
APPROVED

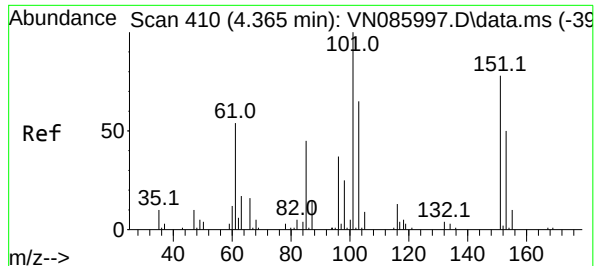
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 49.647 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 74 Resp: 61984
Ion Ratio Lower Upper
74 100
45 75.9 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.380 ug/l

RT: 4.365 min Scan# 410

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 9836

Ion Ratio Lower Upper

101 100

85 45.6 36.5 54.7

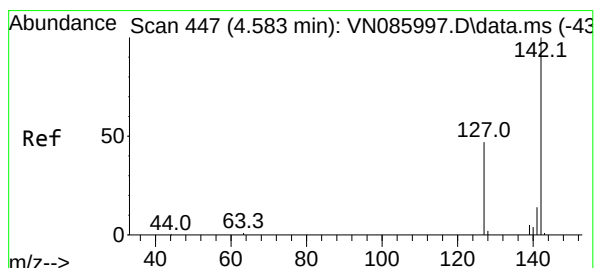
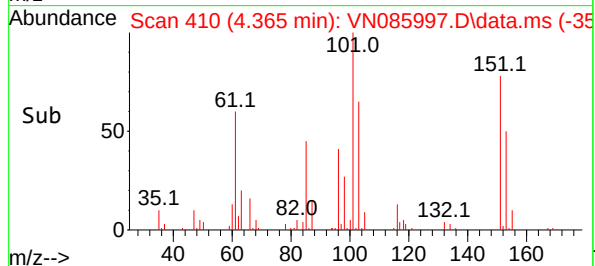
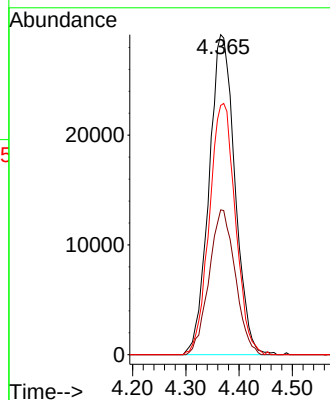
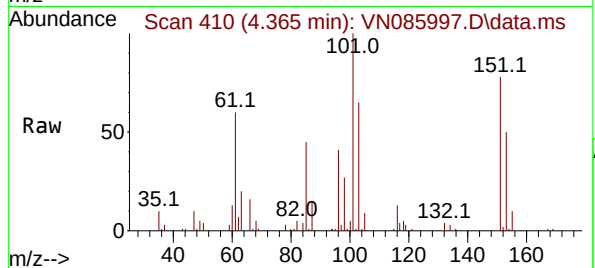
151 79.2 63.4 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#10

Methyl Iodide

Concen: 49.232 ug/l

RT: 4.583 min Scan# 447

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

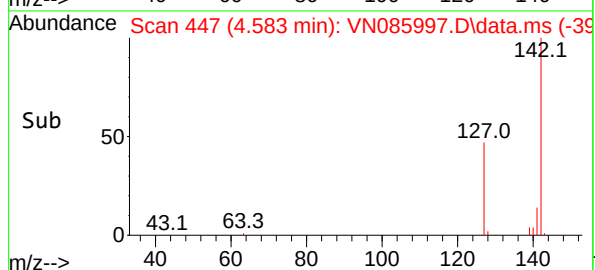
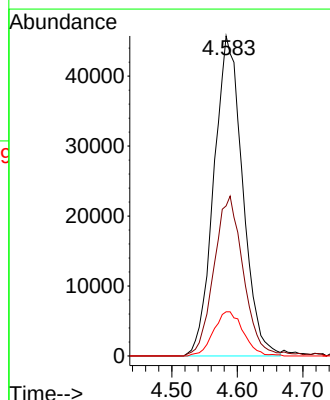
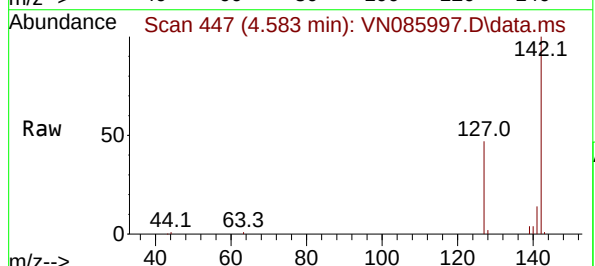
Tgt Ion:142 Resp: 139044

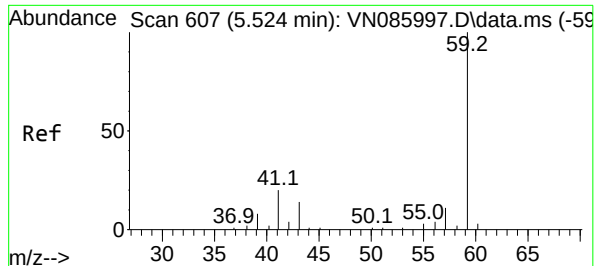
Ion Ratio Lower Upper

142 100

127 46.9 37.5 56.3

141 13.8 11.0 16.6





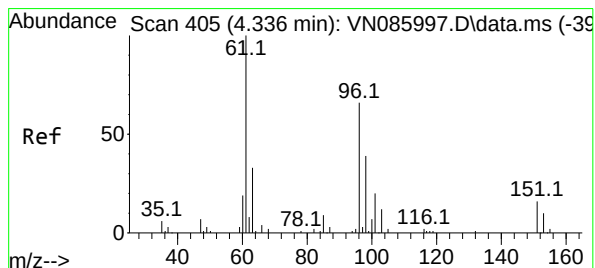
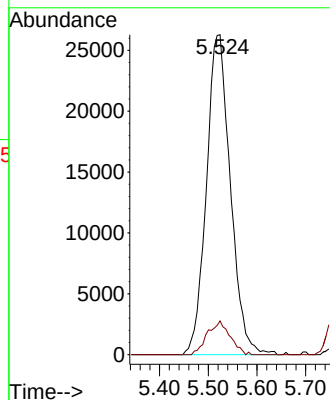
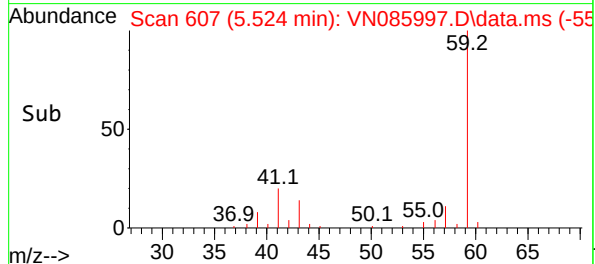
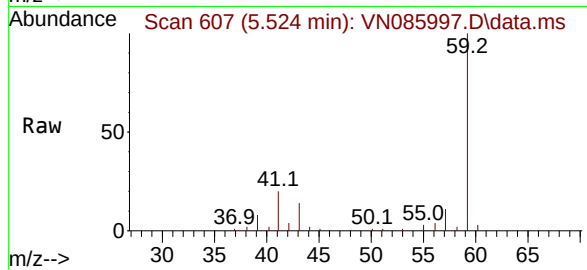
#11
Tert butyl alcohol
Concen: 243.082 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 9003
Ion Ratio Lower Upper
59 100
57 9.9 7.9 11.9

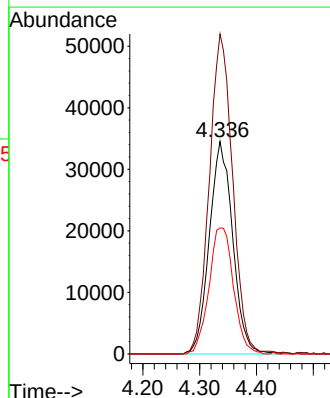
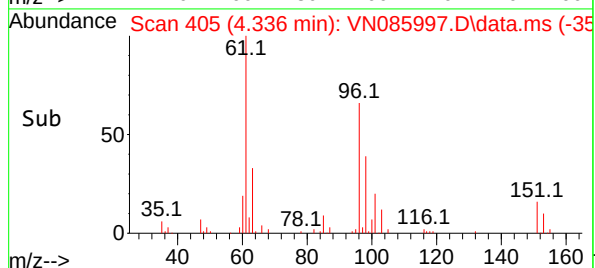
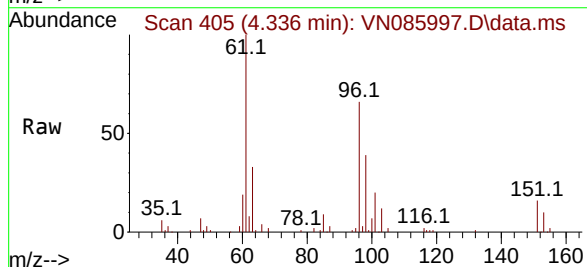
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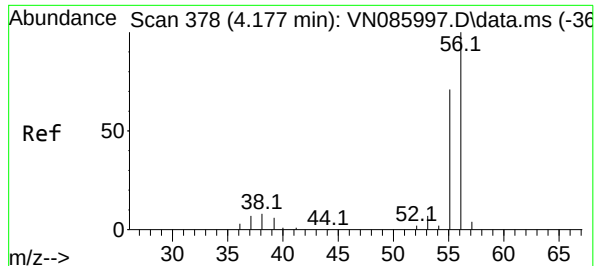
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#12
1,1-Dichloroethene
Concen: 50.369 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 96 Resp: 98583
Ion Ratio Lower Upper
96 100
61 150.6 120.5 180.7
98 59.2 47.4 71.0





#13

Acrolein

Concen: 241.241 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 95299

Ion Ratio Lower Upper

56 100

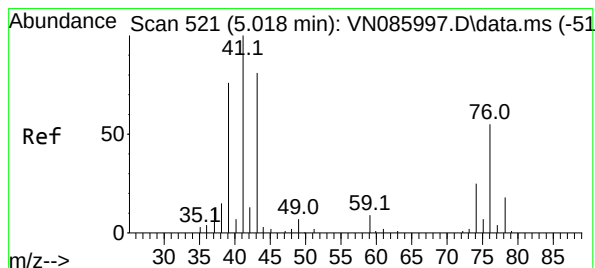
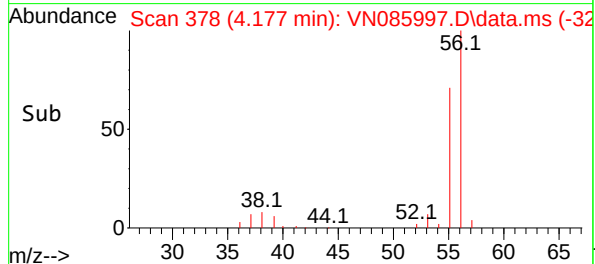
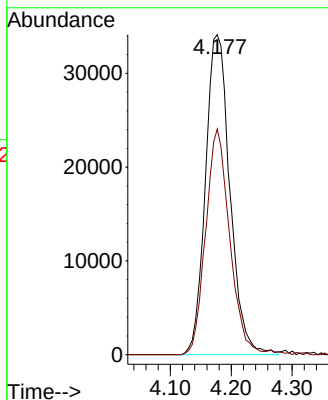
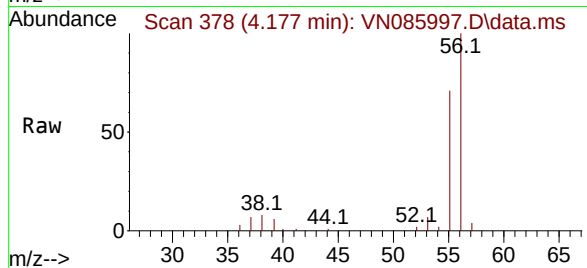
55 68.9 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 48.265 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

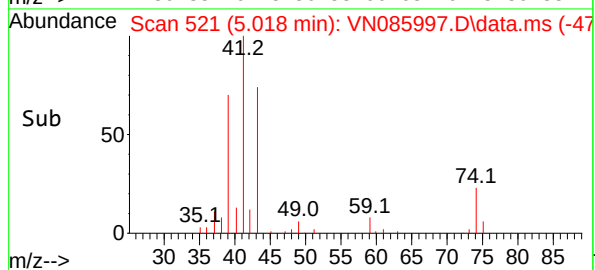
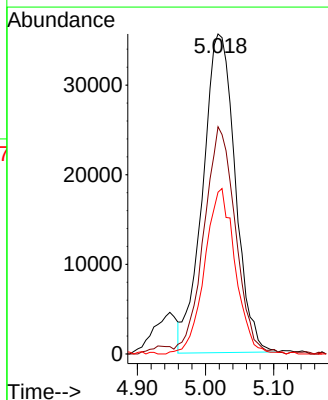
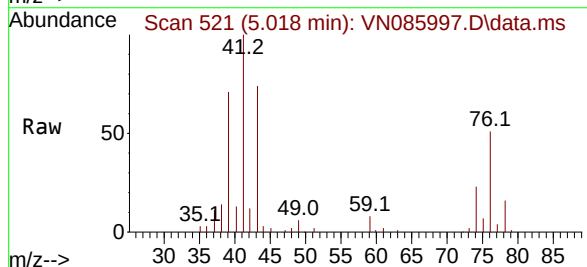
Tgt Ion: 41 Resp: 117849

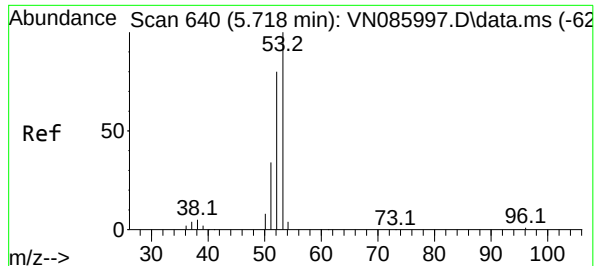
Ion Ratio Lower Upper

41 100

39 69.4 55.5 83.3

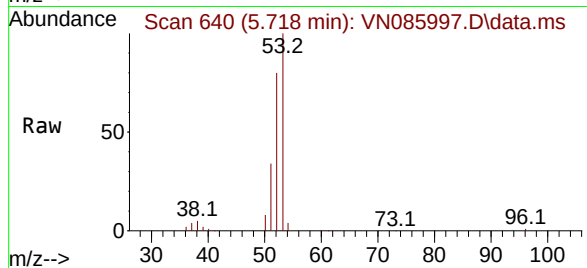
76 48.9 39.1 58.7





#15
Acrylonitrile
Concen: 241.896 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

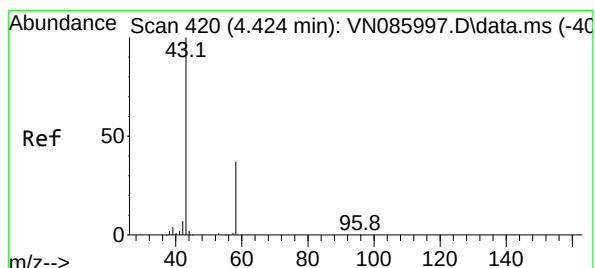
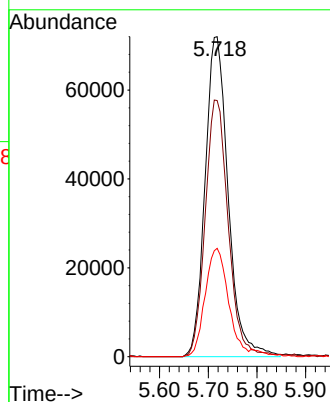
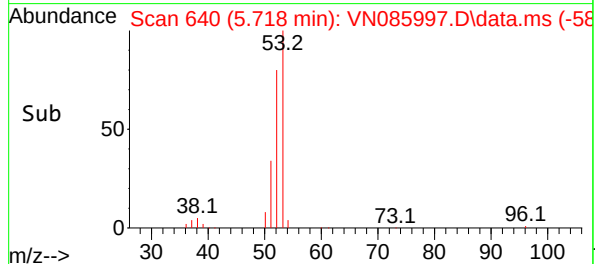
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 53 Resp: 236614
Ion Ratio Lower Upper
53 100
52 79.9 63.9 95.9
51 33.9 27.1 40.7

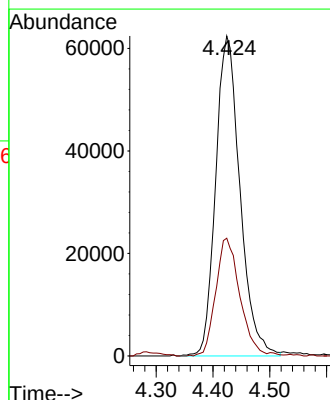
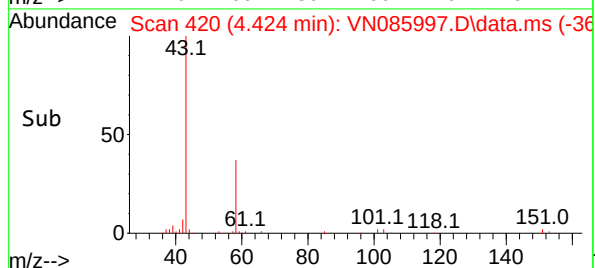
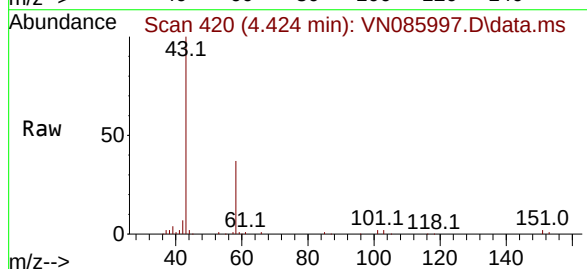
Manual Integrations
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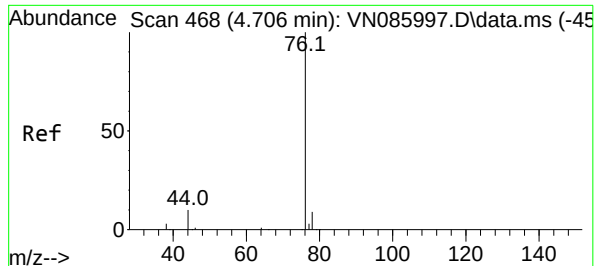
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#16
Acetone
Concen: 232.246 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

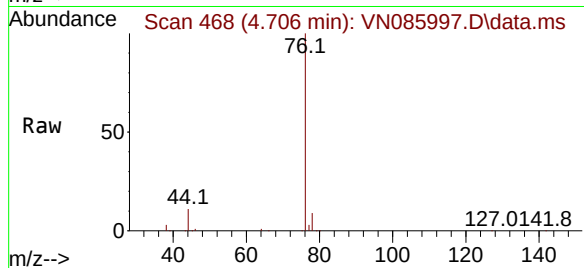
Tgt Ion: 43 Resp: 185613
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.2





#17
Carbon Disulfide
Concen: 44.810 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

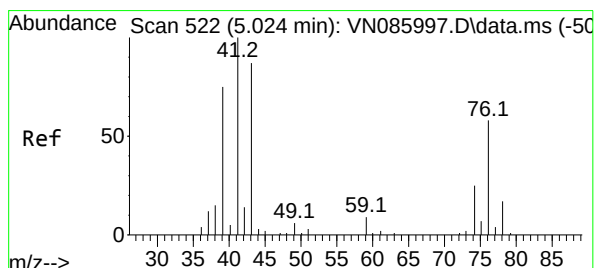
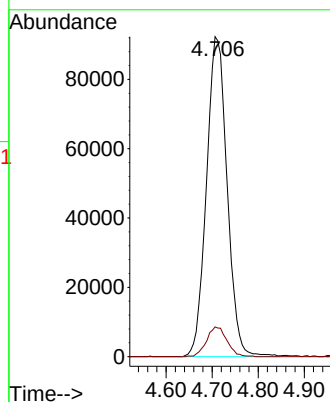
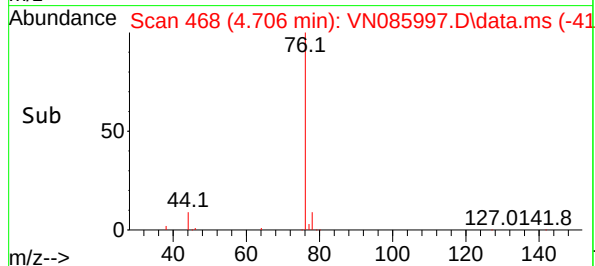
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 288424
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

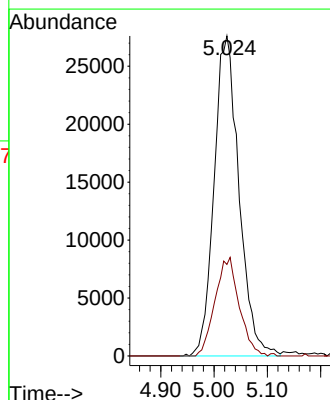
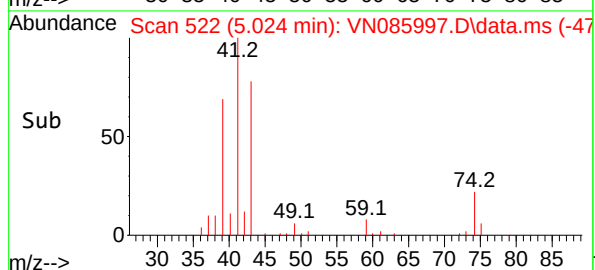
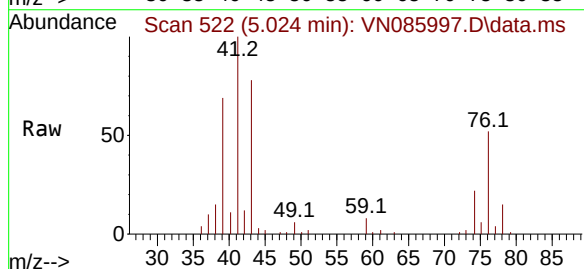
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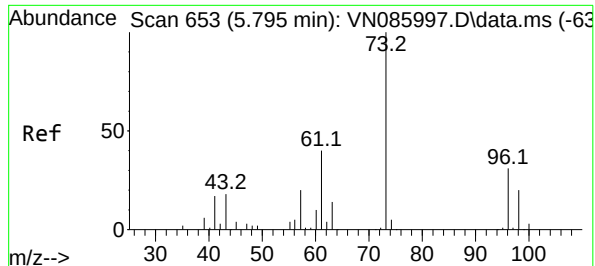
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#18
Methyl Acetate
Concen: 45.288 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 43 Resp: 89551
Ion Ratio Lower Upper
43 100
74 29.9 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 50.377 ug/l

RT: 5.795 min Scan# 653

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 323093

Ion Ratio Lower Upper

73 100

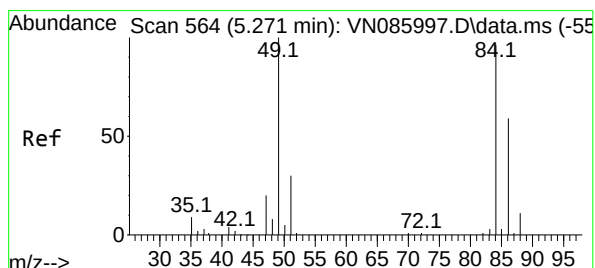
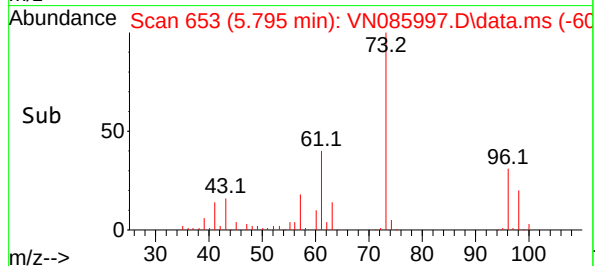
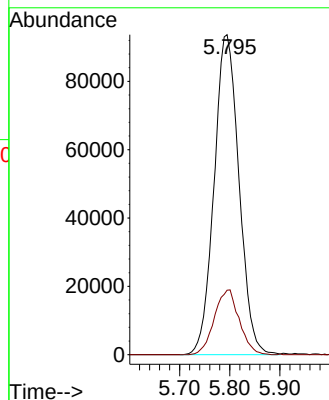
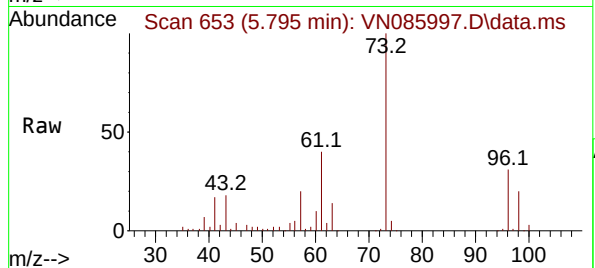
57 20.1 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 46.158 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Tgt Ion: 84 Resp: 107918

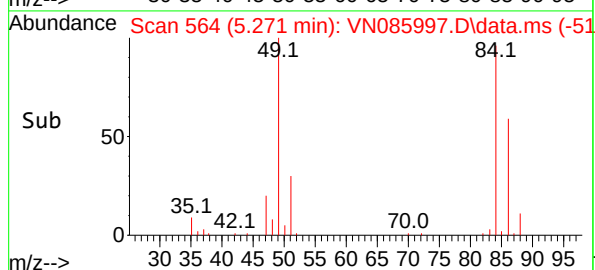
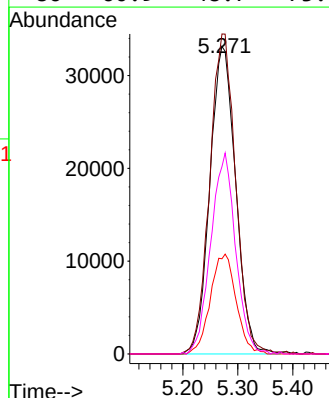
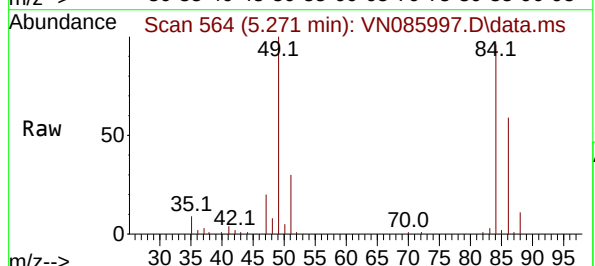
Ion Ratio Lower Upper

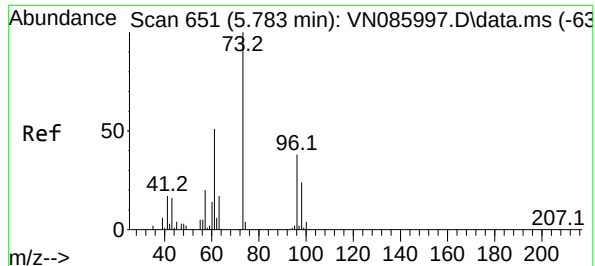
84 100

49 104.1 83.3 124.9

51 31.0 24.8 37.2

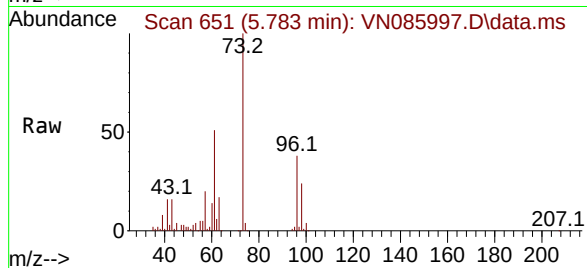
86 60.9 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 47.670 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

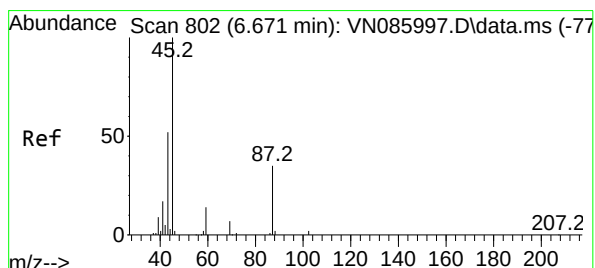
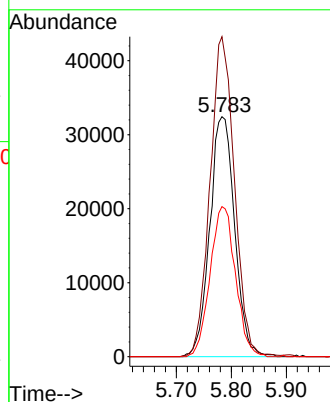
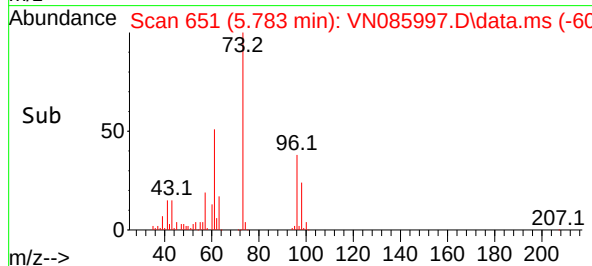
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 10196
Ion Ratio Lower Upper
96 100
61 133.3 106.6 160.0
98 62.5 50.0 75.0

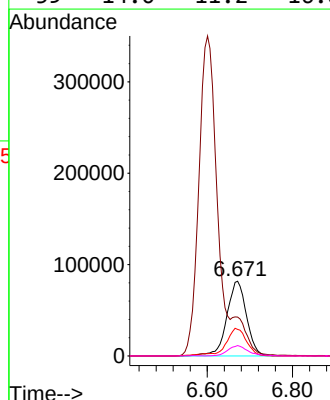
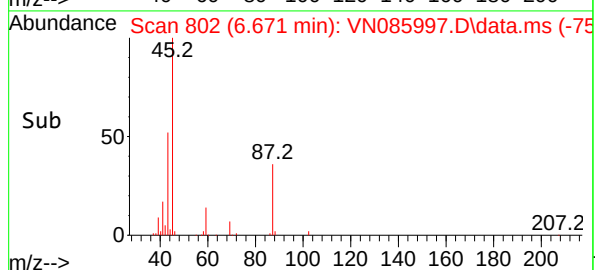
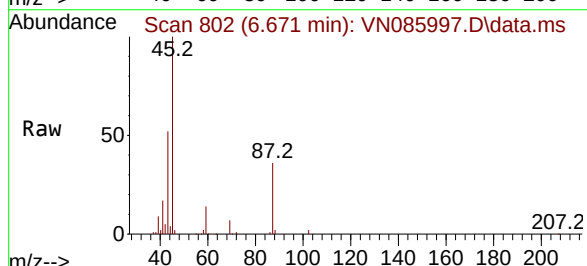
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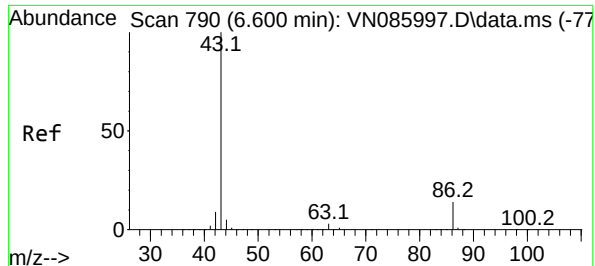
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 50.597 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 45 Resp: 263272
Ion Ratio Lower Upper
45 100
43 51.5 41.2 61.8
87 35.6 28.5 42.7
59 14.0 11.2 16.8





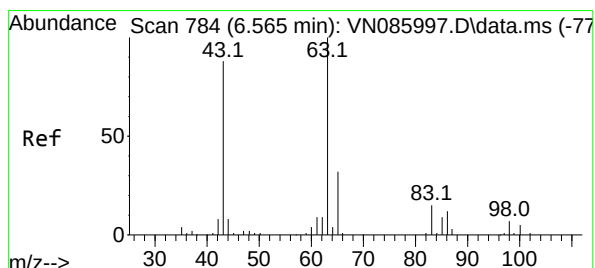
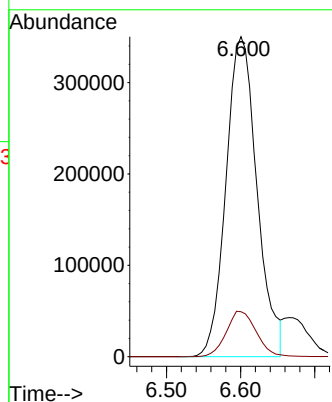
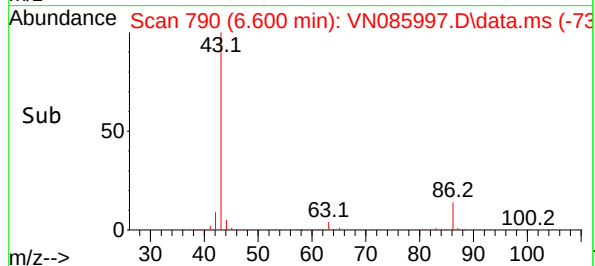
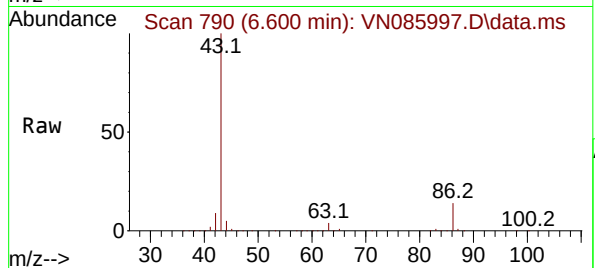
#23
Vinyl Acetate
Concen: 258.439 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1019460
Ion Ratio Lower Upper
43 100
86 14.0 11.2 16.8

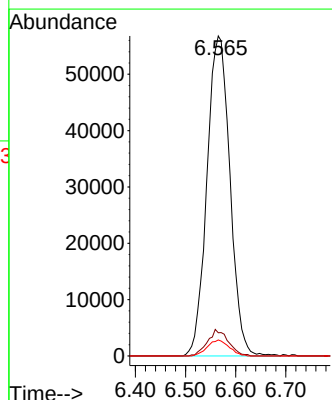
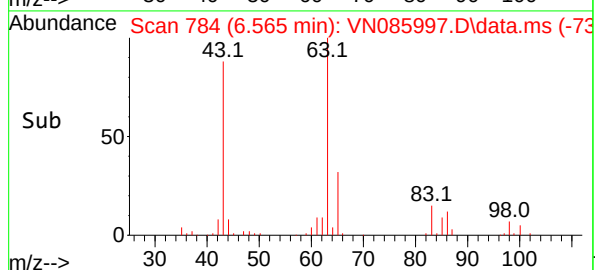
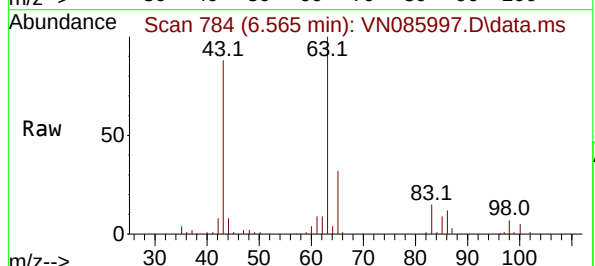
Manual Integrations
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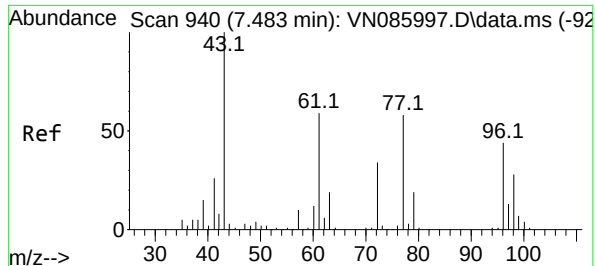
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 47.361 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 63 Resp: 181215
Ion Ratio Lower Upper
63 100
98 7.3 3.6 10.9
100 5.0 2.5 7.5





#25

2-Butanone

Concen: 241.675 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 278702

Ion Ratio Lower Upper

43 100

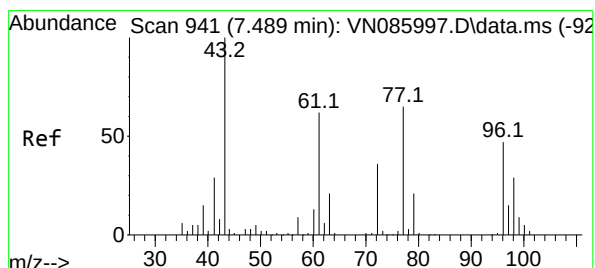
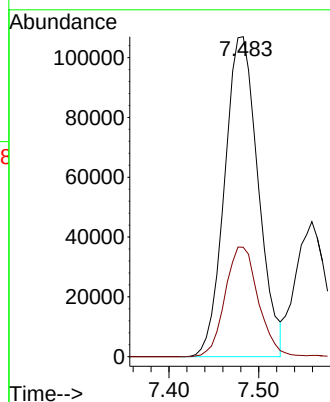
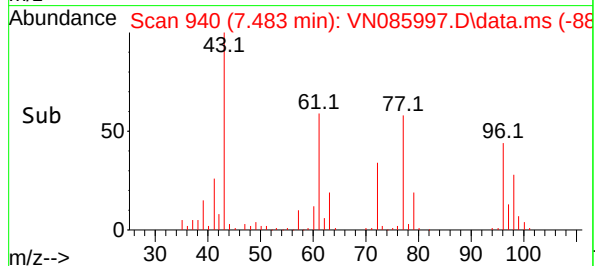
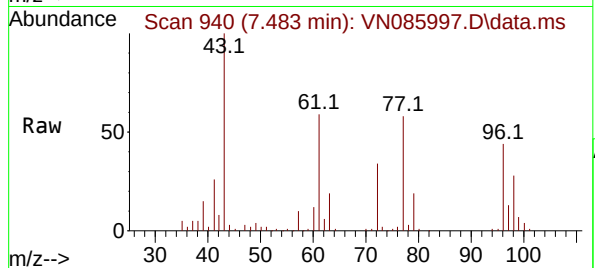
72 34.2 27.4 41.0

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 48.036 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN085997.D

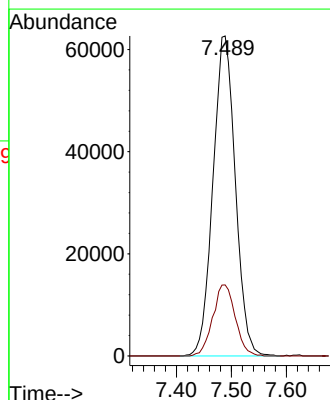
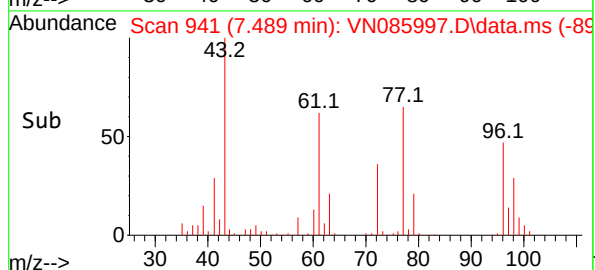
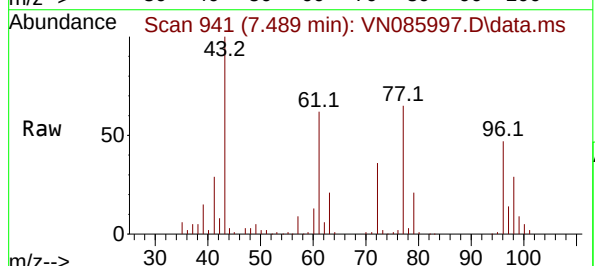
Acq: 18 Mar 2025 12:08

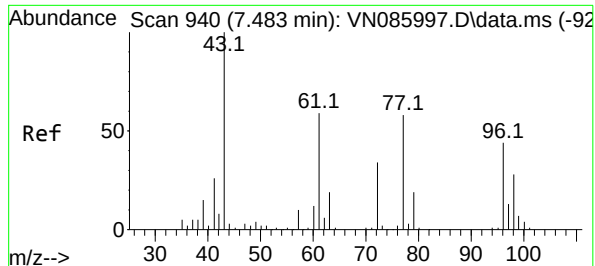
Tgt Ion: 77 Resp: 176949

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 49.730 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 120874

Ion Ratio Lower Upper

96 100

61 136.4 0.0 272.8

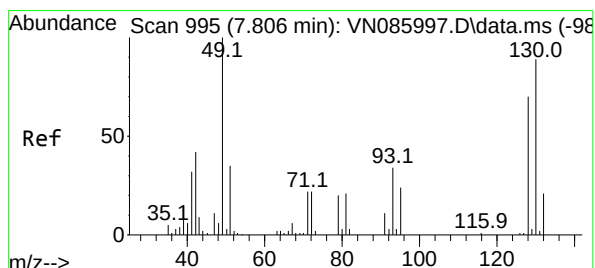
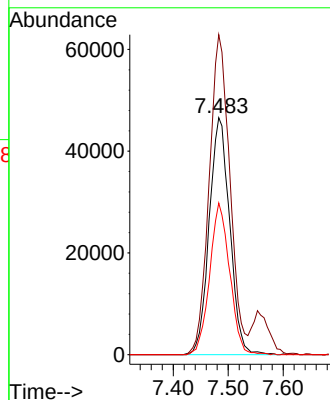
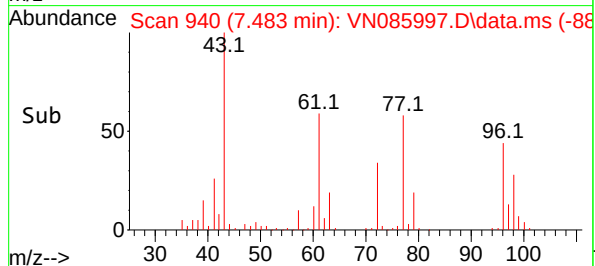
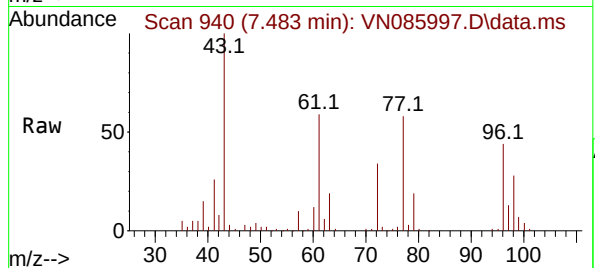
98 62.4 0.0 124.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 46.067 ug/l

RT: 7.806 min Scan# 995

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

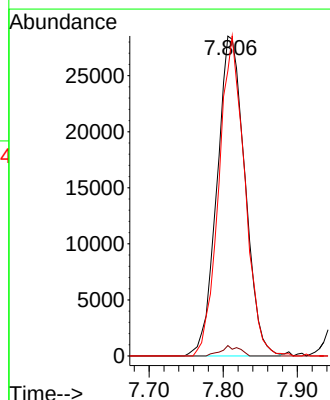
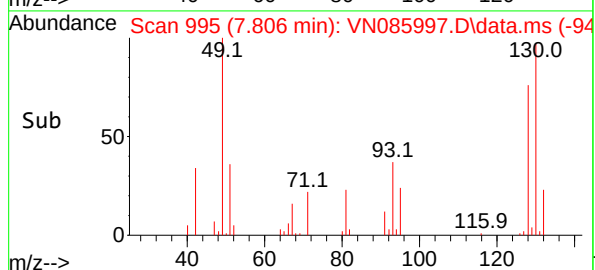
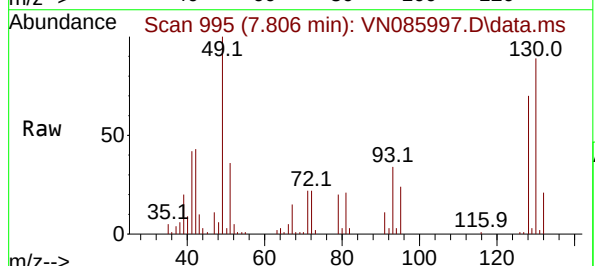
Tgt Ion: 49 Resp: 74679

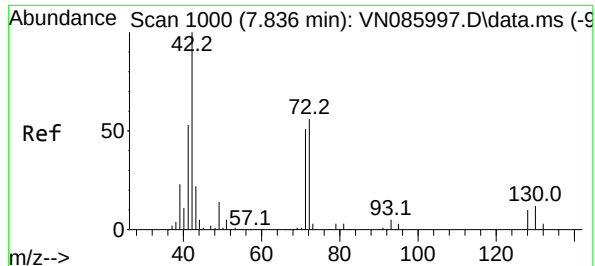
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 92.8 74.2 111.4





#29

Tetrahydrofuran

Concen: 260.140 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 18520

Ion Ratio Lower Upper

42 100

72 56.2 45.0 67.4

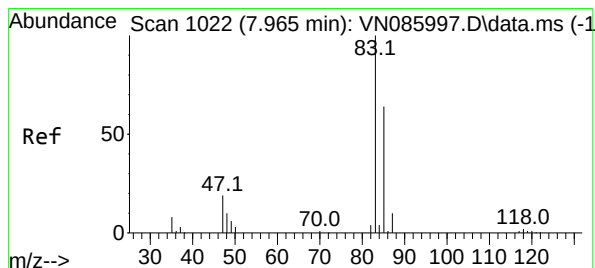
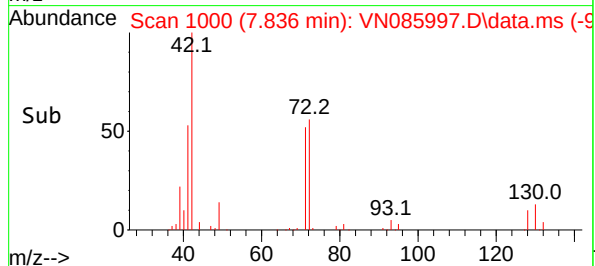
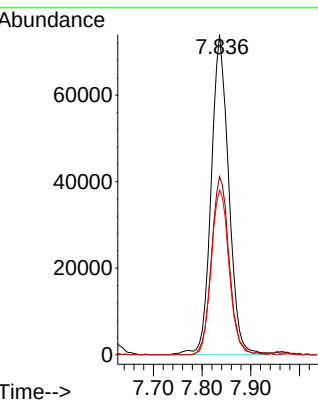
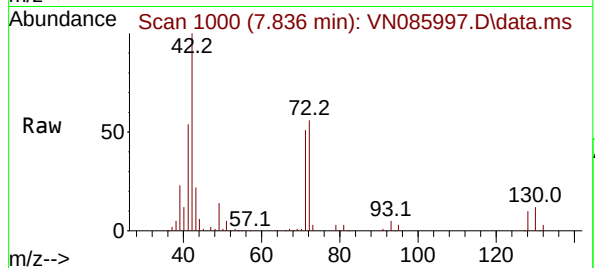
71 52.4 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 45.948 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN085997.D

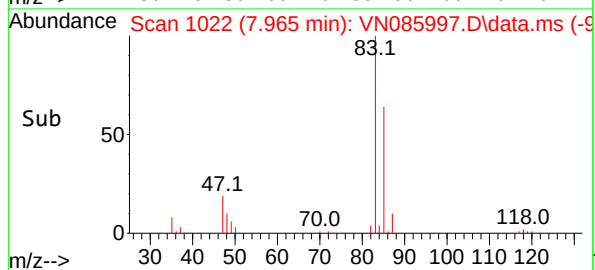
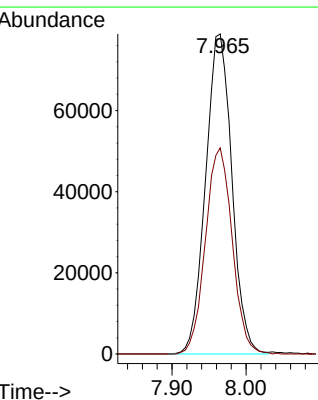
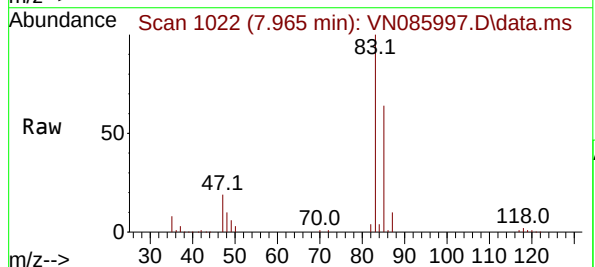
Acq: 18 Mar 2025 12:08

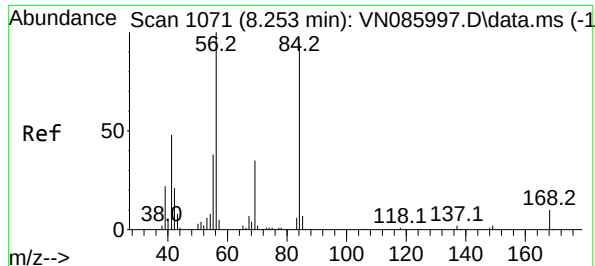
Tgt Ion: 83 Resp: 194324

Ion Ratio Lower Upper

83 100

85 64.4 51.5 77.3





#31

Cyclohexane

Concen: 46.831 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 15264

Ion Ratio Lower Upper

56 100

69 35.0 28.0 42.0

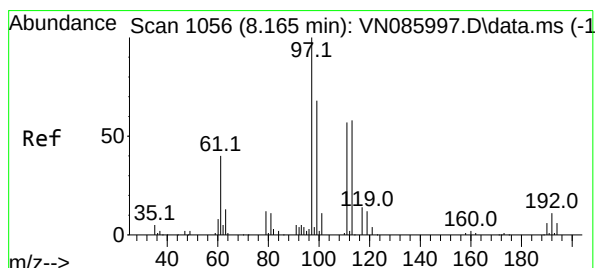
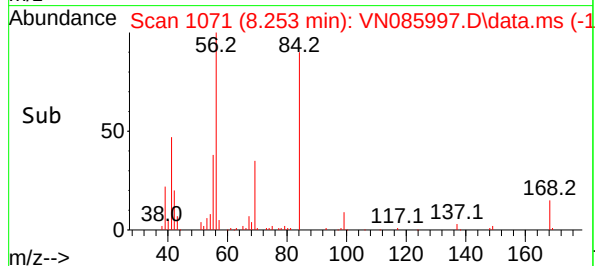
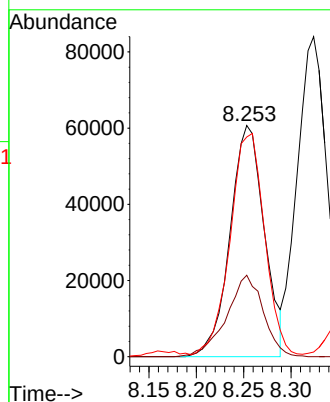
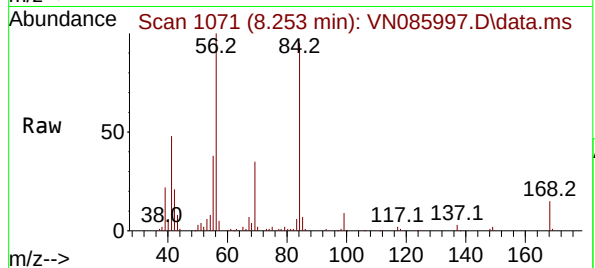
84 93.8 75.0 112.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#32

1,1,1-Trichloroethane

Concen: 47.032 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

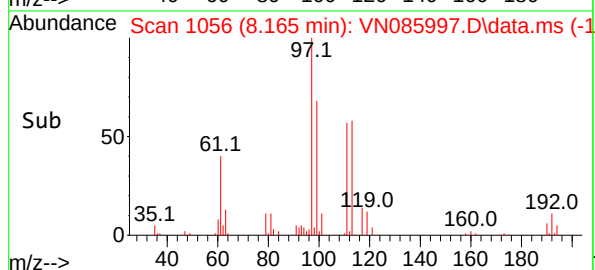
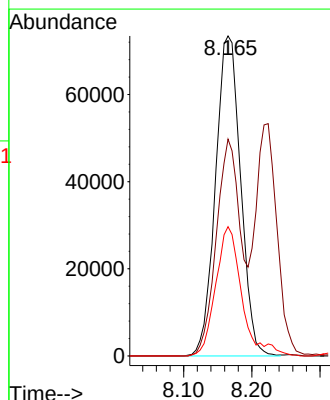
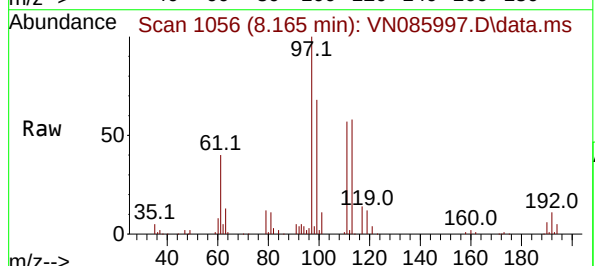
Tgt Ion: 97 Resp: 188288

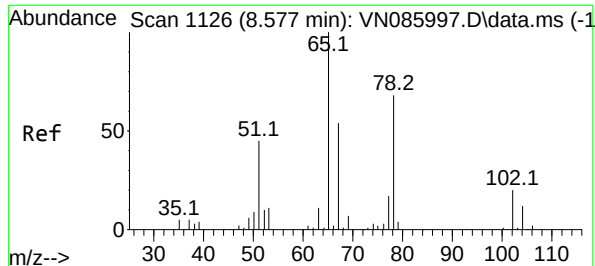
Ion Ratio Lower Upper

97 100

99 66.0 52.8 79.2

61 42.0 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 48.559 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 127029

Ion Ratio Lower Upper

65 100

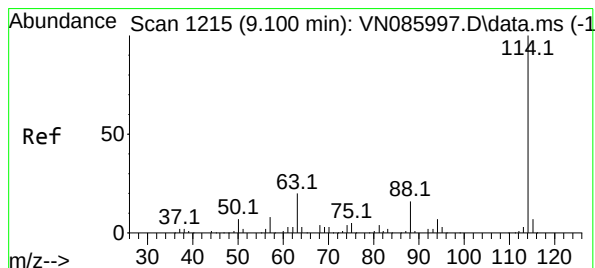
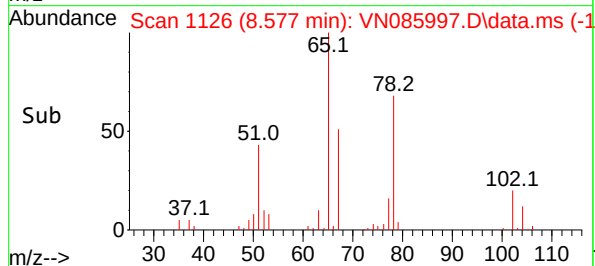
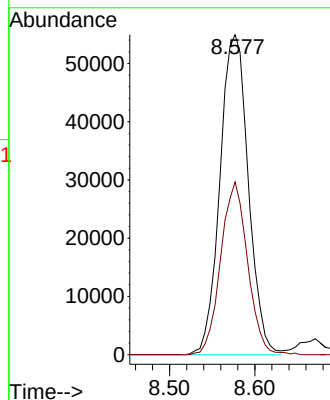
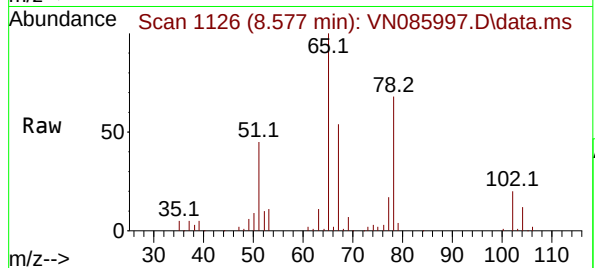
67 51.1 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

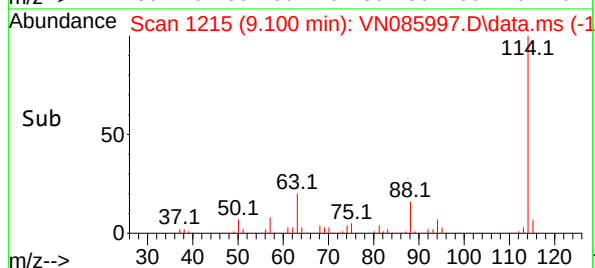
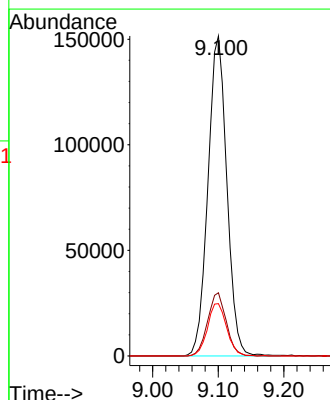
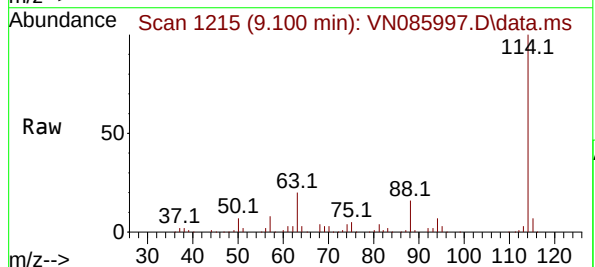
Tgt Ion:114 Resp: 303794

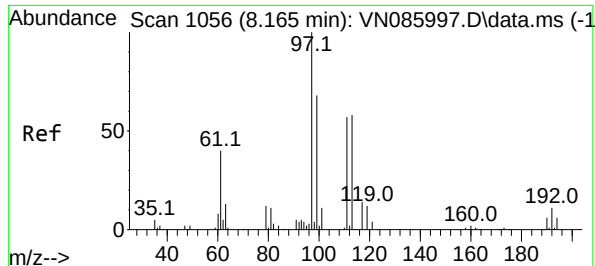
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

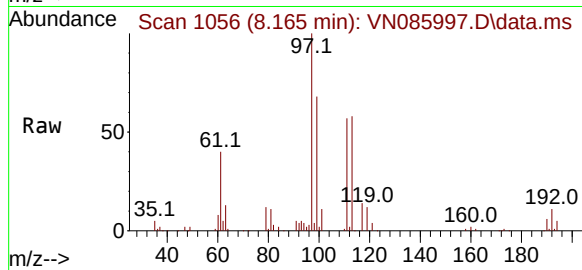
88 16.3 0.0 32.6





#35
Dibromofluoromethane
Concen: 47.910 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

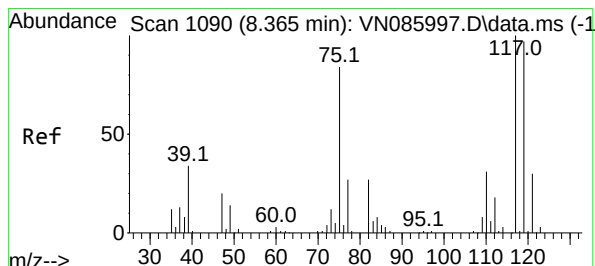
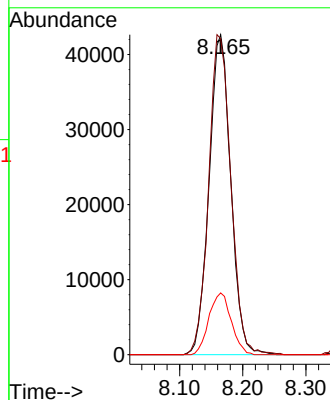
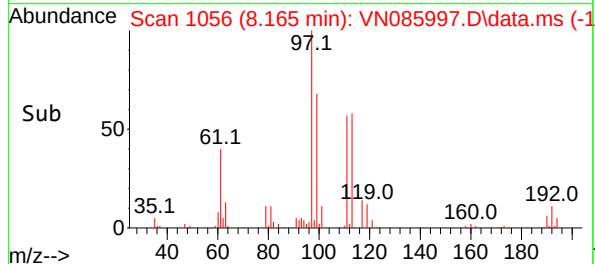
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 113 Resp: 101590
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 19.9 15.9 23.9

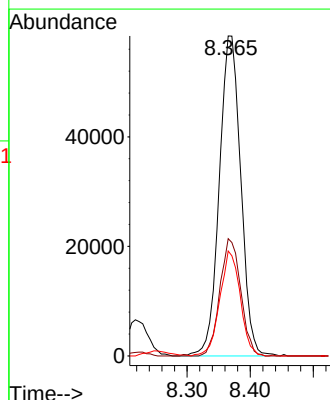
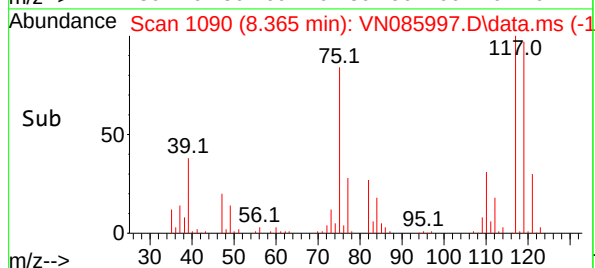
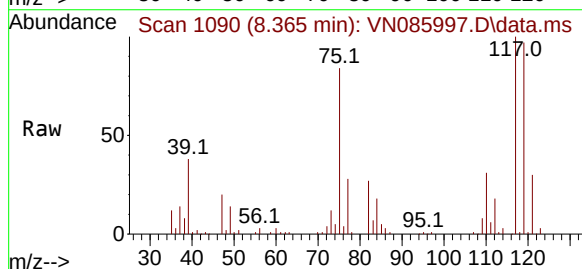
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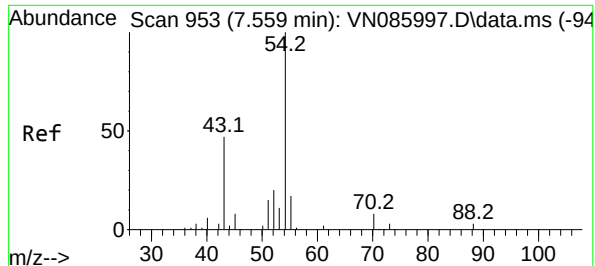
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#36
1,1-Dichloropropene
Concen: 49.422 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 75 Resp: 137990
Ion Ratio Lower Upper
75 100
110 35.5 17.8 53.3
77 31.2 25.0 37.4





#37

Ethyl Acetate

Concen: 47.350 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 11153

Ion Ratio Lower Upper

43 100

61 16.2 13.0 19.4

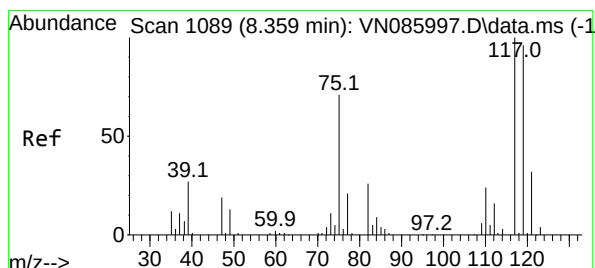
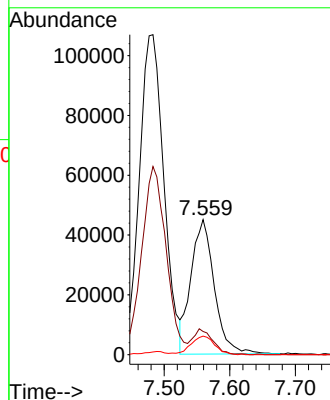
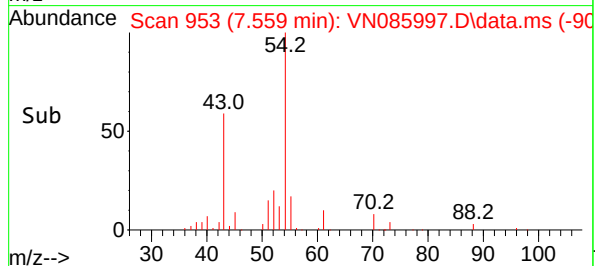
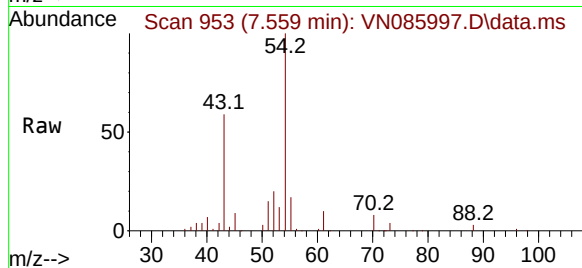
70 13.8 11.0 16.6

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#38

Carbon Tetrachloride

Concen: 47.847 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

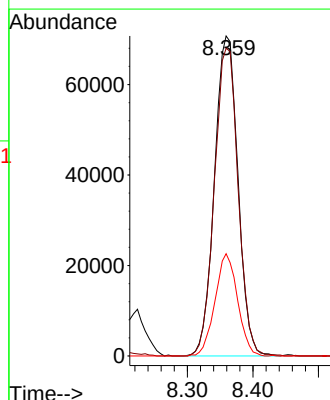
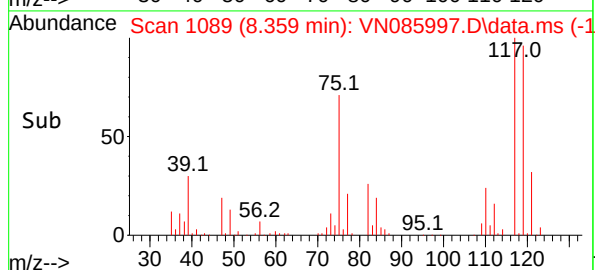
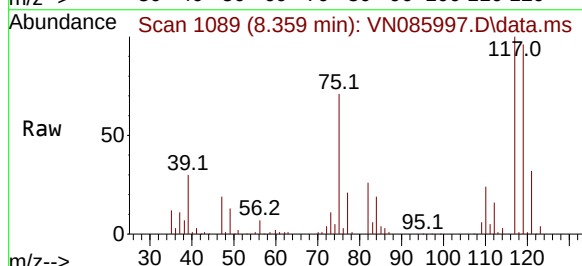
Tgt Ion:117 Resp: 175652

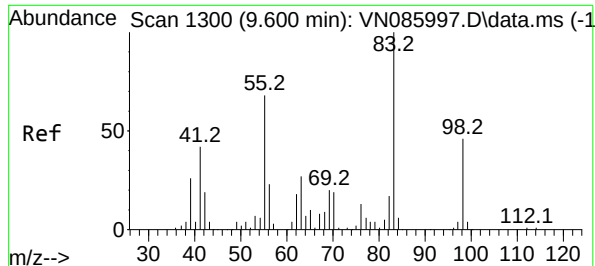
Ion Ratio Lower Upper

117 100

119 96.2 77.0 115.4

121 32.0 25.6 38.4





#39

Methylcyclohexane

Concen: 52.126 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 14439

Ion Ratio Lower Upper

83 100

55 67.7 54.2 81.2

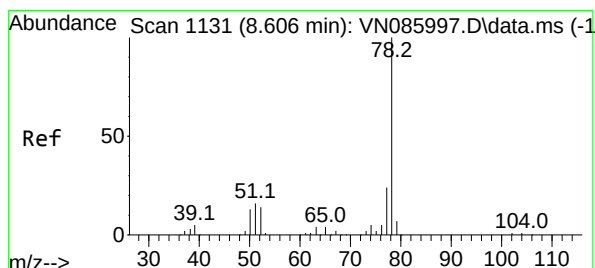
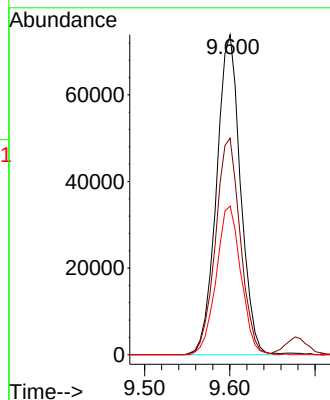
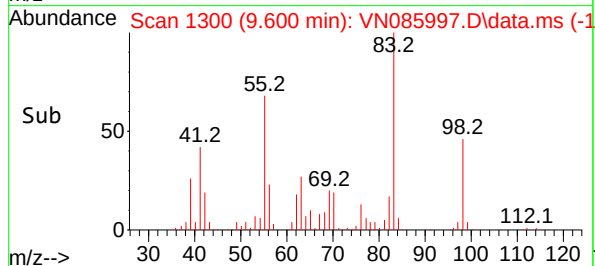
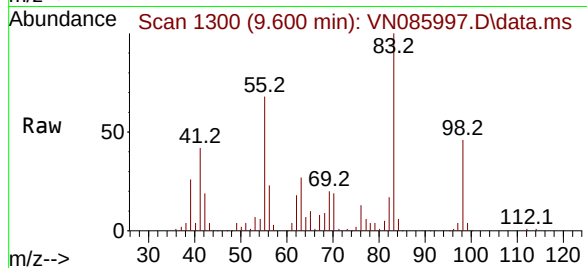
98 46.4 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 48.268 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN085997.D

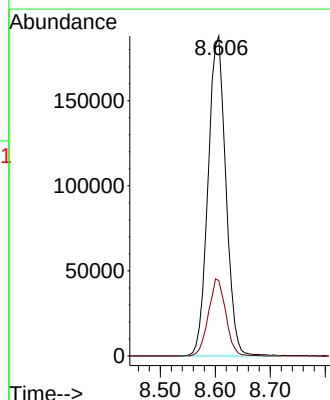
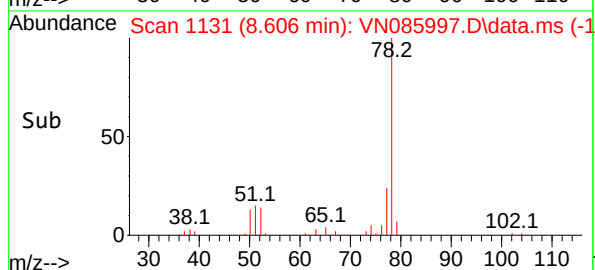
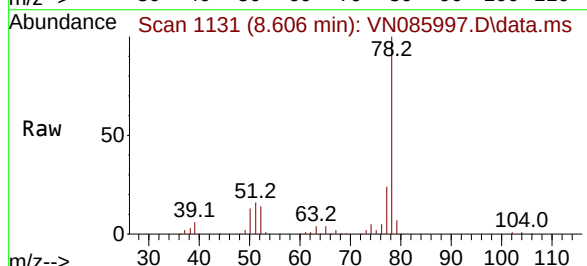
Acq: 18 Mar 2025 12:08

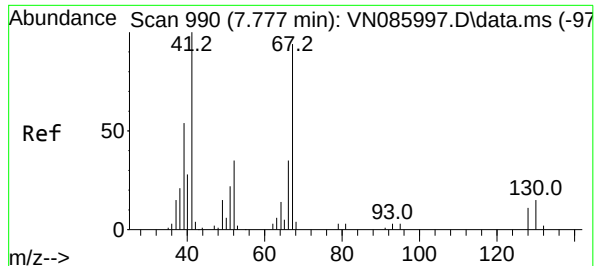
Tgt Ion: 78 Resp: 423071

Ion Ratio Lower Upper

78 100

77 23.6 18.9 28.3





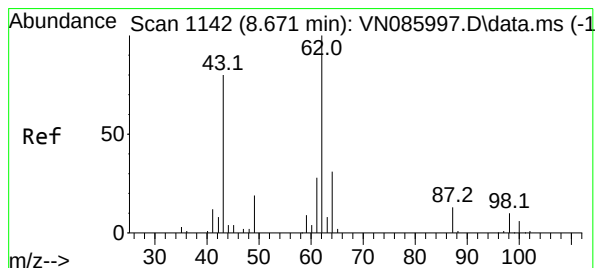
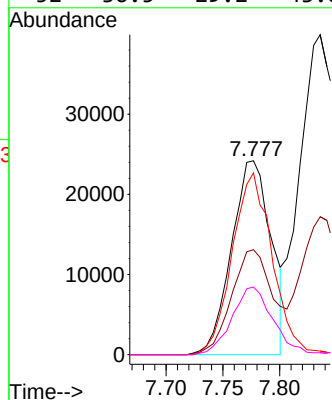
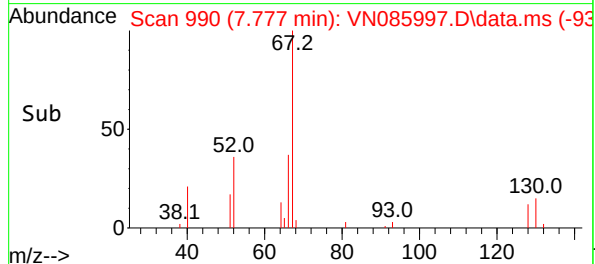
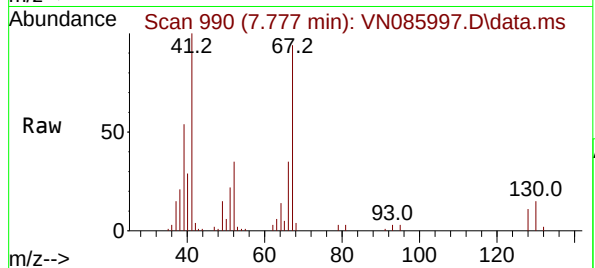
#41
Methacrylonitrile
Concen: 52.096 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 58590
Ion Ratio Lower Upper
41 100
39 57.7 46.2 69.2
67 94.9 75.9 113.9
52 36.5 29.2 43.8

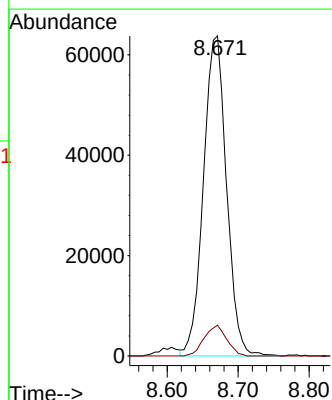
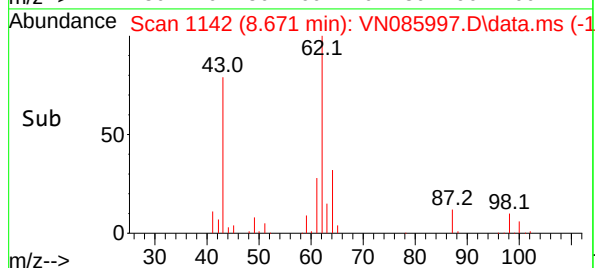
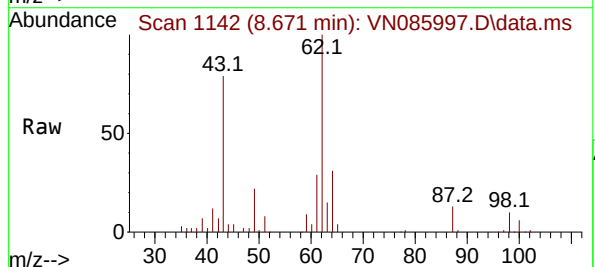
Manual Integrations
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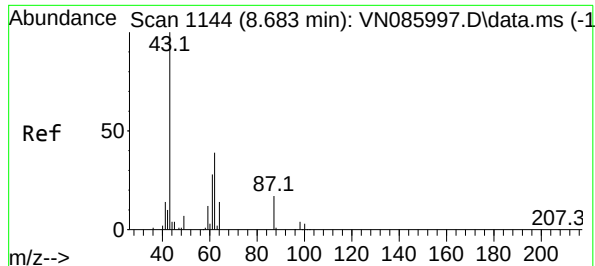
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#42
1,2-Dichloroethane
Concen: 47.265 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 62 Resp: 144354
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.6





#43

Isopropyl Acetate

Concen: 40.845 ug/l m

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 208920

Ion Ratio Lower Upper

43

61

87

100

29.2

15.2

25.0

13.0

37.6

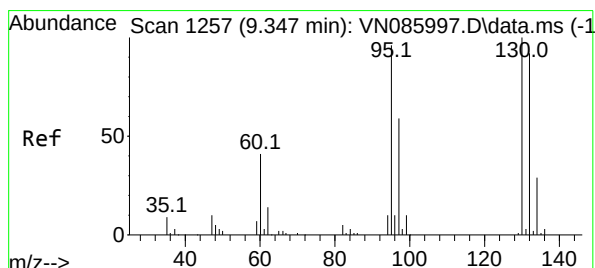
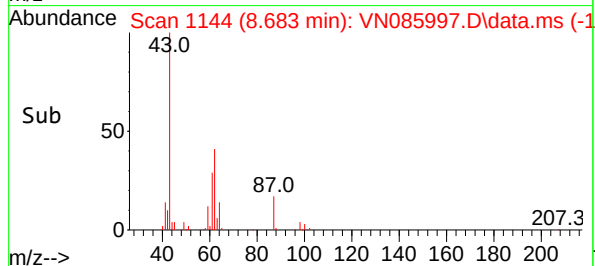
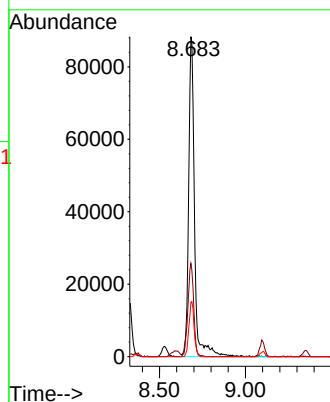
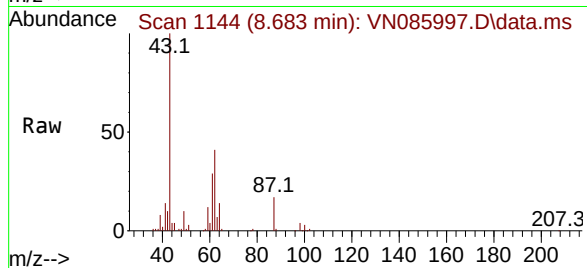
19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 46.260 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Tgt Ion:130 Resp: 105089

Ion Ratio Lower Upper

130

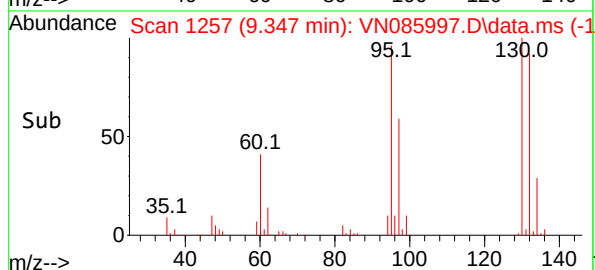
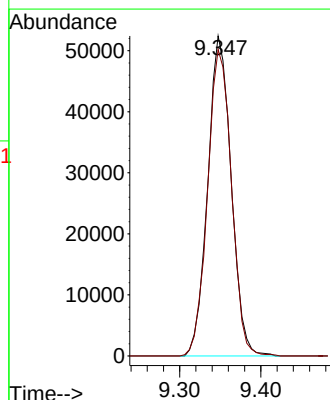
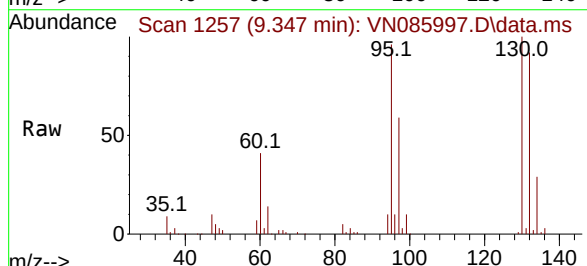
95

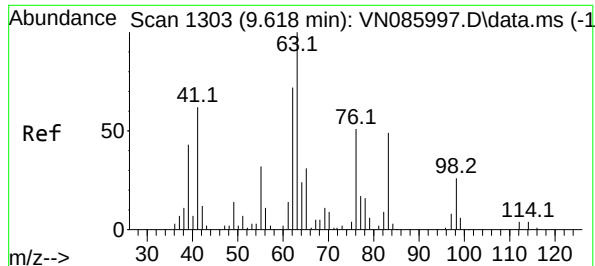
100

95.8

0.0

191.6





#45

1,2-Dichloropropane

Concen: 48.856 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 97398

Ion Ratio Lower Upper

63 100

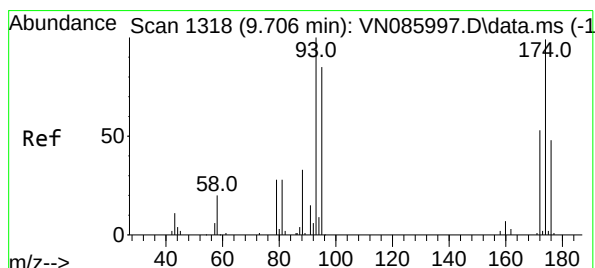
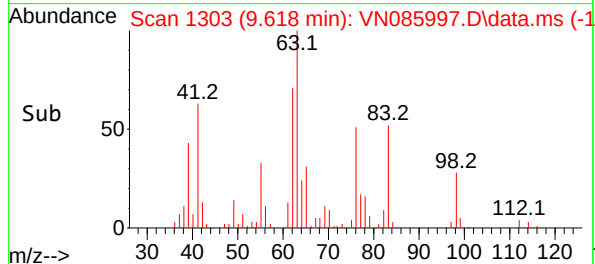
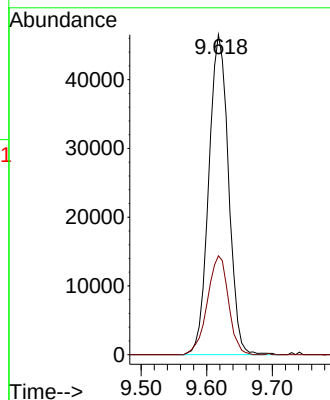
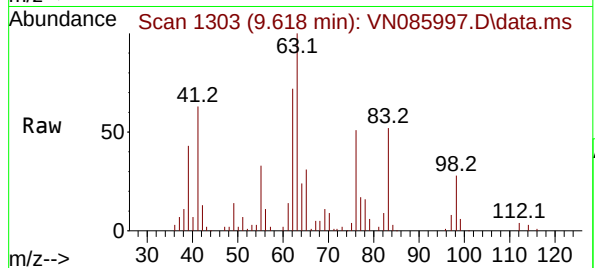
65 30.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 47.036 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

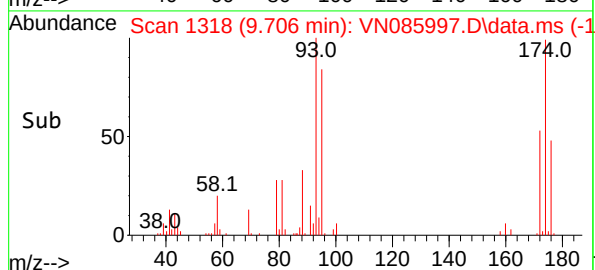
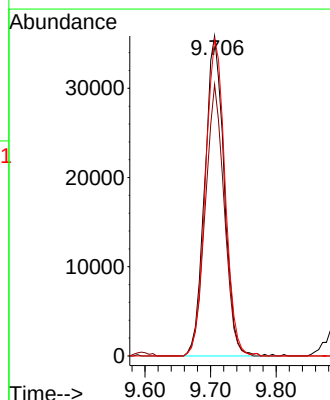
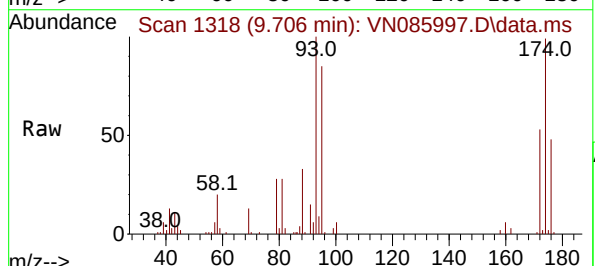
Tgt Ion: 93 Resp: 73743

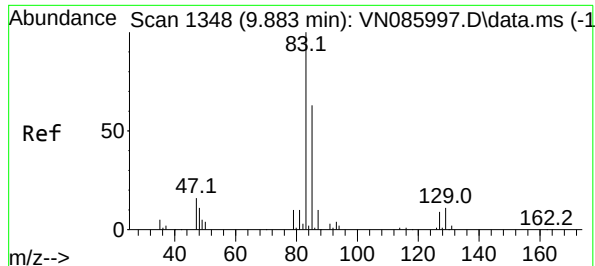
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.2

174 100.1 80.1 120.1





#47

Bromodichloromethane

Concen: 47.887 ug/l

RT: 9.883 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 156908

Ion Ratio Lower Upper

83 100

85 62.7 50.2 75.2

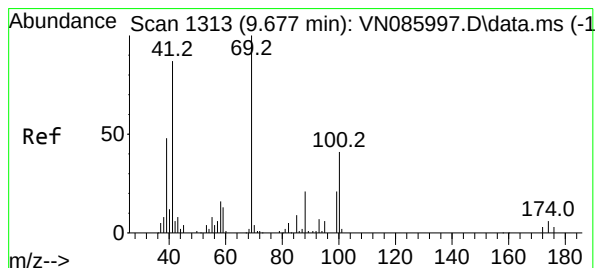
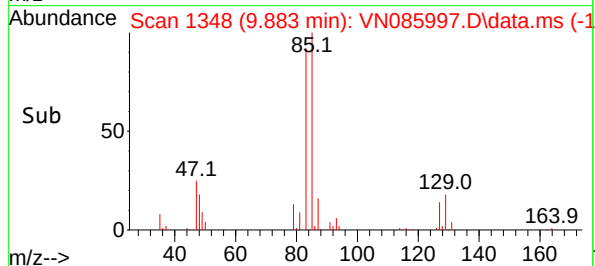
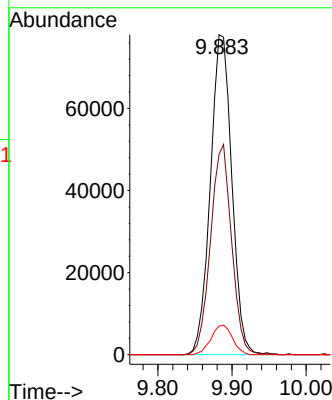
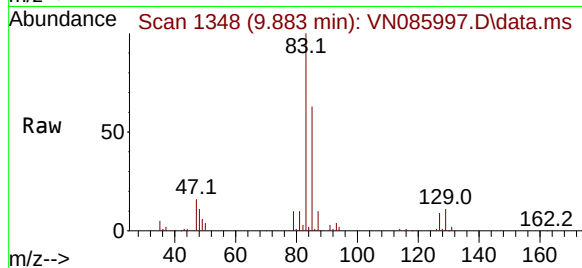
127 8.9 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#48

Methyl methacrylate

Concen: 52.192 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

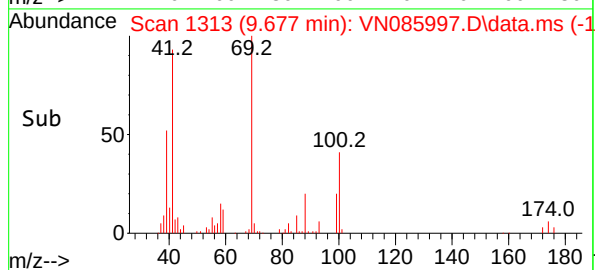
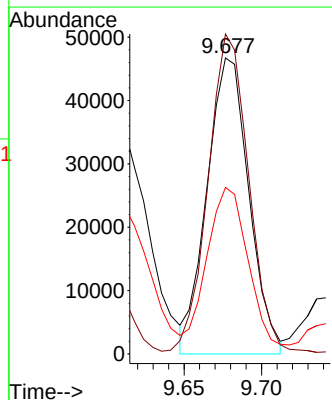
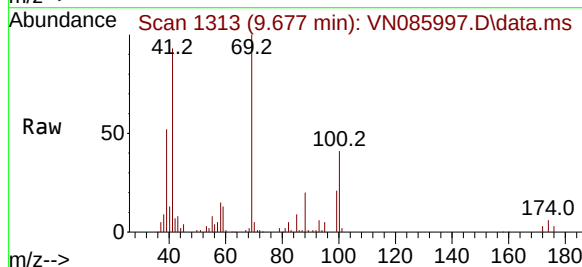
Tgt Ion: 41 Resp: 87911

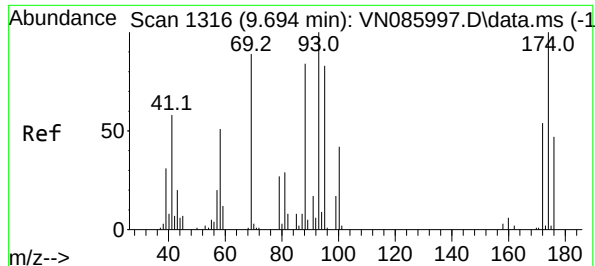
Ion Ratio Lower Upper

41 100

69 103.9 83.1 124.7

39 57.0 45.6 68.4





#49

1,4-Dioxane

Concen: 1050.235 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 41818

Ion Ratio Lower Upper

88 100

43 27.1 21.7 32.5

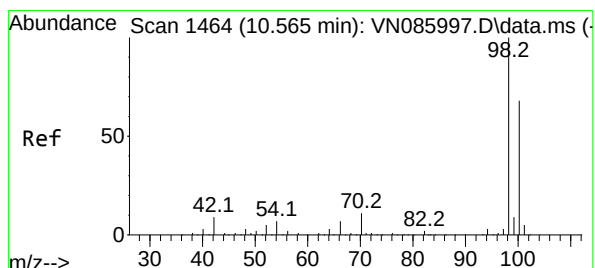
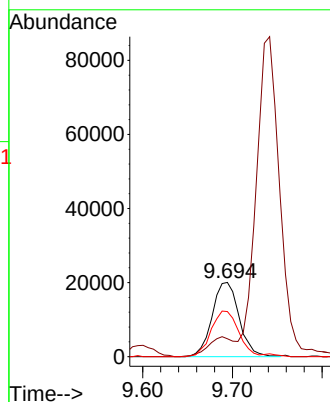
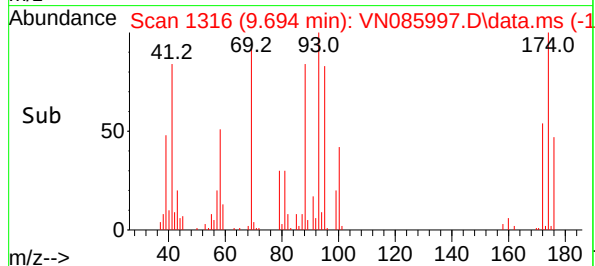
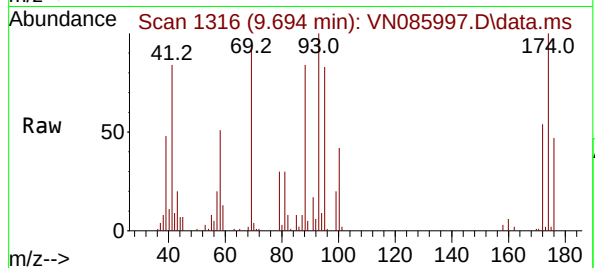
58 63.0 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 49.972 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085997.D

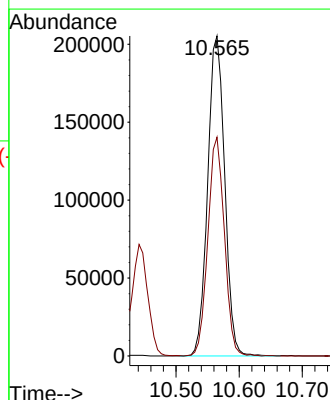
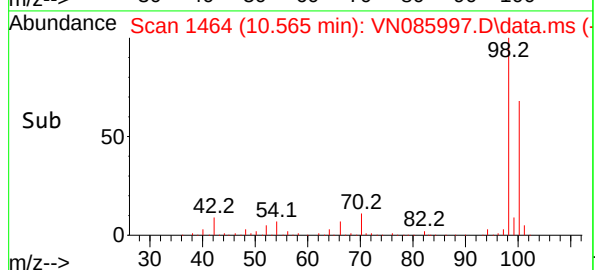
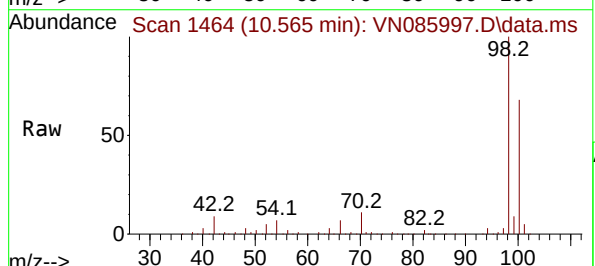
Acq: 18 Mar 2025 12:08

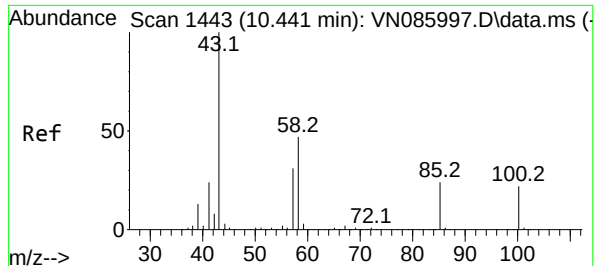
Tgt Ion: 98 Resp: 384569

Ion Ratio Lower Upper

98 100

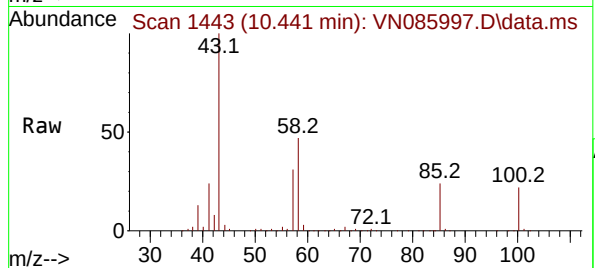
100 66.4 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 259.501 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

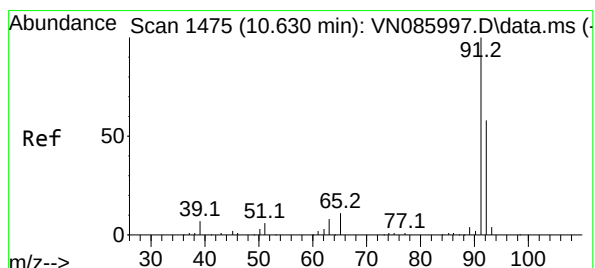
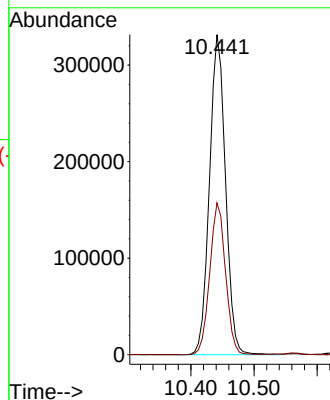
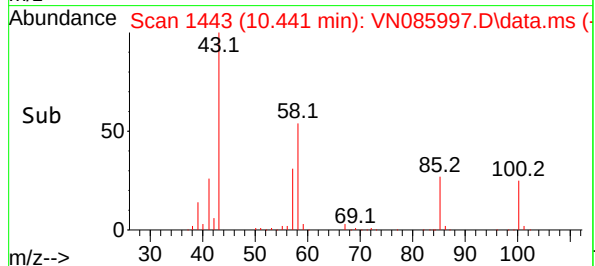
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 58416
Ion Ratio Lower Upper
43 100
58 46.7 37.4 56.0

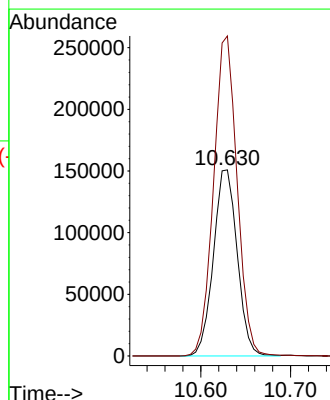
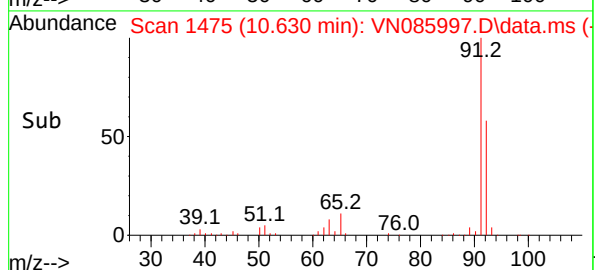
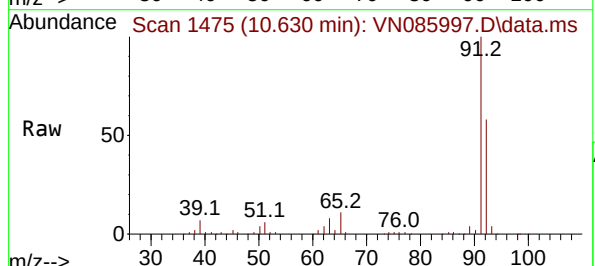
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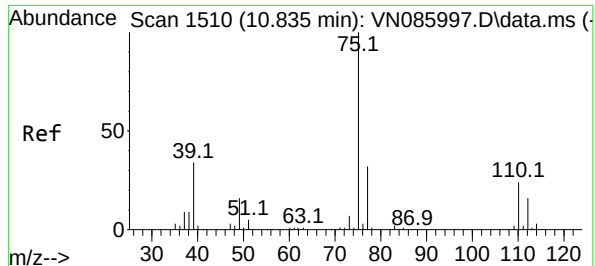
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 51.661 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

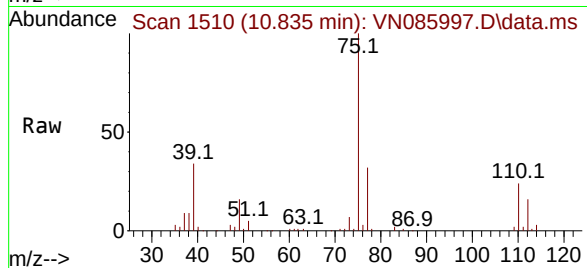
Tgt Ion: 92 Resp: 277914
Ion Ratio Lower Upper
92 100
91 170.3 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 51.430 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

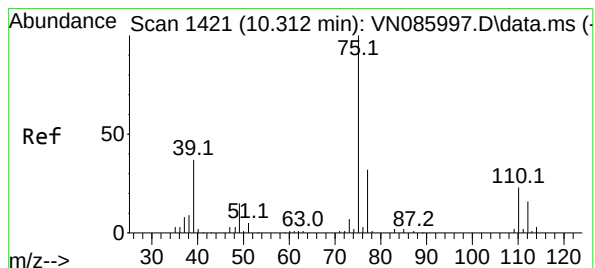
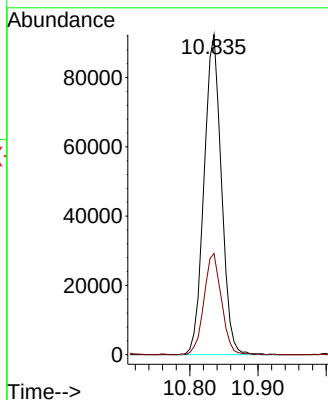
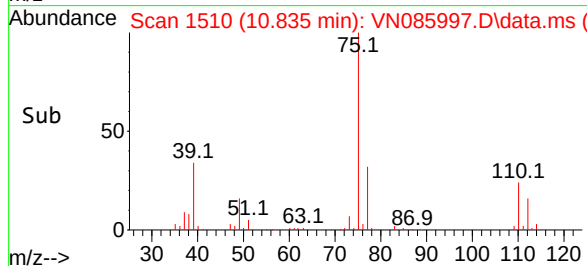
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 163659
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

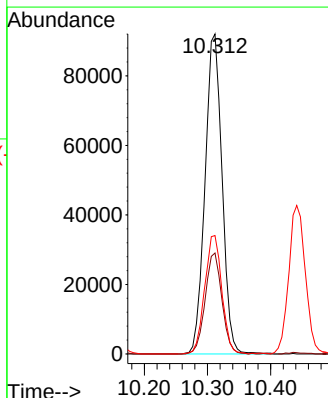
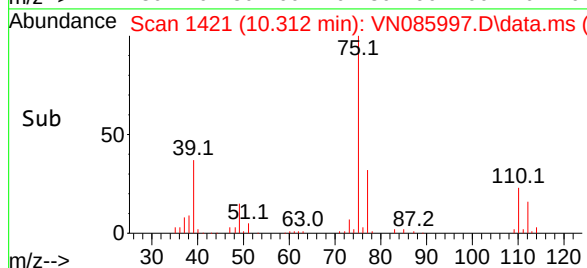
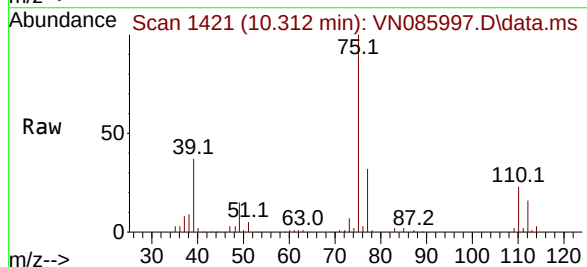
Manual Integrations
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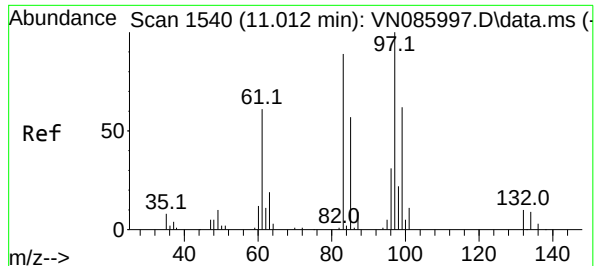
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 51.366 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 75 Resp: 172456
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 37.0 29.6 44.4





#55

1,1,2-Trichloroethane

Concen: 48.343 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 99259

Ion Ratio Lower Upper

97 100

83 89.0 71.2 106.8

85 56.7 45.4 68.0

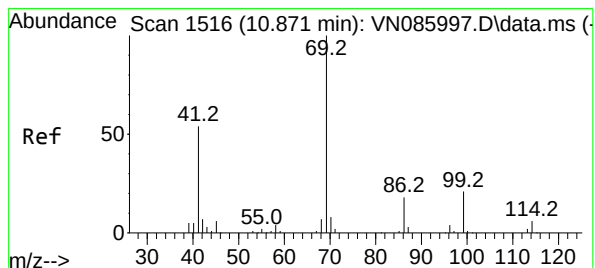
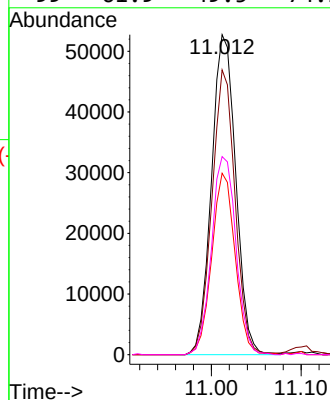
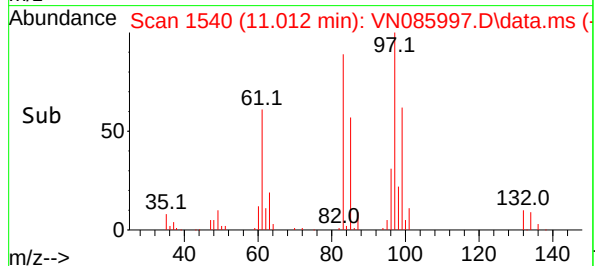
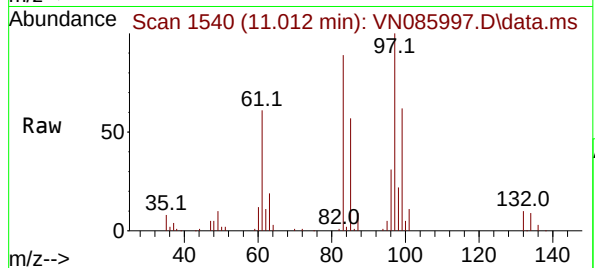
99 61.9 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#56

Ethyl methacrylate

Concen: 49.943 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

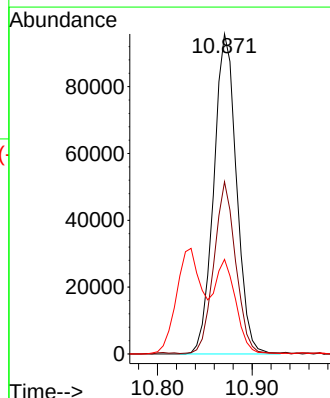
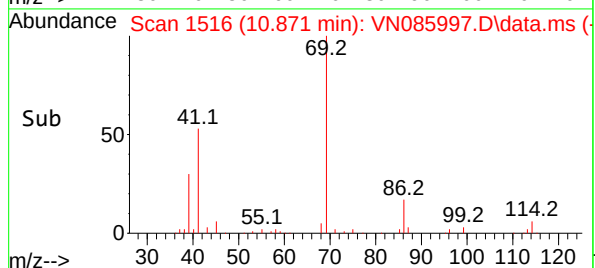
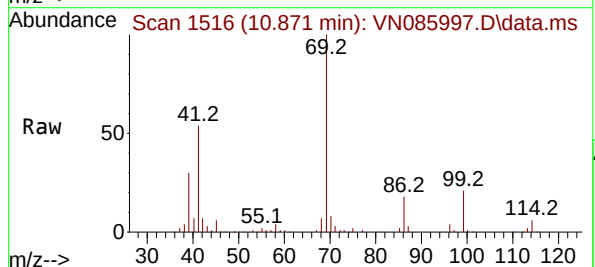
Tgt Ion: 69 Resp: 159926

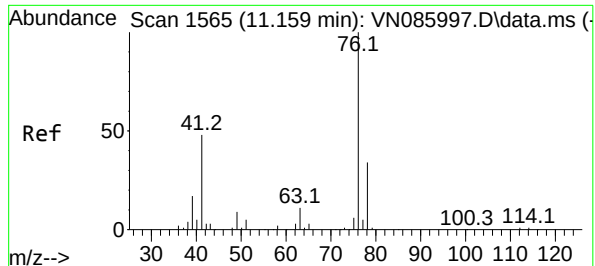
Ion Ratio Lower Upper

69 100

41 52.0 41.6 62.4

39 27.3 21.8 32.8





#57

1,3-Dichloropropane

Concen: 49.385 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 172224

Ion Ratio Lower Upper

76 100

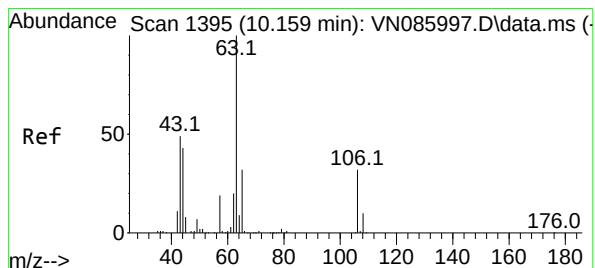
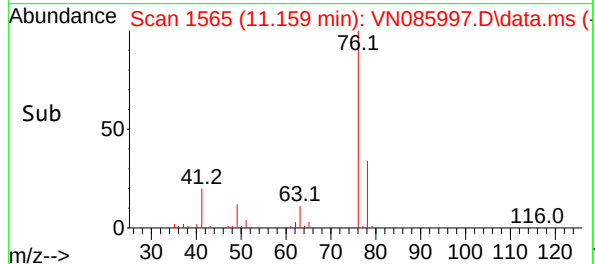
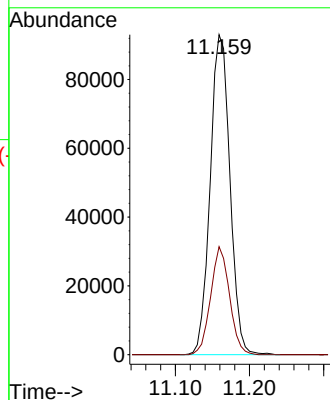
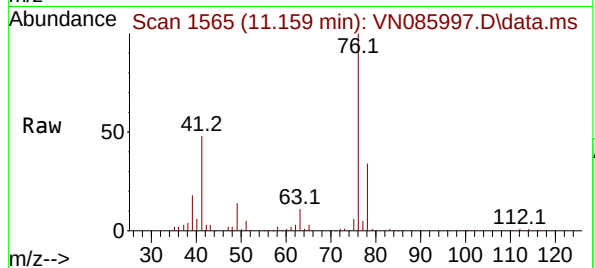
78 32.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 261.262 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085997.D

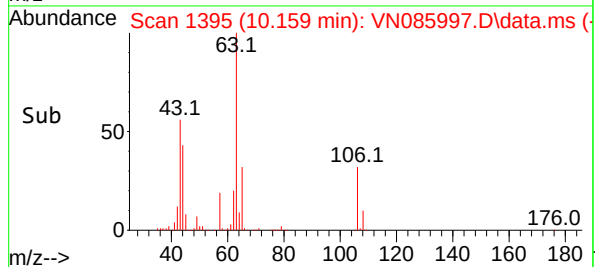
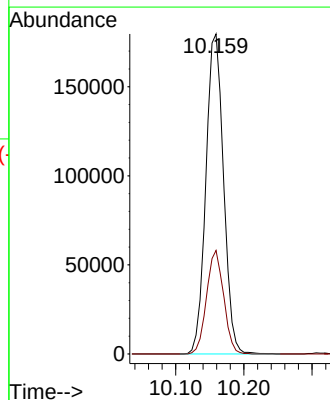
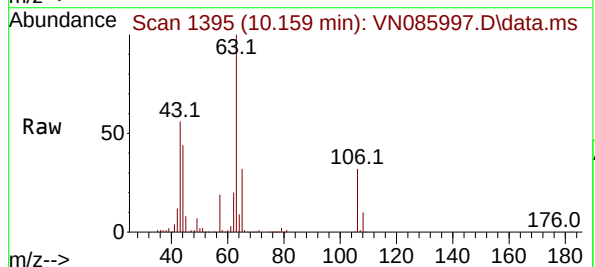
Acq: 18 Mar 2025 12:08

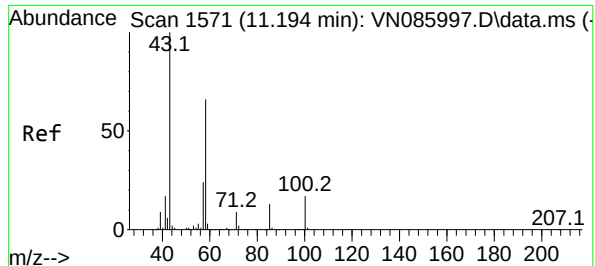
Tgt Ion: 63 Resp: 323306

Ion Ratio Lower Upper

63 100

106 31.3 25.0 37.6





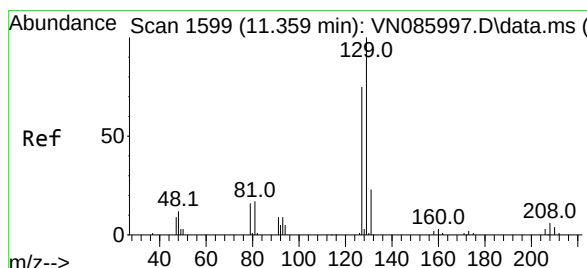
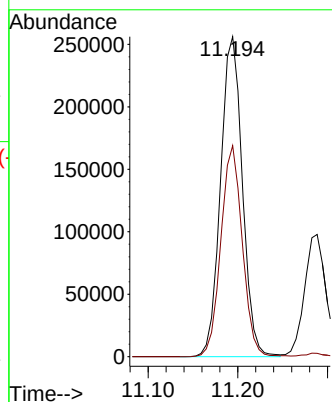
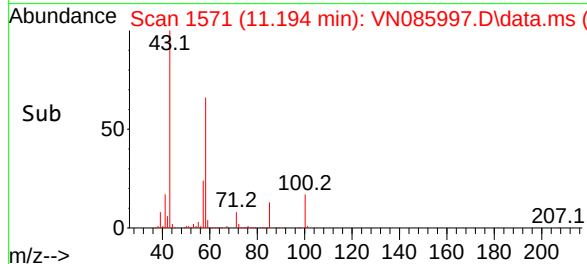
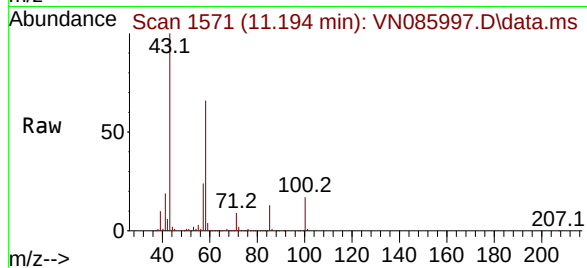
#59
2-Hexanone
Concen: 263.380 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 43192
Ion Ratio Lower Upper
43 100
58 64.8 32.4 97.2

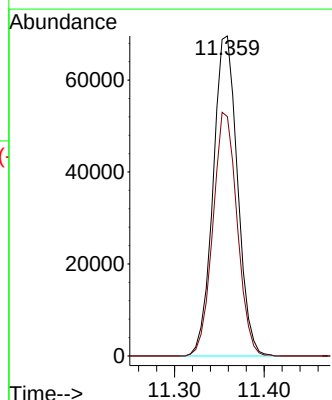
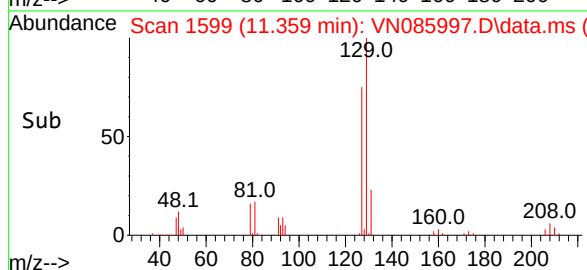
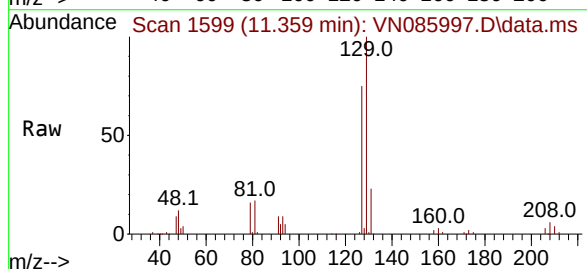
Manual Integrations
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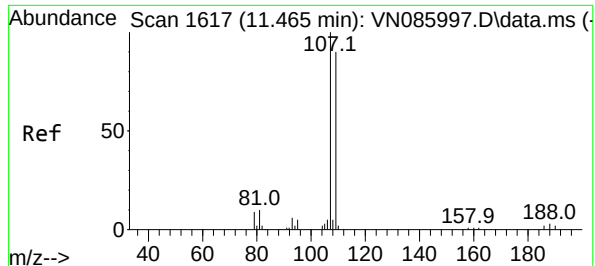
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#60
Dibromochloromethane
Concen: 49.558 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion:129 Resp: 131303
Ion Ratio Lower Upper
129 100
127 75.6 37.8 113.4





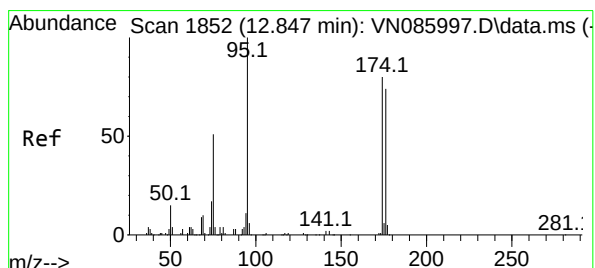
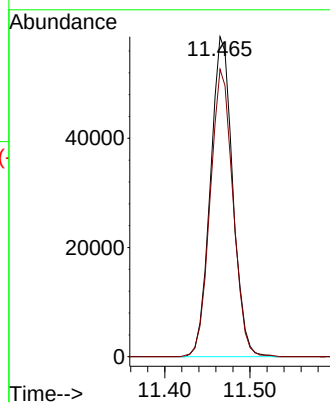
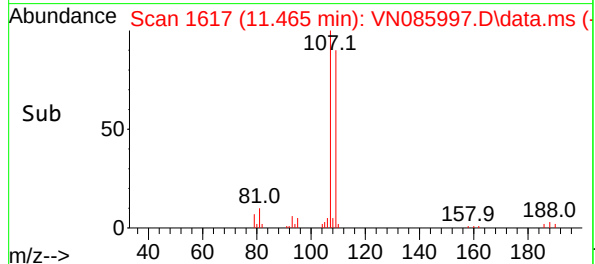
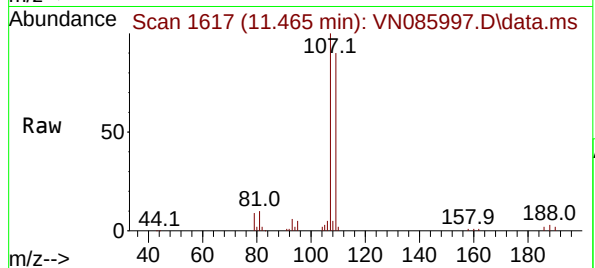
#61
1,2-Dibromoethane
Concen: 50.543 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 106539
Ion Ratio Lower Upper
107 100
109 91.6 73.3 109.9

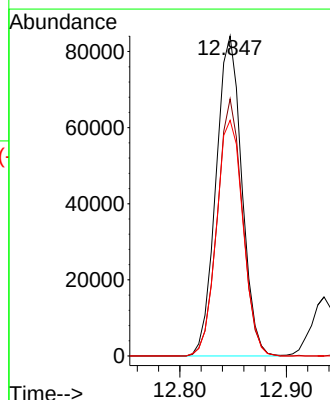
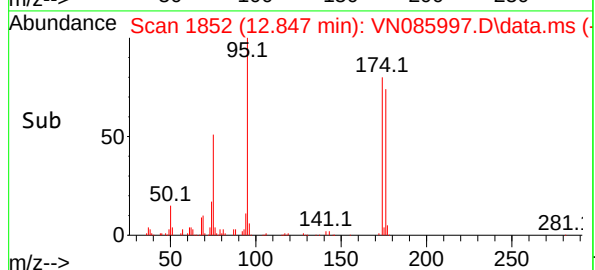
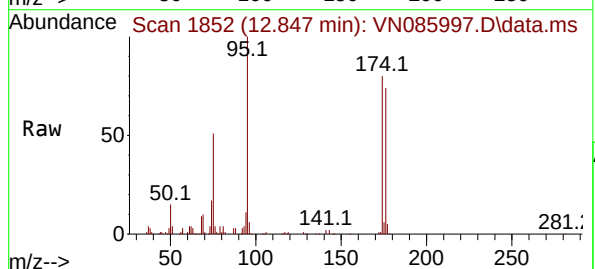
Manual Integrations
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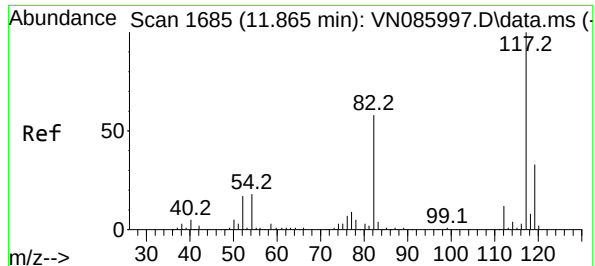
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 51.544 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 95 Resp: 141464
Ion Ratio Lower Upper
95 100
174 78.4 0.0 156.8
176 76.1 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:117 Resp: 27351

Ion Ratio Lower Upper

117 100

82 58.4 46.7 70.1

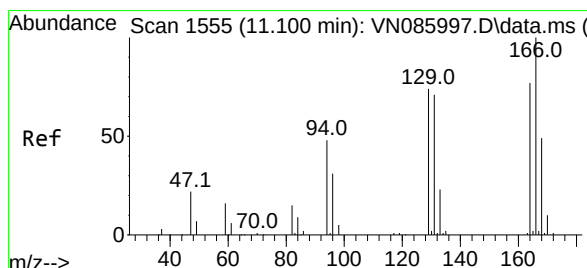
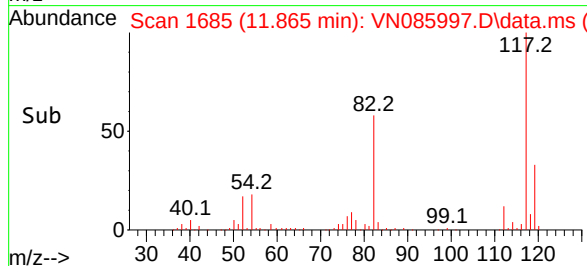
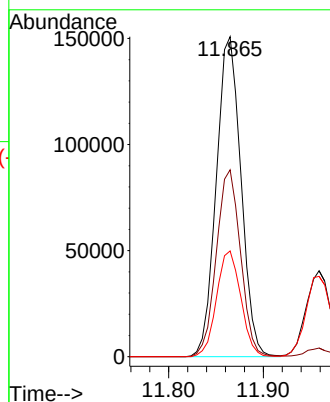
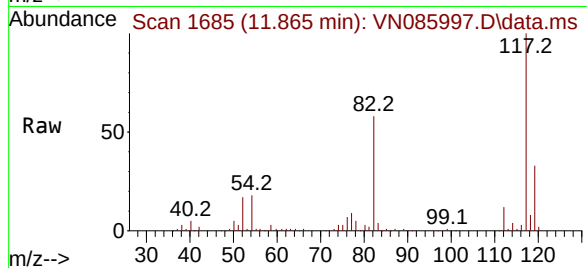
119 33.1 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#64

Tetrachloroethene

Concen: 46.478 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Tgt Ion:164 Resp: 101407

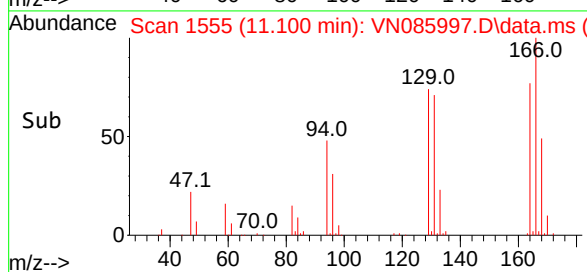
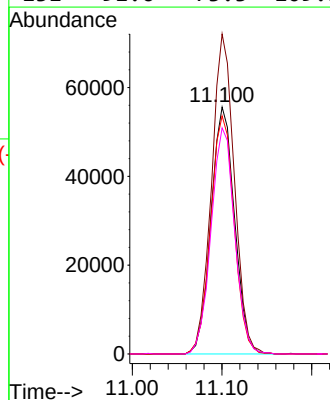
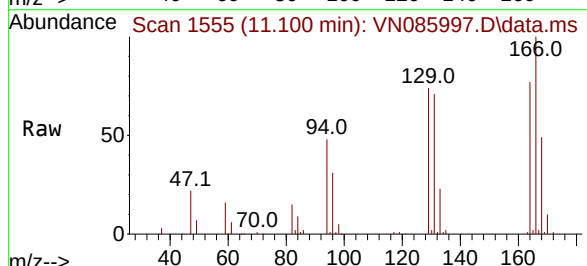
Ion Ratio Lower Upper

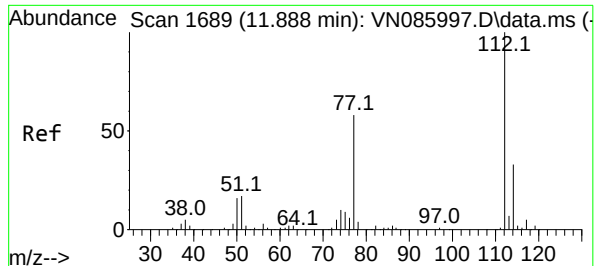
164 100

166 129.6 103.7 155.5

129 96.4 77.1 115.7

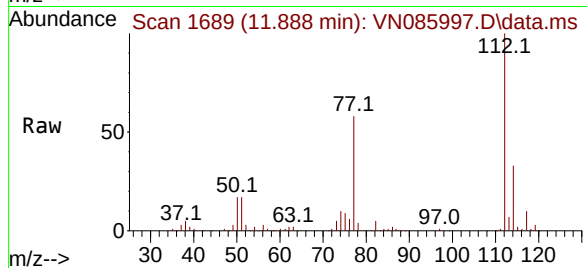
131 91.6 73.3 109.9





#65
Chlorobenzene
Concen: 47.424 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

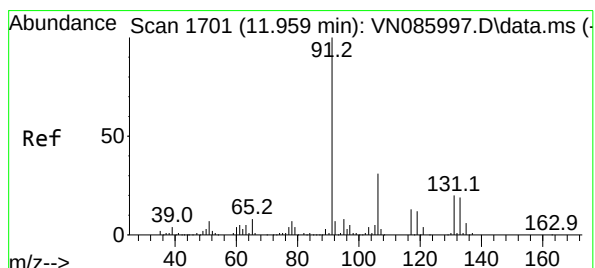
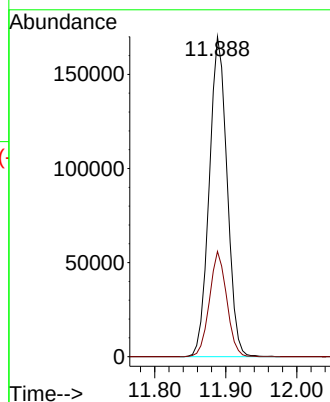
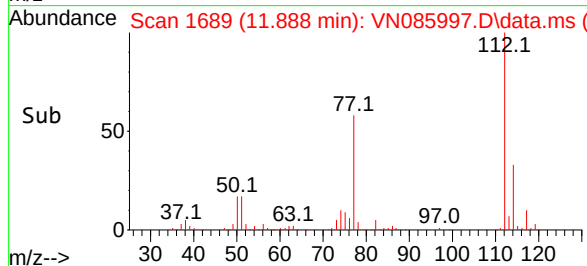
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 29681
Ion Ratio Lower Upper
112 100
114 32.9 26.3 39.5

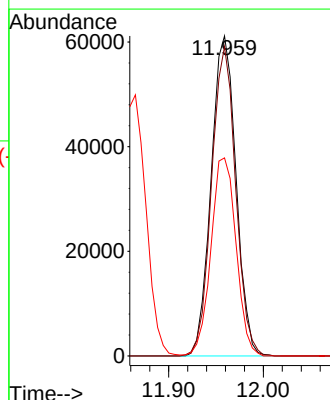
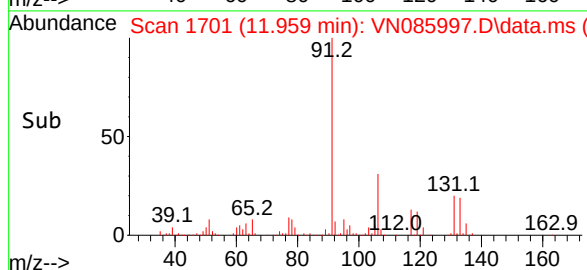
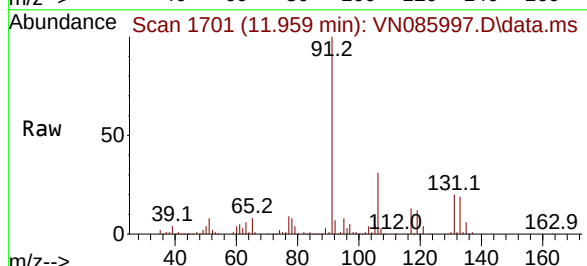
Manual Integrations
APPROVED

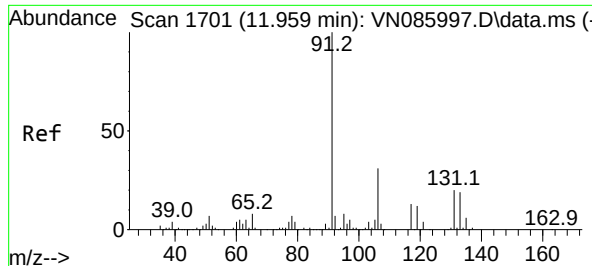
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 47.853 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion:131 Resp: 111333
Ion Ratio Lower Upper
131 100
133 94.0 47.0 141.0
119 62.7 31.4 94.0





#67

Ethyl Benzene

Concen: 52.405 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 52465

Ion Ratio Lower Upper

91 100

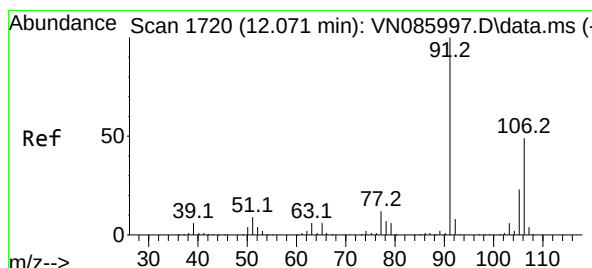
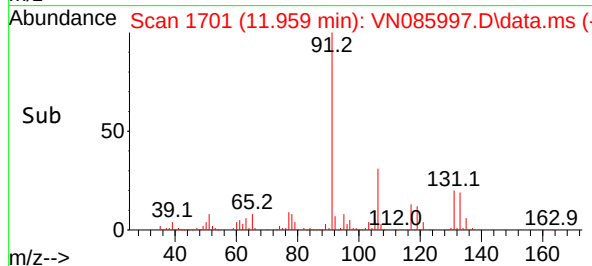
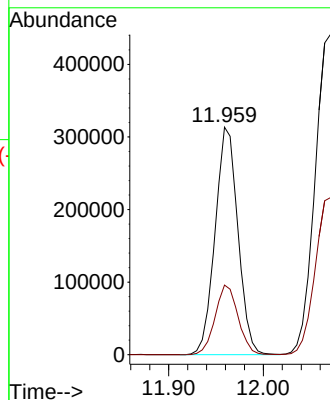
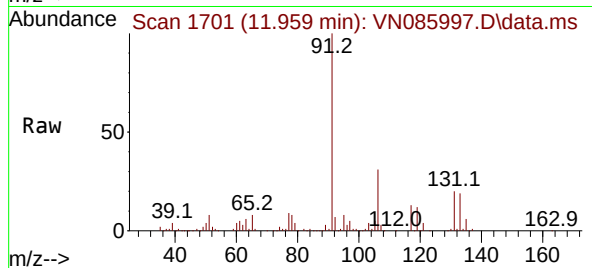
106 30.6 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#68

m/p-Xylenes

Concen: 105.075 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN085997.D

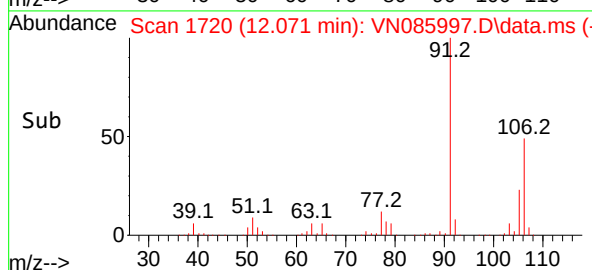
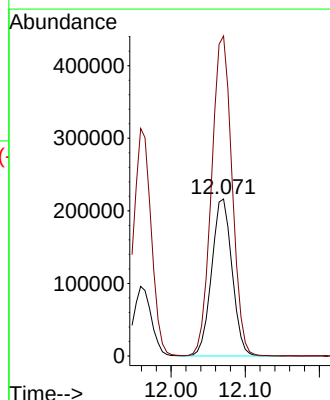
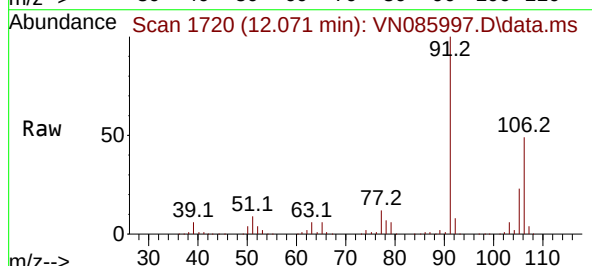
Acq: 18 Mar 2025 12:08

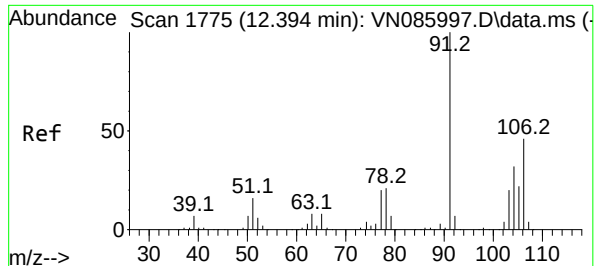
Tgt Ion:106 Resp: 413470

Ion Ratio Lower Upper

106 100

91 204.9 163.9 245.9





#69

o-Xylene

Concen: 54.023 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 195107

Ion Ratio Lower Upper

106 100

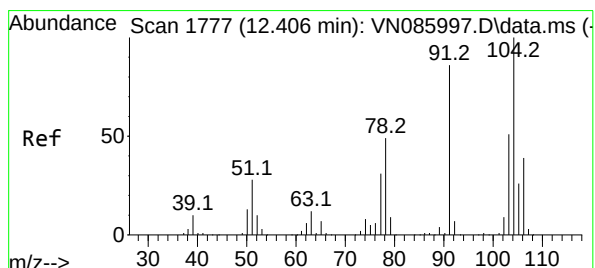
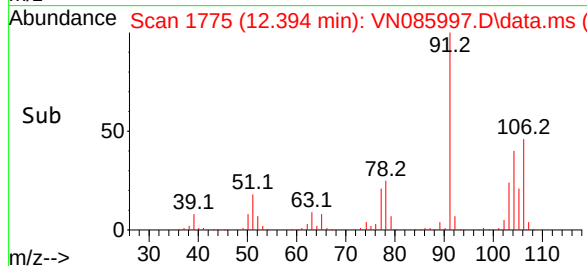
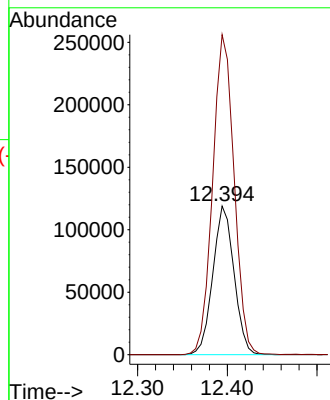
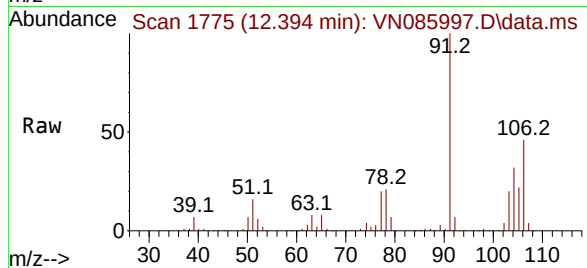
91 218.1 109.1 327.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#70

Styrene

Concen: 54.070 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

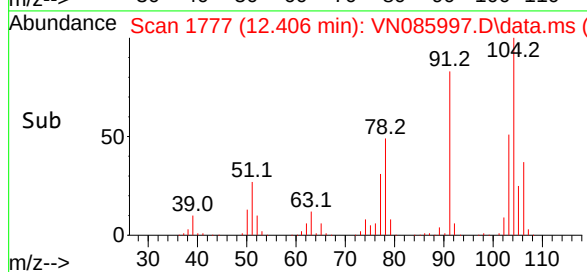
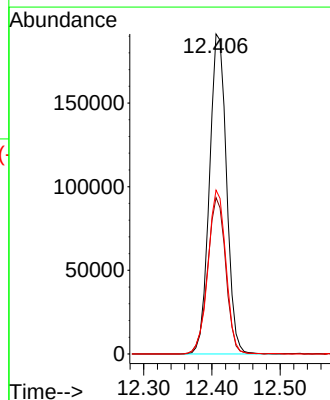
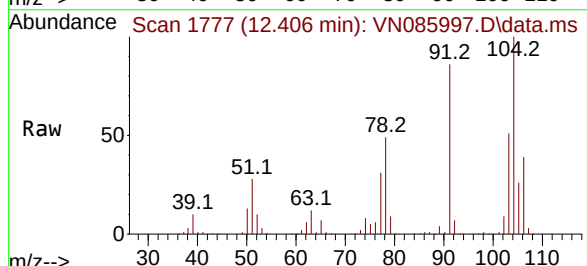
Tgt Ion:104 Resp: 333544

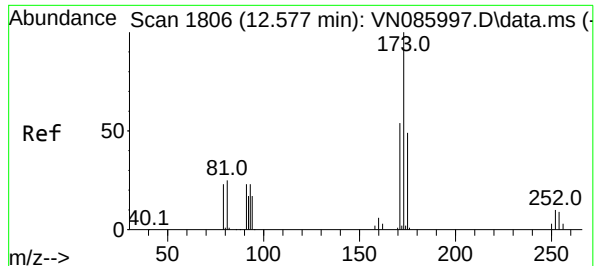
Ion Ratio Lower Upper

104 100

78 51.8 41.4 62.2

103 53.6 42.9 64.3





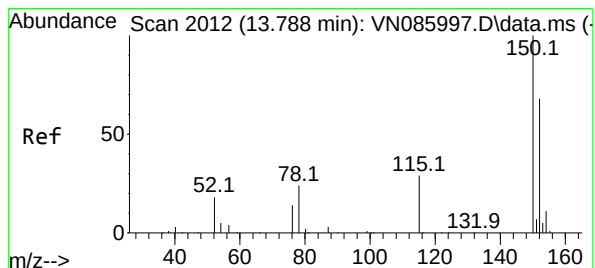
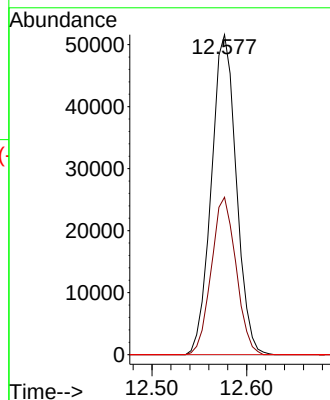
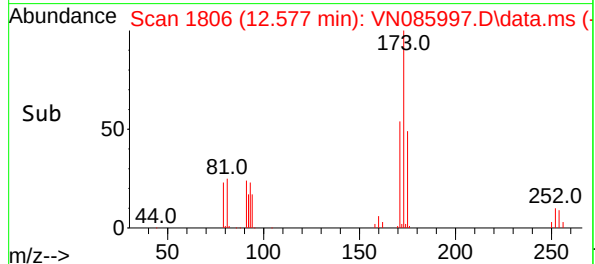
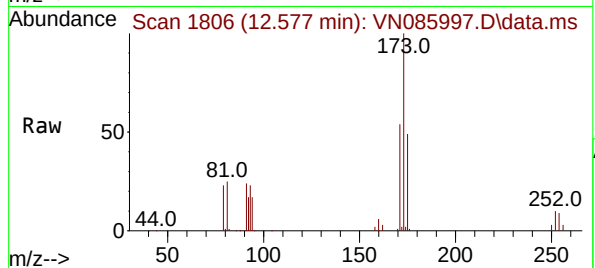
#71
Bromoform
Concen: 48.469 ug/l
RT: 12.577 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 94268
Ion Ratio Lower Upper
173 100
175 48.7 24.3 73.0
254 0.0 0.0 0.0

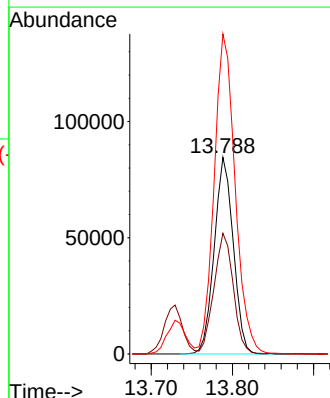
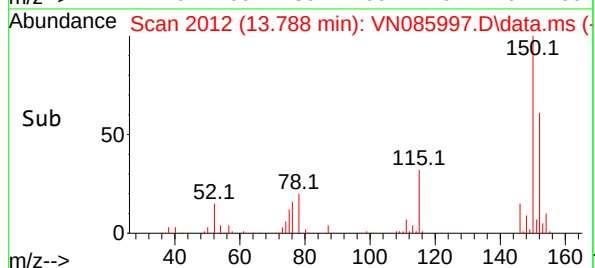
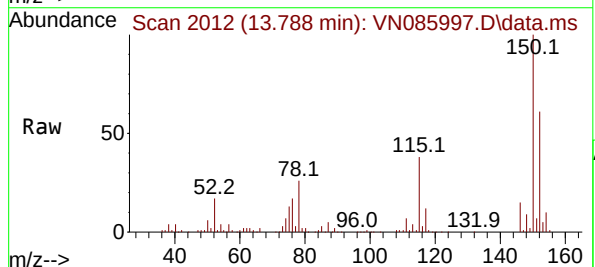
Manual Integrations
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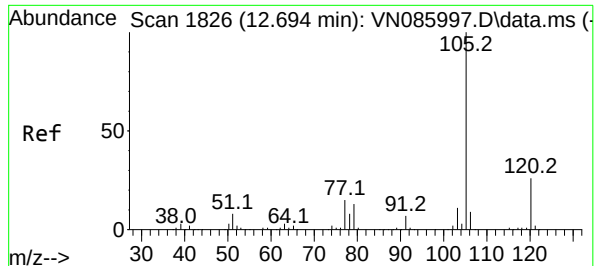
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion:152 Resp: 137905
Ion Ratio Lower Upper
152 100
115 62.1 31.1 93.2
150 179.8 0.0 359.6





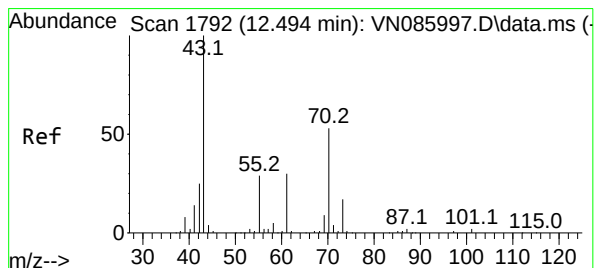
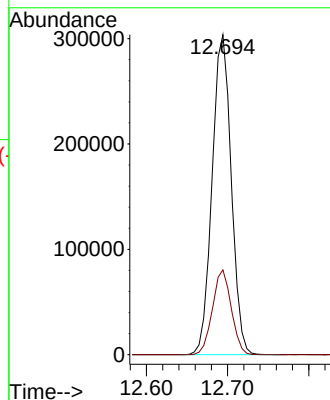
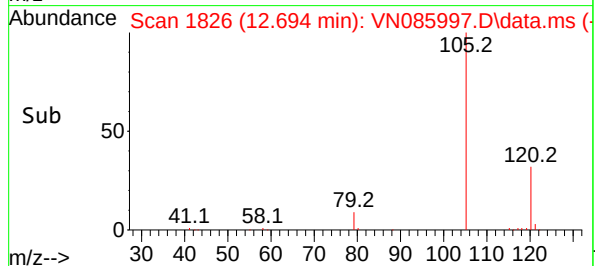
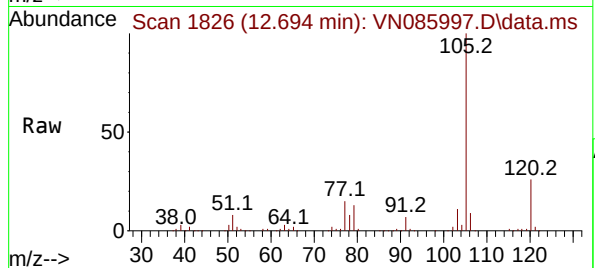
#73
Isopropylbenzene
Concen: 52.708 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 496368
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0

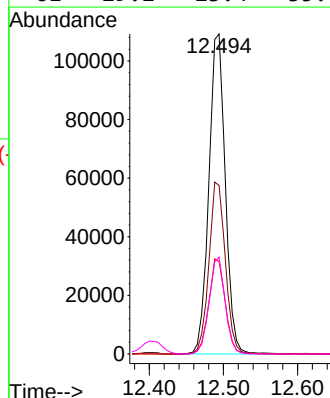
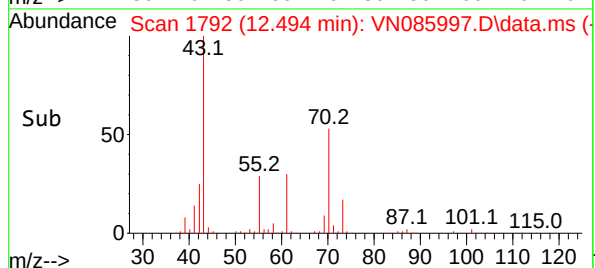
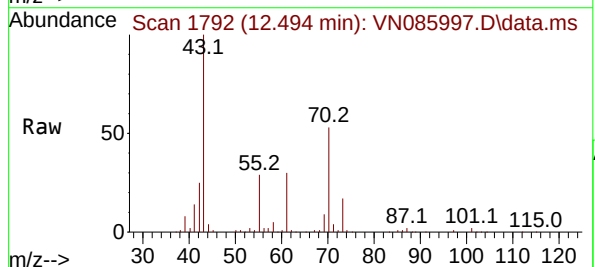
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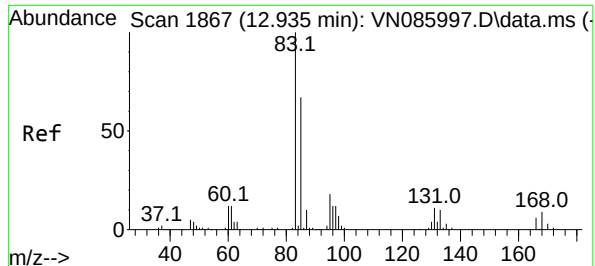
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#74
N-ethyl acetate
Concen: 53.384 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

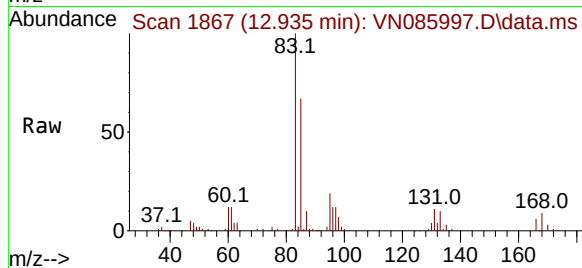
Tgt Ion: 43 Resp: 168199
Ion Ratio Lower Upper
43 100
70 53.7 43.0 64.4
55 29.8 23.8 35.8
61 29.2 23.4 35.0





#75
1,1,2,2-Tetrachloroethane
Concen: 45.522 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

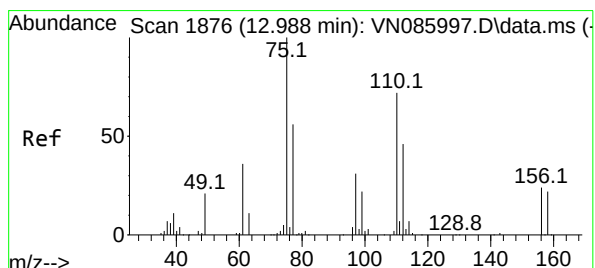
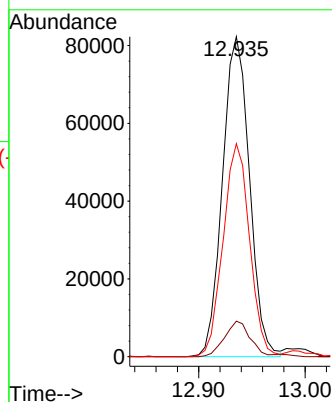
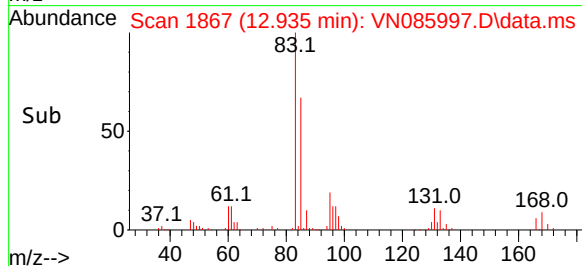
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 145034
Ion Ratio Lower Upper
83 100
131 11.0 5.5 16.5
85 65.2 32.6 97.8

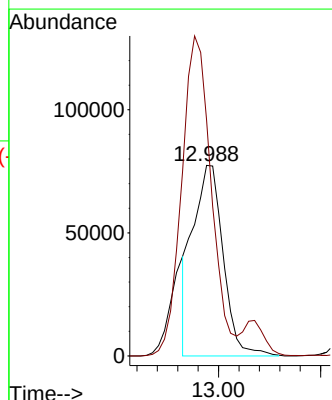
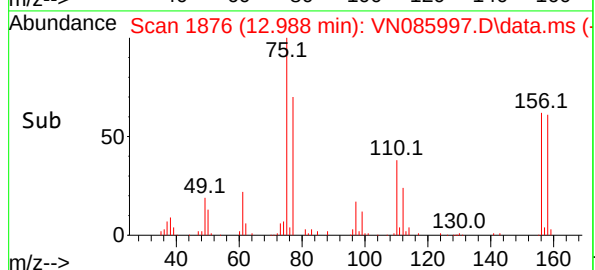
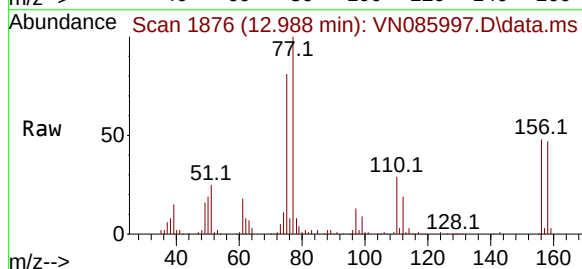
Manual Integrations
APPROVED

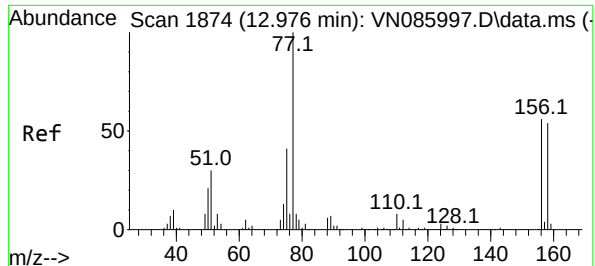
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 50.737 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

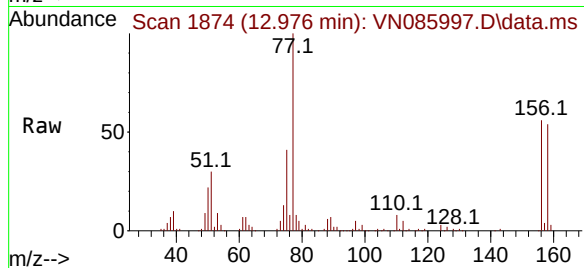
Tgt Ion: 75 Resp: 159517
Ion Ratio Lower Upper
75 100
77 163.7 83.7 251.0





#77
Bromobenzene
Concen: 47.769 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

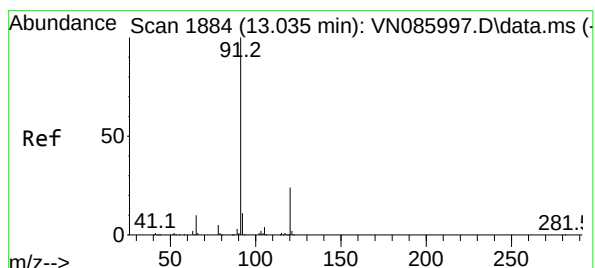
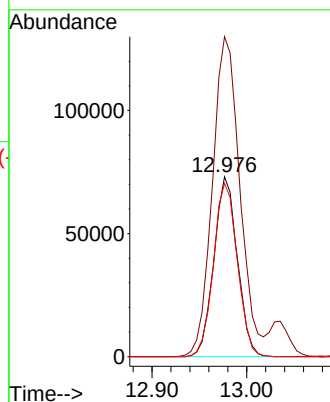
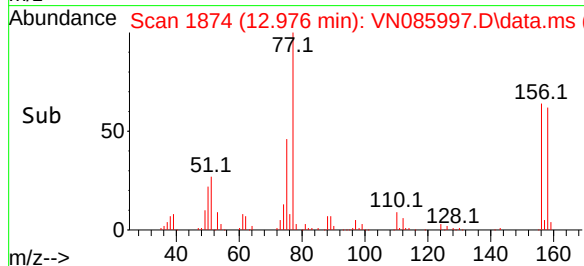
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:156 Resp: 125430
Ion Ratio Lower Upper
156 100
77 208.2 104.1 312.3
158 98.0 49.0 147.0

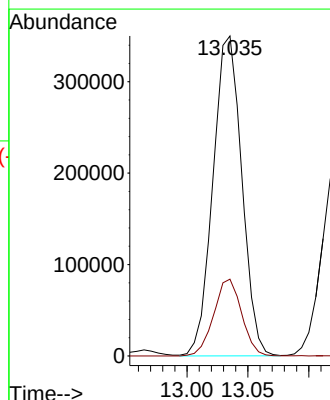
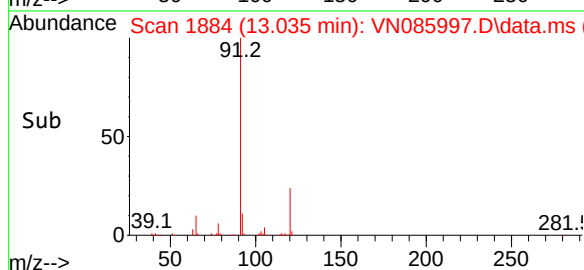
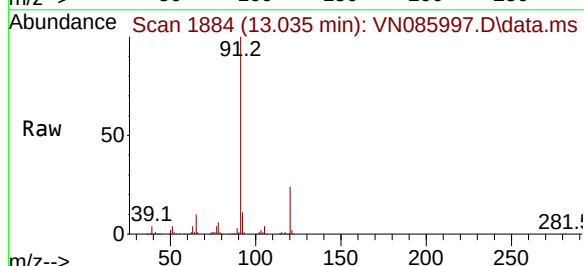
Manual Integrations
APPROVED

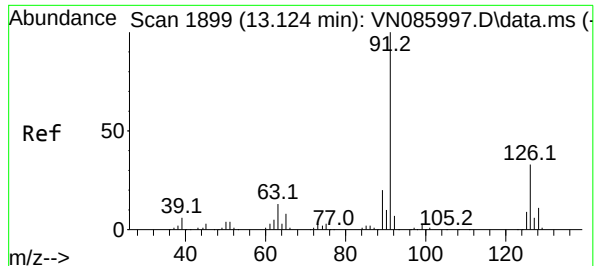
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#78
n-propylbenzene
Concen: 54.089 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 91 Resp: 576797
Ion Ratio Lower Upper
91 100
120 23.3 11.7 35.0





#79

2-Chlorotoluene

Concen: 51.012 ug/l

RT: 13.124 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 361320

Ion Ratio Lower Upper

91 100

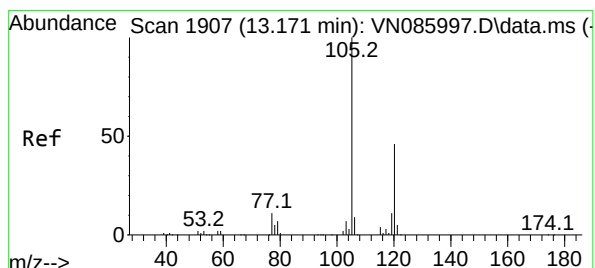
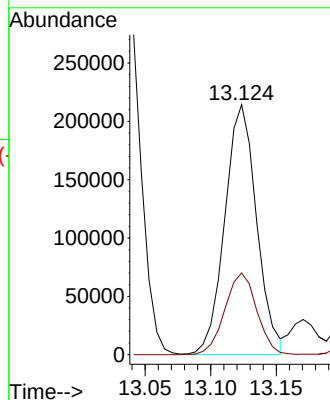
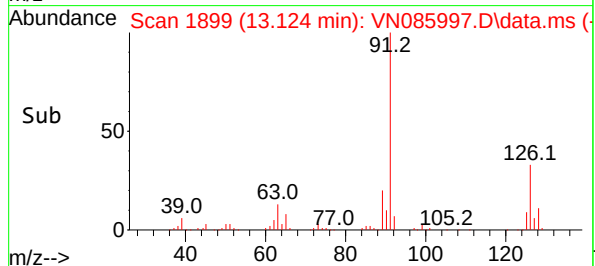
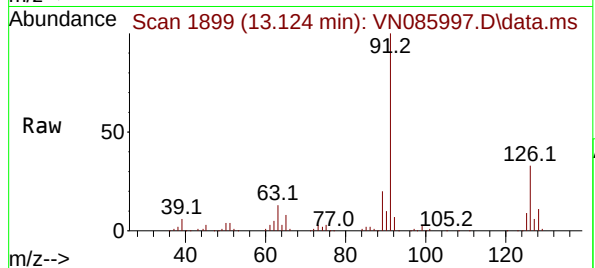
126 32.8 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 54.088 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085997.D

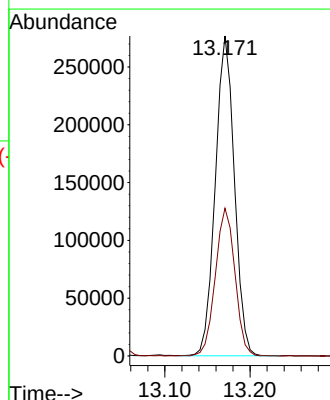
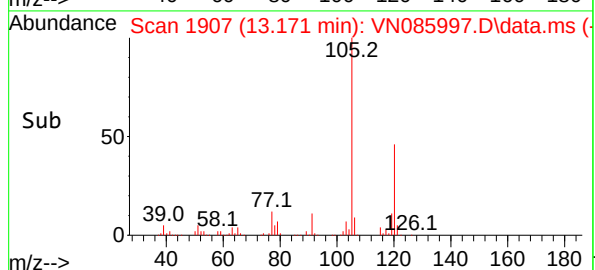
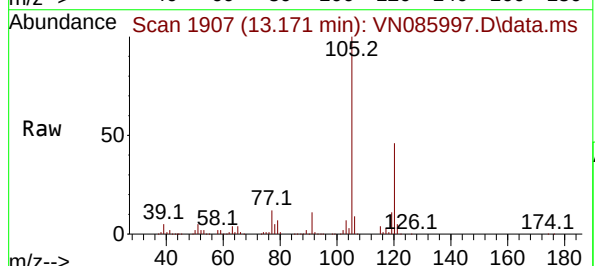
Acq: 18 Mar 2025 12:08

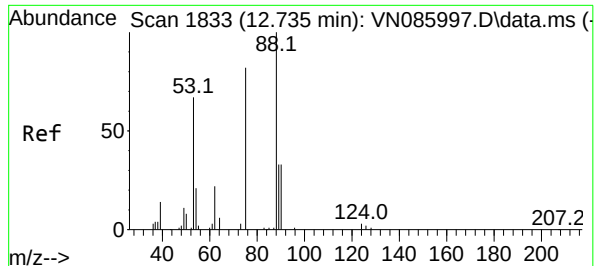
Tgt Ion:105 Resp: 430051

Ion Ratio Lower Upper

105 100

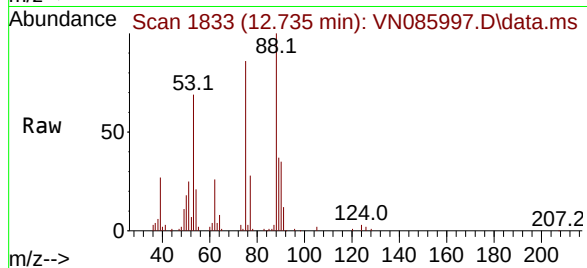
120 47.4 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 48.881 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

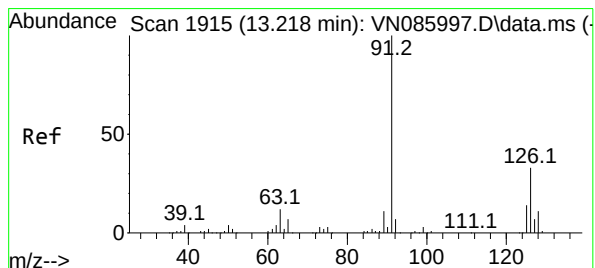
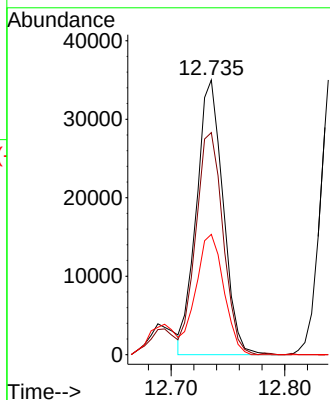
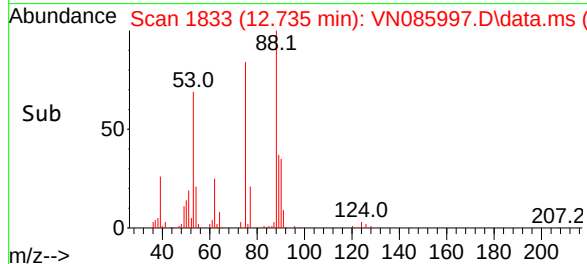
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 57082
Ion Ratio Lower Upper
75 100
53 82.5 66.0 99.0
89 46.1 36.9 55.3

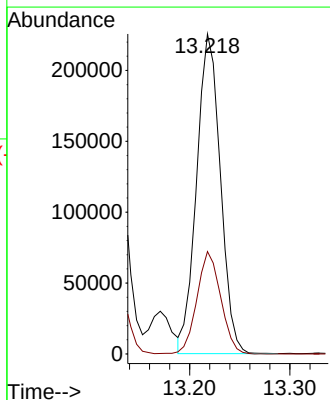
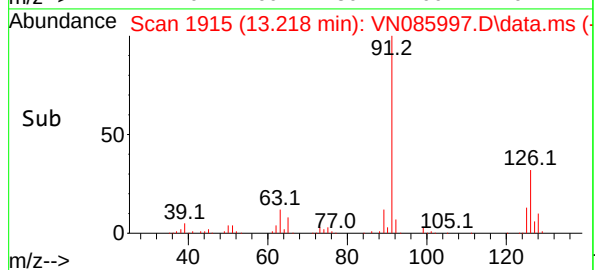
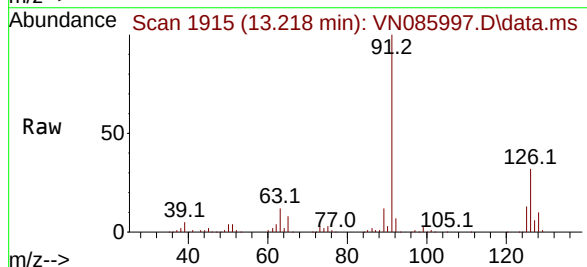
Manual Integrations
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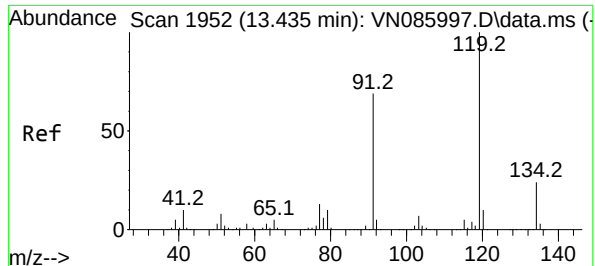
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 51.036 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

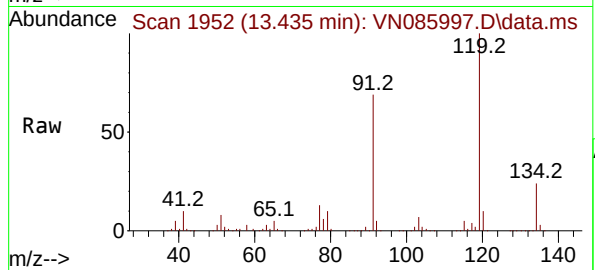
Tgt Ion: 91 Resp: 371739
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.2





#83
tert-Butylbenzene
Concen: 51.660 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

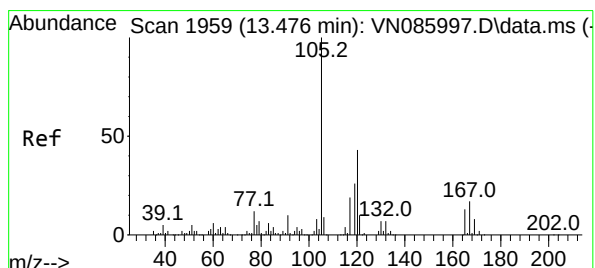
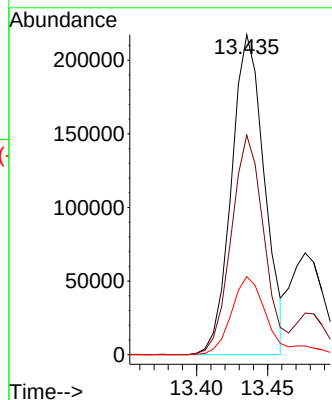
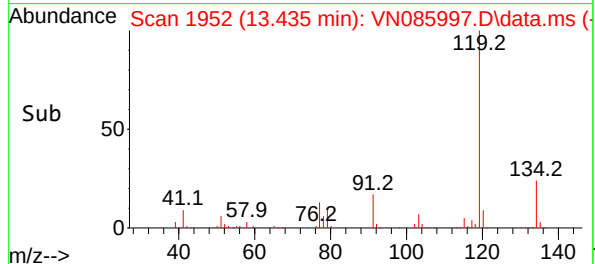
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:119 Resp: 351299
Ion Ratio Lower Upper
119 100
91 68.6 34.3 102.9
134 27.0 13.5 40.5

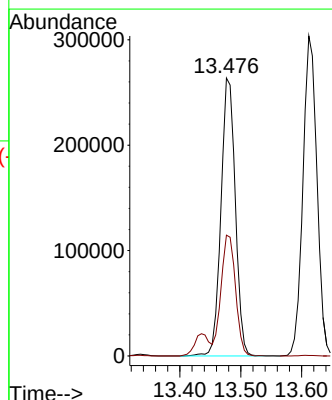
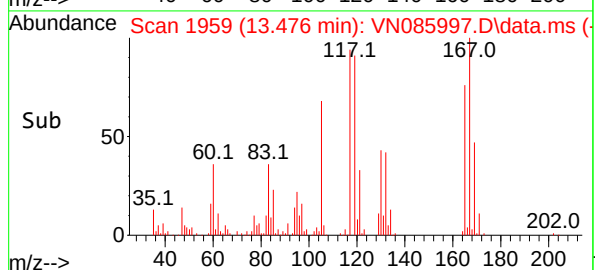
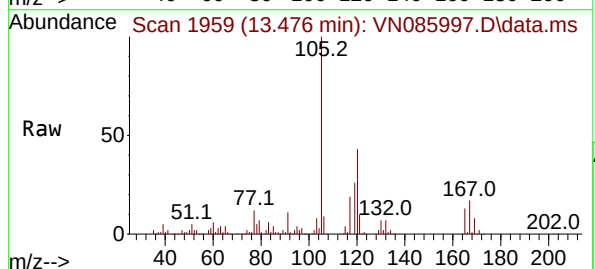
Manual Integrations
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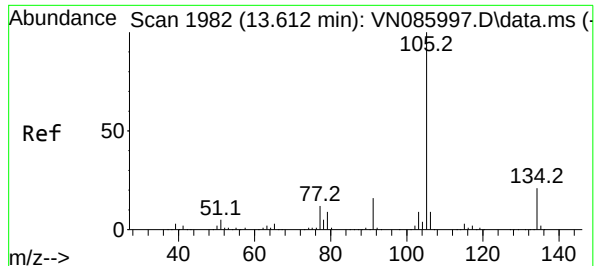
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 53.825 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

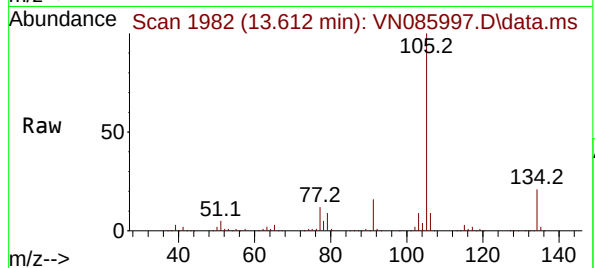
Tgt Ion:105 Resp: 431645
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.8





#85
sec-Butylbenzene
Concen: 54.622 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

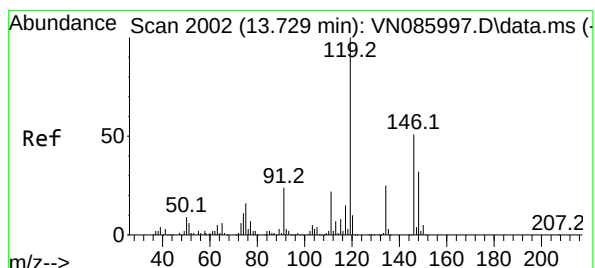
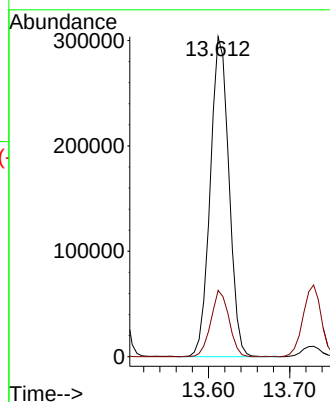
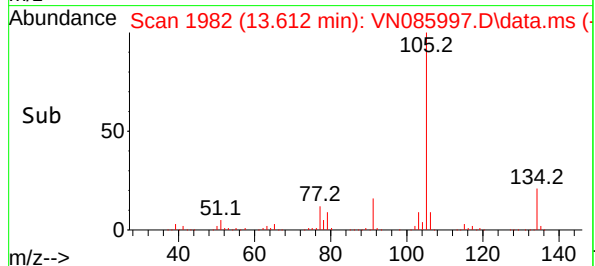
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 48455
Ion Ratio Lower Upper
105 100
134 20.1 10.1 30.1

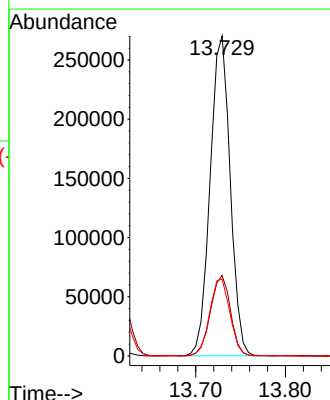
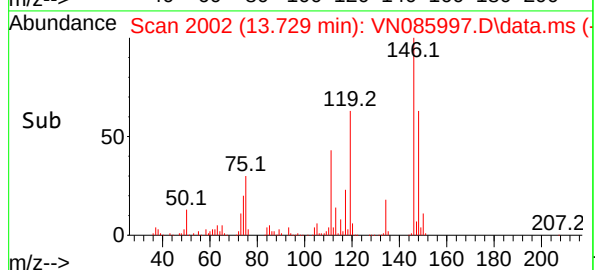
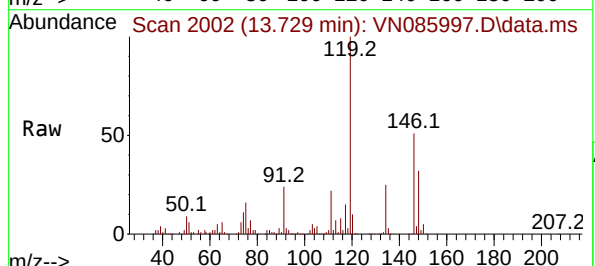
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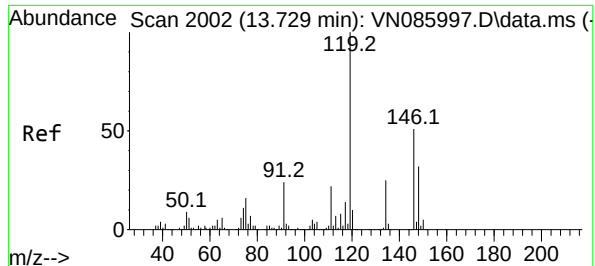
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#86
p-Isopropyltoluene
Concen: 55.774 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion:119 Resp: 418830
Ion Ratio Lower Upper
119 100
134 25.2 12.6 37.8
91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 49.090 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

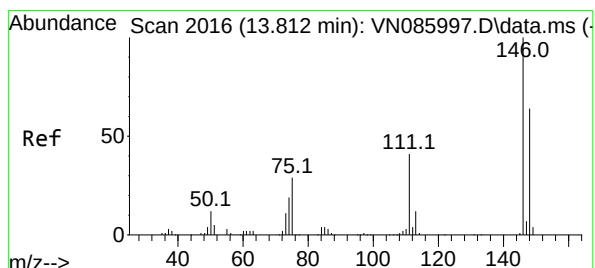
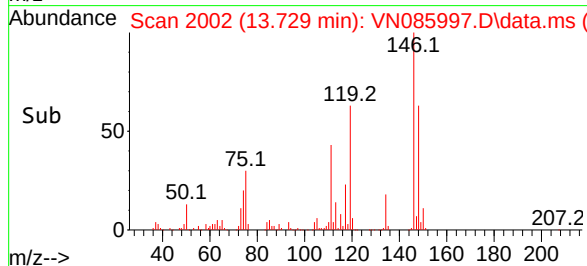
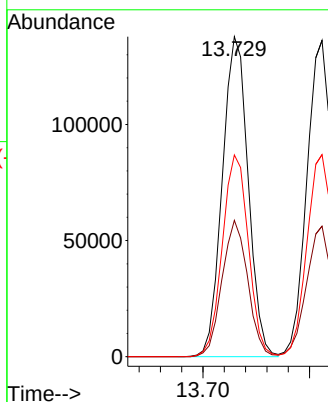
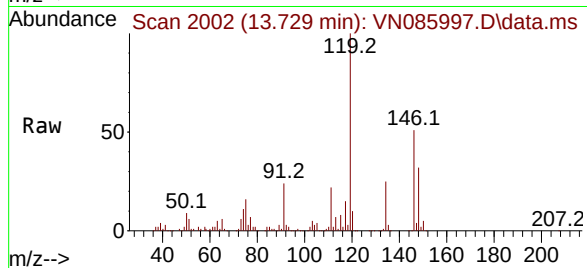
Tgt Ion:146 Resp: 23235
Ion Ratio Lower Upper
146 100
111 42.4 21.2 63.6
148 63.6 31.8 95.4

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 46.213 ug/l

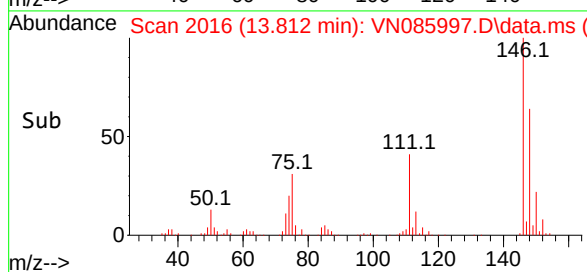
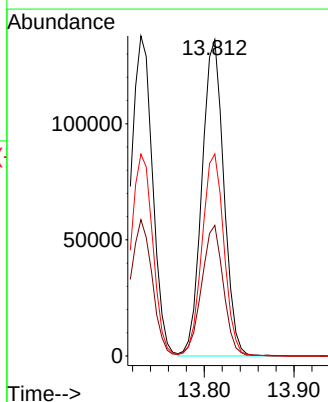
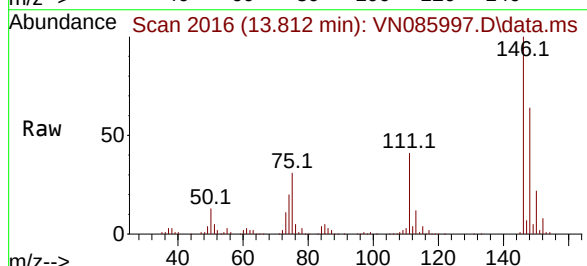
RT: 13.812 min Scan# 2016

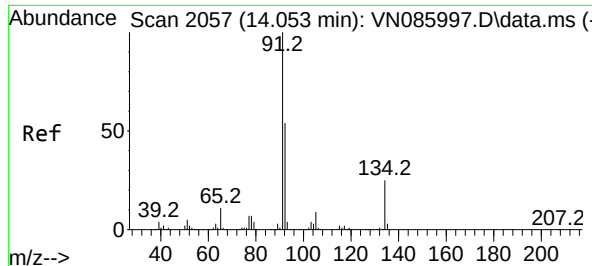
Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Tgt Ion:146 Resp: 229820
Ion Ratio Lower Upper
146 100
111 40.9 20.4 61.3
148 64.3 32.1 96.5





#89

n-Butylbenzene

Concen: 54.669 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

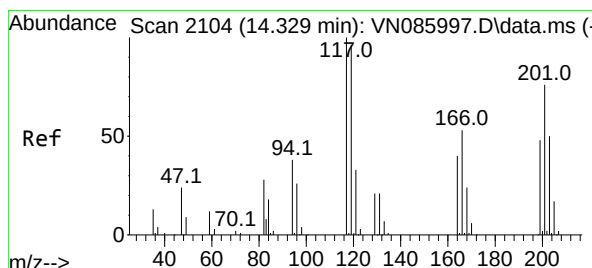
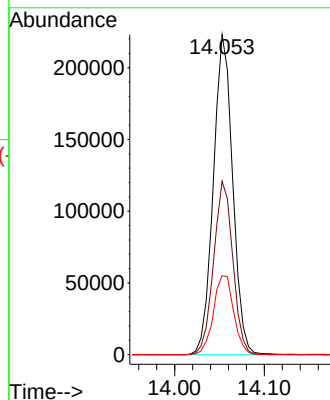
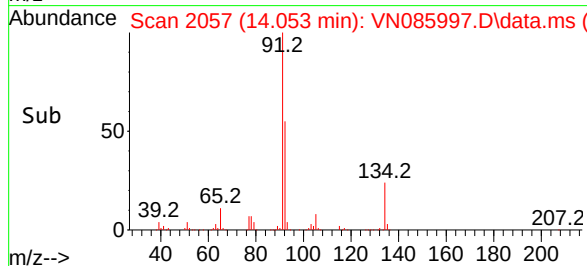
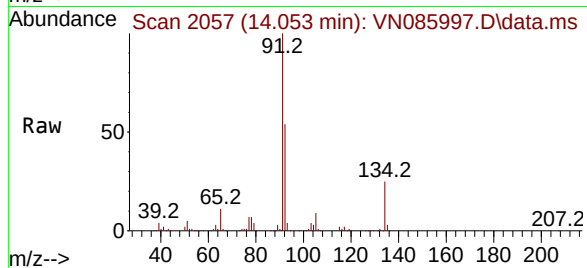
Tgt Ion:	91	Resp:	334309
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.6
134	26.0	13.0	39.0

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 46.350 ug/l

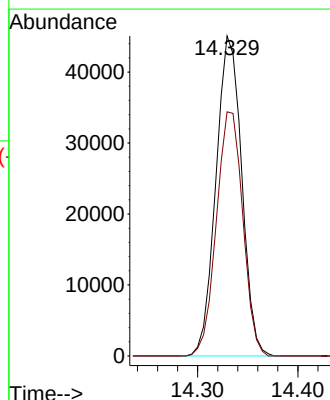
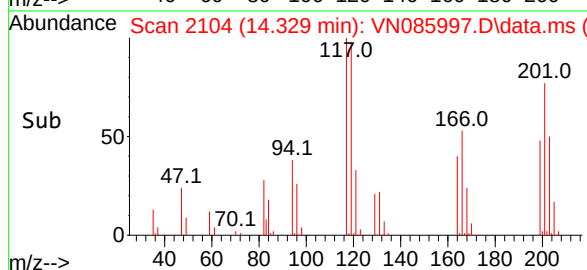
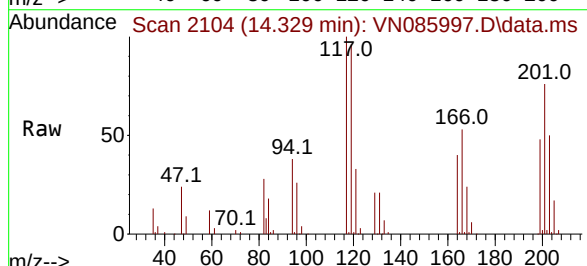
RT: 14.329 min Scan# 2104

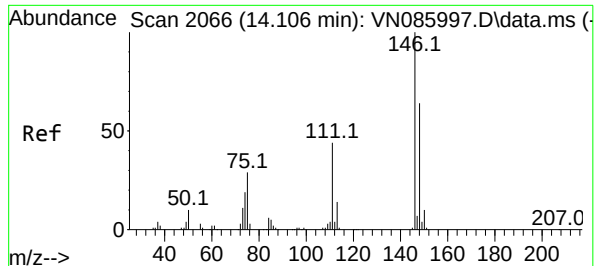
Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Tgt Ion:	117	Resp:	80312
Ion	Ratio	Lower	Upper
117	100		
201	78.2	39.1	117.3





#91

1,2-Dichlorobenzene

Concen: 46.825 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 220320

Ion Ratio Lower Upper

146 100

111 44.5 22.3 66.8

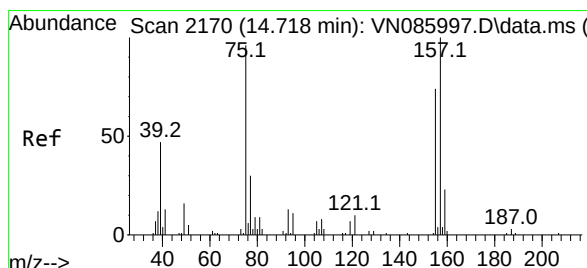
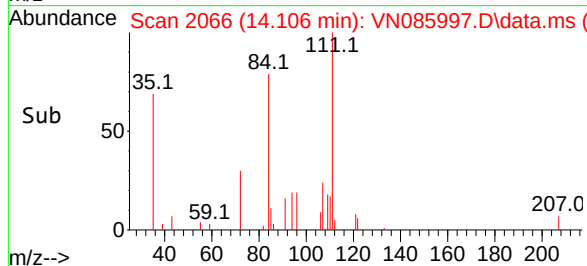
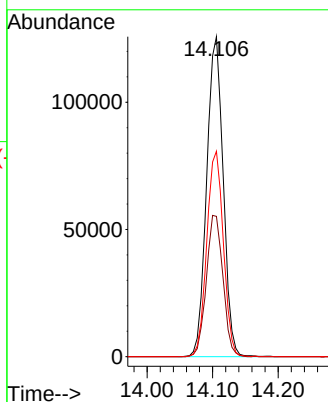
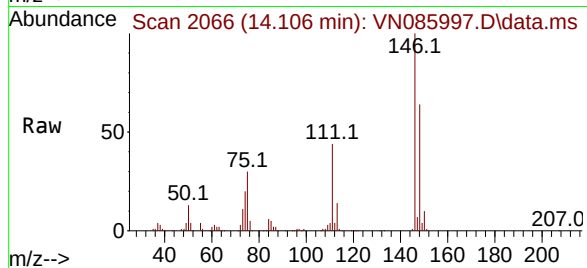
148 64.3 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.010 ug/l

RT: 14.718 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

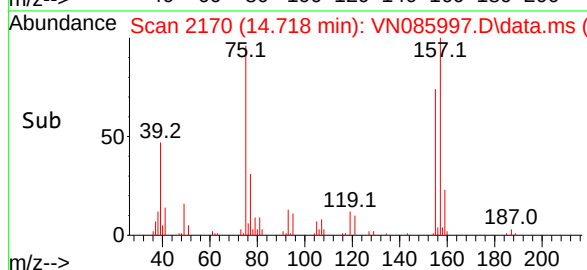
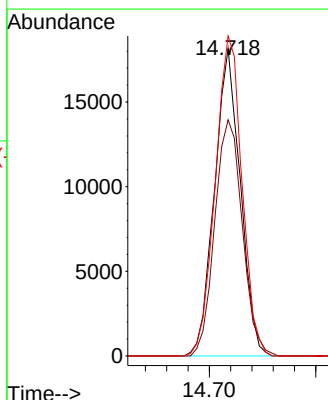
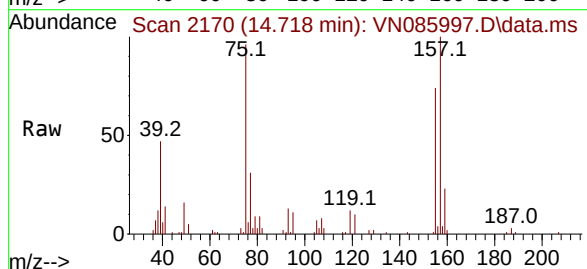
Tgt Ion: 75 Resp: 30533

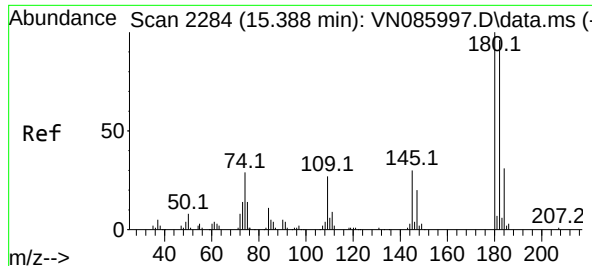
Ion Ratio Lower Upper

75 100

155 82.0 41.0 123.0

157 107.4 53.7 161.1





#93

1,2,4-Trichlorobenzene

Concen: 49.573 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN085997.D

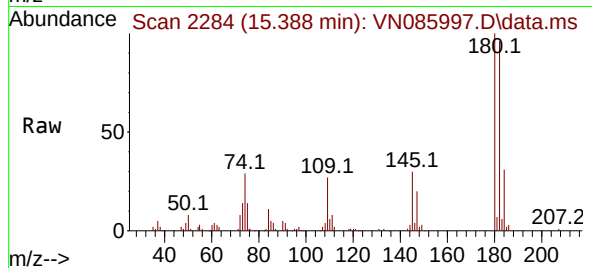
Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050



Tgt Ion:180 Resp: 11728

Ion Ratio Lower Upper

180 100

182 94.0 47.0 141.0

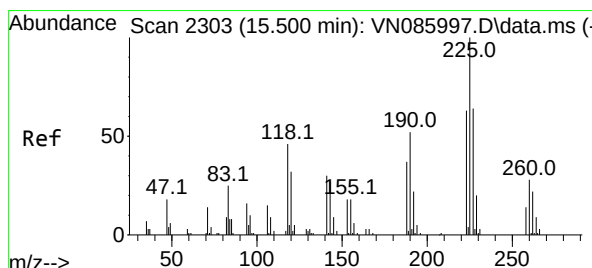
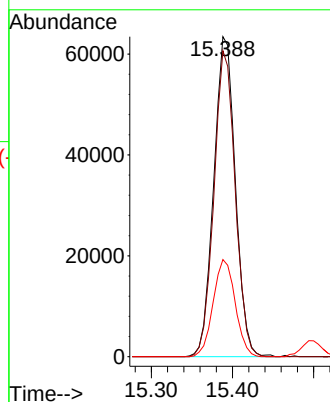
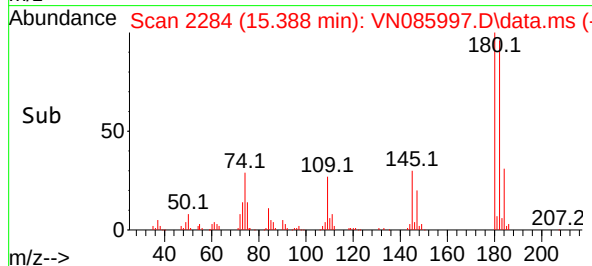
145 31.0 15.5 46.5

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 44.428 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

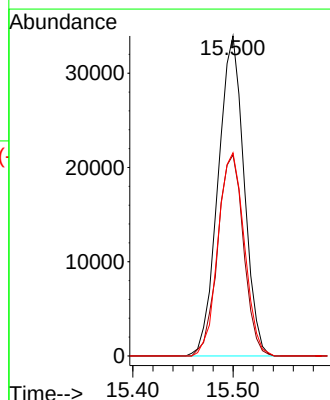
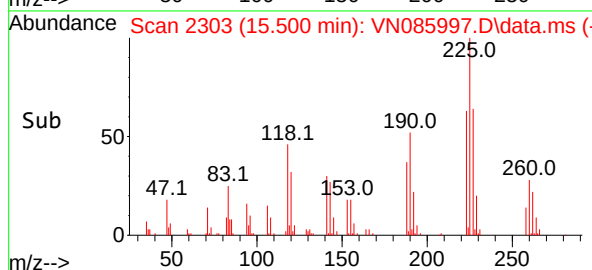
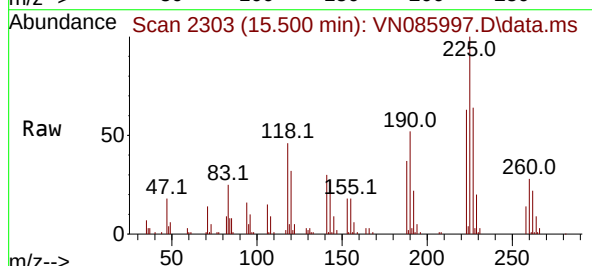
Tgt Ion:225 Resp: 60983

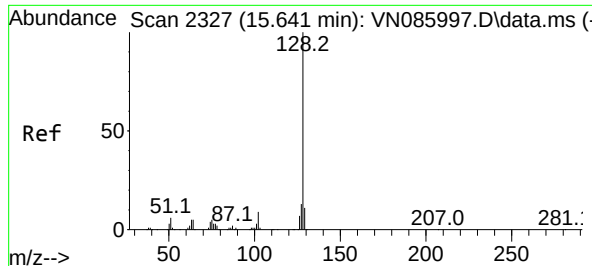
Ion Ratio Lower Upper

225 100

223 62.6 31.3 93.9

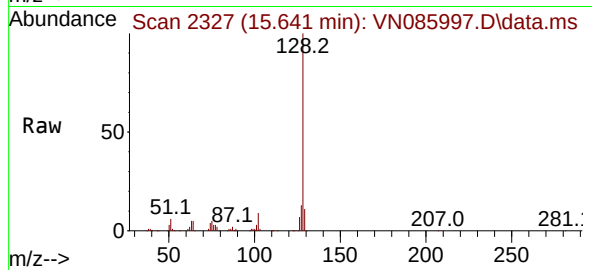
227 64.2 32.1 96.3





#95
Naphthalene
Concen: 52.451 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

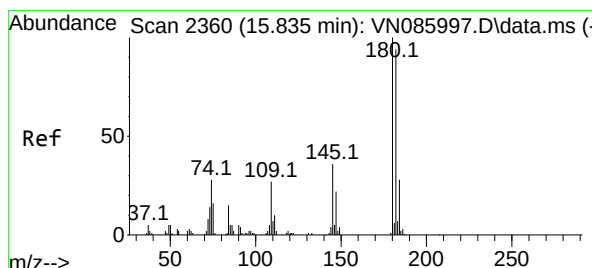
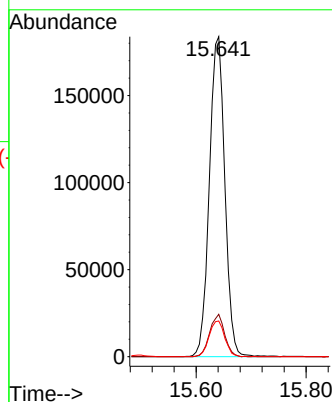
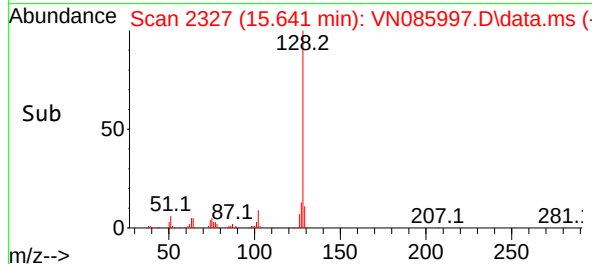
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 35933
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.3 9.0 13.6

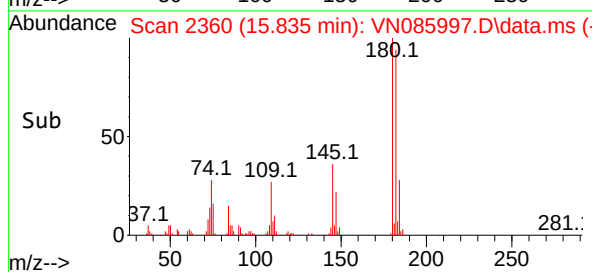
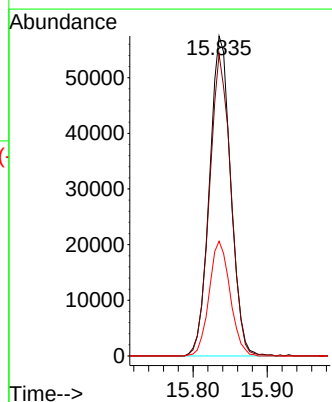
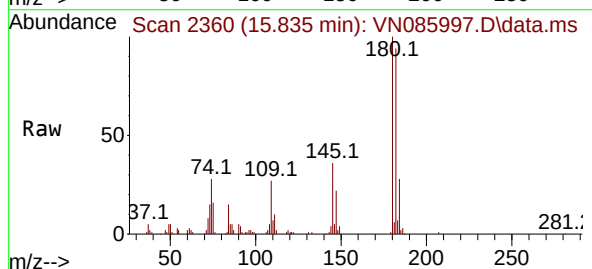
Manual Integrations
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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.897 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion:180 Resp: 114262
Ion Ratio Lower Upper
180 100
182 95.0 47.5 142.5
145 35.4 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085998.D
 Acq On : 18 Mar 2025 12:32
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
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Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	180263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	48218	19.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.060%#		
35) Dibromofluoromethane	8.165	113	39531	19.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.800%#		
50) Toluene-d8	10.565	98	142597	19.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.560%#		
62) 4-Bromofluorobenzene	12.847	95	50895	19.799	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	39.600%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	43250	18.110	ug/l	96
3) Chloromethane	2.359	50	37051	17.697	ug/l	98
4) Vinyl Chloride	2.506	62	39037	18.236	ug/l	98
5) Bromomethane	2.942	94	27158	18.625	ug/l	97
6) Chloroethane	3.106	64	24077	17.829	ug/l #	86
7) Trichlorofluoromethane	3.495	101	69126	17.963	ug/l	99
8) Diethyl Ether	3.959	74	22721	19.287	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	36929	18.056	ug/l	99
10) Methyl Iodide	4.583	142	49138	18.439	ug/l	91
11) Tert butyl alcohol	5.518	59	32886	94.099	ug/l	99
12) 1,1-Dichloroethene	4.336	96	34693	18.786	ug/l	95
13) Acrolein	4.177	56	37669	101.056	ug/l	99
14) Allyl chloride	5.018	41	41227	17.894	ug/l	99
15) Acrylonitrile	5.718	53	88238	95.601	ug/l	98
16) Acetone	4.424	43	64377	85.367	ug/l	97
17) Carbon Disulfide	4.706	76	105800	17.420	ug/l	100
18) Methyl Acetate	5.024	43	31321	16.787	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	113784	18.802	ug/l	96
20) Methylene Chloride	5.277	84	39757	18.021	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	37536	18.598	ug/l	98
22) Diisopropyl ether	6.671	45	94961	19.341	ug/l	94
23) Vinyl Acetate	6.600	43	369355m	99.232	ug/l	
24) 1,1-Dichloroethane	6.565	63	65460	18.131	ug/l	100
25) 2-Butanone	7.483	43	99742	91.662	ug/l	96
26) 2,2-Dichloropropane	7.488	77	63430	18.249	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	42598	18.573	ug/l	98
28) Bromochloromethane	7.812	49	28688	18.755	ug/l	99
29) Tetrahydrofuran	7.841	42	65915	98.119	ug/l	99
30) Chloroform	7.965	83	72867	18.259	ug/l	97
31) Cyclohexane	8.253	56	55179	17.940	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	69390	18.369	ug/l	95
36) 1,1-Dichloropropene	8.371	75	47900	18.317	ug/l	100
37) Ethyl Acetate	7.559	43	41696	18.899	ug/l	99
38) Carbon Tetrachloride	8.353	117	63404	18.440	ug/l	92
39) Methylcyclohexane	9.600	83	47633	18.359	ug/l	94
40) Benzene	8.606	78	153432	18.690	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085998.D
 Acq On : 18 Mar 2025 12:32
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 19 02:30:27 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	21324	20.242	ug/l	96
42) 1,2-Dichloroethane	8.671	62	52637	18.401	ug/l	100
43) Isopropyl Acetate	8.688	43	90251m	18.838	ug/l	
44) Trichloroethene	9.353	130	38098	17.906	ug/l	94
45) 1,2-Dichloropropane	9.618	63	36309	19.446	ug/l	98
46) Dibromomethane	9.706	93	26612	18.123	ug/l	98
47) Bromodichloromethane	9.888	83	57646	18.784	ug/l	96
48) Methyl methacrylate	9.677	41	30533	19.354	ug/l	99
49) 1,4-Dioxane	9.694	88	14060	377.006	ug/l	90
51) 4-Methyl-2-Pentanone	10.441	43	209460	99.344	ug/l	98
52) Toluene	10.629	92	98133	19.476	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	57384	19.253	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	60620	19.278	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	35992	18.716	ug/l	96
56) Ethyl methacrylate	10.871	69	52684	20.039	ug/l	99
57) 1,3-Dichloropropane	11.159	76	61369	18.788	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	66141	69.674	ug/l	99
59) 2-Hexanone	11.194	43	152912	99.554	ug/l	98
60) Dibromochloromethane	11.359	129	46407	18.701	ug/l	98
61) 1,2-Dibromoethane	11.465	107	37071	18.777	ug/l	97
64) Tetrachloroethene	11.100	164	37287	18.572	ug/l	95
65) Chlorobenzene	11.888	112	107742	18.708	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	39102	18.264	ug/l	98
67) Ethyl Benzene	11.959	91	175592	19.060	ug/l	97
68) m/p-Xylenes	12.071	106	141029	38.948	ug/l	99
69) o-Xylene	12.394	106	65978	19.853	ug/l	99
70) Styrene	12.406	104	112279	19.780	ug/l	99
71) Bromoform	12.576	173	33086	18.487	ug/l #	99
73) Isopropylbenzene	12.694	105	162838	19.041	ug/l	100
74) N-amyl acetate	12.494	43	56163	19.630	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	52144	18.023	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	57493m	20.137	ug/l	
77) Bromobenzene	12.976	156	43969	18.439	ug/l	99
78) n-propylbenzene	13.035	91	189068	19.524	ug/l	99
79) 2-Chlorotoluene	13.123	91	123854	19.256	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	142528	19.740	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	21026	19.827	ug/l	94
82) 4-Chlorotoluene	13.218	91	128159	19.376	ug/l	99
83) tert-Butylbenzene	13.435	119	114669	18.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	144557	19.850	ug/l	100
85) sec-Butylbenzene	13.612	105	158970	19.734	ug/l	99
86) p-Isopropyltoluene	13.729	119	133733	19.611	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	80845	18.809	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	81175	17.975	ug/l	99
89) n-Butylbenzene	14.053	91	103559	18.649	ug/l	98
90) Hexachloroethane	14.329	117	27141	17.249	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	76225	17.839	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10795	18.692	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	39028	18.166	ug/l	98
94) Hexachlorobutadiene	15.494	225	22741	18.244	ug/l	98
95) Naphthalene	15.635	128	115493	18.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	38684	18.975	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

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

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

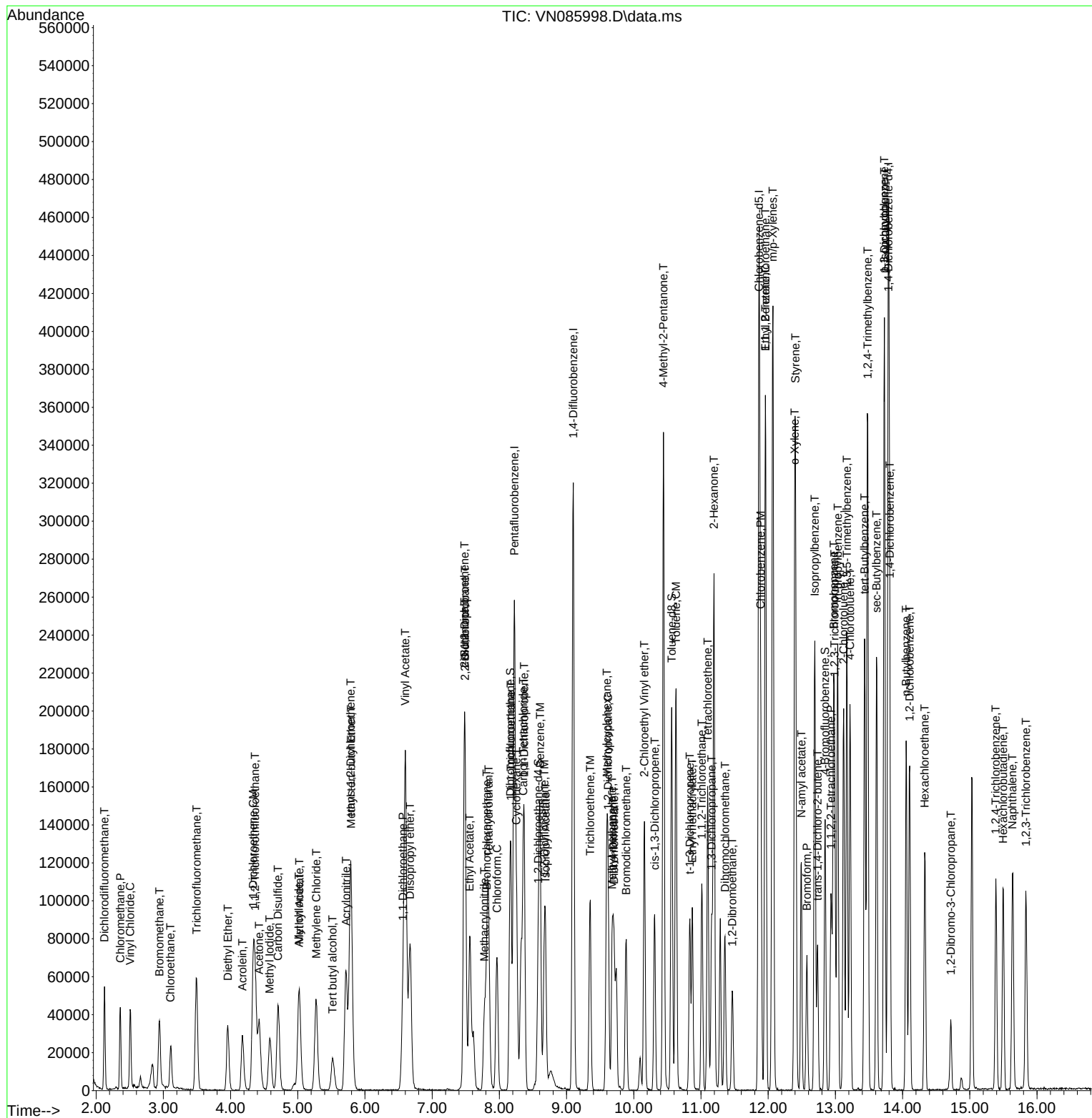
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Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

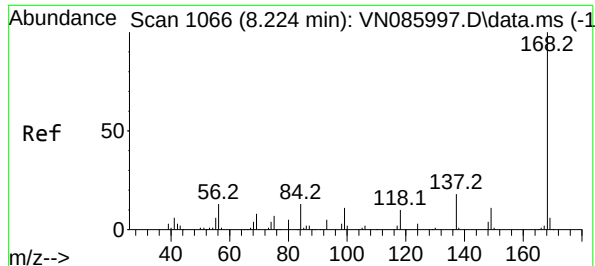
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 03/19/2025
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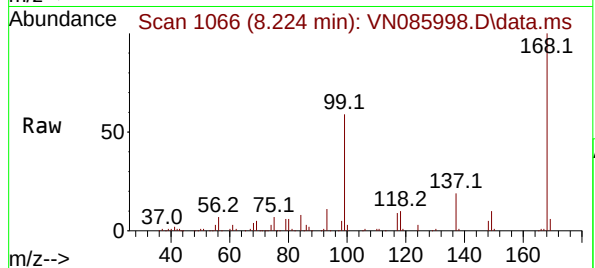
Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

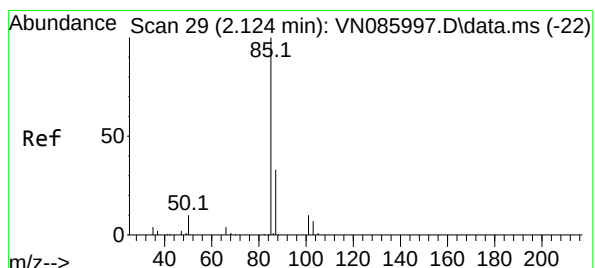
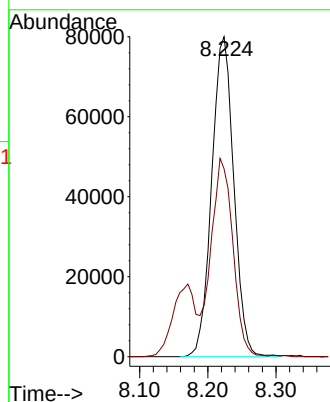
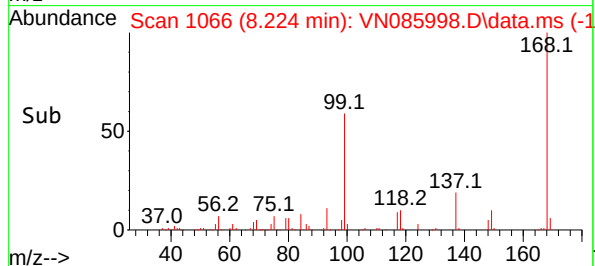
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:168 Resp: 18026
Ion Ratio Lower Upper
168 100
99 58.6 49.4 74.2

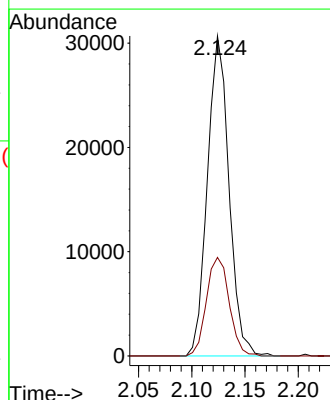
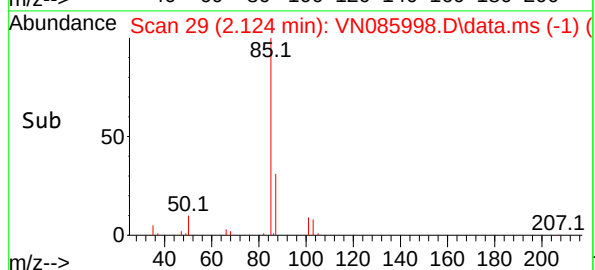
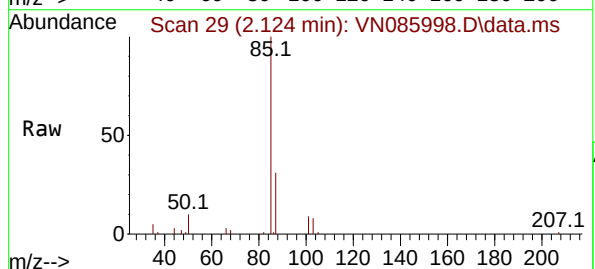
Manual Integrations
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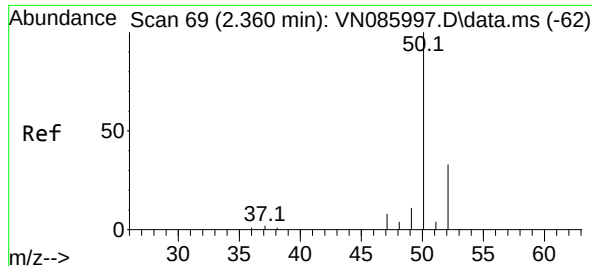
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 18.110 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 85 Resp: 43250
Ion Ratio Lower Upper
85 100
87 30.8 16.5 49.5





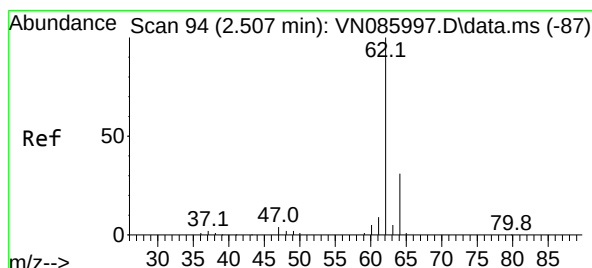
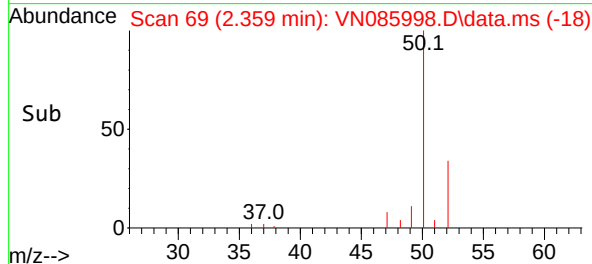
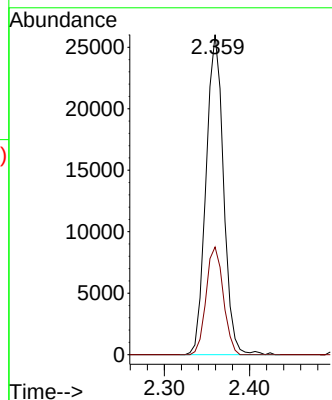
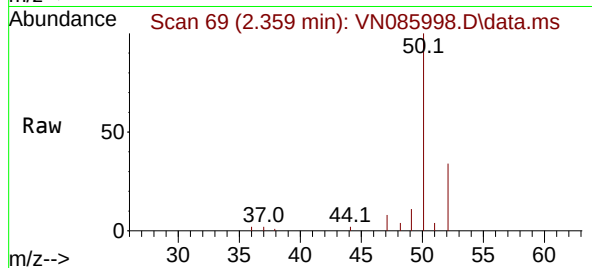
#3
Chloromethane
Concen: 17.697 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 3705
Ion Ratio Lower Upper
50 100
52 33.6 26.0 39.0

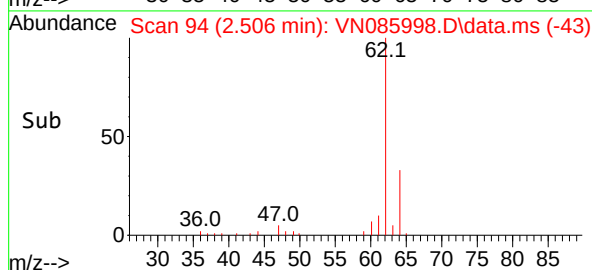
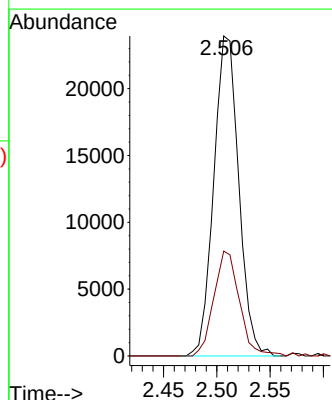
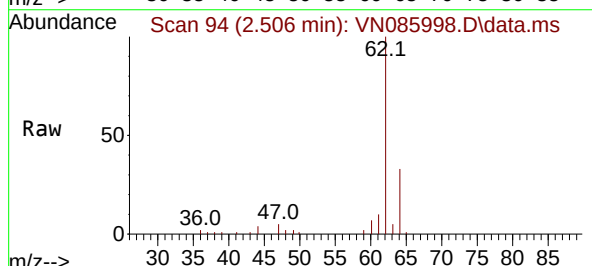
Manual Integrations
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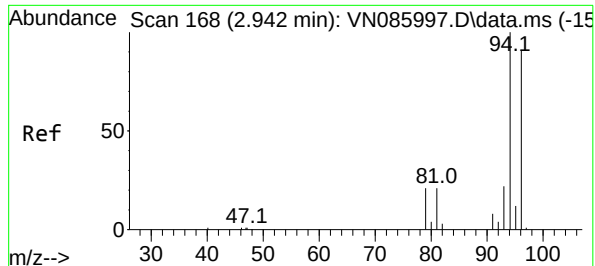
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 18.236 ug/l
RT: 2.506 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

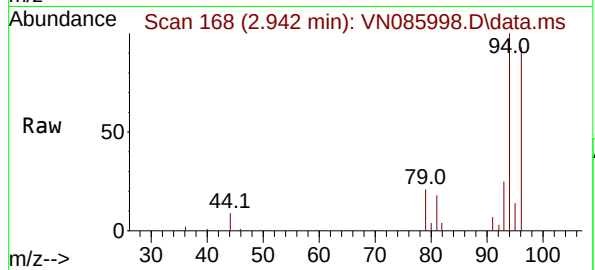
Tgt Ion: 62 Resp: 39037
Ion Ratio Lower Upper
62 100
64 32.8 25.2 37.8





#5
Bromomethane
Concen: 18.625 ug/l
RT: 2.942 min Scan# 115
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

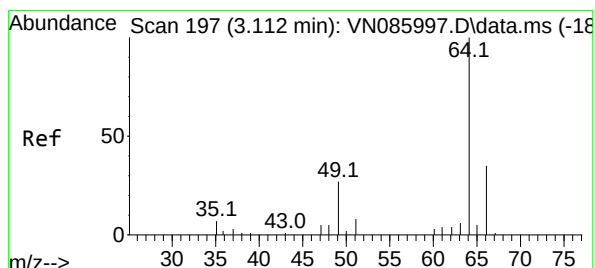
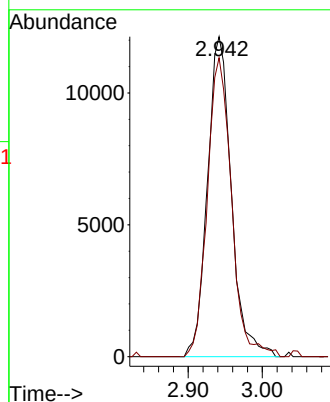
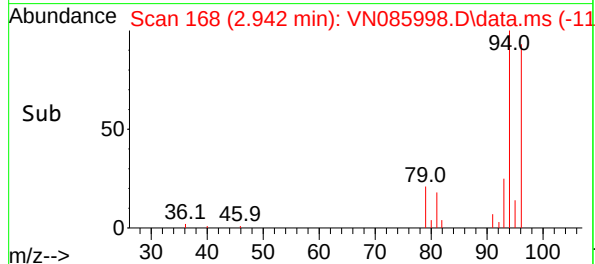
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 94 Resp: 27158
Ion Ratio Lower Upper
94 100
96 93.4 72.8 109.2

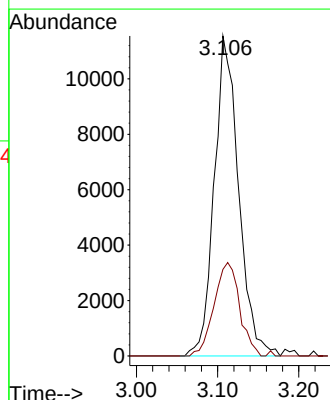
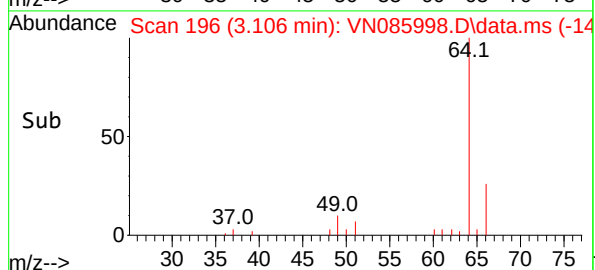
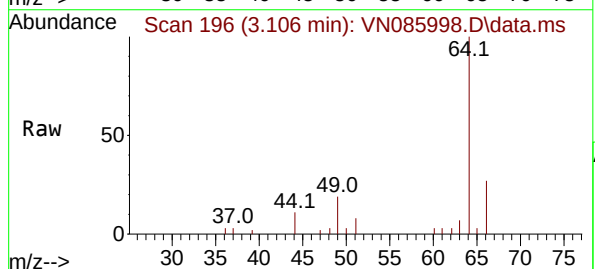
Manual Integrations
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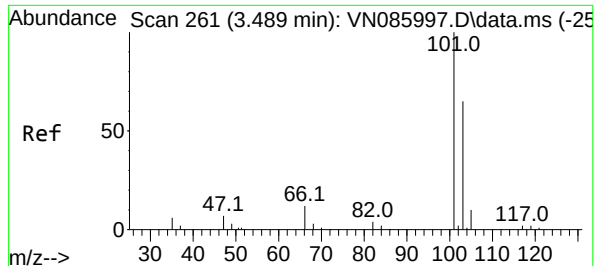
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#6
Chloroethane
Concen: 17.829 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 64 Resp: 24077
Ion Ratio Lower Upper
64 100
66 27.1 28.3 42.5#





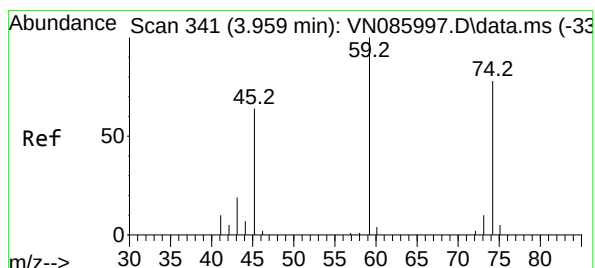
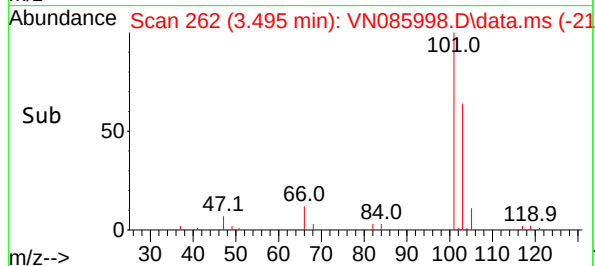
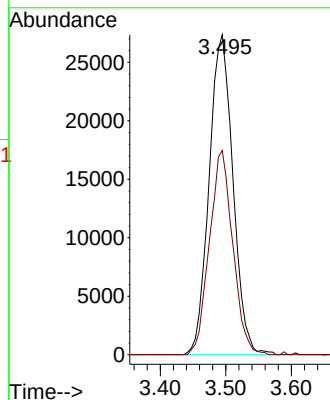
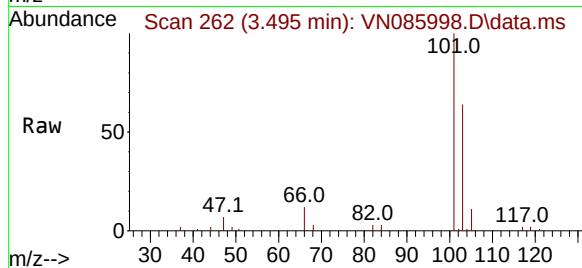
#7
Trichlorofluoromethane
Concen: 17.963 ug/l
RT: 3.495 min Scan# 261
Delta R.T. 0.006 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:101 Resp: 69120
Ion Ratio Lower Upper
101 100
103 63.8 51.7 77.5

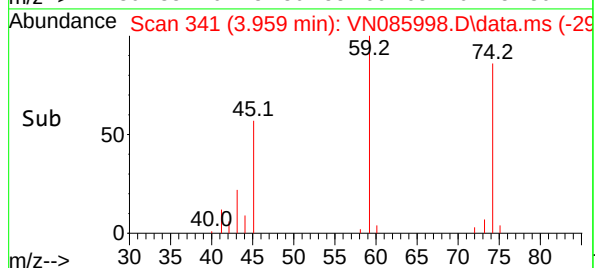
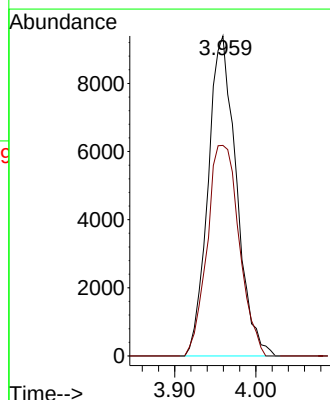
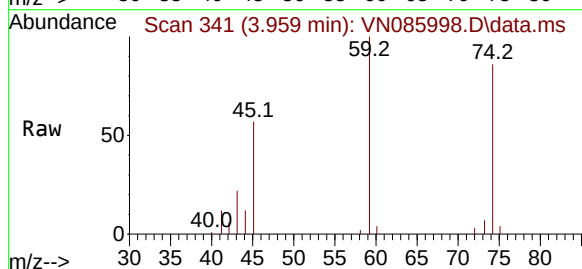
Manual Integrations
APPROVED

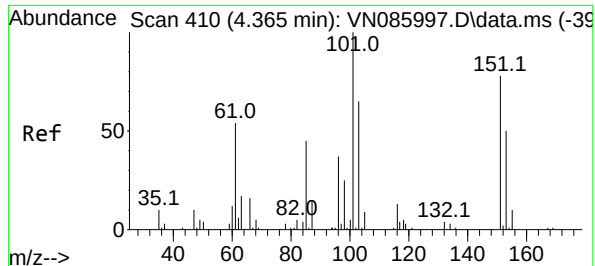
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 19.287 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 74 Resp: 22721
Ion Ratio Lower Upper
74 100
45 74.5 38.0 113.9





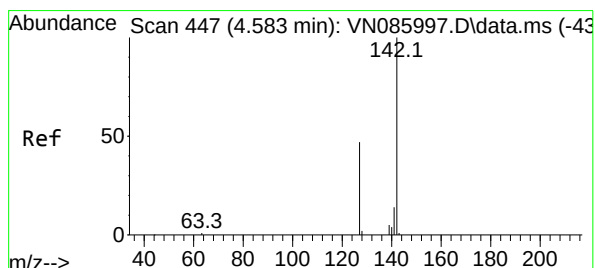
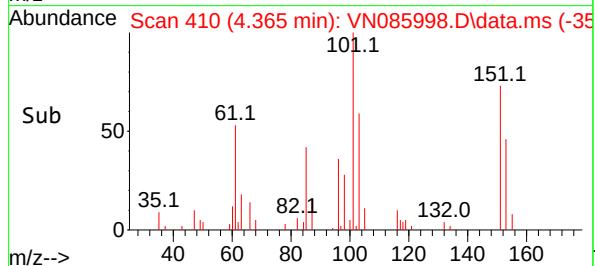
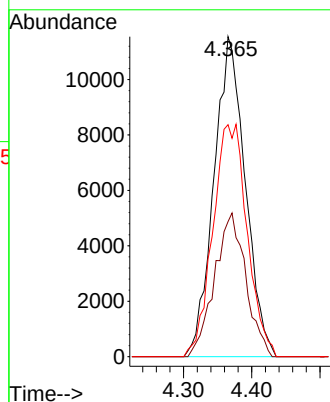
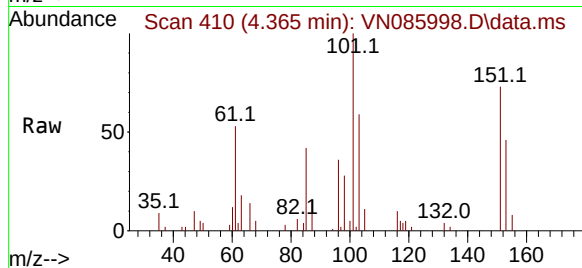
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.056 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:101 Resp: 36929
Ion Ratio Lower Upper
101 100
85 44.7 36.5 54.7
151 79.4 63.4 95.0

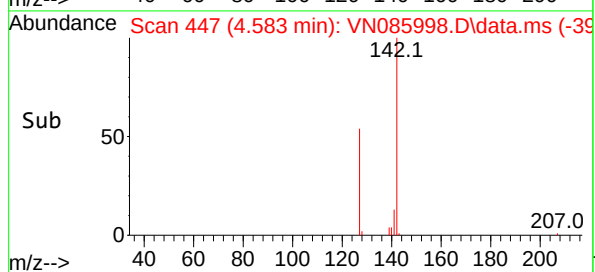
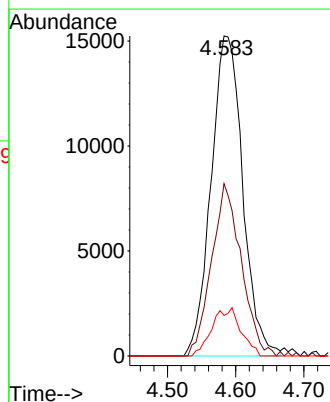
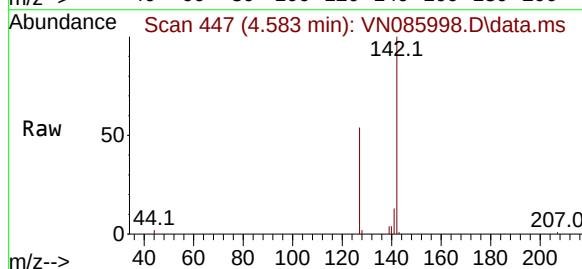
Manual Integrations
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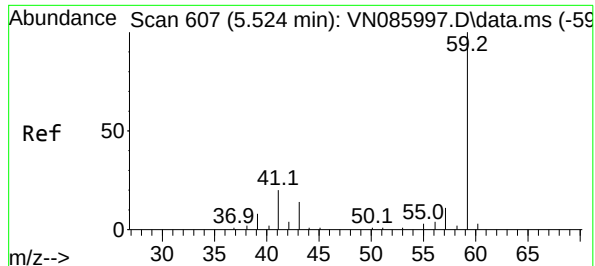
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#10
Methyl Iodide
Concen: 18.439 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion:142 Resp: 49138
Ion Ratio Lower Upper
142 100
127 53.9 37.5 56.3
141 12.7 11.0 16.6





#11

Tert butyl alcohol

Concen: 94.099 ug/l

RT: 5.518 min Scan# 607

Delta R.T. -0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 3288

Ion Ratio Lower Upper

59 100

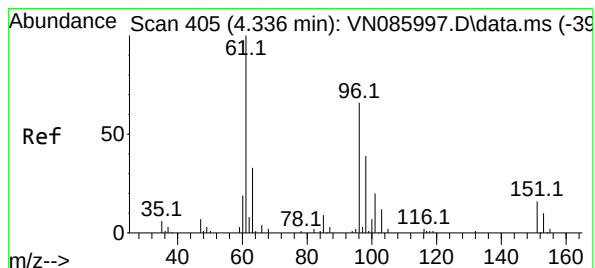
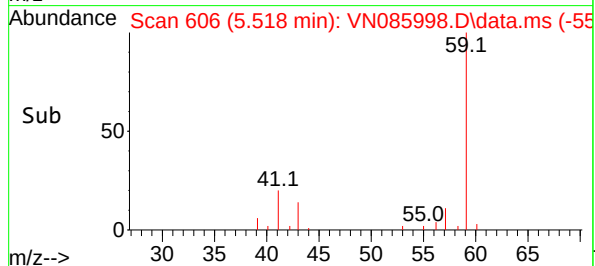
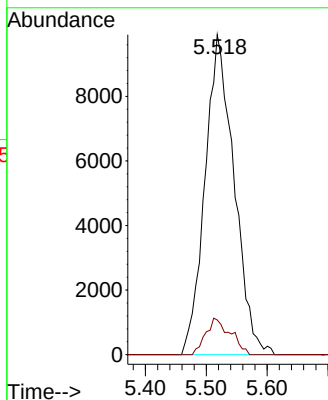
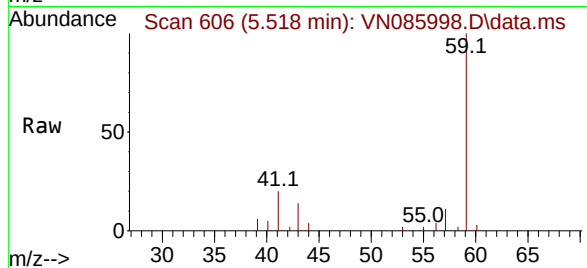
57 9.7 7.9 11.9

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#12

1,1-Dichloroethene

Concen: 18.786 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

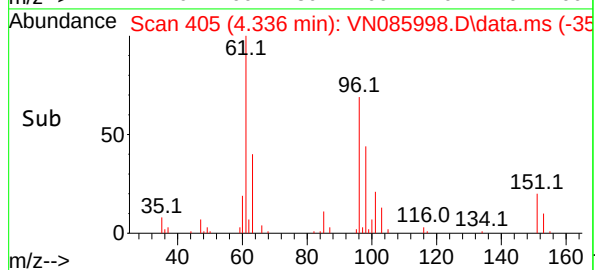
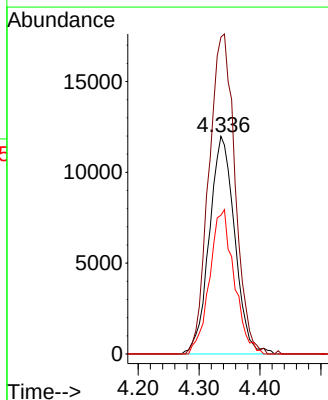
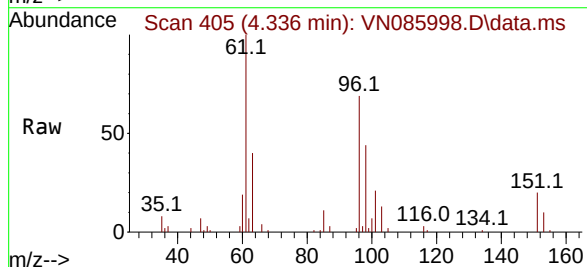
Tgt Ion: 96 Resp: 34693

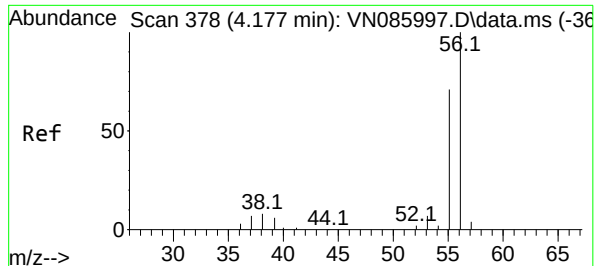
Ion Ratio Lower Upper

96 100

61 145.6 120.5 180.7

98 63.8 47.4 71.0





#13

Acrolein

Concen: 101.056 ug/l

RT: 4.177 min Scan# 378

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 3766

Ion Ratio Lower Upper

56 100

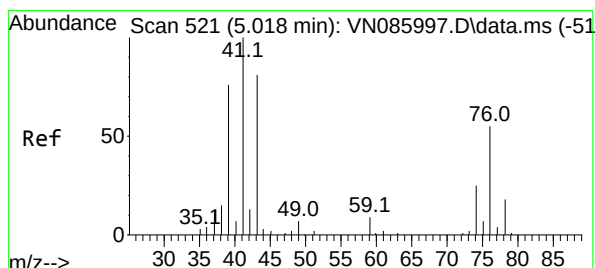
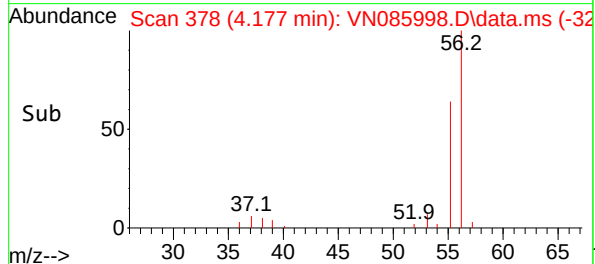
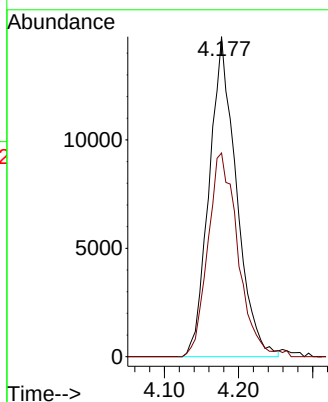
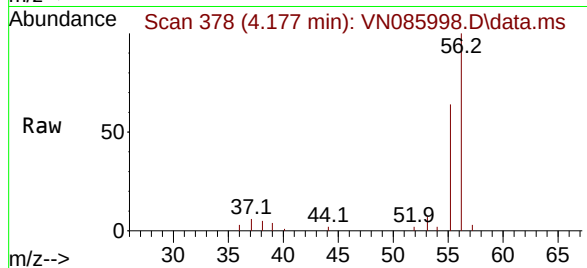
55 69.7 55.1 82.7

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 17.894 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

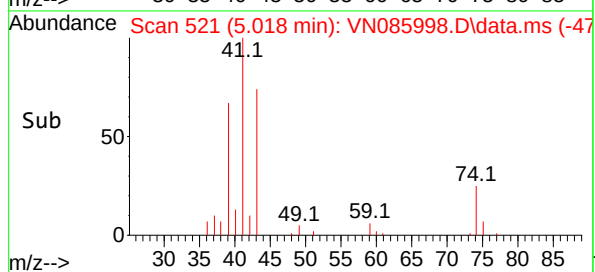
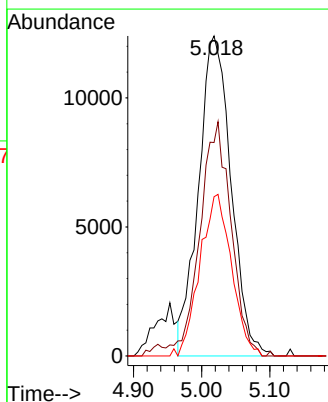
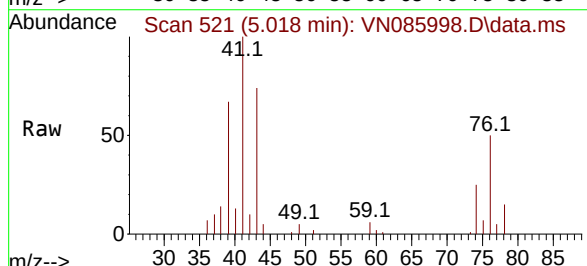
Tgt Ion: 41 Resp: 41227

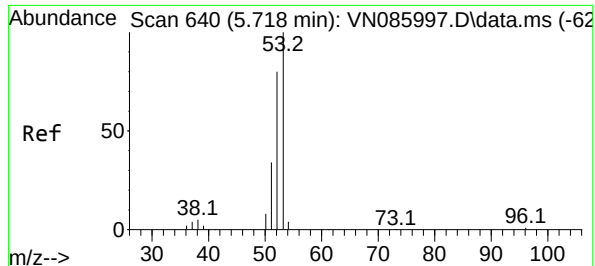
Ion Ratio Lower Upper

41 100

39 70.0 55.5 83.3

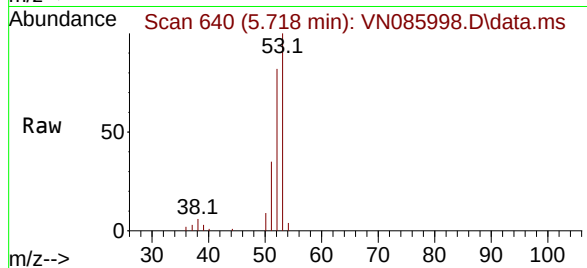
76 49.1 39.1 58.7





#15
Acrylonitrile
Concen: 95.601 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

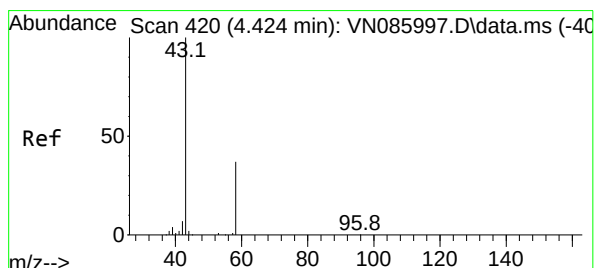
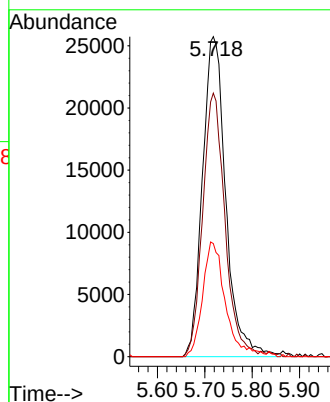
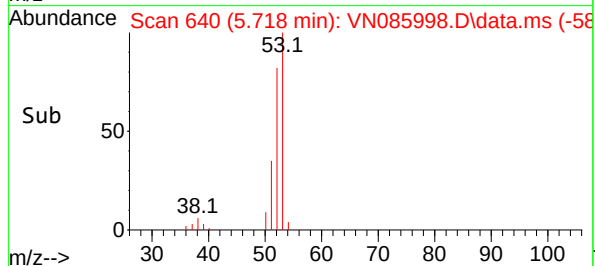
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 53 Resp: 88238
Ion Ratio Lower Upper
53 100
52 78.1 63.9 95.9
51 34.8 27.1 40.7

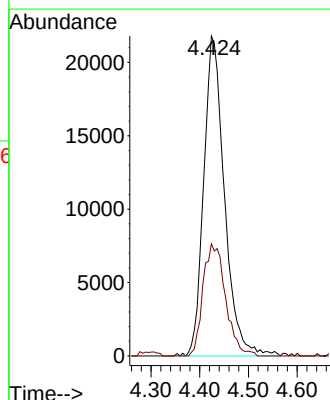
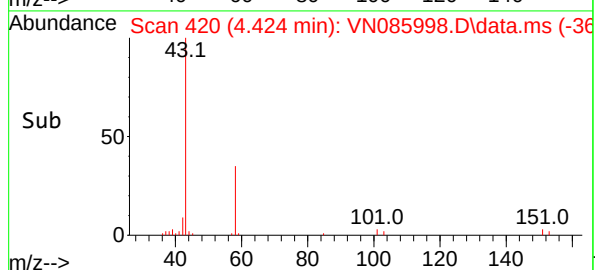
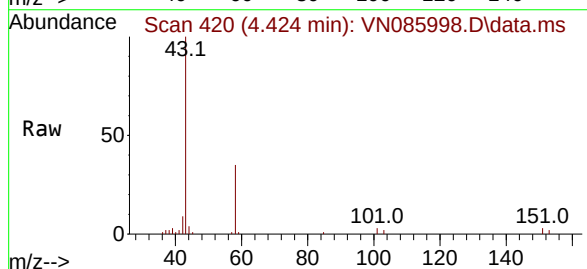
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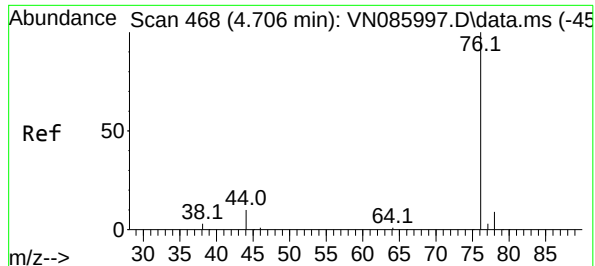
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#16
Acetone
Concen: 85.367 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

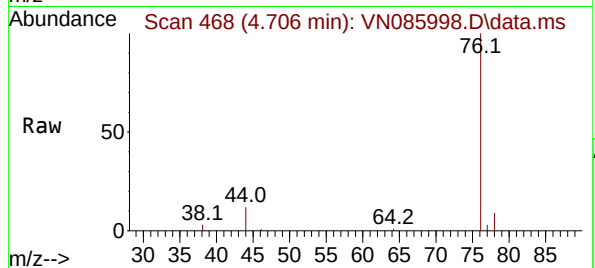
Tgt Ion: 43 Resp: 64377
Ion Ratio Lower Upper
43 100
58 35.0 29.4 44.2





#17
Carbon Disulfide
Concen: 17.420 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

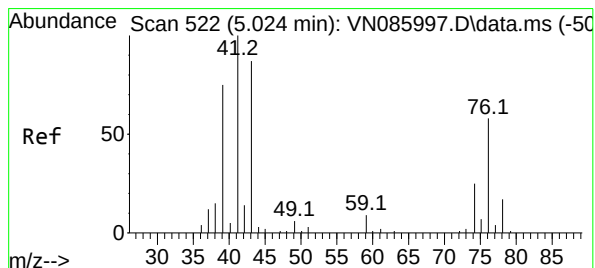
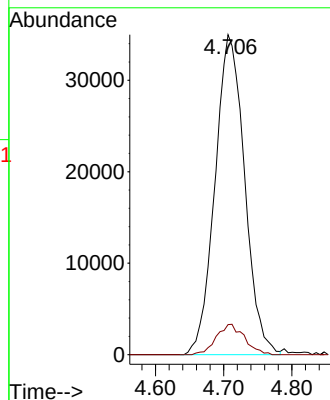
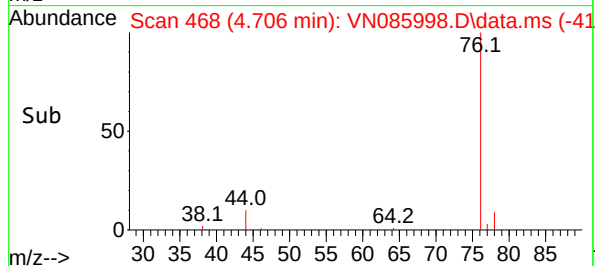
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 105800
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2

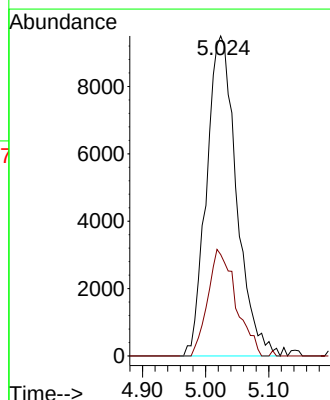
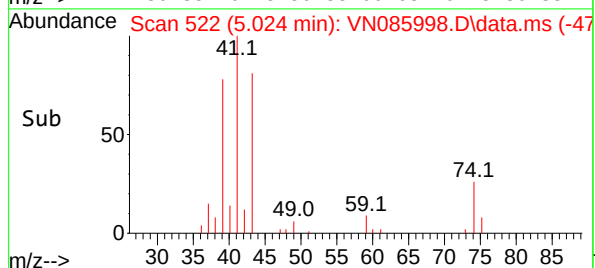
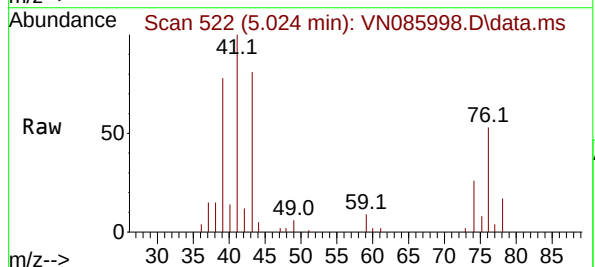
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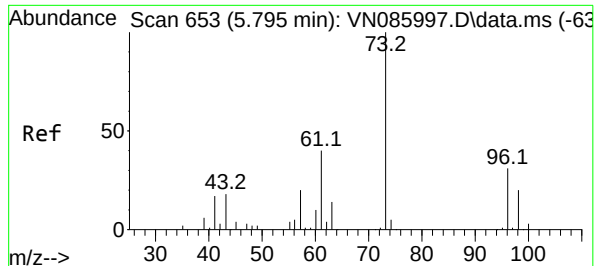
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#18
Methyl Acetate
Concen: 16.787 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 43 Resp: 31321
Ion Ratio Lower Upper
43 100
74 31.2 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 18.802 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 73 Resp: 113784

Ion Ratio Lower Upper

73 100

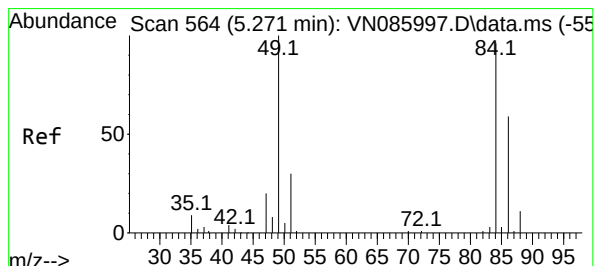
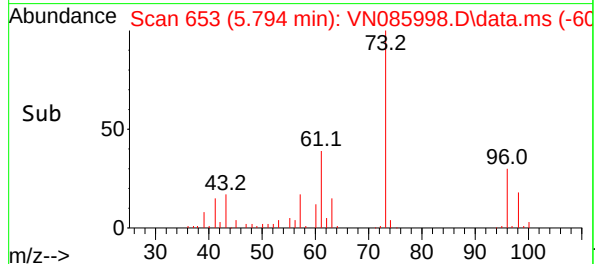
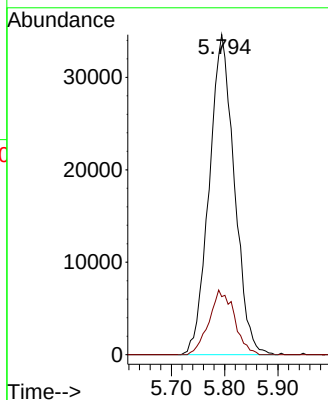
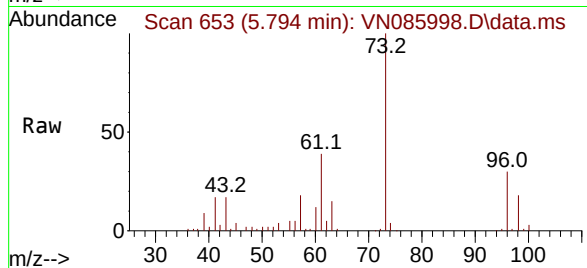
57 18.2 16.1 24.1

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 18.021 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion: 84 Resp: 39757

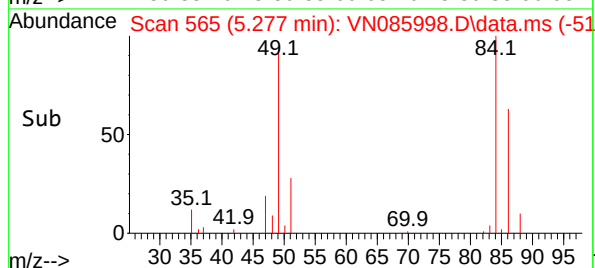
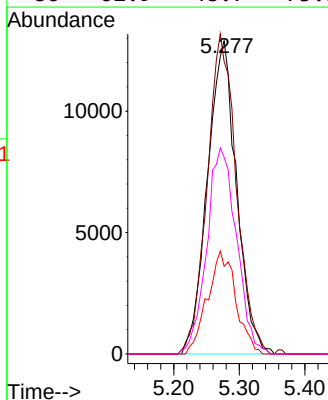
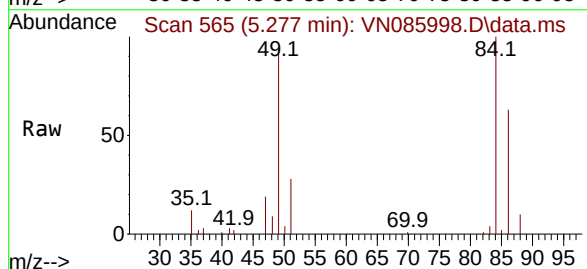
Ion Ratio Lower Upper

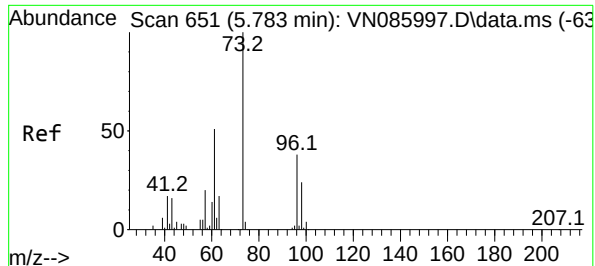
84 100

49 93.5 83.3 124.9

51 28.0 24.8 37.2

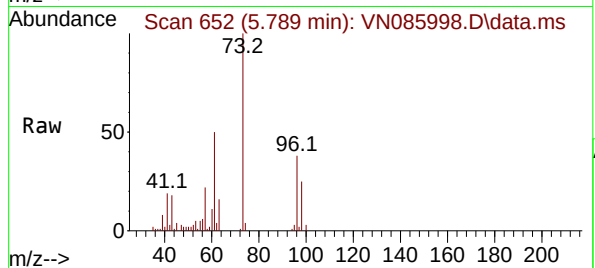
86 62.9 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 18.598 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

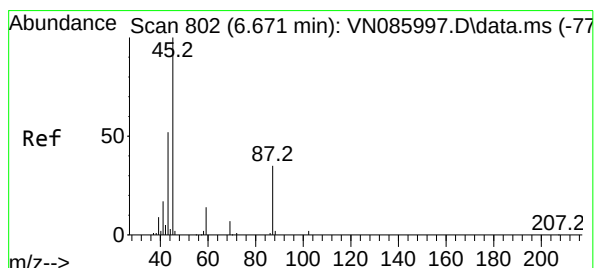
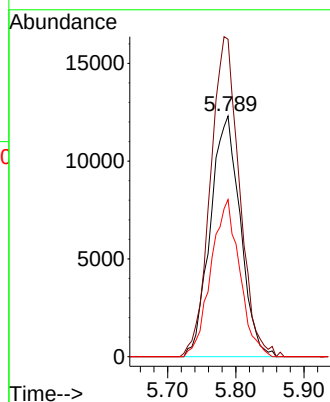
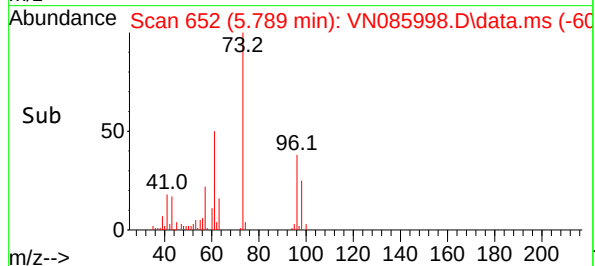
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 37530
Ion Ratio Lower Upper
96 100
61 132.0 106.6 160.0
98 65.3 50.0 75.0

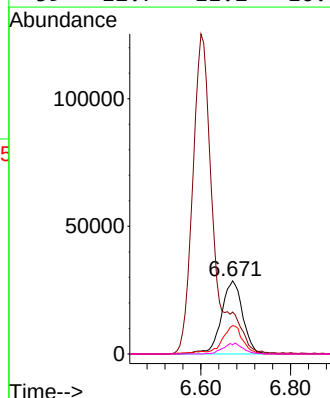
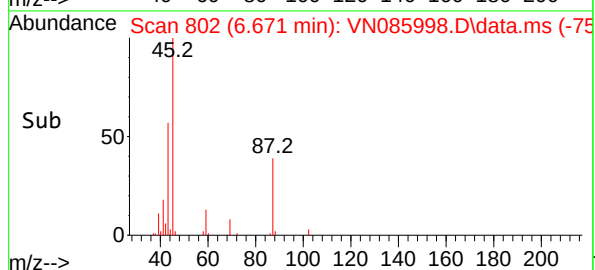
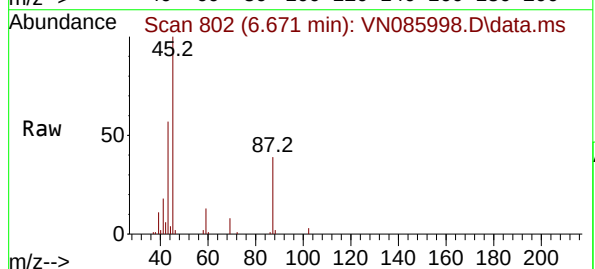
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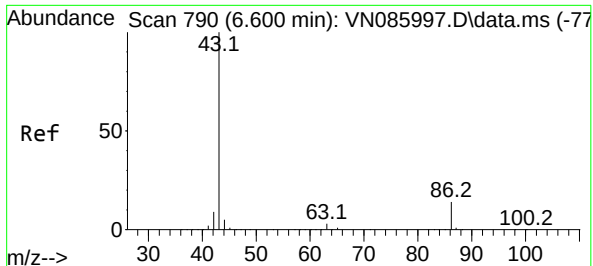
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 19.341 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 45 Resp: 94961
Ion Ratio Lower Upper
45 100
43 56.2 41.2 61.8
87 38.8 28.5 42.7
59 12.7 11.2 16.8





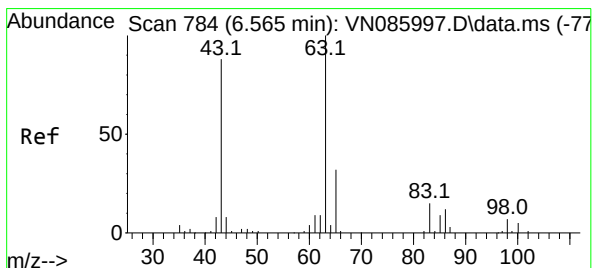
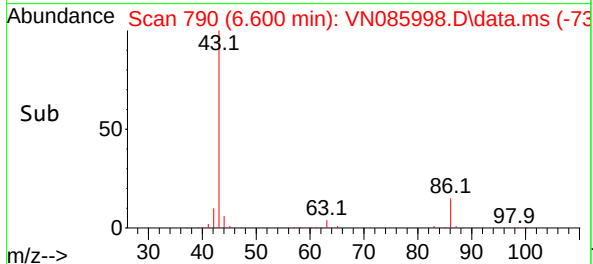
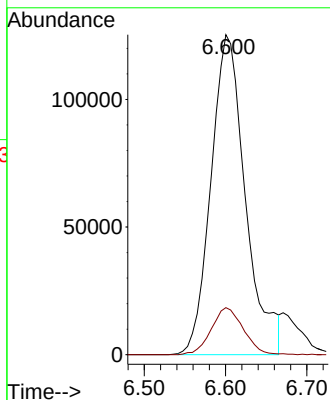
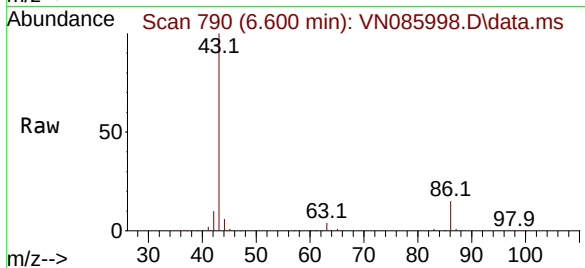
#23
Vinyl Acetate
Concen: 99.232 ug/l m
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 36935
Ion Ratio Lower Upper
43 100
86 14.7 11.2 16.8

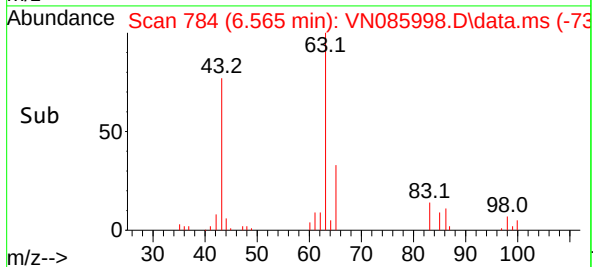
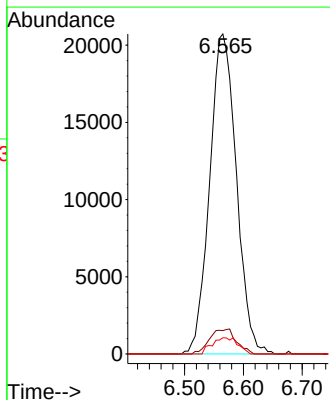
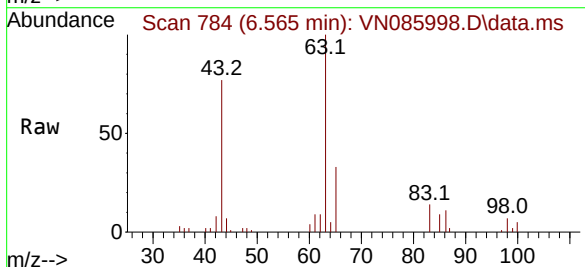
Manual Integrations
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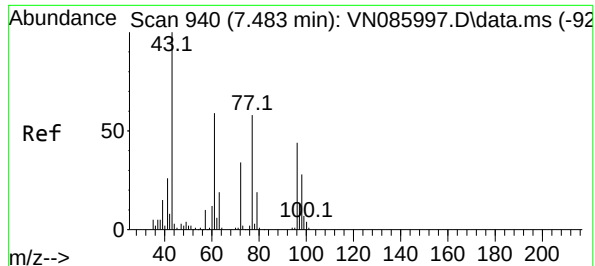
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 18.131 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 63 Resp: 65460
Ion Ratio Lower Upper
63 100
98 7.3 3.6 10.9
100 5.1 2.5 7.5





#25

2-Butanone

Concen: 91.662 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 9974

Ion Ratio Lower Upper

43 100

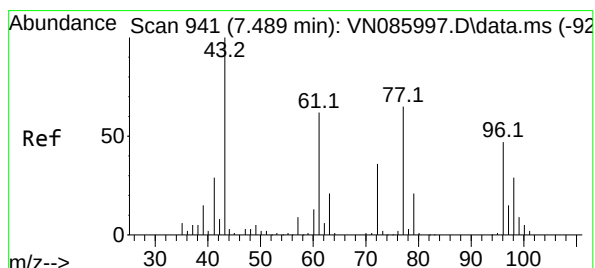
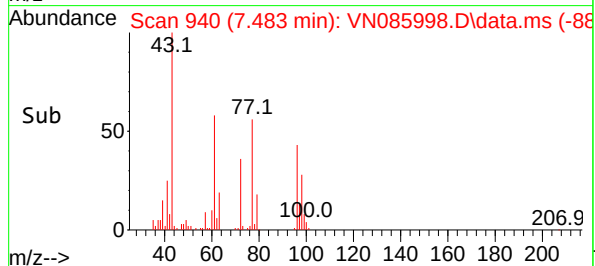
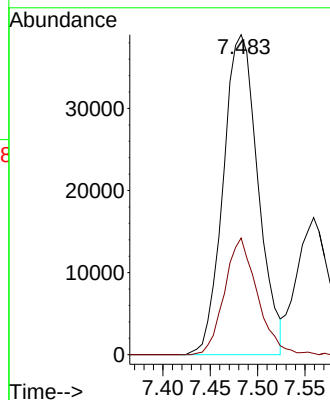
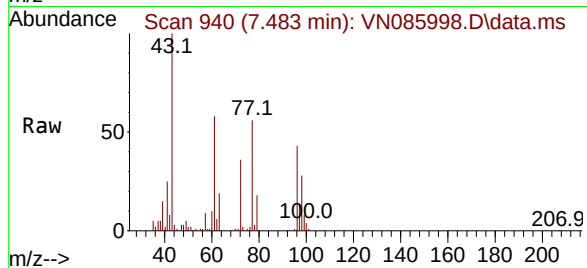
72 36.5 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 18.249 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN085998.D

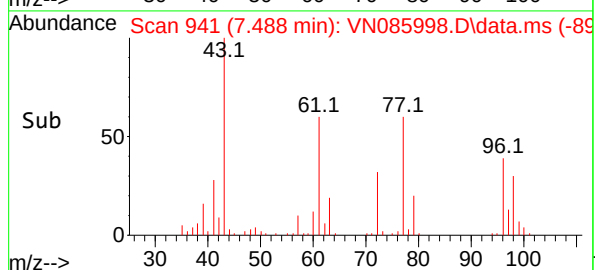
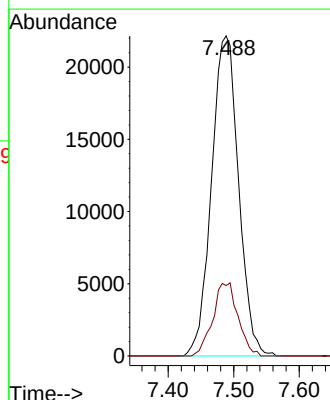
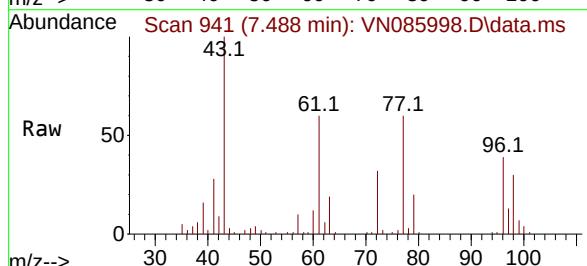
Acq: 18 Mar 2025 12:32

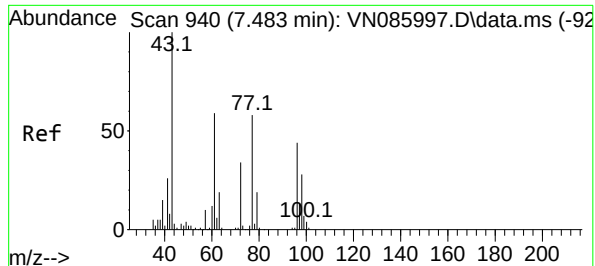
Tgt Ion: 77 Resp: 63430

Ion Ratio Lower Upper

77 100

97 21.2 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 18.573 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 42598

Ion Ratio Lower Upper

96 100

61 138.5 0.0 272.8

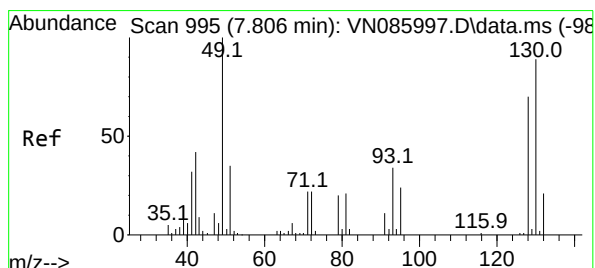
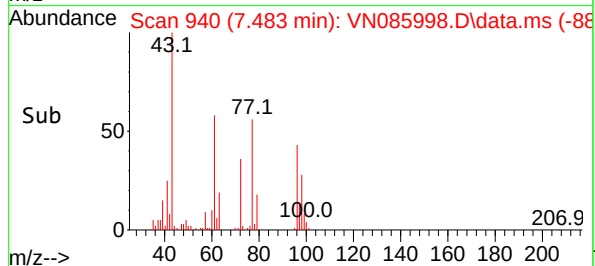
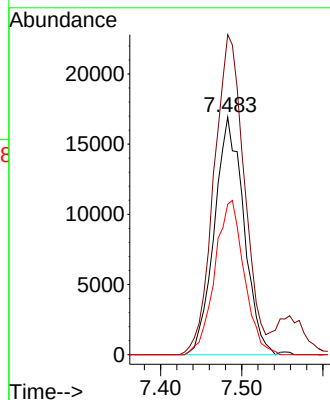
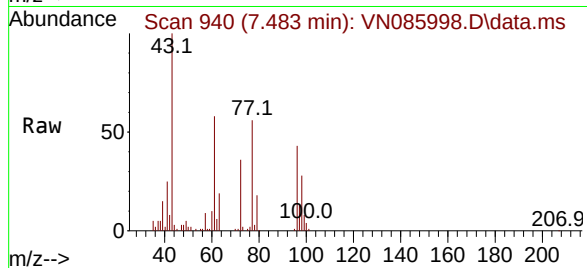
98 65.0 0.0 124.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 18.755 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

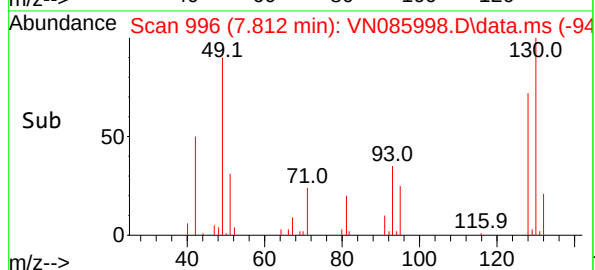
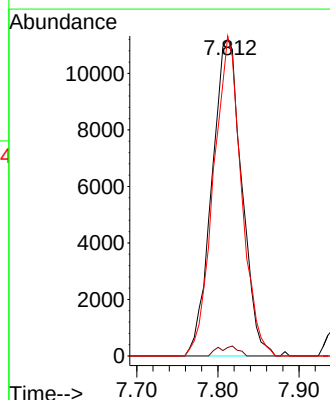
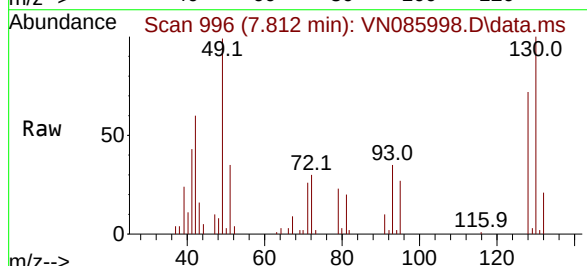
Tgt Ion: 49 Resp: 28688

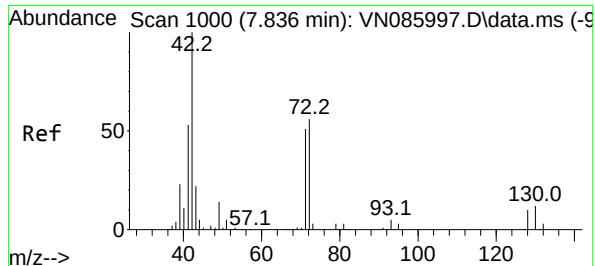
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 94.1 74.2 111.4





#29

Tetrahydrofuran

Concen: 98.119 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

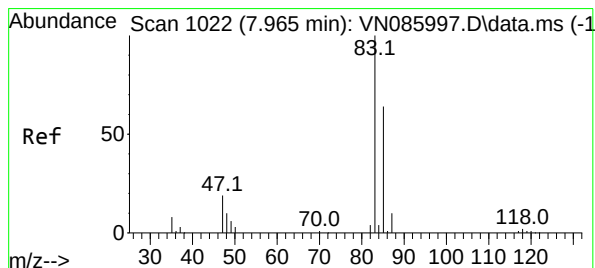
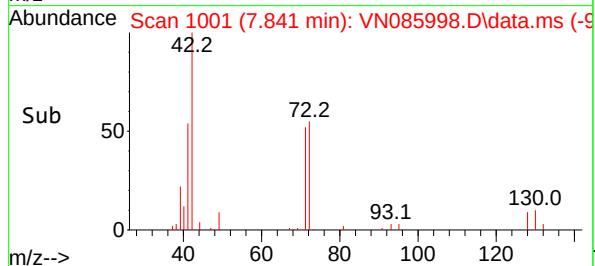
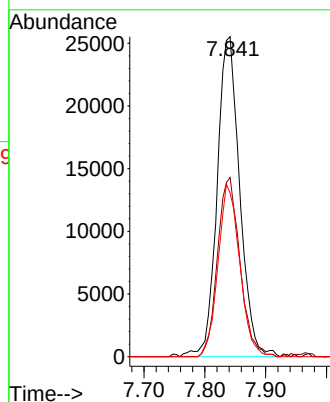
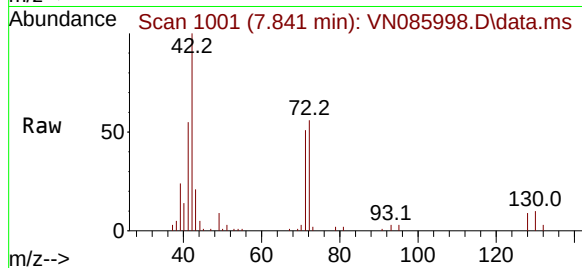
Tgt Ion:	42	Resp:	6591
Ion	Ratio	Lower	Upper
42	100		
72	55.4	45.0	67.4
71	51.6	41.9	62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 18.259 ug/l

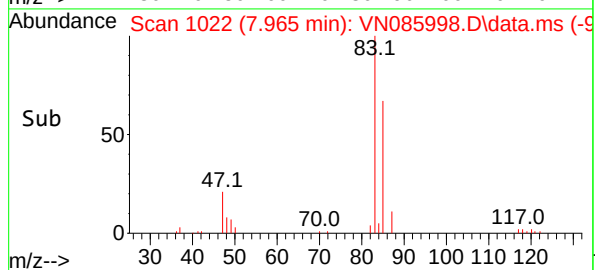
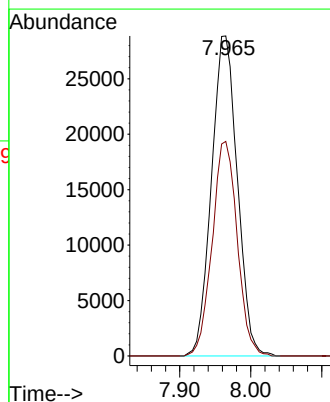
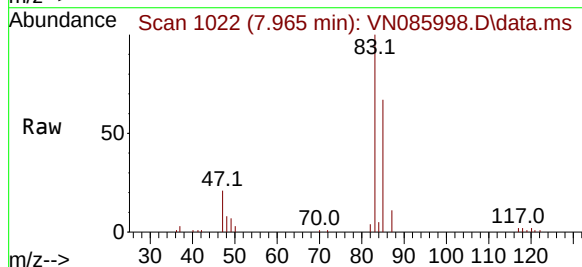
RT: 7.965 min Scan# 1022

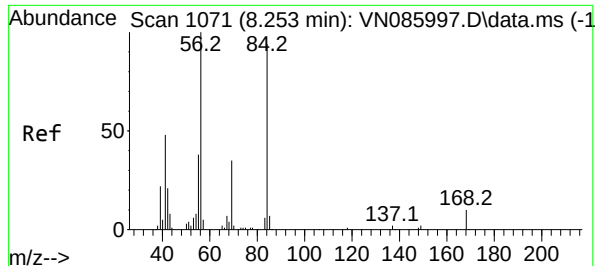
Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:	83	Resp:	72867
Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.5	77.3





#31

Cyclohexane

Concen: 17.940 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

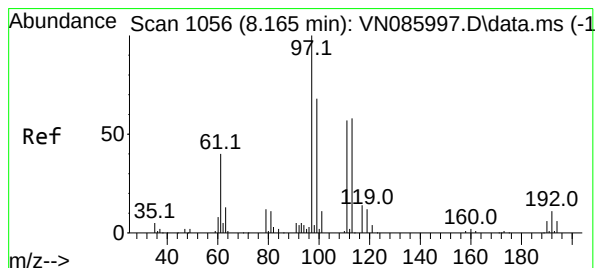
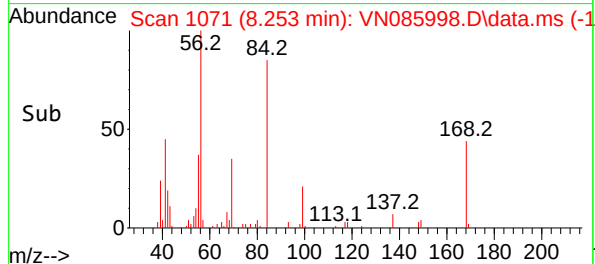
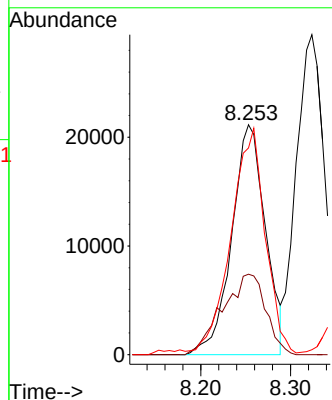
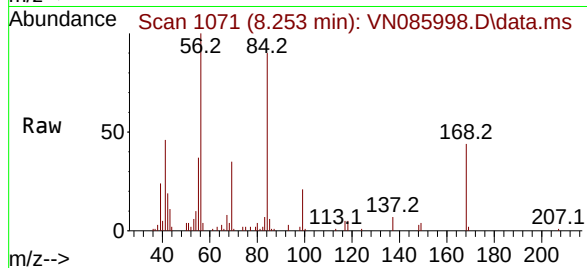
Tgt Ion:	56	Resp:	55179
Ion Ratio	Lower	Upper	
56	100		
69	35.0	28.0	42.0
84	87.8	75.0	112.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#32

1,1,1-Trichloroethane

Concen: 18.369 ug/l

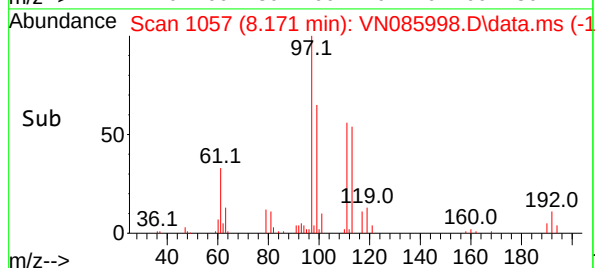
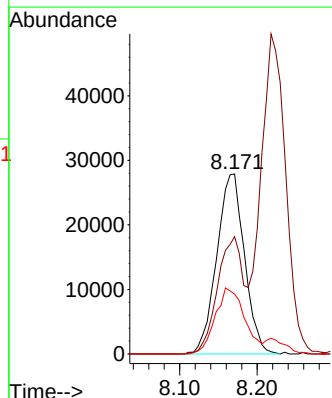
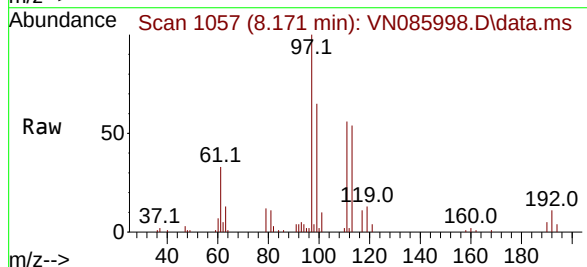
RT: 8.171 min Scan# 1057

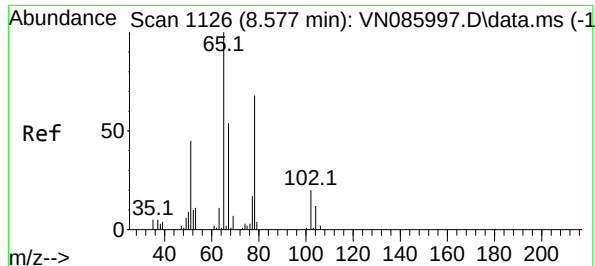
Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:	97	Resp:	69390
Ion Ratio	Lower	Upper	
97	100		
99	62.3	52.8	79.2
61	38.9	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 19.534 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 48218

Ion Ratio Lower Upper

65 100

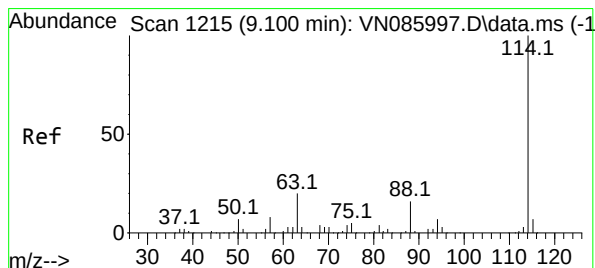
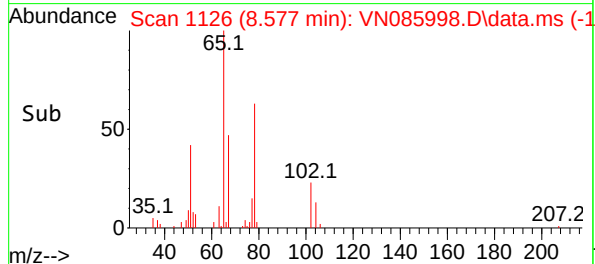
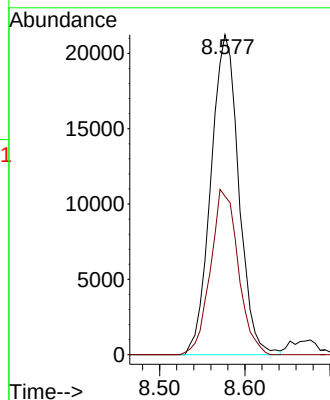
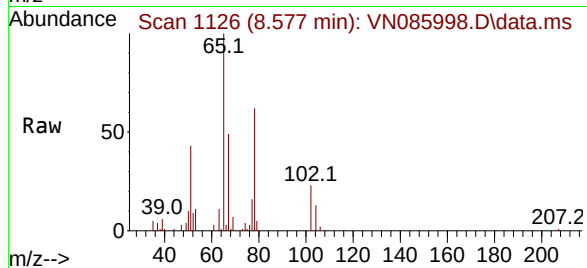
67 51.3 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

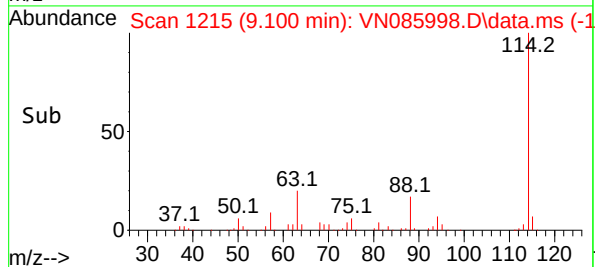
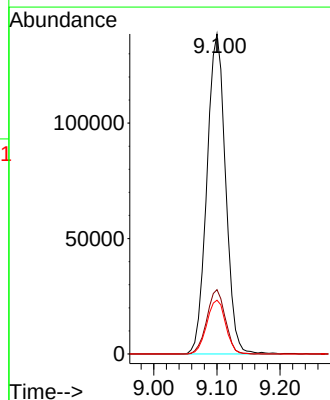
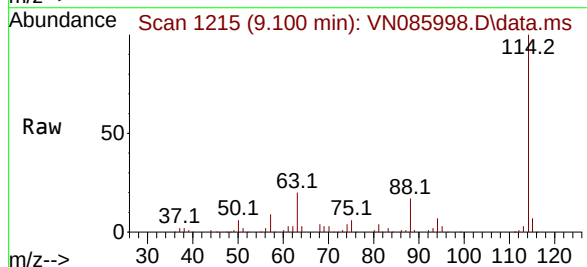
Tgt Ion:114 Resp: 284537

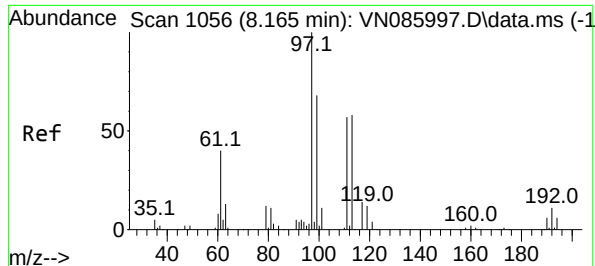
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 19.905 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 3953

Ion Ratio Lower Upper

113 100

111 99.6 81.8 122.8

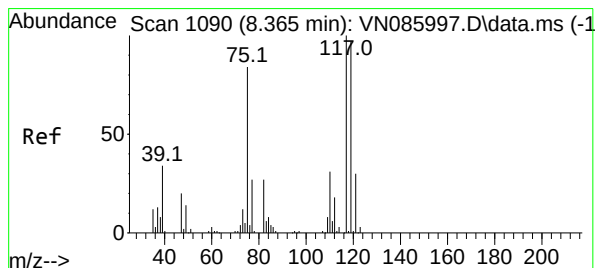
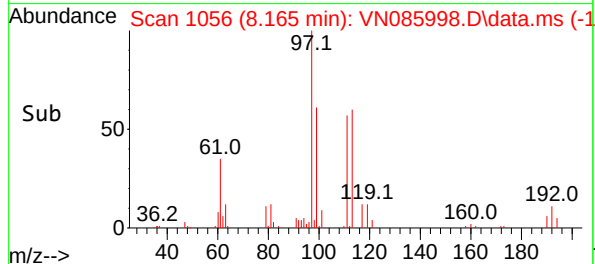
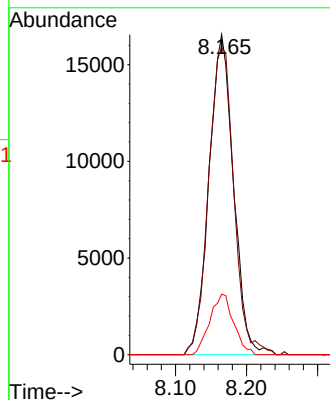
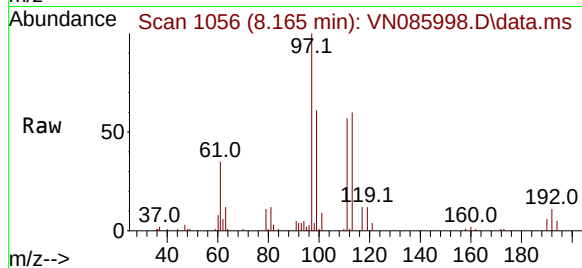
192 18.4 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#36

1,1-Dichloropropene

Concen: 18.317 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

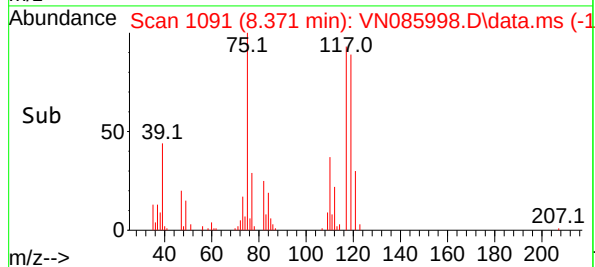
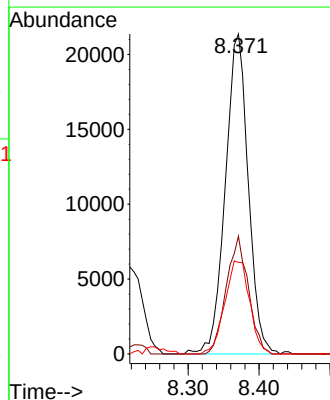
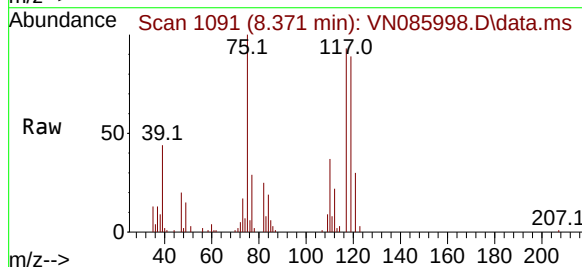
Tgt Ion: 75 Resp: 47900

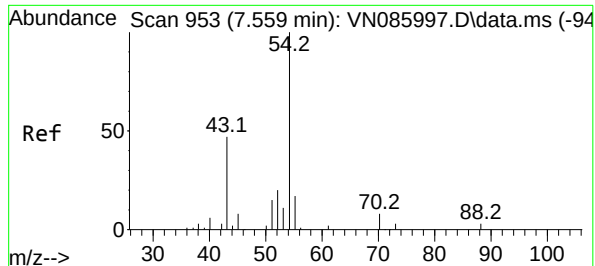
Ion Ratio Lower Upper

75 100

110 35.5 17.8 53.3

77 31.5 25.0 37.4





#37

Ethyl Acetate

Concen: 18.899 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

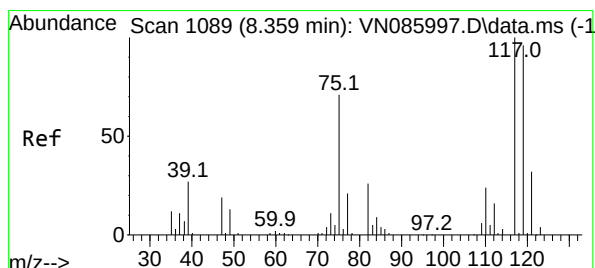
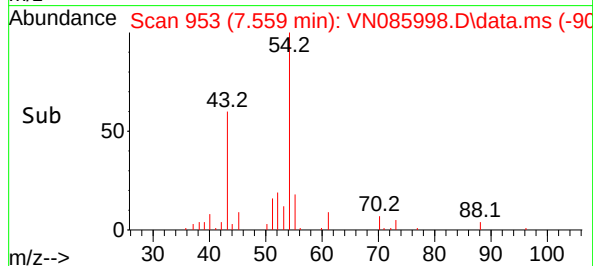
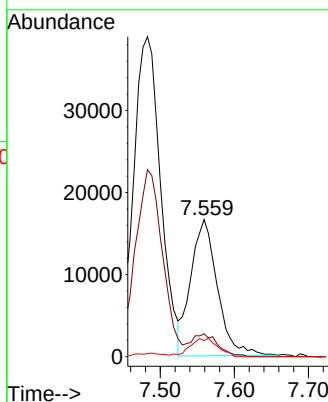
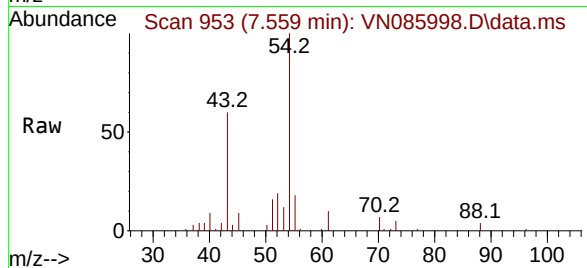
VSTDICC020

Tgt Ion:	43	Resp:	41690
Ion	Ratio	Lower	Upper
43	100		
61	15.9	13.0	19.4
70	13.9	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#38

Carbon Tetrachloride

Concen: 18.440 ug/l

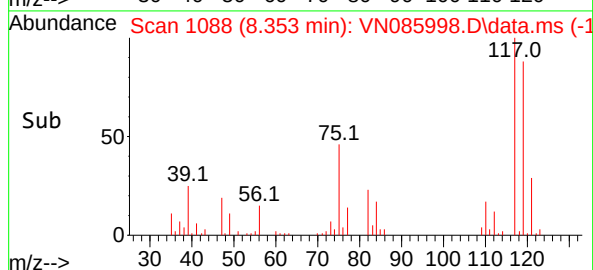
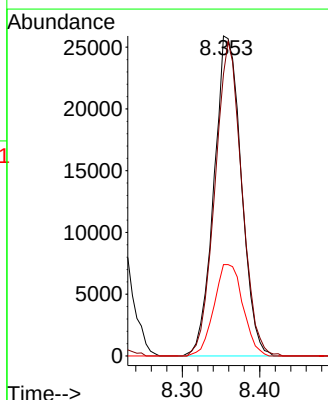
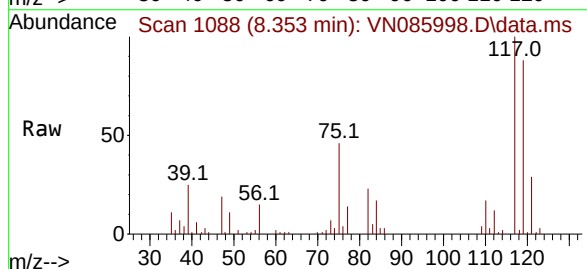
RT: 8.353 min Scan# 1088

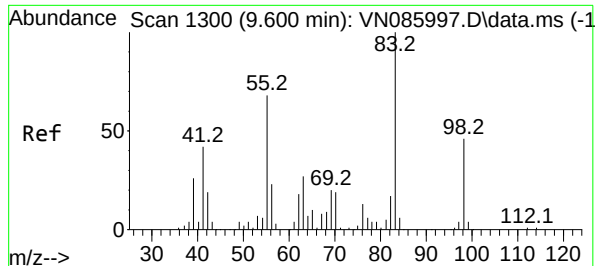
Delta R.T. -0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:	117	Resp:	63404
Ion	Ratio	Lower	Upper
117	100		
119	88.1	77.0	115.4
121	28.6	25.6	38.4





#39

Methylcyclohexane

Concen: 18.359 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 4763

Ion Ratio Lower Upper

83 100

55 74.2 54.2 81.2

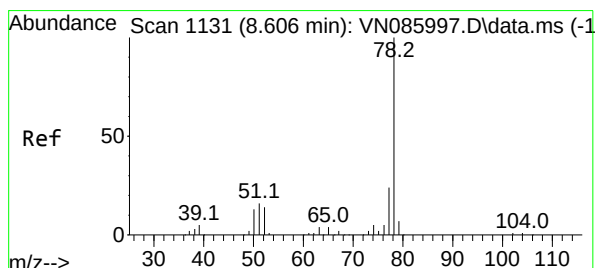
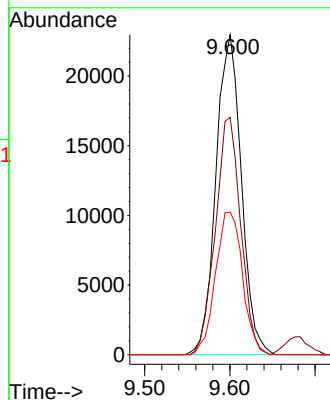
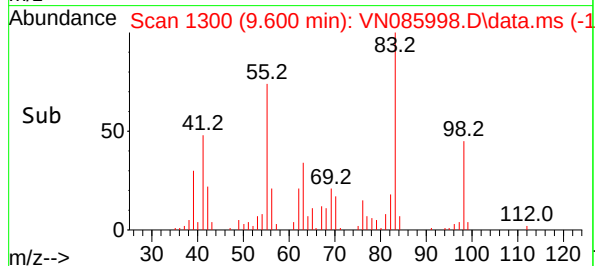
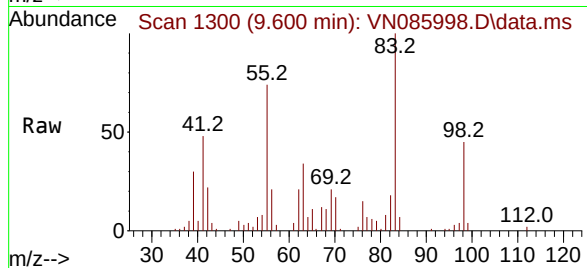
98 44.5 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 18.690 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN085998.D

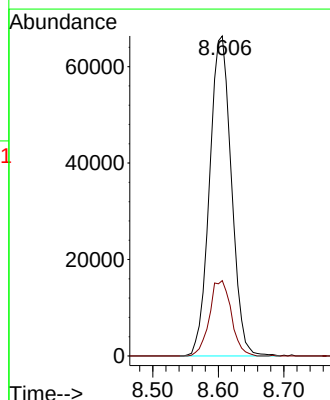
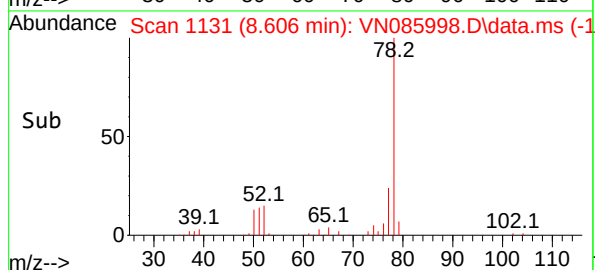
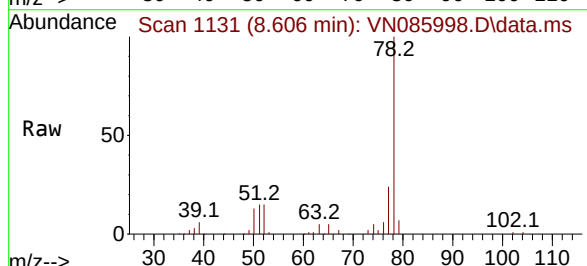
Acq: 18 Mar 2025 12:32

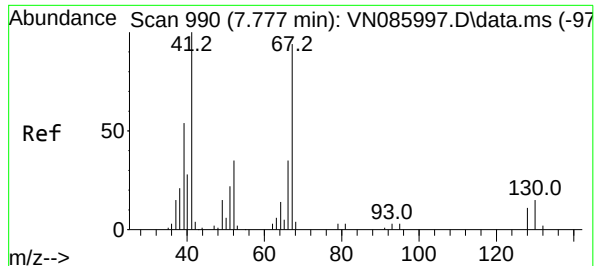
Tgt Ion: 78 Resp: 153432

Ion Ratio Lower Upper

78 100

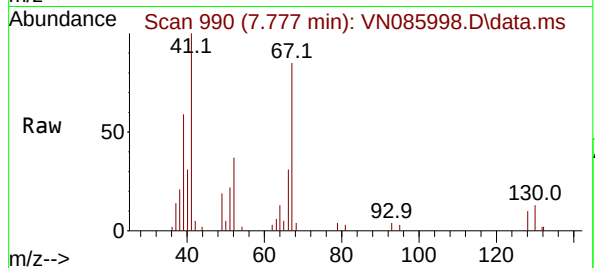
77 23.5 18.9 28.3





#41
Methacrylonitrile
Concen: 20.242 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

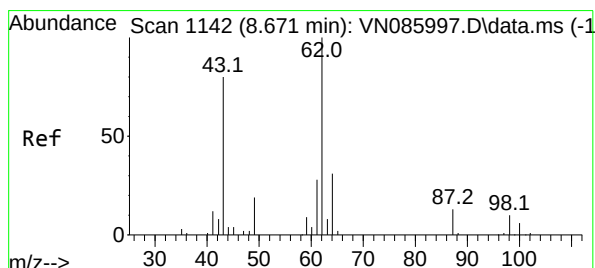
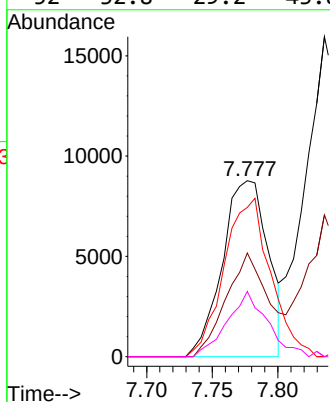
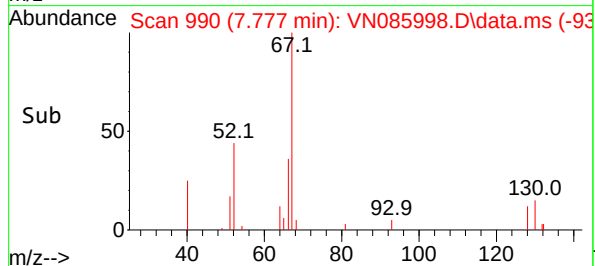
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC020



Tgt Ion: 41 Resp: 21324
Ion Ratio Lower Upper
41 100
39 55.7 46.2 69.2
67 91.0 75.9 113.9
52 32.8 29.2 43.8

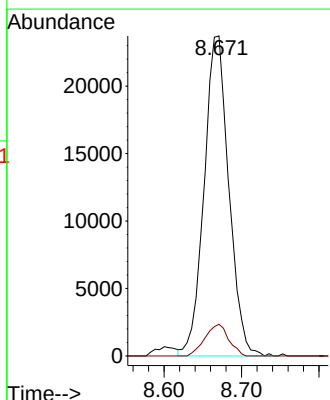
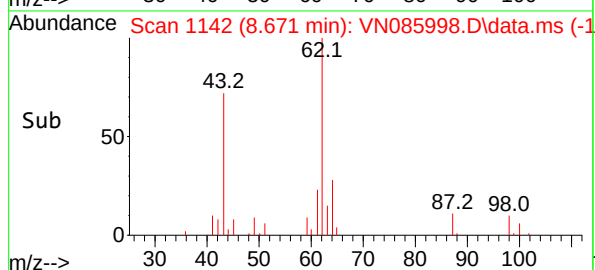
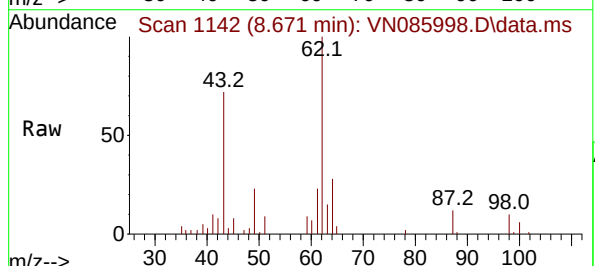
Manual Integrations
APPROVED

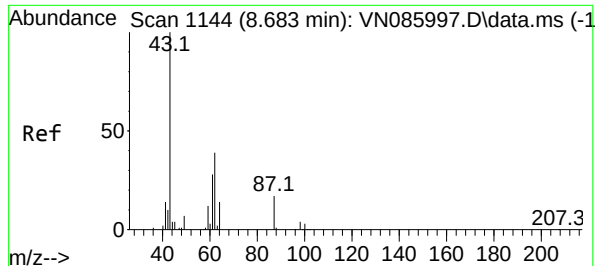
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#42
1,2-Dichloroethane
Concen: 18.401 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 62 Resp: 52637
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.6





#43

Isopropyl Acetate

Concen: 18.838 ug/l m

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 9025

Ion Ratio Lower Upper

43 100

61 23.9 25.0 37.6

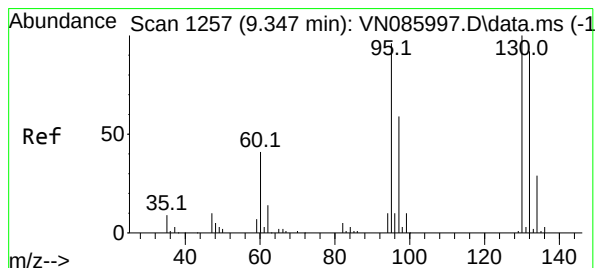
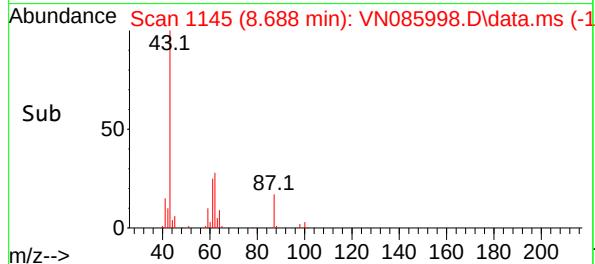
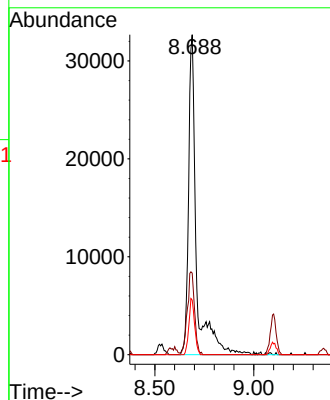
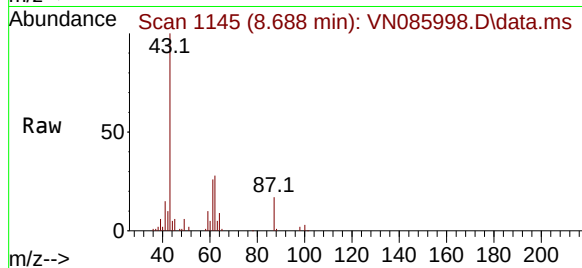
87 12.7 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 17.906 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN085998.D

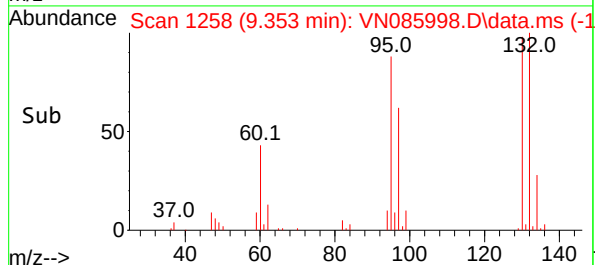
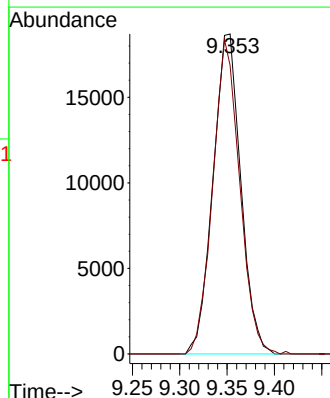
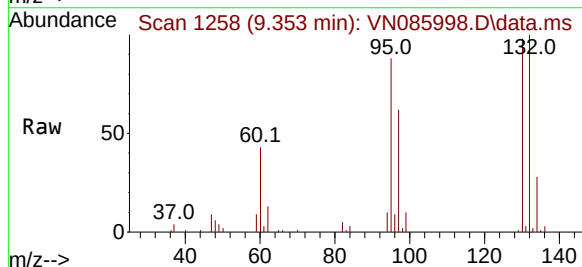
Acq: 18 Mar 2025 12:32

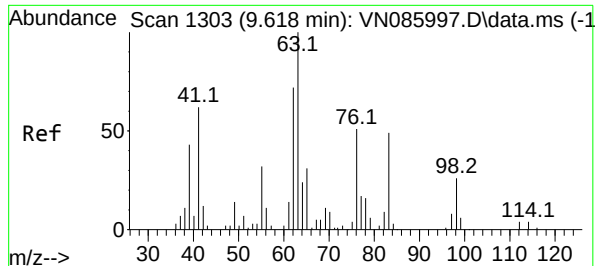
Tgt Ion:130 Resp: 38098

Ion Ratio Lower Upper

130 100

95 90.2 0.0 191.6





#45

1,2-Dichloropropane

Concen: 19.446 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 63 Resp: 36309

Ion Ratio Lower Upper

63 100

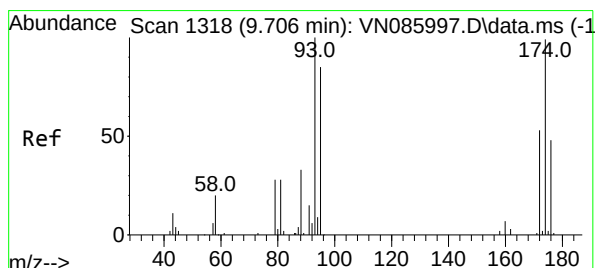
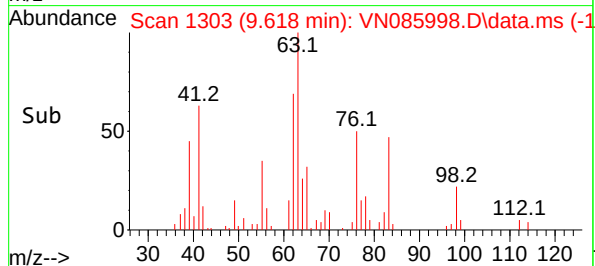
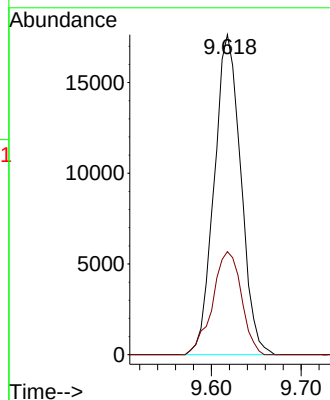
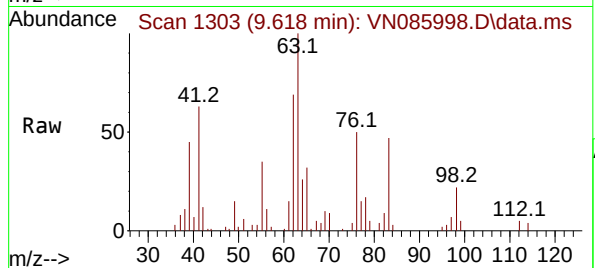
65 32.2 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 18.123 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

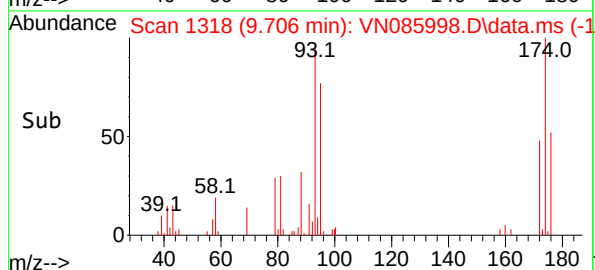
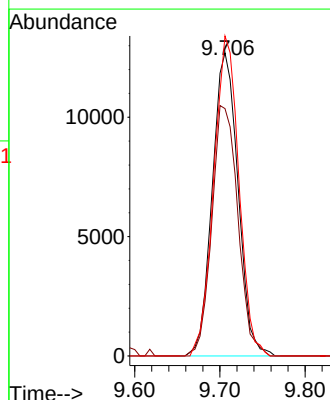
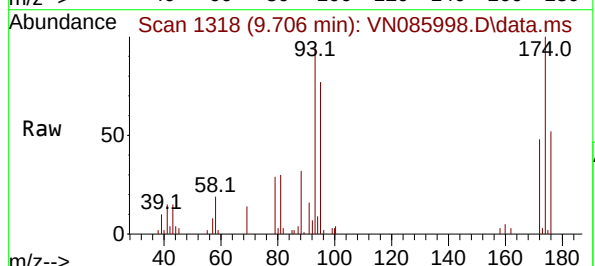
Tgt Ion: 93 Resp: 26612

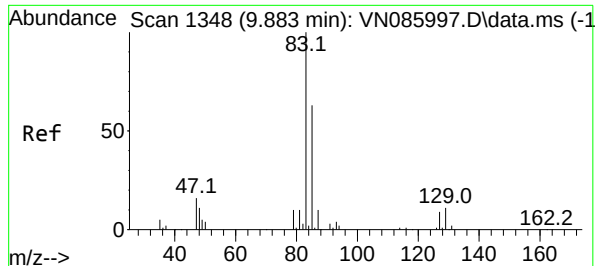
Ion Ratio Lower Upper

93 100

95 83.7 66.2 99.2

174 103.2 80.1 120.1





#47

Bromodichloromethane

Concen: 18.784 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

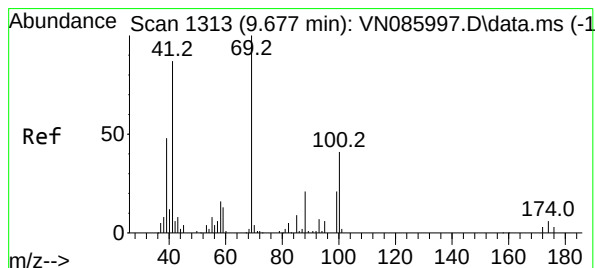
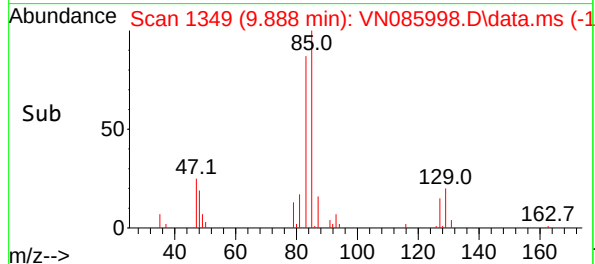
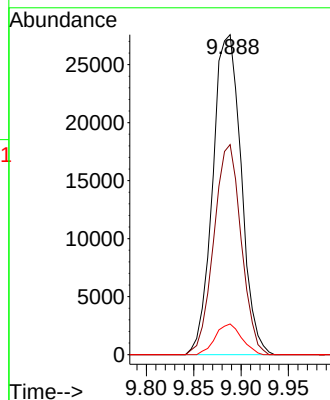
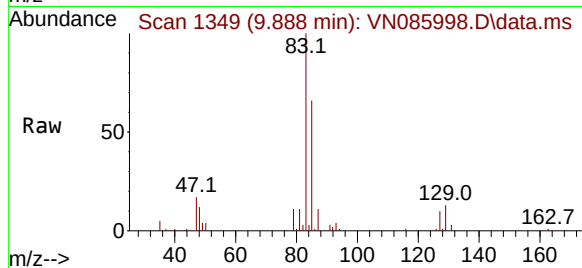
Tgt Ion:	83	Resp:	57640
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.2	75.2
127	9.6	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#48

Methyl methacrylate

Concen: 19.354 ug/l

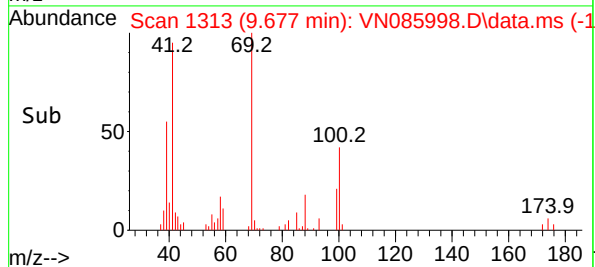
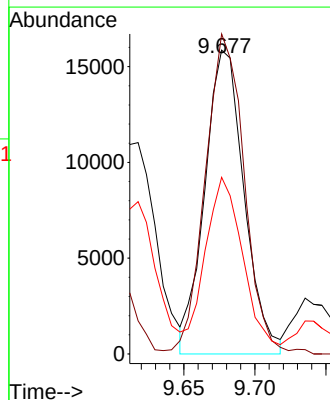
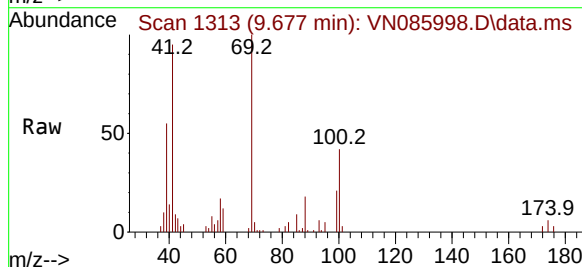
RT: 9.677 min Scan# 1313

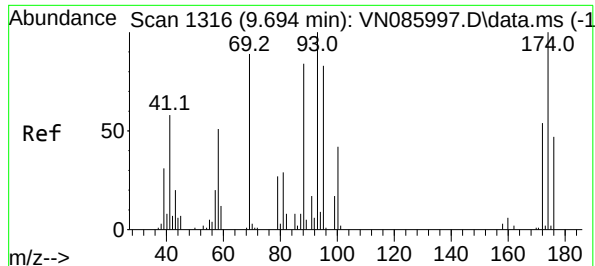
Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:	41	Resp:	30533
Ion	Ratio	Lower	Upper
41	100		
69	104.7	83.1	124.7
39	56.9	45.6	68.4





#49

1,4-Dioxane

Concen: 377.006 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 88 Resp: 14060

Ion Ratio Lower Upper

88 100

43 22.6 21.7 32.5

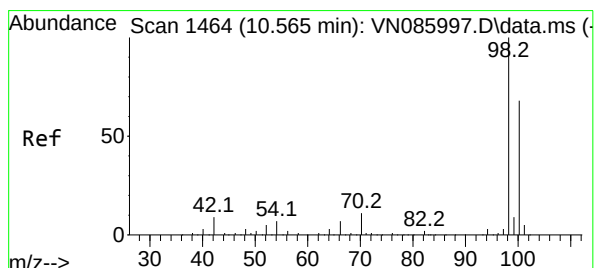
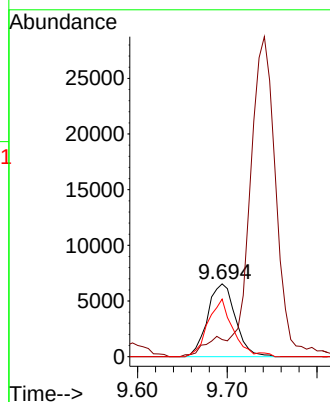
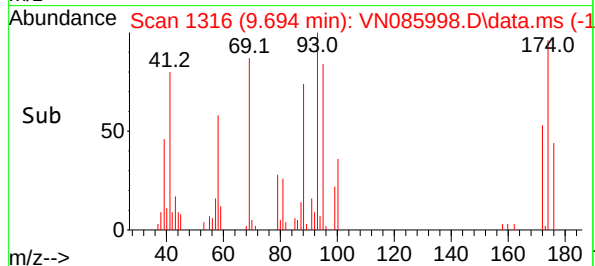
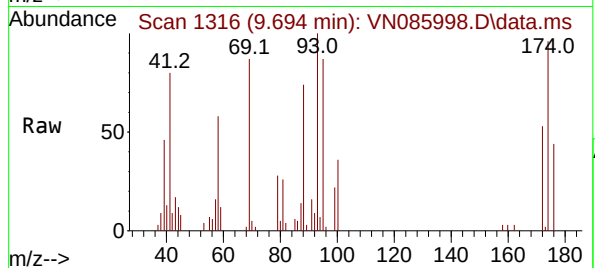
58 71.7 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 19.783 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085998.D

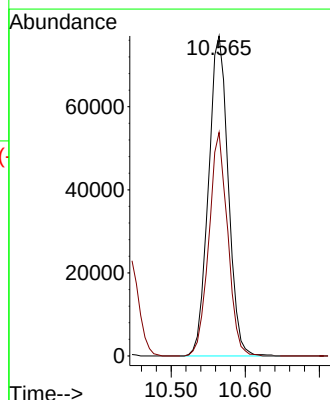
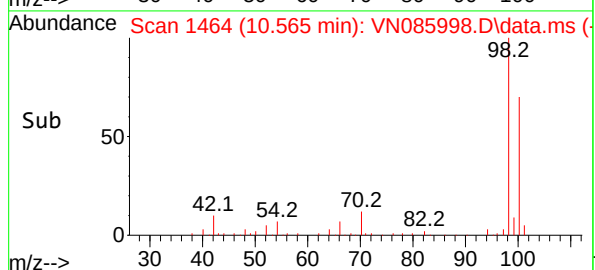
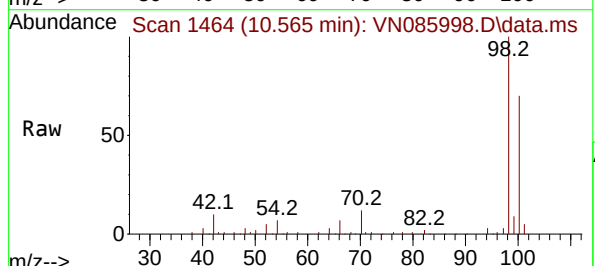
Acq: 18 Mar 2025 12:32

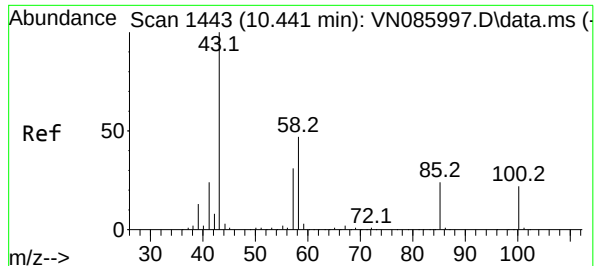
Tgt Ion: 98 Resp: 142597

Ion Ratio Lower Upper

98 100

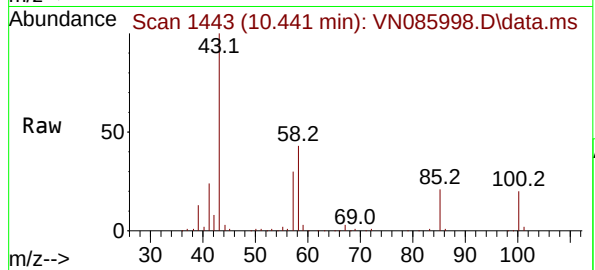
100 66.3 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 99.344 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

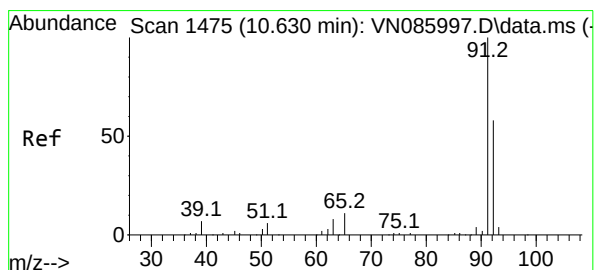
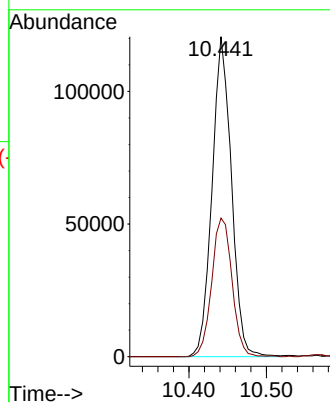
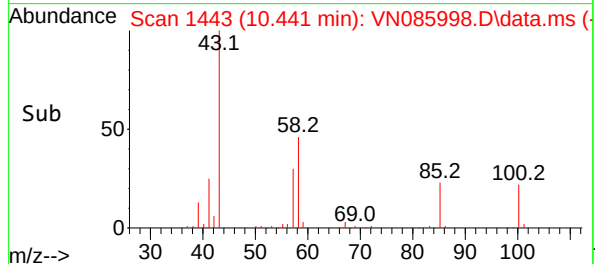
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 209460
Ion Ratio Lower Upper
43 100
58 45.4 37.4 56.0

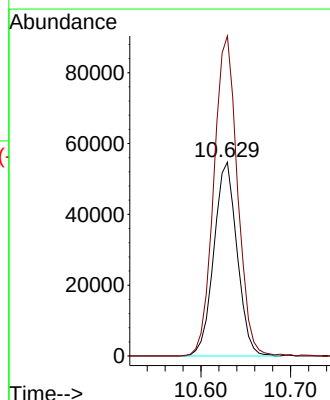
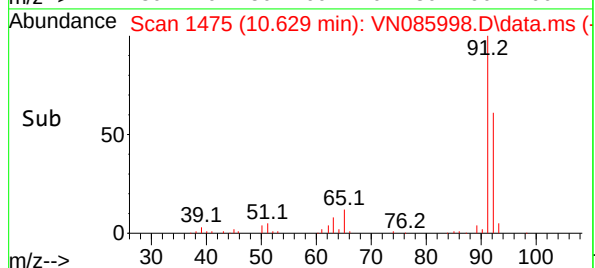
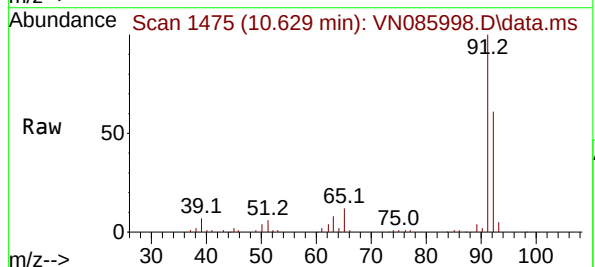
Manual Integrations
APPROVED

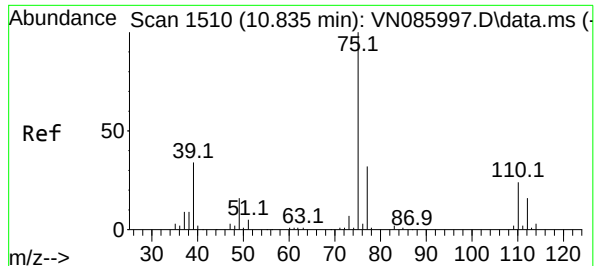
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 19.476 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 92 Resp: 98133
Ion Ratio Lower Upper
92 100
91 168.7 136.2 204.4





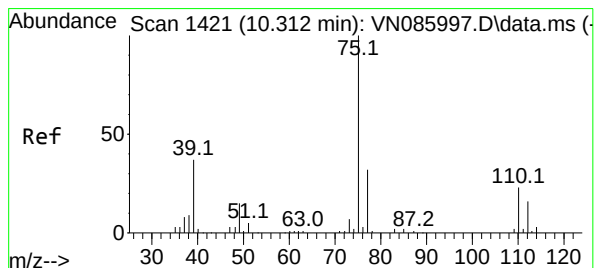
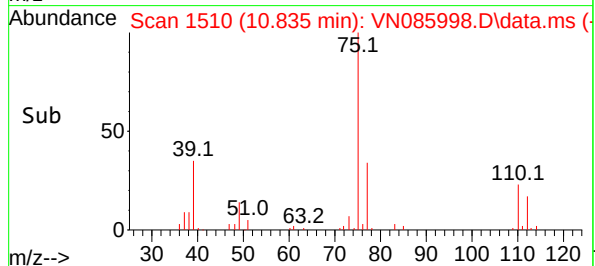
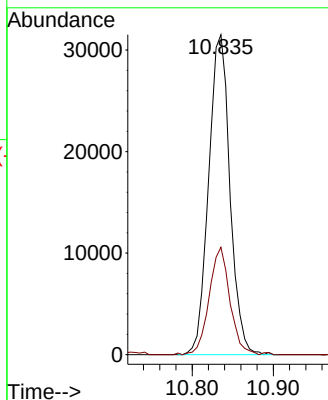
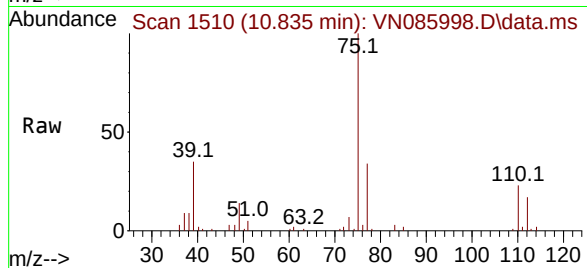
#53
t-1,3-Dichloropropene
Concen: 19.253 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 57384
Ion Ratio Lower Upper
75 100
77 33.6 25.3 37.9

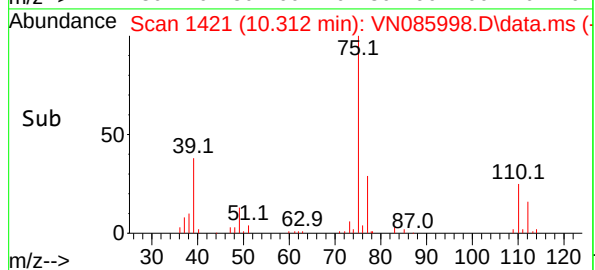
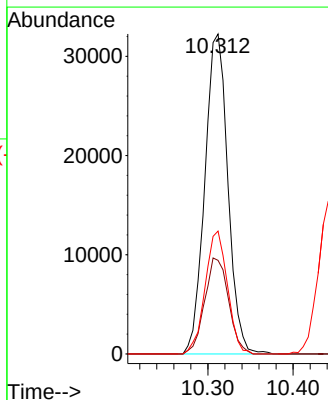
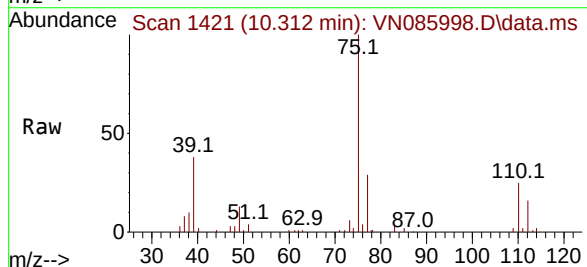
Manual Integrations
APPROVED

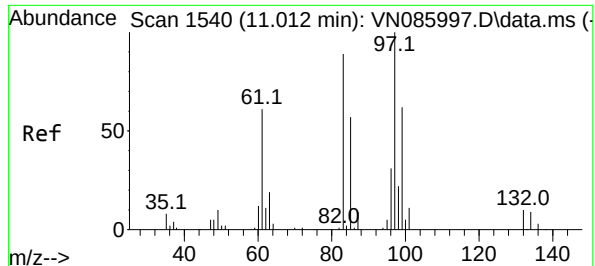
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 19.278 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 75 Resp: 60620
Ion Ratio Lower Upper
75 100
77 29.3 25.3 37.9
39 38.4 29.6 44.4





#55

1,1,2-Trichloroethane

Concen: 18.716 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 35992

Ion Ratio Lower Upper

97 100

83 85.4 71.2 106.8

85 58.4 45.4 68.0

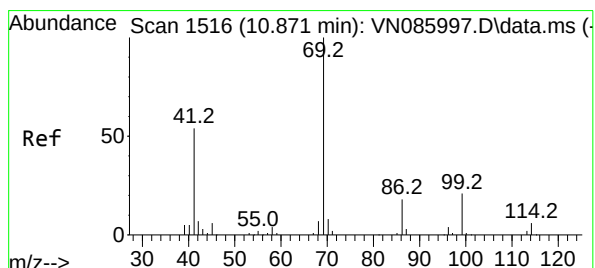
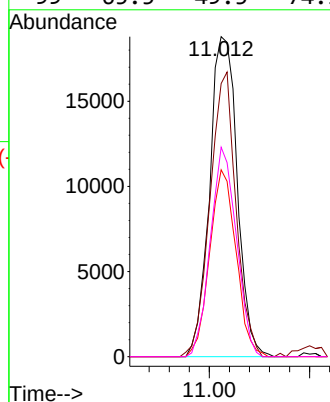
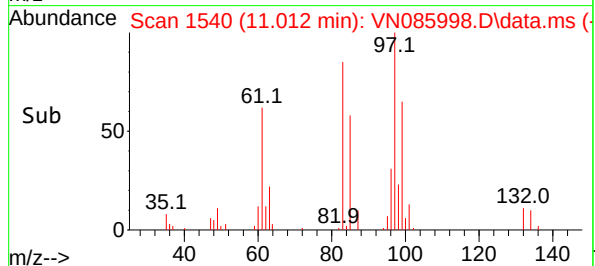
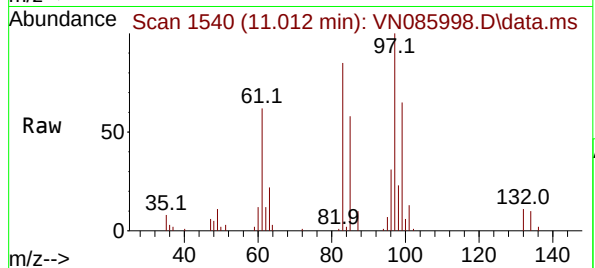
99 65.5 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#56

Ethyl methacrylate

Concen: 20.039 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

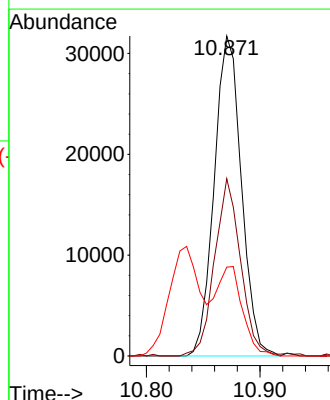
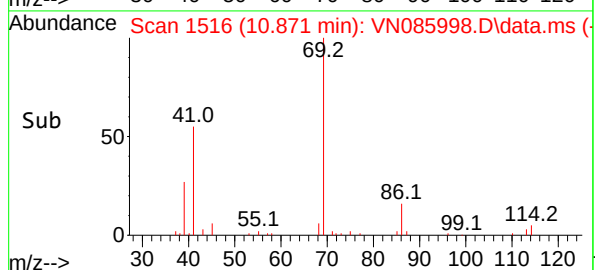
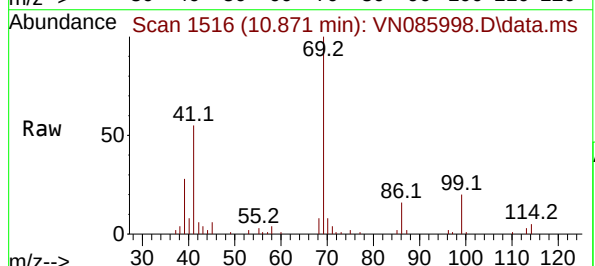
Tgt Ion: 69 Resp: 52684

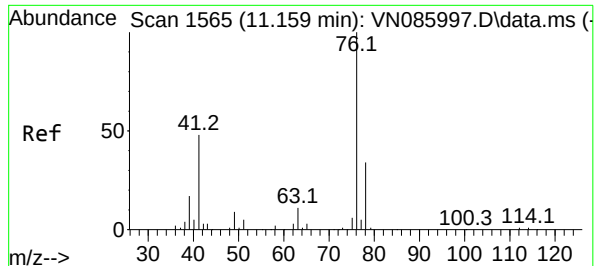
Ion Ratio Lower Upper

69 100

41 53.0 41.6 62.4

39 27.8 21.8 32.8





#57

1,3-Dichloropropane

Concen: 18.788 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 61369

Ion Ratio Lower Upper

76 100

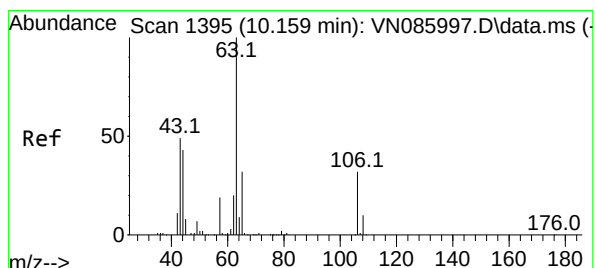
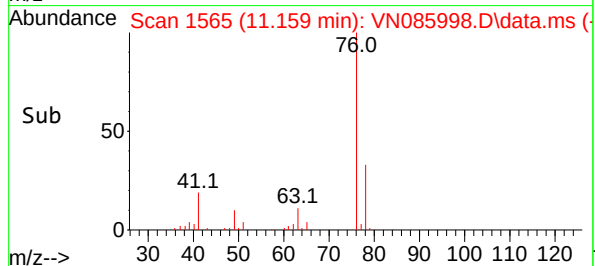
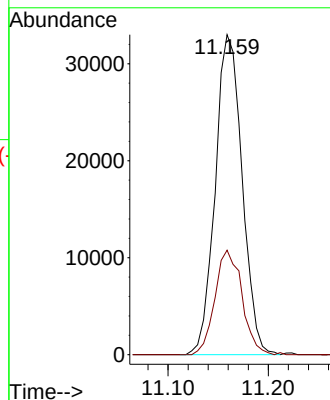
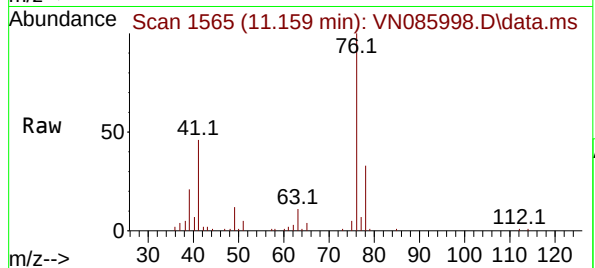
78 32.9 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 69.674 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085998.D

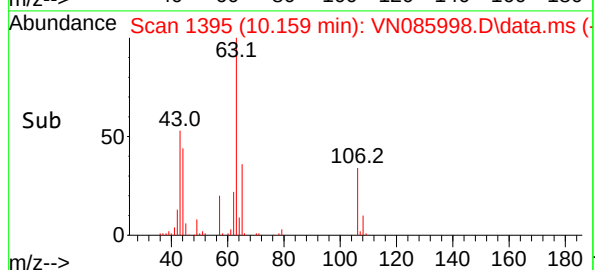
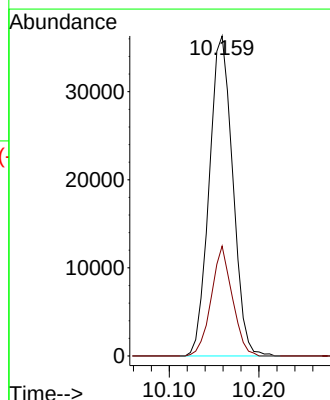
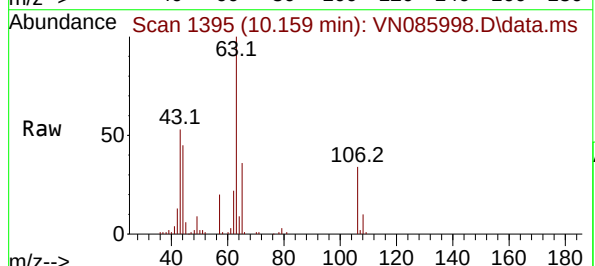
Acq: 18 Mar 2025 12:32

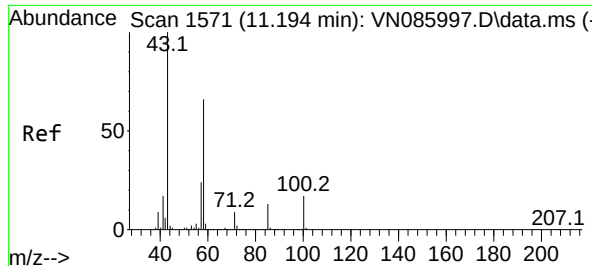
Tgt Ion: 63 Resp: 66141

Ion Ratio Lower Upper

63 100

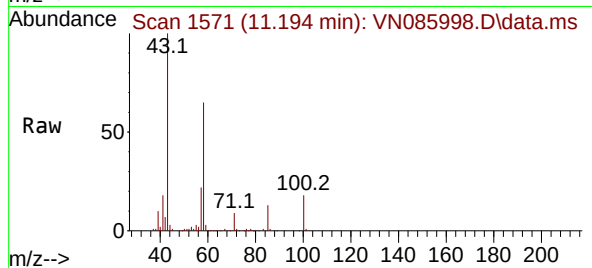
106 30.8 25.0 37.6





#59
2-Hexanone
Concen: 99.554 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

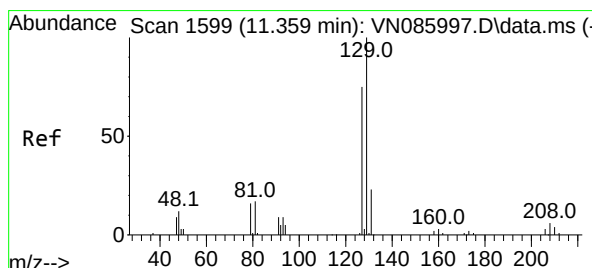
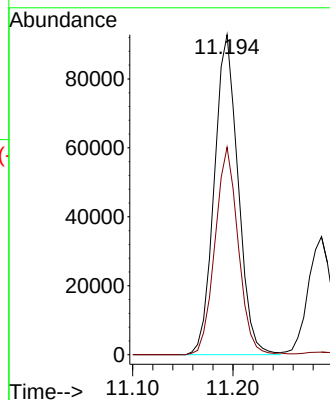
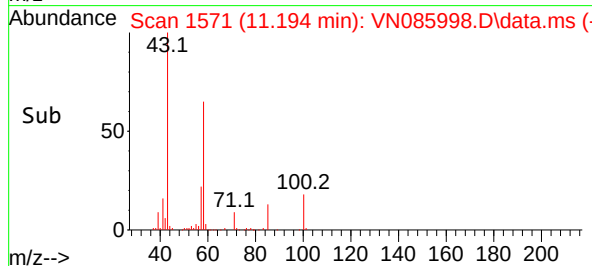
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 152912
Ion Ratio Lower Upper
43 100
58 63.2 32.4 97.2

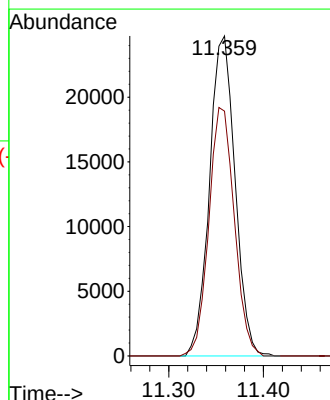
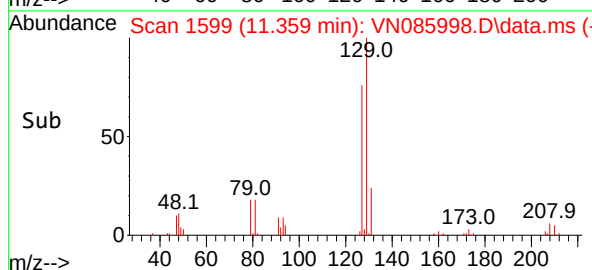
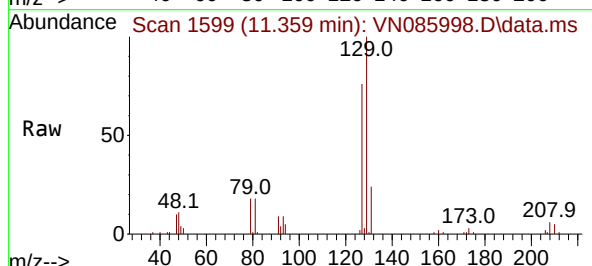
Manual Integrations
APPROVED

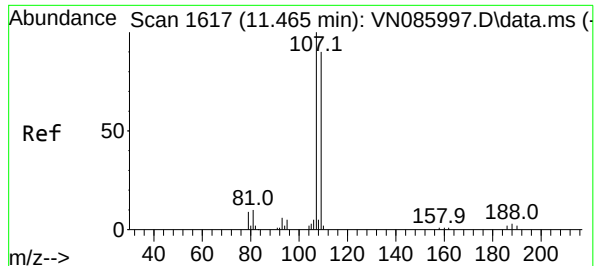
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#60
Dibromochloromethane
Concen: 18.701 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

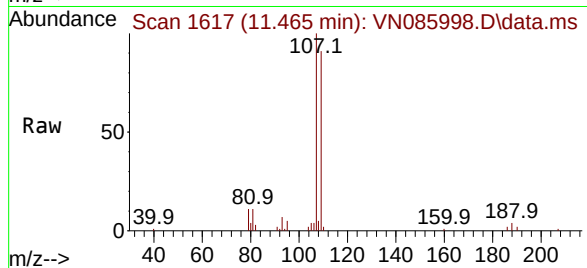
Tgt Ion:129 Resp: 46407
Ion Ratio Lower Upper
129 100
127 77.3 37.8 113.4





#61
1,2-Dibromoethane
Concen: 18.777 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

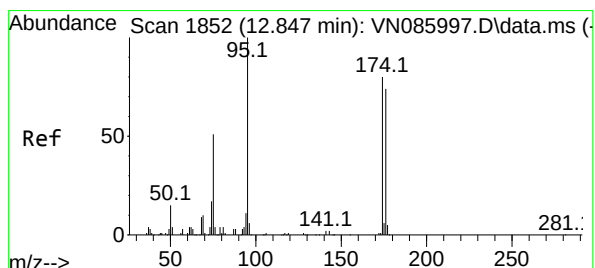
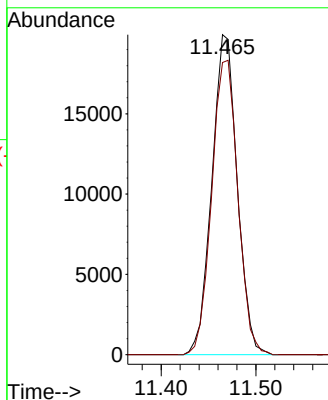
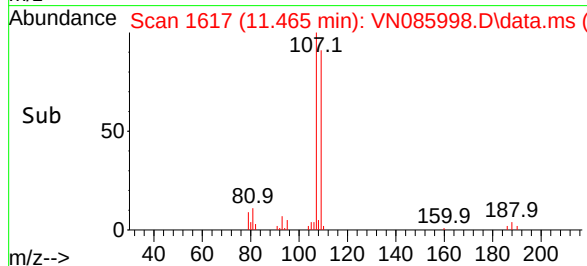
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:107 Resp: 3707
Ion Ratio Lower Upper
107 100
109 94.8 73.3 109.9

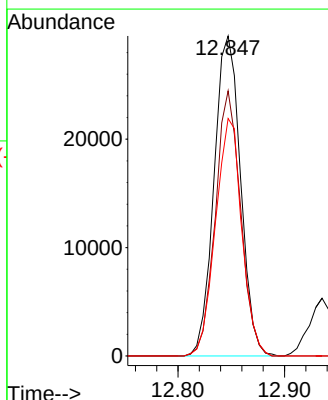
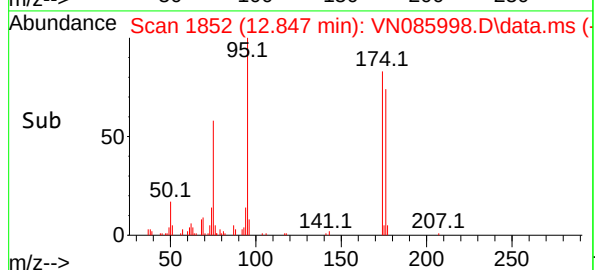
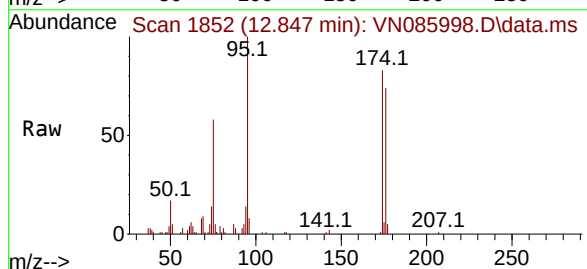
Manual Integrations
APPROVED

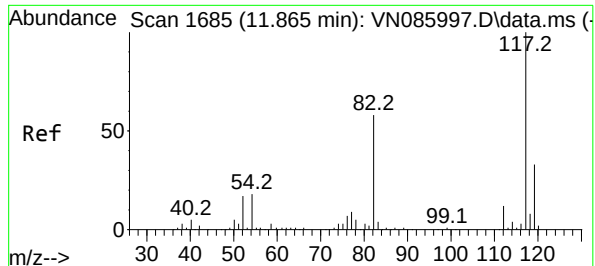
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 19.799 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 95 Resp: 50895
Ion Ratio Lower Upper
95 100
174 79.0 0.0 156.8
176 73.9 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:117 Resp: 25168

Ion Ratio Lower Upper

117 100

82 56.1 46.7 70.1

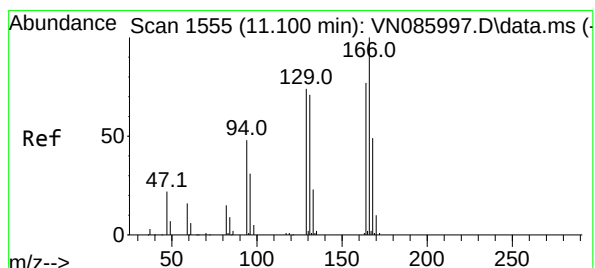
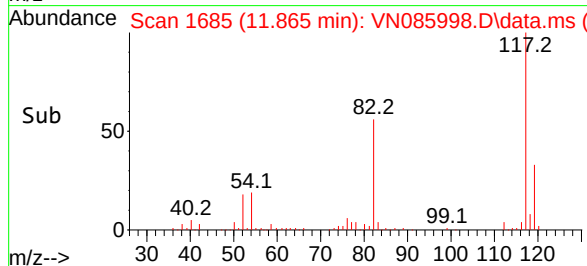
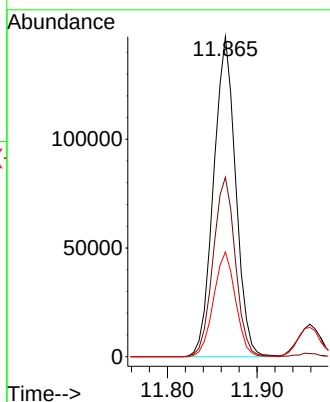
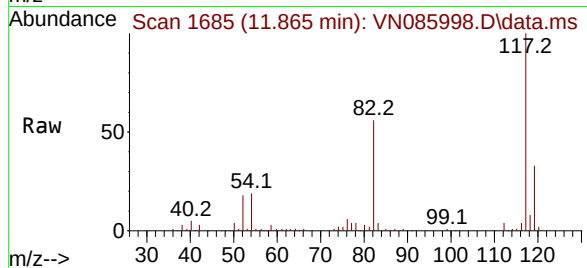
119 32.7 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#64

Tetrachloroethene

Concen: 18.572 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:164 Resp: 37287

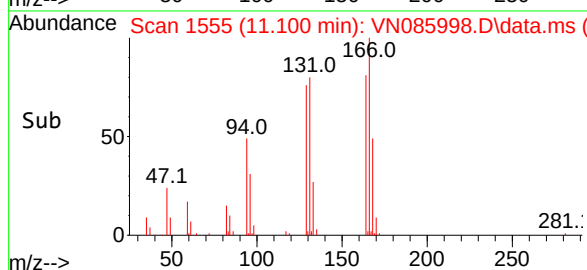
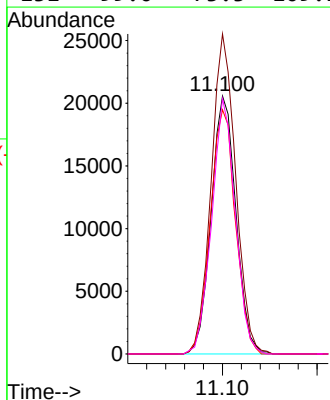
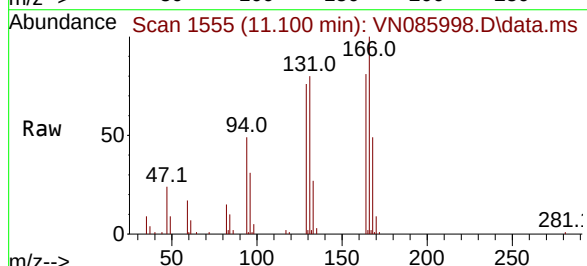
Ion Ratio Lower Upper

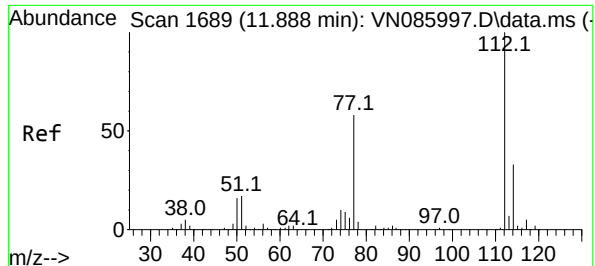
164 100

166 124.1 103.7 155.5

129 94.7 77.1 115.7

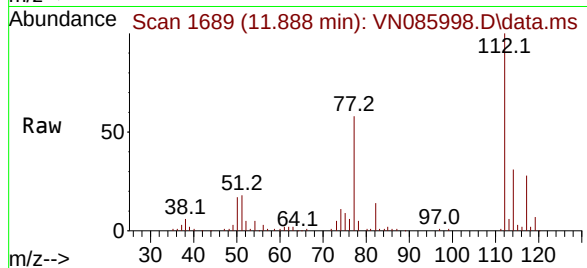
131 99.0 73.3 109.9





#65
Chlorobenzene
Concen: 18.708 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

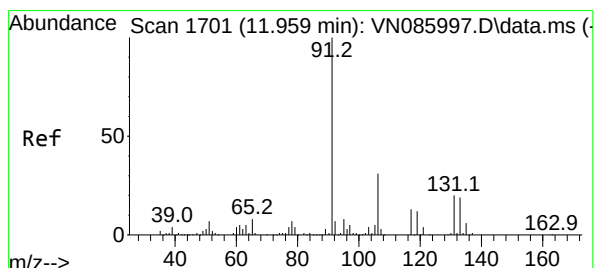
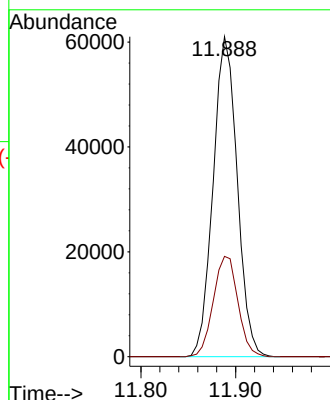
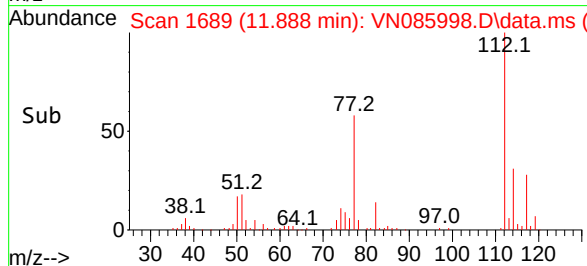
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:112 Resp: 10774
Ion Ratio Lower Upper
112 100
114 31.4 26.3 39.5

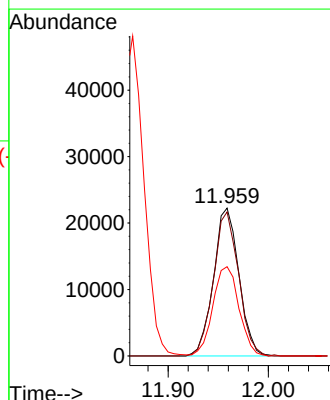
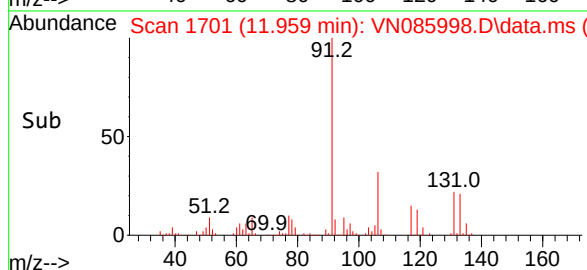
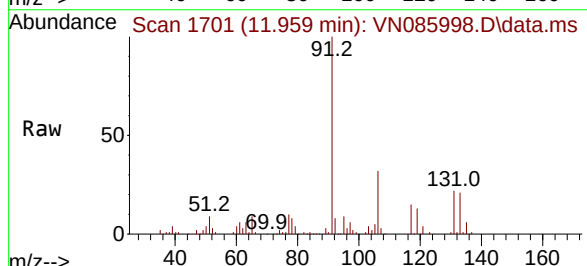
Manual Integrations
APPROVED

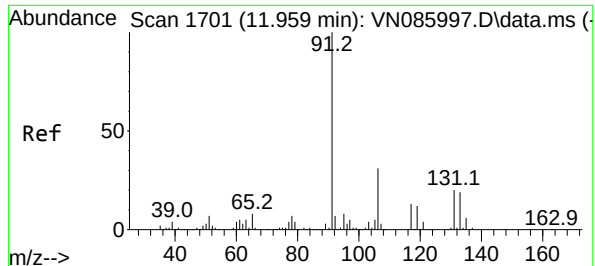
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 18.264 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

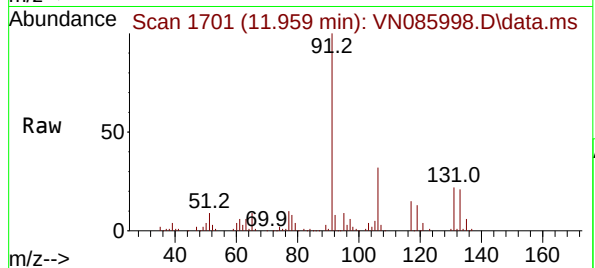
Tgt Ion:131 Resp: 39102
Ion Ratio Lower Upper
131 100
133 96.4 47.0 141.0
119 62.1 31.4 94.0





#67
Ethyl Benzene
Concen: 19.060 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

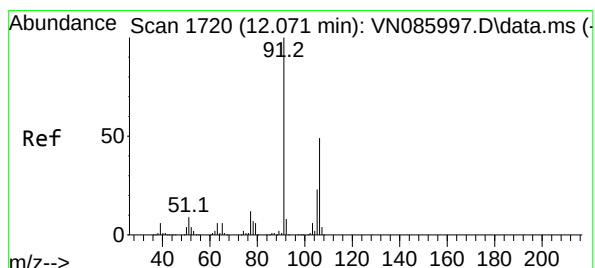
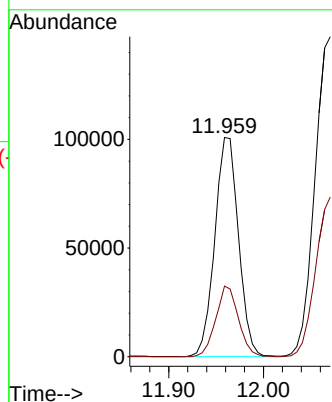
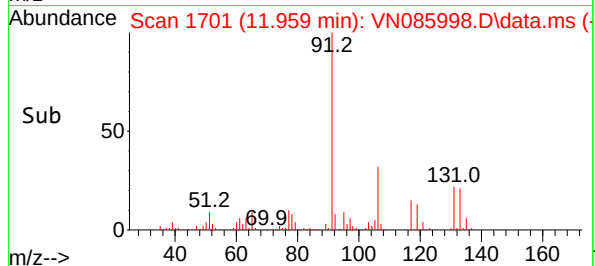
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 91 Resp: 175592
Ion Ratio Lower Upper
91 100
106 32.2 24.5 36.7

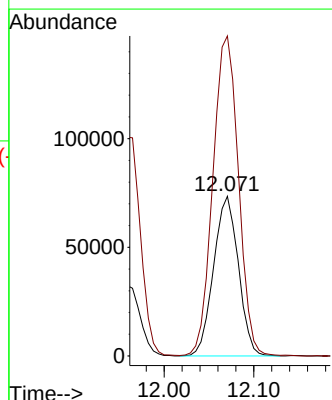
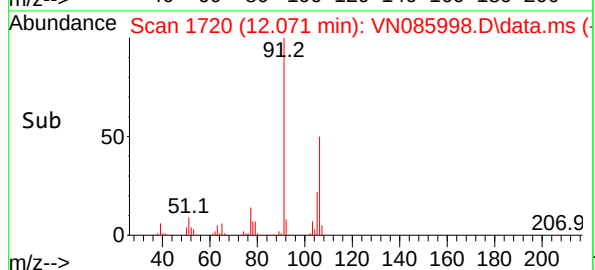
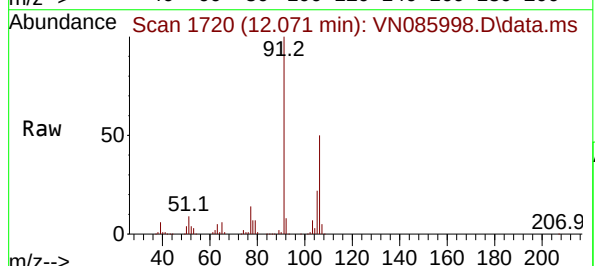
Manual Integrations
APPROVED

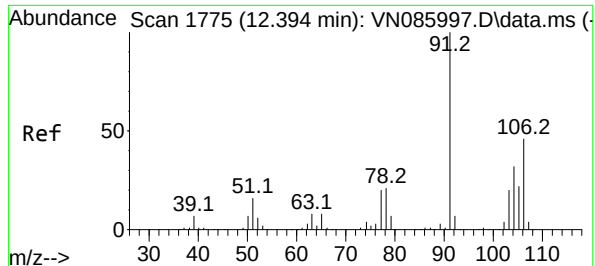
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#68
m/p-Xylenes
Concen: 38.948 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion:106 Resp: 141029
Ion Ratio Lower Upper
106 100
91 206.8 163.9 245.9





#69

o-Xylene

Concen: 19.853 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 65978

Ion Ratio Lower Upper

106 100

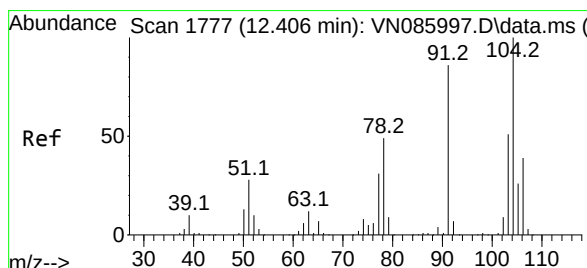
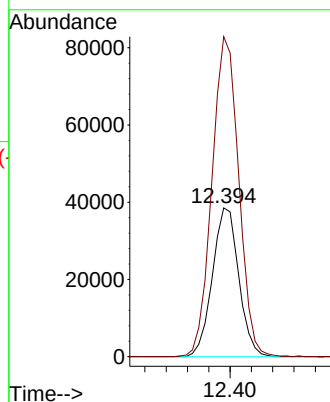
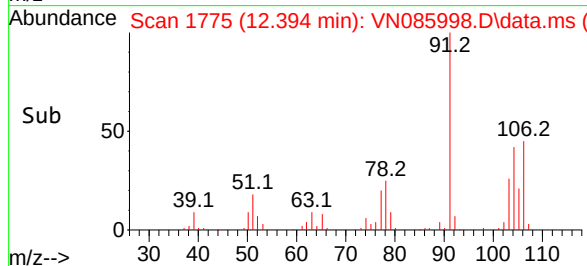
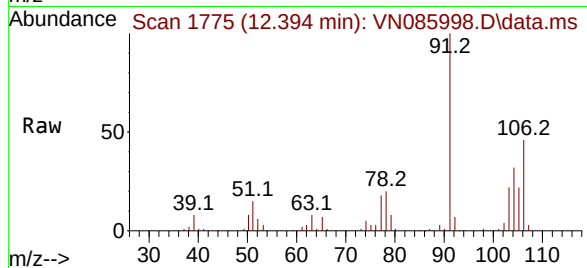
91 219.1 109.1 327.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#70

Styrene

Concen: 19.780 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

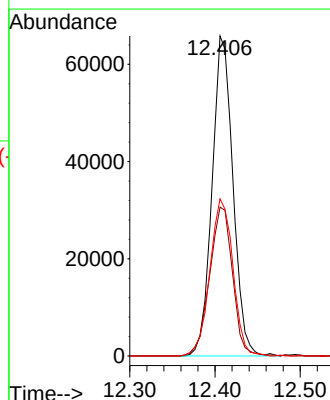
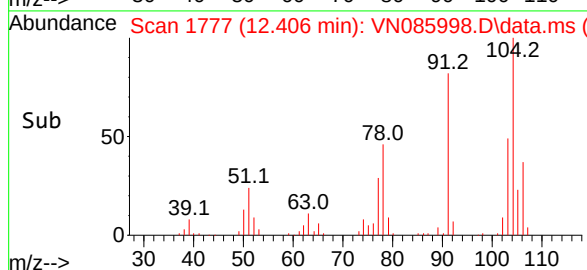
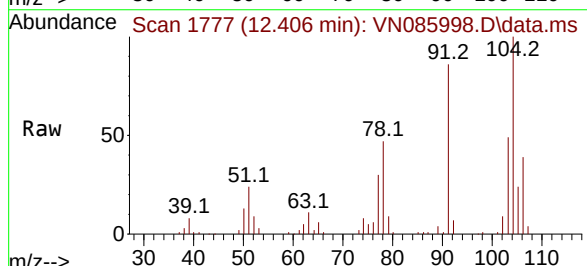
Tgt Ion:104 Resp: 112279

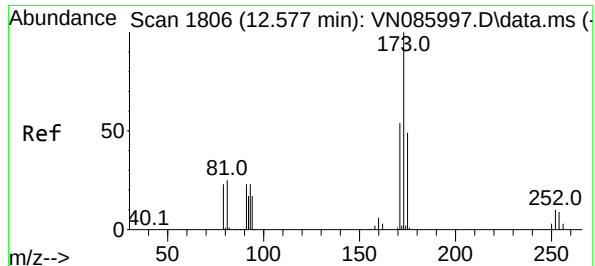
Ion Ratio Lower Upper

104 100

78 50.9 41.4 62.2

103 54.1 42.9 64.3





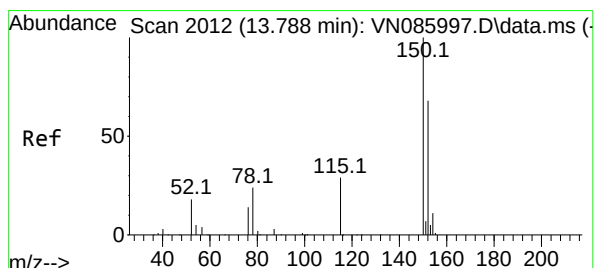
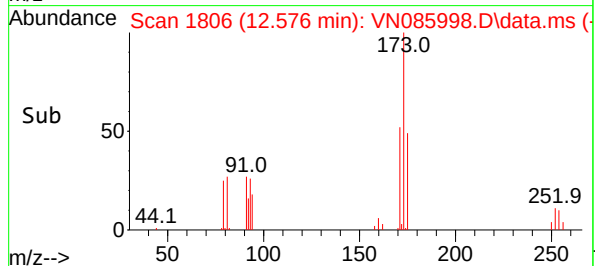
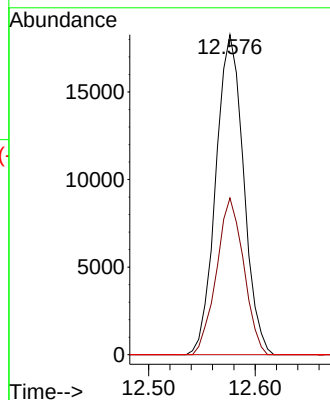
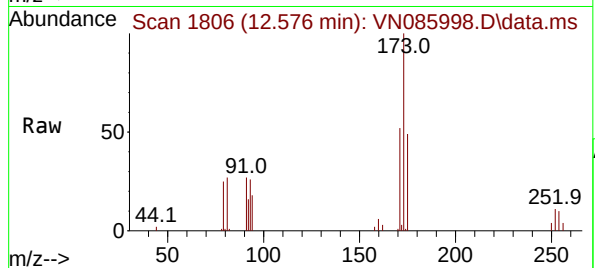
#71
Bromoform
Concen: 18.487 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 33080
Ion Ratio Lower Upper
173 100
175 47.9 24.3 73.0
254 0.0 0.0 0.0

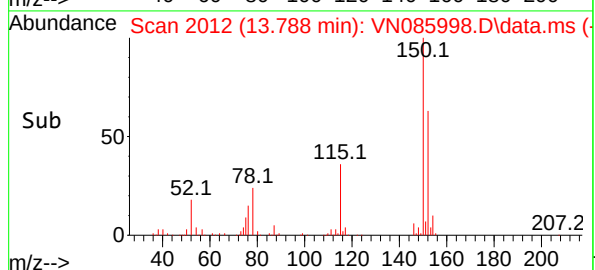
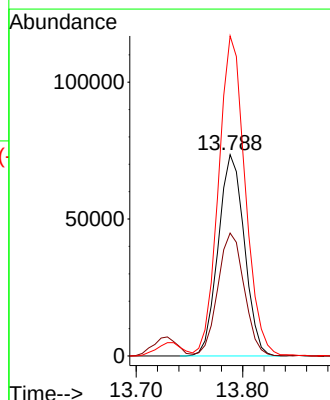
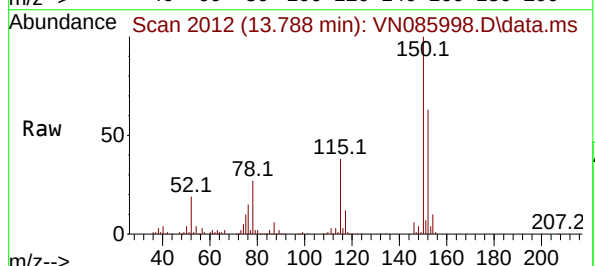
Manual Integrations
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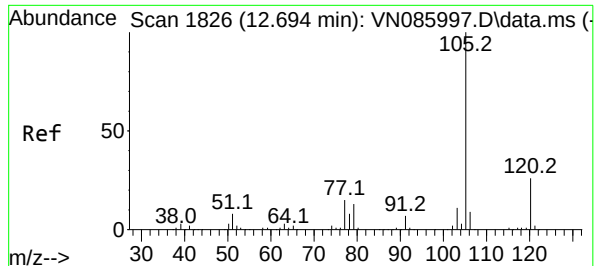
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

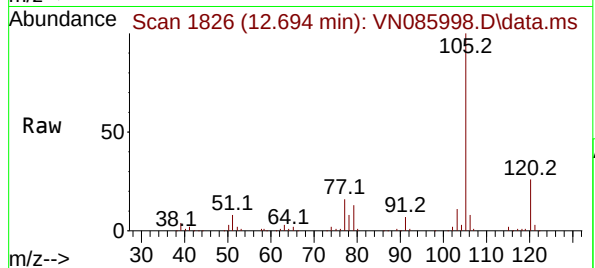
Tgt Ion:152 Resp: 125230
Ion Ratio Lower Upper
152 100
115 61.8 31.1 93.2
150 162.6 0.0 359.6





#73
Isopropylbenzene
Concen: 19.041 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

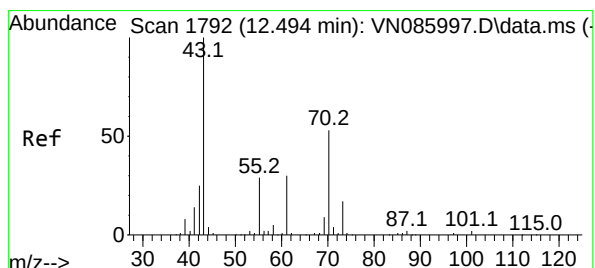
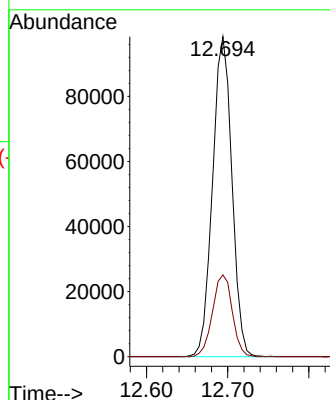
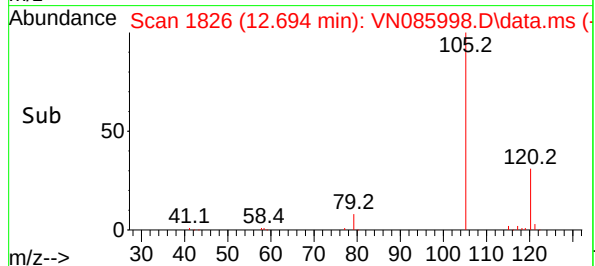
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 162838
Ion Ratio Lower Upper
105 100
120 26.1 13.0 39.0

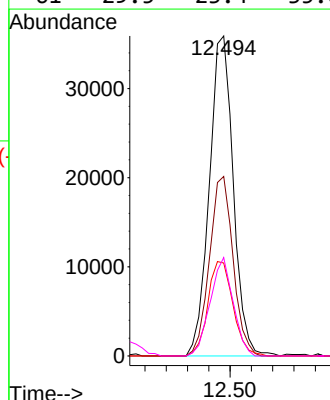
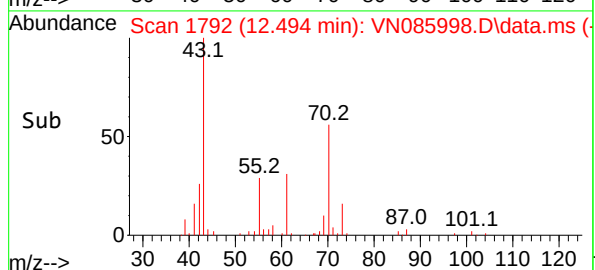
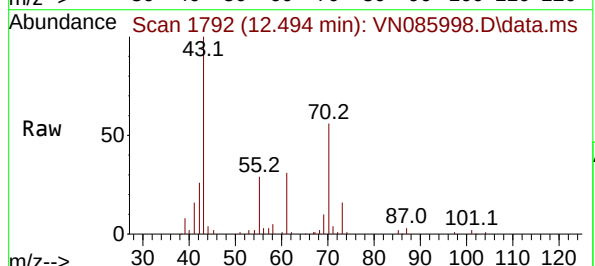
Manual Integrations
APPROVED

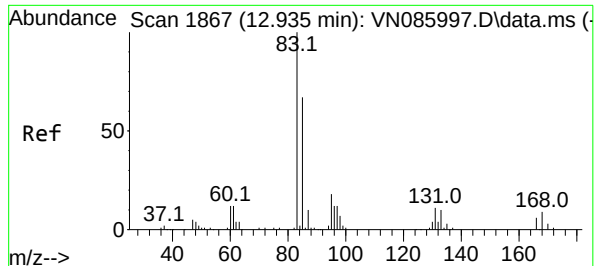
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#74
N-ethyl acetate
Concen: 19.630 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

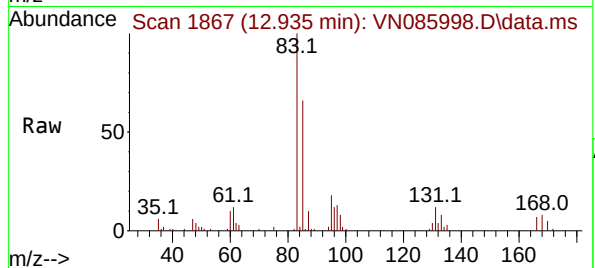
Tgt Ion: 43 Resp: 56163
Ion Ratio Lower Upper
43 100
70 55.2 43.0 64.4
55 31.0 23.8 35.8
61 29.5 23.4 35.0





#75
1,1,2,2-Tetrachloroethane
Concen: 18.023 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

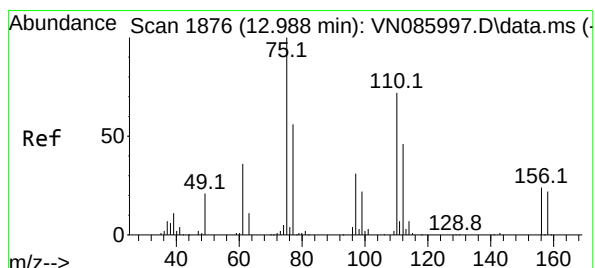
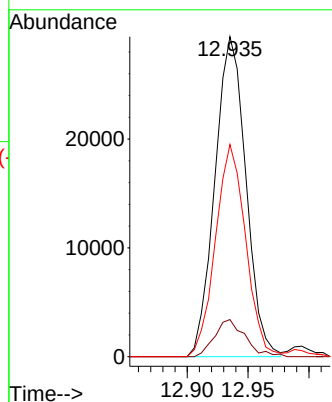
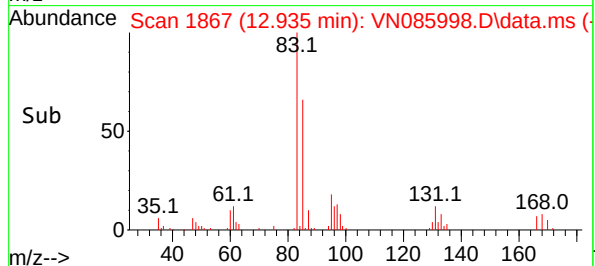
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 83 Resp: 52144
Ion Ratio Lower Upper
83 100
131 11.4 5.5 16.5
85 64.4 32.6 97.8

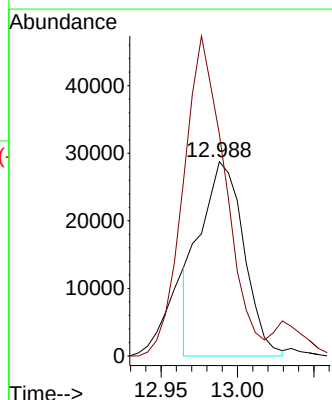
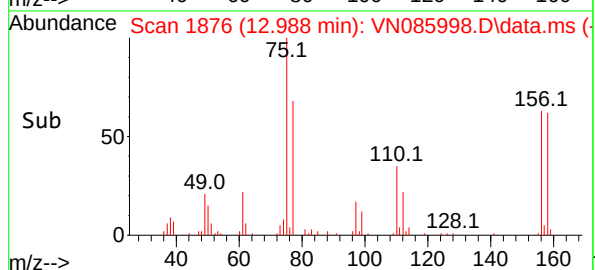
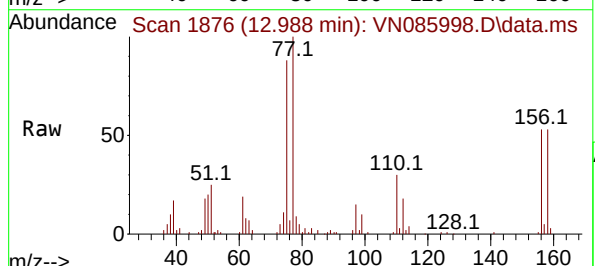
Manual Integrations
APPROVED

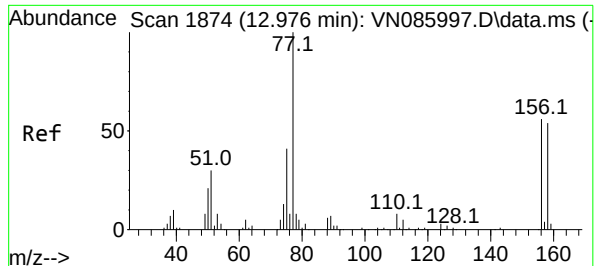
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 20.137 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

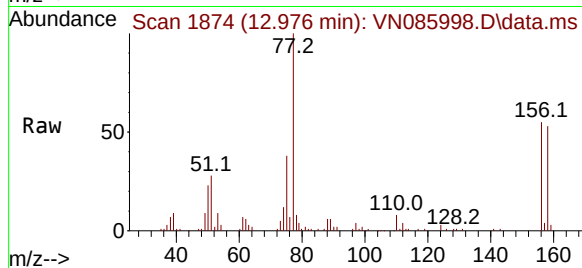
Tgt Ion: 75 Resp: 57493
Ion Ratio Lower Upper
75 100
77 157.3 83.7 251.0





#77
Bromobenzene
Concen: 18.439 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

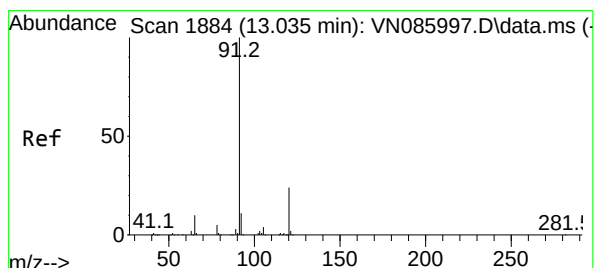
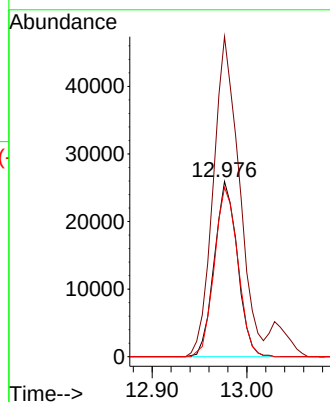
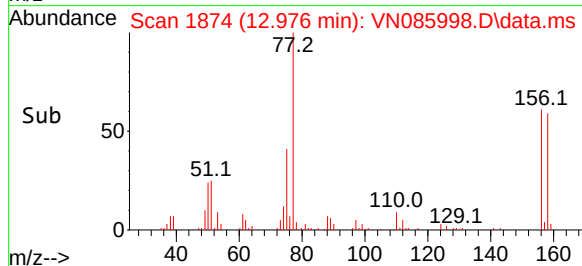
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:156 Resp: 43968
Ion Ratio Lower Upper
156 100
77 205.7 104.1 312.3
158 98.3 49.0 147.0

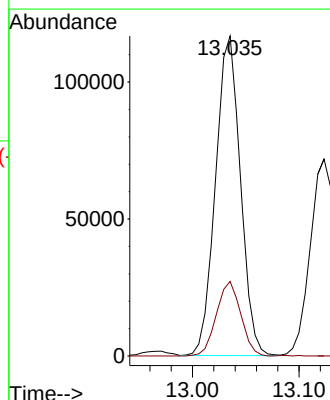
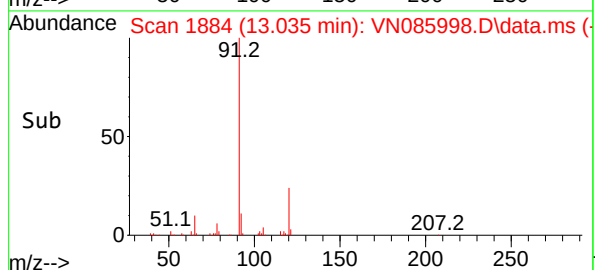
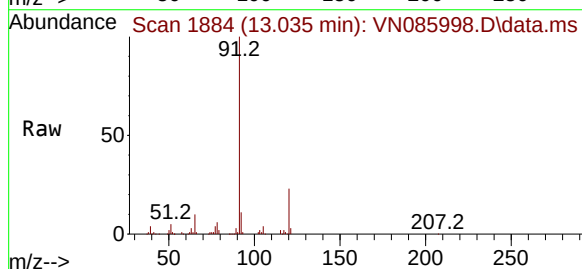
Manual Integrations
APPROVED

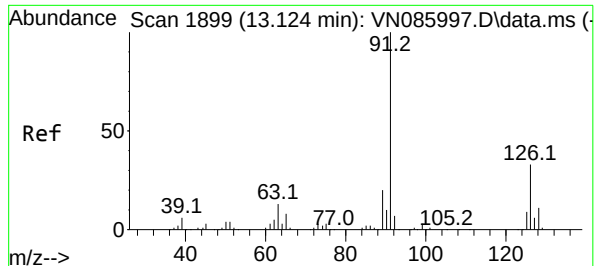
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#78
n-propylbenzene
Concen: 19.524 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 91 Resp: 189068
Ion Ratio Lower Upper
91 100
120 22.8 11.7 35.0





#79

2-Chlorotoluene

Concen: 19.256 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 123854

Ion Ratio Lower Upper

91 100

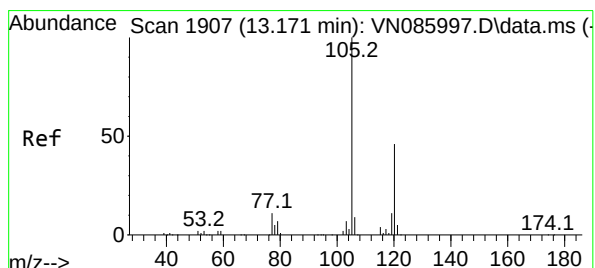
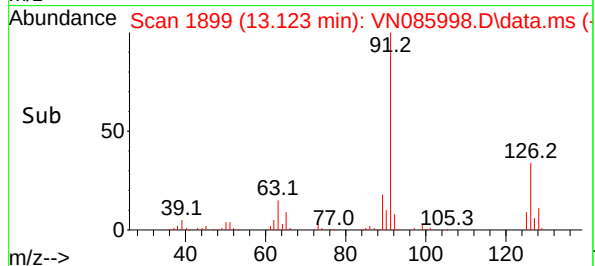
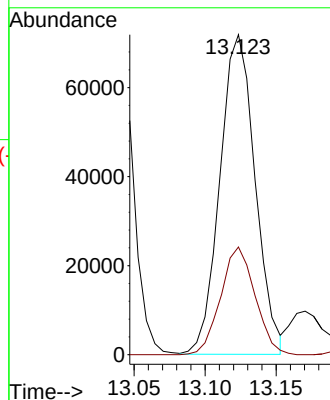
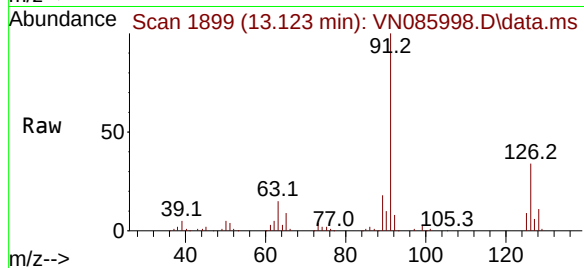
126 32.8 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.740 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085998.D

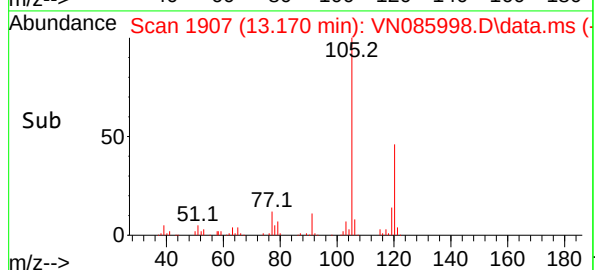
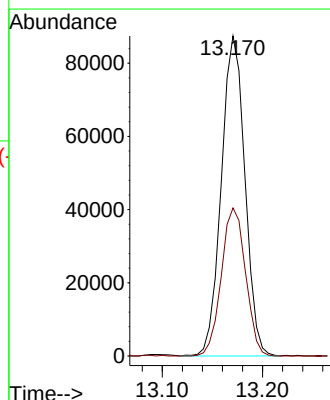
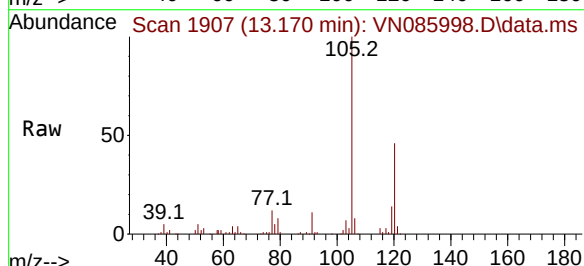
Acq: 18 Mar 2025 12:32

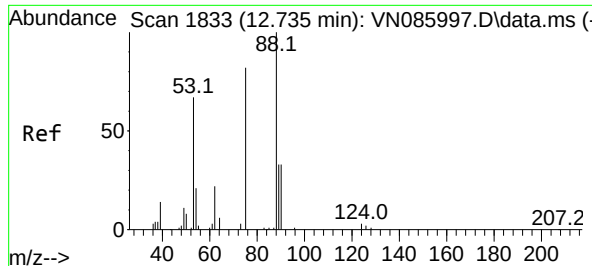
Tgt Ion:105 Resp: 142528

Ion Ratio Lower Upper

105 100

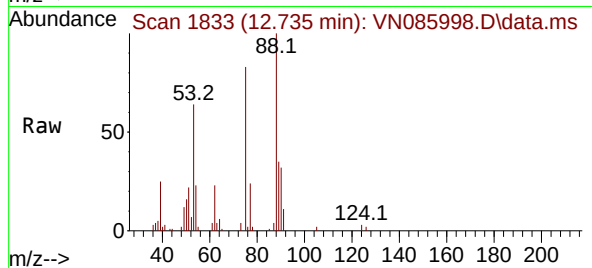
120 47.4 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 19.827 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

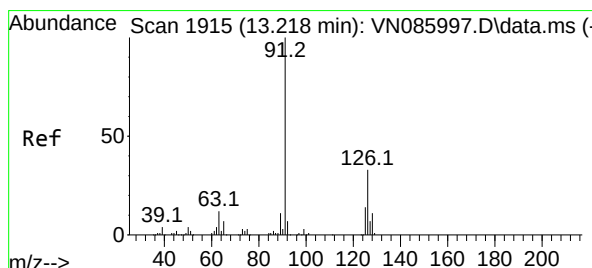
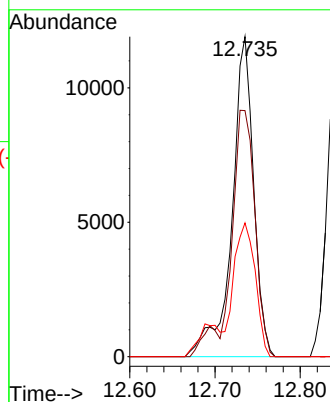
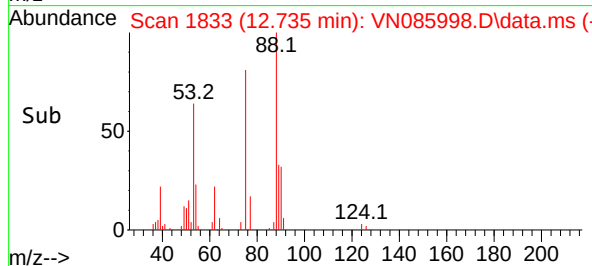
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 75 Resp: 21020
Ion Ratio Lower Upper
75 100
53 77.5 66.0 99.0
89 42.3 36.9 55.3

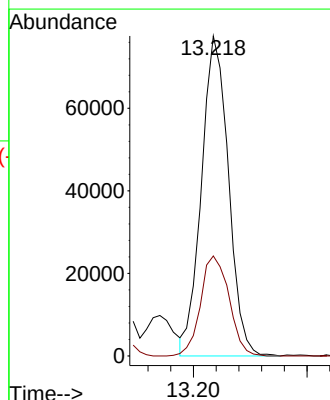
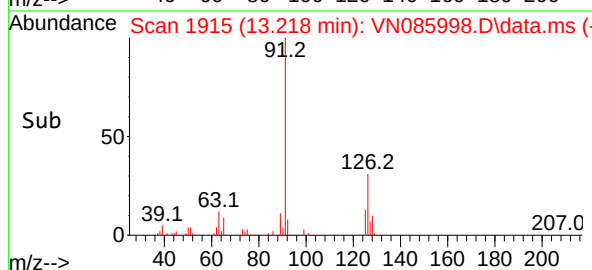
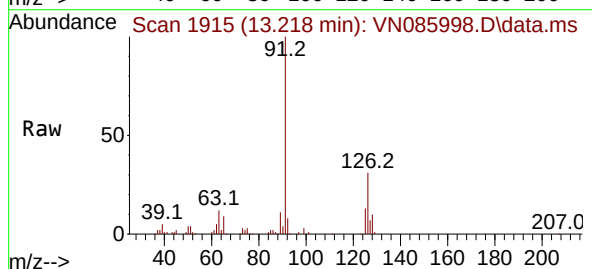
Manual Integrations
APPROVED

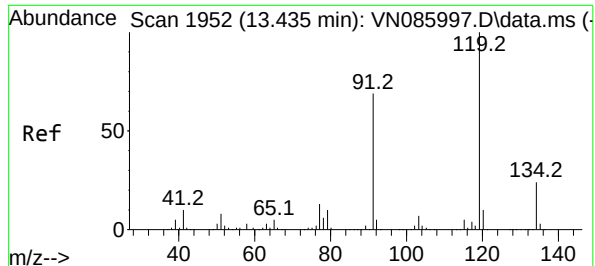
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 19.376 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

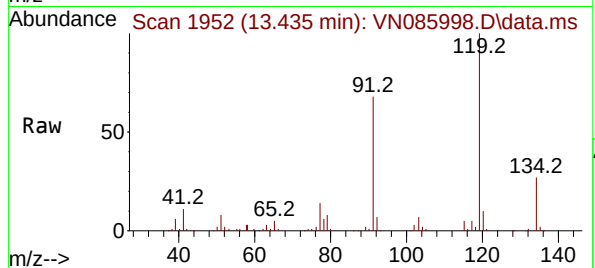
Tgt Ion: 91 Resp: 128159
Ion Ratio Lower Upper
91 100
126 32.9 16.1 48.2





#83
tert-Butylbenzene
Concen: 18.570 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

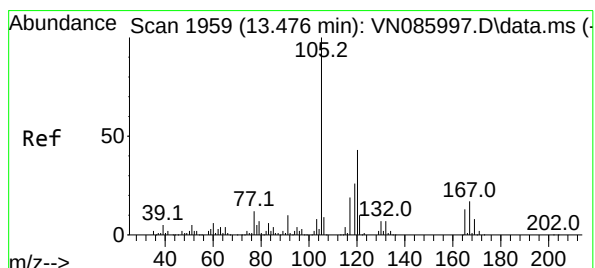
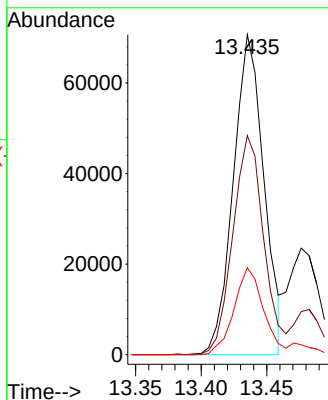
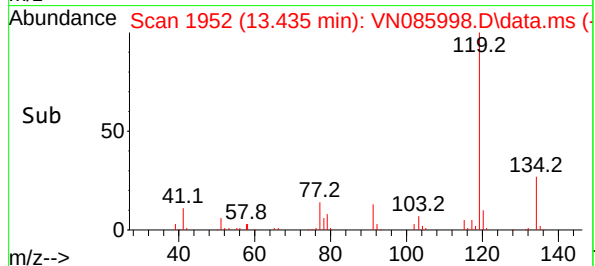
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



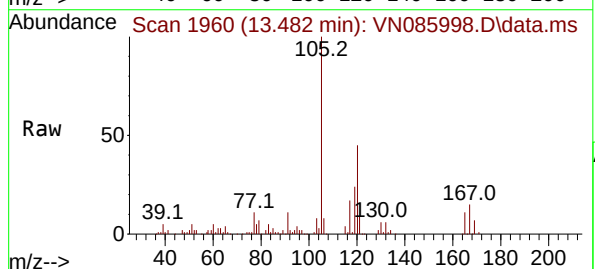
Tgt Ion:119 Resp: 114669
Ion Ratio Lower Upper
119 100
91 69.4 34.3 102.9
134 26.2 13.5 40.5

Manual Integrations
APPROVED

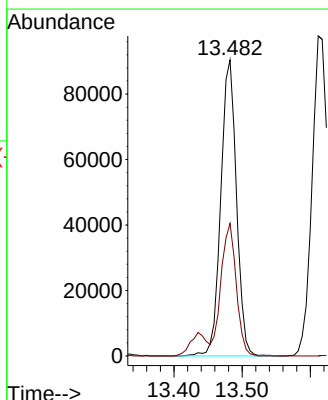
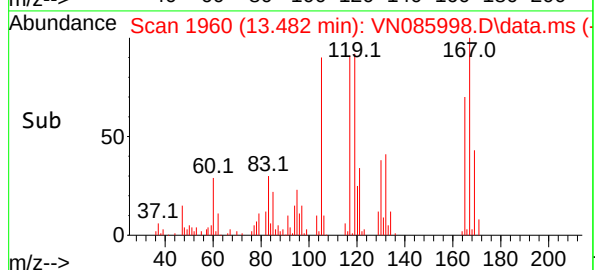
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

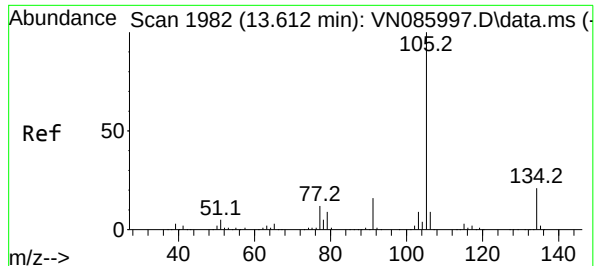


#84
1,2,4-Trimethylbenzene
Concen: 19.850 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32



Tgt Ion:105 Resp: 144557
Ion Ratio Lower Upper
105 100
120 43.6 21.9 65.8





#85

sec-Butylbenzene

Concen: 19.734 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 158970

Ion Ratio Lower Upper

105 100

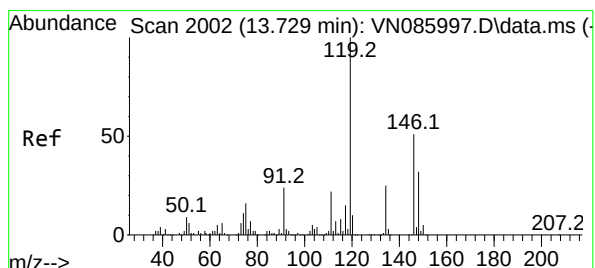
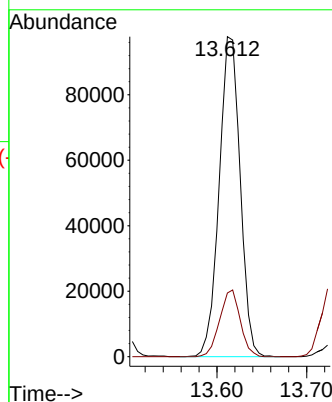
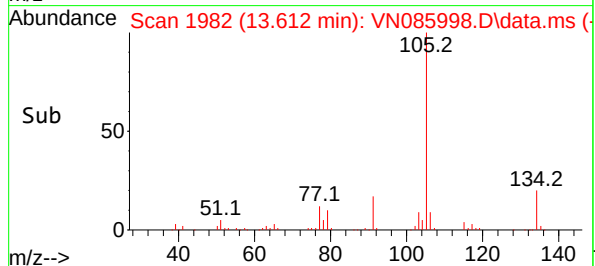
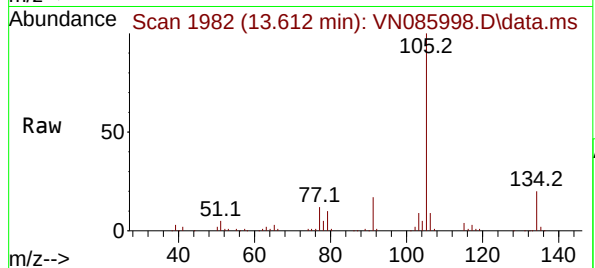
134 20.4 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#86

p-Isopropyltoluene

Concen: 19.611 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

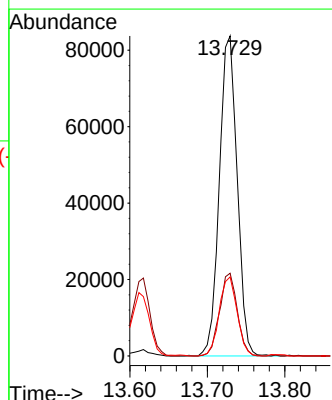
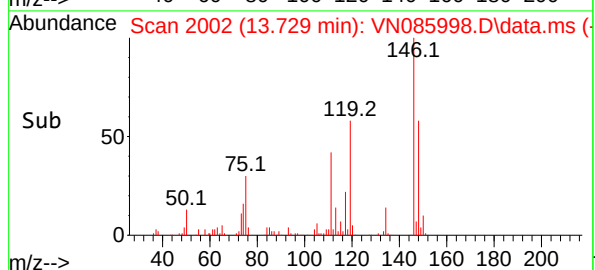
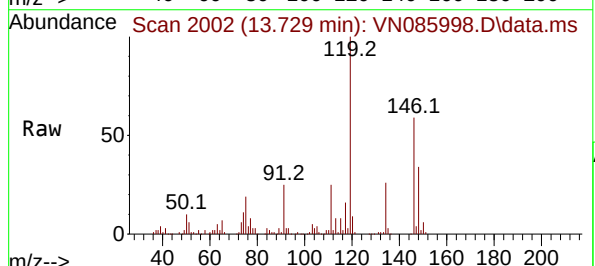
Tgt Ion:119 Resp: 133733

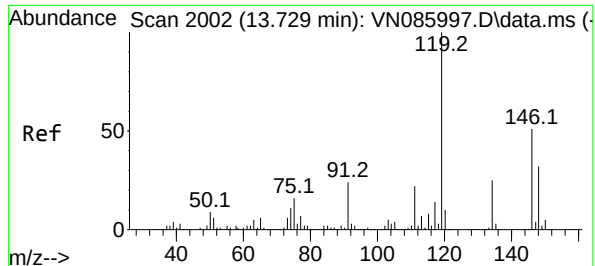
Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.8

91 24.8 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 18.809 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

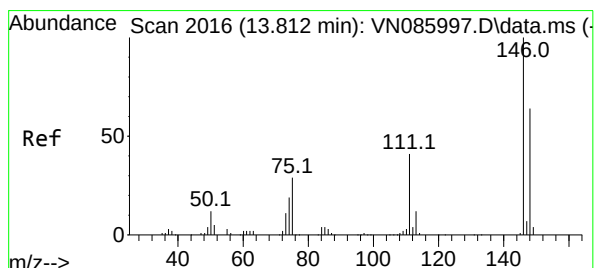
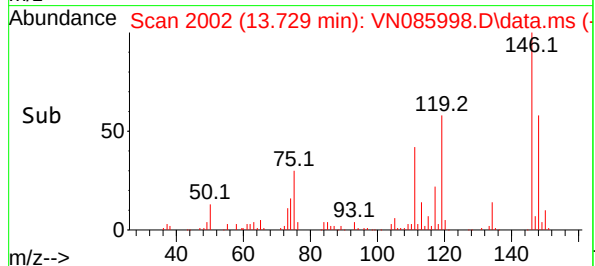
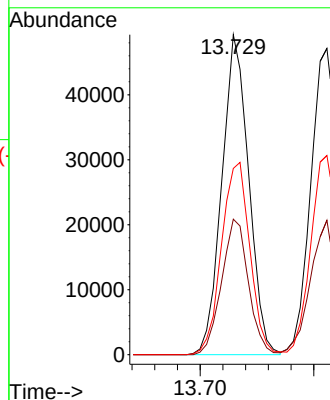
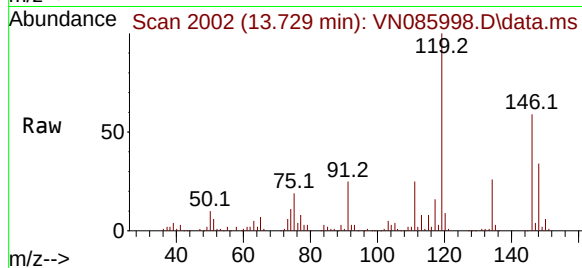
Tgt Ion:146	Resp:	8084
Ion Ratio	Lower	Upper
146	100	
111	42.4	21.2 63.6
148	63.8	31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 17.975 ug/l

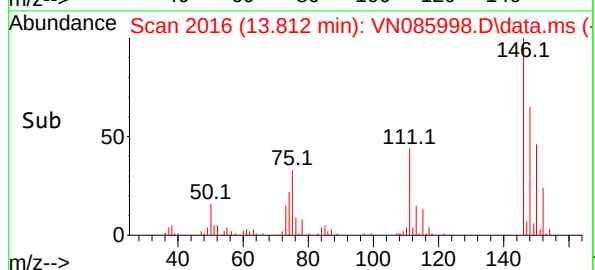
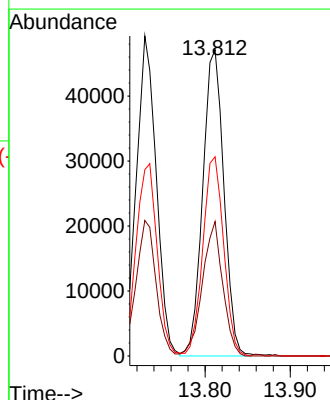
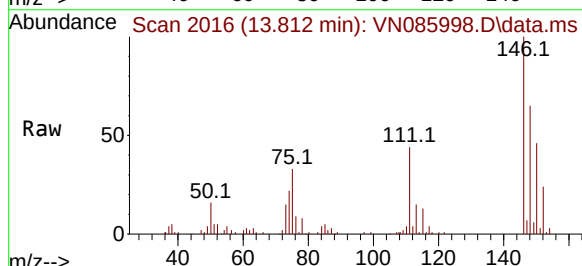
RT: 13.812 min Scan# 2016

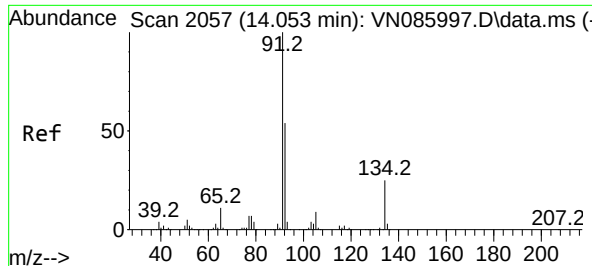
Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:146	Resp:	81175
Ion Ratio	Lower	Upper
146	100	
111	42.1	20.4 61.3
148	64.1	32.1 96.5





#89

n-Butylbenzene

Concen: 18.649 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

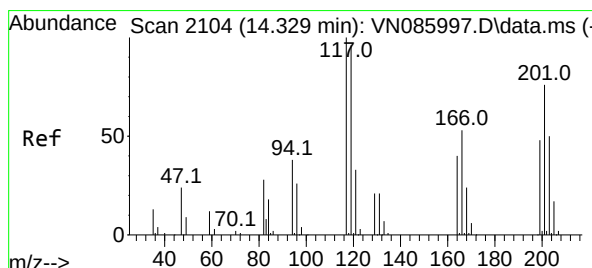
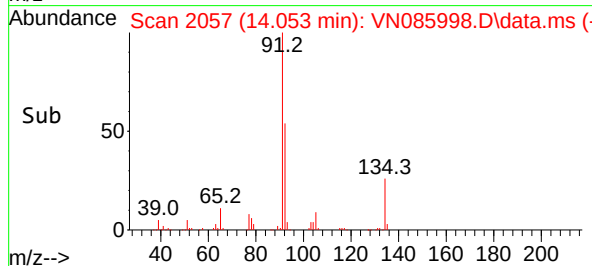
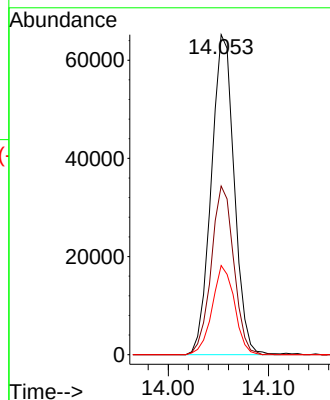
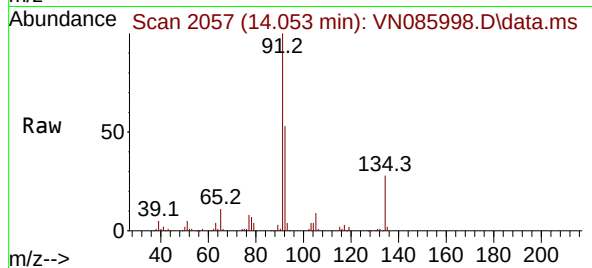
Tgt Ion:	91	Resp:	10355
Ion Ratio	Lower	Upper	
91	100		
92	51.9	26.9	80.6
134	27.1	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 17.249 ug/l

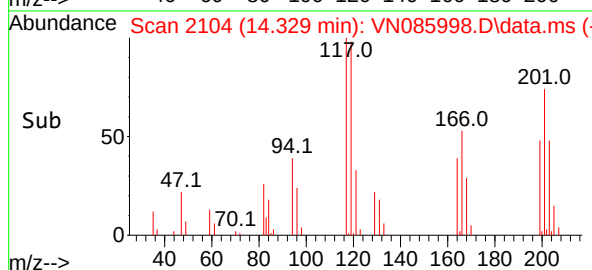
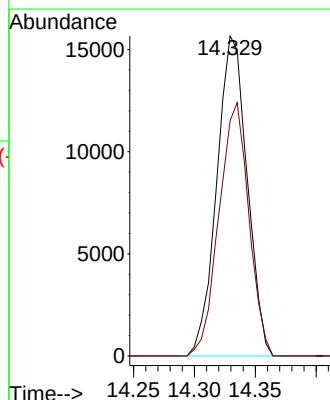
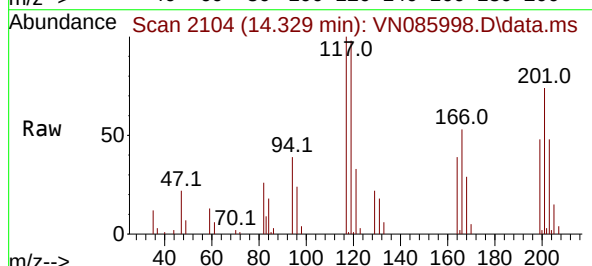
RT: 14.329 min Scan# 2104

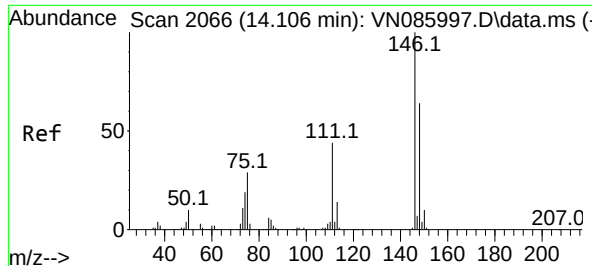
Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:	117	Resp:	27141
Ion Ratio	Lower	Upper	
117	100		
201	77.9	39.1	117.3





#91

1,2-Dichlorobenzene

Concen: 17.839 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

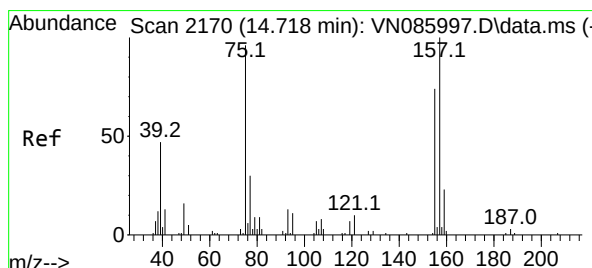
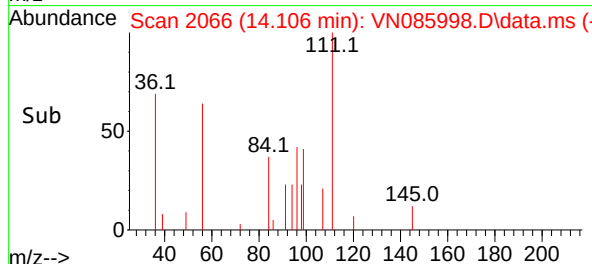
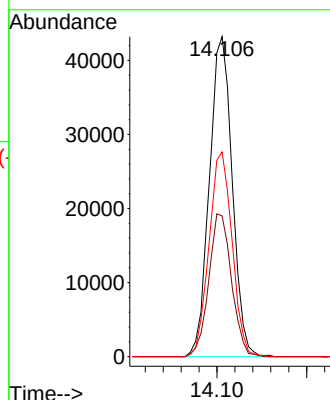
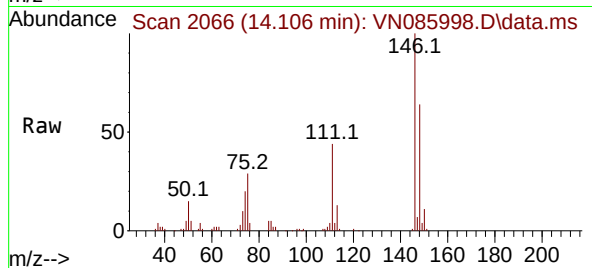
Tgt Ion:	146	Resp:	7622
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.3	66.8
148	64.6	32.1	96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.692 ug/l

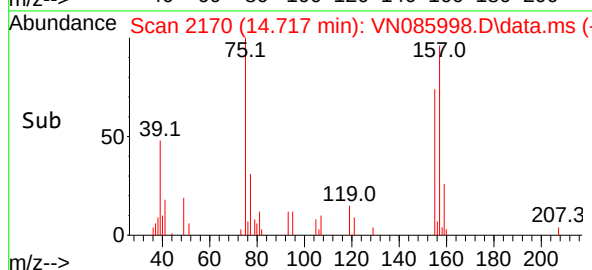
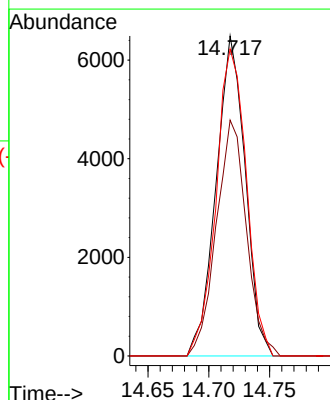
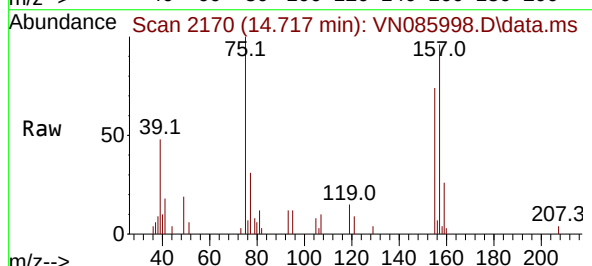
RT: 14.717 min Scan# 2170

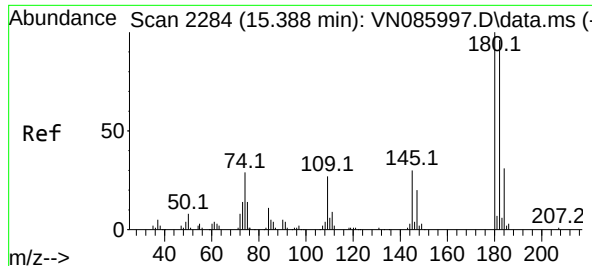
Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:	75	Resp:	10795
Ion	Ratio	Lower	Upper
75	100		
155	76.3	41.0	123.0
157	100.0	53.7	161.1





#93

1,2,4-Trichlorobenzene

Concen: 18.166 ug/l

RT: 15.388 min Scan# 2102

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:180 Resp: 39028

Ion Ratio Lower Upper

180 100

182 92.6 47.0 141.0

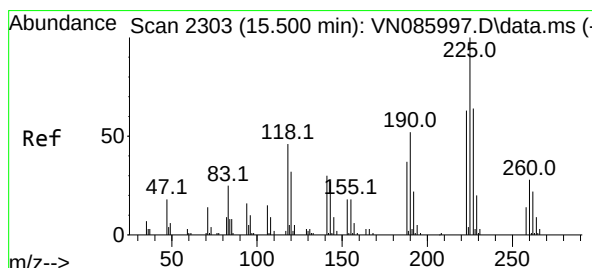
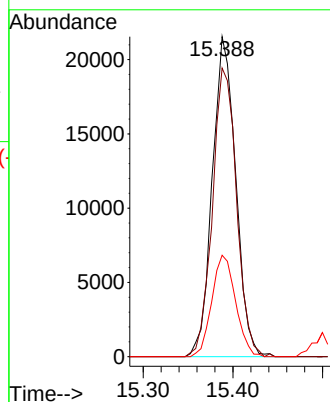
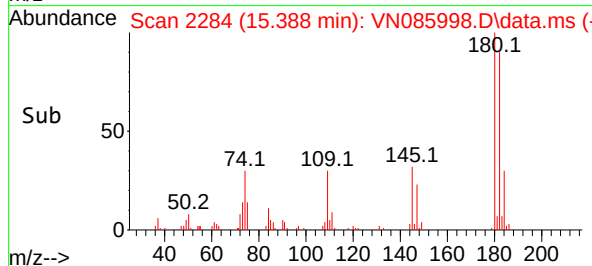
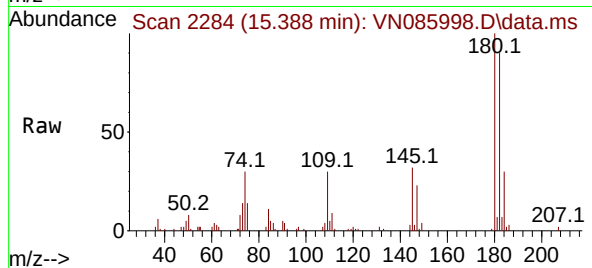
145 32.2 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 18.244 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

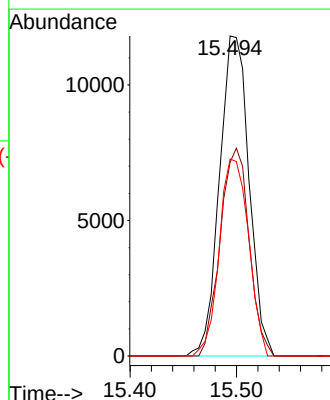
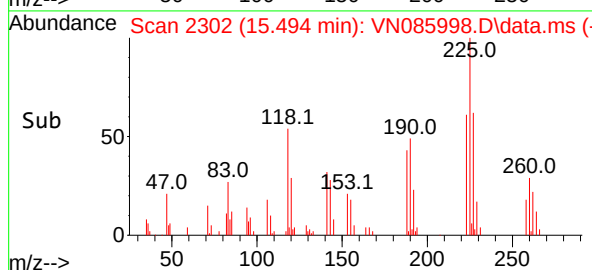
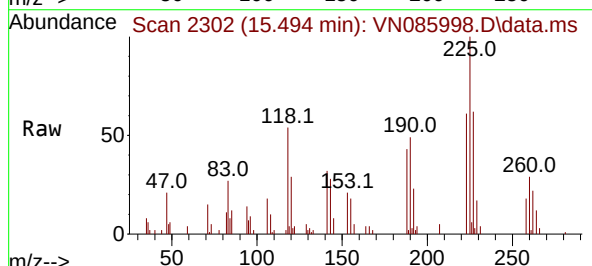
Tgt Ion:225 Resp: 22741

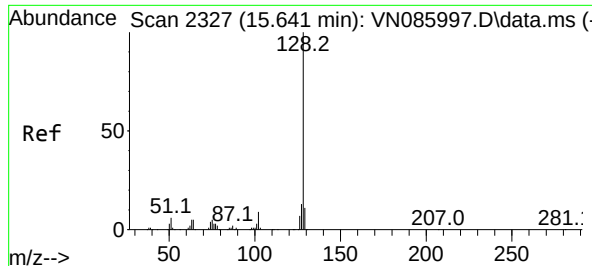
Ion Ratio Lower Upper

225 100

223 63.4 31.3 93.9

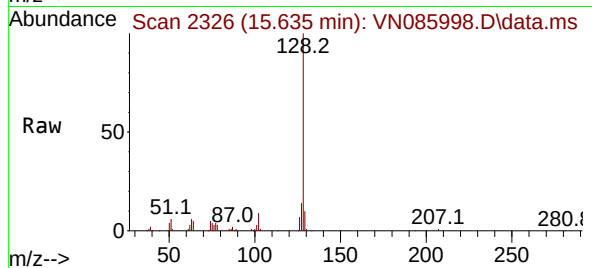
227 61.2 32.1 96.3





#95
Naphthalene
Concen: 18.564 ug/l
RT: 15.635 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

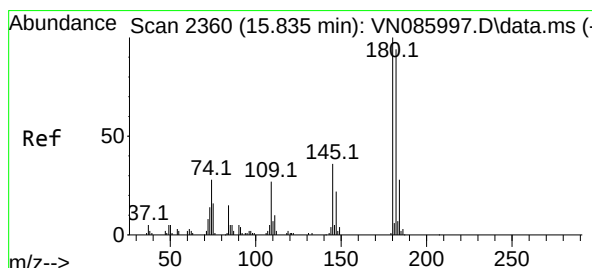
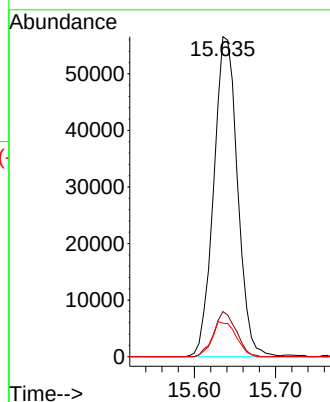
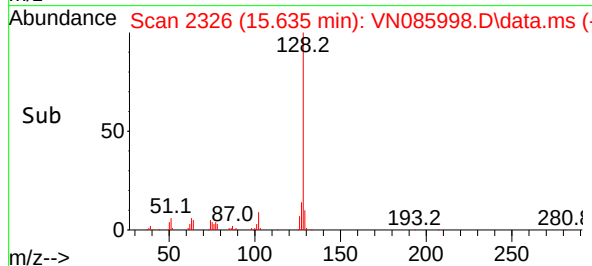
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:128 Resp: 11549
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.0 9.0 13.6

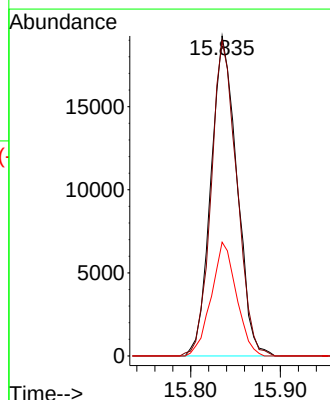
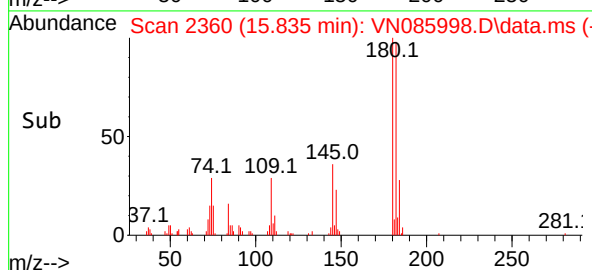
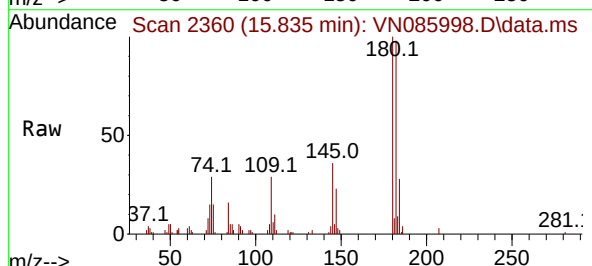
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.975 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion:180 Resp: 38684
Ion Ratio Lower Upper
180 100
182 97.2 47.5 142.5
145 34.5 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085999.D
 Acq On : 18 Mar 2025 12:57
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Mar 19 02:55:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	177085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	25519	10.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	21.040%#		
35) Dibromofluoromethane	8.159	113	20600	10.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.740%#		
50) Toluene-d8	10.565	98	73317	10.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	20.340%#		
62) 4-Bromofluorobenzene	12.847	95	25049	9.746	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	19.500%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	22978	9.794	ug/l	100
3) Chloromethane	2.359	50	19259	9.364	ug/l	99
4) Vinyl Chloride	2.512	62	20562	9.778	ug/l	97
5) Bromomethane	2.965	94	14539	10.150	ug/l	95
6) Chloroethane	3.118	64	13400	10.101	ug/l	98
7) Trichlorofluoromethane	3.494	101	36653	9.696	ug/l	96
8) Diethyl Ether	3.959	74	11412	9.861	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	19603	9.757	ug/l	98
10) Methyl Iodide	4.589	142	25149	9.606	ug/l #	94
11) Tert butyl alcohol	5.530	59	17174	50.023	ug/l #	88
12) 1,1-Dichloroethene	4.341	96	19300	10.638	ug/l	99
13) Acrolein	4.177	56	17536	47.889	ug/l	99
14) Allyl chloride	5.030	41	21799	9.631	ug/l	99
15) Acrylonitrile	5.718	53	45069	49.706	ug/l	99
16) Acetone	4.424	43	34466	46.524	ug/l	93
17) Carbon Disulfide	4.712	76	57012	9.555	ug/l	99
18) Methyl Acetate	5.018	43	17854	9.741	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	56795	9.553	ug/l	98
20) Methylene Chloride	5.271	84	20262	9.349	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	19340	9.754	ug/l	95
22) Diisopropyl ether	6.677	45	49389	10.240	ug/l	95
23) Vinyl Acetate	6.606	43	180182	49.277	ug/l	97
24) 1,1-Dichloroethane	6.571	63	34294	9.669	ug/l	97
25) 2-Butanone	7.488	43	52665	49.267	ug/l	93
26) 2,2-Dichloropropane	7.482	77	32775	9.598	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	21843	9.695	ug/l	97
28) Bromochloromethane	7.812	49	14293	9.512	ug/l	98
29) Tetrahydrofuran	7.841	42	33470	50.716	ug/l	98
30) Chloroform	7.965	83	38998	9.948	ug/l	95
31) Cyclohexane	8.259	56	30234	10.006	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	36307	9.784	ug/l	98
36) 1,1-Dichloropropene	8.371	75	25215	9.644	ug/l	99
37) Ethyl Acetate	7.559	43	22354	10.134	ug/l	99
38) Carbon Tetrachloride	8.359	117	33005	9.601	ug/l	89
39) Methylcyclohexane	9.600	83	22685	8.745	ug/l	89
40) Benzene	8.606	78	78849	9.606	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085999.D
 Acq On : 18 Mar 2025 12:57
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:55:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	10855	10.306	ug/l	97
42) 1,2-Dichloroethane	8.671	62	27959	9.776	ug/l	98
43) Isopropyl Acetate	8.688	43	50383m	10.518	ug/l	
44) Trichloroethene	9.353	130	20094	9.446	ug/l	92
45) 1,2-Dichloropropane	9.623	63	18278	9.791	ug/l	97
46) Dibromomethane	9.706	93	14254	9.709	ug/l	98
47) Bromodichloromethane	9.888	83	29326	9.558	ug/l #	99
48) Methyl methacrylate	9.676	41	15095	9.570	ug/l	99
49) 1,4-Dioxane	9.694	88	8137	218.227	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	108196	51.326	ug/l	97
52) Toluene	10.629	92	49947	9.915	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	28817	9.670	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	31572	10.042	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	18779	9.767	ug/l	94
56) Ethyl methacrylate	10.870	69	25340	10.180	ug/l	97
57) 1,3-Dichloropropane	11.159	76	32516	9.957	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	56781	60.781	ug/l	99
59) 2-Hexanone	11.194	43	76690	49.939	ug/l	97
60) Dibromochloromethane	11.359	129	24029	9.685	ug/l	98
61) 1,2-Dibromoethane	11.470	107	19500	9.879	ug/l	97
64) Tetrachloroethene	11.100	164	19436	9.781	ug/l	95
65) Chlorobenzene	11.888	112	55590	9.752	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	20639	9.740	ug/l	97
67) Ethyl Benzene	11.959	91	88133	9.666	ug/l	97
68) m/p-Xylenes	12.070	106	68738	19.180	ug/l	99
69) o-Xylene	12.400	106	32135	9.770	ug/l	99
70) Styrene	12.412	104	51989	9.254	ug/l	98
71) Bromoform	12.576	173	17048	9.624	ug/l #	98
73) Isopropylbenzene	12.694	105	78299	10.163	ug/l	98
74) N-amyl acetate	12.488	43	26009	10.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	26865	10.307	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	26024m	10.117	ug/l	
77) Bromobenzene	12.976	156	21805	10.150	ug/l	98
78) n-propylbenzene	13.035	91	87149	9.989	ug/l	100
79) 2-Chlorotoluene	13.123	91	58382	10.075	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	65511	10.071	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	9044	9.466	ug/l	95
82) 4-Chlorotoluene	13.217	91	60050	10.077	ug/l	100
83) tert-Butylbenzene	13.435	119	56793	10.208	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	66424	10.124	ug/l	99
85) sec-Butylbenzene	13.611	105	73271	10.096	ug/l	100
86) p-Isopropyltoluene	13.723	119	60661	9.874	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	39474	10.194	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	39616	9.737	ug/l	97
89) n-Butylbenzene	14.053	91	46910	9.376	ug/l	97
90) Hexachloroethane	14.329	117	13417	9.464	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	37747	9.805	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	5994	11.520	ug/l	88
93) 1,2,4-Trichlorobenzene	15.388	180	18382	9.497	ug/l	99
94) Hexachlorobutadiene	15.500	225	11293	10.056	ug/l	98
95) Naphthalene	15.635	128	54670	9.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	17914	9.753	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:55:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

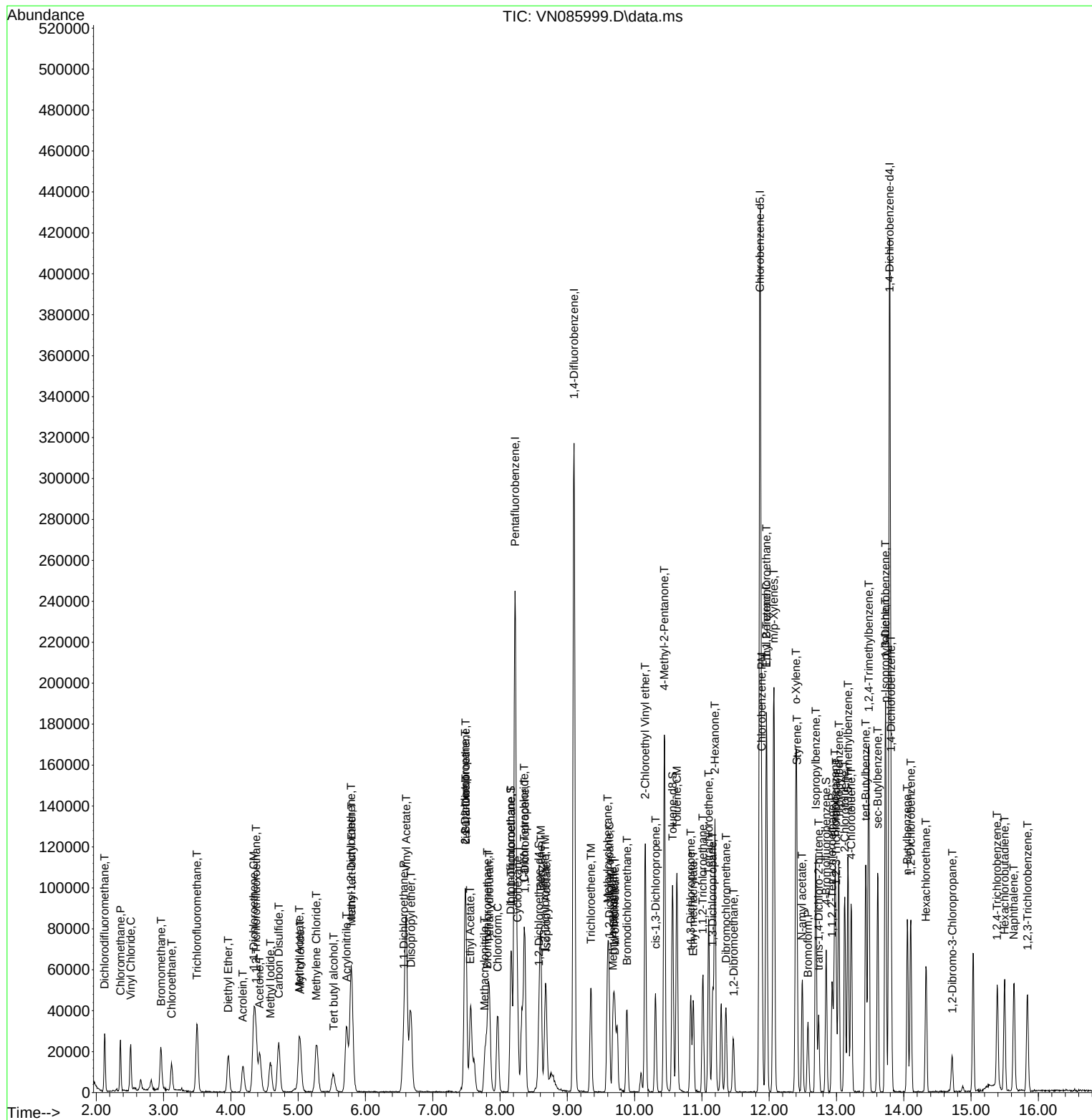
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

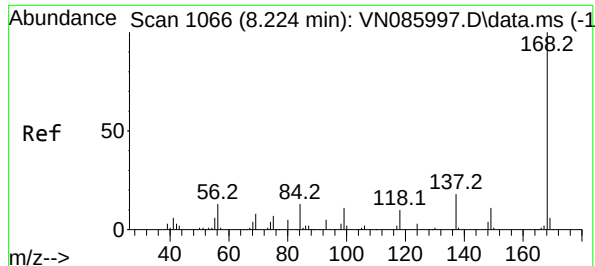
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

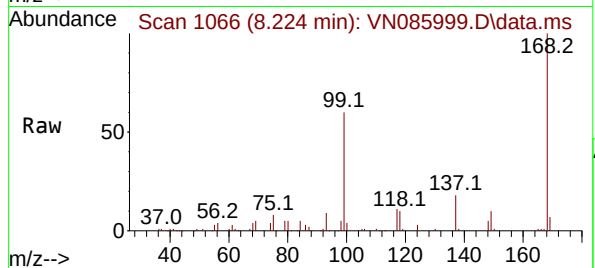
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

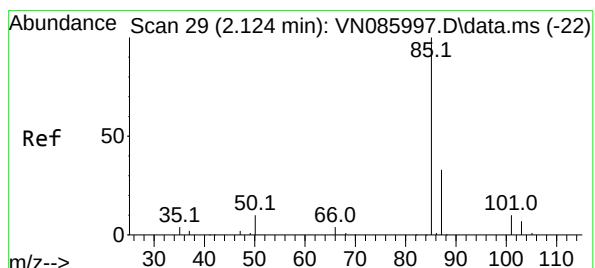
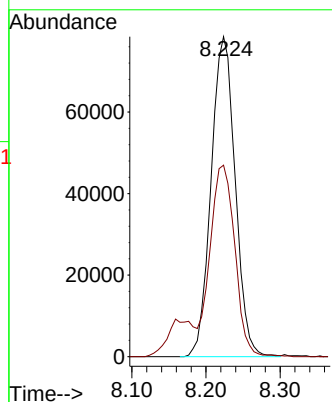
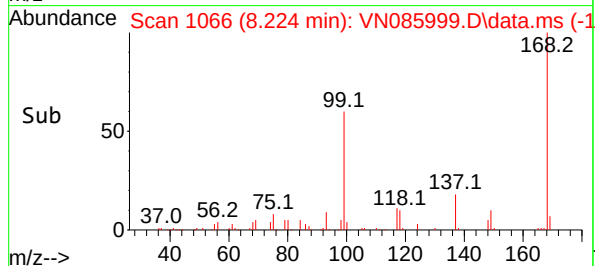
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion:168 Resp: 177085
Ion Ratio Lower Upper
168 100
99 59.5 49.4 74.2

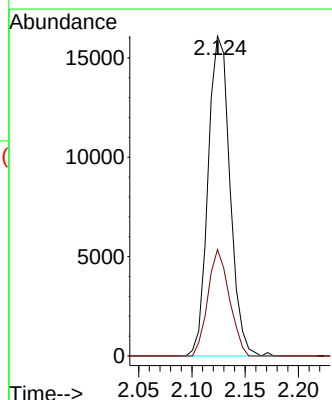
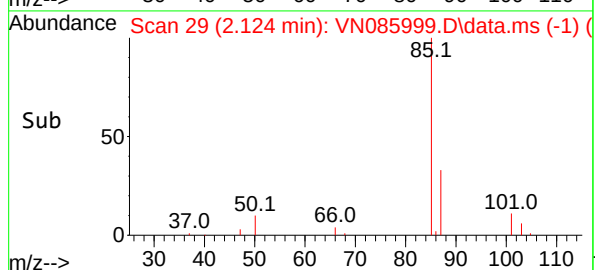
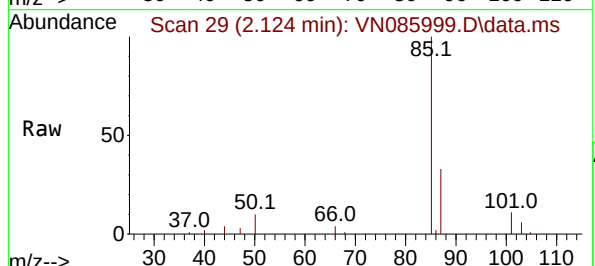
Manual Integrations
APPROVED

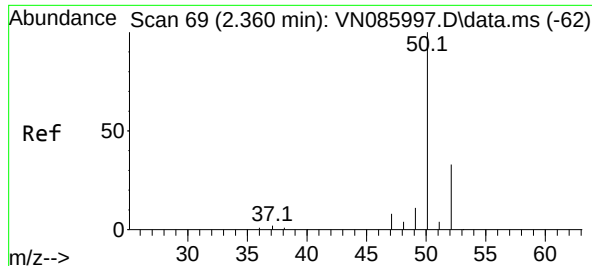
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 9.794 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 85 Resp: 22978
Ion Ratio Lower Upper
85 100
87 33.2 16.5 49.5





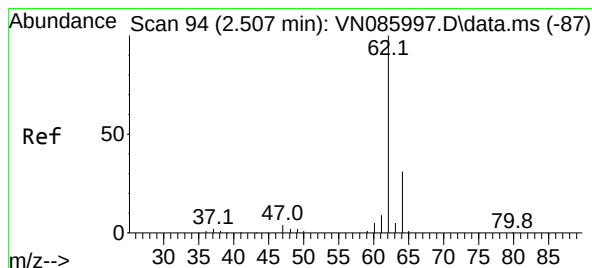
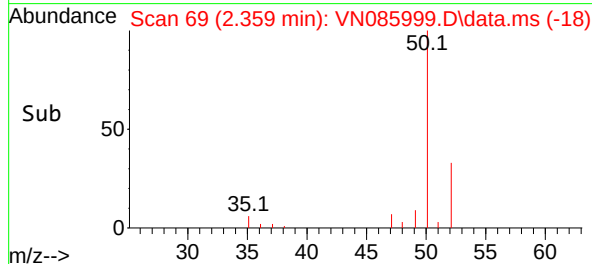
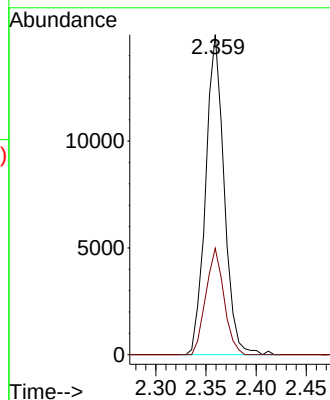
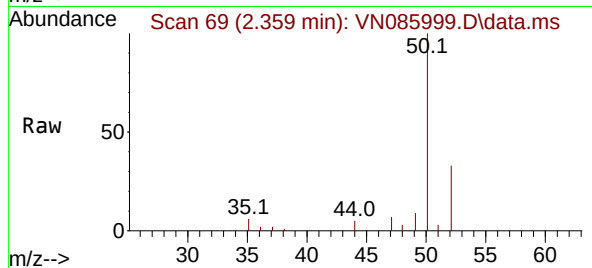
#3
Chloromethane
Concen: 9.364 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 19259
Ion Ratio Lower Upper
50 100
52 33.2 26.0 39.0

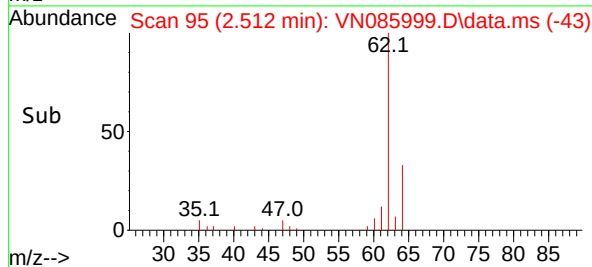
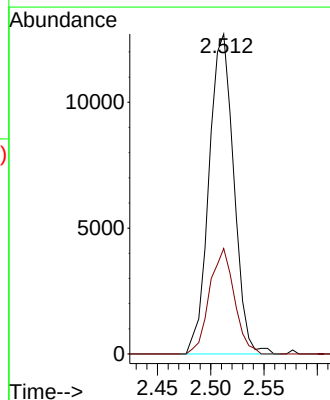
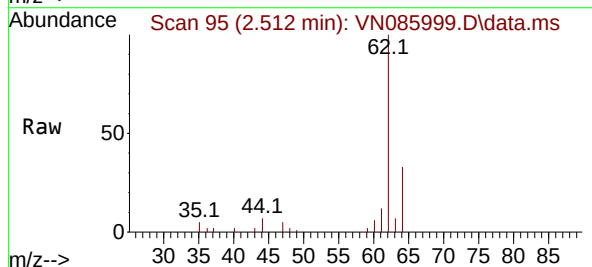
Manual Integrations
APPROVED

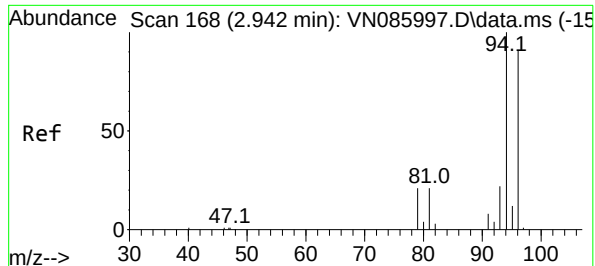
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 9.778 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 62 Resp: 20562
Ion Ratio Lower Upper
62 100
64 32.9 25.2 37.8





#5

Bromomethane

Concen: 10.150 ug/l

RT: 2.965 min Scan# 11

Delta R.T. 0.023 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 14539

Ion Ratio Lower Upper

94 100

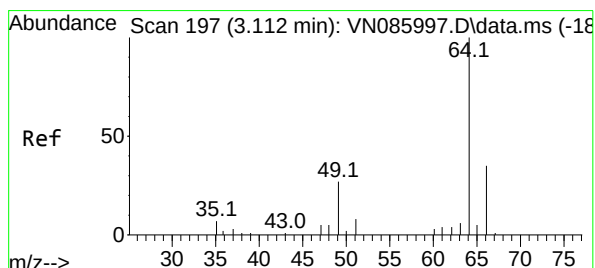
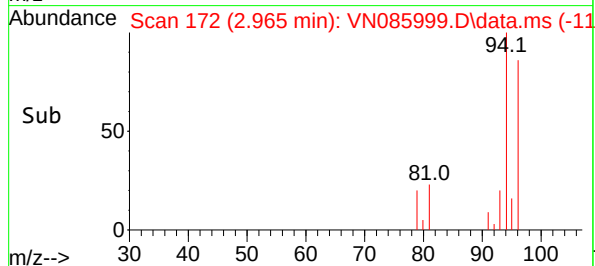
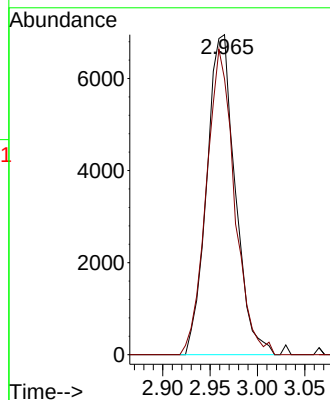
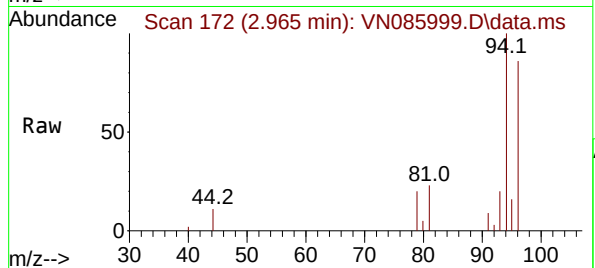
96 86.2 72.8 109.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#6

Chloroethane

Concen: 10.101 ug/l

RT: 3.118 min Scan# 198

Delta R.T. 0.006 min

Lab File: VN085999.D

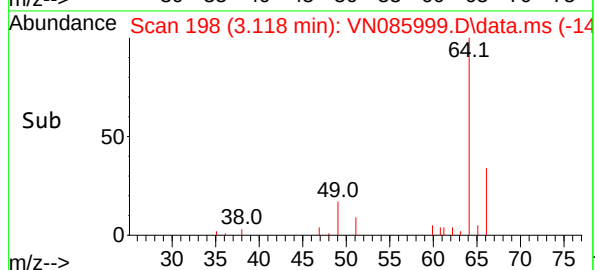
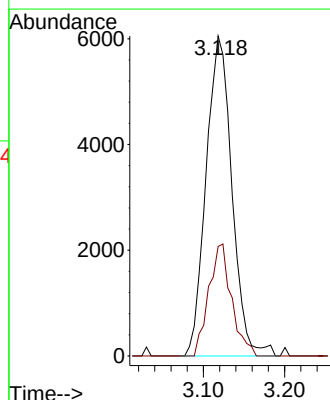
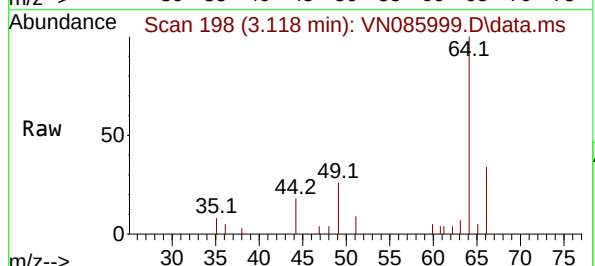
Acq: 18 Mar 2025 12:57

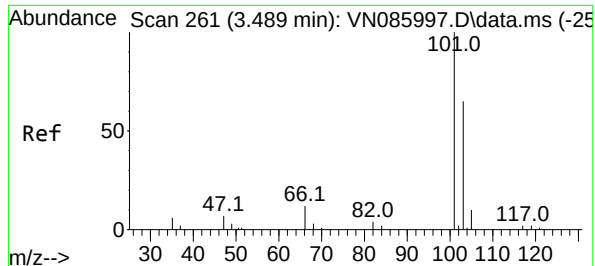
Tgt Ion: 64 Resp: 13400

Ion Ratio Lower Upper

64 100

66 34.2 28.3 42.5





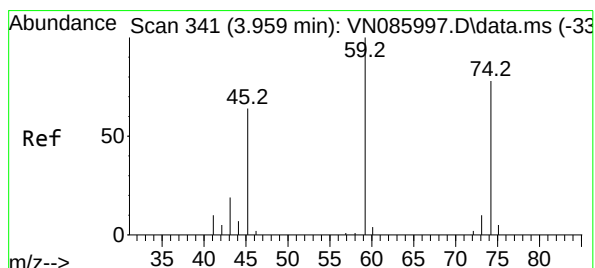
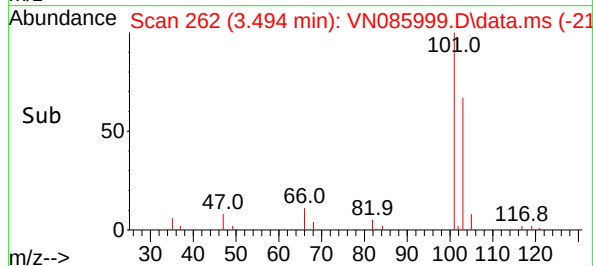
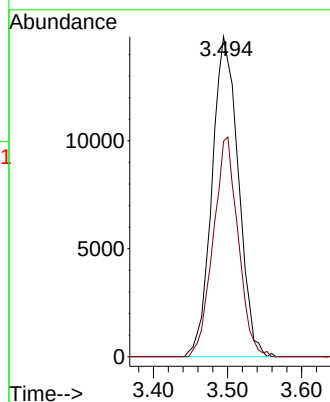
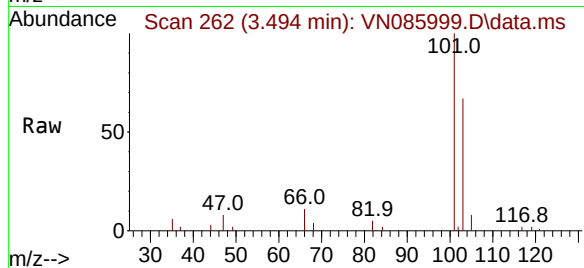
#7
Trichlorofluoromethane
Concen: 9.696 ug/l
RT: 3.494 min Scan# 261
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:101 Resp: 3665
Ion Ratio Lower Upper
101 100
103 67.4 51.7 77.5

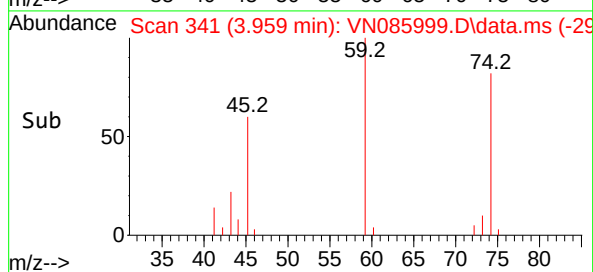
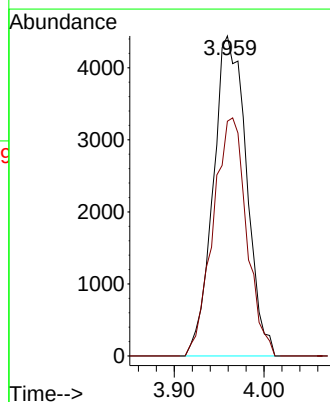
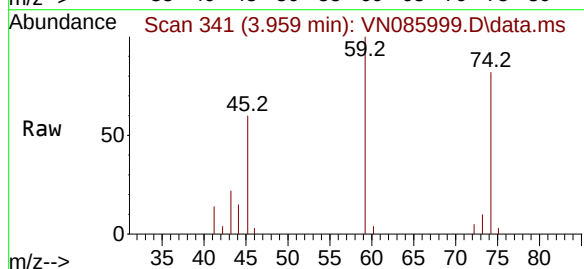
Manual Integrations
APPROVED

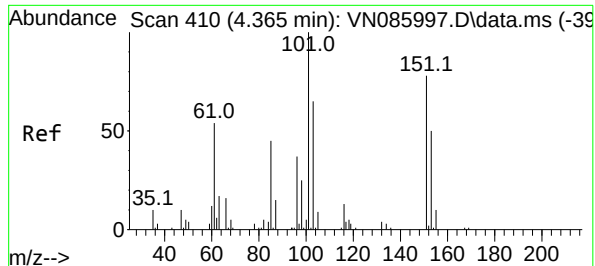
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 9.861 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 74 Resp: 11412
Ion Ratio Lower Upper
74 100
45 75.3 38.0 113.9





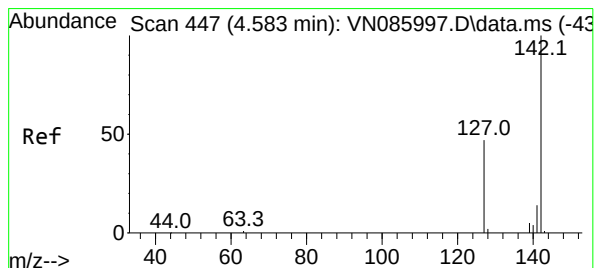
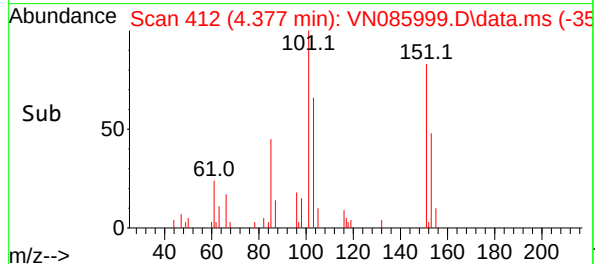
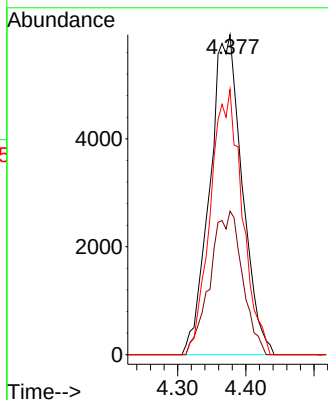
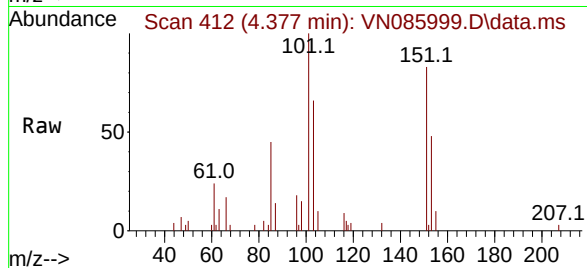
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.757 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.011 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:101 Resp: 1960
Ion Ratio Lower Upper
101 100
85 44.8 36.5 54.7
151 81.3 63.4 95.0

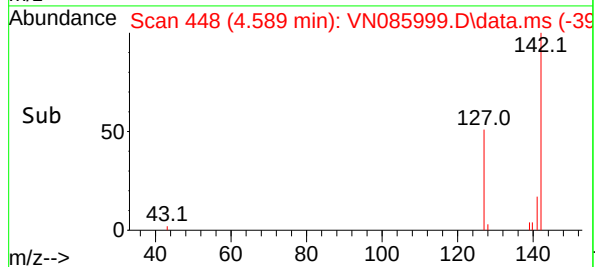
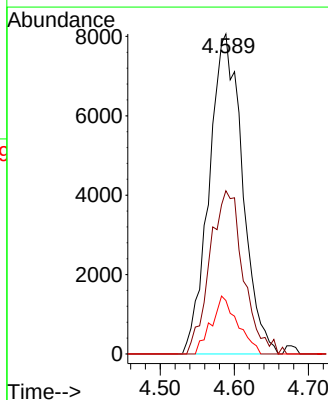
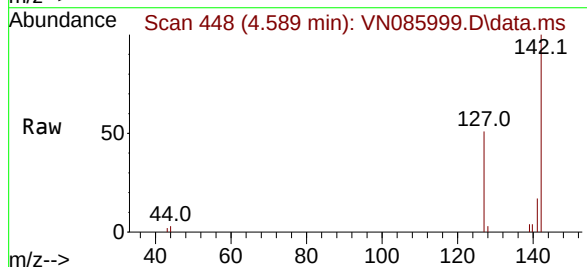
Manual Integrations
APPROVED

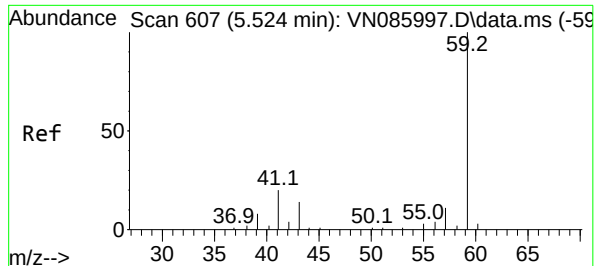
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#10
Methyl Iodide
Concen: 9.606 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion:142 Resp: 25149
Ion Ratio Lower Upper
142 100
127 51.0 37.5 56.3
141 16.7 11.0 16.6#





#11

Tert butyl alcohol

Concen: 50.023 ug/l

RT: 5.530 min Scan# 607

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 17174

Ion Ratio Lower Upper

59 100

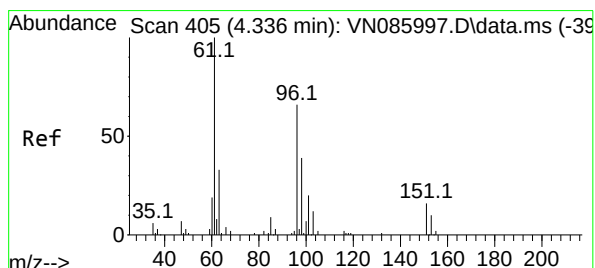
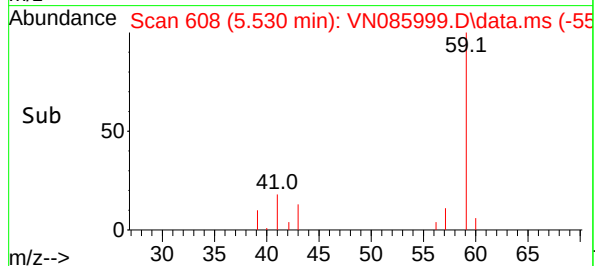
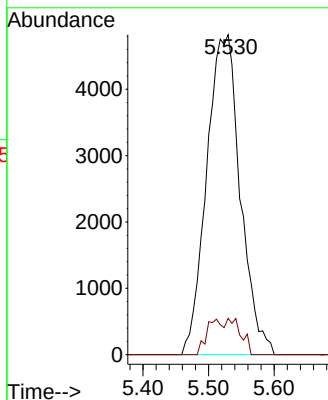
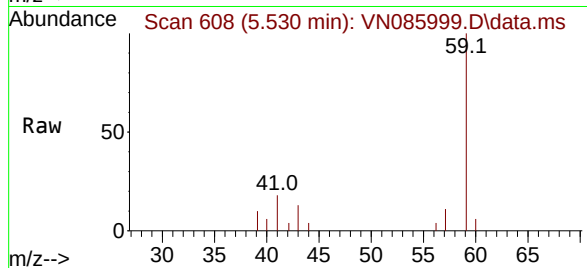
57 5.6 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#12

1,1-Dichloroethene

Concen: 10.638 ug/l

RT: 4.341 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

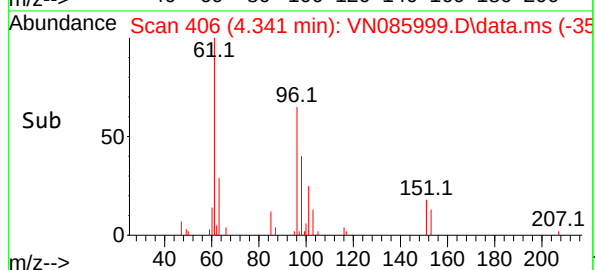
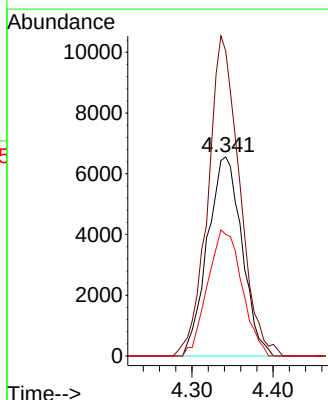
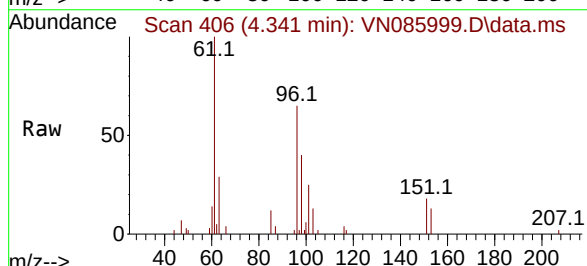
Tgt Ion: 96 Resp: 19300

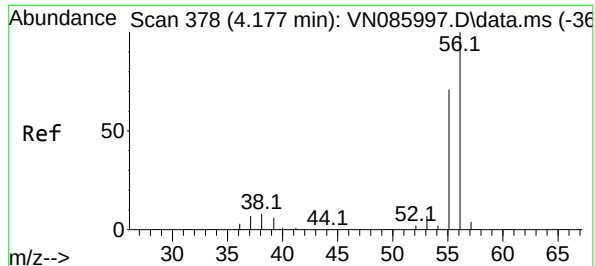
Ion Ratio Lower Upper

96 100

61 150.7 120.5 180.7

98 61.1 47.4 71.0





#13

Acrolein

Concen: 47.889 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 17530

Ion Ratio Lower Upper

56 100

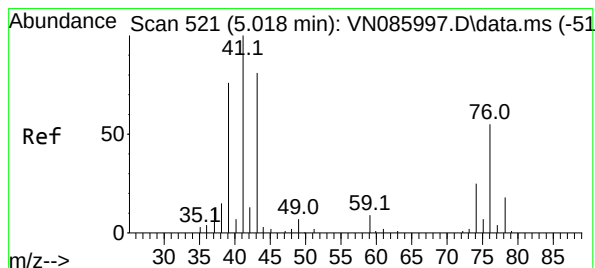
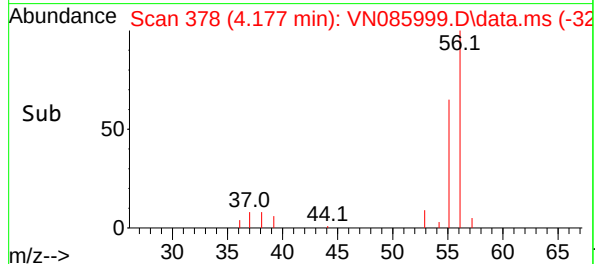
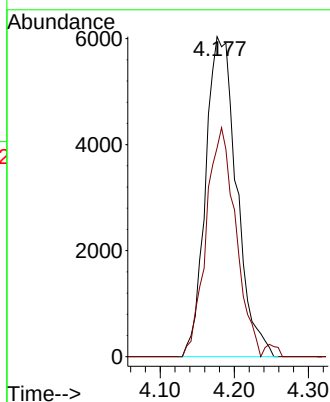
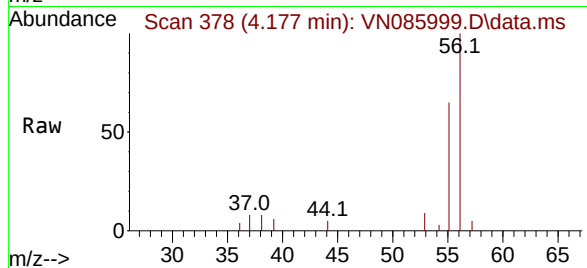
55 68.2 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 9.631 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.011 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

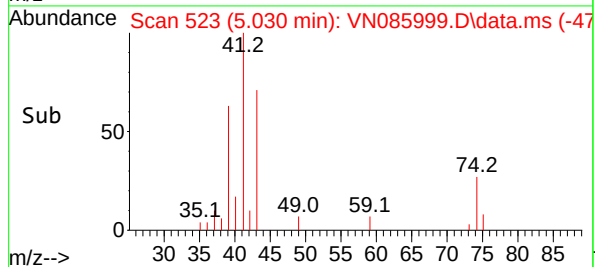
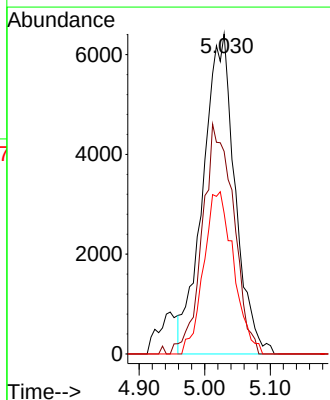
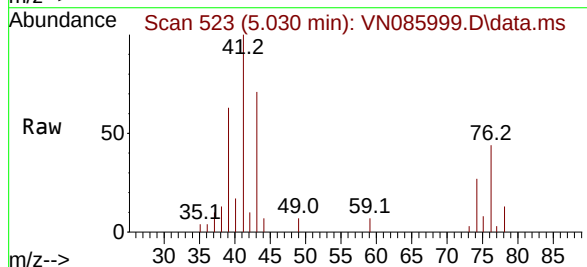
Tgt Ion: 41 Resp: 21799

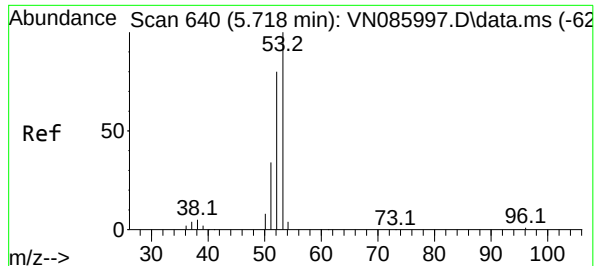
Ion Ratio Lower Upper

41 100

39 69.9 55.5 83.3

76 47.4 39.1 58.7





#15

Acrylonitrile

Concen: 49.706 ug/l

RT: 5.718 min Scan# 640

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

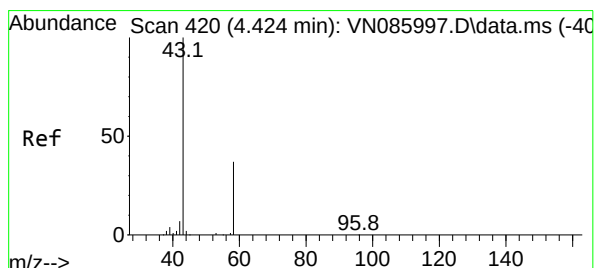
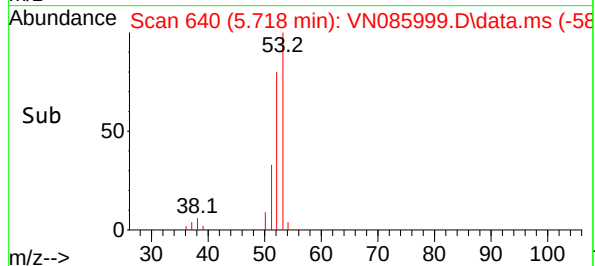
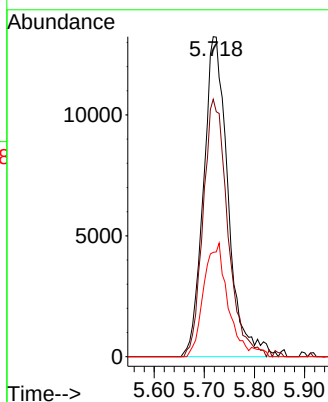
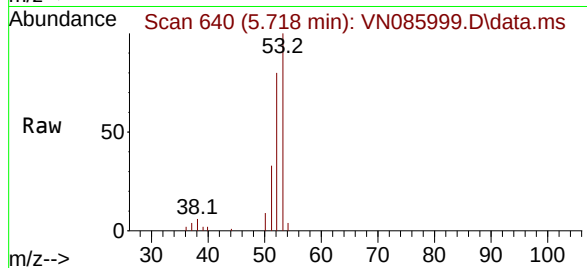
Tgt Ion:	53	Resp:	45069
Ion	Ratio	Lower	Upper
53	100		
52	80.4	63.9	95.9
51	34.3	27.1	40.7

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#16

Acetone

Concen: 46.524 ug/l

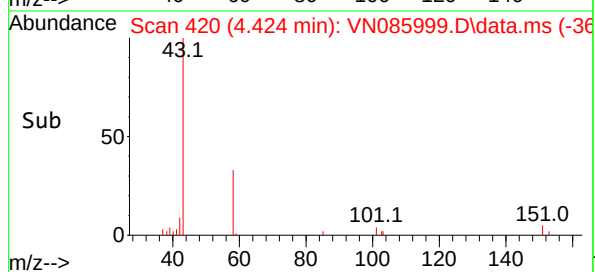
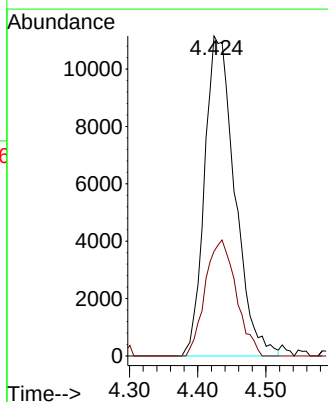
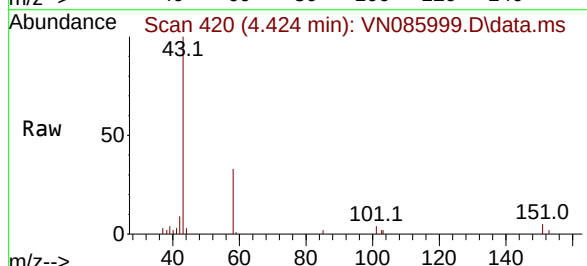
RT: 4.424 min Scan# 420

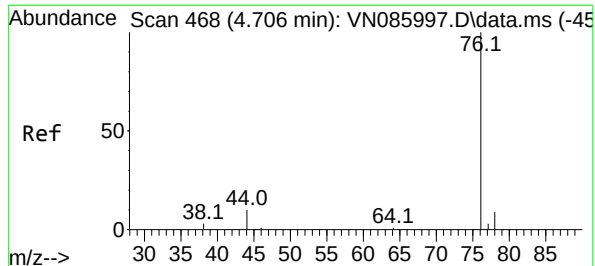
Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:	43	Resp:	34466
Ion	Ratio	Lower	Upper
43	100		
58	32.7	29.4	44.2





#17

Carbon Disulfide

Concen: 9.555 ug/l

RT: 4.712 min Scan# 4

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 5701

Ion Ratio Lower Upper

76 100

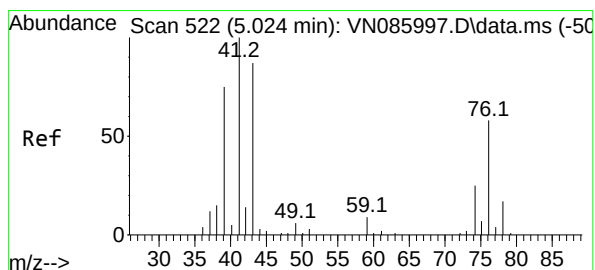
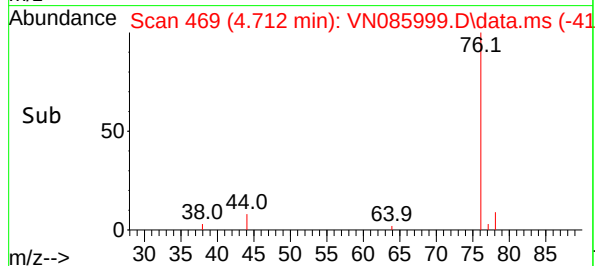
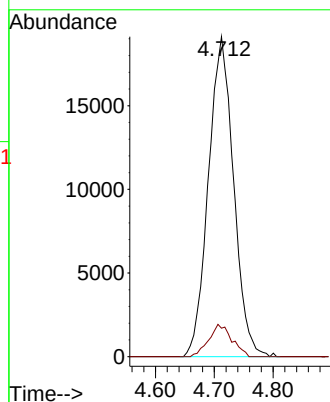
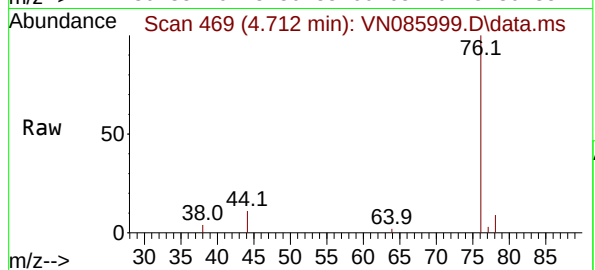
78 8.9 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#18

Methyl Acetate

Concen: 9.741 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.006 min

Lab File: VN085999.D

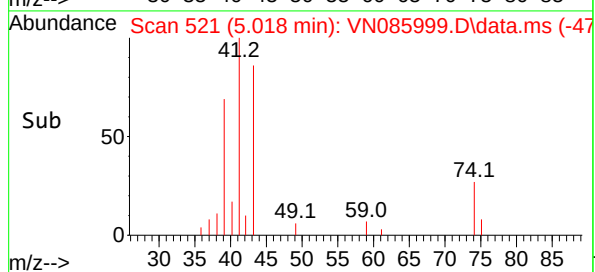
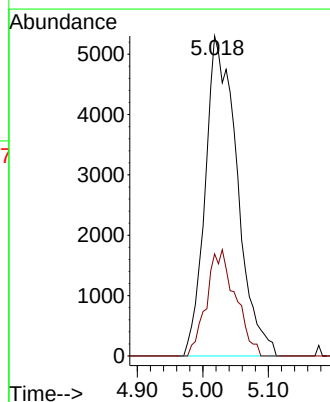
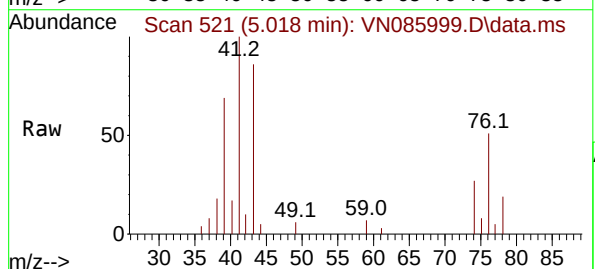
Acq: 18 Mar 2025 12:57

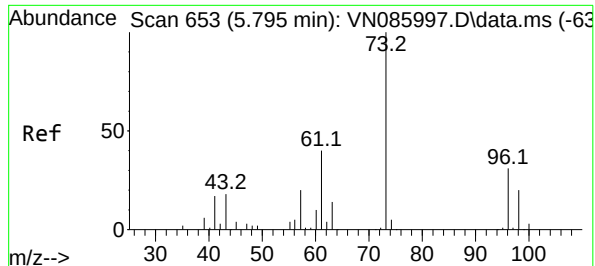
Tgt Ion: 43 Resp: 17854

Ion Ratio Lower Upper

43 100

74 30.3 23.9 35.9





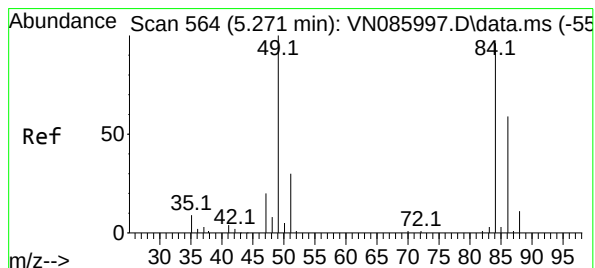
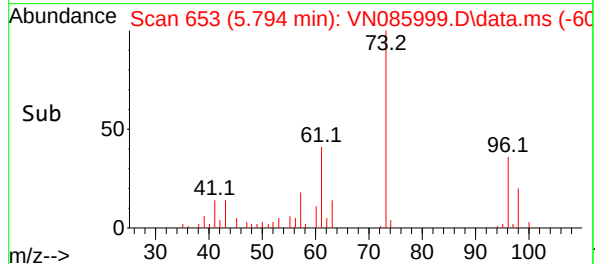
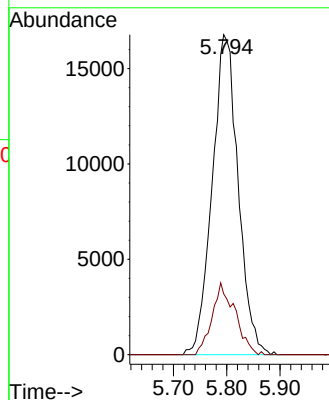
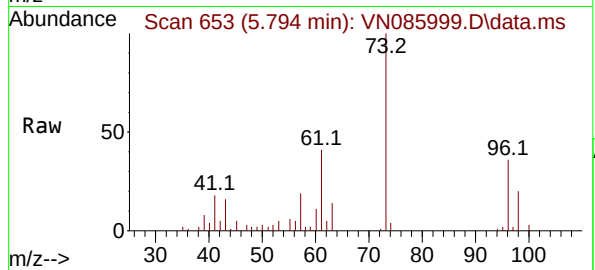
#19
Methyl tert-butyl Ether
Concen: 9.553 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 73 Resp: 5679
Ion Ratio Lower Upper
73 100
57 19.0 16.1 24.1

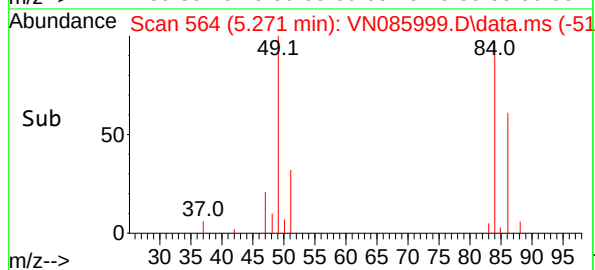
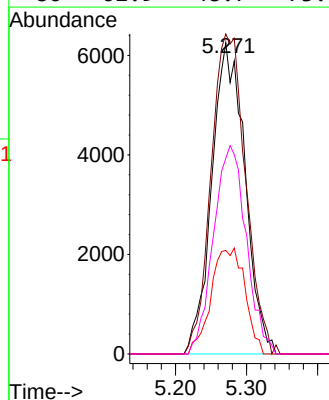
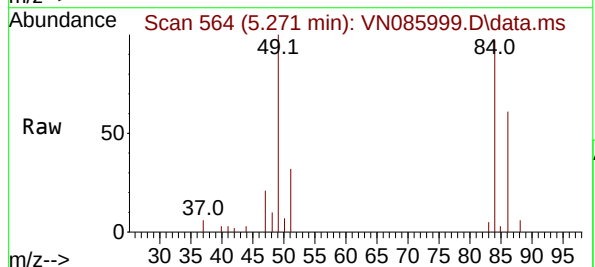
Manual Integrations
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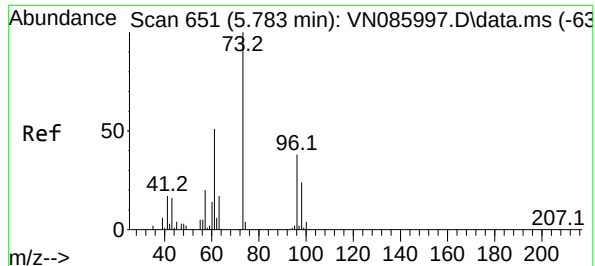
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#20
Methylene Chloride
Concen: 9.349 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

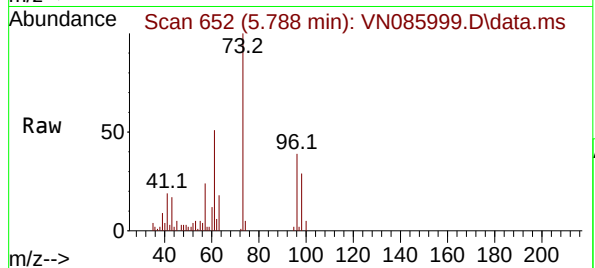
Tgt Ion: 84 Resp: 20262
Ion Ratio Lower Upper
84 100
49 102.8 83.3 124.9
51 33.3 24.8 37.2
86 62.9 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 9.754 ug/l
RT: 5.788 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

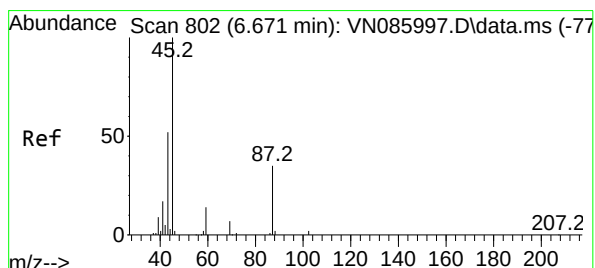
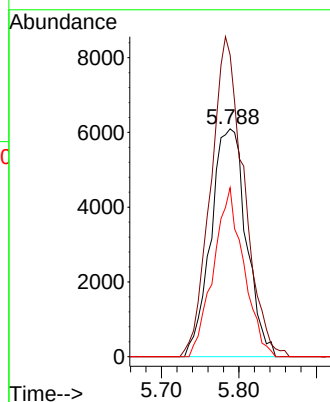
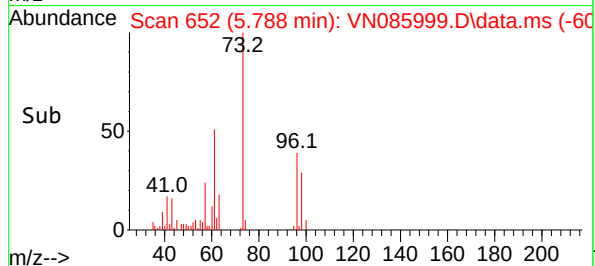
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 96 Resp: 19340
Ion Ratio Lower Upper
96 100
61 132.5 106.6 160.0
98 74.1 50.0 75.0

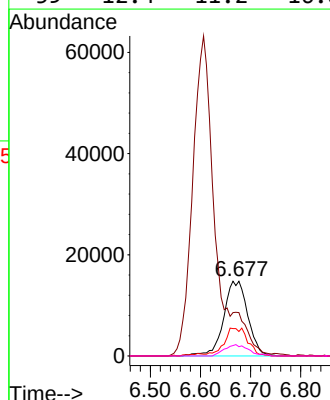
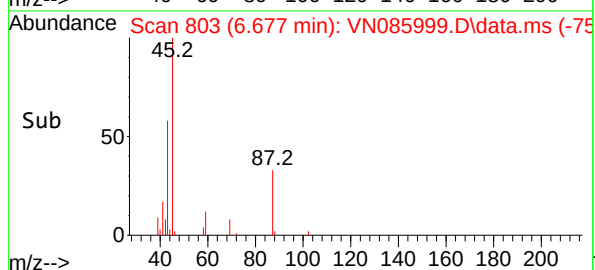
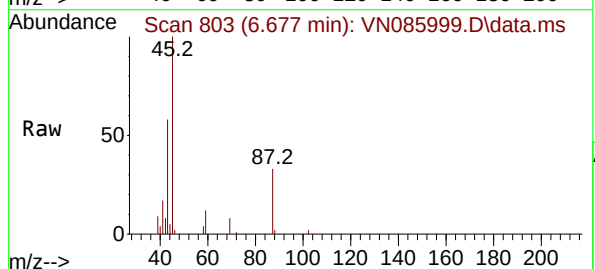
Manual Integrations
APPROVED

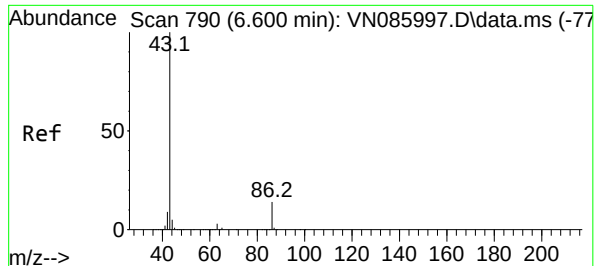
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 10.240 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

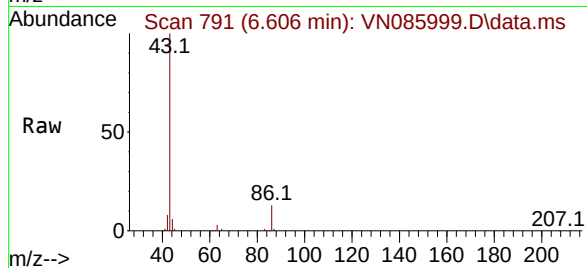
Tgt Ion: 45 Resp: 49389
Ion Ratio Lower Upper
45 100
43 55.4 41.2 61.8
87 32.8 28.5 42.7
59 12.4 11.2 16.8





#23
Vinyl Acetate
Concen: 49.277 ug/l
RT: 6.606 min Scan# 790
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

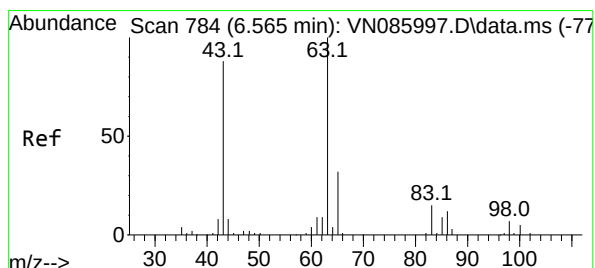
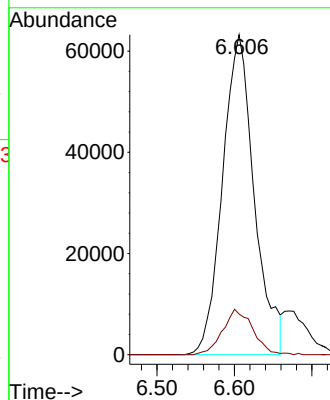
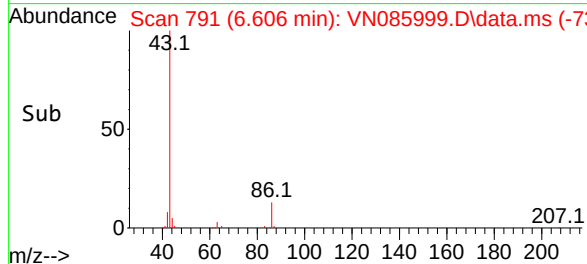
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 18018
Ion Ratio Lower Upper
43 100
86 12.7 11.2 16.8

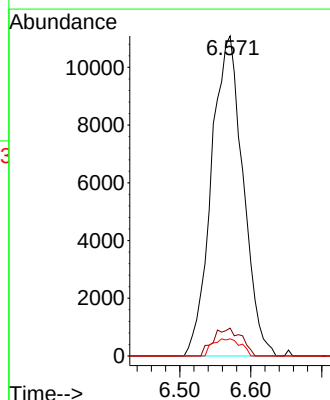
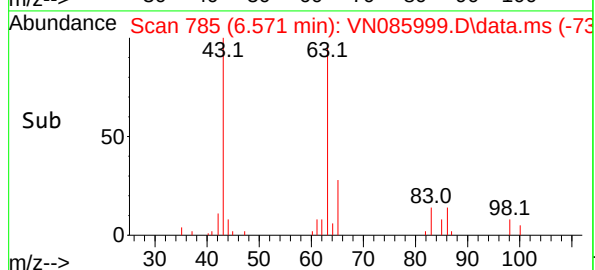
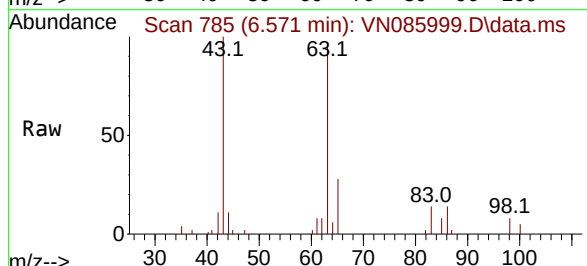
Manual Integrations
APPROVED

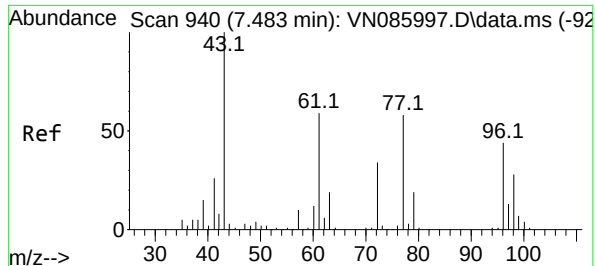
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 9.669 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 63 Resp: 34294
Ion Ratio Lower Upper
63 100
98 8.7 3.6 10.9
100 5.4 2.5 7.5





#25

2-Butanone

Concen: 49.267 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 5266

Ion Ratio Lower Upper

43 100

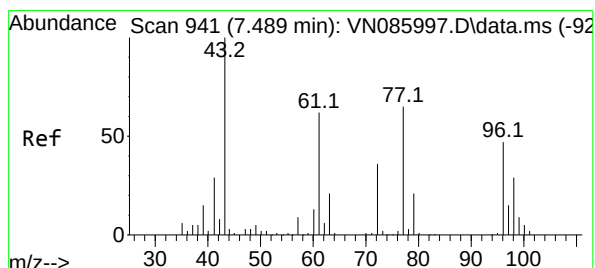
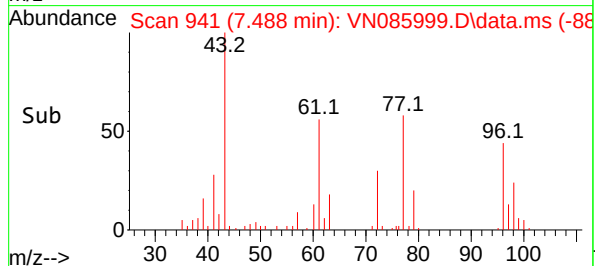
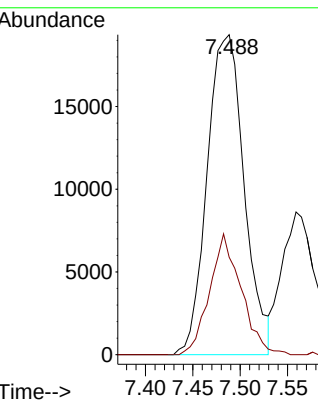
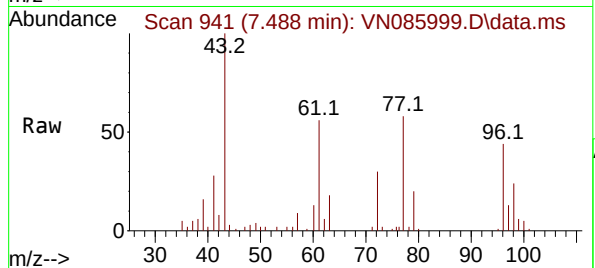
72 30.4 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 9.598 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN085999.D

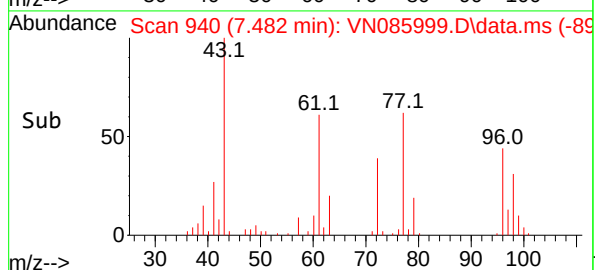
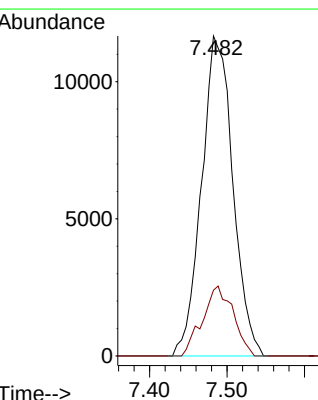
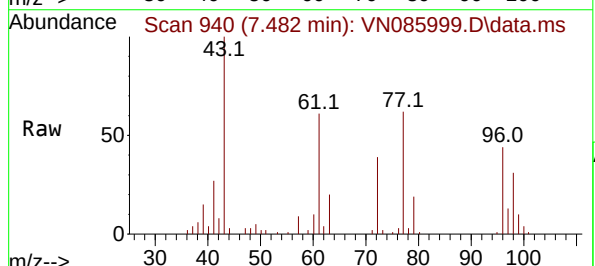
Acq: 18 Mar 2025 12:57

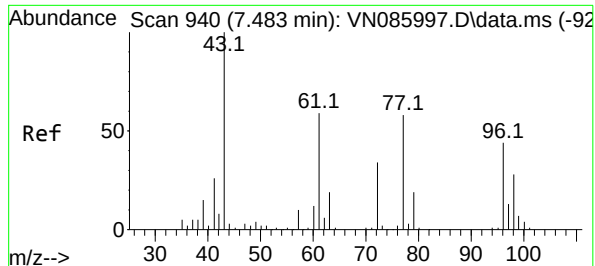
Tgt Ion: 77 Resp: 32775

Ion Ratio Lower Upper

77 100

97 21.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 9.695 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 2184

Ion Ratio Lower Upper

96 100

61 139.2 0.0 272.8

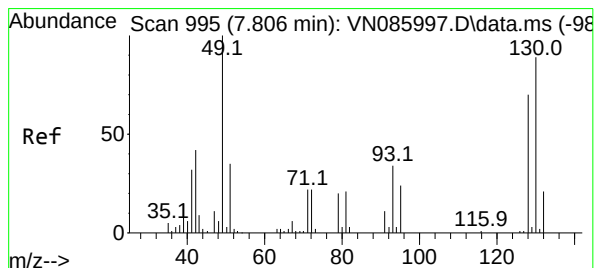
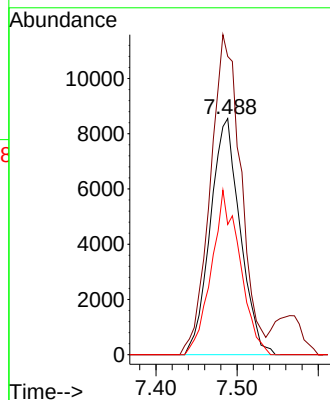
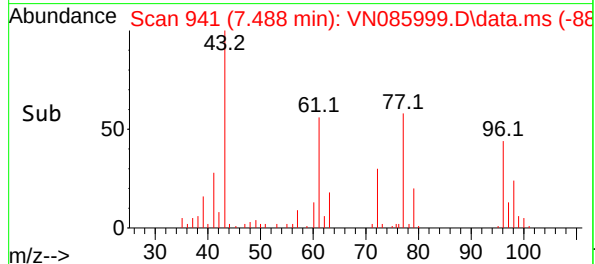
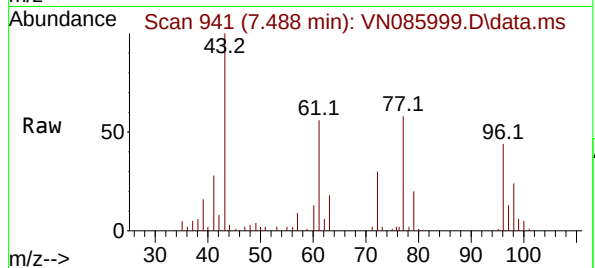
98 66.7 0.0 124.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 9.512 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

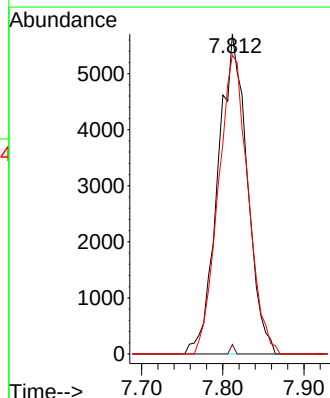
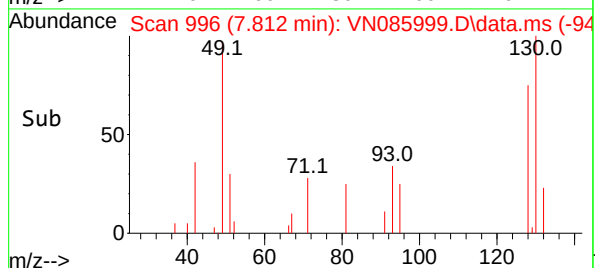
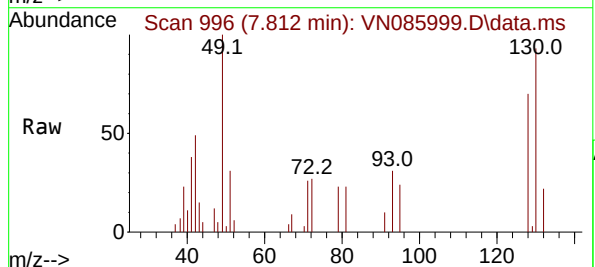
Tgt Ion: 49 Resp: 14293

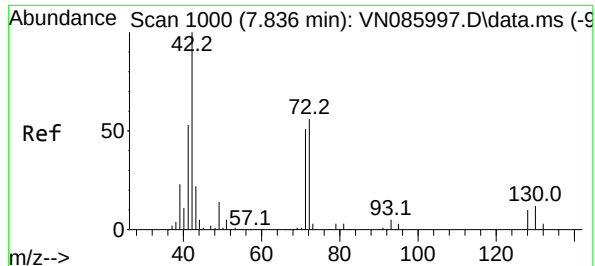
Ion Ratio Lower Upper

49 100

129 0.4 0.0 4.2

130 94.8 74.2 111.4





#29

Tetrahydrofuran

Concen: 50.716 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

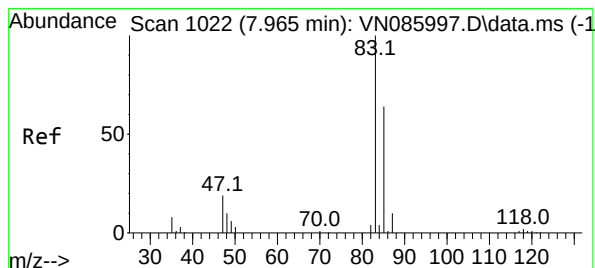
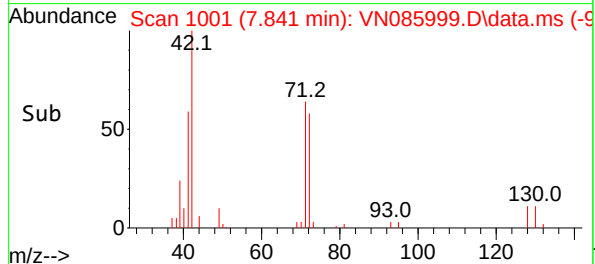
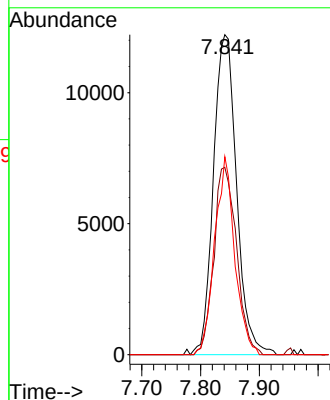
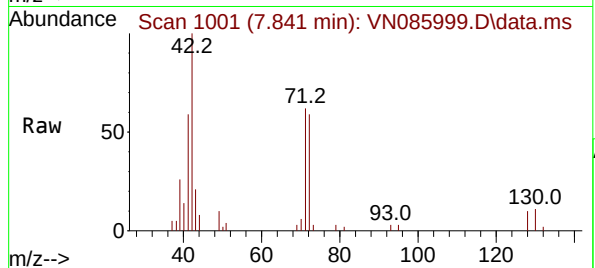
Tgt Ion:	42	Resp:	33470
Ion	Ratio	Lower	Upper
42	100		
72	57.6	45.0	67.4
71	53.6	41.9	62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 9.948 ug/l

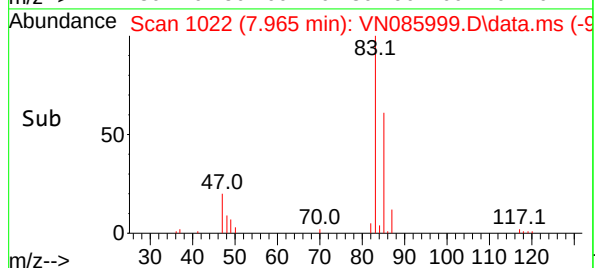
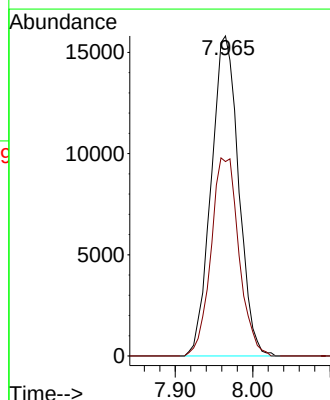
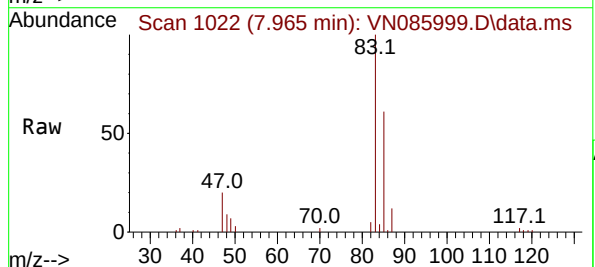
RT: 7.965 min Scan# 1022

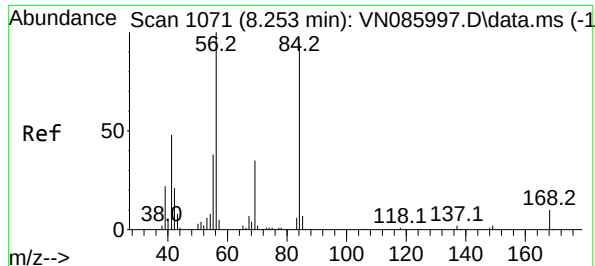
Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:	83	Resp:	38998
Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.5	77.3





#31

Cyclohexane

Concen: 10.006 ug/l

RT: 8.259 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 30234

Ion Ratio Lower Upper

56 100

69 30.7 28.0 42.0

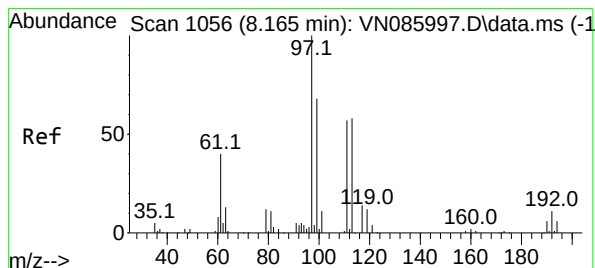
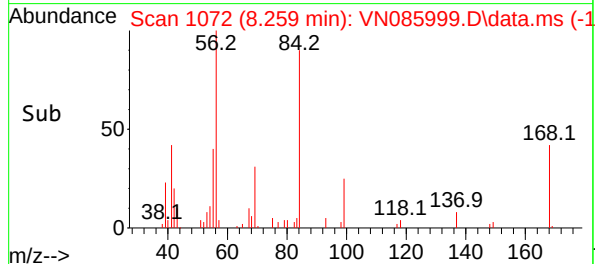
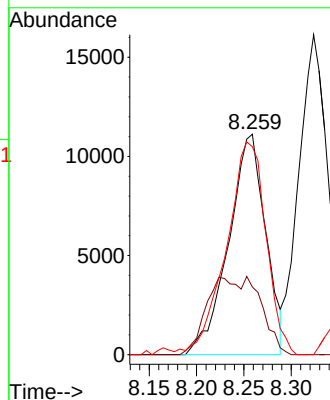
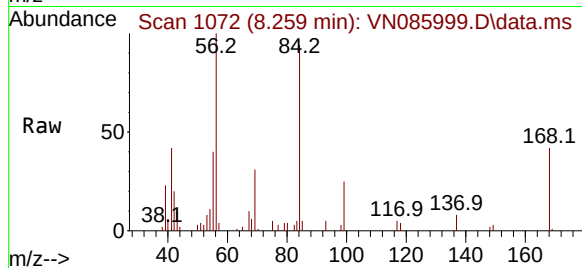
84 91.8 75.0 112.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#32

1,1,1-Trichloroethane

Concen: 9.784 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

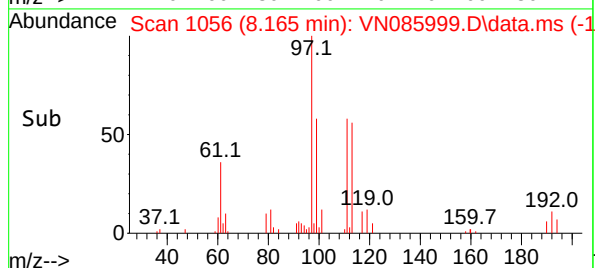
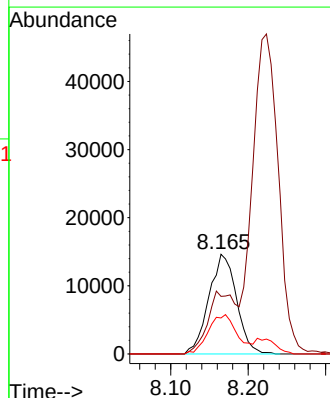
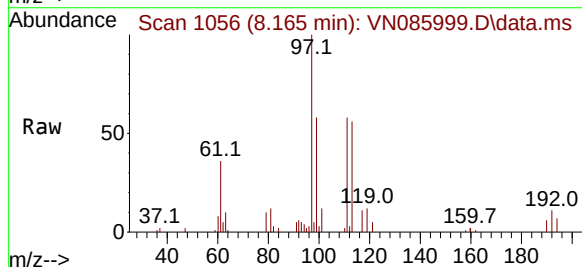
Tgt Ion: 97 Resp: 36307

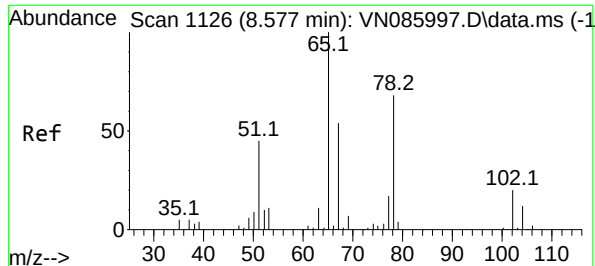
Ion Ratio Lower Upper

97 100

99 64.2 52.8 79.2

61 41.6 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 10.524 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 25519

Ion Ratio Lower Upper

65 100

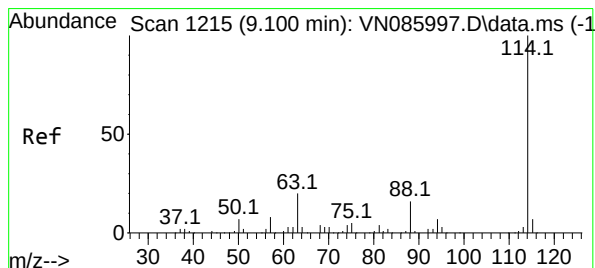
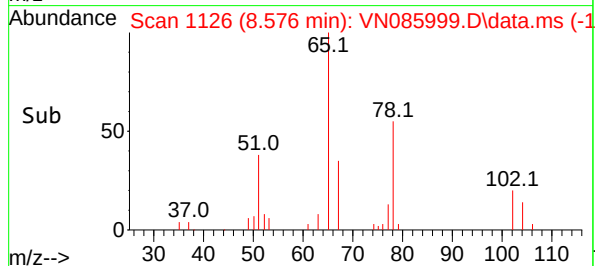
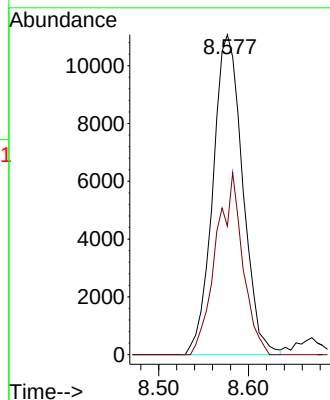
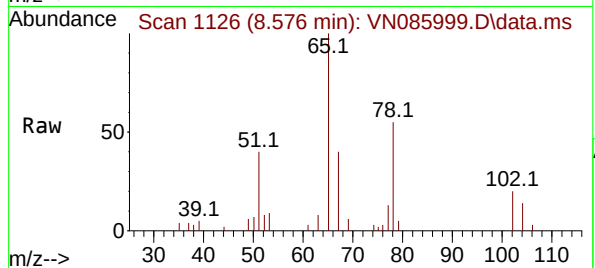
67 51.0 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

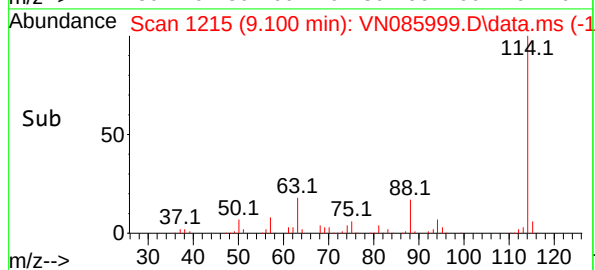
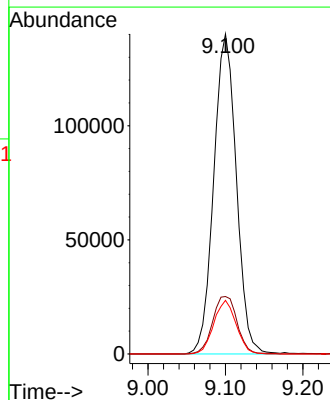
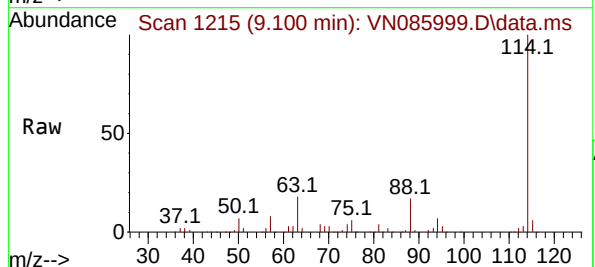
Tgt Ion:114 Resp: 284484

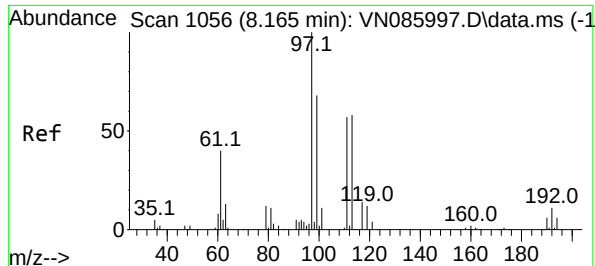
Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

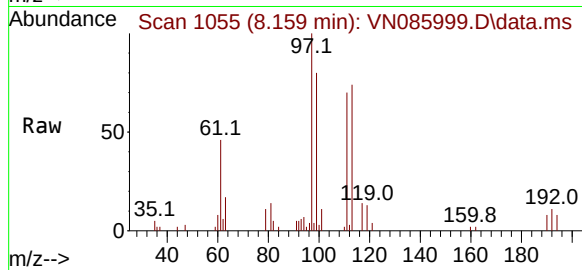
88 16.7 0.0 32.6





#35
Dibromofluoromethane
Concen: 10.374 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

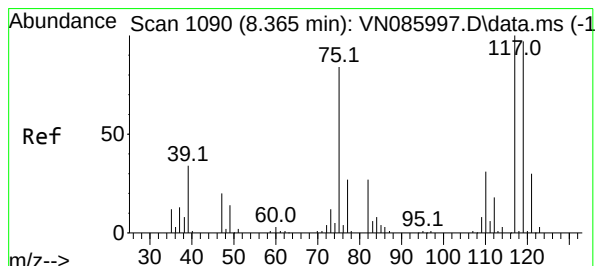
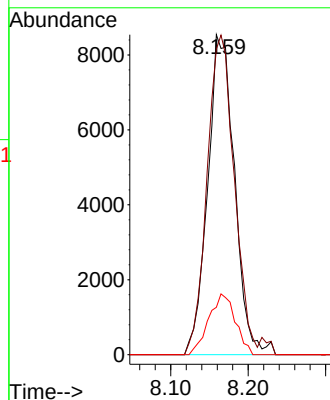
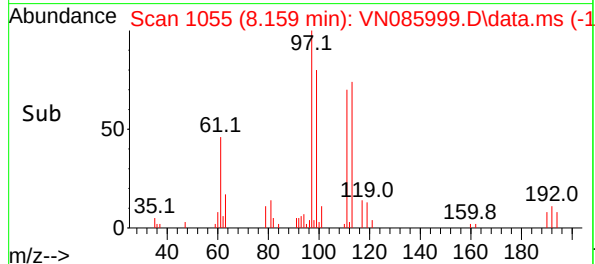
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 113 Resp: 20600
Ion Ratio Lower Upper
113 100
111 100.7 81.8 122.8
192 18.8 15.9 23.9

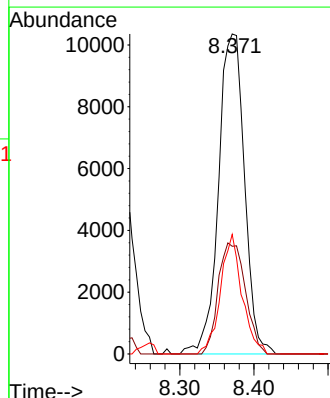
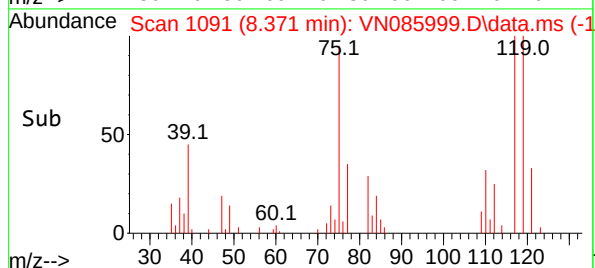
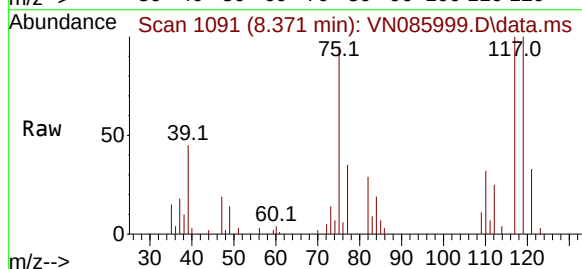
Manual Integrations
APPROVED

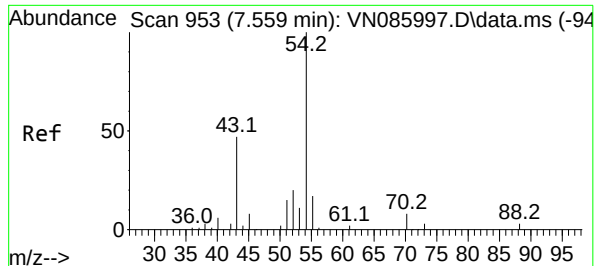
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#36
1,1-Dichloropropene
Concen: 9.644 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 75 Resp: 25215
Ion Ratio Lower Upper
75 100
110 36.2 17.8 53.3
77 31.1 25.0 37.4





#37

Ethyl Acetate

Concen: 10.134 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

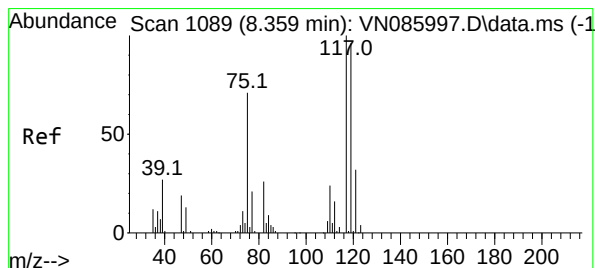
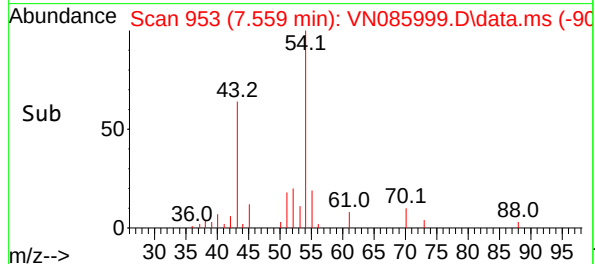
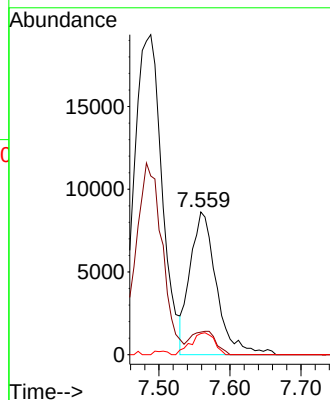
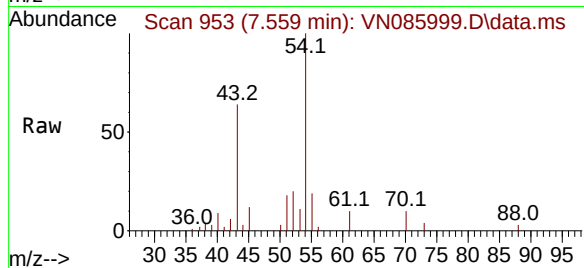
VSTDIC010

Tgt Ion:	43	Resp:	2235
Ion	Ratio	Lower	Upper
43	100		
61	15.5	13.0	19.4
70	13.6	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#38

Carbon Tetrachloride

Concen: 9.601 ug/l

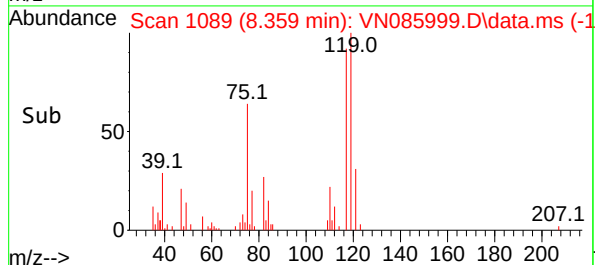
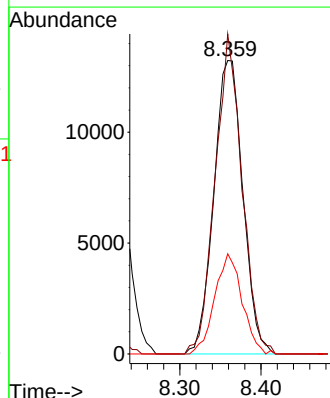
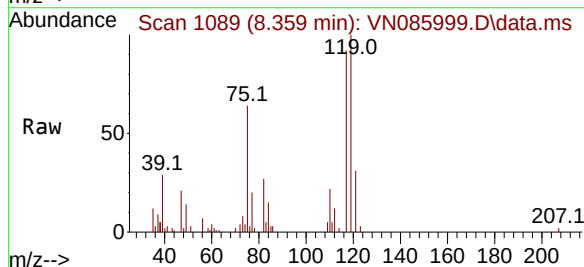
RT: 8.359 min Scan# 1089

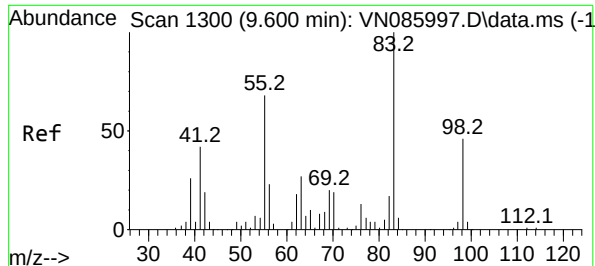
Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:	117	Resp:	33005
Ion	Ratio	Lower	Upper
117	100		
119	109.1	77.0	115.4
121	34.2	25.6	38.4





#39

Methylcyclohexane

Concen: 8.745 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 83 Resp: 2268

Ion Ratio Lower Upper

83 100

55 78.8 54.2 81.2

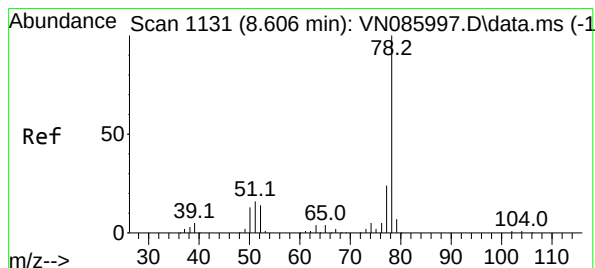
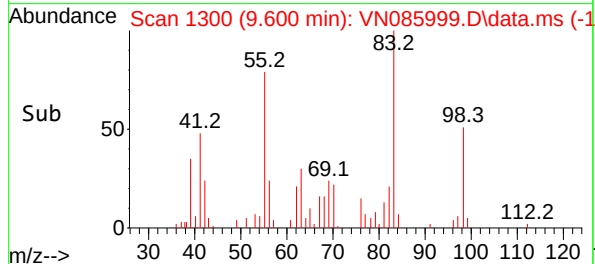
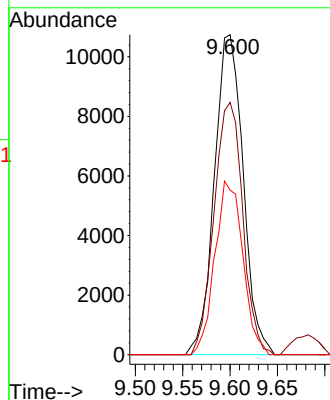
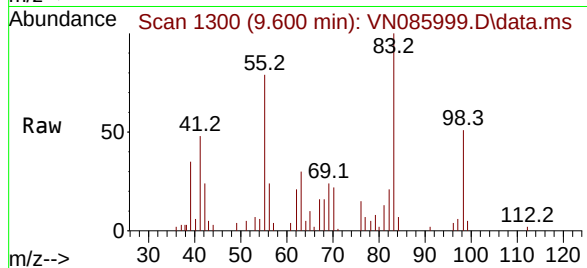
98 51.4 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 9.606 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN085999.D

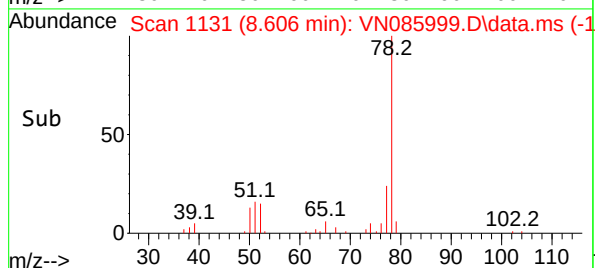
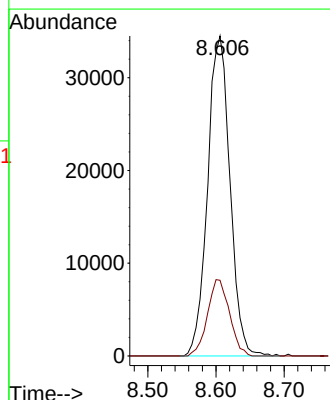
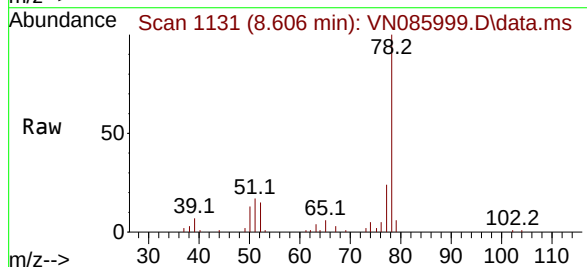
Acq: 18 Mar 2025 12:57

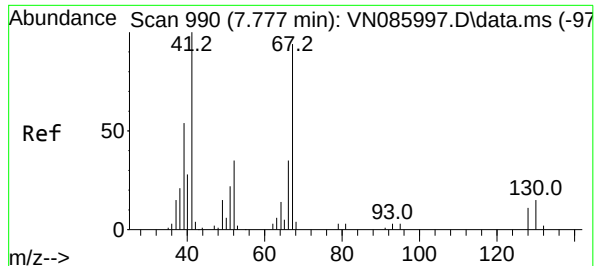
Tgt Ion: 78 Resp: 78849

Ion Ratio Lower Upper

78 100

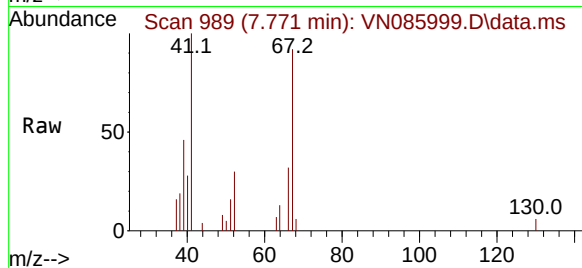
77 23.6 18.9 28.3





#41
Methacrylonitrile
Concen: 10.306 ug/l
RT: 7.771 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

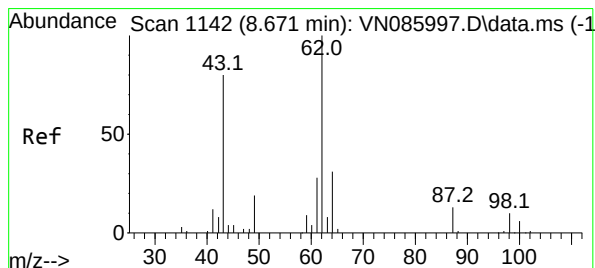
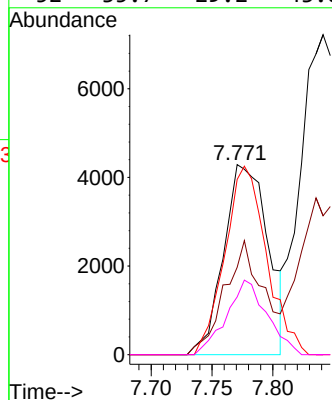
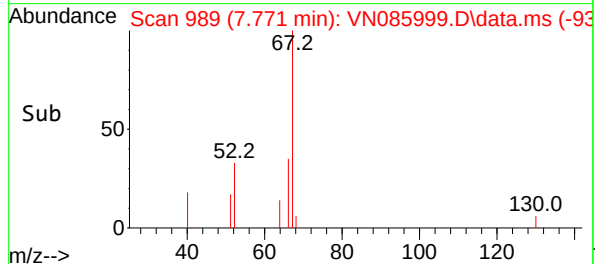
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 41 Resp: 1085
Ion Ratio Lower Upper
41 100
39 52.5 46.2 69.2
67 93.3 75.9 113.9
52 35.7 29.2 43.8

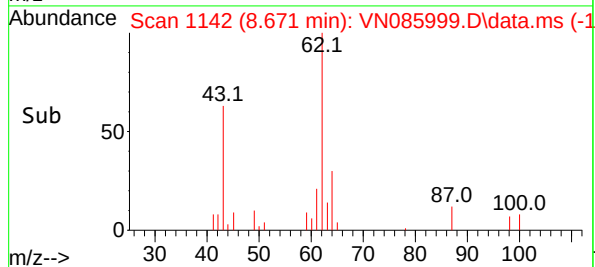
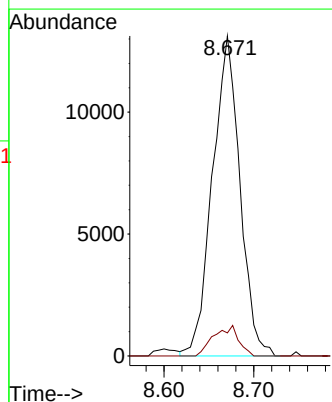
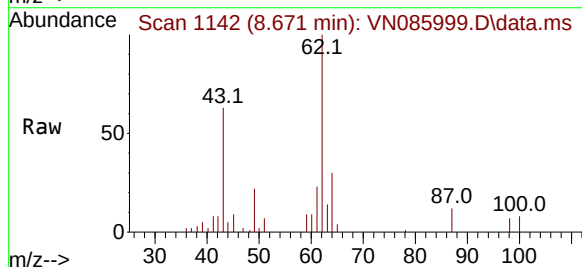
Manual Integrations
APPROVED

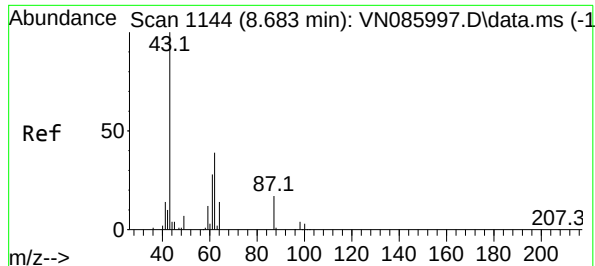
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#42
1,2-Dichloroethane
Concen: 9.776 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 62 Resp: 27959
Ion Ratio Lower Upper
62 100
98 8.6 0.0 18.6





#43

Isopropyl Acetate

Concen: 10.518 ug/l m

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

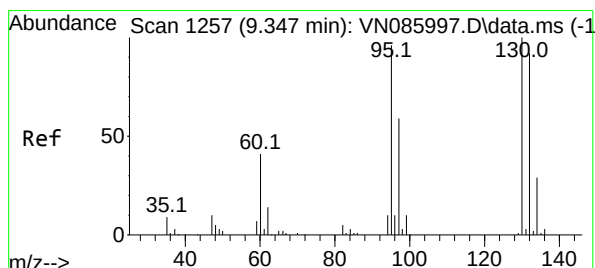
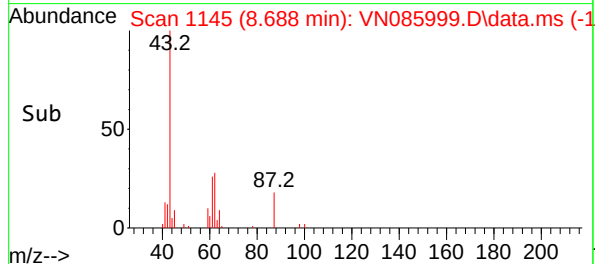
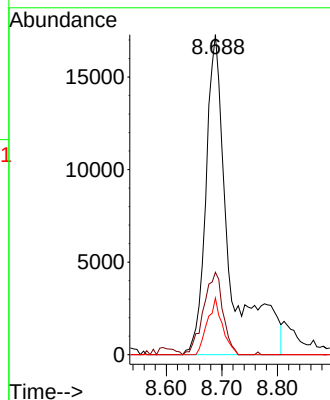
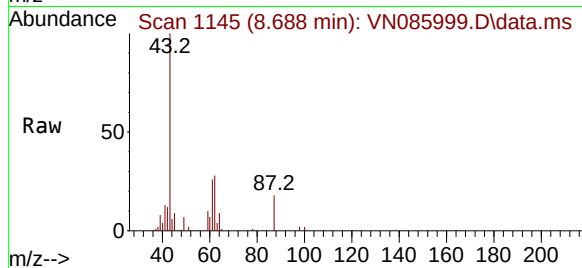
Tgt Ion: 43	Resp: 5038
Ion Ratio	Lower Upper
43	100
61	21.4 25.0 37.6
87	11.4 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 9.446 ug/l

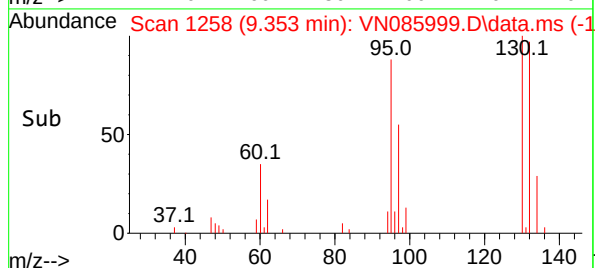
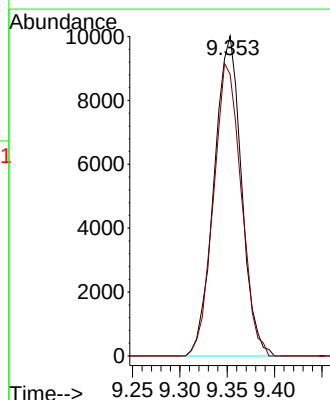
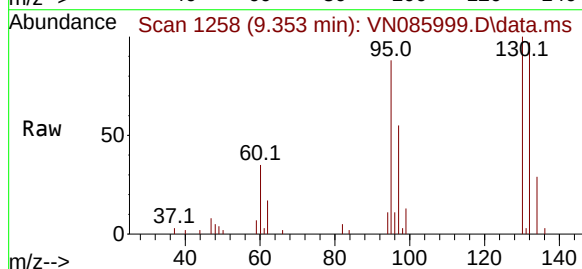
RT: 9.353 min Scan# 1258

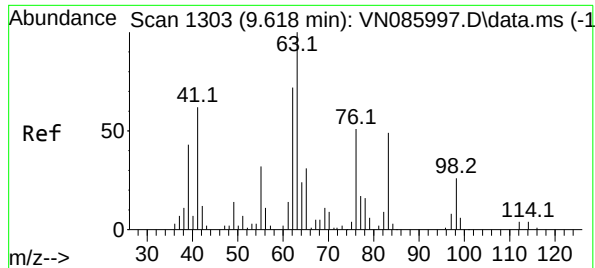
Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:130	Resp: 20094
Ion Ratio	Lower Upper
130	100
95	88.0 0.0 191.6





#45

1,2-Dichloropropane

Concen: 9.791 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 18278

Ion Ratio Lower Upper

63 100

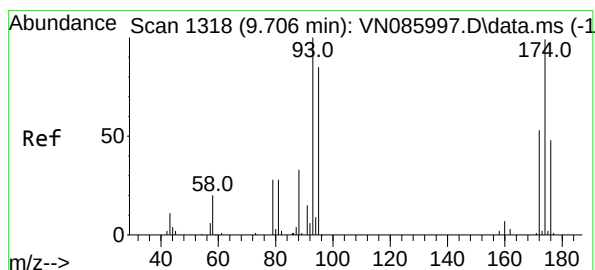
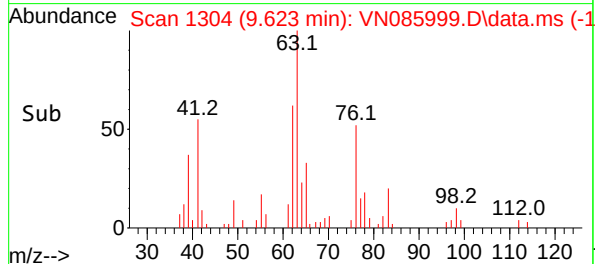
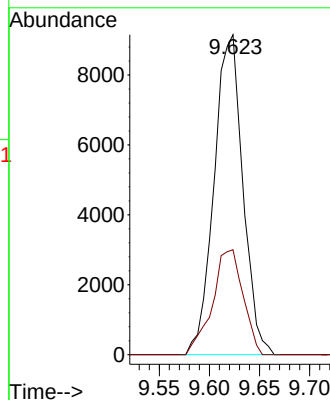
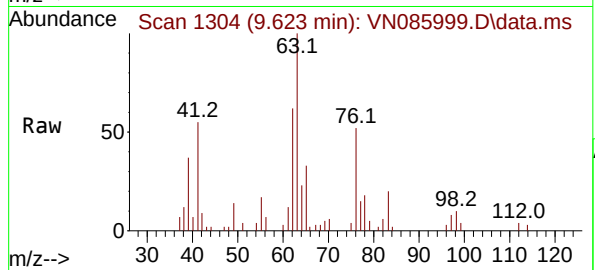
65 32.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 9.709 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

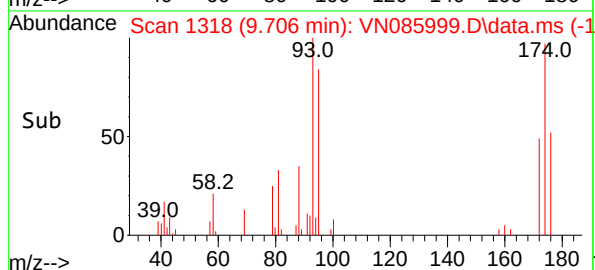
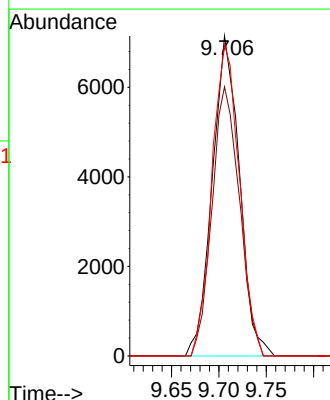
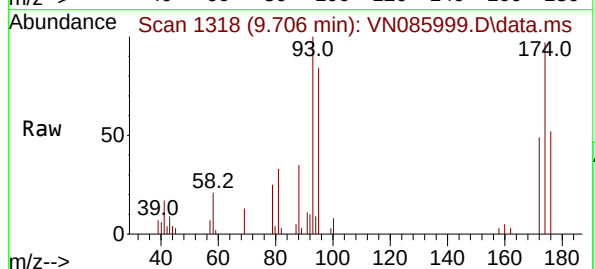
Tgt Ion: 93 Resp: 14254

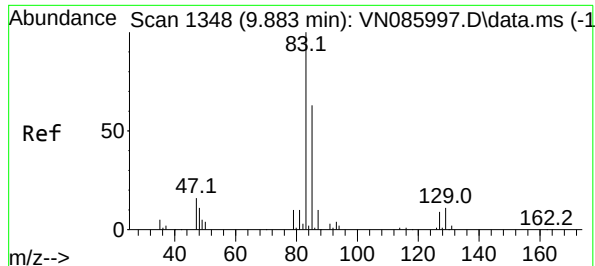
Ion Ratio Lower Upper

93 100

95 85.0 66.2 99.2

174 97.9 80.1 120.1





#47

Bromodichloromethane

Concen: 9.558 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

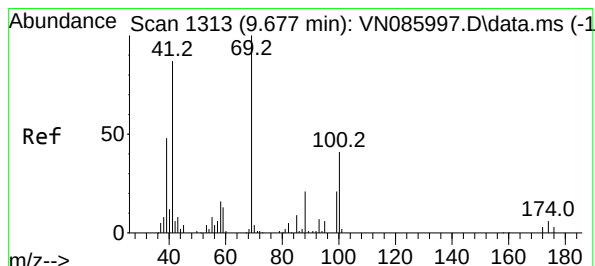
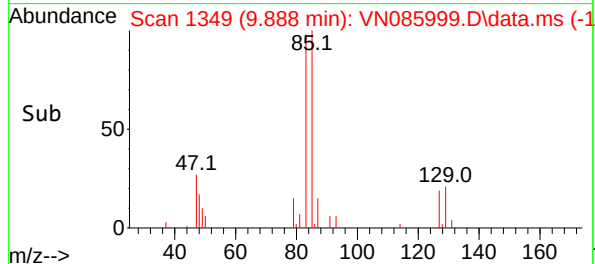
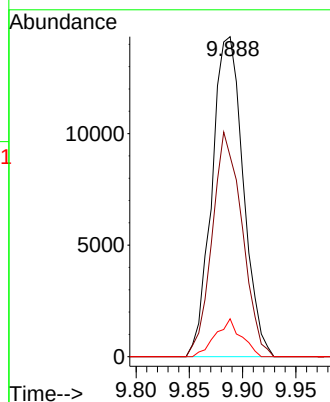
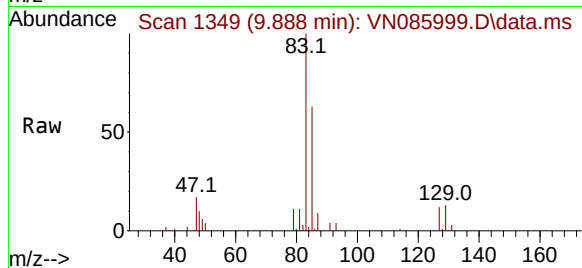
Tgt Ion:	83	Resp:	29320
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.2	75.2
127	11.8	7.1	10.7

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#48

Methyl methacrylate

Concen: 9.570 ug/l

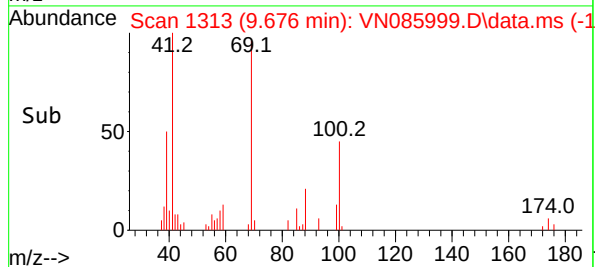
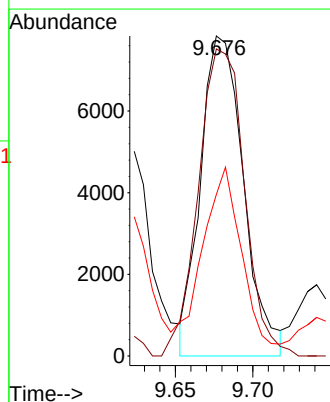
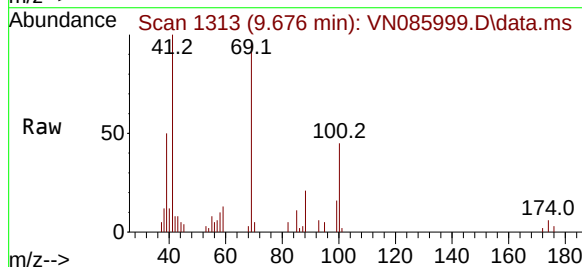
RT: 9.676 min Scan# 1313

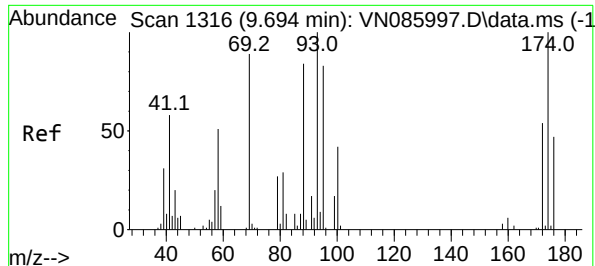
Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:	41	Resp:	15095
Ion	Ratio	Lower	Upper
41	100		
69	103.0	83.1	124.7
39	55.6	45.6	68.4





#49

1,4-Dioxane

Concen: 218.227 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 813

Ion Ratio Lower Upper

88 100

43 23.8 21.7 32.5

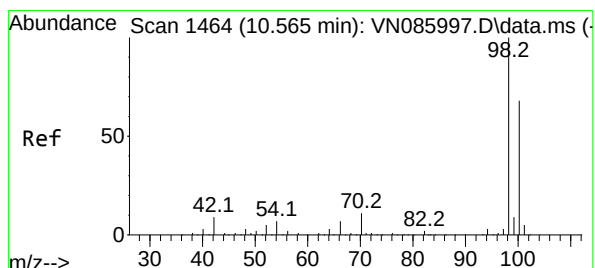
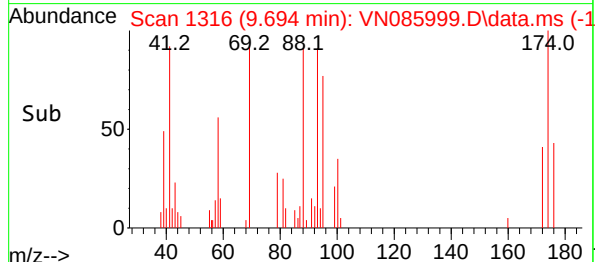
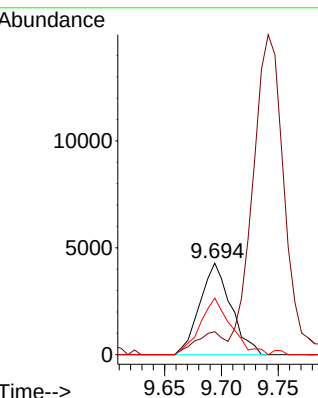
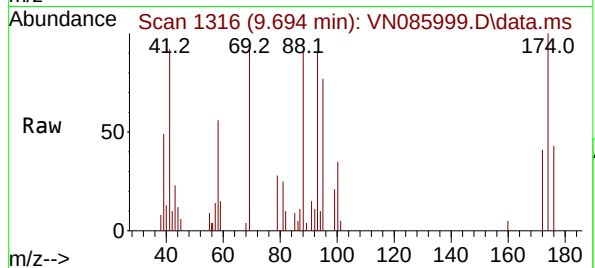
58 61.5 50.4 75.6

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 10.174 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085999.D

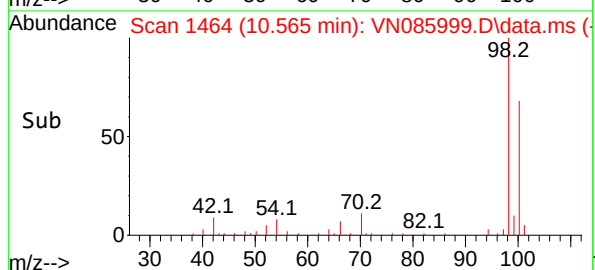
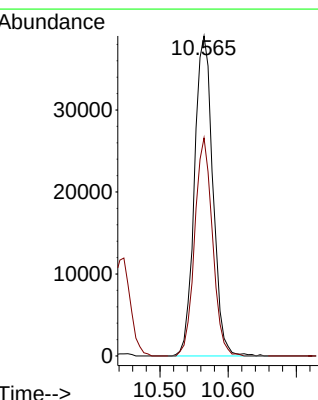
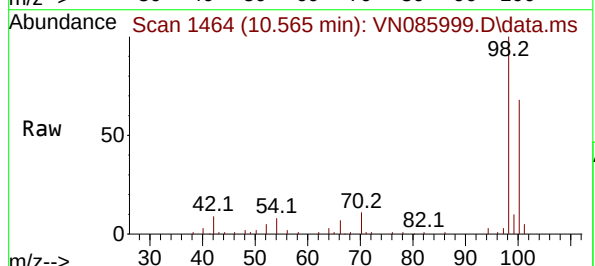
Acq: 18 Mar 2025 12:57

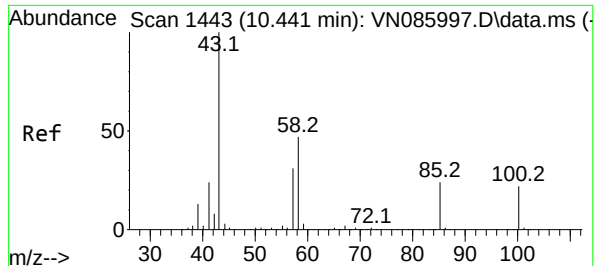
Tgt Ion: 98 Resp: 73317

Ion Ratio Lower Upper

98 100

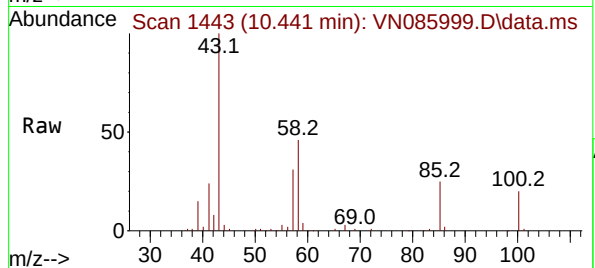
100 65.8 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 51.326 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

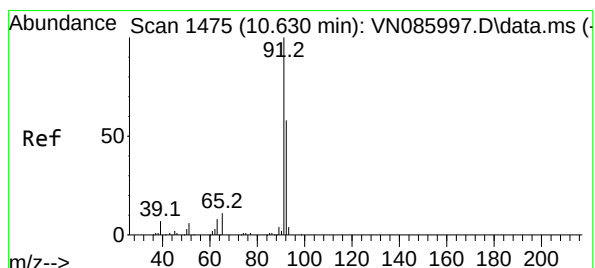
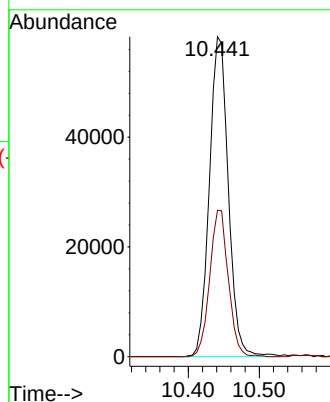
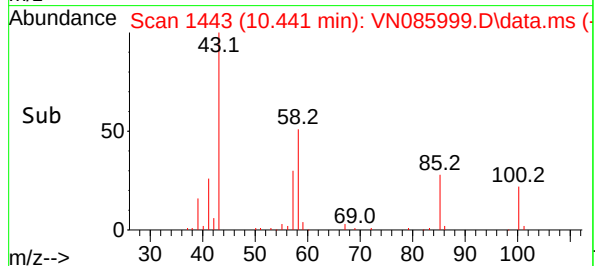
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 108190
Ion Ratio Lower Upper
43 100
58 44.9 37.4 56.0

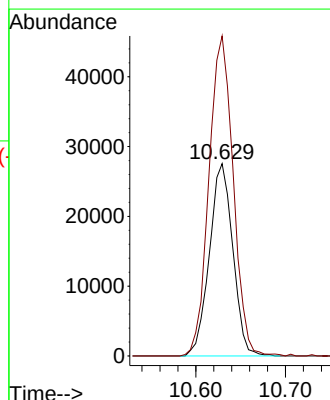
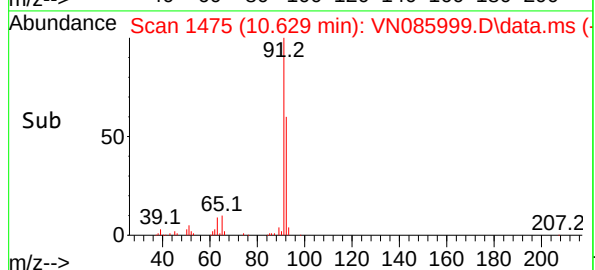
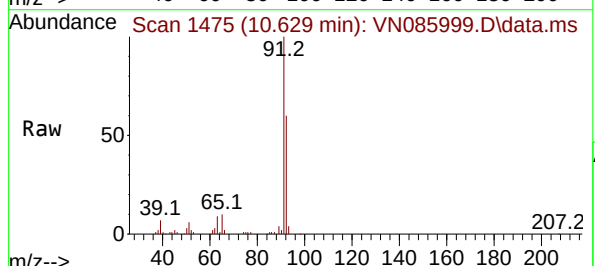
Manual Integrations
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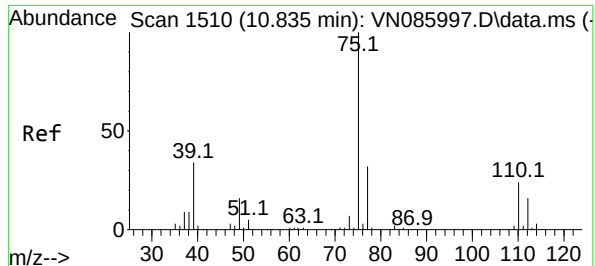
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 9.915 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

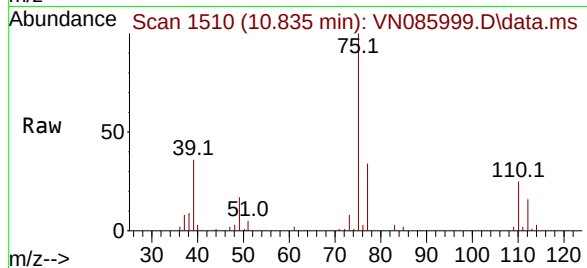
Tgt Ion: 92 Resp: 49947
Ion Ratio Lower Upper
92 100
91 172.4 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 9.670 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

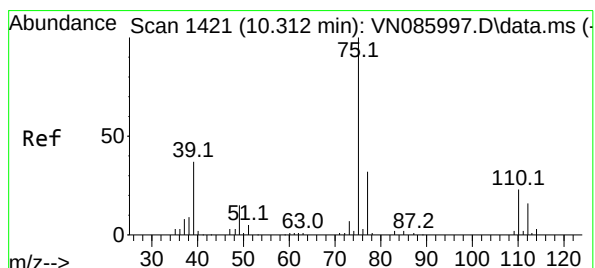
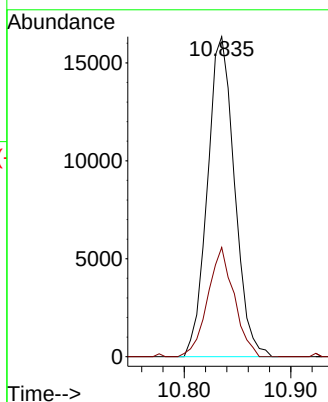
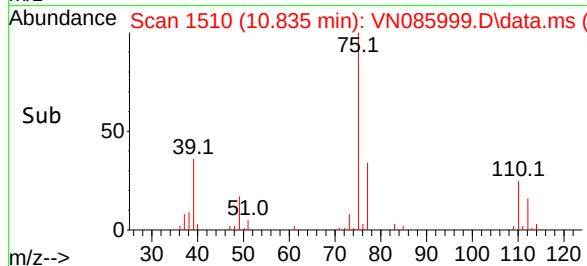
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 2881
Ion Ratio Lower Upper
75 100
77 34.2 25.3 37.9

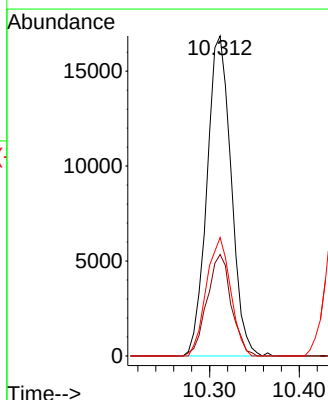
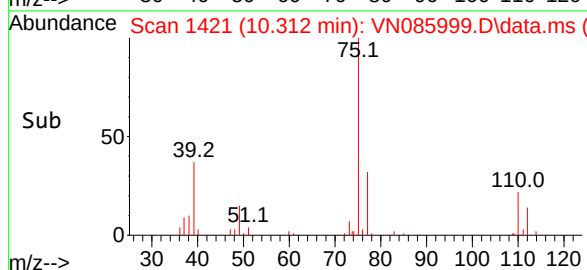
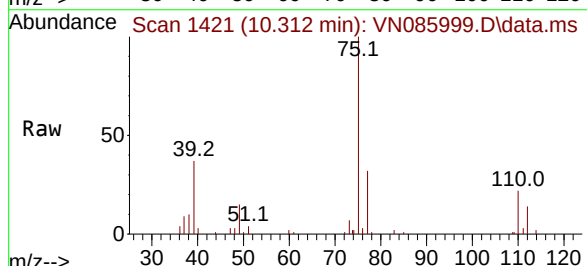
Manual Integrations
APPROVED

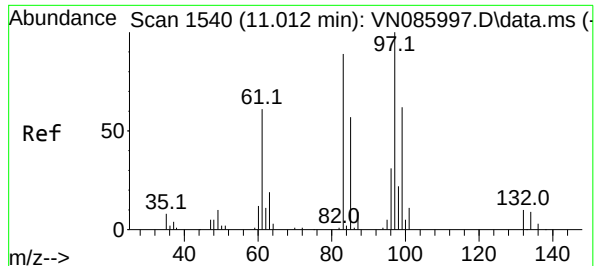
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 10.042 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

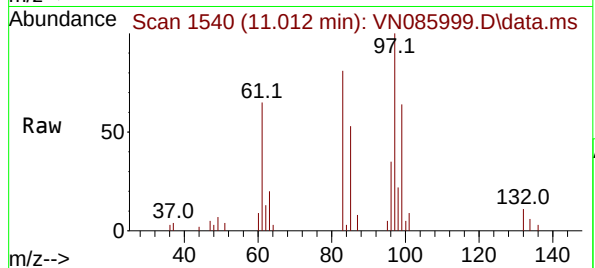
Tgt Ion: 75 Resp: 31572
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9
39 37.0 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 9.767 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

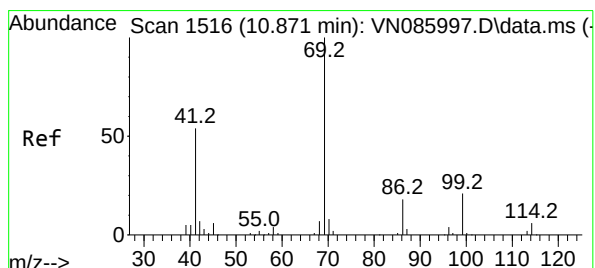
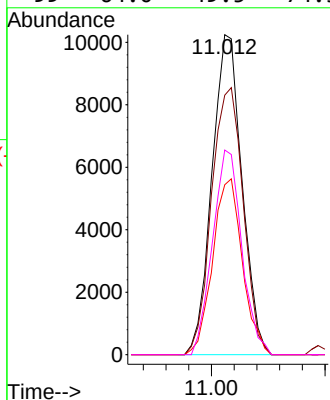
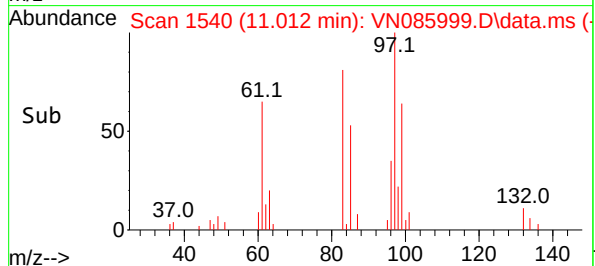
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



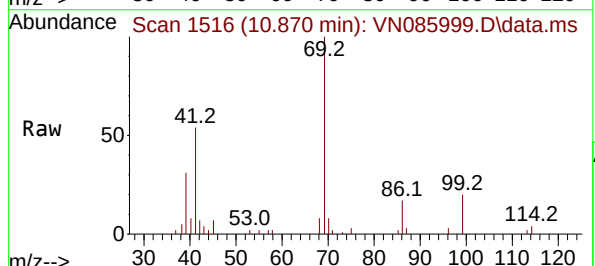
Tgt Ion: 97 Resp: 18779
Ion Ratio Lower Upper
97 100
83 81.1 71.2 106.8
85 53.1 45.4 68.0
99 64.0 49.5 74.3

Manual Integrations
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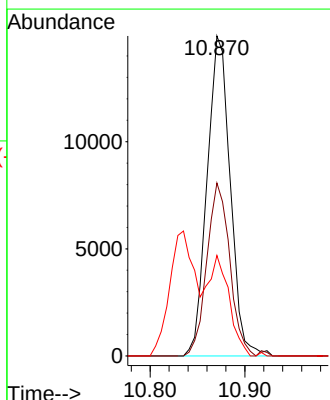
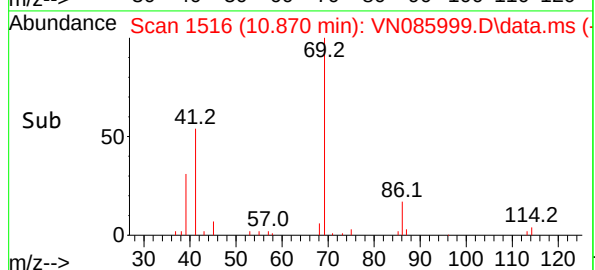
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

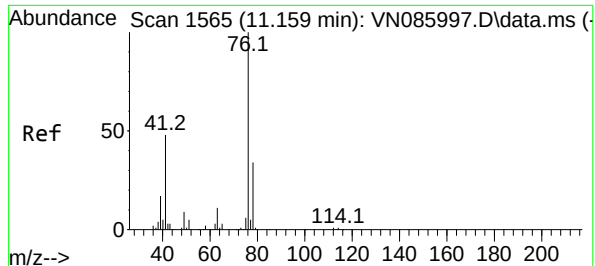


#56
Ethyl methacrylate
Concen: 10.180 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57



Tgt Ion: 69 Resp: 25340
Ion Ratio Lower Upper
69 100
41 53.5 41.6 62.4
39 25.1 21.8 32.8





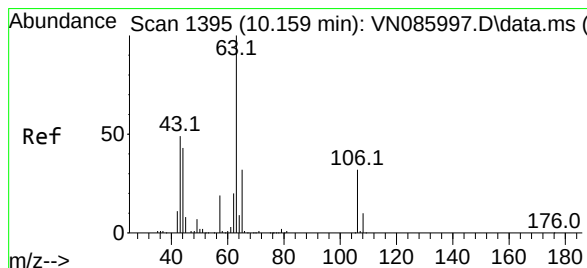
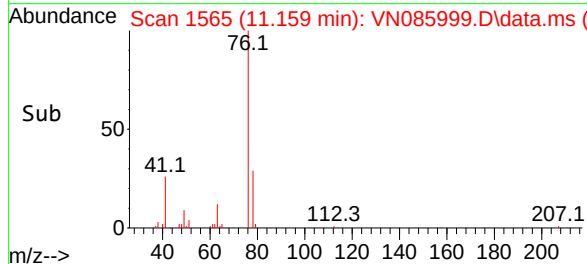
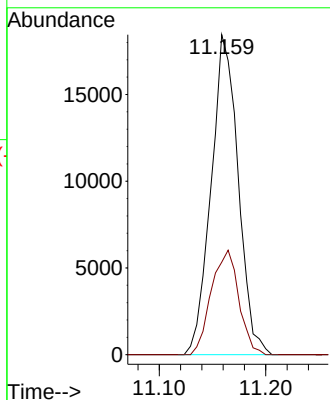
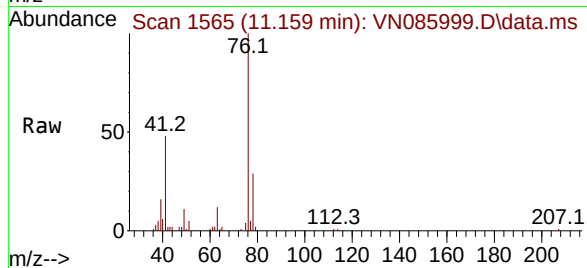
#57
1,3-Dichloropropane
Concen: 9.957 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 76 Resp: 32510
Ion Ratio Lower Upper
76 100
78 33.2 25.8 38.6

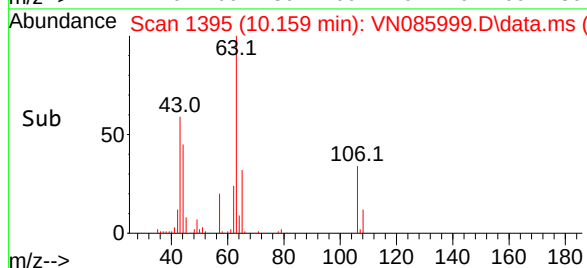
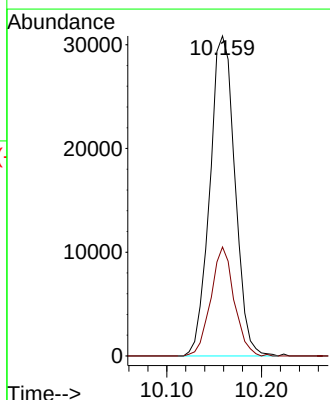
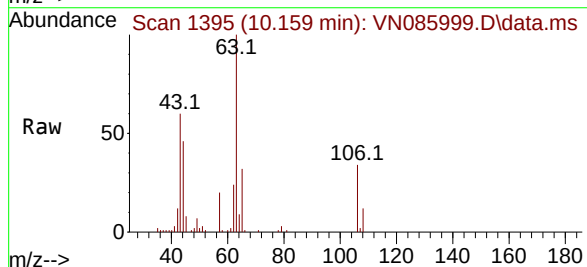
Manual Integrations
APPROVED

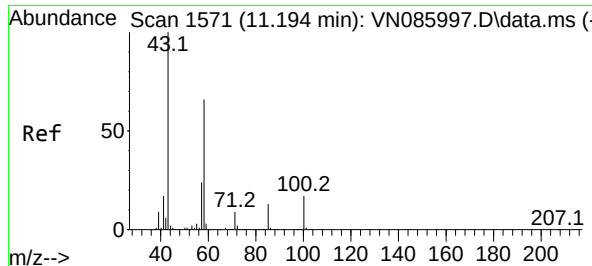
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#58
2-Chloroethyl Vinyl ether
Concen: 60.781 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

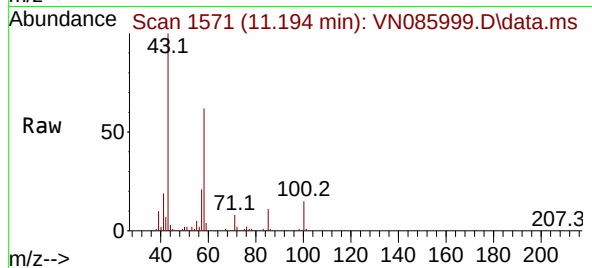
Tgt Ion: 63 Resp: 56781
Ion Ratio Lower Upper
63 100
106 31.6 25.0 37.6





#59
2-Hexanone
Concen: 49.939 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

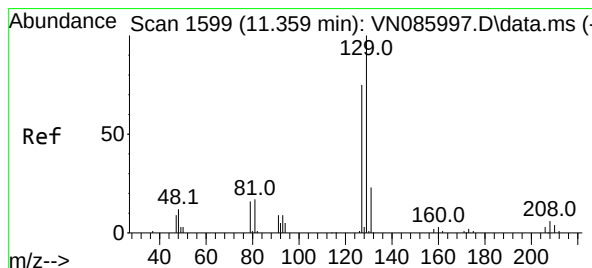
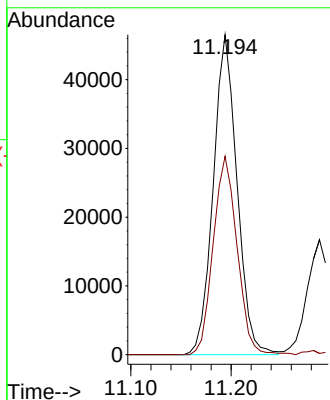
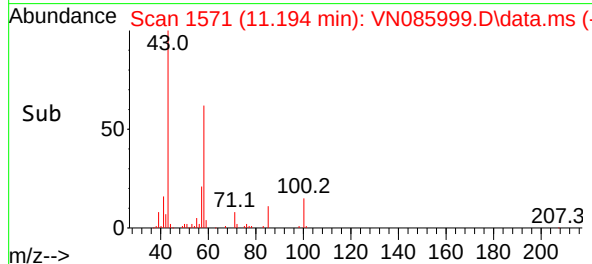
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 76690
Ion Ratio Lower Upper
43 100
58 62.2 32.4 97.2

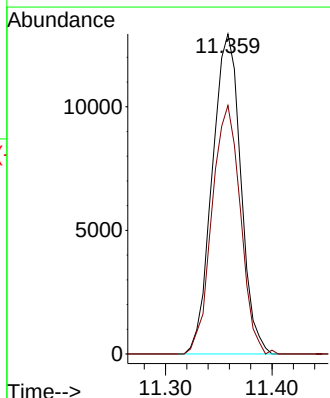
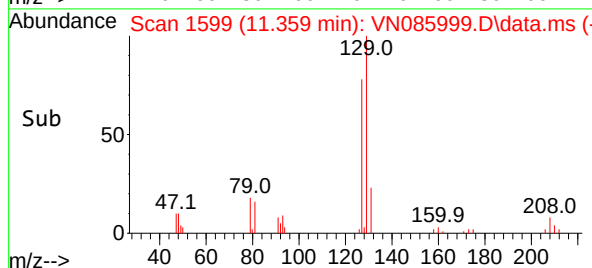
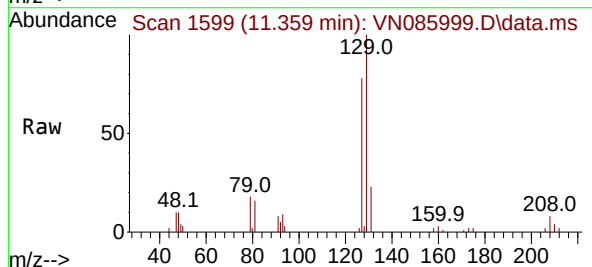
Manual Integrations
APPROVED

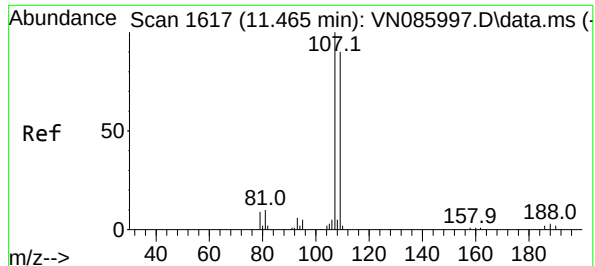
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#60
Dibromochloromethane
Concen: 9.685 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

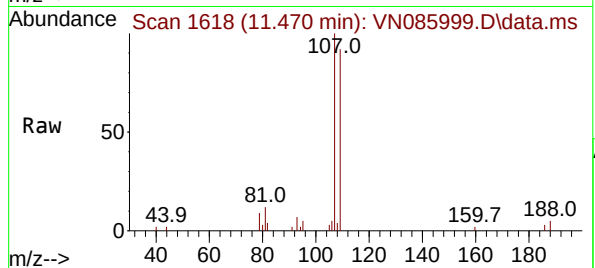
Tgt Ion:129 Resp: 24029
Ion Ratio Lower Upper
129 100
127 77.5 37.8 113.4





#61
1,2-Dibromoethane
Concen: 9.879 ug/l
RT: 11.470 min Scan# 1617
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

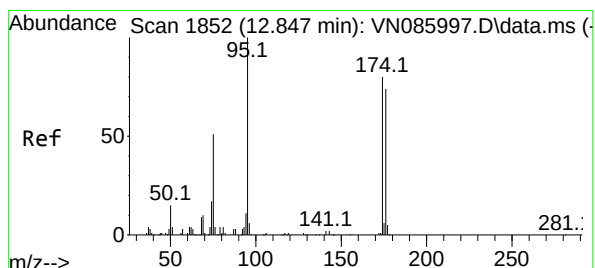
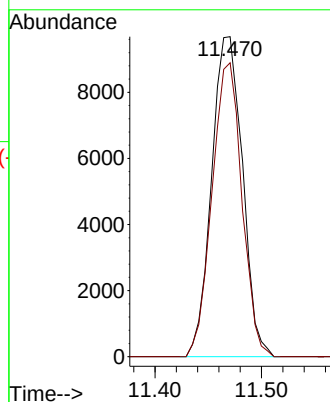
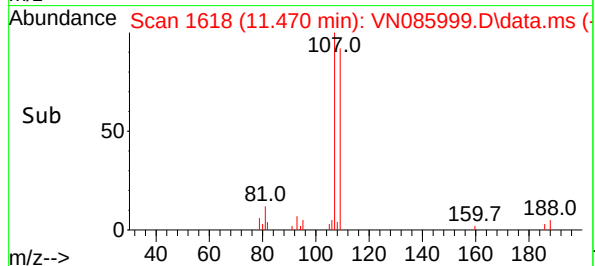
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion:107 Resp: 19500
Ion Ratio Lower Upper
107 100
109 88.9 73.3 109.9

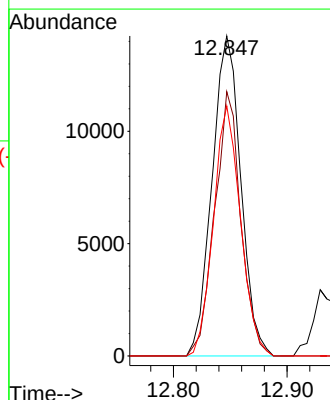
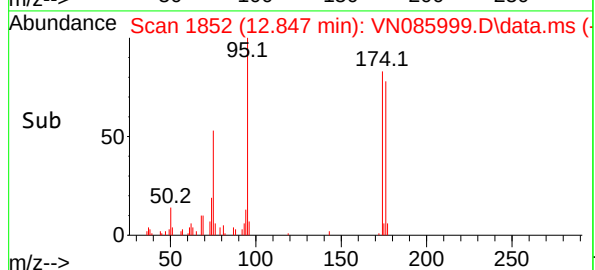
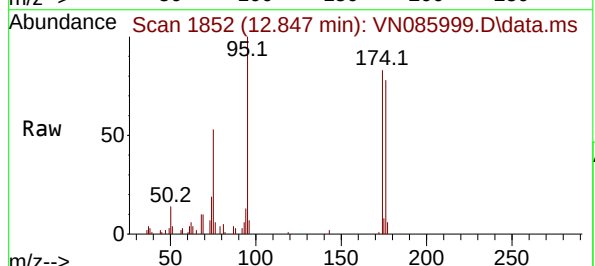
Manual Integrations
APPROVED

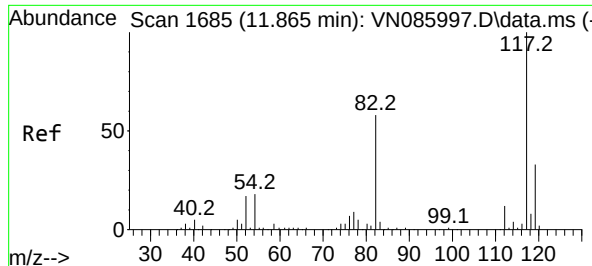
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 9.746 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 95 Resp: 25049
Ion Ratio Lower Upper
95 100
174 75.2 0.0 156.8
176 73.8 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:117 Resp: 249100

Ion Ratio Lower Upper

117 100

82 57.5 46.7 70.1

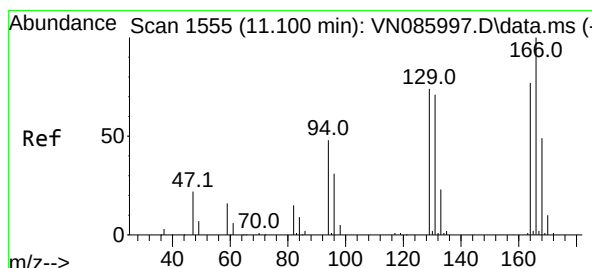
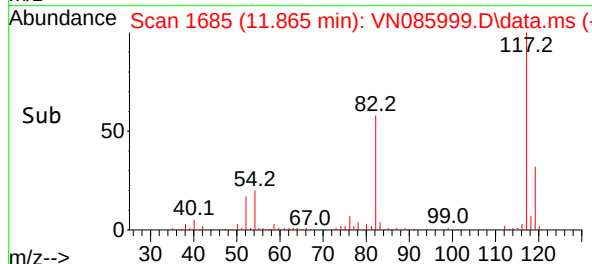
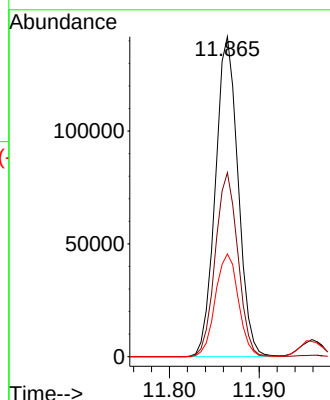
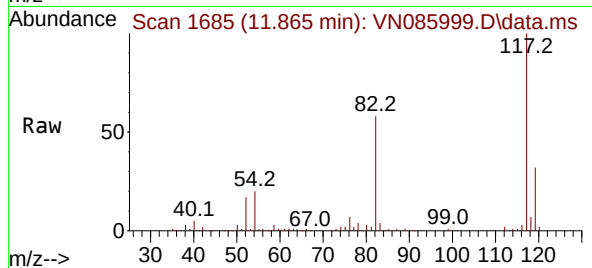
119 32.1 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#64

Tetrachloroethene

Concen: 9.781 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:164 Resp: 19436

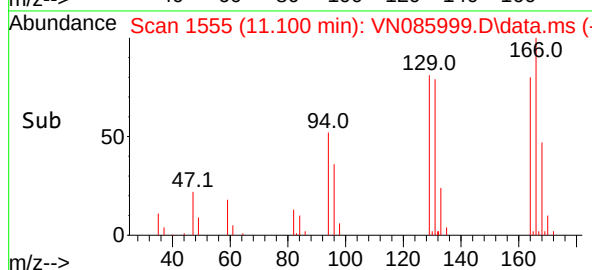
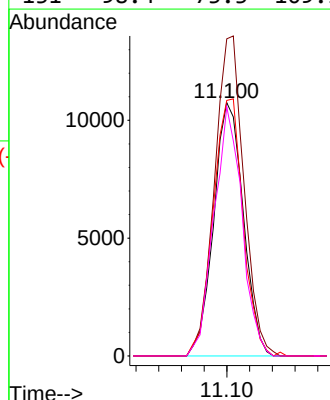
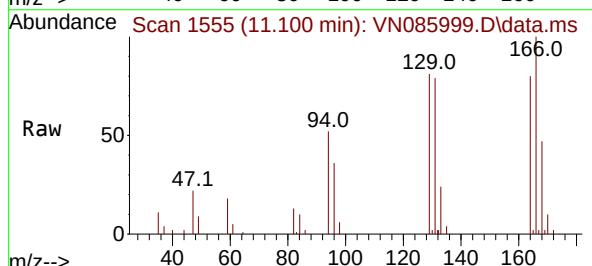
Ion Ratio Lower Upper

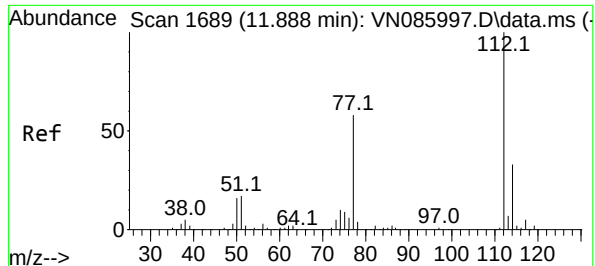
164 100

166 125.2 103.7 155.5

129 100.9 77.1 115.7

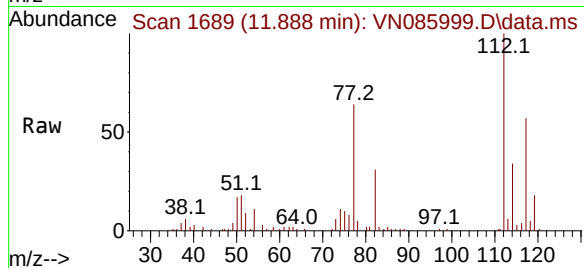
131 98.4 73.3 109.9





#65
Chlorobenzene
Concen: 9.752 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

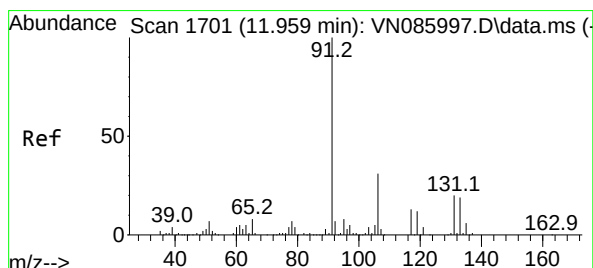
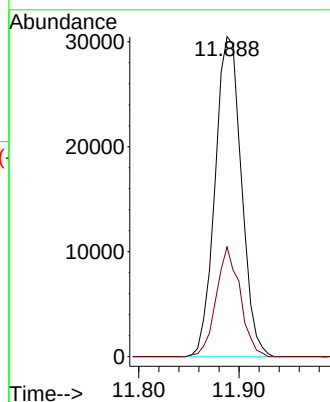
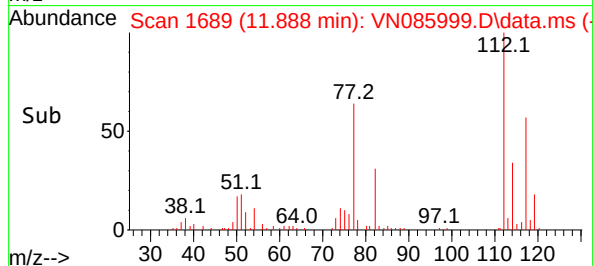
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion:112 Resp: 55590
Ion Ratio Lower Upper
112 100
114 34.3 26.3 39.5

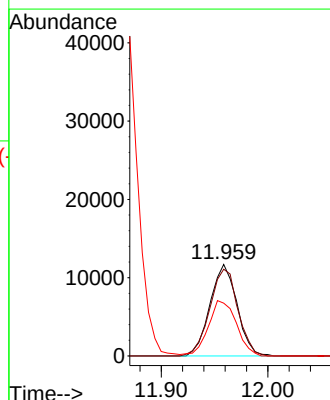
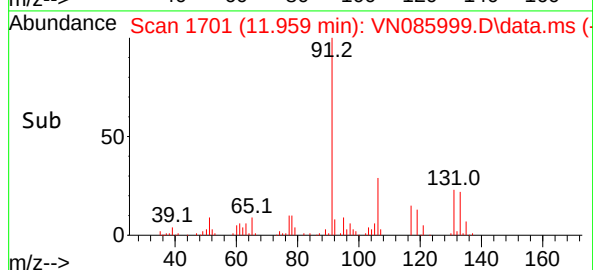
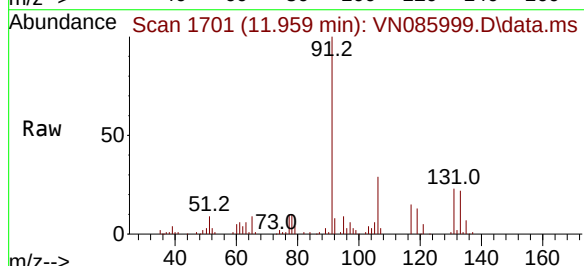
Manual Integrations
APPROVED

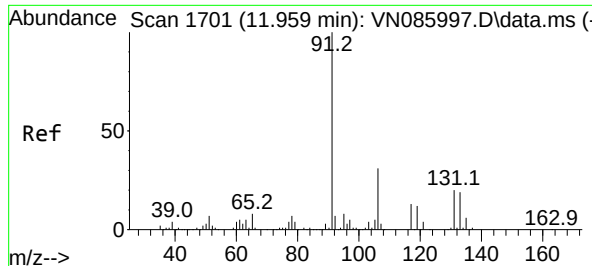
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 9.740 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion:131 Resp: 20639
Ion Ratio Lower Upper
131 100
133 98.4 47.0 141.0
119 62.6 31.4 94.0





#67

Ethyl Benzene

Concen: 9.666 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 8813

Ion Ratio Lower Upper

91 100

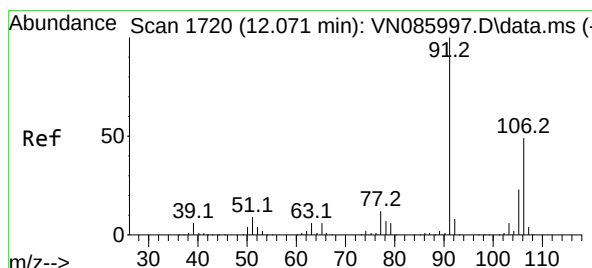
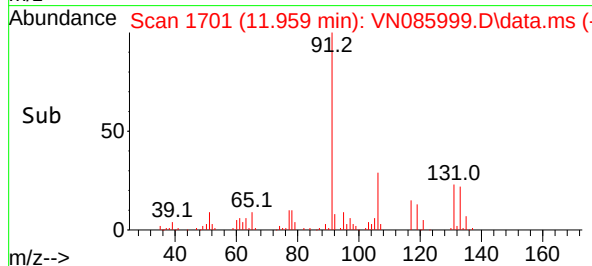
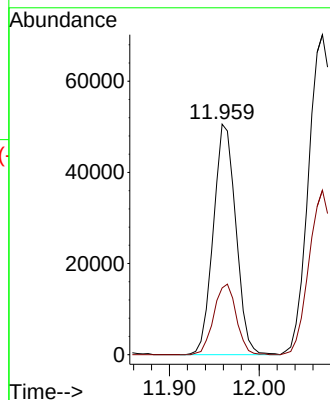
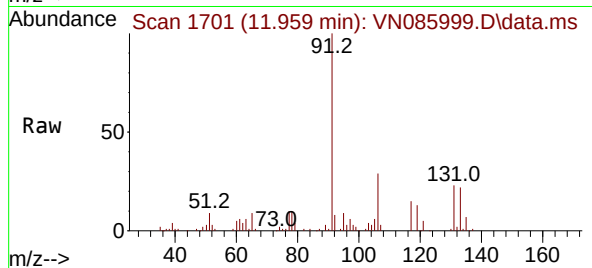
106 28.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#68

m/p-Xylenes

Concen: 19.180 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085999.D

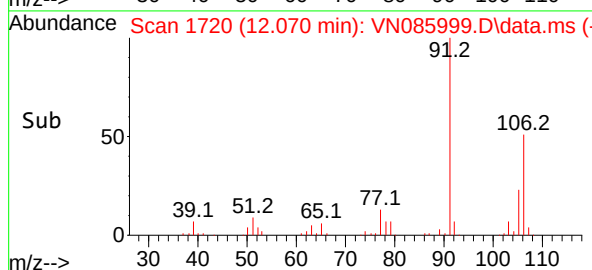
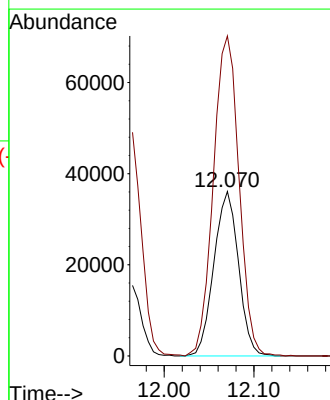
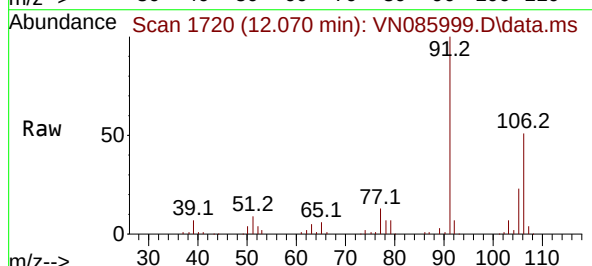
Acq: 18 Mar 2025 12:57

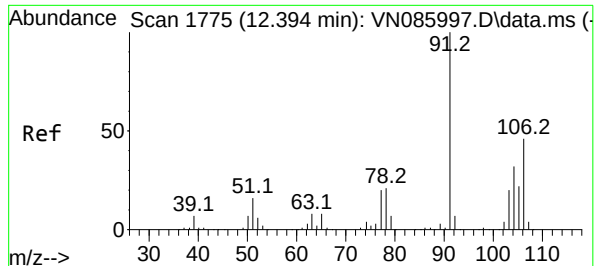
Tgt Ion:106 Resp: 68738

Ion Ratio Lower Upper

106 100

91 202.6 163.9 245.9





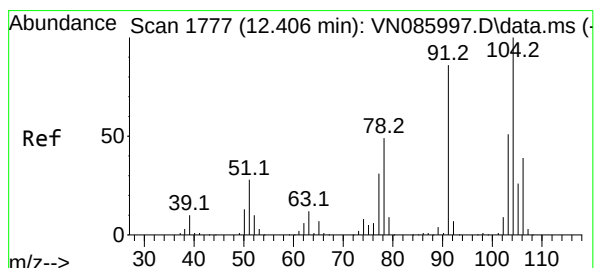
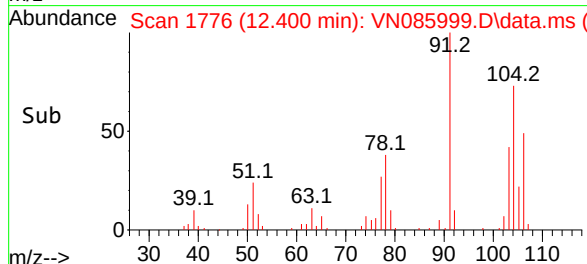
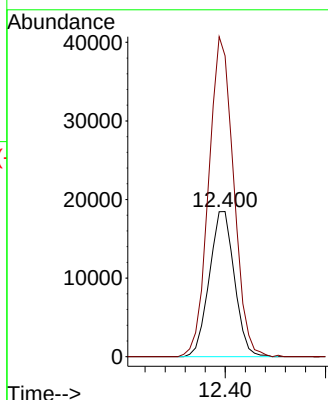
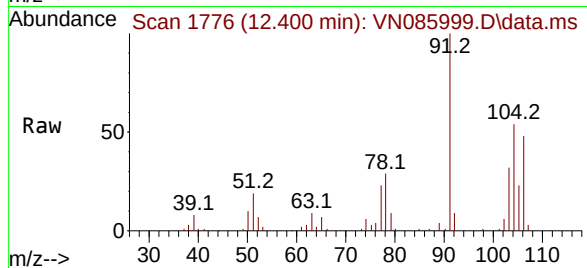
#69
o-Xylene
Concen: 9.770 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 3213
Ion Ratio Lower Upper
106 100
91 219.1 109.1 327.2

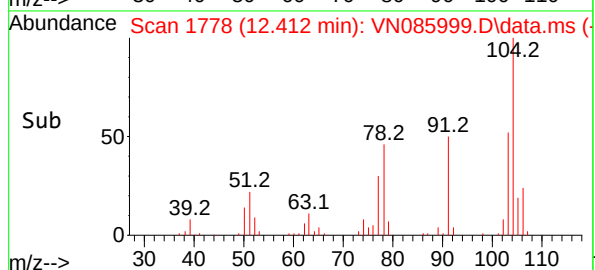
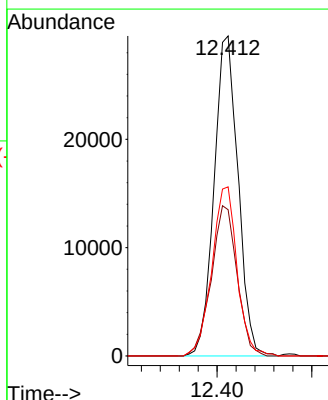
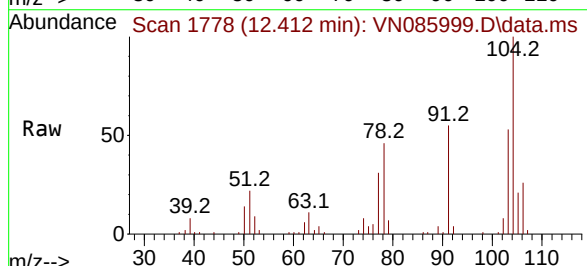
Manual Integrations
APPROVED

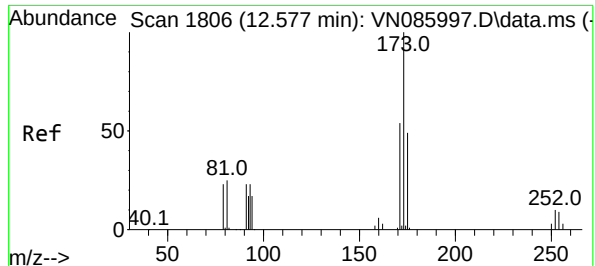
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#70
Styrene
Concen: 9.254 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

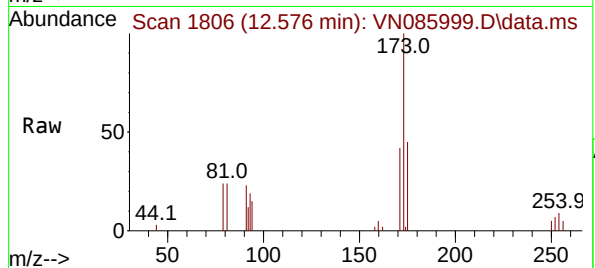
Tgt Ion:104 Resp: 51989
Ion Ratio Lower Upper
104 100
78 50.3 41.4 62.2
103 55.5 42.9 64.3





#71
Bromoform
Concen: 9.624 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

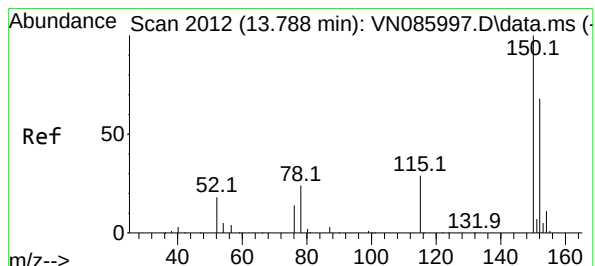
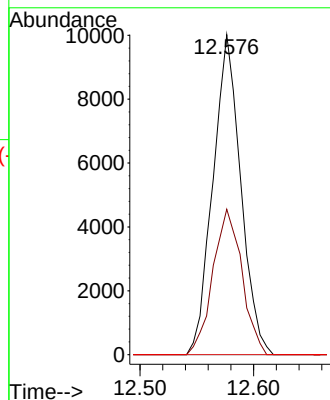
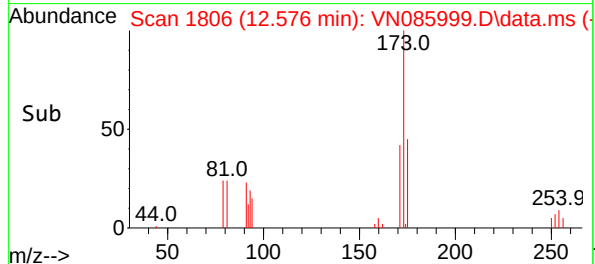
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



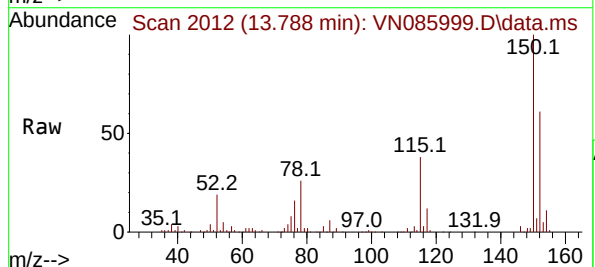
Tgt Ion:173 Resp: 17048
Ion Ratio Lower Upper
173 100
175 47.4 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
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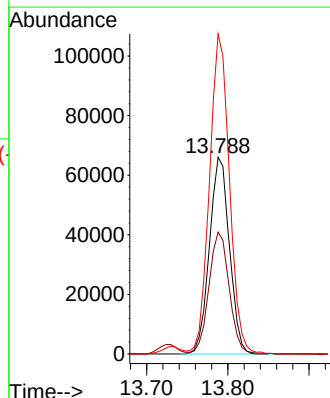
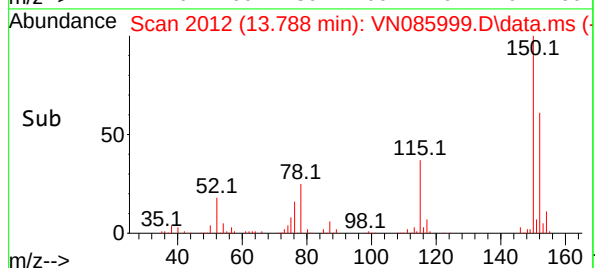
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

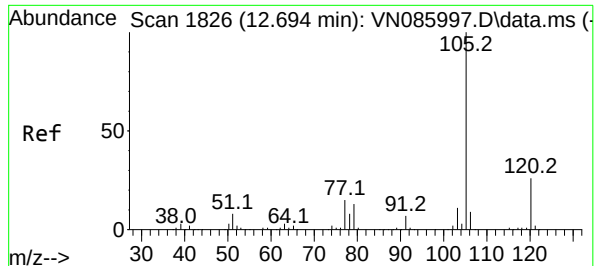


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57



Tgt Ion:152 Resp: 112825
Ion Ratio Lower Upper
152 100
115 62.5 31.1 93.2
150 162.0 0.0 359.6





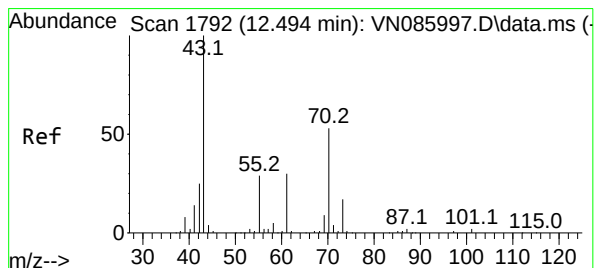
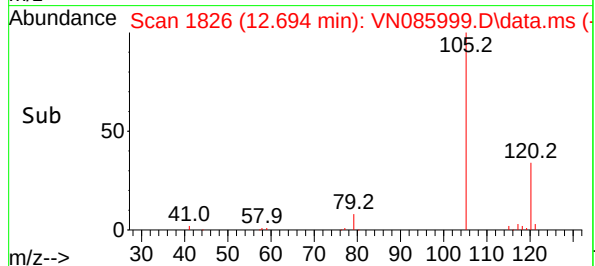
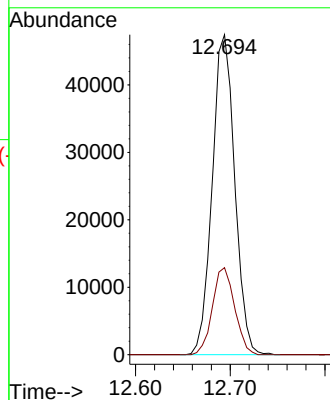
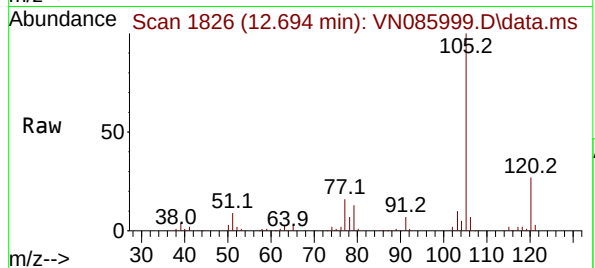
#73
Isopropylbenzene
Concen: 10.163 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:105 Resp: 78299
Ion Ratio Lower Upper
105 100
120 26.8 13.0 39.0

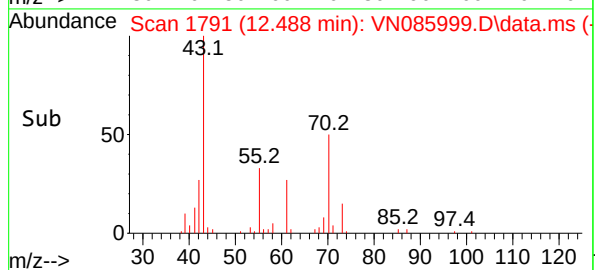
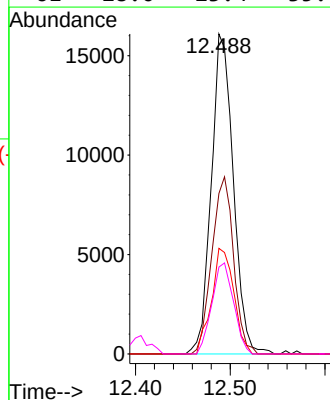
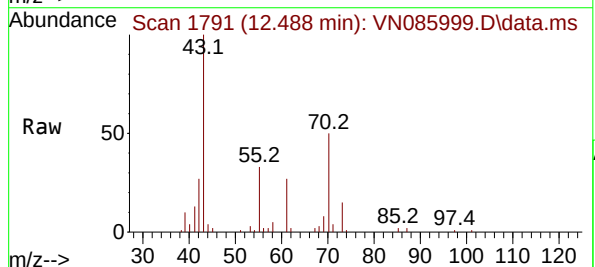
Manual Integrations
APPROVED

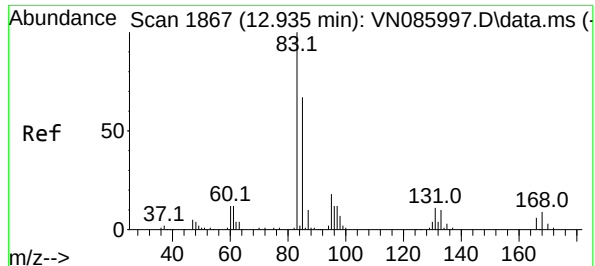
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#74
N-ethyl acetate
Concen: 10.090 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 43 Resp: 26009
Ion Ratio Lower Upper
43 100
70 54.7 43.0 64.4
55 33.3 23.8 35.8
61 28.0 23.4 35.0





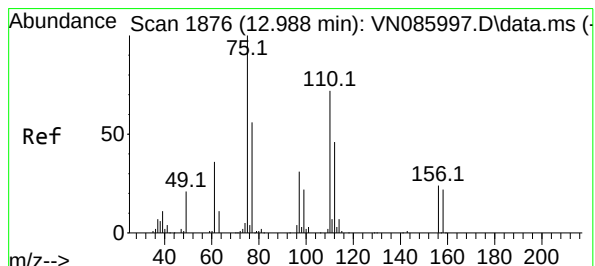
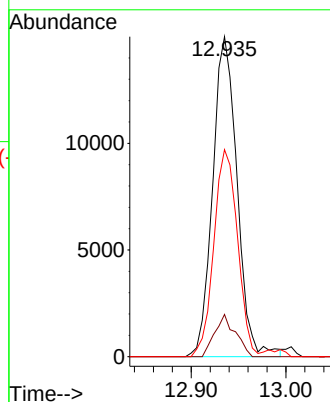
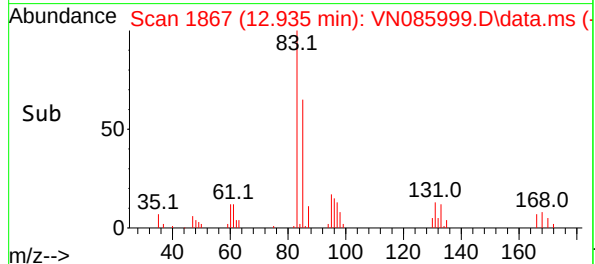
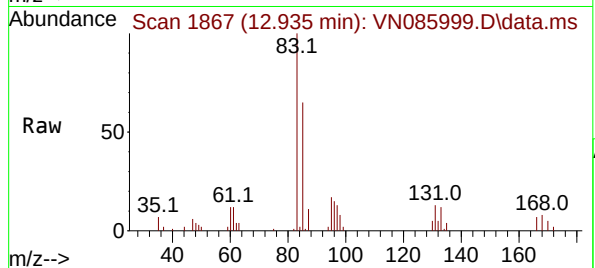
#75
1,1,2,2-Tetrachloroethane
Concen: 10.307 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 2686
Ion Ratio Lower Upper
83 100
131 11.1 5.5 16.5
85 63.0 32.6 97.8

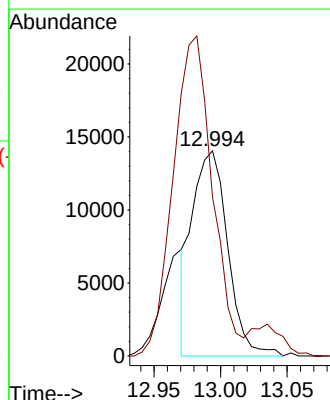
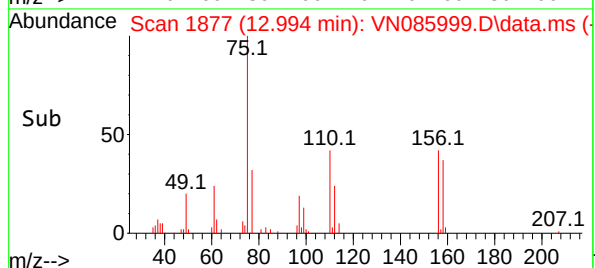
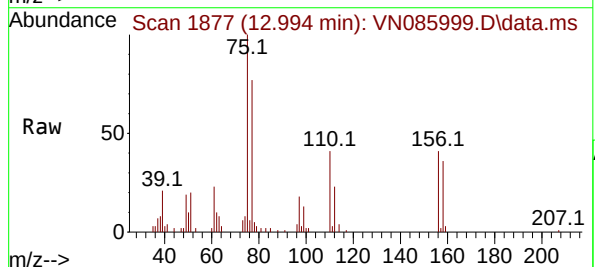
Manual Integrations
APPROVED

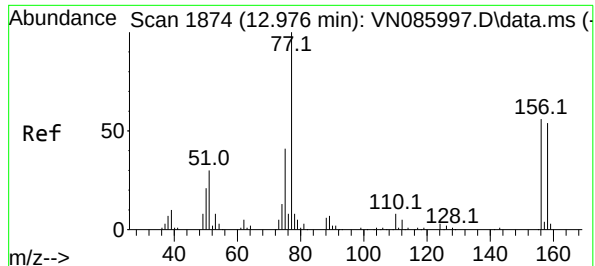
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 10.117 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

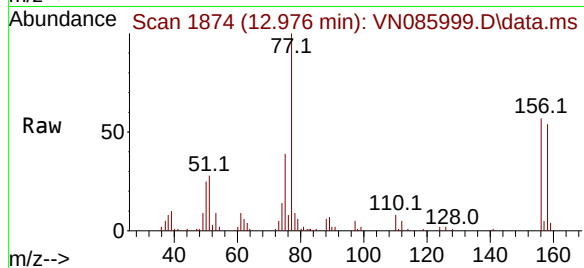
Tgt Ion: 75 Resp: 26024
Ion Ratio Lower Upper
75 100
77 172.7 83.7 251.0





#77
Bromobenzene
Concen: 10.150 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

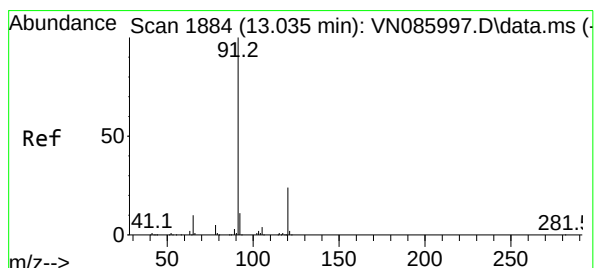
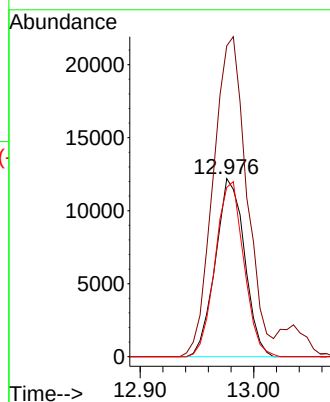
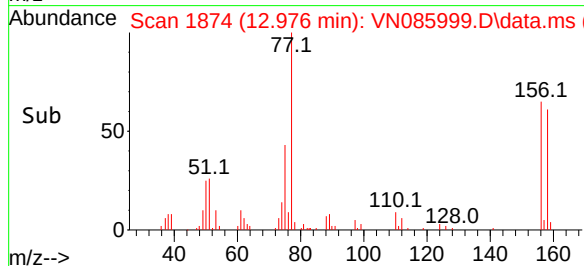
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:156 Resp: 2180
Ion Ratio Lower Upper
156 100
77 206.1 104.1 312.3
158 96.0 49.0 147.0

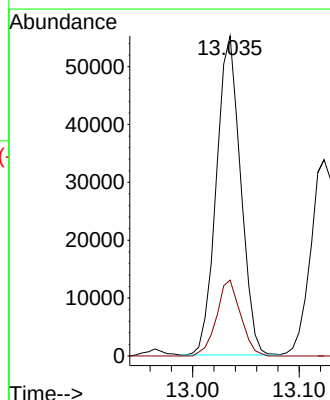
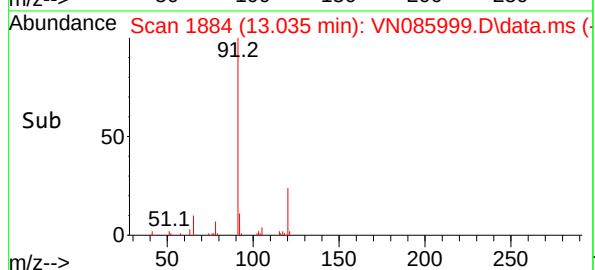
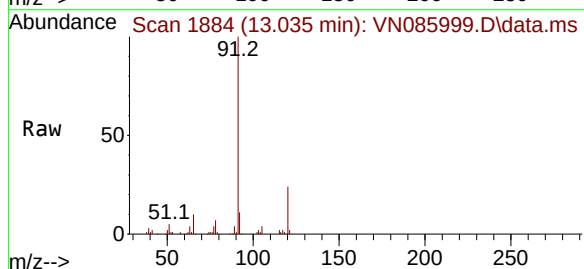
Manual Integrations
APPROVED

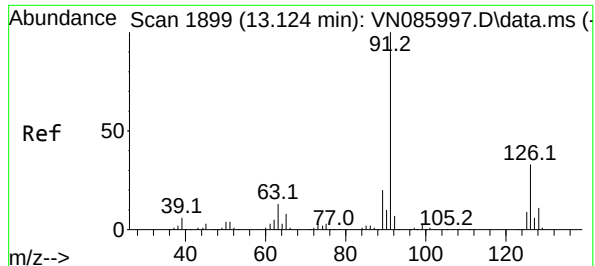
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#78
n-propylbenzene
Concen: 9.989 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 91 Resp: 87149
Ion Ratio Lower Upper
91 100
120 23.5 11.7 35.0





#79

2-Chlorotoluene

Concen: 10.075 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 5838

Ion Ratio Lower Upper

91 100

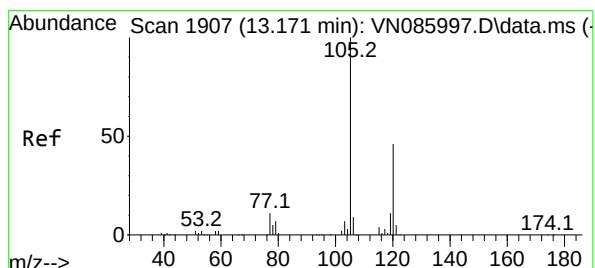
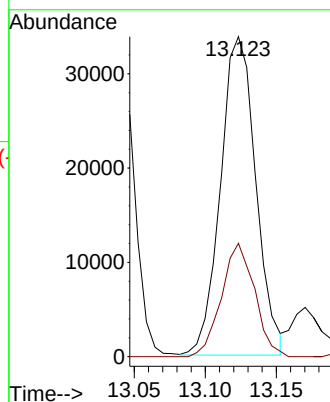
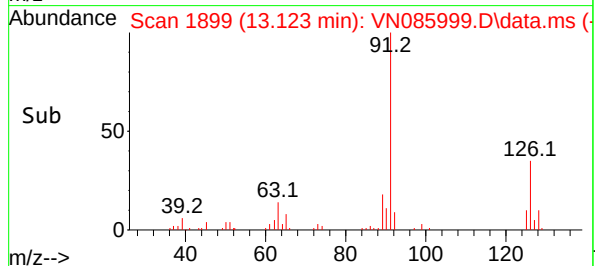
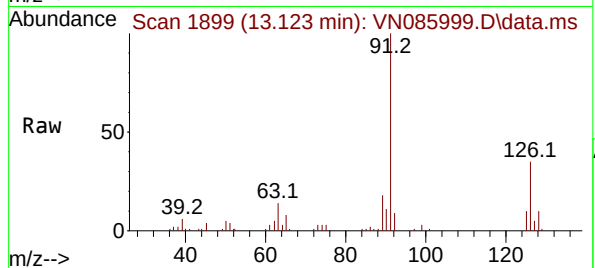
126 33.4 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 10.071 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085999.D

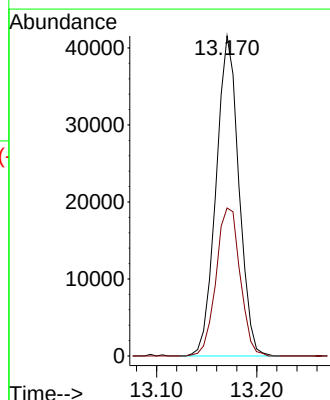
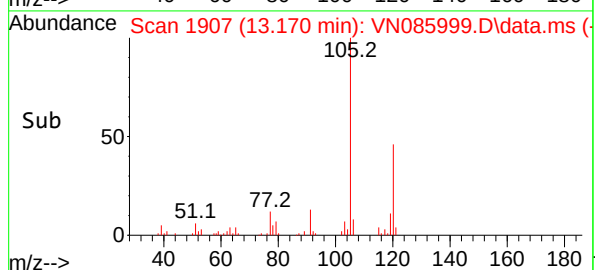
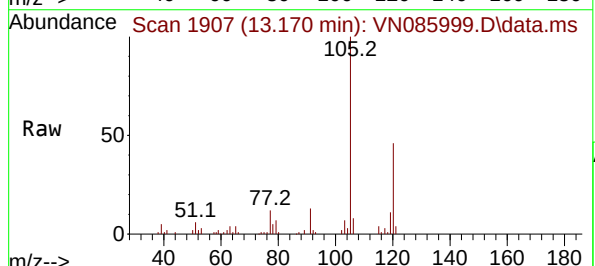
Acq: 18 Mar 2025 12:57

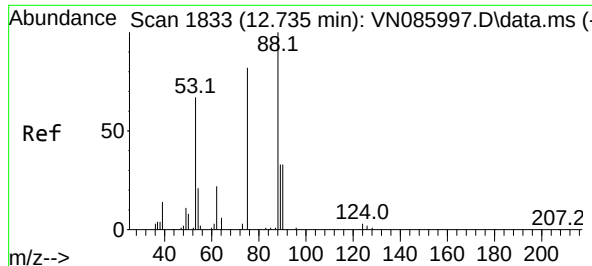
Tgt Ion:105 Resp: 65511

Ion Ratio Lower Upper

105 100

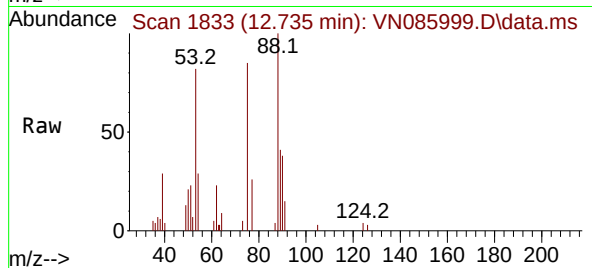
120 48.8 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 9.466 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

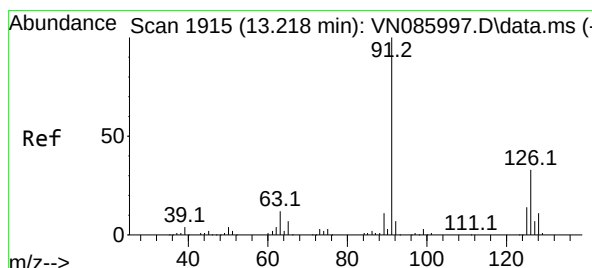
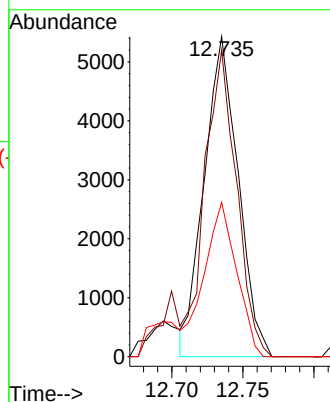
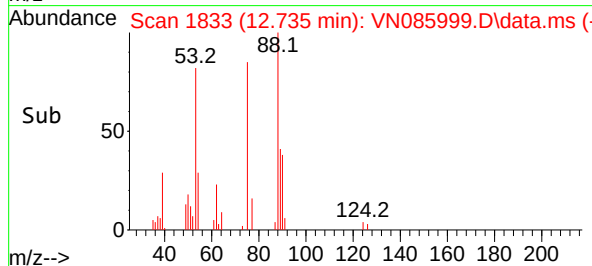
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 75 Resp: 9044
Ion Ratio Lower Upper
75 100
53 89.6 66.0 99.0
89 46.4 36.9 55.3

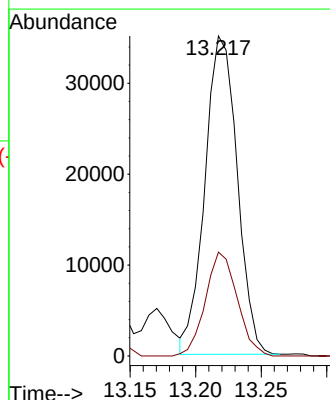
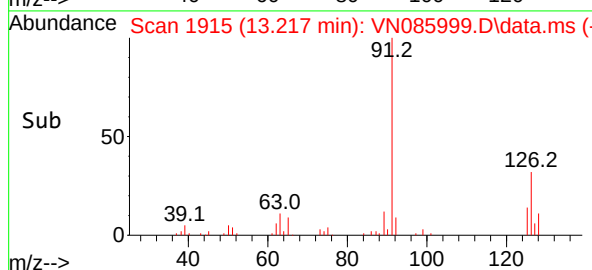
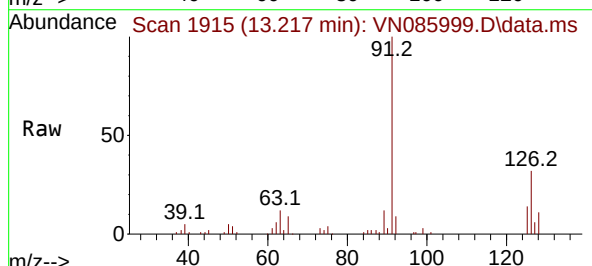
Manual Integrations
APPROVED

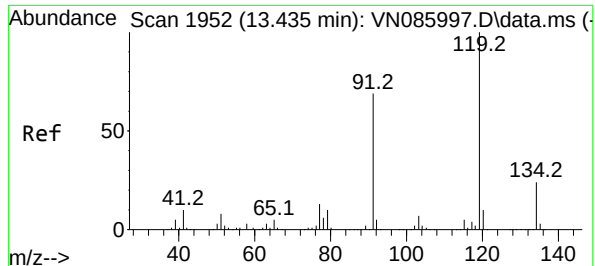
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 10.077 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 91 Resp: 60050
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.2





#83

tert-Butylbenzene

Concen: 10.208 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

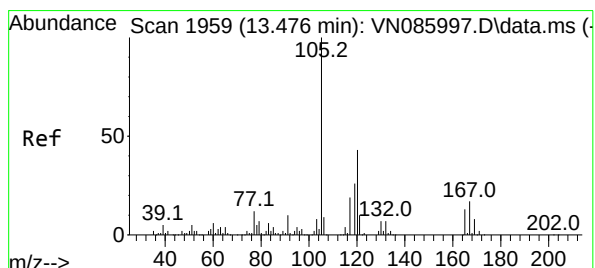
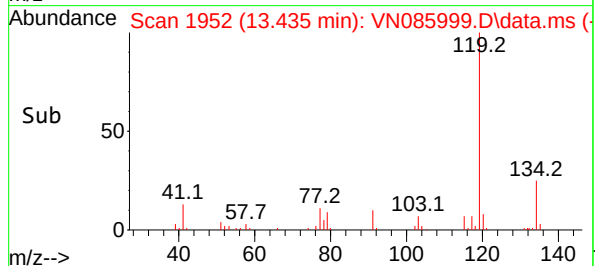
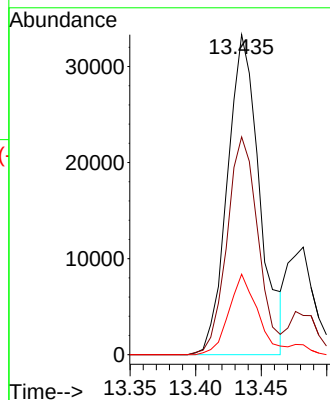
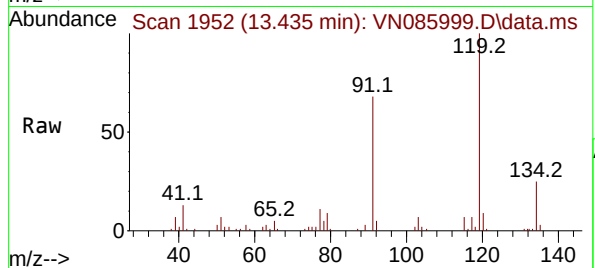
VSTDIC010

Tgt Ion:119	Resp: 5679
Ion Ratio	Lower Upper
119	100
91	66.1 34.3 102.9
134	22.9 13.5 40.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 10.124 ug/l

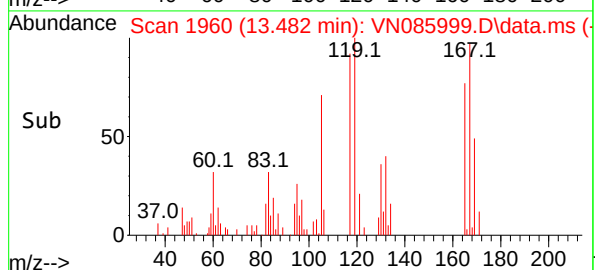
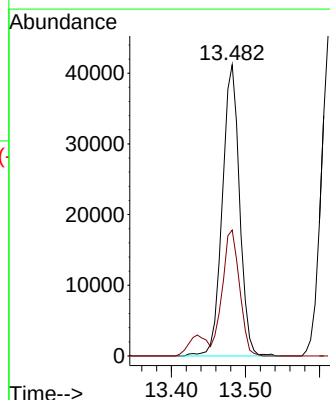
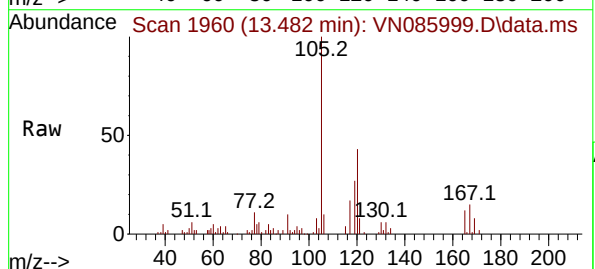
RT: 13.482 min Scan# 1960

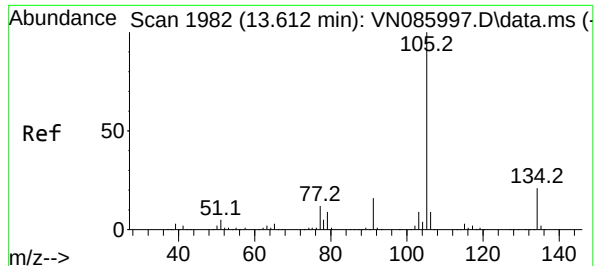
Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

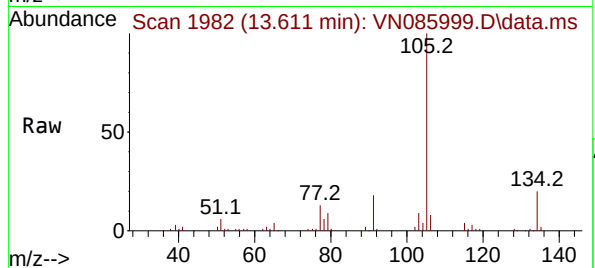
Tgt Ion:105	Resp: 66424
Ion Ratio	Lower Upper
105	100
120	43.2 21.9 65.8





#85
sec-Butylbenzene
Concen: 10.096 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

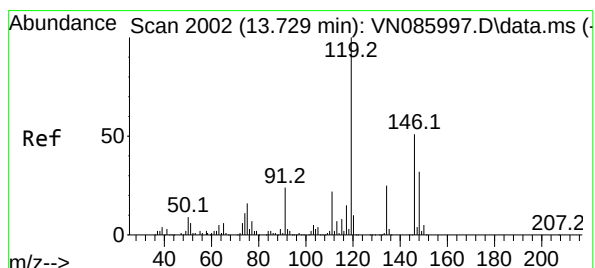
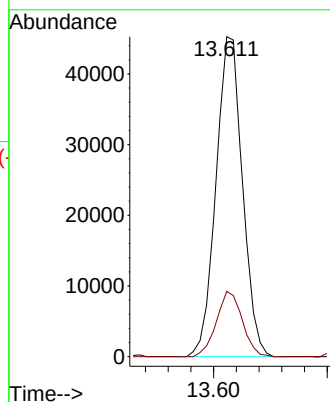
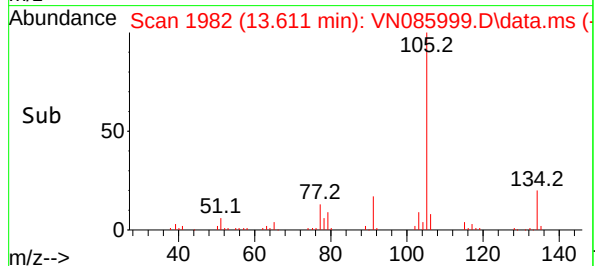
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 7327
Ion Ratio Lower Upper
105 100
134 20.0 10.1 30.1

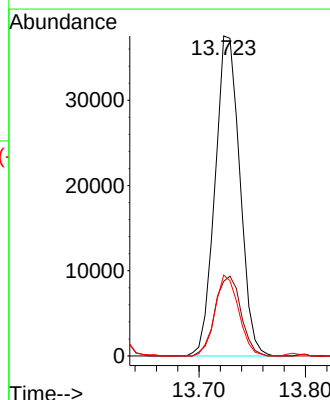
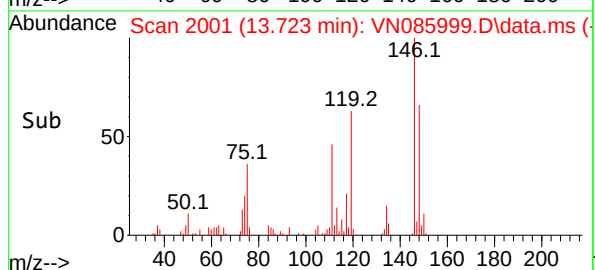
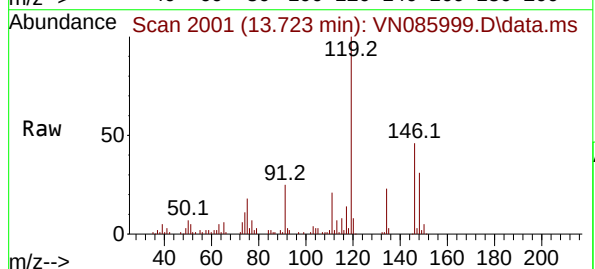
Manual Integrations
APPROVED

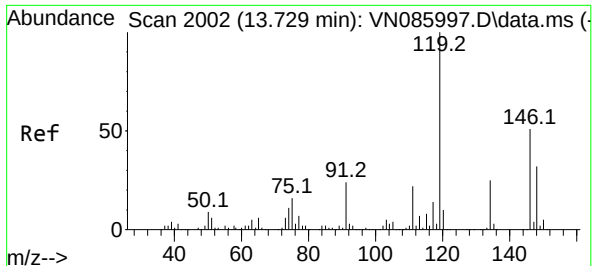
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#86
p-Isopropyltoluene
Concen: 9.874 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion:119 Resp: 60661
Ion Ratio Lower Upper
119 100
134 26.0 12.6 37.8
91 24.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 10.194 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

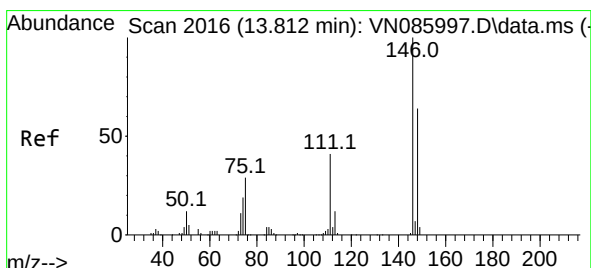
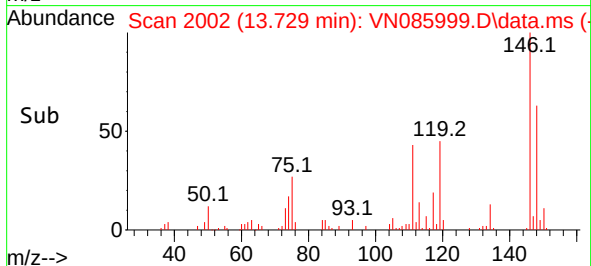
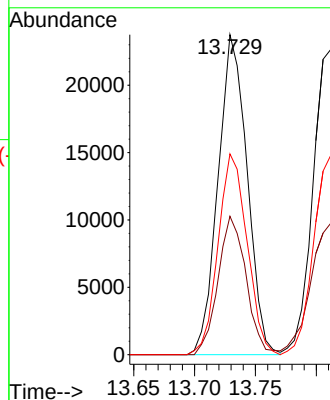
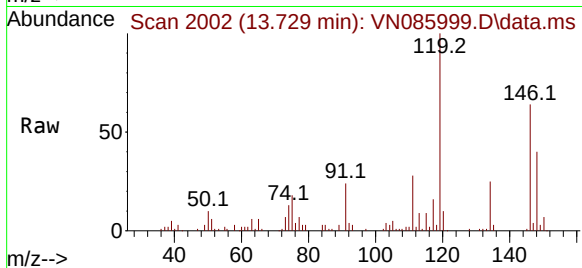
Tgt Ion:	146	Resp:	39474
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.2	63.6
148	62.6	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 9.737 ug/l

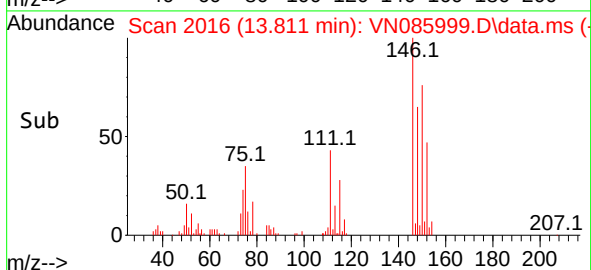
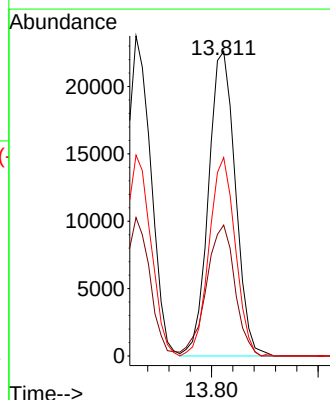
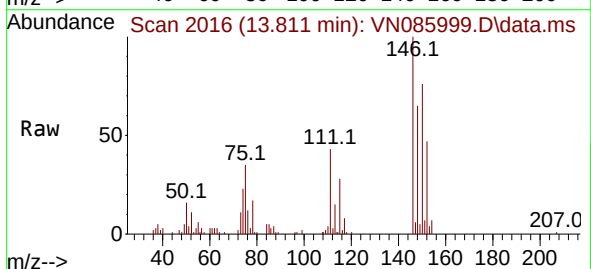
RT: 13.811 min Scan# 2016

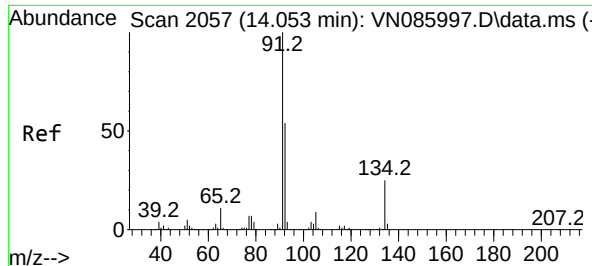
Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:	146	Resp:	39616
Ion Ratio	Lower	Upper	
146	100		
111	45.3	20.4	61.3
148	63.4	32.1	96.5





#89

n-Butylbenzene

Concen: 9.376 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

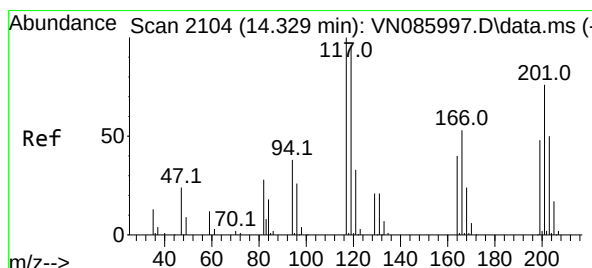
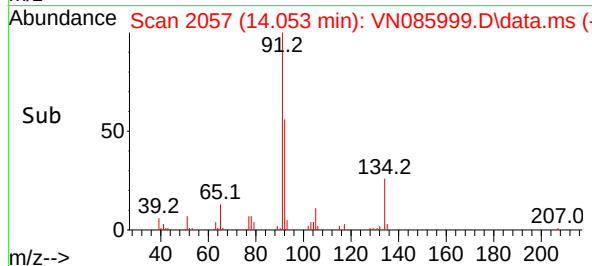
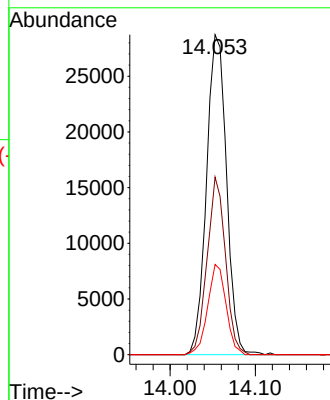
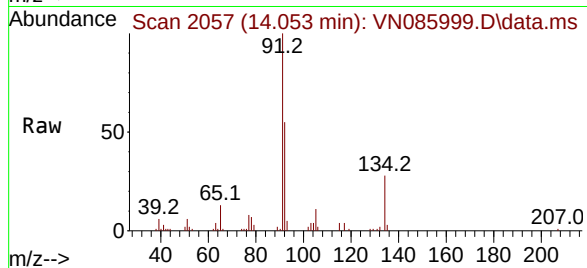
Tgt Ion:	91	Resp:	46910
Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.9	80.6
134	25.9	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 9.464 ug/l

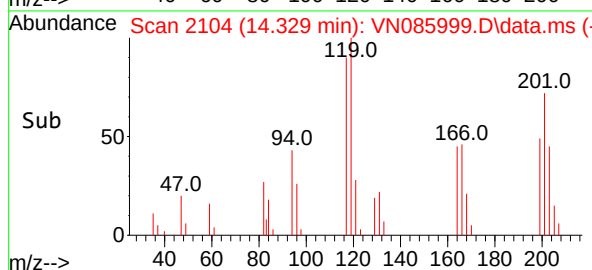
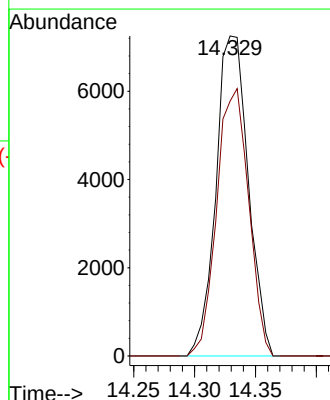
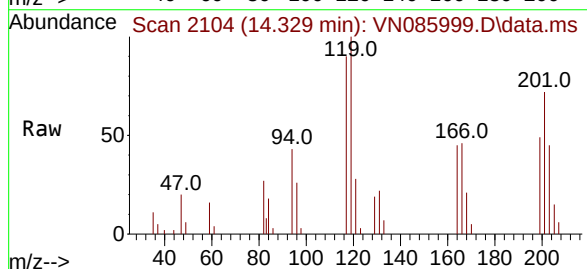
RT: 14.329 min Scan# 2104

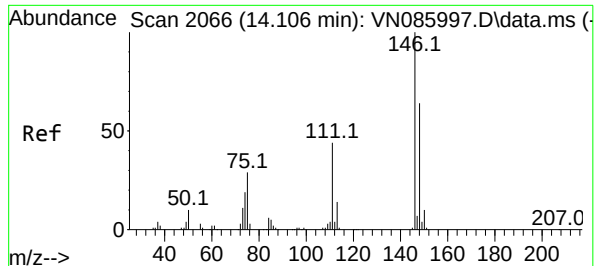
Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:	117	Resp:	13417
Ion	Ratio	Lower	Upper
117	100		
201	82.2	39.1	117.3





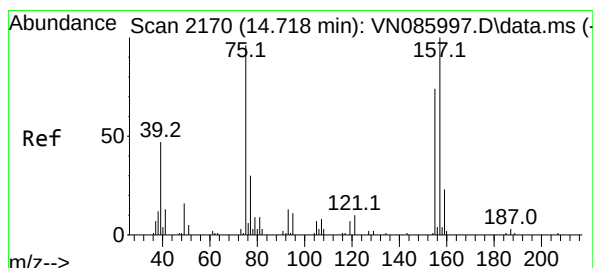
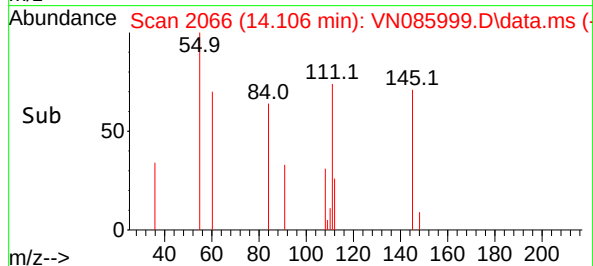
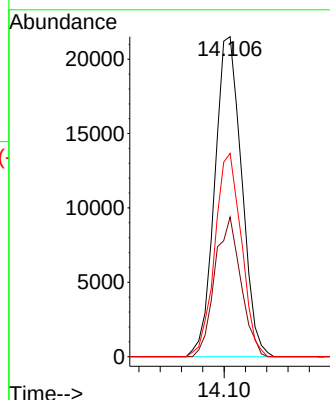
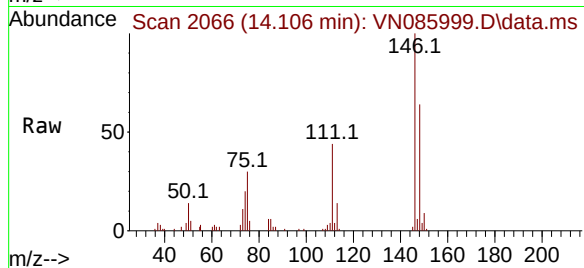
#91
1,2-Dichlorobenzene
Concen: 9.805 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:	146	Resp:	3774
Ion Ratio	Lower	Upper	
146	100		
111	42.1	22.3	66.8
148	62.6	32.1	96.5

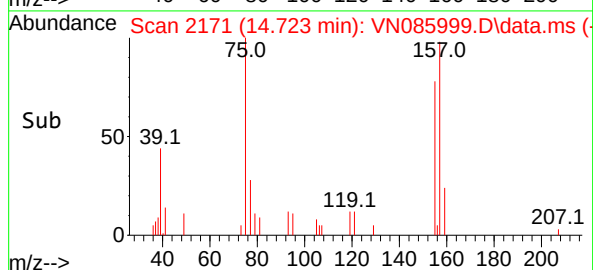
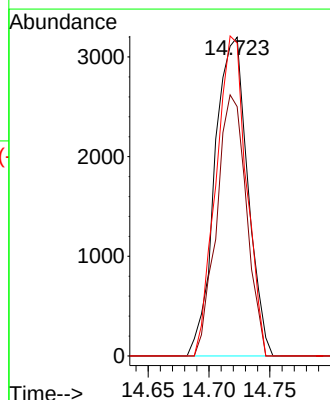
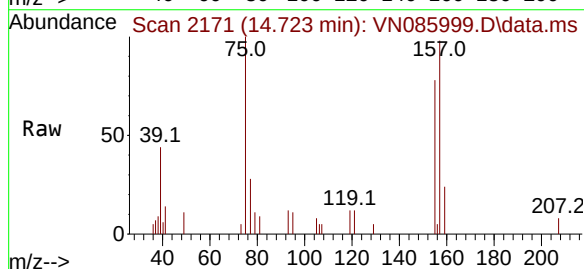
Manual Integrations
APPROVED

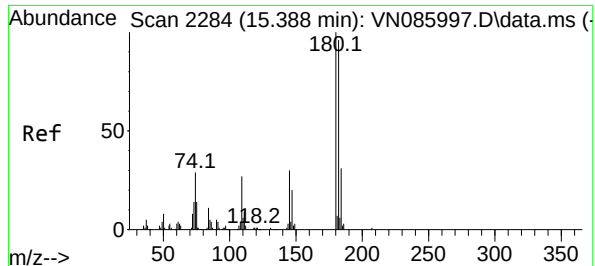
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 11.520 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion:	75	Resp:	5994
Ion Ratio	Lower	Upper	
75	100		
155	74.4	41.0	123.0
157	92.8	53.7	161.1





#93

1,2,4-Trichlorobenzene

Concen: 9.497 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:180 Resp: 1838

Ion Ratio Lower Upper

180 100

182 94.9 47.0 141.0

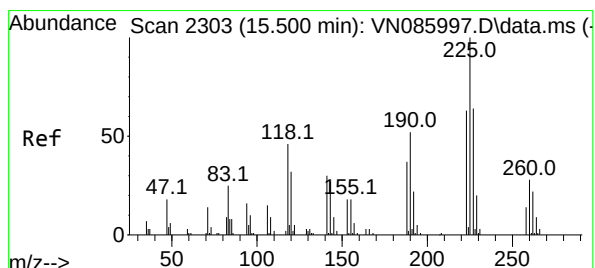
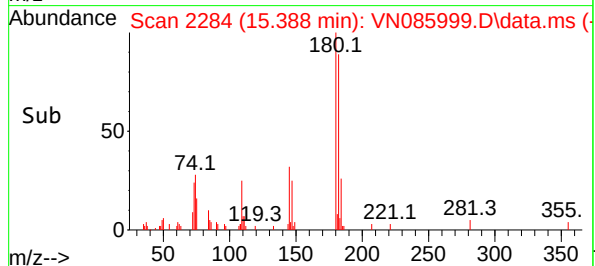
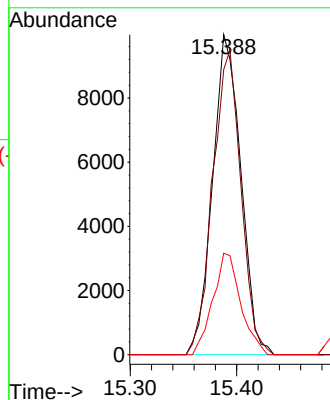
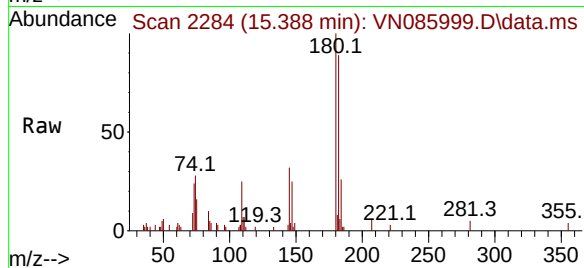
145 31.2 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 10.056 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

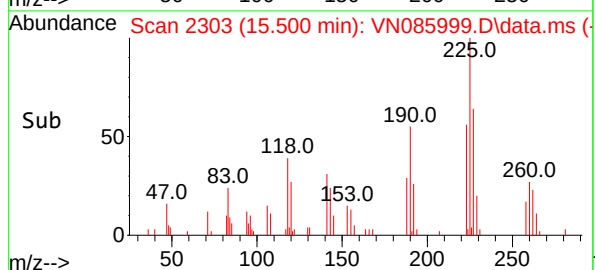
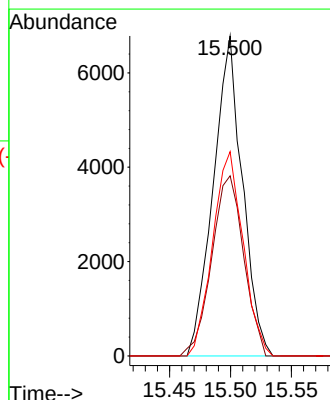
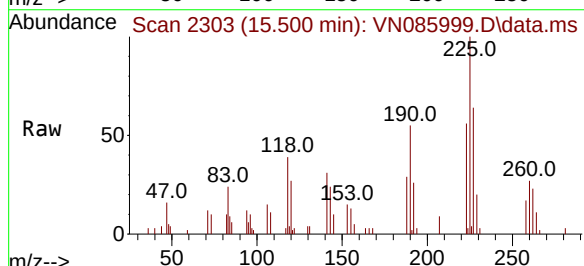
Tgt Ion:225 Resp: 11293

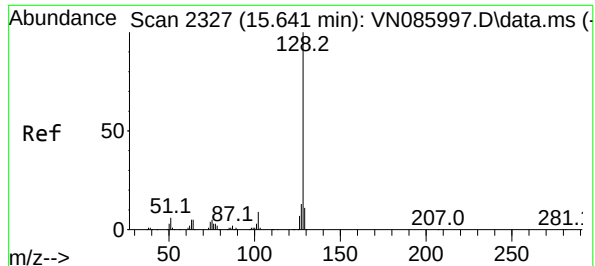
Ion Ratio Lower Upper

225 100

223 61.8 31.3 93.9

227 66.7 32.1 96.3





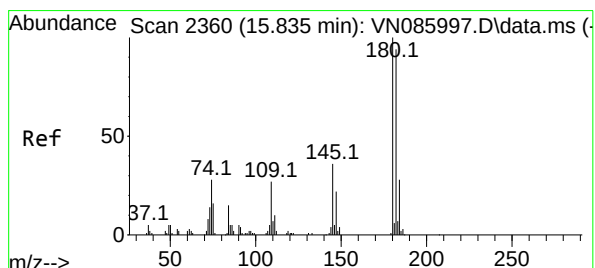
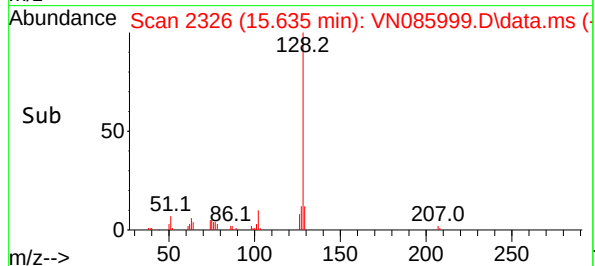
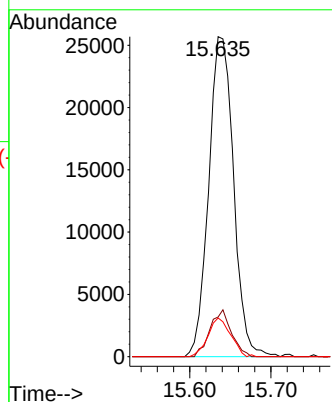
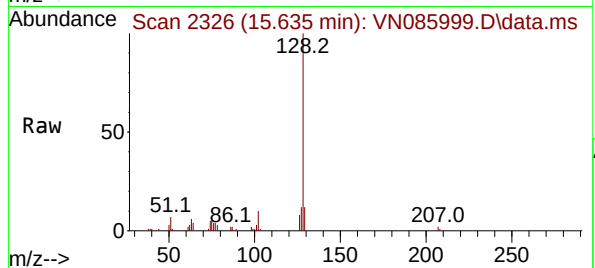
#95
Naphthalene
Concen: 9.754 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 54670
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.0 9.0 13.6

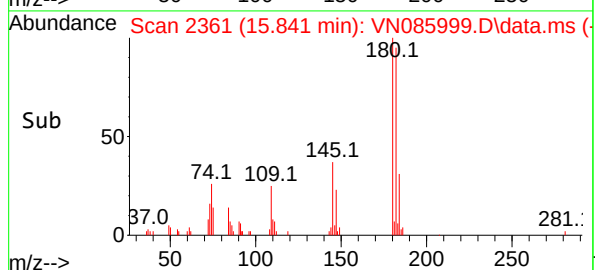
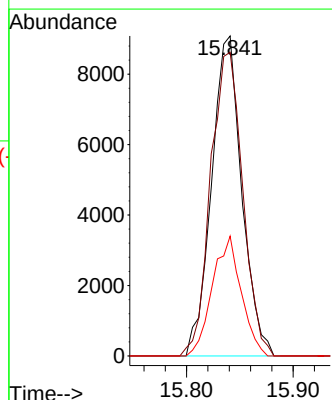
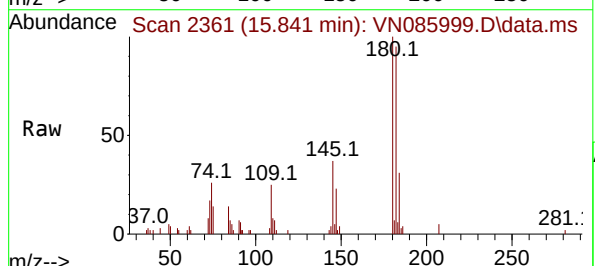
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.753 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion:180 Resp: 17914
Ion Ratio Lower Upper
180 100
182 100.4 47.5 142.5
145 35.6 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086000.D
 Acq On : 18 Mar 2025 13:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	163796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	12074	5.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.760%#		
35) Dibromofluoromethane	8.165	113	9983	5.274	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.540%#		
50) Toluene-d8	10.565	98	32999	4.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.600%#		
62) 4-Bromofluorobenzene	12.847	95	10615	4.332	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	8.660%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	11420	5.263	ug/l	92
3) Chloromethane	2.359	50	10021	5.268	ug/l	99
4) Vinyl Chloride	2.506	62	10389	5.341	ug/l	100
5) Bromomethane	2.942	94	7641	5.767	ug/l	94
6) Chloroethane	3.106	64	6607	5.384	ug/l	94
7) Trichlorofluoromethane	3.489	101	18136	5.187	ug/l	94
8) Diethyl Ether	3.965	74	5061	4.728	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	9669	5.203	ug/l	97
10) Methyl Iodide	4.589	142	12547	5.181	ug/l	94
11) Tert butyl alcohol	5.518	59	8843	27.847	ug/l #	93
12) 1,1-Dichloroethene	4.336	96	9006	5.367	ug/l	91
13) Acrolein	4.183	56	9429	27.839	ug/l	97
14) Allyl chloride	5.018	41	11201	5.350	ug/l	95
15) Acrylonitrile	5.724	53	22174	26.440	ug/l	98
16) Acetone	4.436	43	17456	25.474	ug/l	96
17) Carbon Disulfide	4.706	76	28904	5.237	ug/l	98
18) Methyl Acetate	5.024	43	8878	5.237	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	26823	4.878	ug/l	94
20) Methylene Chloride	5.277	84	10471	5.223	ug/l	86
21) trans-1,2-Dichloroethene	5.783	96	9241	5.039	ug/l	85
22) Diisopropyl ether	6.671	45	22716	5.092	ug/l	91
23) Vinyl Acetate	6.606	43	83783	24.772	ug/l	98
24) 1,1-Dichloroethane	6.571	63	16897	5.151	ug/l	99
25) 2-Butanone	7.482	43	26095	26.392	ug/l	96
26) 2,2-Dichloropropane	7.488	77	16658	5.274	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	10741	5.154	ug/l	98
28) Bromochloromethane	7.812	49	7039	5.064	ug/l #	99
29) Tetrahydrofuran	7.847	42	16104	26.382	ug/l	97
30) Chloroform	7.965	83	18814	5.188	ug/l	95
31) Cyclohexane	8.247	56	15682	5.611	ug/l	87
32) 1,1,1-Trichloroethane	8.165	97	17962	5.233	ug/l	92
36) 1,1-Dichloropropene	8.365	75	12303	4.936	ug/l	96
37) Ethyl Acetate	7.565	43	11164	5.309	ug/l	98
38) Carbon Tetrachloride	8.359	117	16628	5.074	ug/l	99
39) Methylcyclohexane	9.600	83	11562	4.675	ug/l #	86
40) Benzene	8.606	78	39414	5.037	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086000.D
 Acq On : 18 Mar 2025 13:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 19 02:30:27 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	5095	5.074	ug/l	94
42) 1,2-Dichloroethane	8.671	62	14311	5.249	ug/l	97
43) Isopropyl Acetate	8.688	43	22794	4.992	ug/l #	87
44) Trichloroethene	9.353	130	10304	5.081	ug/l	93
45) 1,2-Dichloropropane	9.618	63	9026	5.071	ug/l	100
46) Dibromomethane	9.706	93	7270	5.194	ug/l	95
47) Bromodichloromethane	9.888	83	15203	5.197	ug/l	93
48) Methyl methacrylate	9.682	41	6970	4.635	ug/l	95
49) 1,4-Dioxane	9.700	88	3831	107.772	ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	50081	24.920	ug/l	95
52) Toluene	10.629	92	23224	4.836	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	13594	4.785	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	14556	4.856	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	9178	5.007	ug/l	95
56) Ethyl methacrylate	10.870	69	11206	4.940	ug/l	93
57) 1,3-Dichloropropane	11.165	76	15126	4.858	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	25811	31.548	ug/l	100
59) 2-Hexanone	11.194	43	35455	24.217	ug/l	96
60) Dibromochloromethane	11.359	129	11813	4.994	ug/l	99
61) 1,2-Dibromoethane	11.465	107	9143	4.859	ug/l	90
64) Tetrachloroethene	11.106	164	9809	5.284	ug/l	93
65) Chlorobenzene	11.888	112	26908	5.053	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	10358	5.232	ug/l	96
67) Ethyl Benzene	11.965	91	40845	4.795	ug/l	99
68) m/p-Xylenes	12.065	106	30743	9.182	ug/l	98
69) o-Xylene	12.400	106	13604	4.427	ug/l	94
70) Styrene	12.406	104	24028	4.578	ug/l	99
71) Bromoform	12.570	173	8257	4.989	ug/l #	95
73) Isopropylbenzene	12.694	105	35476	4.780	ug/l	99
74) N-amyl acetate	12.494	43	11933	4.806	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	13700	5.457	ug/l	94
76) 1,2,3-Trichloropropane	12.988	75	13734m	5.543	ug/l	
77) Bromobenzene	12.976	156	10805	5.222	ug/l	94
78) n-propylbenzene	13.035	91	40052	4.766	ug/l	98
79) 2-Chlorotoluene	13.123	91	27970	5.011	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	28674	4.576	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	4314	4.688	ug/l	96
82) 4-Chlorotoluene	13.217	91	27891	4.859	ug/l	98
83) tert-Butylbenzene	13.435	119	24760	4.621	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	29165	4.615	ug/l	100
85) sec-Butylbenzene	13.617	105	32694	4.677	ug/l	97
86) p-Isopropyltoluene	13.729	119	26188	4.425	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	18666	5.004	ug/l	97
88) 1,4-Dichlorobenzene	13.806	146	20725	5.288	ug/l	96
89) n-Butylbenzene	14.059	91	21529	4.468	ug/l	96
90) Hexachloroethane	14.335	117	7037	5.154	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	18733	5.052	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	2714	5.415	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	9252	4.962	ug/l	95
94) Hexachlorobutadiene	15.500	225	5668	5.240	ug/l	97
95) Naphthalene	15.641	128	24023	4.450	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	8594	4.858	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

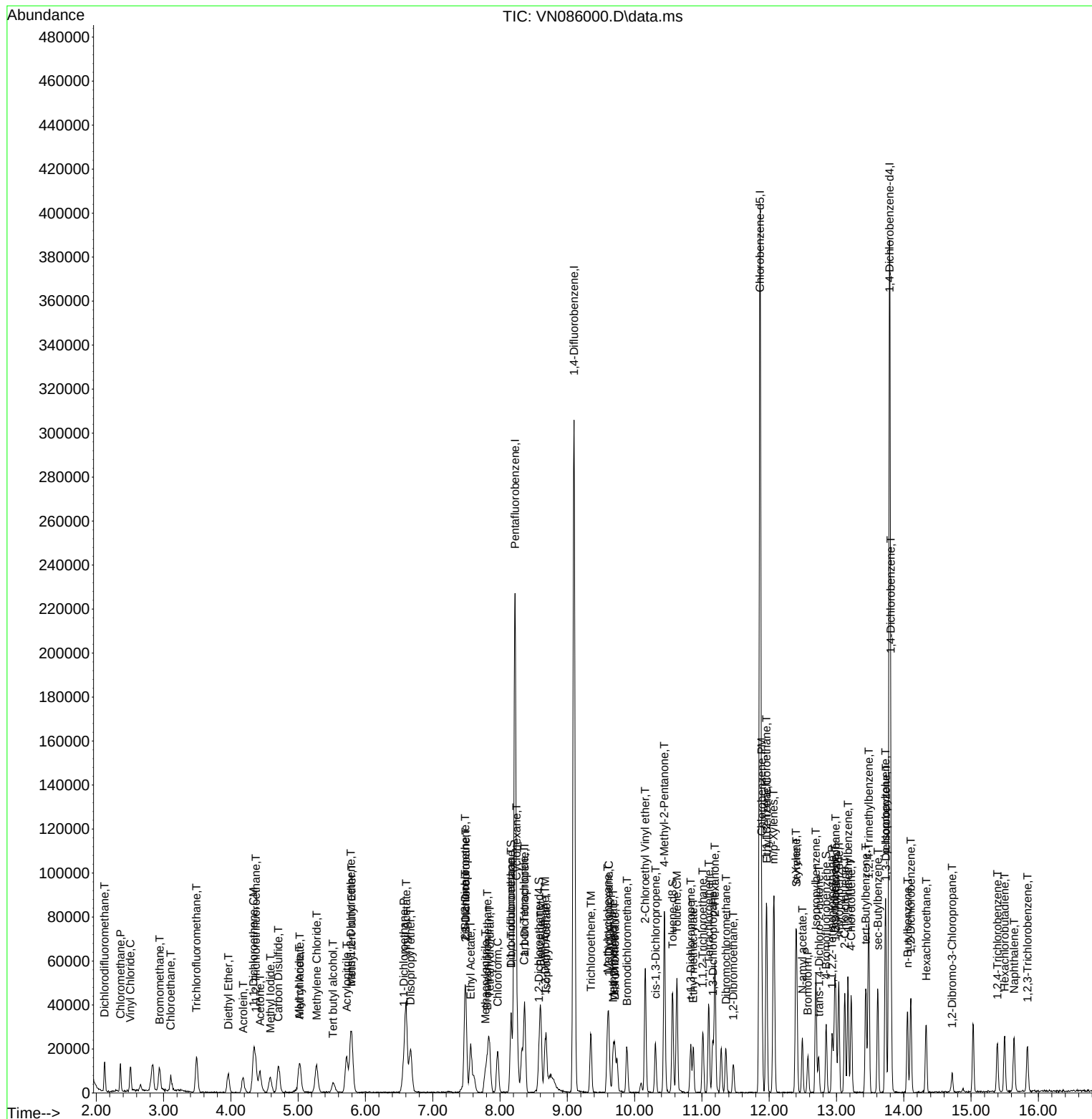
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

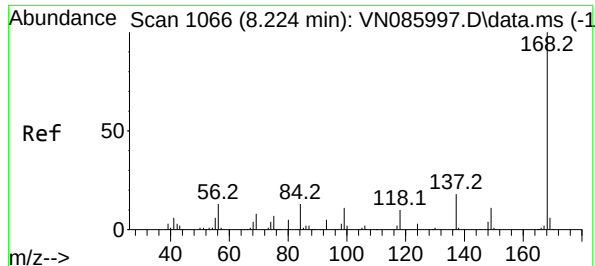
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

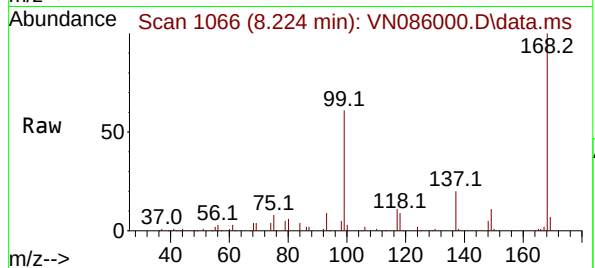
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

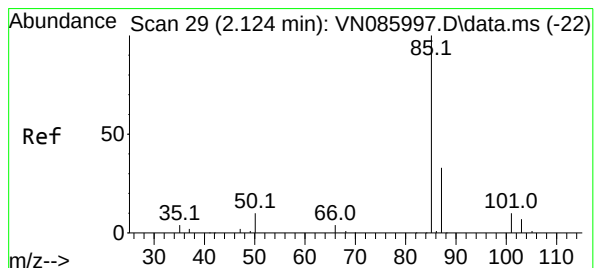
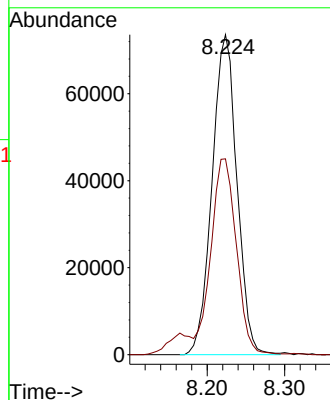
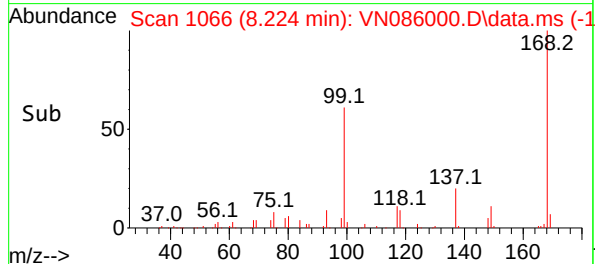
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:168 Resp: 163790
Ion Ratio Lower Upper
168 100
99 60.9 49.4 74.2

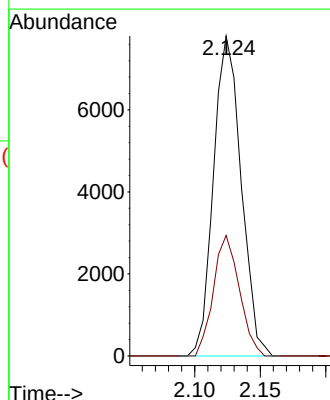
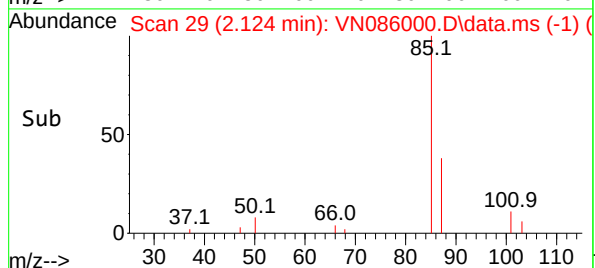
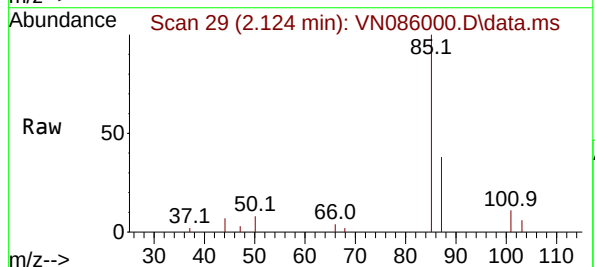
Manual Integrations
APPROVED

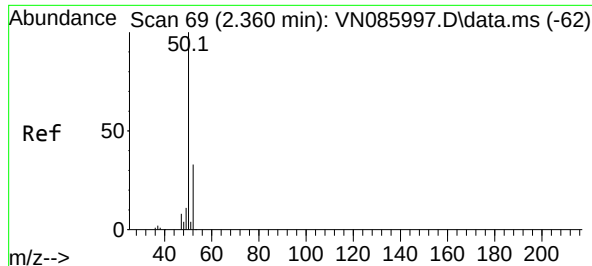
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 5.263 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

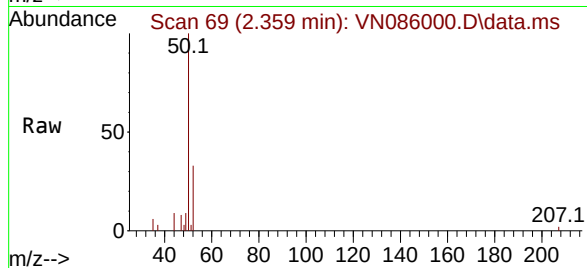
Tgt Ion: 85 Resp: 11420
Ion Ratio Lower Upper
85 100
87 37.7 16.5 49.5





#3
Chloromethane
Concen: 5.268 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

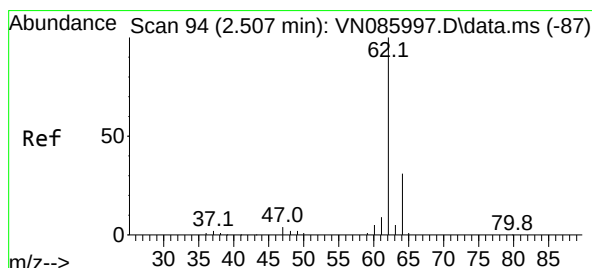
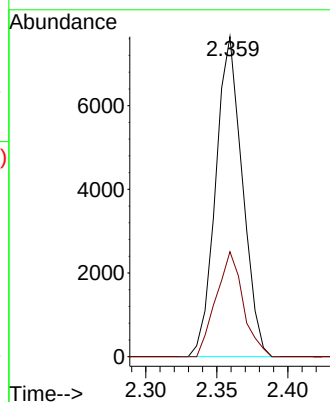
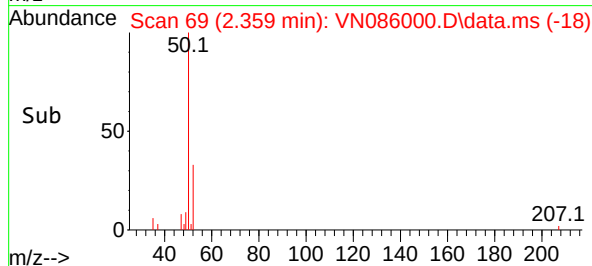
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 50 Resp: 1002
Ion Ratio Lower Upper
50 100
52 32.8 26.0 39.0

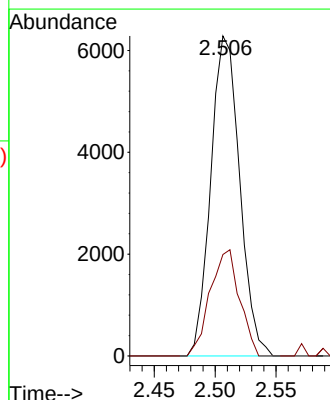
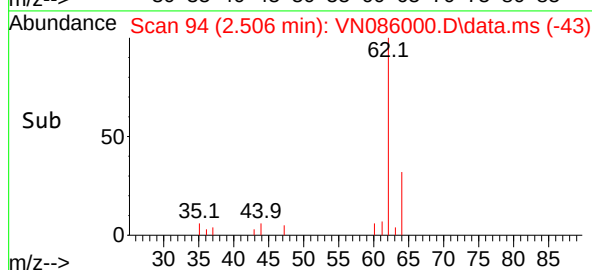
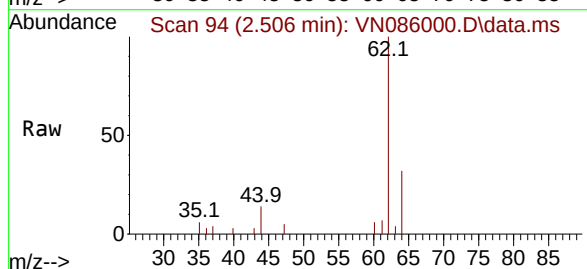
Manual Integrations
APPROVED

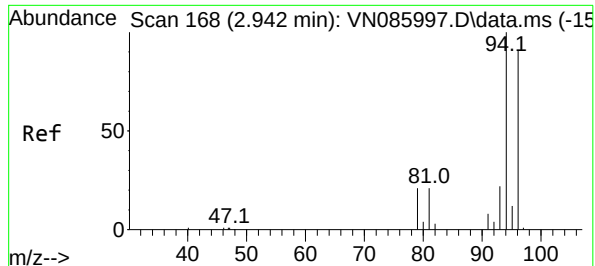
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 5.341 ug/l
RT: 2.506 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

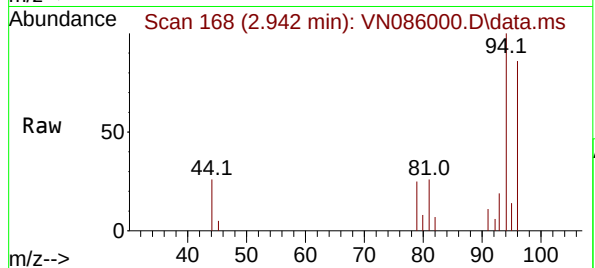
Tgt Ion: 62 Resp: 10389
Ion Ratio Lower Upper
62 100
64 31.7 25.2 37.8





#5
Bromomethane
Concen: 5.767 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

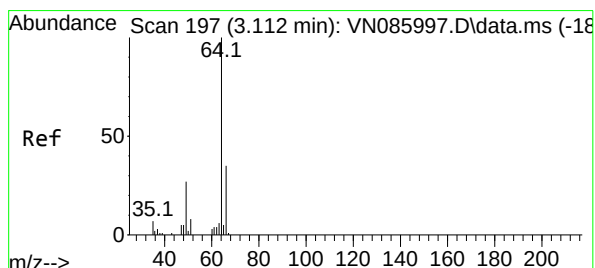
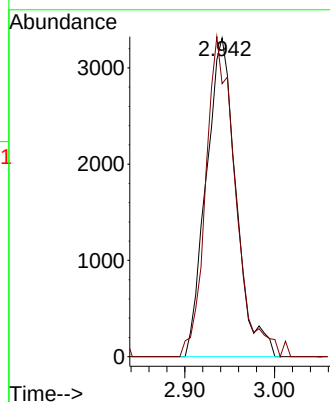
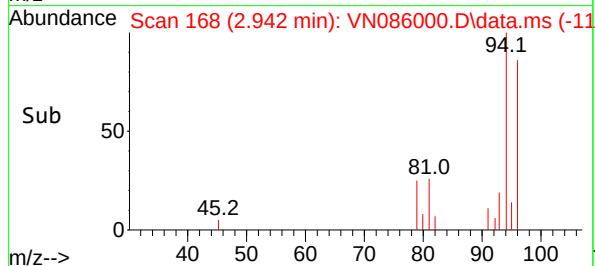
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 764
Ion Ratio Lower Upper
94 100
96 85.6 72.8 109.2

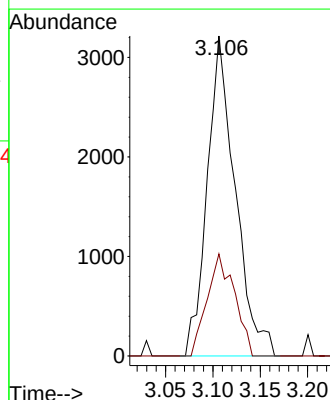
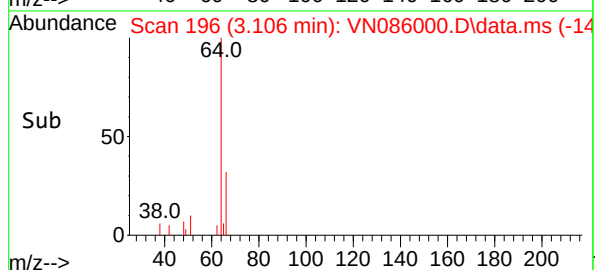
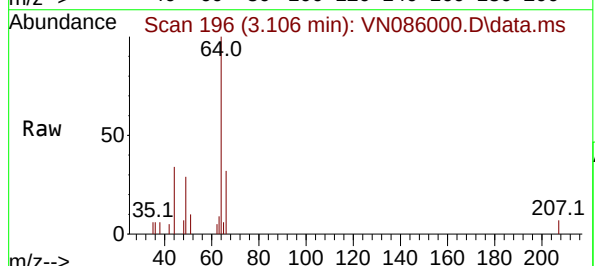
Manual Integrations
APPROVED

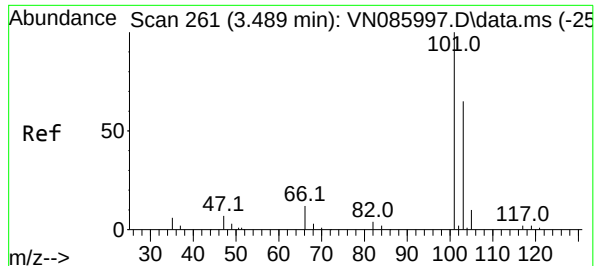
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#6
Chloroethane
Concen: 5.384 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

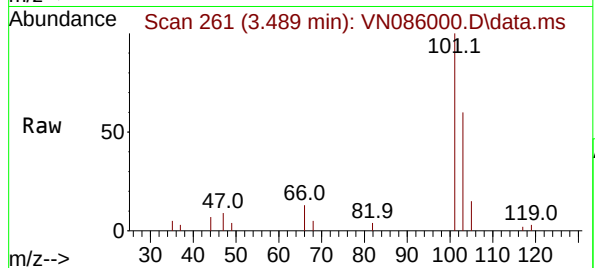
Tgt Ion: 64 Resp: 6607
Ion Ratio Lower Upper
64 100
66 31.9 28.3 42.5





#7
Trichlorofluoromethane
Concen: 5.187 ug/l
RT: 3.489 min Scan# 261
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

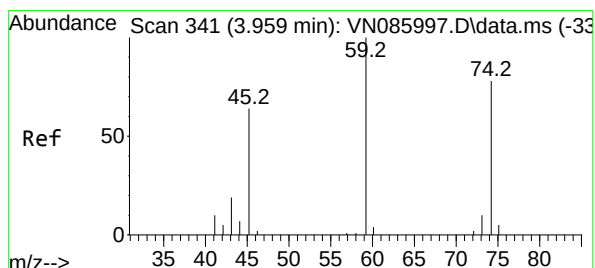
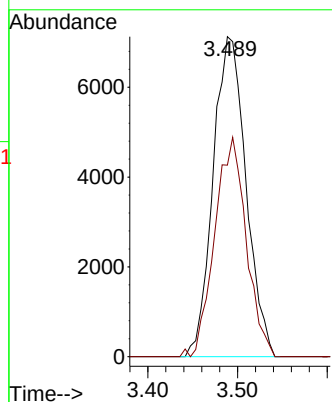
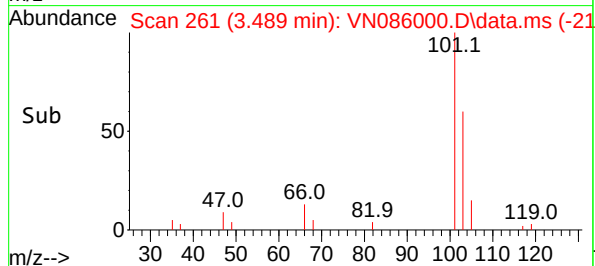
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:101 Resp: 18136
Ion Ratio Lower Upper
101 100
103 59.8 51.7 77.5

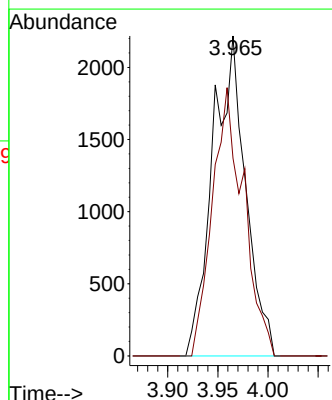
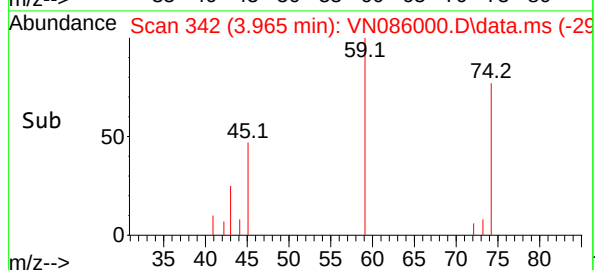
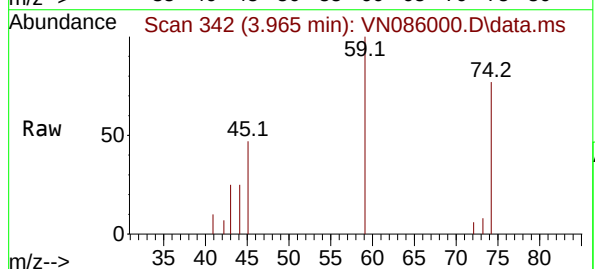
Manual Integrations
APPROVED

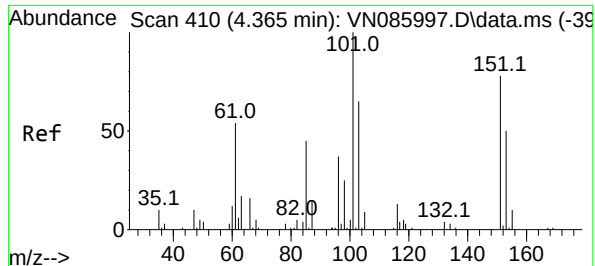
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 4.728 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 74 Resp: 5061
Ion Ratio Lower Upper
74 100
45 79.9 38.0 113.9





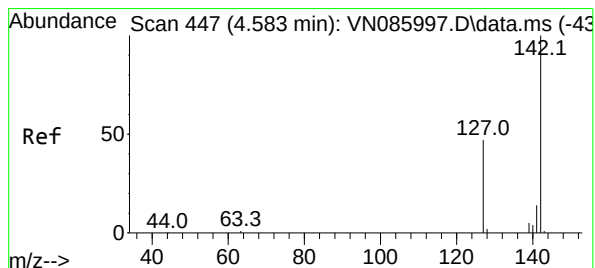
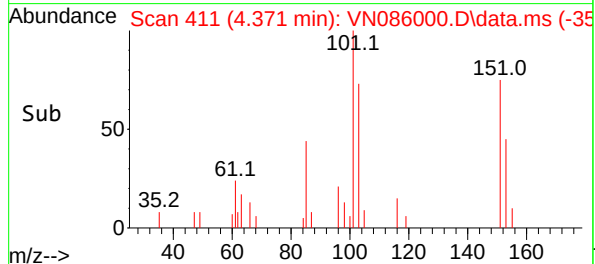
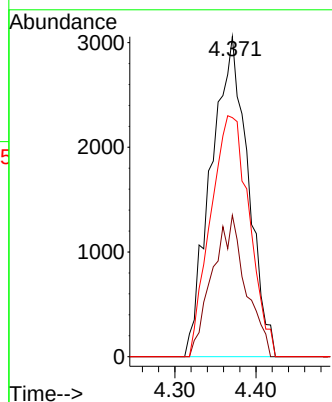
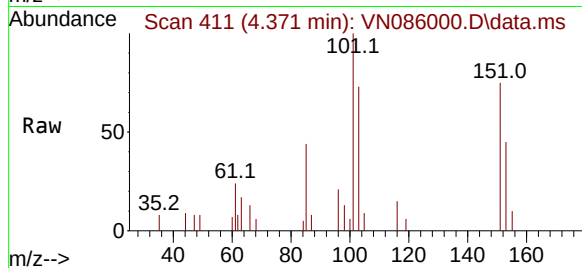
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.203 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 966
Ion Ratio Lower Upper
101 100
85 40.0 36.5 54.7
151 79.0 63.4 95.0

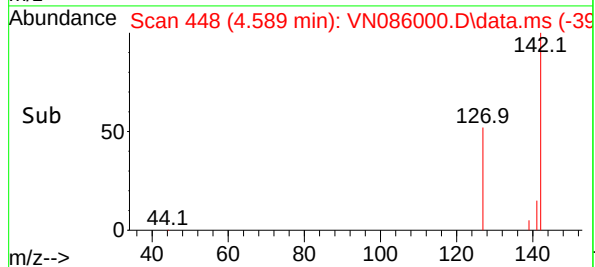
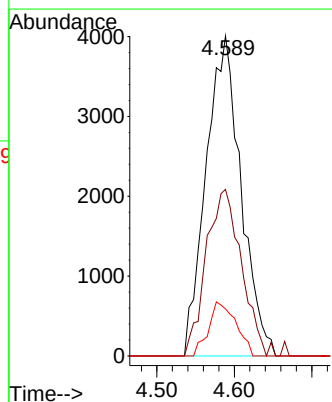
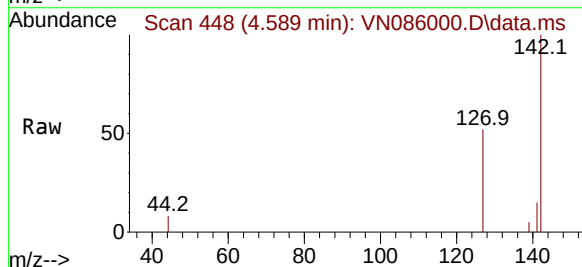
Manual Integrations
APPROVED

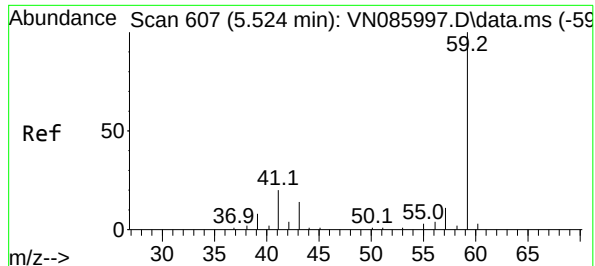
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#10
Methyl Iodide
Concen: 5.181 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion:142 Resp: 12547
Ion Ratio Lower Upper
142 100
127 52.0 37.5 56.3
141 14.7 11.0 16.6





#11

Tert butyl alcohol

Concen: 27.847 ug/l

RT: 5.518 min Scan# 607

Delta R.T. -0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 884

Ion Ratio Lower Upper

59 100

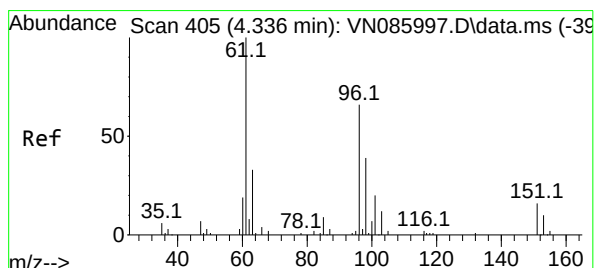
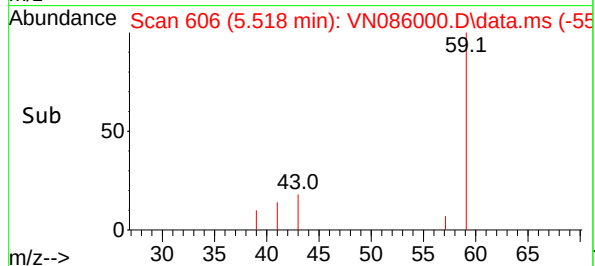
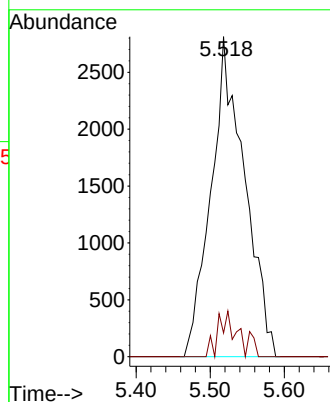
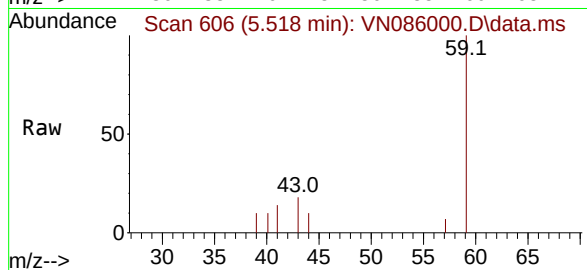
57 7.1 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#12

1,1-Dichloroethene

Concen: 5.367 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

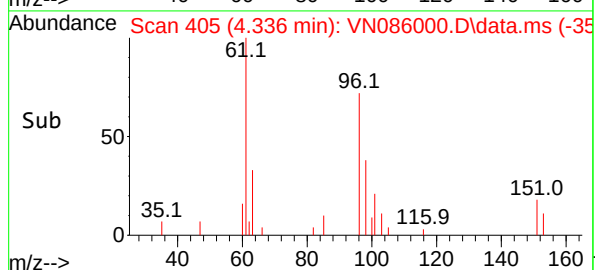
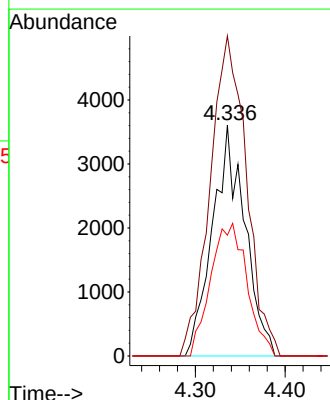
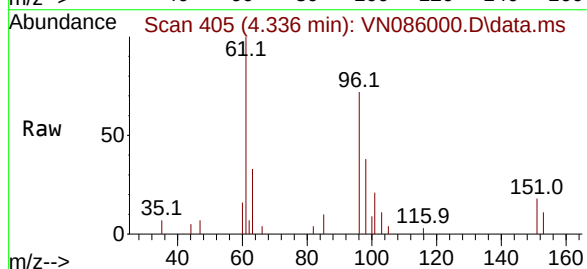
Tgt Ion: 96 Resp: 9006

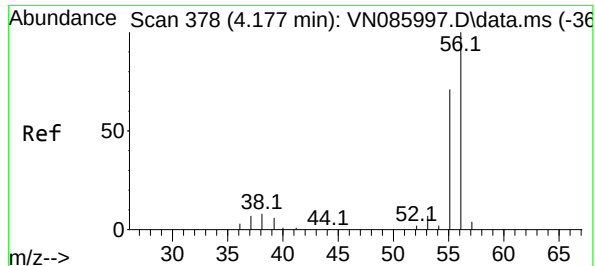
Ion Ratio Lower Upper

96 100

61 138.6 120.5 180.7

98 52.3 47.4 71.0





#13

Acrolein

Concen: 27.839 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 9429

Ion Ratio Lower Upper

56 100

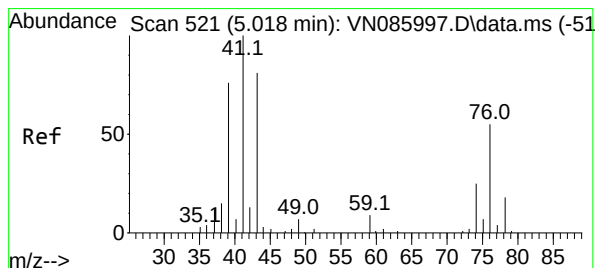
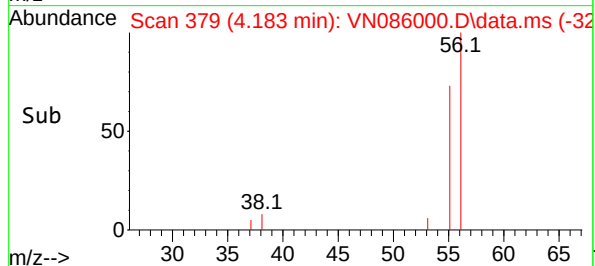
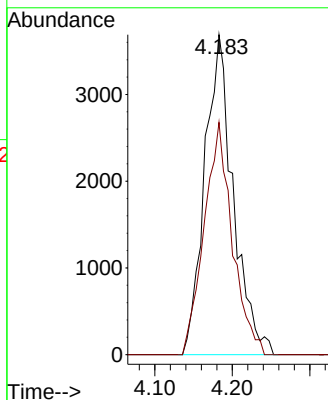
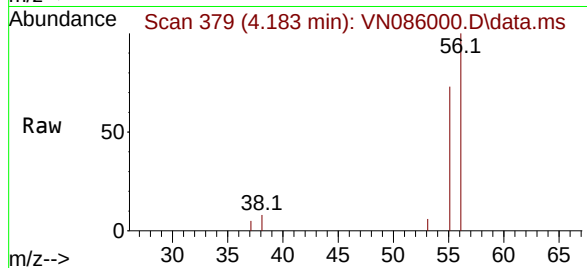
55 71.5 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 5.350 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

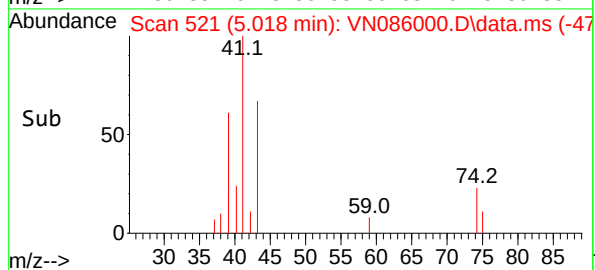
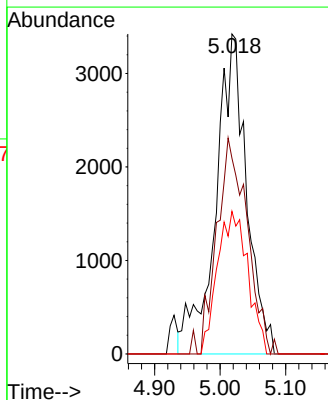
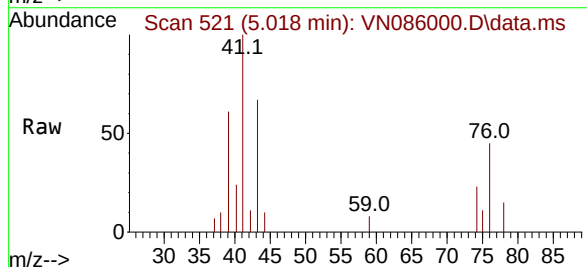
Tgt Ion: 41 Resp: 11201

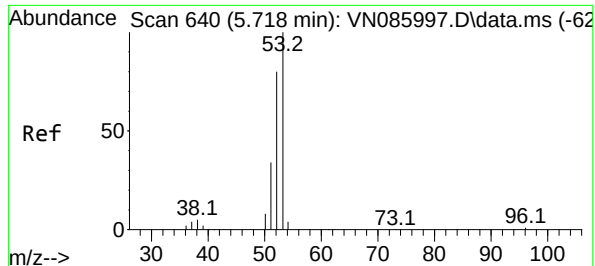
Ion Ratio Lower Upper

41 100

39 66.6 55.5 83.3

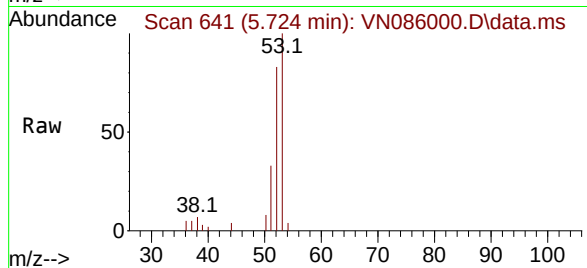
76 43.8 39.1 58.7





#15
Acrylonitrile
Concen: 26.440 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

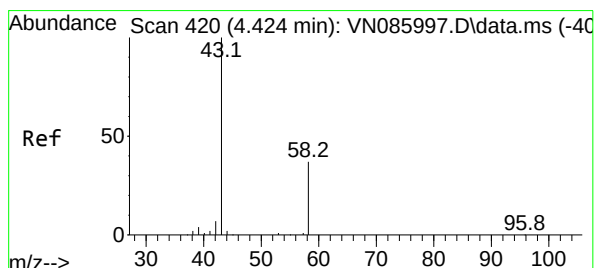
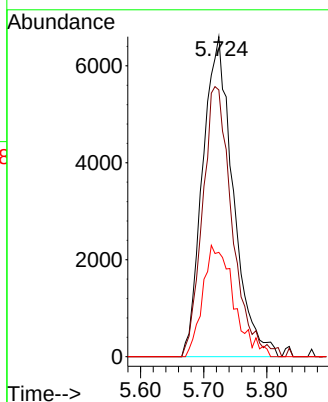
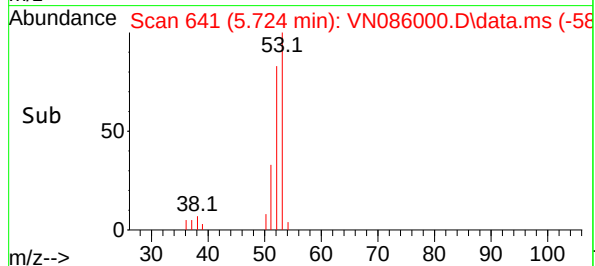
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 53 Resp: 22174
Ion Ratio Lower Upper
53 100
52 81.9 63.9 95.9
51 35.5 27.1 40.7

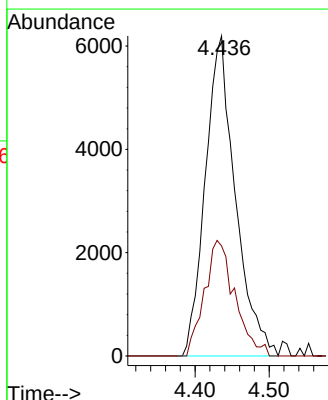
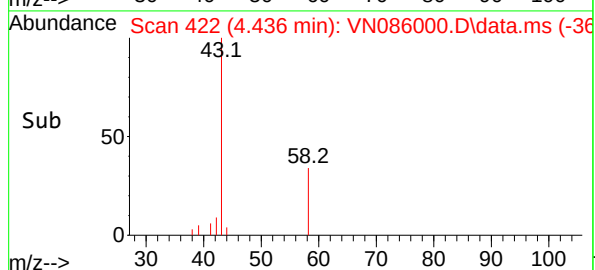
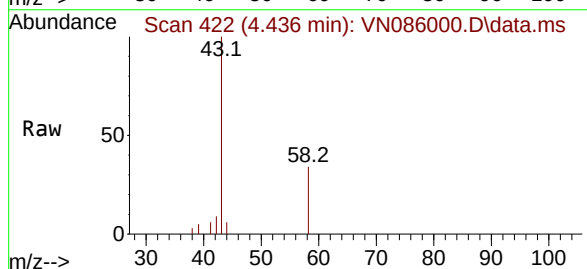
Manual Integrations
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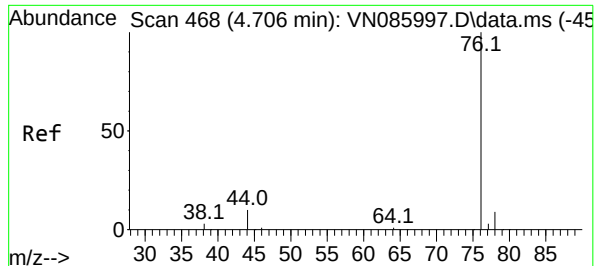
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#16
Acetone
Concen: 25.474 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.011 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 43 Resp: 17456
Ion Ratio Lower Upper
43 100
58 34.4 29.4 44.2





#17

Carbon Disulfide

Concen: 5.237 ug/l

RT: 4.706 min Scan# 4

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 28904

Ion Ratio Lower Upper

76 100

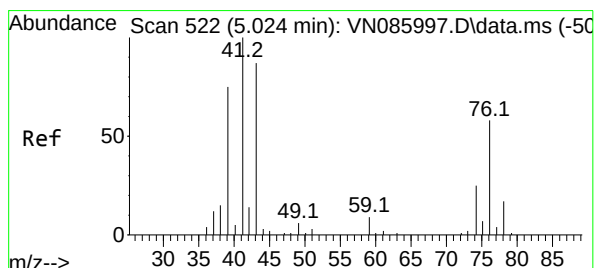
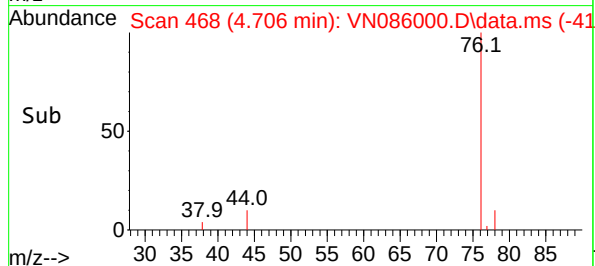
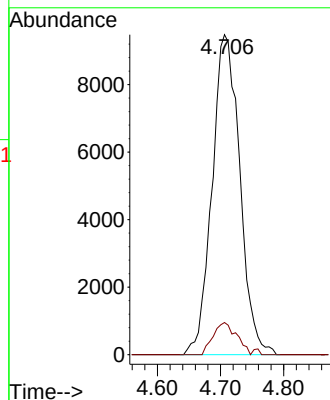
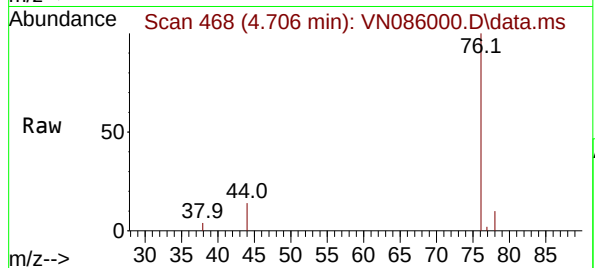
78 10.0 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#18

Methyl Acetate

Concen: 5.237 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.000 min

Lab File: VN086000.D

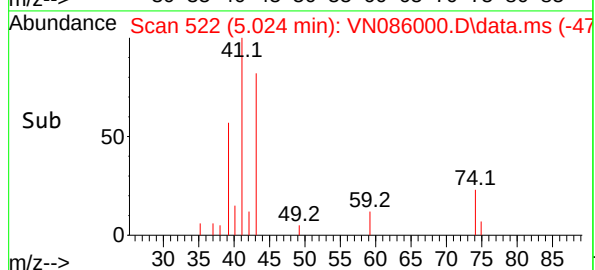
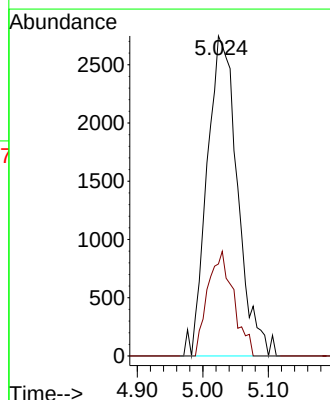
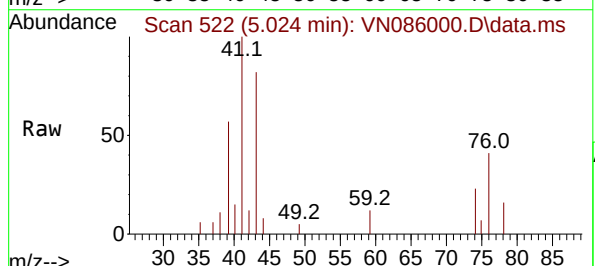
Acq: 18 Mar 2025 13:21

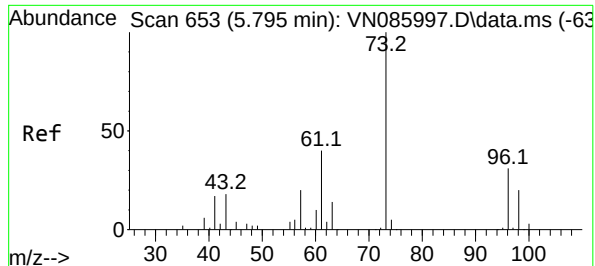
Tgt Ion: 43 Resp: 8878

Ion Ratio Lower Upper

43 100

74 27.6 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 4.878 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 2682

Ion Ratio Lower Upper

73 100

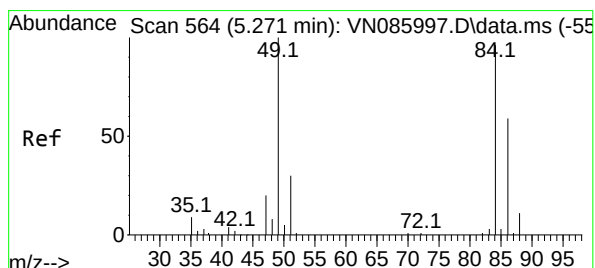
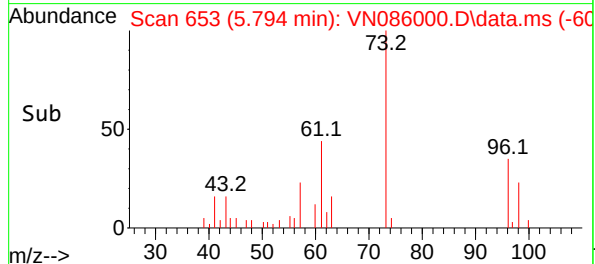
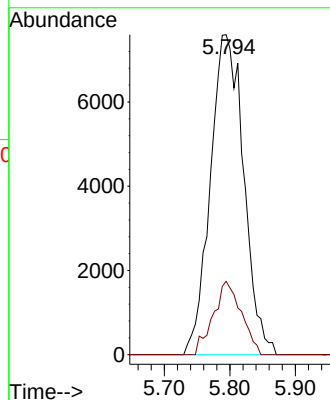
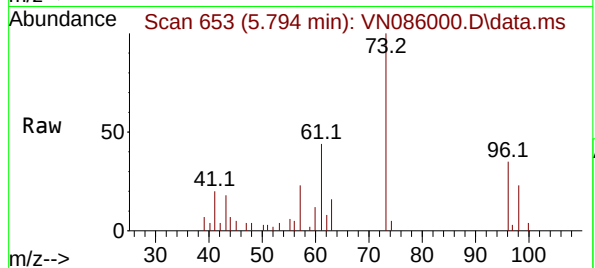
57 22.9 16.1 24.1

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 5.223 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion: 84 Resp: 10471

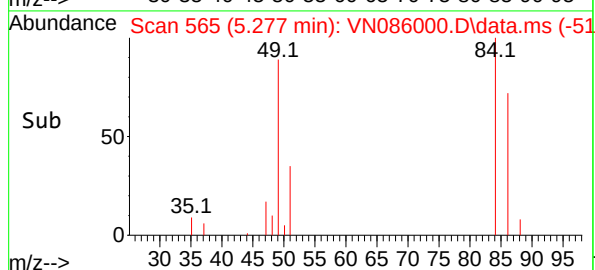
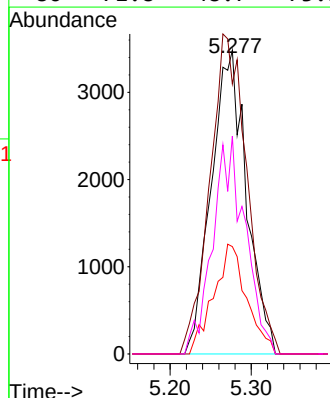
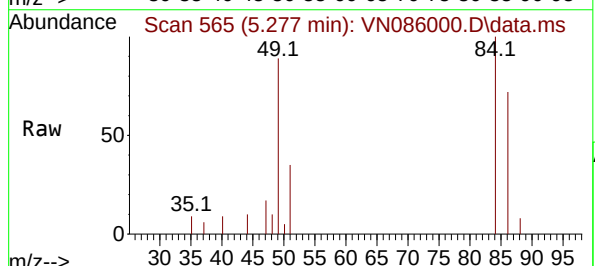
Ion Ratio Lower Upper

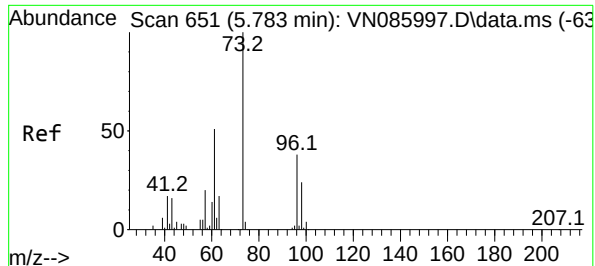
84 100

49 88.9 83.3 124.9

51 35.4 24.8 37.2

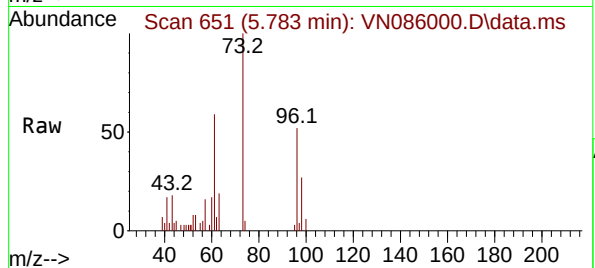
86 71.8 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 5.039 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

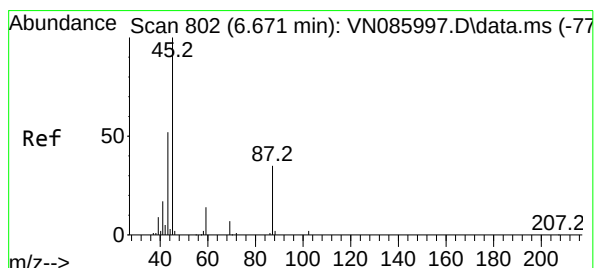
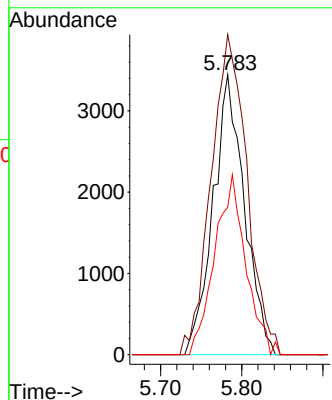
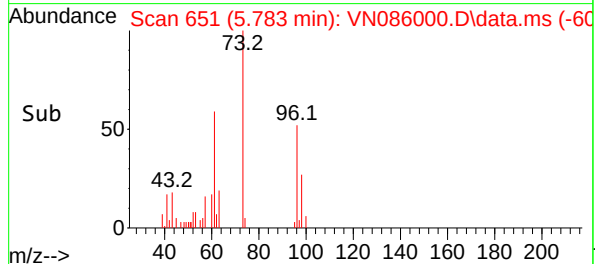
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 924
Ion Ratio Lower Upper
96 100
61 114.3 106.6 160.0
98 52.6 50.0 75.0

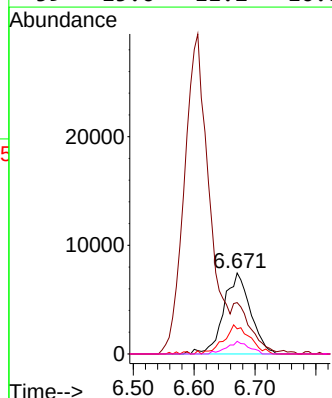
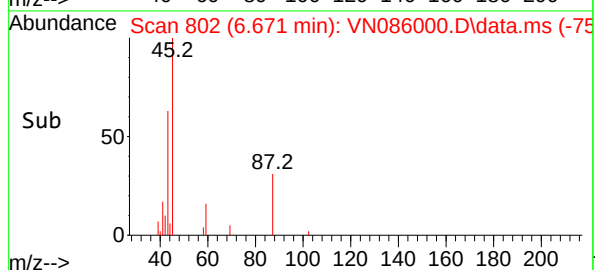
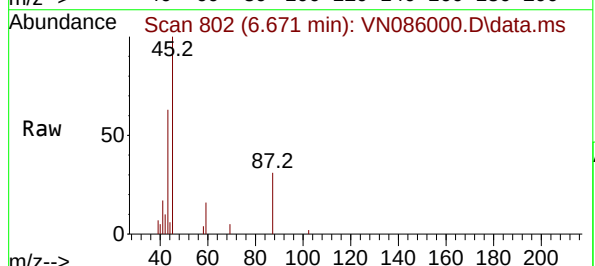
Manual Integrations
APPROVED

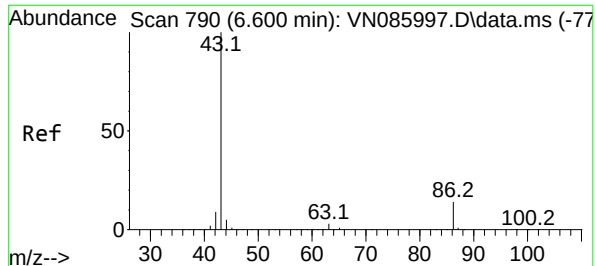
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 5.092 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 45 Resp: 22716
Ion Ratio Lower Upper
45 100
43 59.9 41.2 61.8
87 31.1 28.5 42.7
59 15.6 11.2 16.8





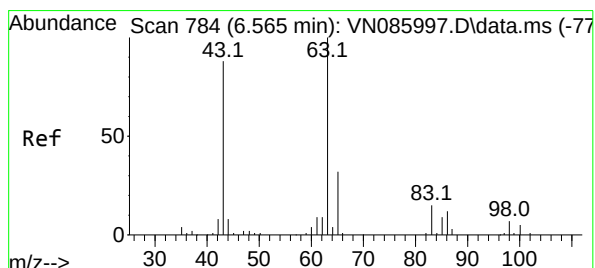
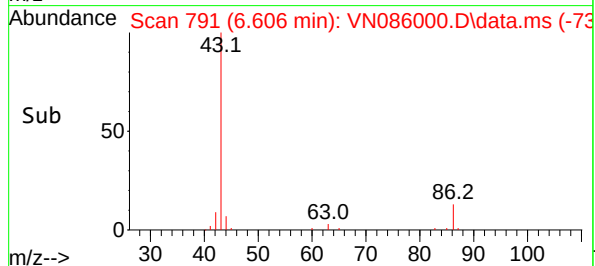
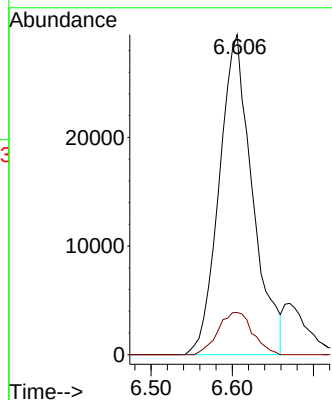
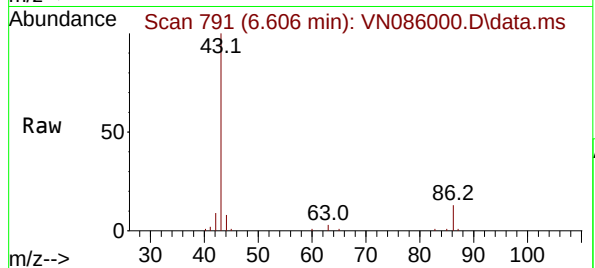
#23
Vinyl Acetate
Concen: 24.772 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 8378
Ion Ratio Lower Upper
43 100
86 13.2 11.2 16.8

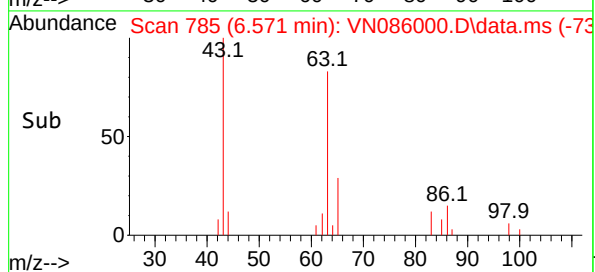
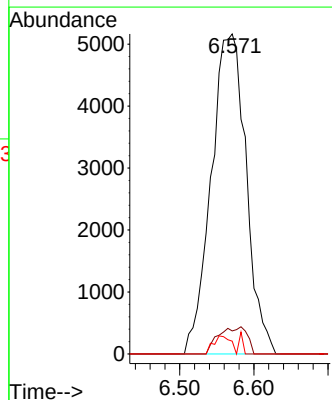
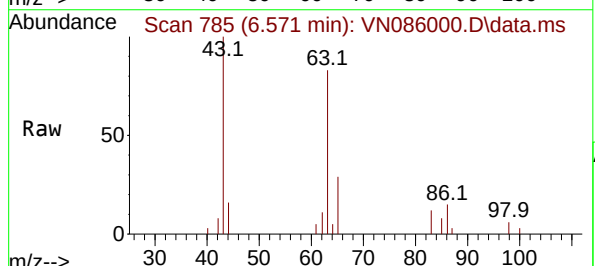
Manual Integrations
APPROVED

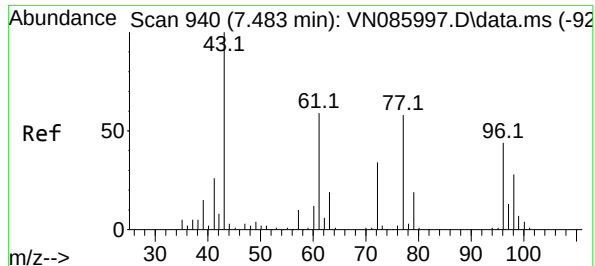
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 5.151 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 63 Resp: 16897
Ion Ratio Lower Upper
63 100
98 7.2 3.6 10.9
100 4.0 2.5 7.5





#25

2-Butanone

Concen: 26.392 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 2609

Ion Ratio Lower Upper

43 100

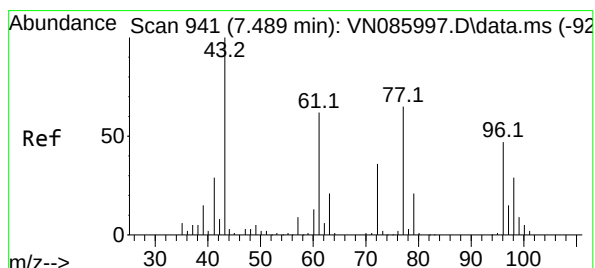
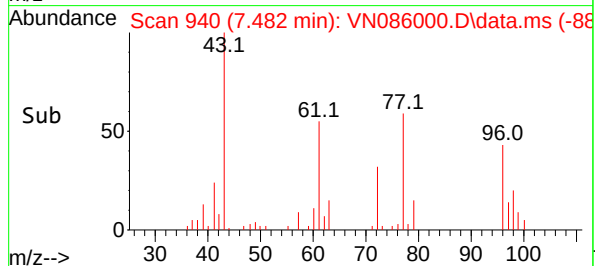
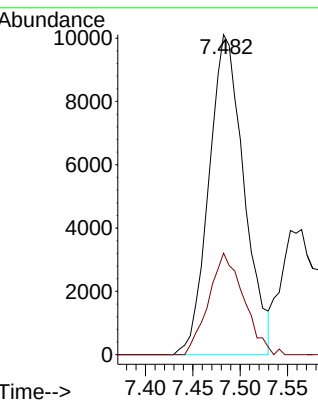
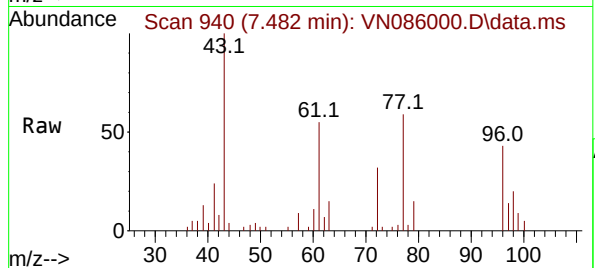
72 31.8 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 5.274 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN086000.D

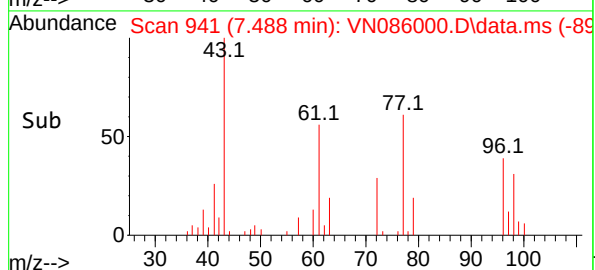
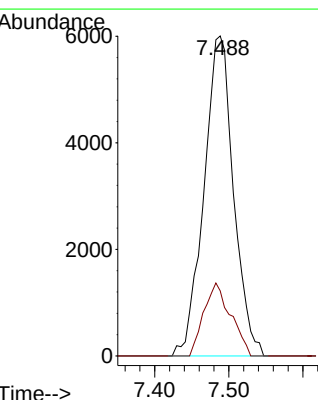
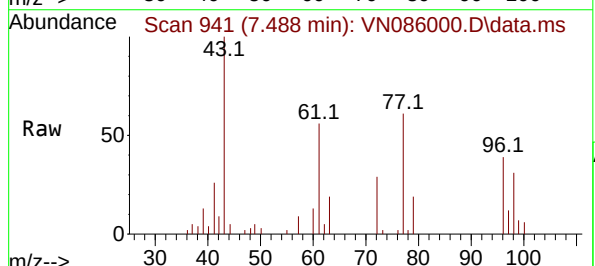
Acq: 18 Mar 2025 13:21

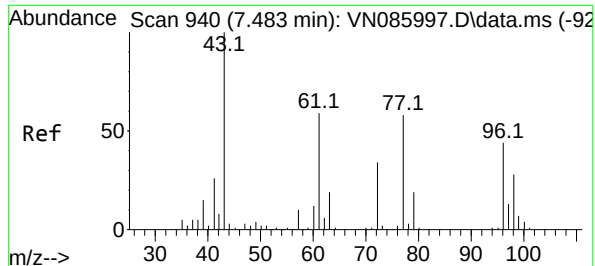
Tgt Ion: 77 Resp: 16658

Ion Ratio Lower Upper

77 100

97 20.7 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 5.154 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion: 96 Resp: 1074

Ion Ratio Lower Upper

96 100

61 137.8 0.0 272.8

98 65.5 0.0 124.8

Instrument :

MSVOA_N

ClientSampleId :

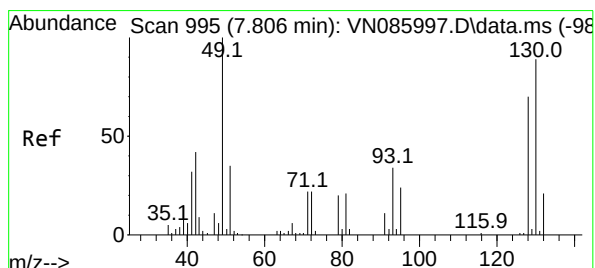
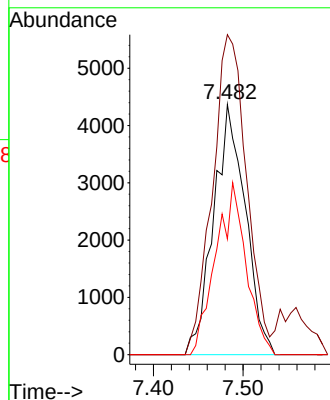
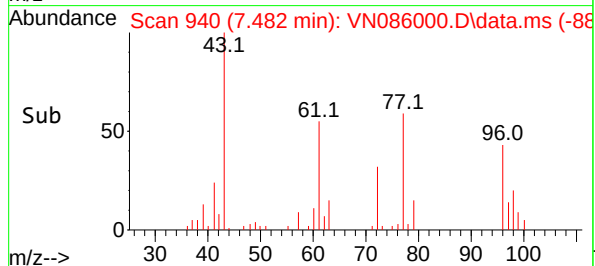
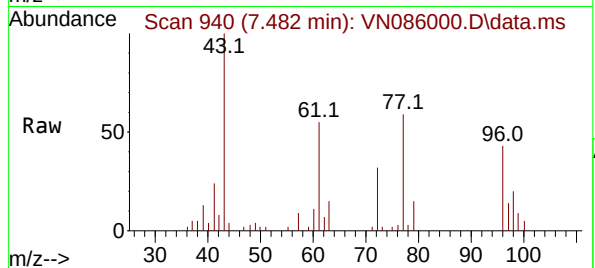
VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 5.064 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

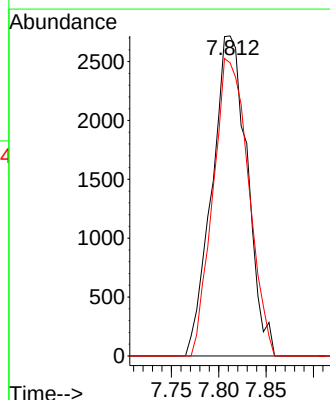
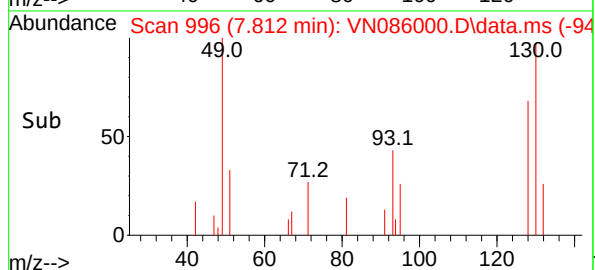
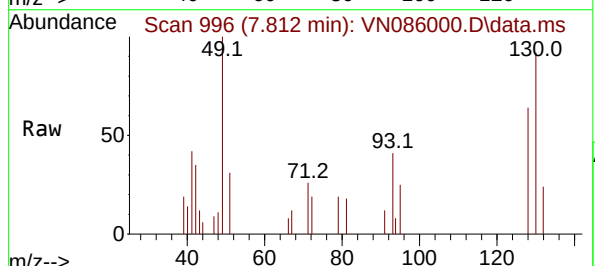
Tgt Ion: 49 Resp: 7039

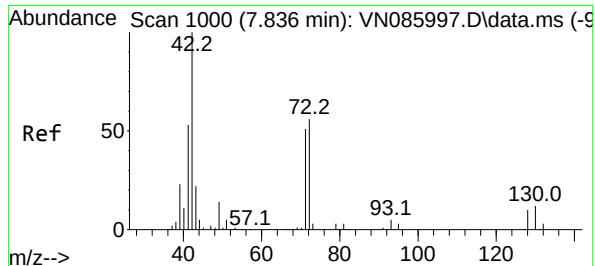
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 93.4 74.2 111.4





#29

Tetrahydrofuran

Concen: 26.382 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.011 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 42 Resp: 16104

Ion Ratio Lower Upper

42 100

72 53.0 45.0 67.4

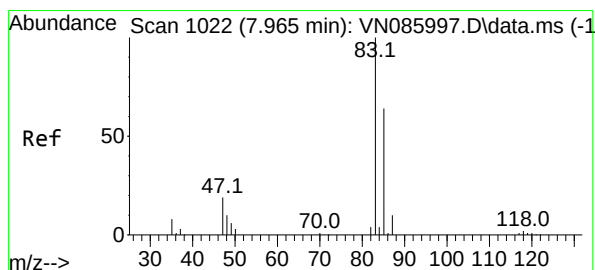
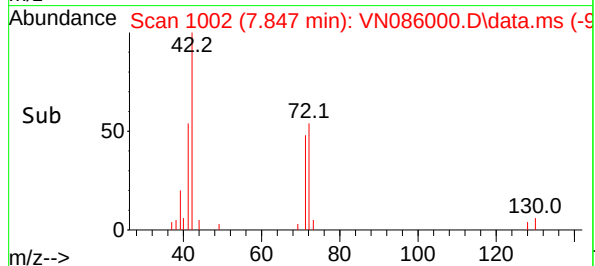
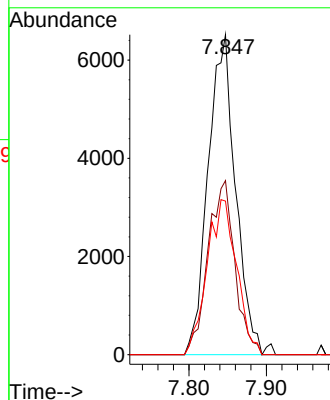
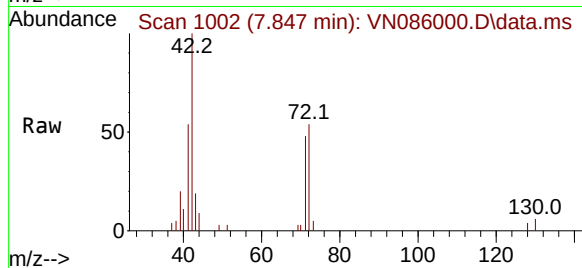
71 51.9 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 5.188 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086000.D

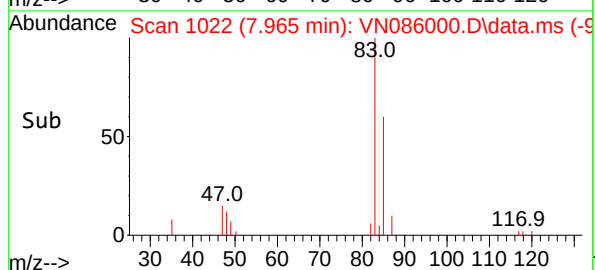
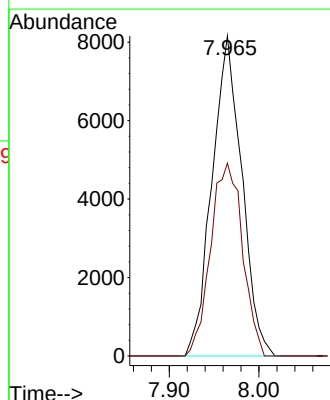
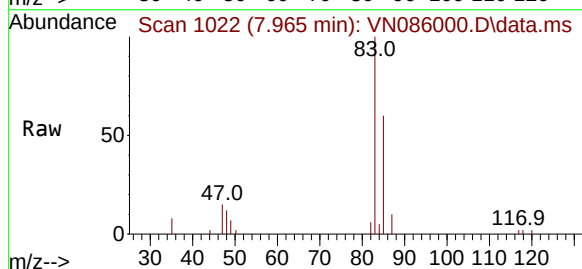
Acq: 18 Mar 2025 13:21

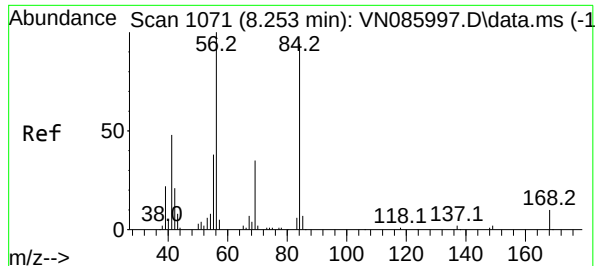
Tgt Ion: 83 Resp: 18814

Ion Ratio Lower Upper

83 100

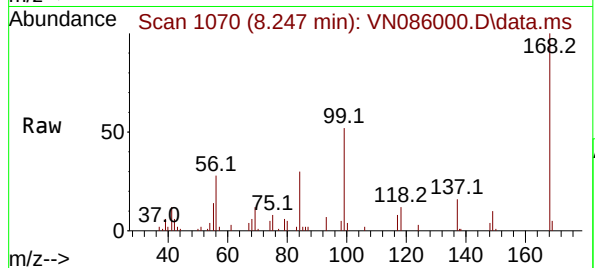
85 60.2 51.5 77.3





#31
Cyclohexane
Concen: 5.611 ug/l
RT: 8.247 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

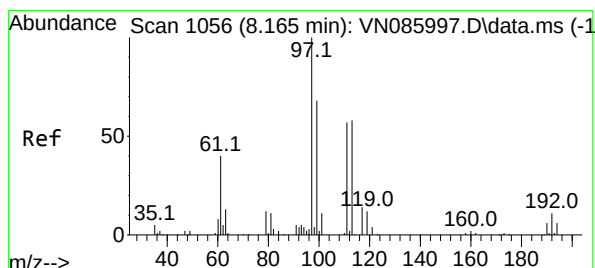
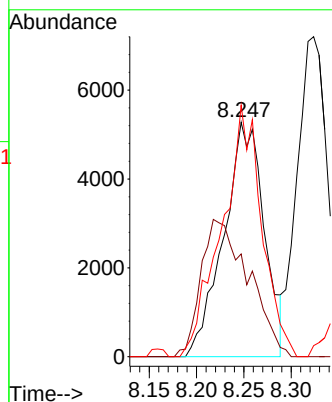
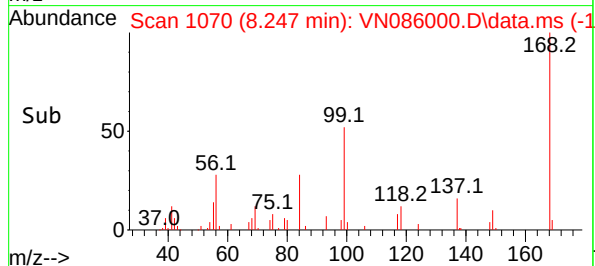
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 56 Resp: 1568
Ion Ratio Lower Upper
56 100
69 40.9 28.0 42.0
84 107.2 75.0 112.6

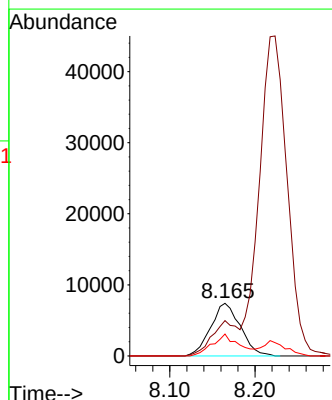
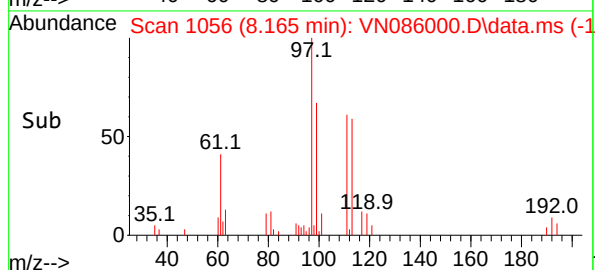
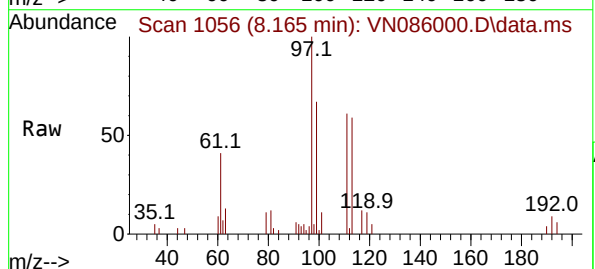
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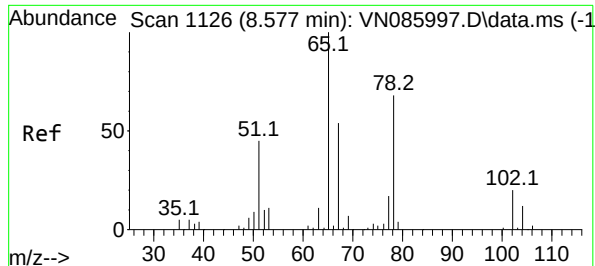
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#32
1,1,1-Trichloroethane
Concen: 5.233 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 97 Resp: 17962
Ion Ratio Lower Upper
97 100
99 58.7 52.8 79.2
61 37.7 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 5.383 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 12074

Ion Ratio Lower Upper

65 100

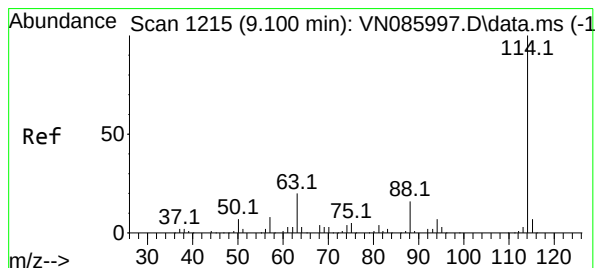
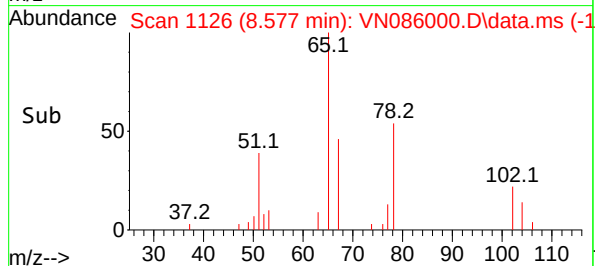
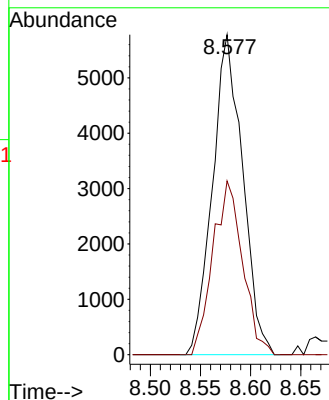
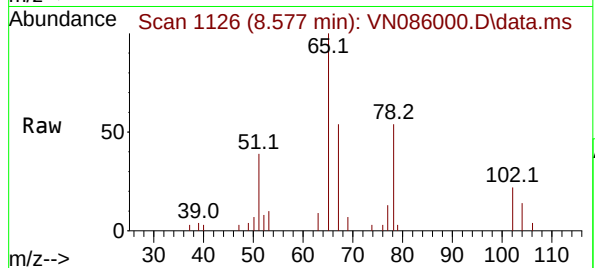
67 53.6 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

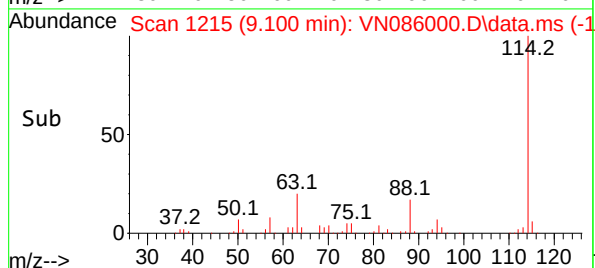
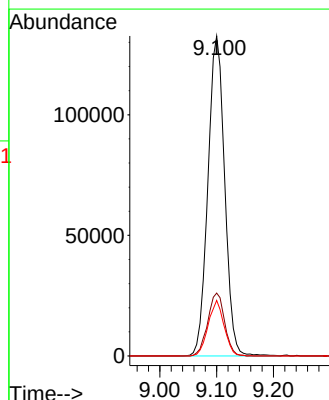
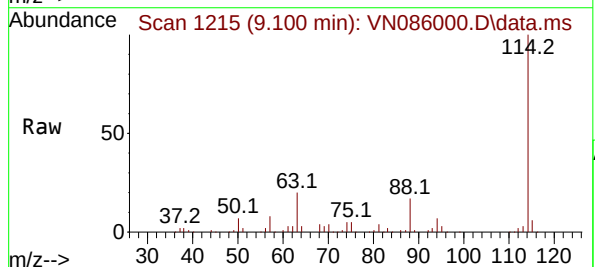
Tgt Ion:114 Resp: 271211

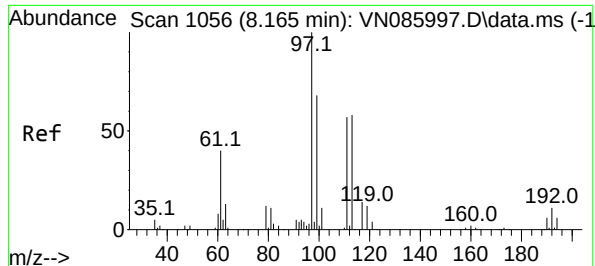
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

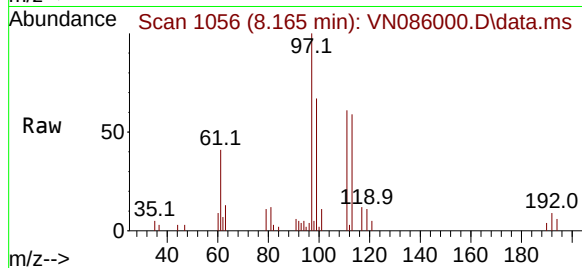
88 17.3 0.0 32.6





#35
Dibromofluoromethane
Concen: 5.274 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

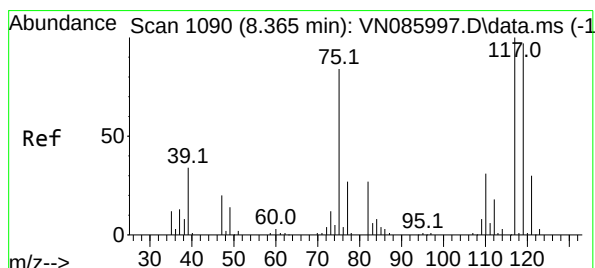
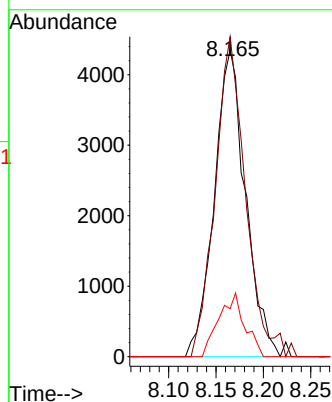
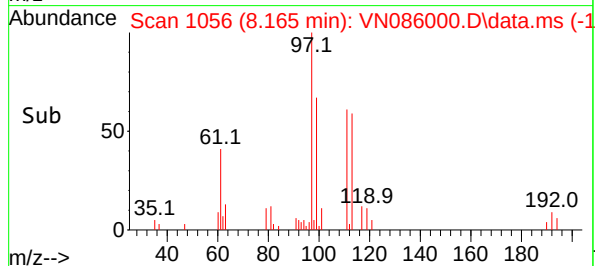
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 113 Resp: 998
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.8
192 17.2 15.9 23.9

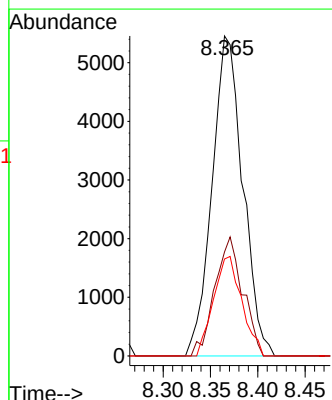
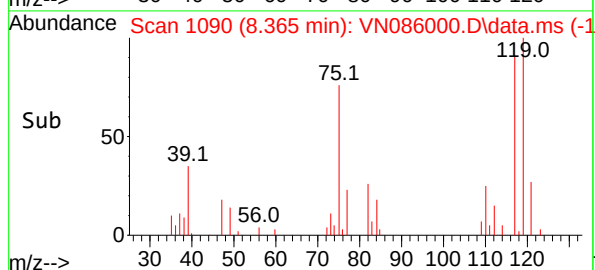
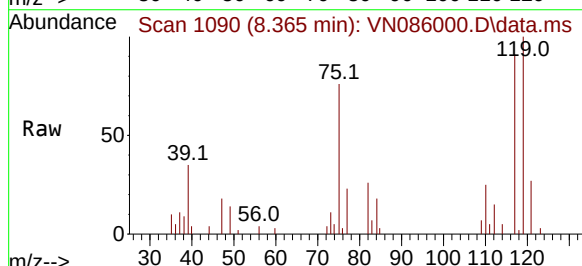
Manual Integrations
APPROVED

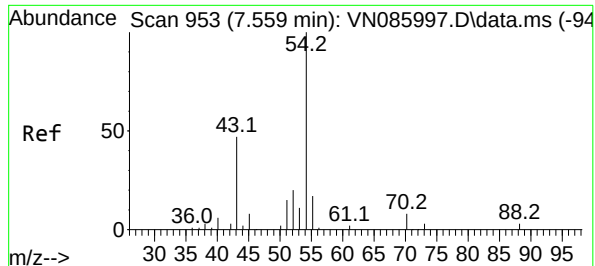
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#36
1,1-Dichloropropene
Concen: 4.936 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 75 Resp: 12303
Ion Ratio Lower Upper
75 100
110 33.9 17.8 53.3
77 28.6 25.0 37.4





#37

Ethyl Acetate

Concen: 5.309 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

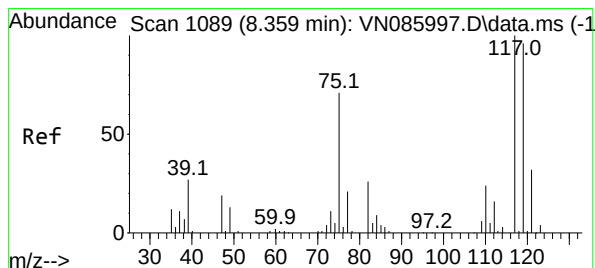
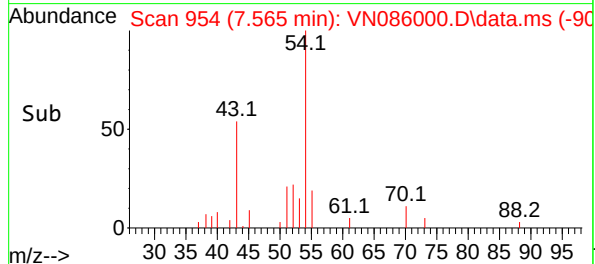
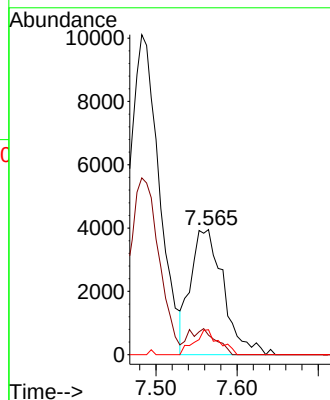
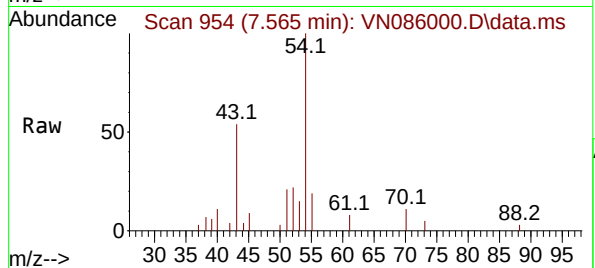
VSTDIC005

Tgt Ion:	43	Resp:	11164
Ion	Ratio	Lower	Upper
43	100		
61	17.1	13.0	19.4
70	14.8	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#38

Carbon Tetrachloride

Concen: 5.074 ug/l

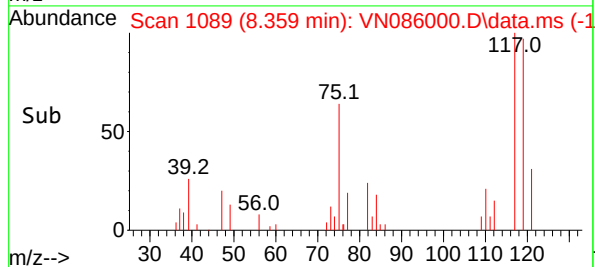
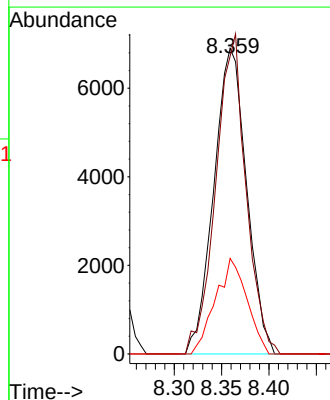
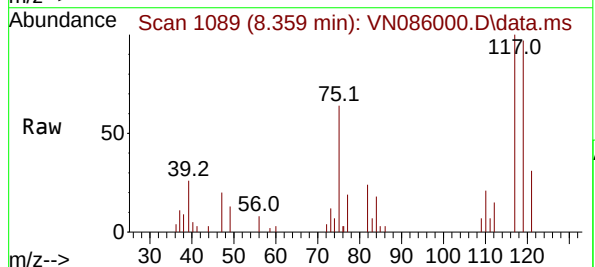
RT: 8.359 min Scan# 1089

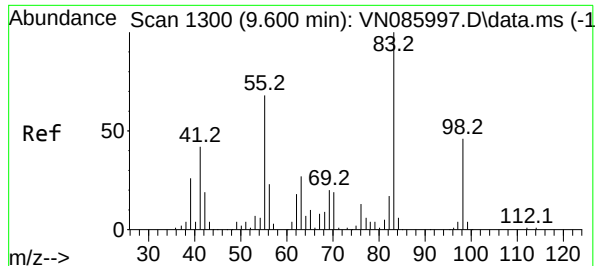
Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion:	117	Resp:	16628
Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.0	115.4
121	31.3	25.6	38.4





#39

Methylcyclohexane

Concen: 4.675 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 11562

Ion Ratio Lower Upper

83 100

55 81.3 54.2 81.2

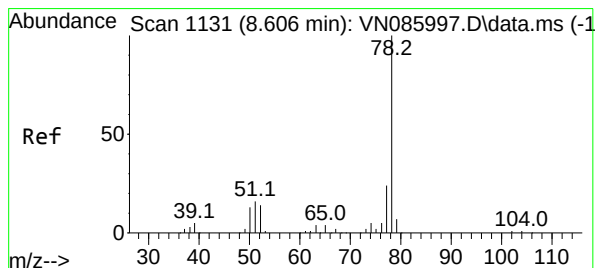
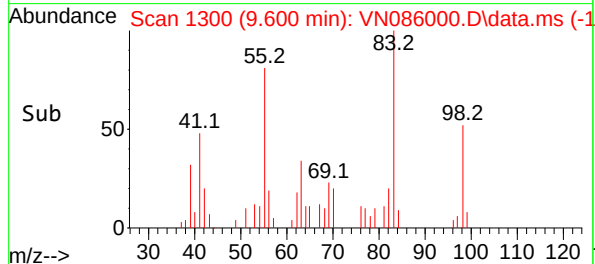
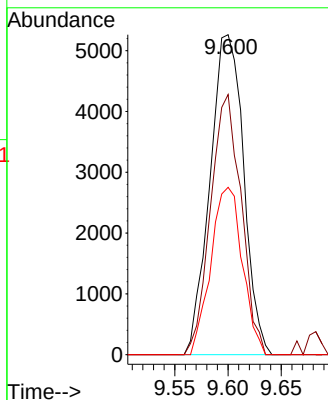
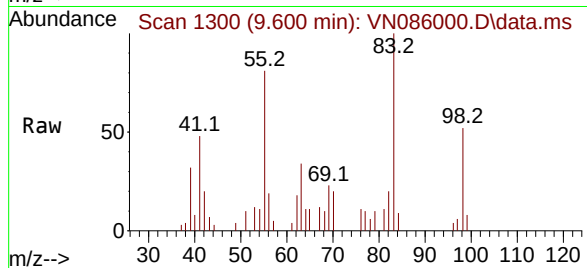
98 52.3 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 5.037 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN086000.D

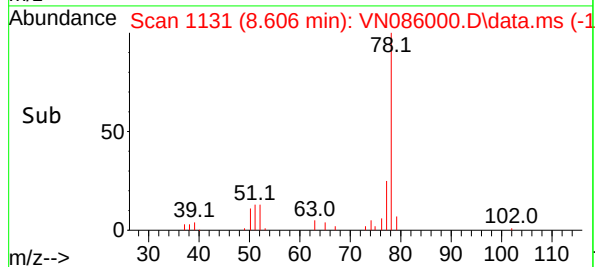
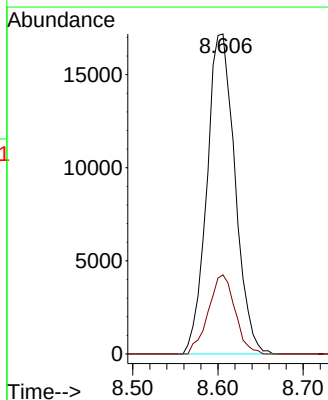
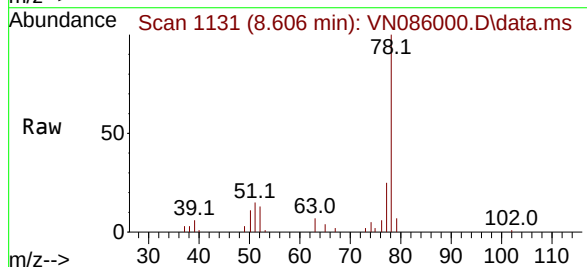
Acq: 18 Mar 2025 13:21

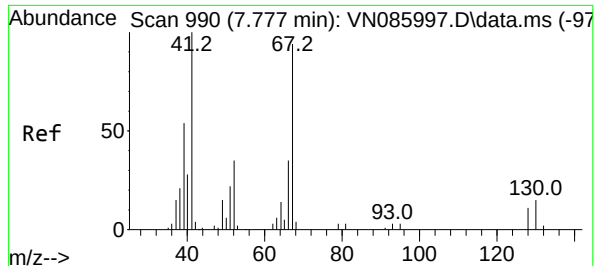
Tgt Ion: 78 Resp: 39414

Ion Ratio Lower Upper

78 100

77 24.7 18.9 28.3





#41
Methacrylonitrile
Concen: 5.074 ug/l
RT: 7.782 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

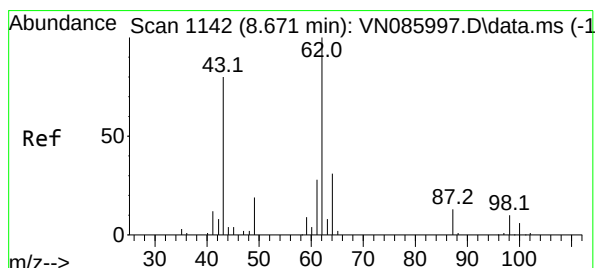
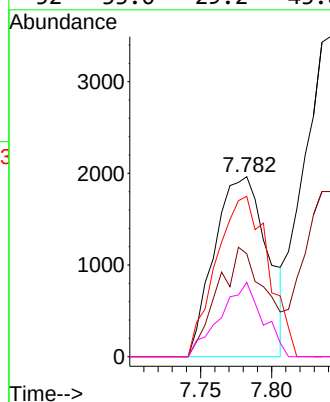
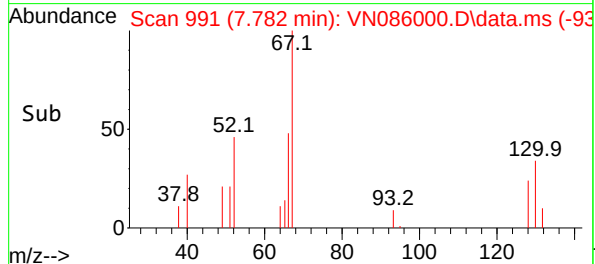
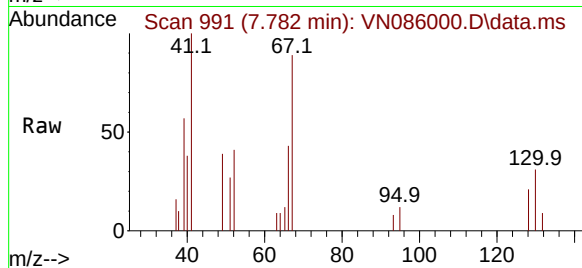
VSTDIC005

Tgt Ion:	41	Resp:	509
Ion	Ratio	Lower	Upper
41	100		
39	54.5	46.2	69.2
67	87.1	75.9	113.9
52	33.0	29.2	43.8

Manual Integrations

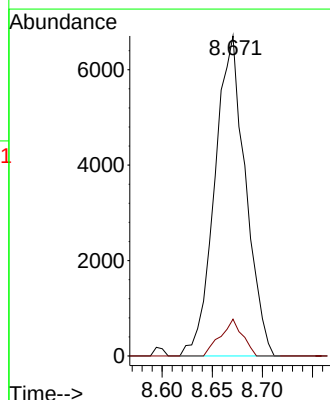
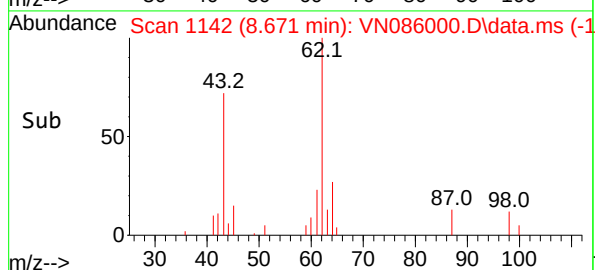
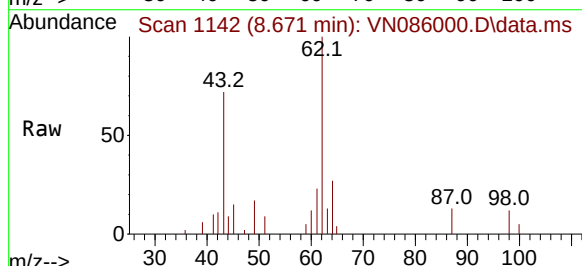
APPROVED

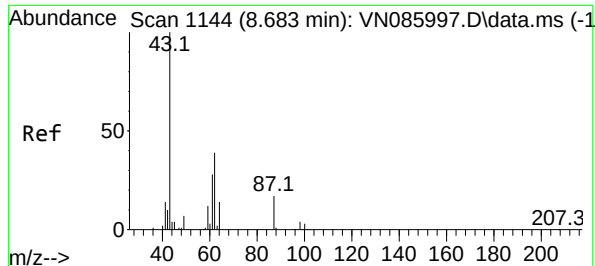
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#42
1,2-Dichloroethane
Concen: 5.249 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion:	62	Resp:	14311
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 4.992 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

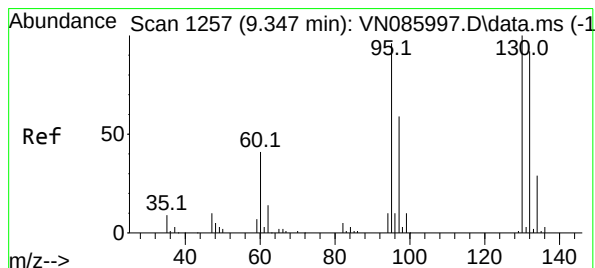
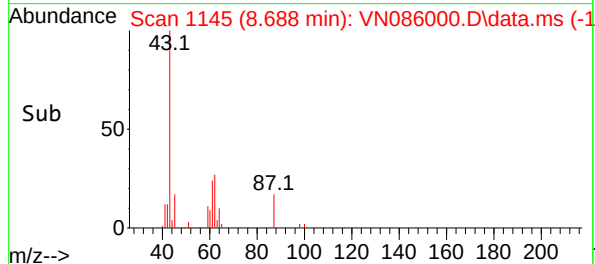
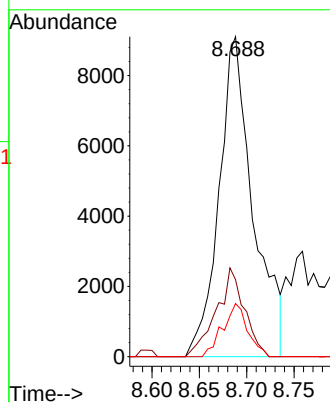
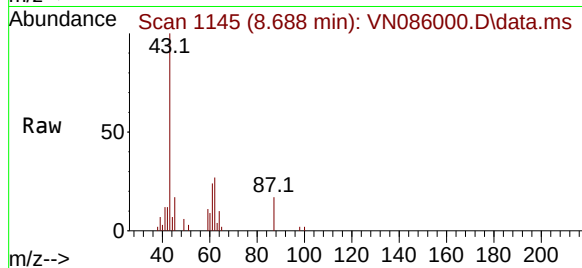
Tgt Ion:	43	Resp:	22794
Ion	Ratio	Lower	Upper
43	100		
61	22.9	25.0	37.6
87	12.2	13.0	19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 5.081 ug/l

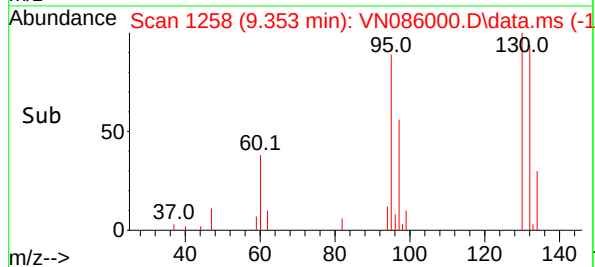
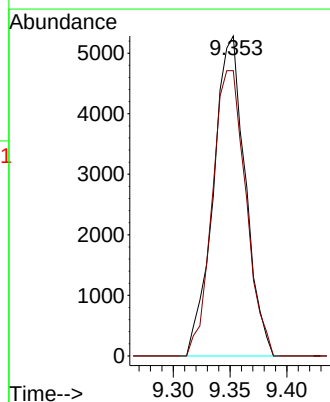
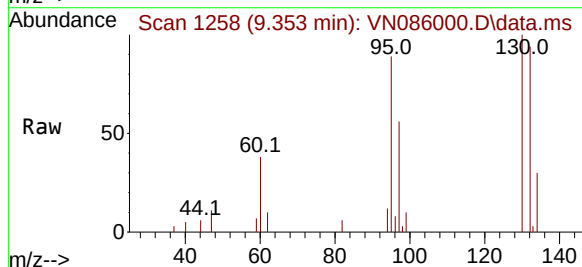
RT: 9.353 min Scan# 1258

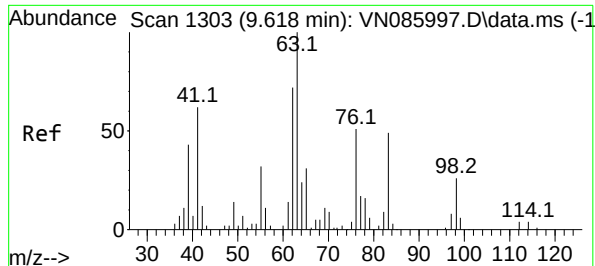
Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion:	130	Resp:	10304
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	191.6





#45

1,2-Dichloropropane

Concen: 5.071 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 9020

Ion Ratio Lower Upper

63 100

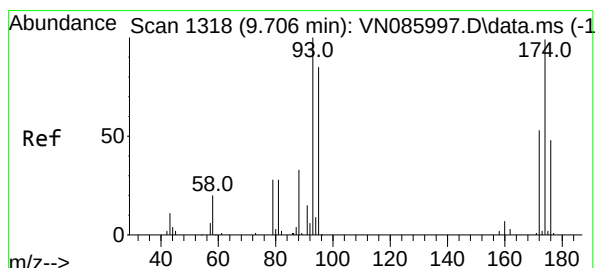
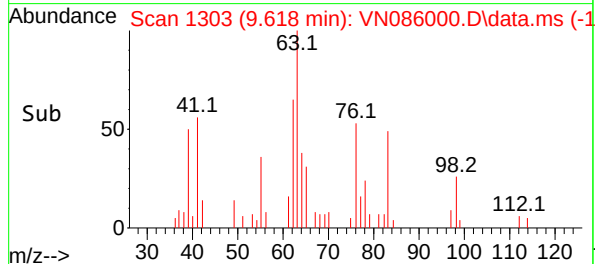
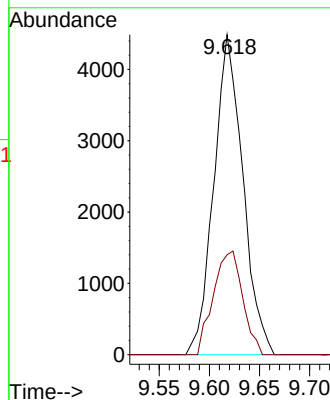
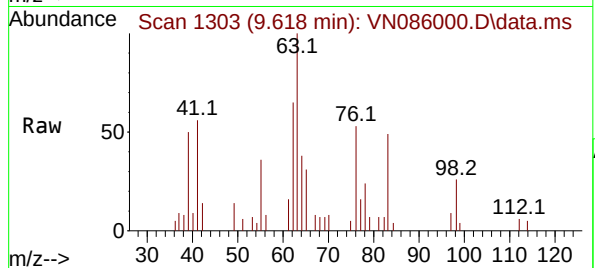
65 31.2 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 5.194 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

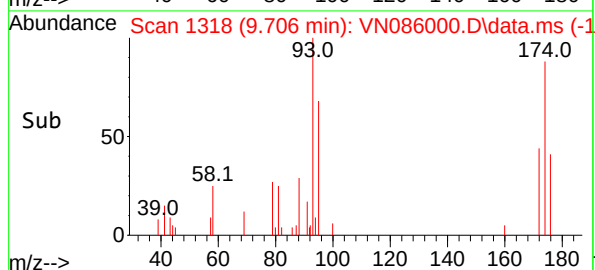
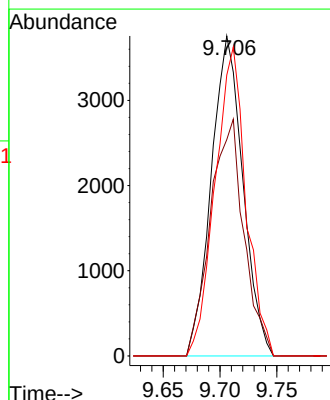
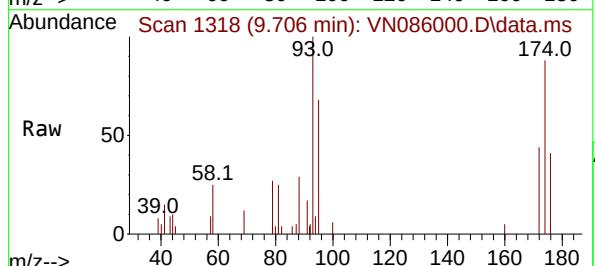
Tgt Ion: 93 Resp: 7270

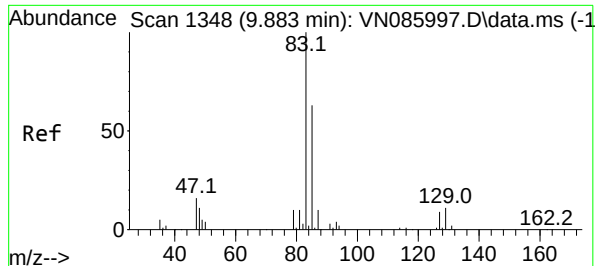
Ion Ratio Lower Upper

93 100

95 78.3 66.2 99.2

174 94.3 80.1 120.1





#47

Bromodichloromethane

Concen: 5.197 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

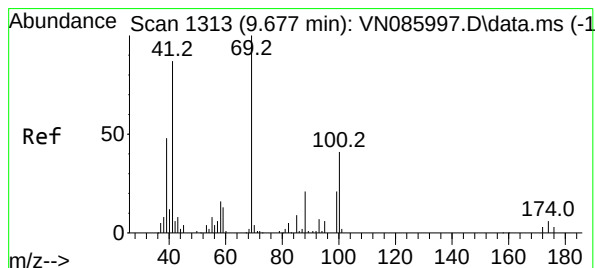
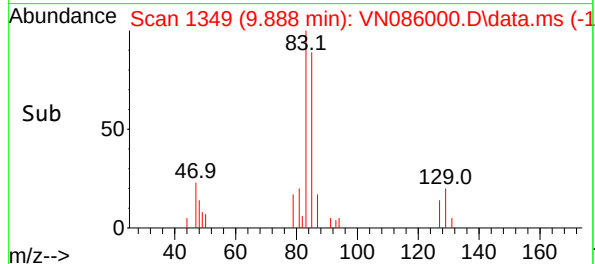
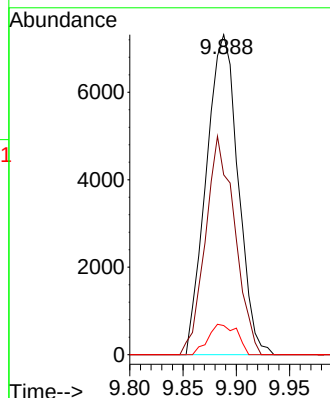
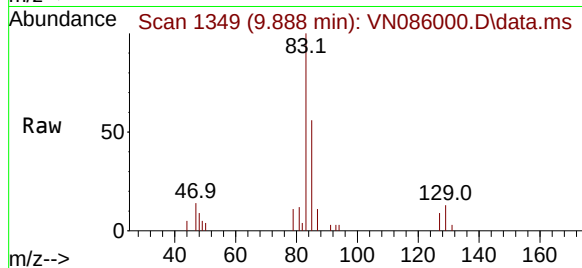
Tgt Ion:	83	Resp:	1520
Ion	Ratio	Lower	Upper
83	100		
85	56.2	50.2	75.2
127	9.1	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#48

Methyl methacrylate

Concen: 4.635 ug/l

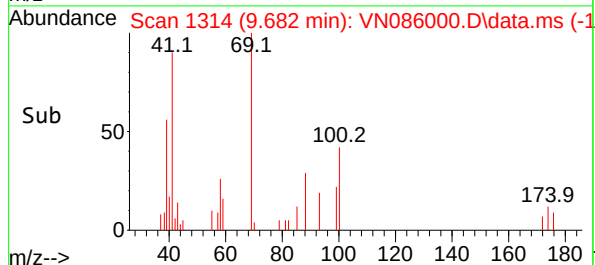
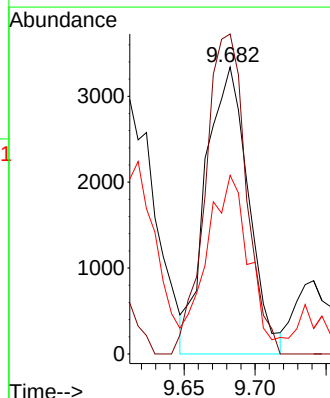
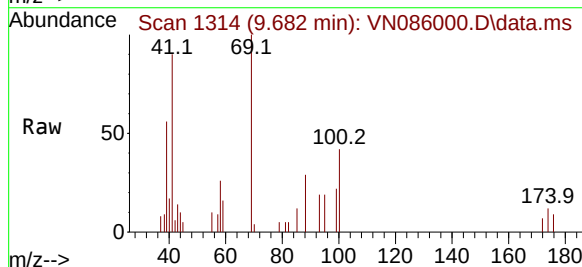
RT: 9.682 min Scan# 1314

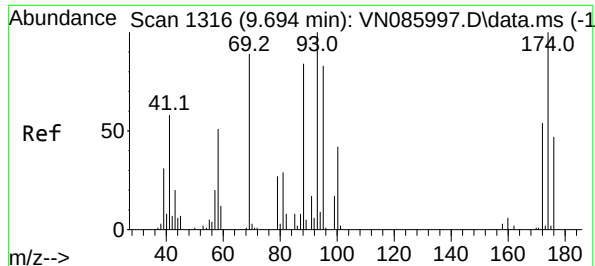
Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion:	41	Resp:	6970
Ion	Ratio	Lower	Upper
41	100		
69	106.7	83.1	124.7
39	63.4	45.6	68.4





#49

1,4-Dioxane

Concen: 107.772 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 383

Ion Ratio Lower Upper

88 100

43 17.1 21.7 32.5

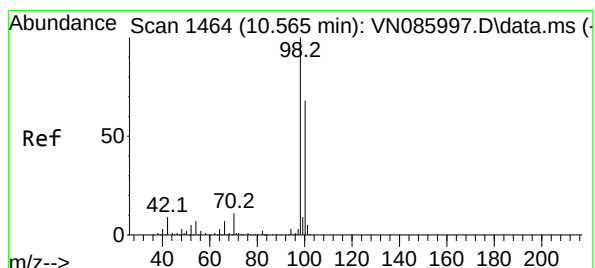
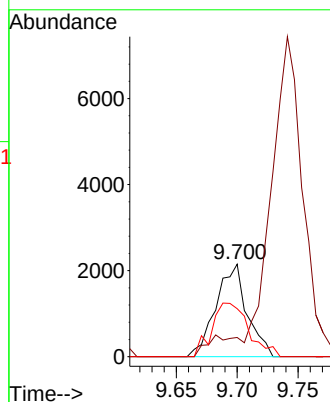
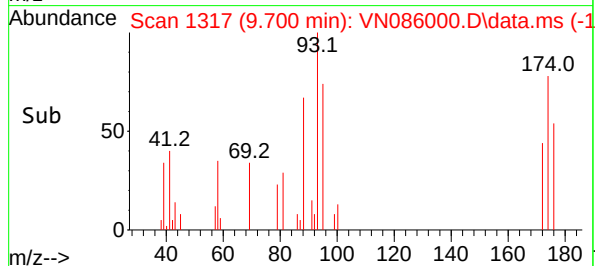
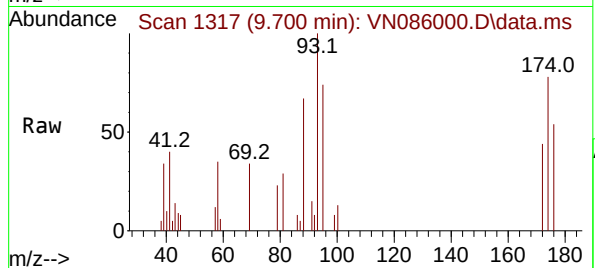
58 68.3 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 4.803 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086000.D

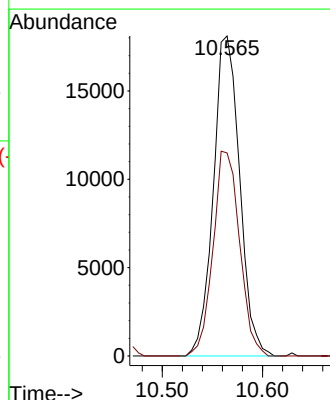
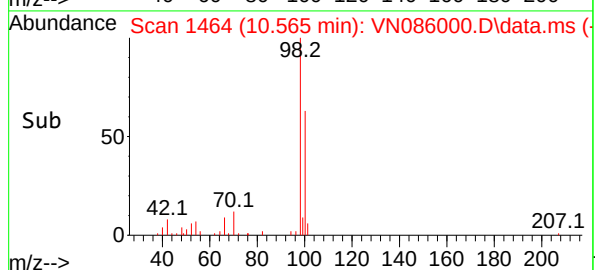
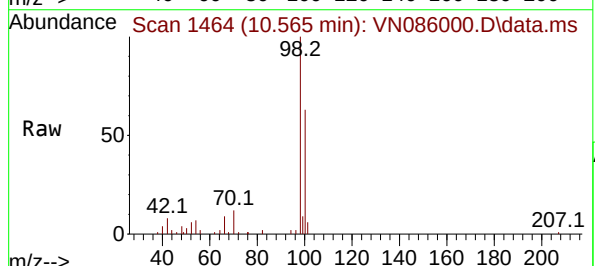
Acq: 18 Mar 2025 13:21

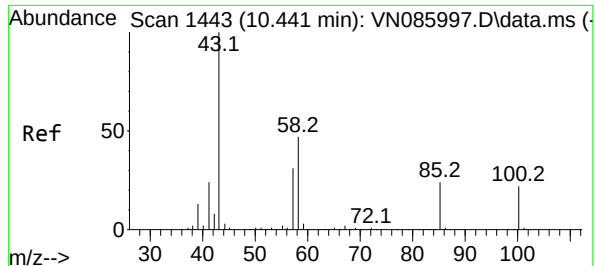
Tgt Ion: 98 Resp: 32999

Ion Ratio Lower Upper

98 100

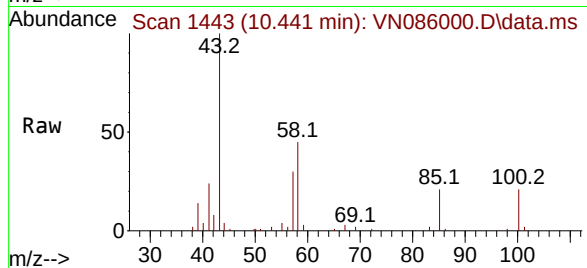
100 64.5 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 24.920 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

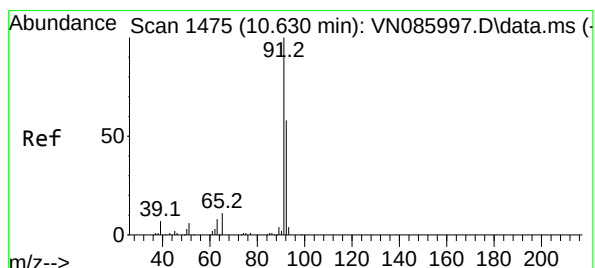
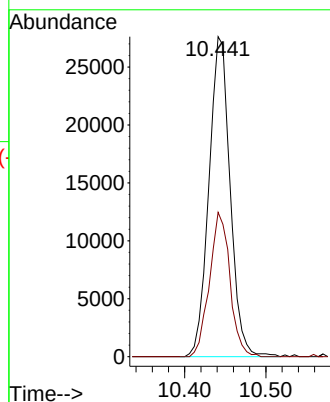
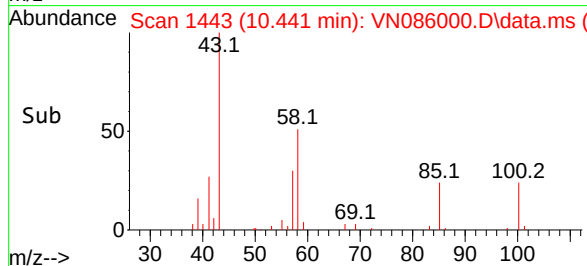
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 5008
Ion Ratio Lower Upper
43 100
58 43.5 37.4 56.0

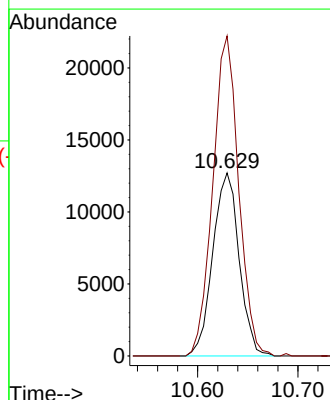
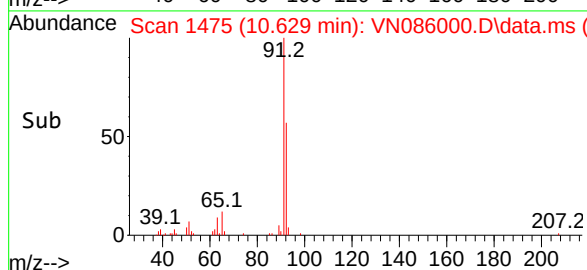
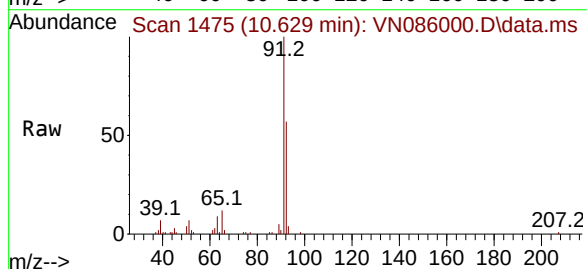
Manual Integrations
APPROVED

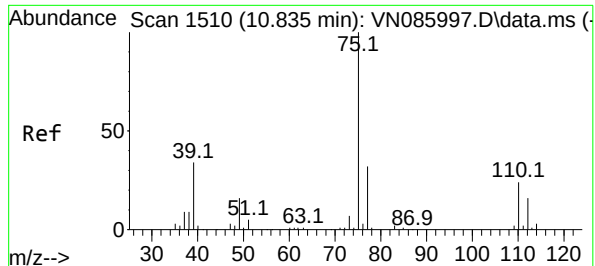
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 4.836 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

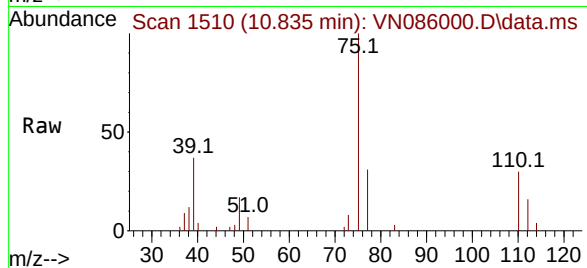
Tgt Ion: 92 Resp: 23224
Ion Ratio Lower Upper
92 100
91 171.3 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 4.785 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

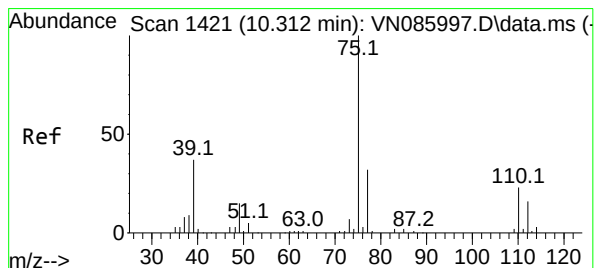
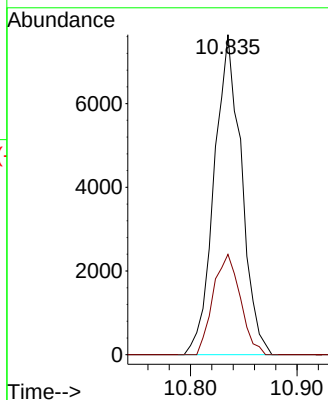
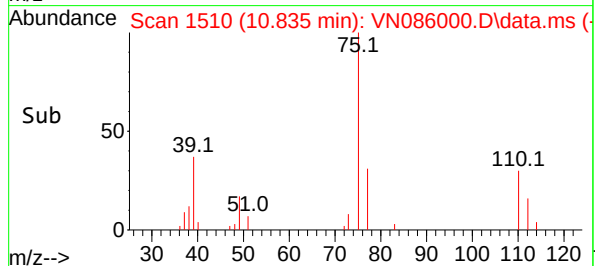
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 13594
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9

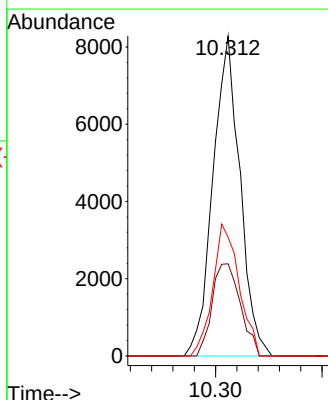
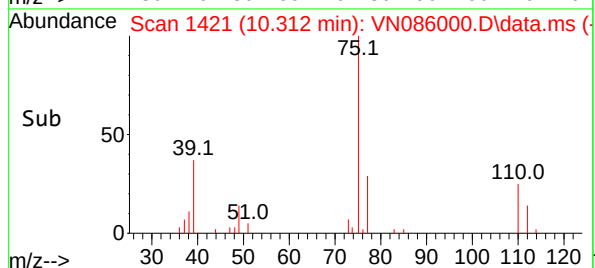
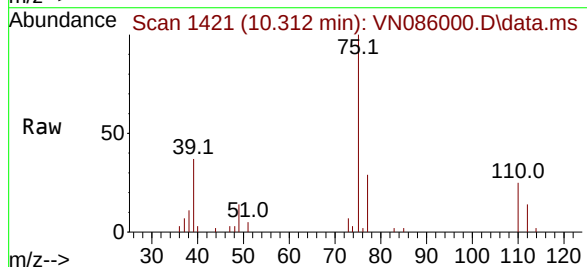
Manual Integrations
APPROVED

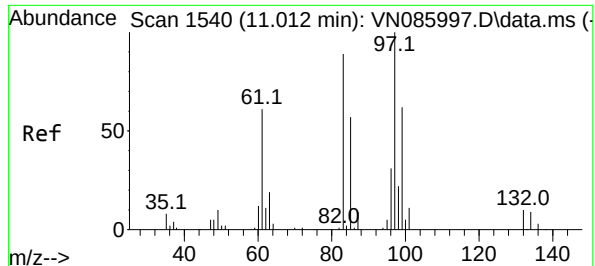
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 4.856 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

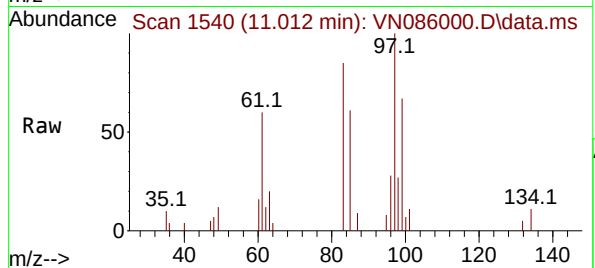
Tgt Ion: 75 Resp: 14556
Ion Ratio Lower Upper
75 100
77 28.8 25.3 37.9
39 37.1 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 5.007 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

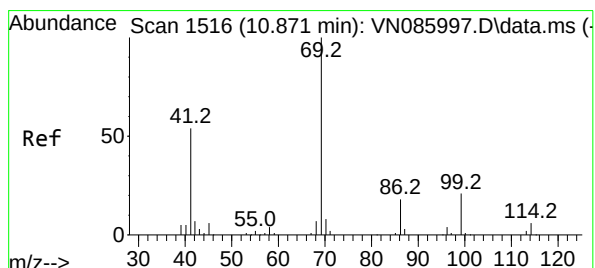
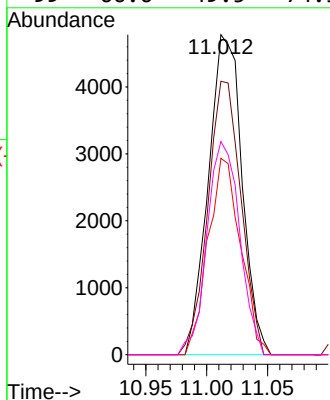
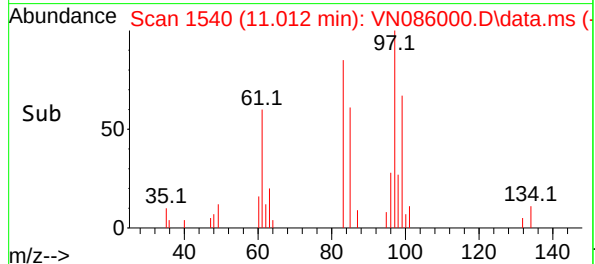
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



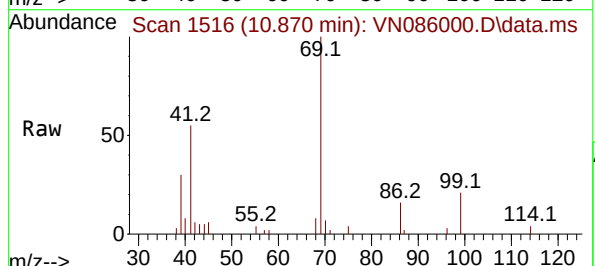
Tgt Ion: 97 Resp: 9178
Ion Ratio Lower Upper
97 100
83 85.5 71.2 106.8
85 61.3 45.4 68.0
99 66.6 49.5 74.3

Manual Integrations
APPROVED

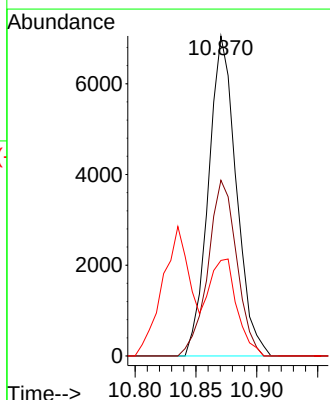
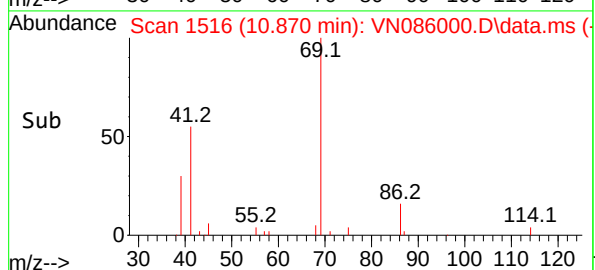
Reviewed By :John Carbone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

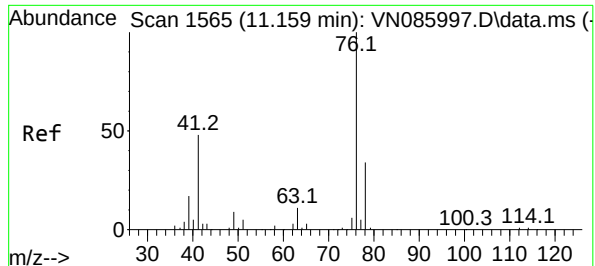


#56
Ethyl methacrylate
Concen: 4.940 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21



Tgt Ion: 69 Resp: 11206
Ion Ratio Lower Upper
69 100
41 56.6 41.6 62.4
39 30.7 21.8 32.8





#57

1,3-Dichloropropane

Concen: 4.858 ug/l

RT: 11.165 min Scan# 1565

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 15120

Ion Ratio Lower Upper

76 100

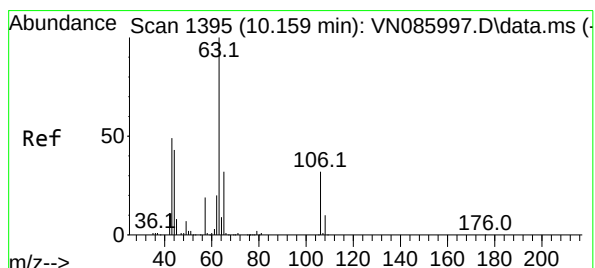
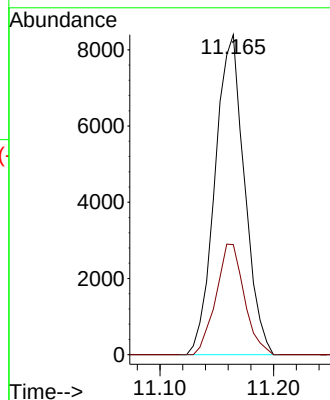
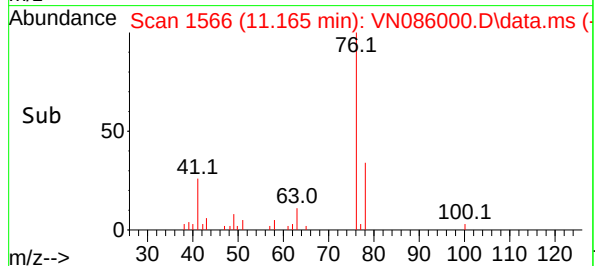
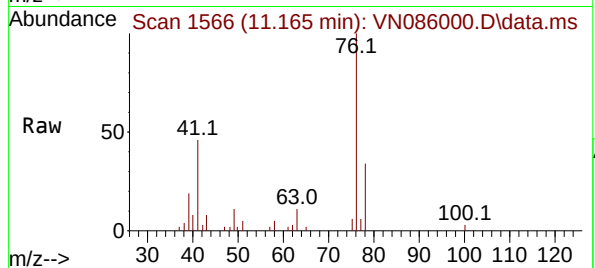
78 33.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 31.548 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN086000.D

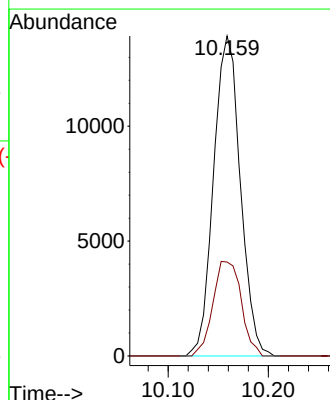
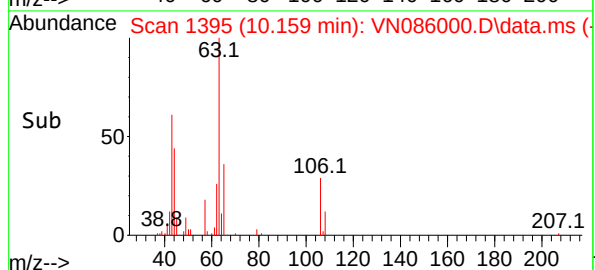
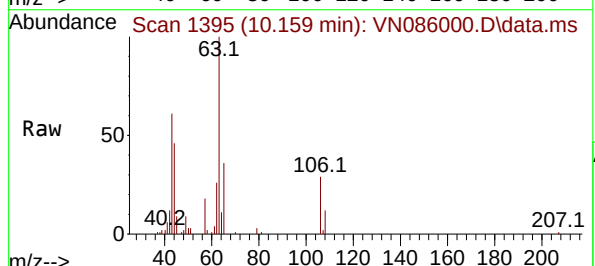
Acq: 18 Mar 2025 13:21

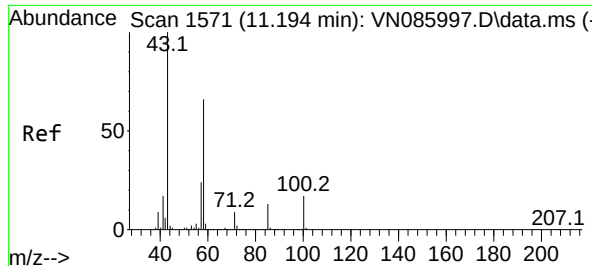
Tgt Ion: 63 Resp: 25811

Ion Ratio Lower Upper

63 100

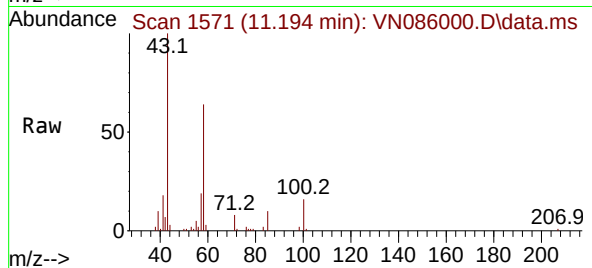
106 31.3 25.0 37.6





#59
2-Hexanone
Concen: 24.217 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

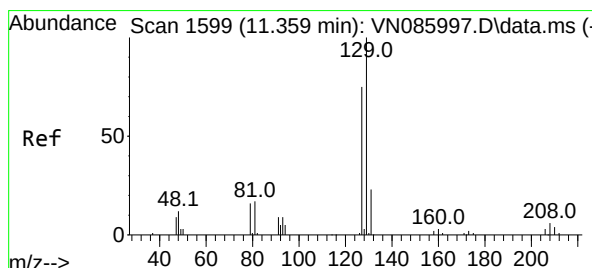
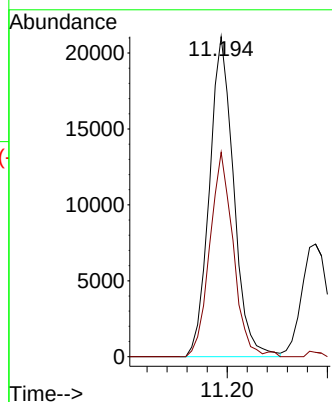
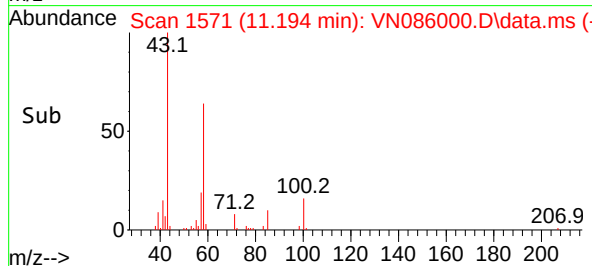
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 3545
Ion Ratio Lower Upper
43 100
58 61.7 32.4 97.2

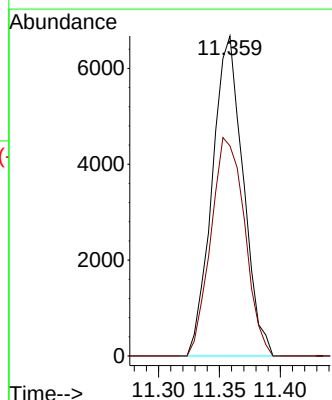
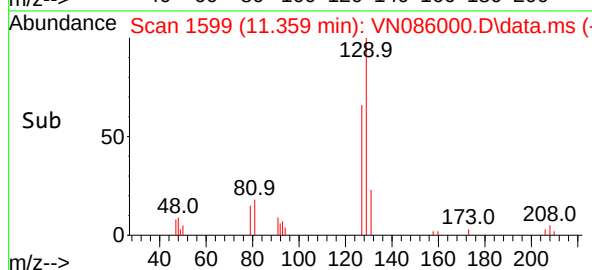
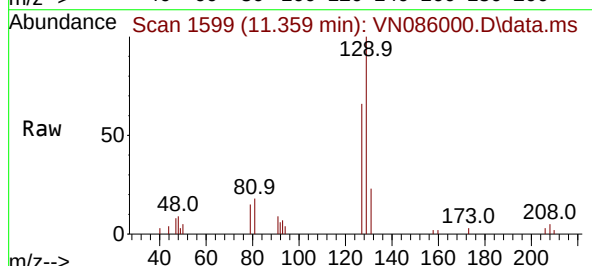
Manual Integrations
APPROVED

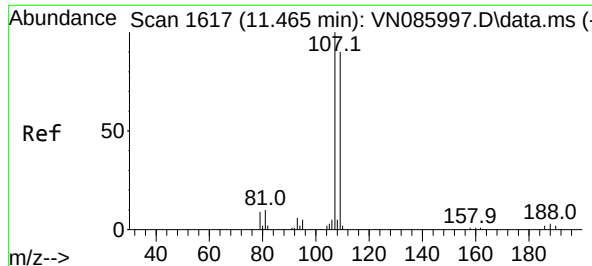
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#60
Dibromochloromethane
Concen: 4.994 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

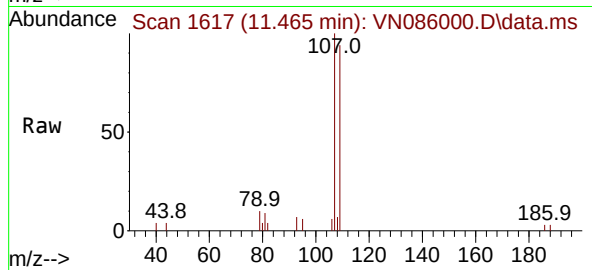
Tgt Ion:129 Resp: 11813
Ion Ratio Lower Upper
129 100
127 74.5 37.8 113.4





#61
1,2-Dibromoethane
Concen: 4.859 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

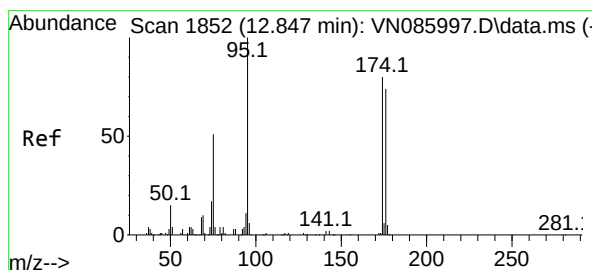
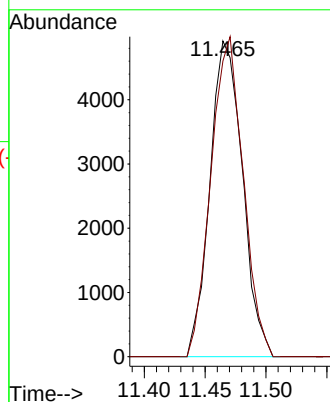
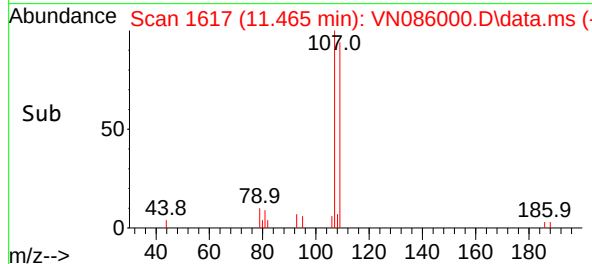
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:107 Resp: 914
Ion Ratio Lower Upper
107 100
109 100.7 73.3 109.9

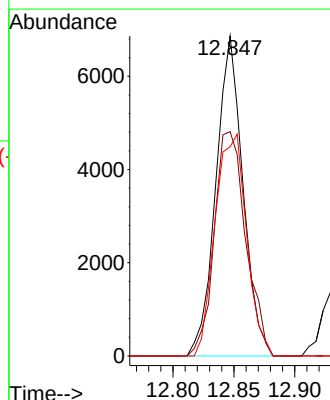
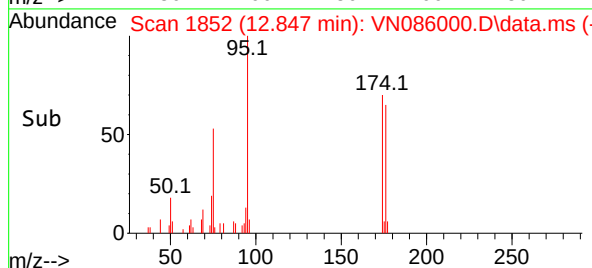
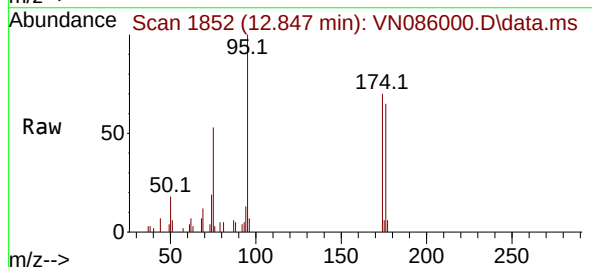
Manual Integrations
APPROVED

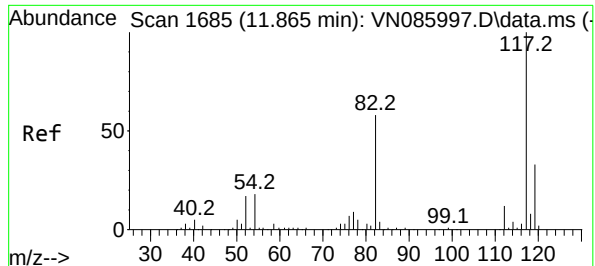
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 4.332 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 95 Resp: 10615
Ion Ratio Lower Upper
95 100
174 81.6 0.0 156.8
176 80.4 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 232728

Ion Ratio Lower Upper

117 100

82 58.5 46.7 70.1

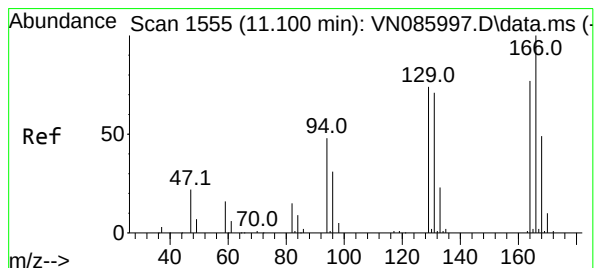
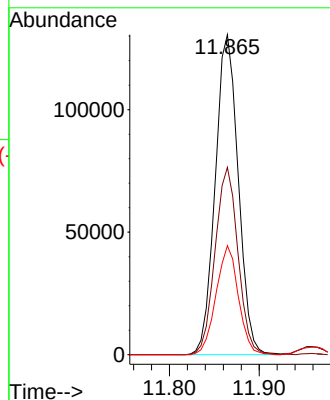
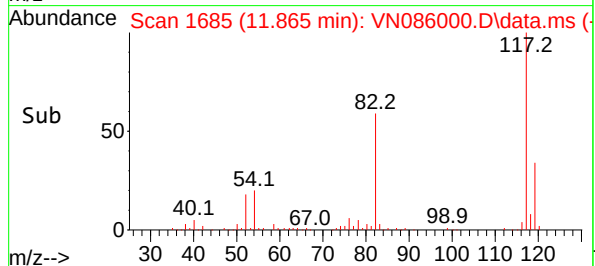
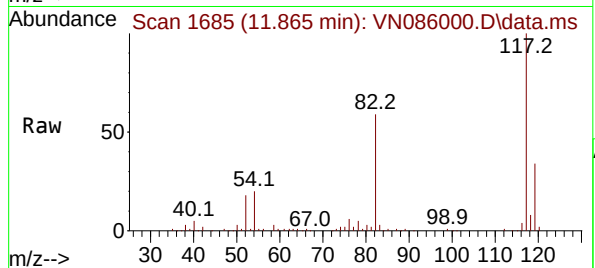
119 34.0 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#64

Tetrachloroethene

Concen: 5.284 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion:164 Resp: 9809

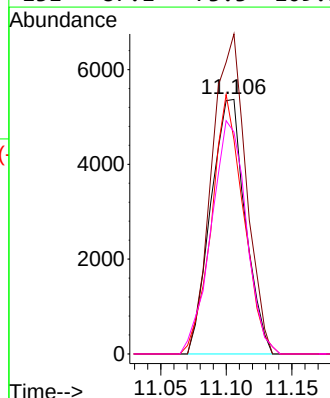
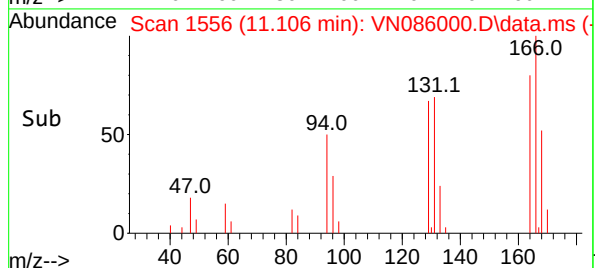
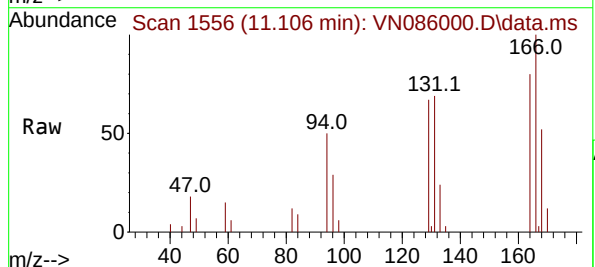
Ion Ratio Lower Upper

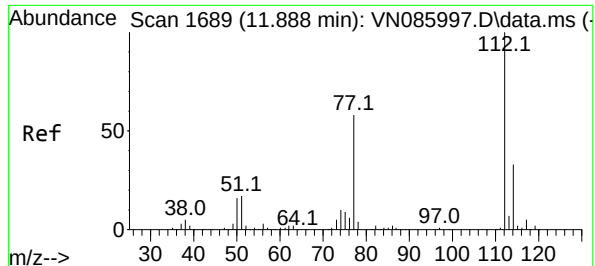
164 100

166 125.7 103.7 155.5

129 84.1 77.1 115.7

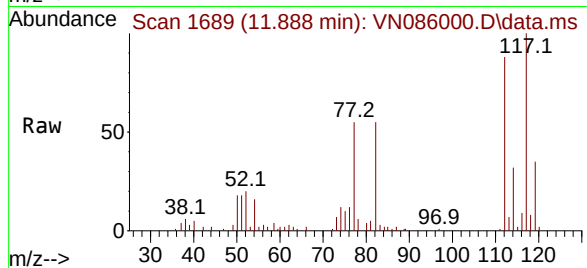
131 87.1 73.3 109.9





#65
Chlorobenzene
Concen: 5.053 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

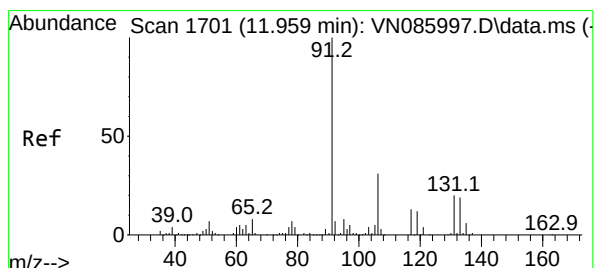
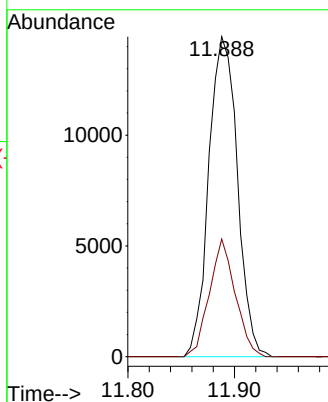
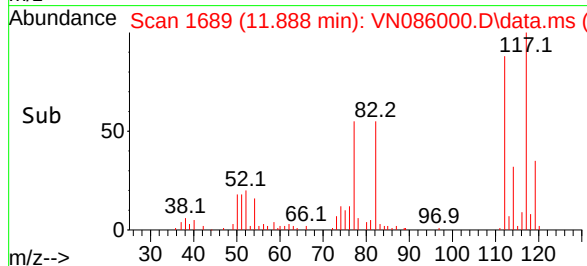
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:112 Resp: 26908
Ion Ratio Lower Upper
112 100
114 36.8 26.3 39.5

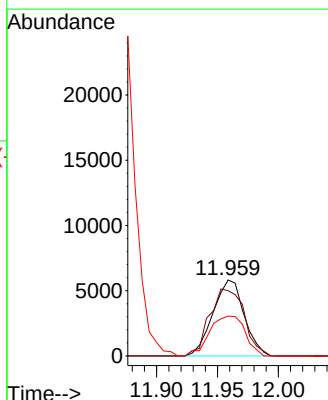
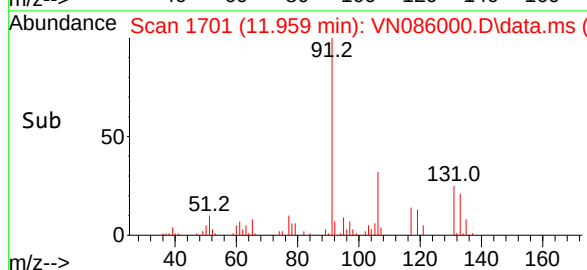
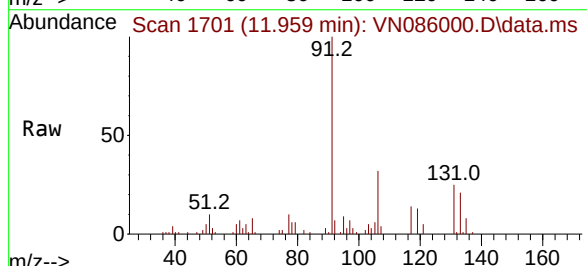
Manual Integrations
APPROVED

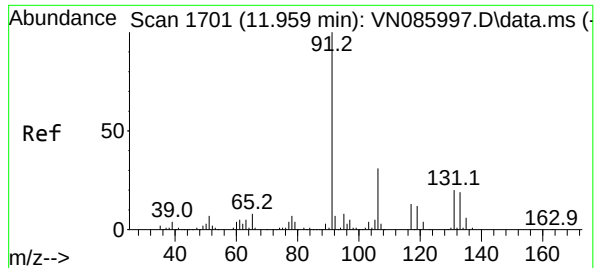
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 5.232 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion:131 Resp: 10358
Ion Ratio Lower Upper
131 100
133 98.3 47.0 141.0
119 59.6 31.4 94.0





#67

Ethyl Benzene

Concen: 4.795 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 4084

Ion Ratio Lower Upper

91 100

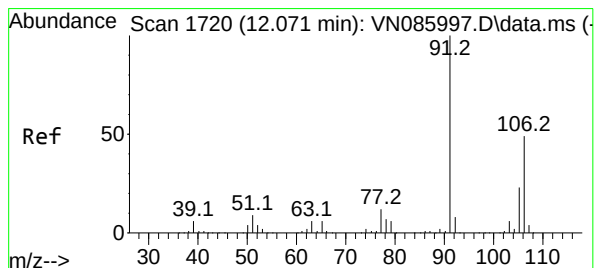
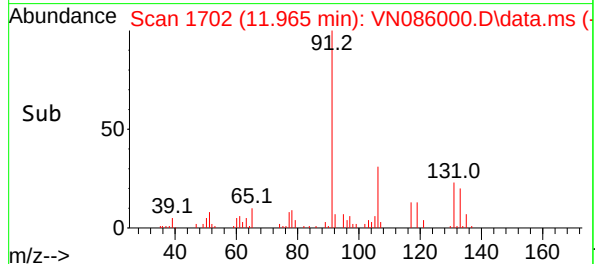
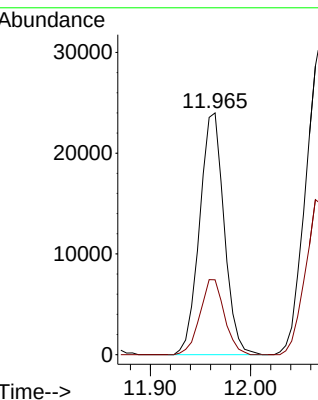
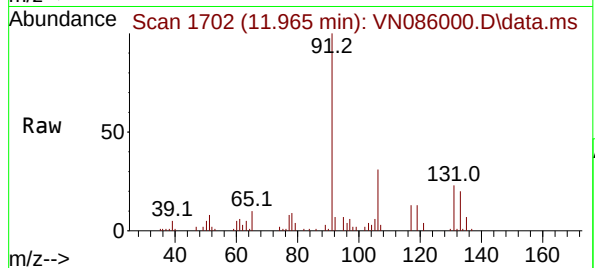
106 31.0 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#68

m/p-Xylenes

Concen: 9.182 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN086000.D

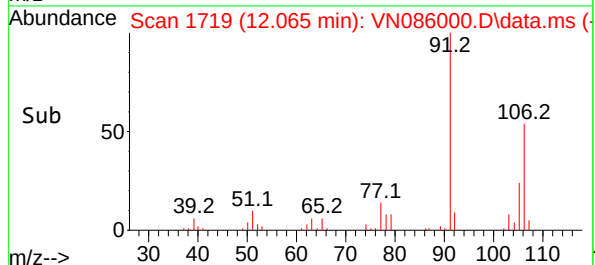
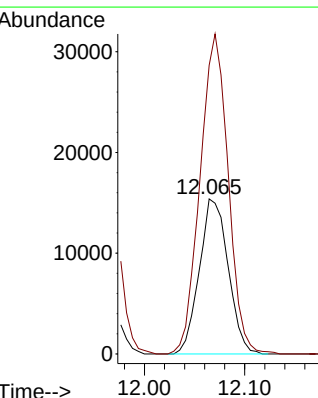
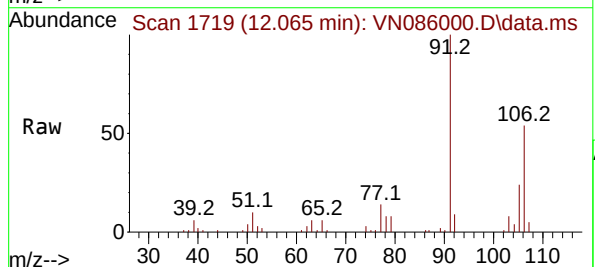
Acq: 18 Mar 2025 13:21

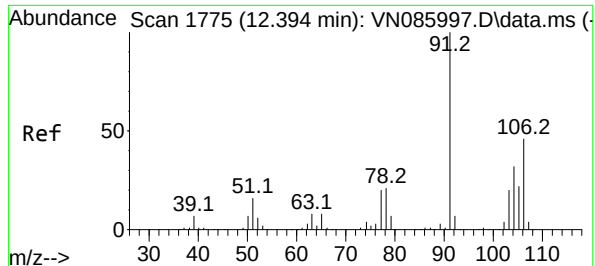
Tgt Ion:106 Resp: 30743

Ion Ratio Lower Upper

106 100

91 201.6 163.9 245.9





#69

o-Xylene

Concen: 4.427 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 13604

Ion Ratio Lower Upper

106 100

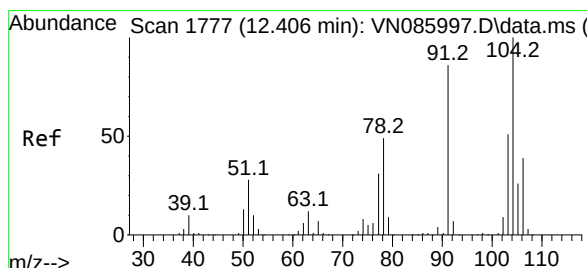
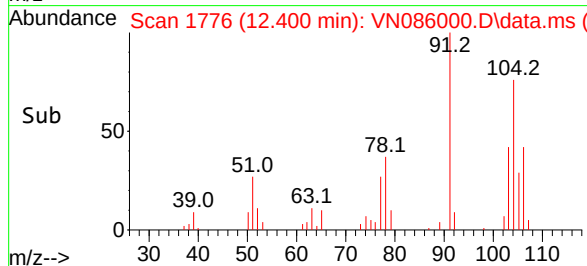
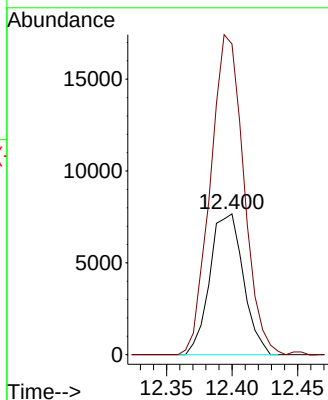
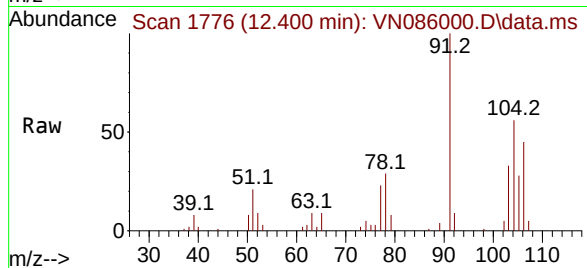
91 227.0 109.1 327.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#70

Styrene

Concen: 4.578 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

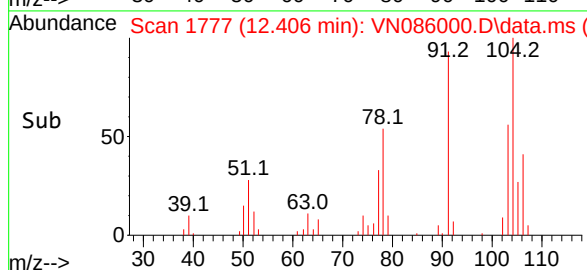
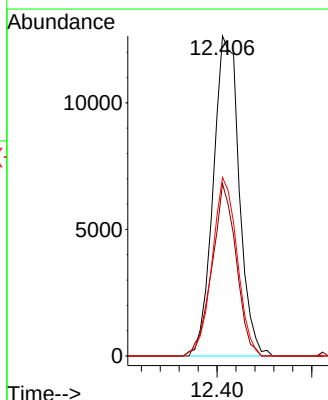
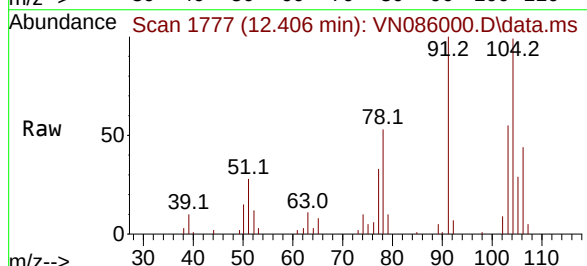
Tgt Ion:104 Resp: 24028

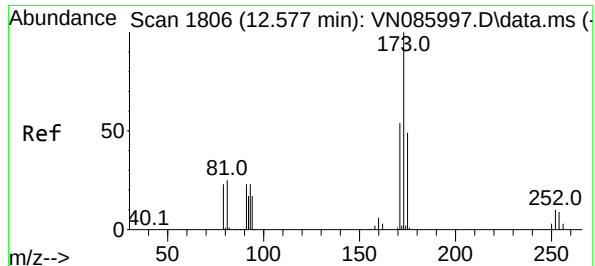
Ion Ratio Lower Upper

104 100

78 50.1 41.4 62.2

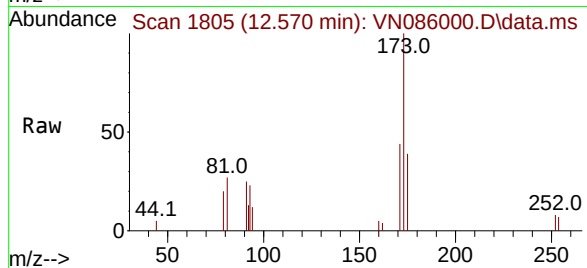
103 53.9 42.9 64.3





#71
Bromoform
Concen: 4.989 ug/l
RT: 12.570 min Scan# 1805
Delta R.T. -0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

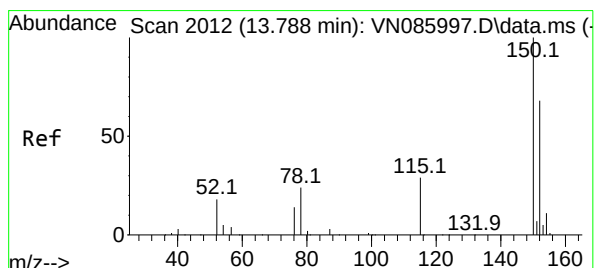
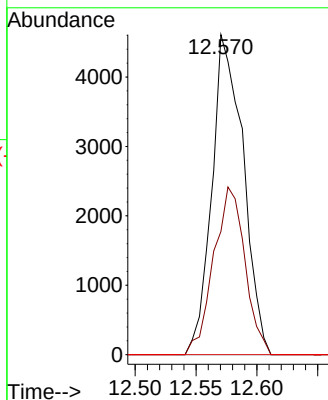
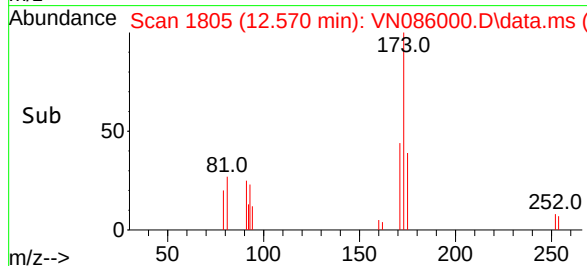
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:173 Resp: 825
Ion Ratio Lower Upper
173 100
175 52.4 24.3 73.0
254 0.0 0.0 0.0

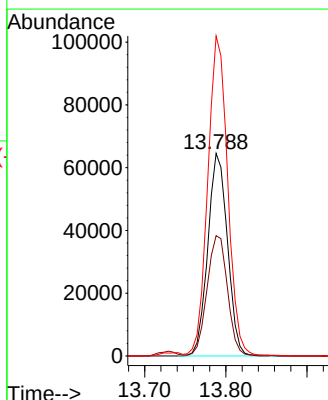
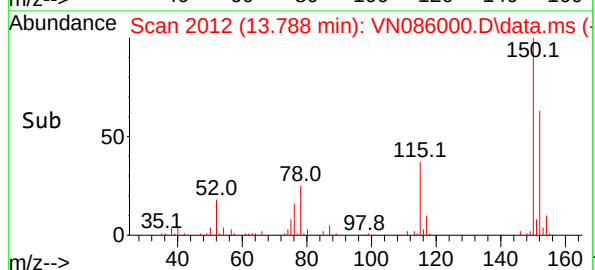
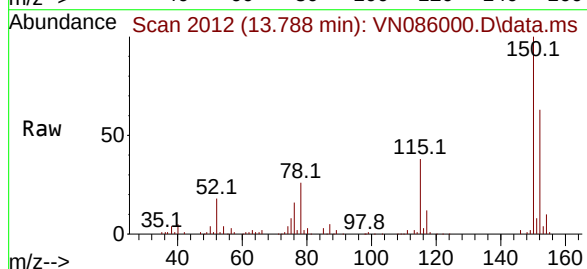
Manual Integrations
APPROVED

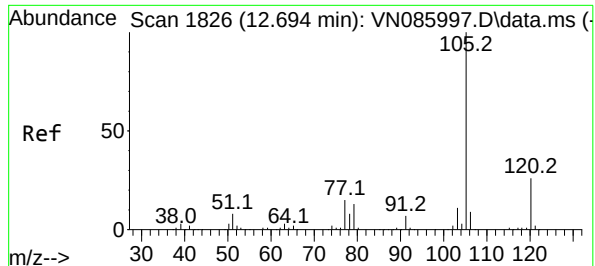
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion:152 Resp: 108673
Ion Ratio Lower Upper
152 100
115 61.6 31.1 93.2
150 160.3 0.0 359.6





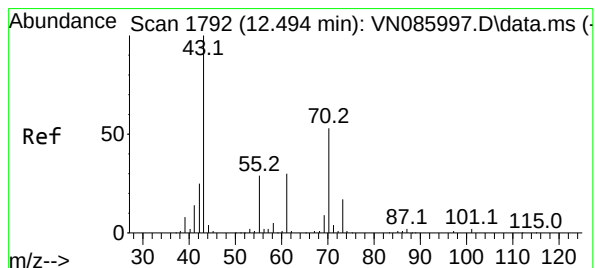
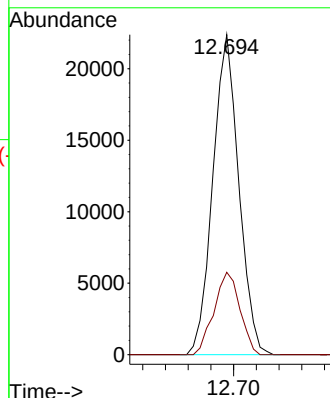
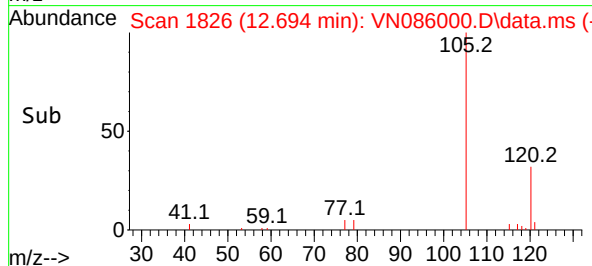
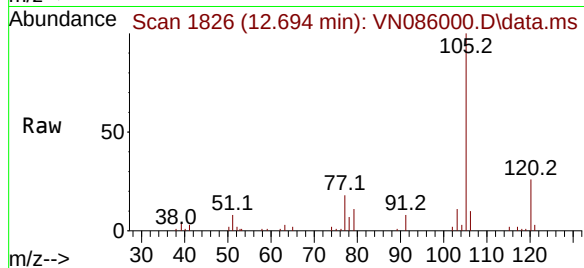
#73
Isopropylbenzene
Concen: 4.780 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 35470
Ion Ratio Lower Upper
105 100
120 25.7 13.0 39.0

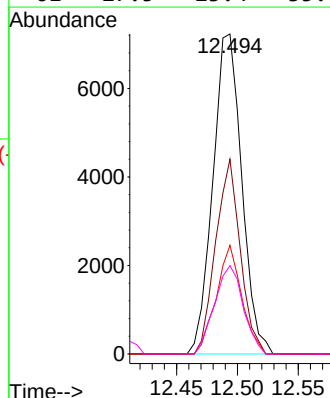
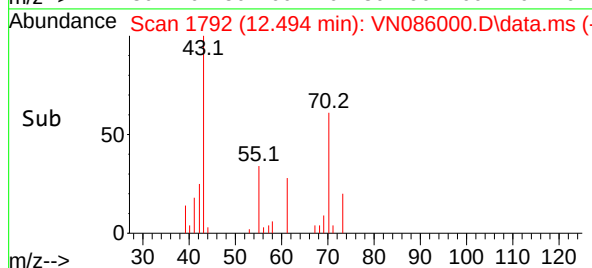
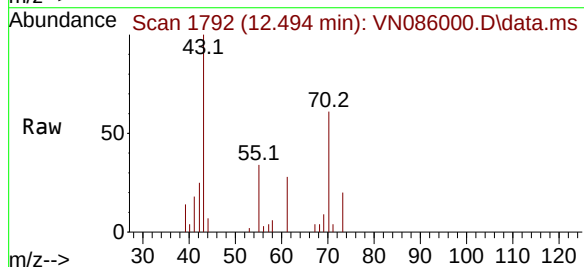
Manual Integrations
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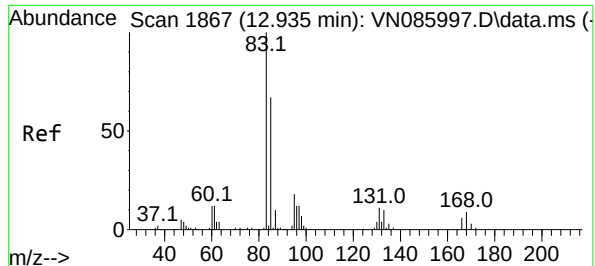
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#74
N-ethyl acetate
Concen: 4.806 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 43 Resp: 11933
Ion Ratio Lower Upper
43 100
70 51.9 43.0 64.4
55 30.0 23.8 35.8
61 27.5 23.4 35.0





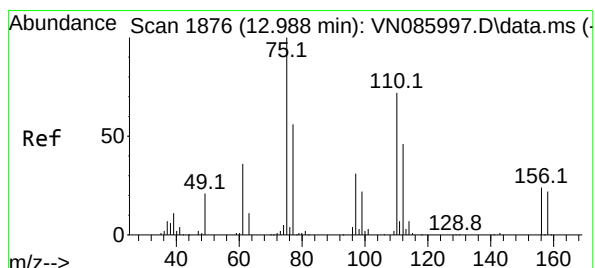
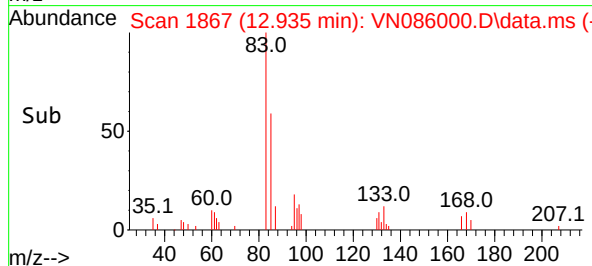
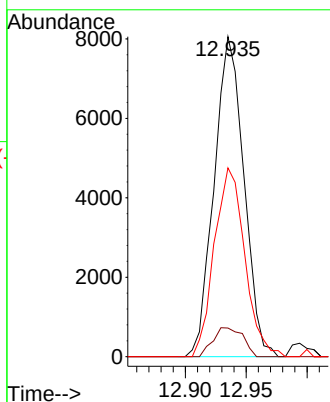
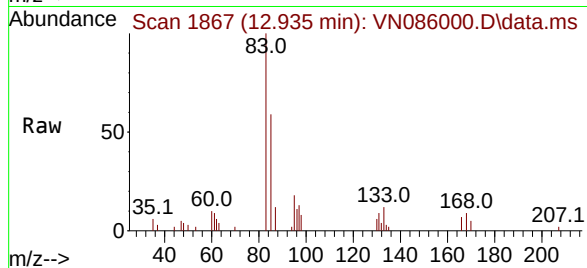
#75
1,1,2,2-Tetrachloroethane
Concen: 5.457 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13700
Ion Ratio Lower Upper
83 100
131 9.1 5.5 16.5
85 60.4 32.6 97.8

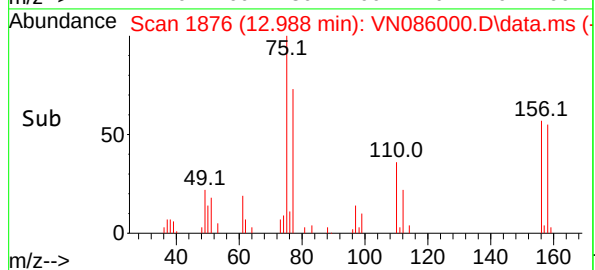
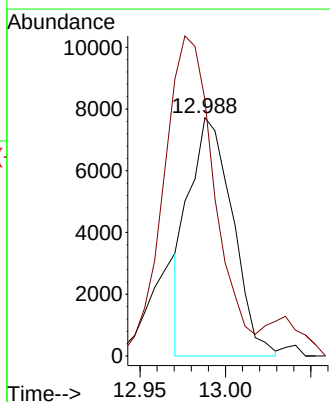
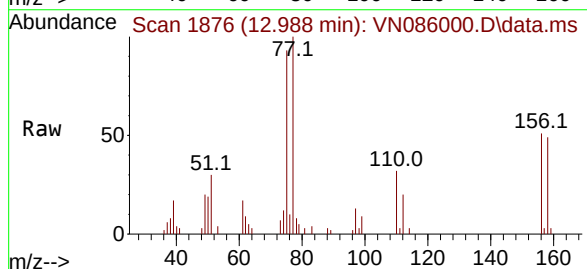
Manual Integrations
APPROVED

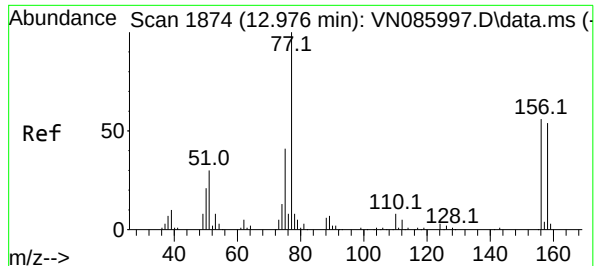
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 5.543 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

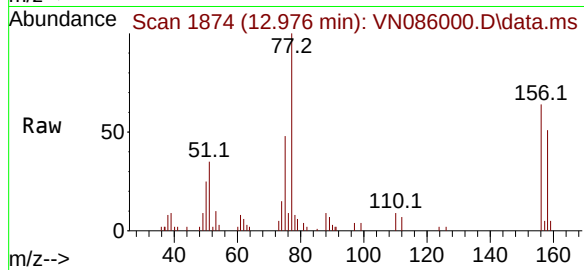
Tgt Ion: 75 Resp: 13734
Ion Ratio Lower Upper
75 100
77 156.4 83.7 251.0





#77
Bromobenzene
Concen: 5.222 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

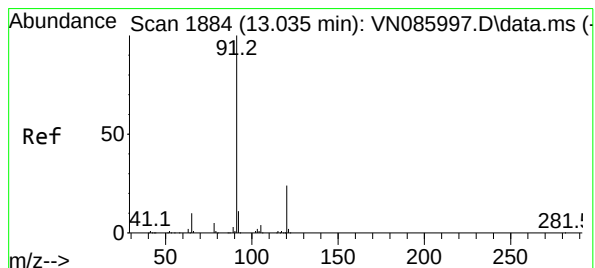
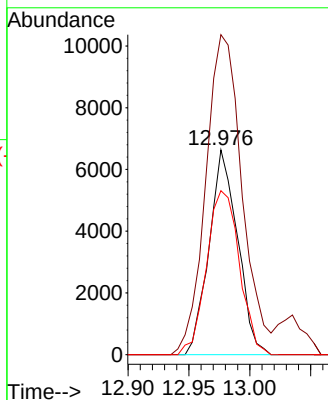
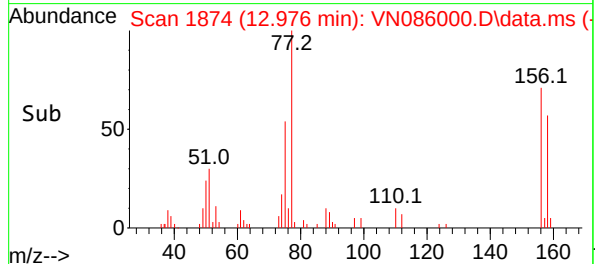
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



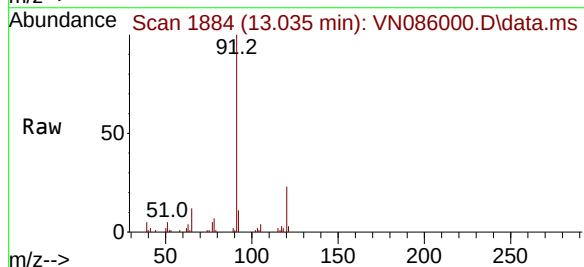
Tgt Ion:156 Resp: 1080
Ion Ratio Lower Upper
156 100
77 198.8 104.1 312.3
158 92.3 49.0 147.0

Manual Integrations
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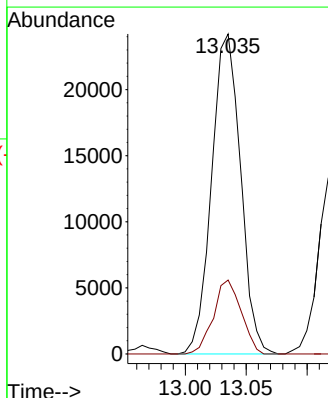
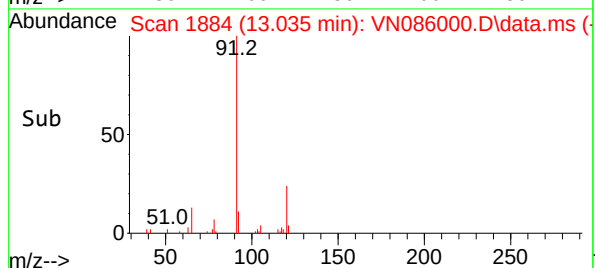
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

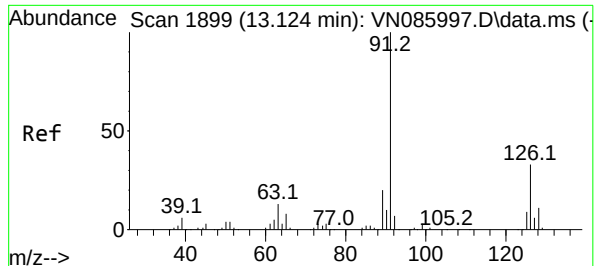


#78
n-propylbenzene
Concen: 4.766 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21



Tgt Ion: 91 Resp: 40052
Ion Ratio Lower Upper
91 100
120 22.1 11.7 35.0





#79

2-Chlorotoluene

Concen: 5.011 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 27970

Ion Ratio Lower Upper

91 100

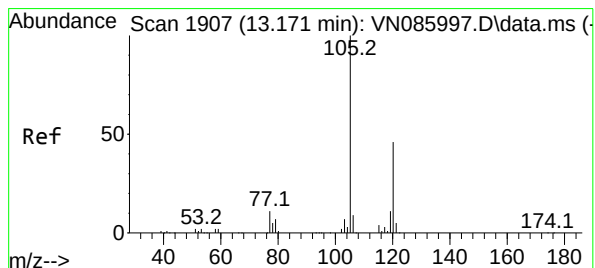
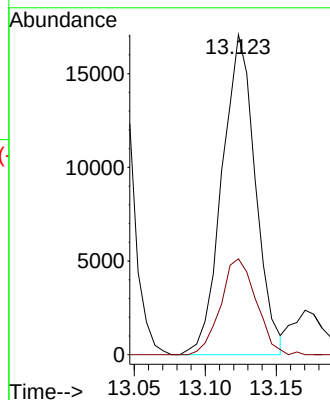
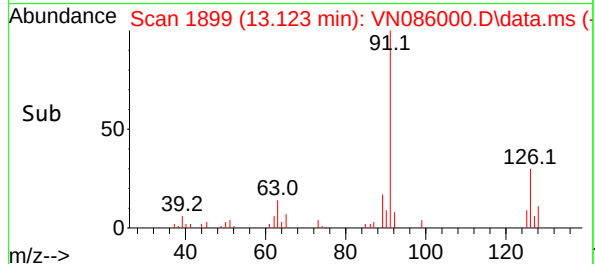
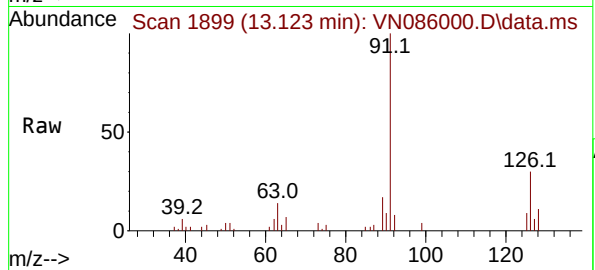
126 31.9 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.576 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086000.D

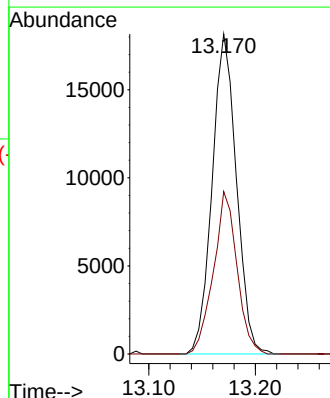
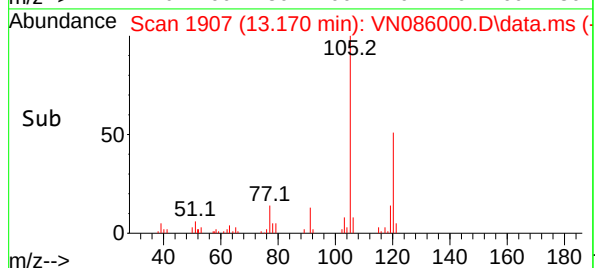
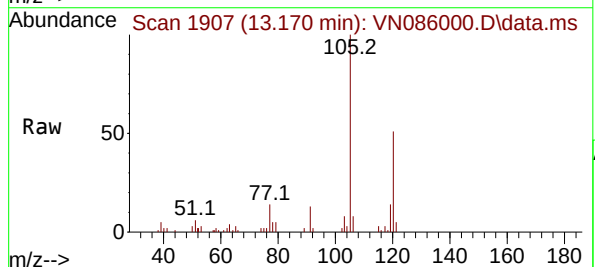
Acq: 18 Mar 2025 13:21

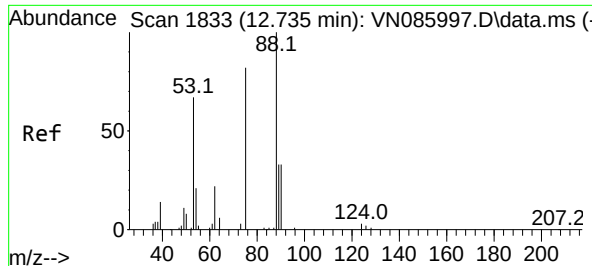
Tgt Ion:105 Resp: 28674

Ion Ratio Lower Upper

105 100

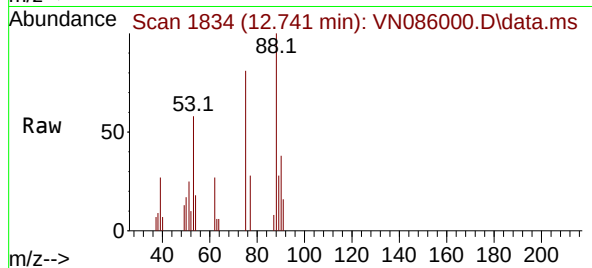
120 49.3 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 4.688 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

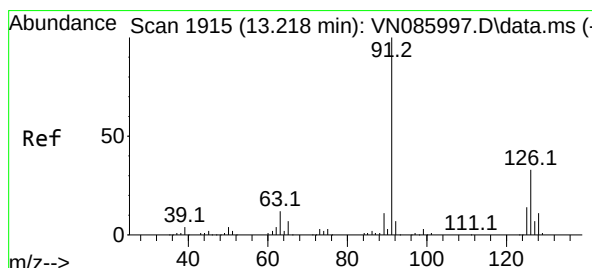
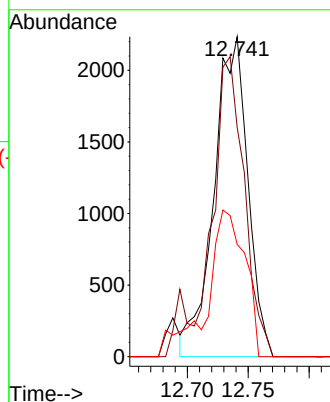
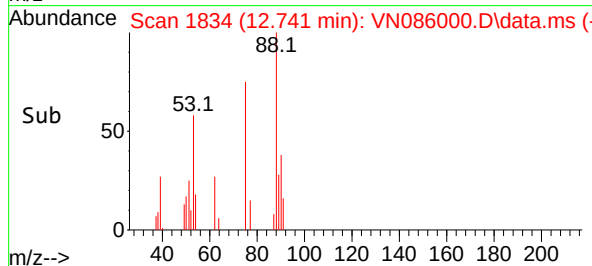
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 4314
Ion Ratio Lower Upper
75 100
53 83.7 66.0 99.0
89 51.6 36.9 55.3

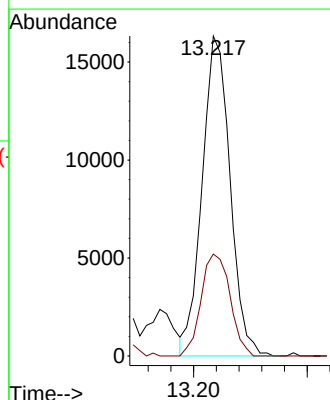
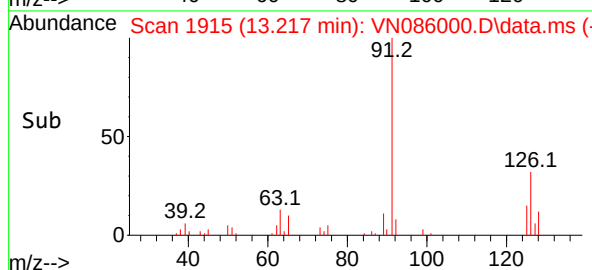
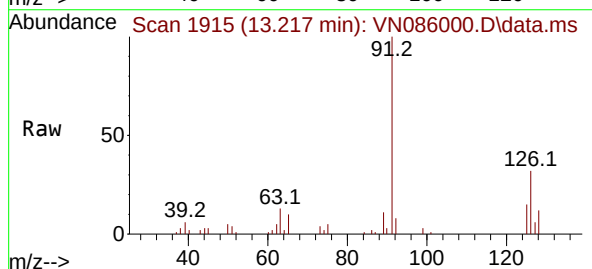
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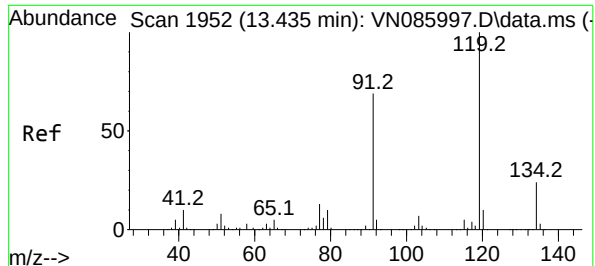
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 4.859 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 91 Resp: 27891
Ion Ratio Lower Upper
91 100
126 33.0 16.1 48.2





#83

tert-Butylbenzene

Concen: 4.621 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:119 Resp: 24760

Ion Ratio Lower Upper

119 100

91 70.6 34.3 102.9

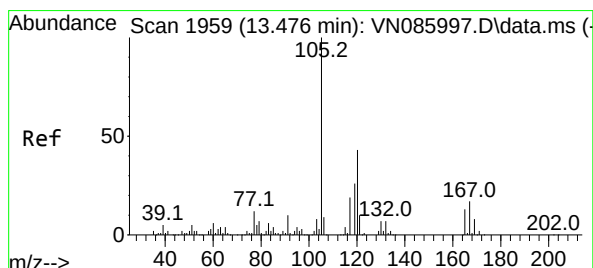
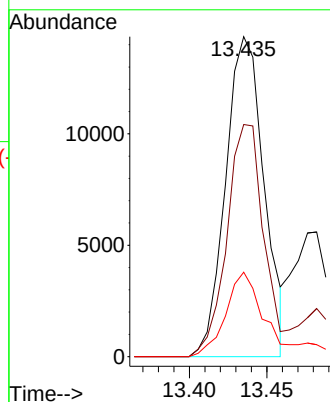
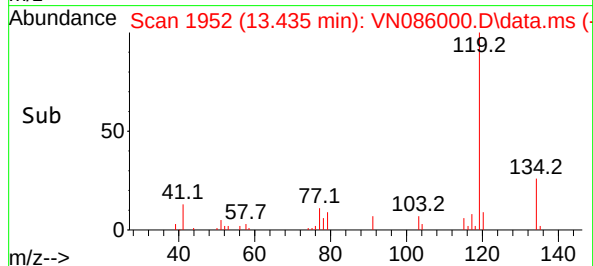
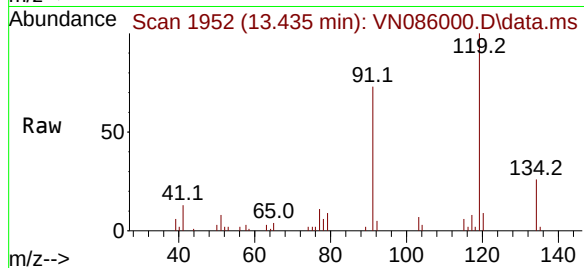
134 26.2 13.5 40.5

Manual Integrations

APPROVED

Reviewed By :John Carbone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.615 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN086000.D

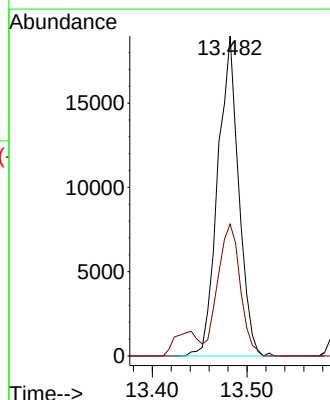
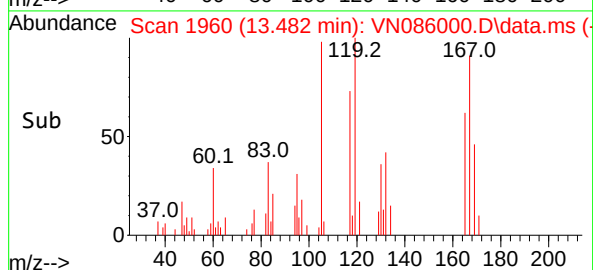
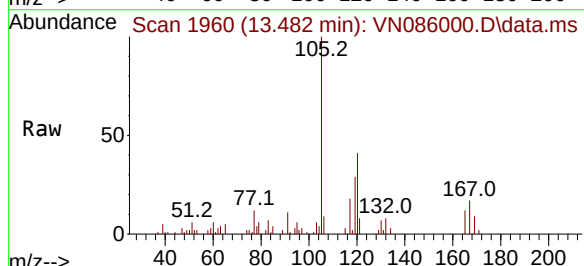
Acq: 18 Mar 2025 13:21

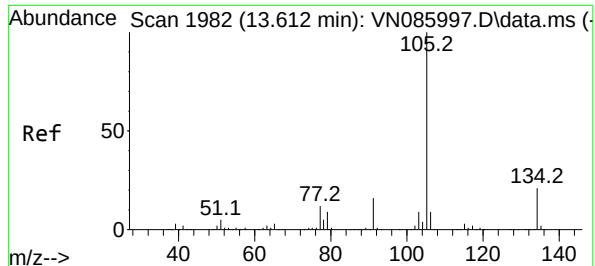
Tgt Ion:105 Resp: 29165

Ion Ratio Lower Upper

105 100

120 44.2 21.9 65.8





#85

sec-Butylbenzene

Concen: 4.677 ug/l

RT: 13.617 min Scan# 1982

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 32694

Ion Ratio Lower Upper

105 100

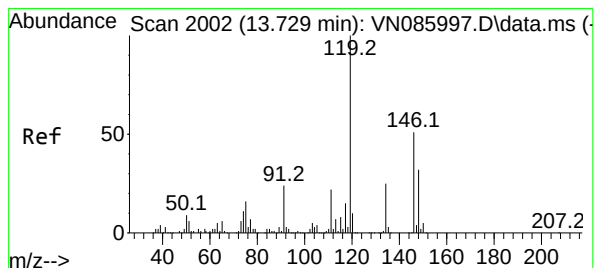
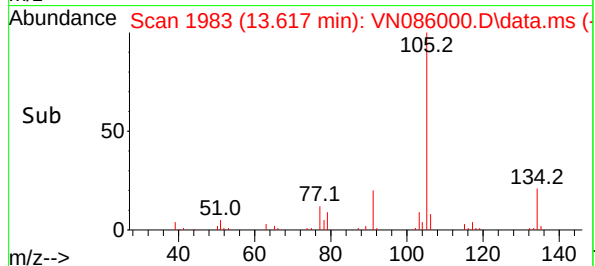
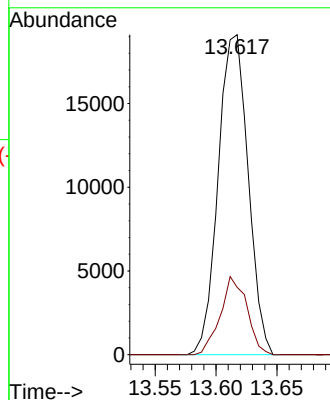
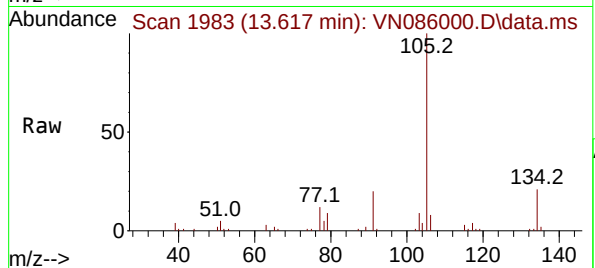
134 21.7 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#86

p-Isopropyltoluene

Concen: 4.425 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

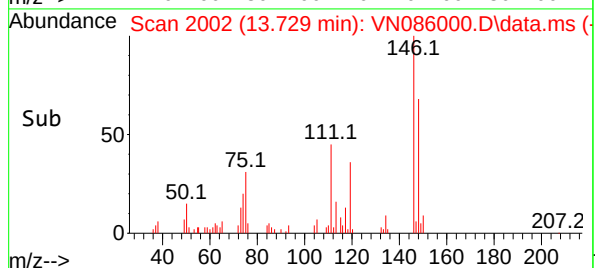
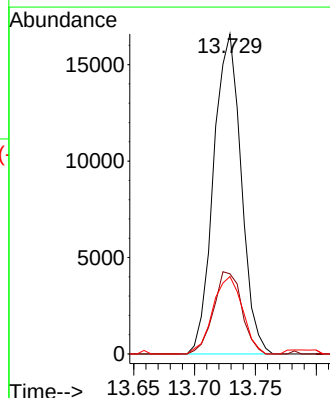
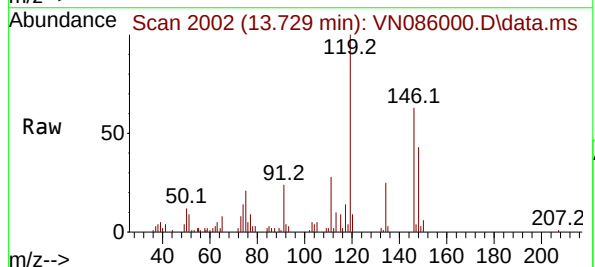
Tgt Ion:119 Resp: 26188

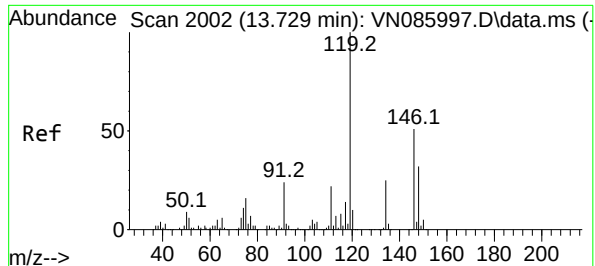
Ion Ratio Lower Upper

119 100

134 26.3 12.6 37.8

91 26.0 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 5.004 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 1866

Ion Ratio Lower Upper

146 100

111 42.7 21.2 63.6

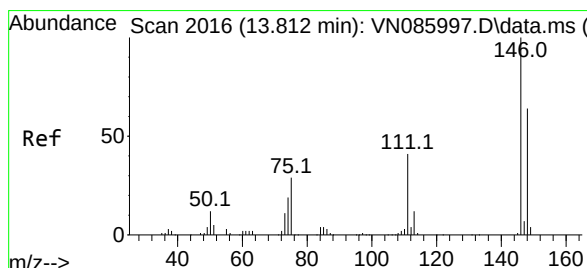
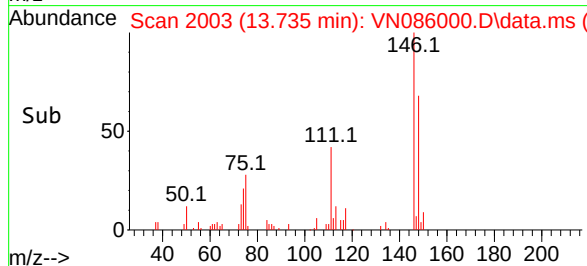
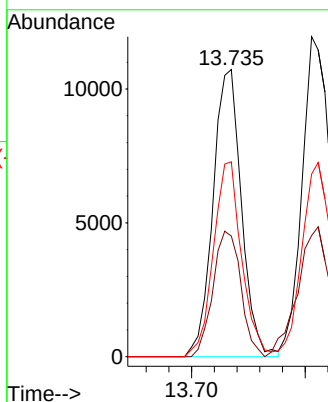
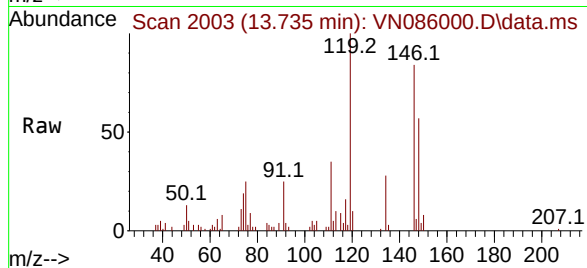
148 67.4 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 5.288 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

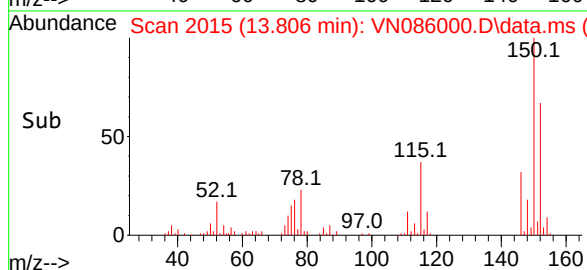
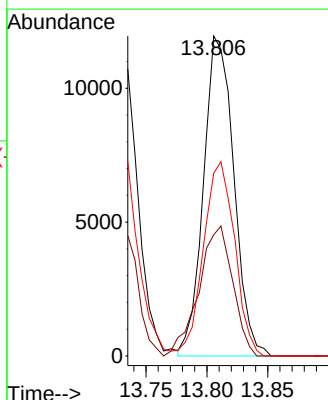
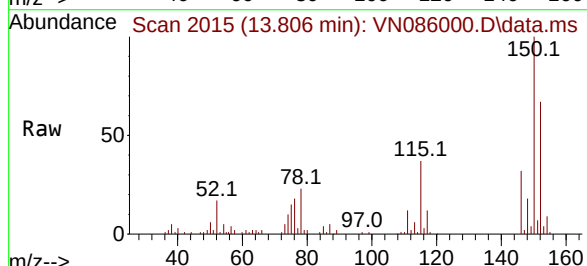
Tgt Ion:146 Resp: 20725

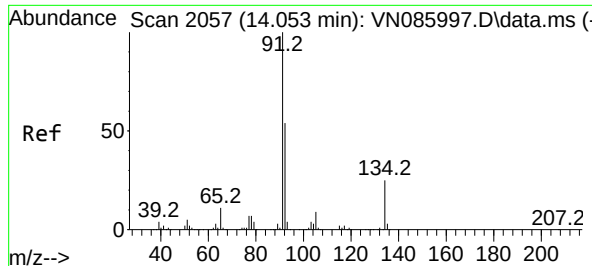
Ion Ratio Lower Upper

146 100

111 45.3 20.4 61.3

148 62.6 32.1 96.5





#89

n-Butylbenzene

Concen: 4.468 ug/l

RT: 14.059 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

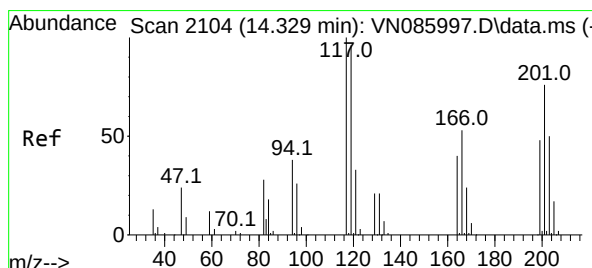
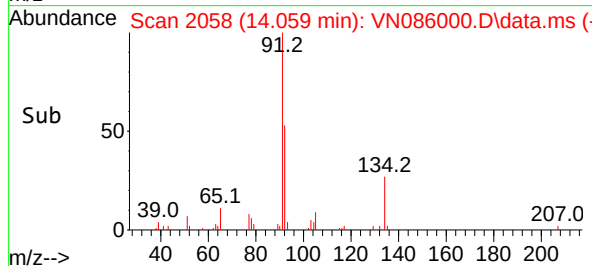
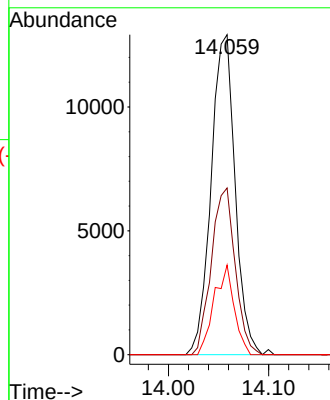
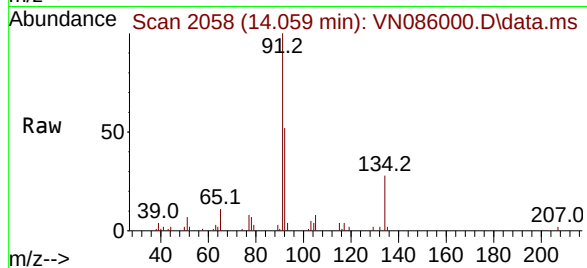
Tgt Ion:	91	Resp:	21529
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.9	80.6
134	23.4	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 5.154 ug/l

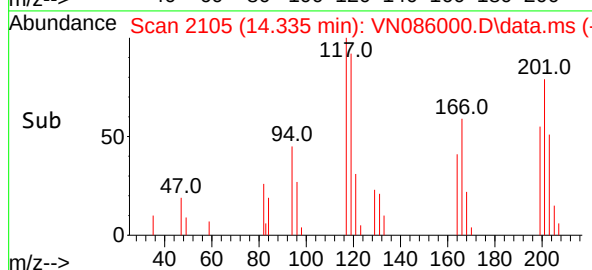
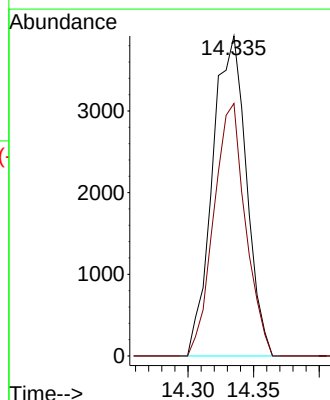
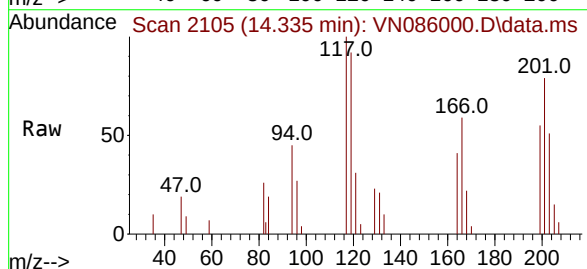
RT: 14.335 min Scan# 2105

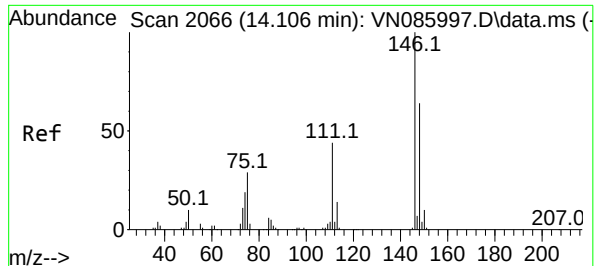
Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion:	117	Resp:	7037
Ion	Ratio	Lower	Upper
117	100		
201	73.8	39.1	117.3





#91

1,2-Dichlorobenzene

Concen: 5.052 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 1873

Ion Ratio Lower Upper

146 100

111 42.1 22.3 66.8

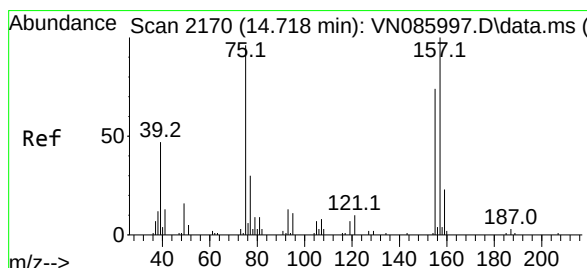
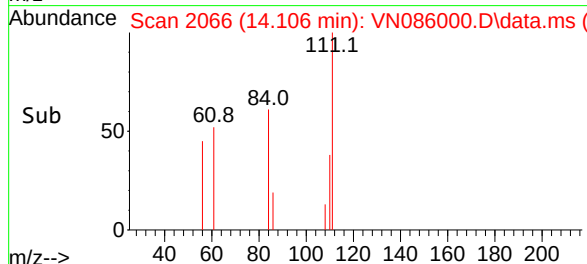
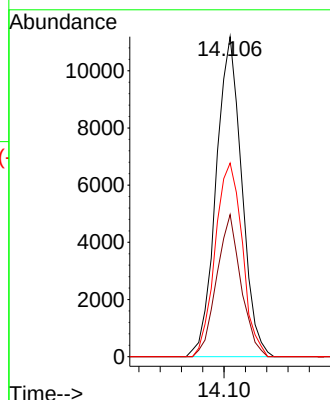
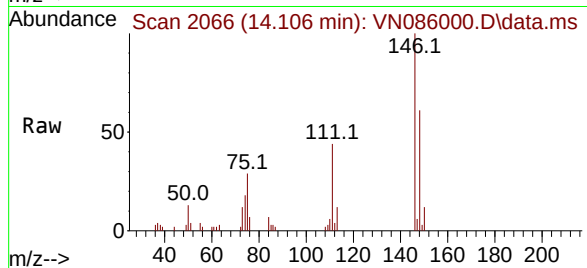
148 63.8 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.415 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

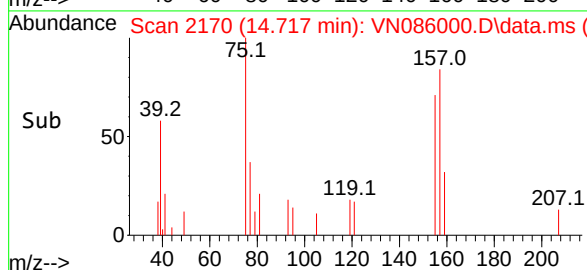
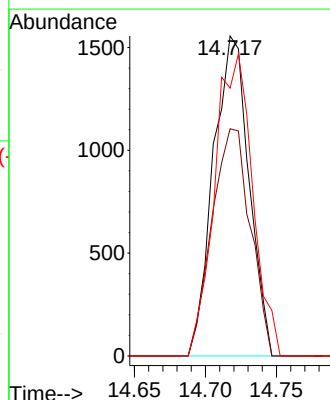
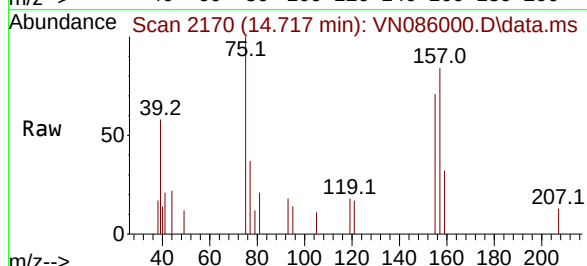
Tgt Ion: 75 Resp: 2714

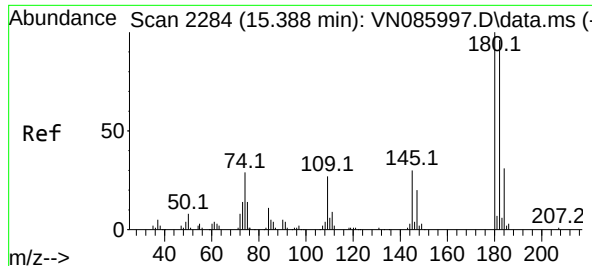
Ion Ratio Lower Upper

75 100

155 76.3 41.0 123.0

157 100.4 53.7 161.1





#93

1,2,4-Trichlorobenzene

Concen: 4.962 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

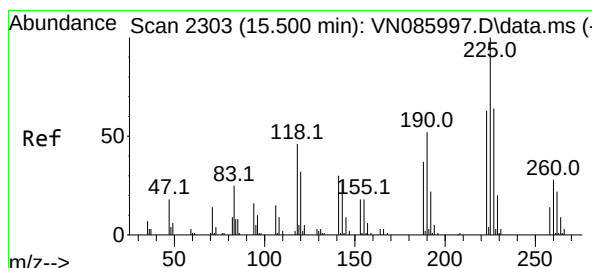
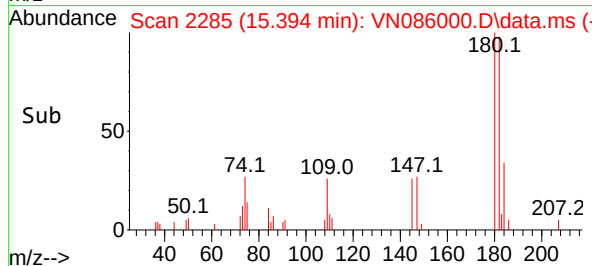
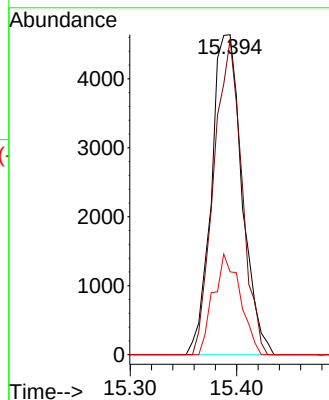
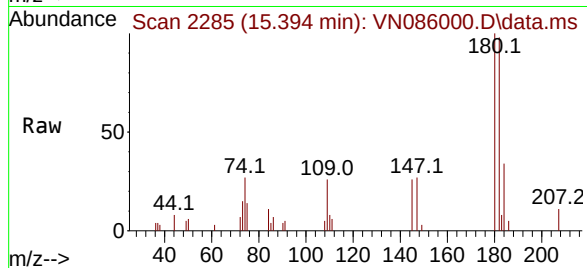
Tgt Ion:180	Resp:	925
Ion Ratio	Lower	Upper
180	100	
182	89.9	47.0 141.0
145	27.5	15.5 46.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 5.240 ug/l

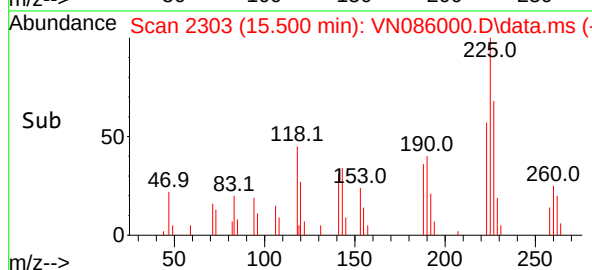
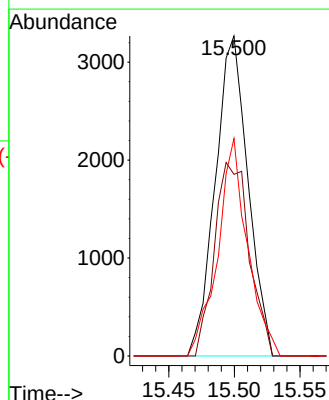
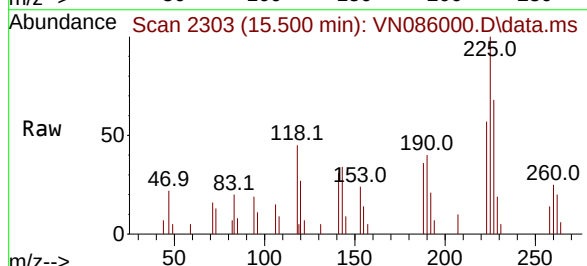
RT: 15.500 min Scan# 2303

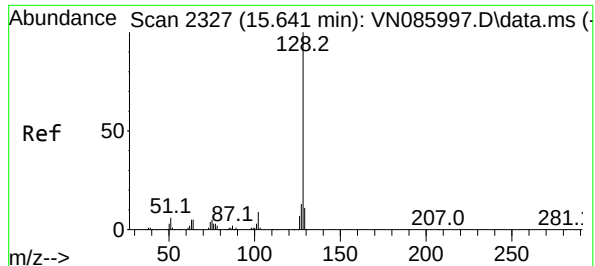
Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

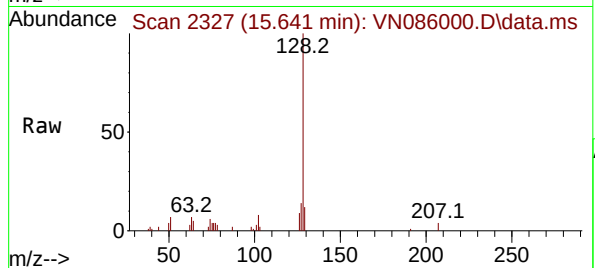
Tgt Ion:225	Resp:	5668
Ion Ratio	Lower	Upper
225	100	
223	64.4	31.3 93.9
227	61.7	32.1 96.3





#95
Naphthalene
Concen: 4.450 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

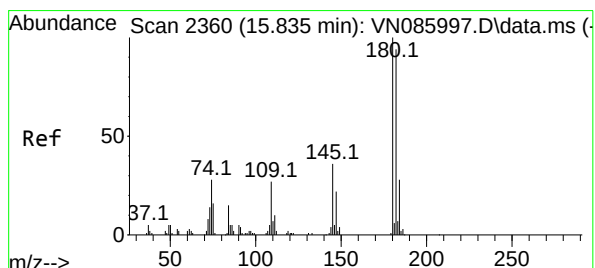
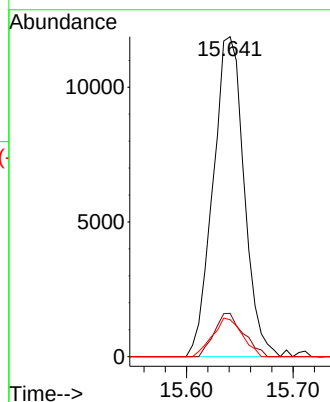
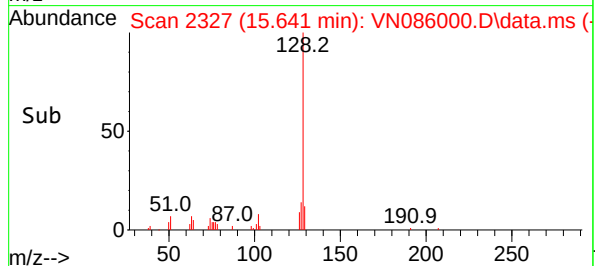
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



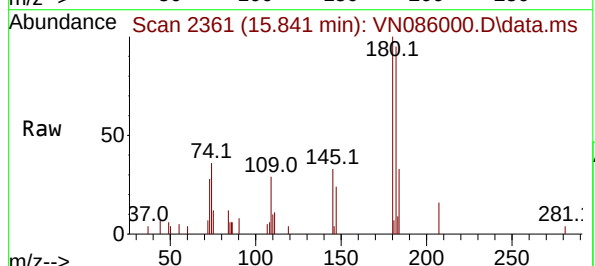
Tgt Ion:128 Resp: 2402
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.5 9.0 13.6

Manual Integrations
APPROVED

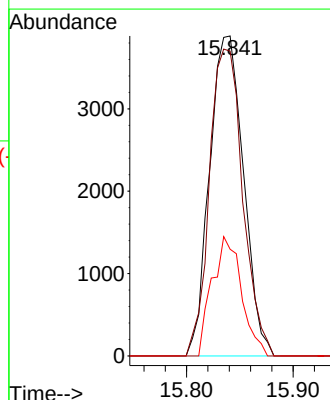
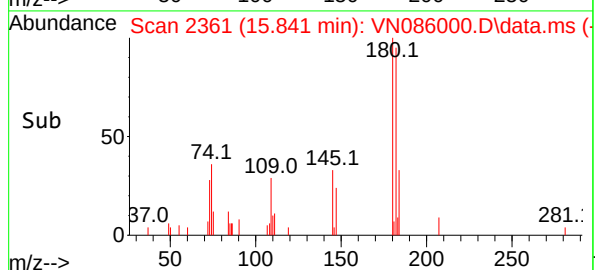
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.858 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21



Tgt Ion:180 Resp: 8594
Ion Ratio Lower Upper
180 100
182 94.2 47.5 142.5
145 32.3 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086001.D
 Acq On : 18 Mar 2025 14:09
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:57:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	145853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	206893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	83272	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	2.124	85	1979	1.024	ug/l	86
3) Chloromethane	2.359	50	1992	1.176	ug/l	99
4) Vinyl Chloride	2.512	62	1726	0.996	ug/l #	74
6) Chloroethane	3.124	64	1302	1.192	ug/l	90
7) Trichlorofluoromethane	3.500	101	3696	1.187	ug/l	86
8) Diethyl Ether	3.959	74	980	1.028	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.365	101	1923m	1.162	ug/l	
12) 1,1-Dichloroethene	4.347	96	1210	0.810	ug/l #	69
14) Allyl chloride	5.024	41	1936	1.039	ug/l #	85
15) Acrylonitrile	5.724	53	3682	4.930	ug/l #	68
16) Acetone	4.436	43	3256	5.336	ug/l	99
17) Carbon Disulfide	4.706	76	6146	1.251	ug/l #	94
18) Methyl Acetate	5.024	43	1947	1.290	ug/l #	77
19) Methyl tert-butyl Ether	5.794	73	4880	0.997	ug/l #	91
20) Methylene Chloride	5.271	84	2132	1.194	ug/l #	80
21) trans-1,2-Dichloroethene	5.794	96	1725	1.056	ug/l #	76
22) Diisopropyl ether	6.677	45	3402m	0.856	ug/l	
23) Vinyl Acetate	6.606	43	12634	4.195	ug/l	98
24) 1,1-Dichloroethane	6.577	63	3295m	1.128	ug/l	
25) 2-Butanone	7.482	43	4310	4.895	ug/l	95
26) 2,2-Dichloropropane	7.482	77	2930	1.042	ug/l #	68
27) cis-1,2-Dichloroethene	7.488	96	1845	0.994	ug/l	90
28) Bromochloromethane	7.812	49	1520	1.228	ug/l #	98
29) Tetrahydrofuran	7.841	42	2219	4.082	ug/l #	81
30) Chloroform	7.959	83	3631	1.125	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	3278	1.072	ug/l #	42
36) 1,1-Dichloropropene	8.376	75	2281	0.994	ug/l	97
37) Ethyl Acetate	7.559	43	1939m	1.002	ug/l	
38) Carbon Tetrachloride	8.365	117	3114	1.032	ug/l #	95
39) Methylcyclohexane	9.594	83	2186	0.960	ug/l	92
40) Benzene	8.606	78	7317	1.016	ug/l	96
41) Methacrylonitrile	7.777	41	657	0.711	ug/l #	72
42) 1,2-Dichloroethane	8.671	62	2601	1.036	ug/l	80
43) Isopropyl Acetate	8.694	43	5607	1.334	ug/l #	75
44) Trichloroethene	9.347	130	2173	1.164	ug/l	74
45) 1,2-Dichloropropane	9.623	63	1541	0.941	ug/l #	83

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086001.D
 Acq On : 18 Mar 2025 14:09
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:57:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

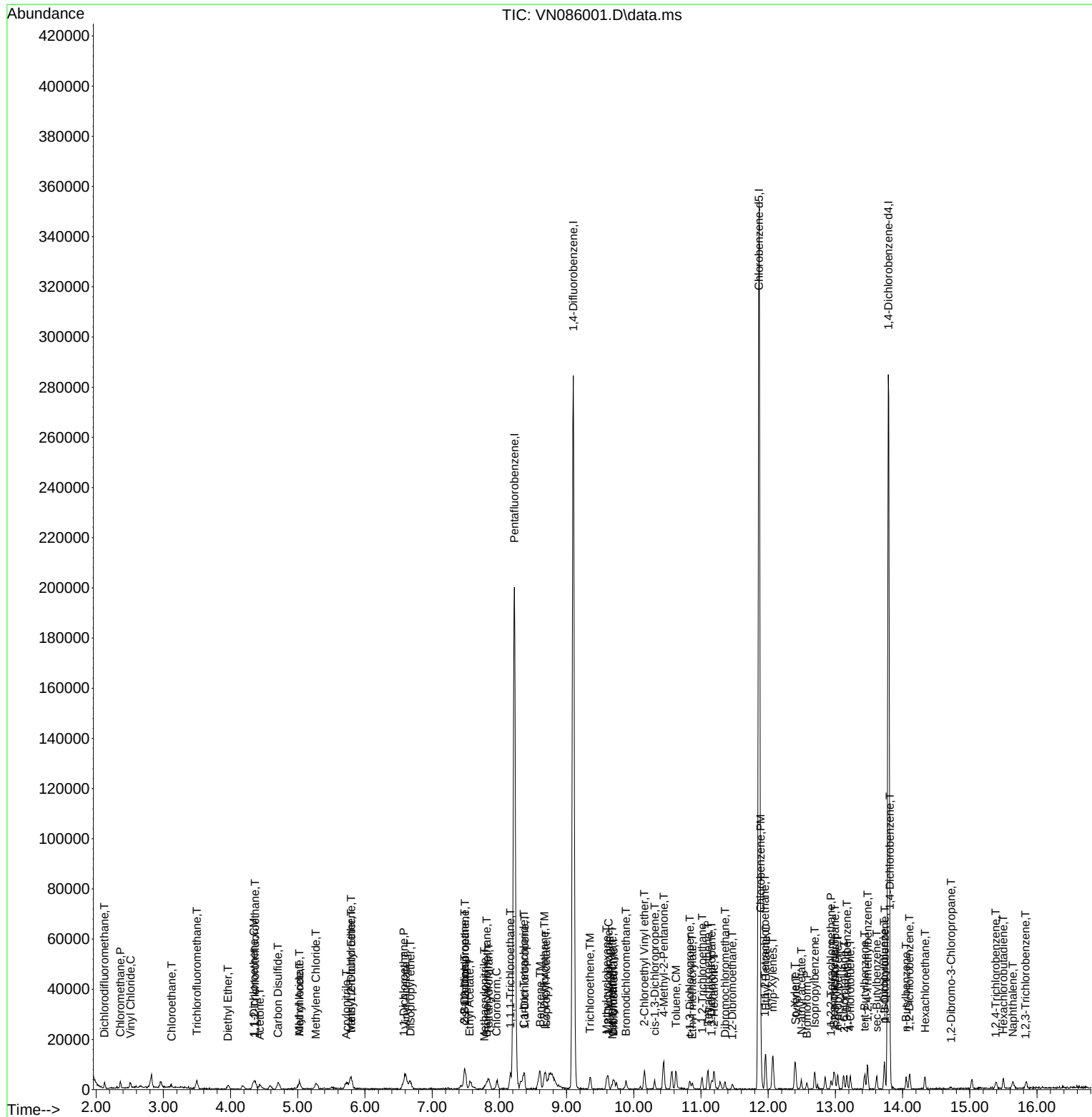
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.700	93	1370	1.064	ug/l	90
47) Bromodichloromethane	9.882	83	2680	0.995	ug/l #	82
48) Methyl methacrylate	9.682	41	1275	0.921	ug/l #	77
49) 1,4-Dioxane	9.688	88	458	13.999	ug/l #	47
51) 4-Methyl-2-Pentanone	10.447	43	7154	3.868	ug/l	94
52) Toluene	10.629	92	3631	0.821	ug/l	95
53) t-1,3-Dichloropropene	10.835	75	2225	0.851	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	2318	0.840	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	1670	0.990	ug/l #	86
56) Ethyl methacrylate	10.870	69	1488	0.886	ug/l	90
57) 1,3-Dichloropropane	11.159	76	2752	0.960	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	3357	7.514	ug/l	99
59) 2-Hexanone	11.194	43	5032	3.734	ug/l	87
60) Dibromochloromethane	11.359	129	2077	0.954	ug/l	92
61) 1,2-Dibromoethane	11.465	107	1624	0.938	ug/l	94
64) Tetrachloroethene	11.106	164	1792	1.086	ug/l	92
65) Chlorobenzene	11.888	112	5000	1.056	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.953	131	1843	1.047	ug/l #	66
67) Ethyl Benzene	11.964	91	6561	0.866	ug/l	99
68) m/p-Xylenes	12.070	106	5319	1.787	ug/l	82
69) o-Xylene	12.400	106	2200	0.805	ug/l	92
70) Styrene	12.412	104	3823	0.819	ug/l	87
71) Bromoform	12.576	173	1536	1.044	ug/l #	91
73) Isopropylbenzene	12.694	105	5061	0.890	ug/l	97
74) N-amyl acetate	12.494	43	1639	0.861	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	2184	1.135	ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	1541m	0.812	ug/l	
77) Bromobenzene	12.976	156	1666	1.051	ug/l	98
78) n-propylbenzene	13.035	91	5242	0.814	ug/l	98
79) 2-Chlorotoluene	13.129	91	3888	0.909	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	3984	0.830	ug/l	97
82) 4-Chlorotoluene	13.223	91	4068	0.925	ug/l	100
83) tert-Butylbenzene	13.435	119	3963	0.965	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	3881	0.801	ug/l	97
85) sec-Butylbenzene	13.617	105	4035	0.753	ug/l	99
86) p-Isopropyltoluene	13.723	119	3477	0.767	ug/l	93
87) 1,3-Dichlorobenzene	13.735	146	2812	0.984	ug/l	92
88) 1,4-Dichlorobenzene	13.811	146	3403m	1.133	ug/l	
89) n-Butylbenzene	14.053	91	3124	0.846	ug/l	93
90) Hexachloroethane	14.335	117	1276	1.220	ug/l	76
91) 1,2-Dichlorobenzene	14.100	146	3337	1.174	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	319	0.831	ug/l #	20
93) 1,2,4-Trichlorobenzene	15.388	180	1497	1.048	ug/l	94
94) Hexachlorobutadiene	15.500	225	965	1.164	ug/l	80
95) Naphthalene	15.641	128	4162	1.006	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.829	180	1329	0.980	ug/l #	86

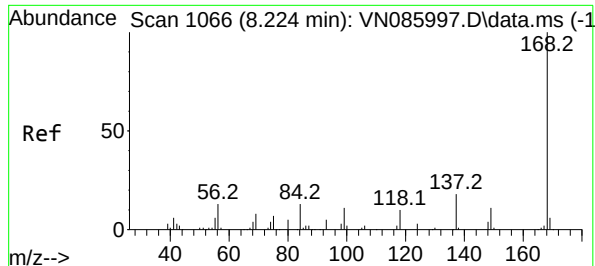
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations

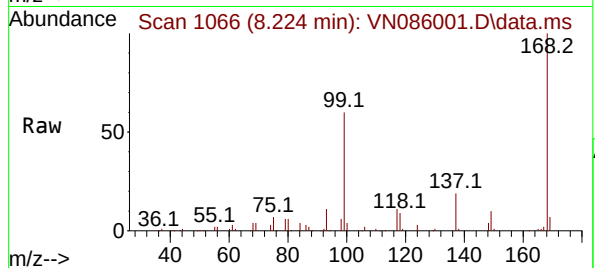
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

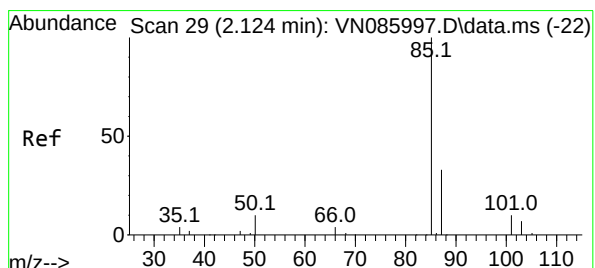
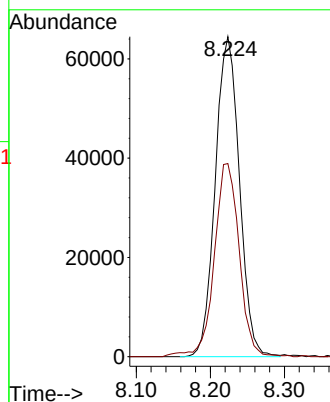
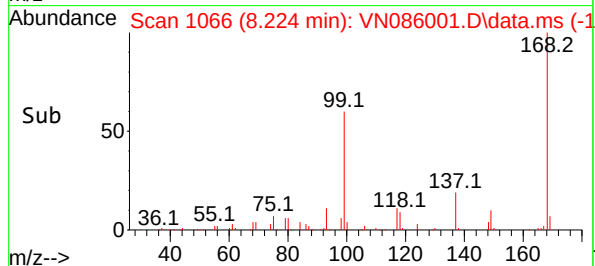
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion:168 Resp: 14585
Ion Ratio Lower Upper
168 100
99 60.0 49.4 74.2

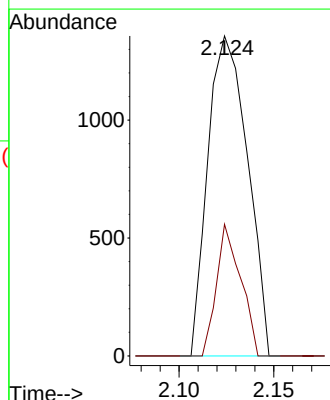
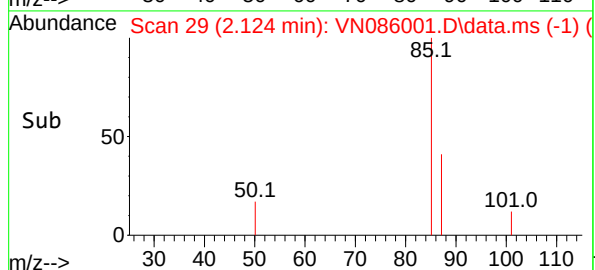
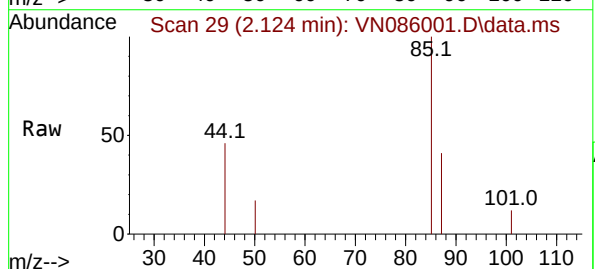
Manual Integrations
APPROVED

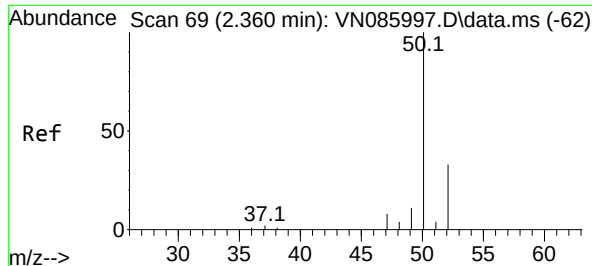
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 1.024 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 85 Resp: 1979
Ion Ratio Lower Upper
85 100
87 41.1 16.5 49.5





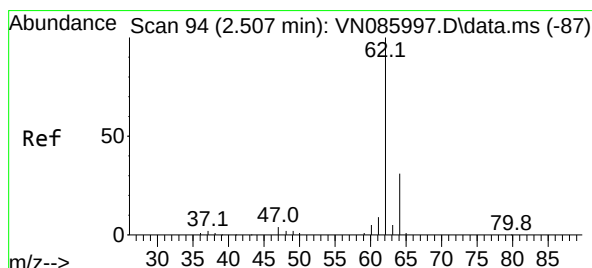
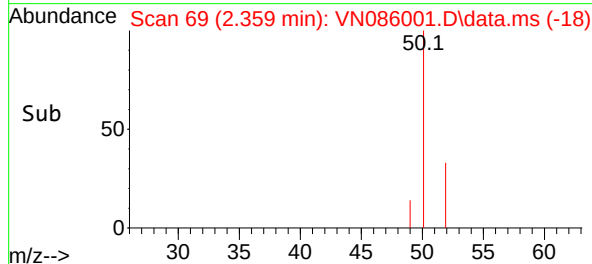
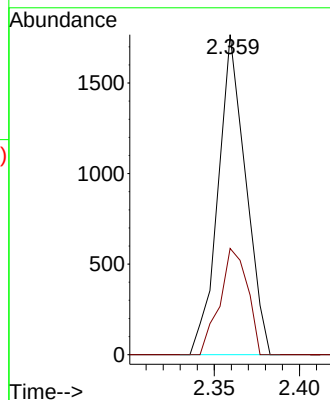
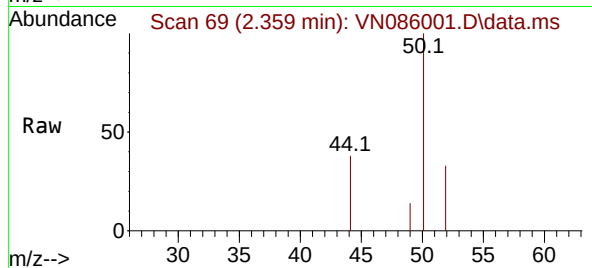
#3
Chloromethane
Concen: 1.176 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1992
Ion Ratio Lower Upper
50 100
52 33.2 26.0 39.0

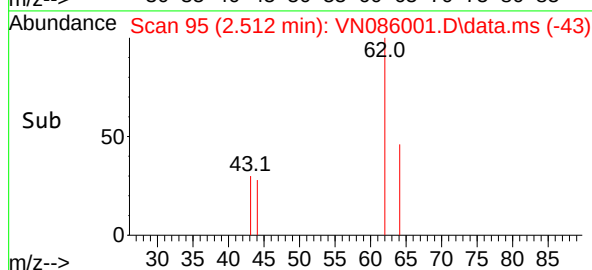
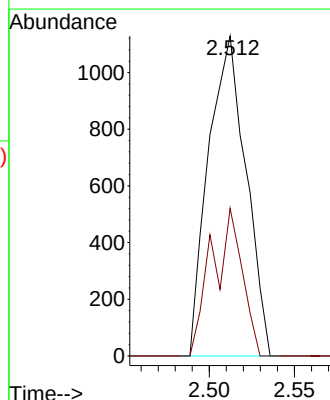
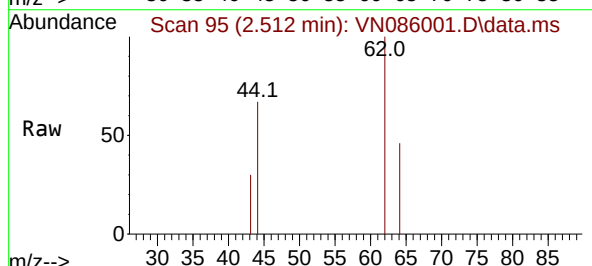
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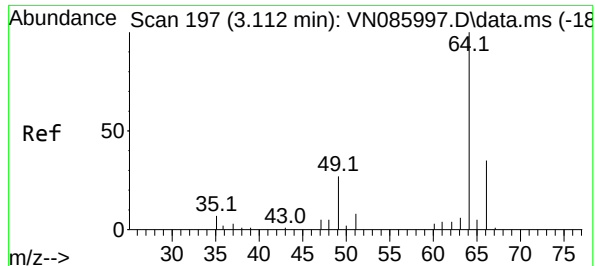
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 0.996 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

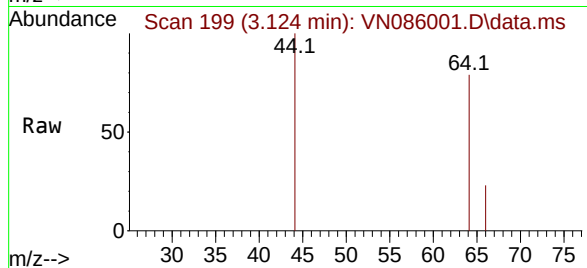
Tgt Ion: 62 Resp: 1726
Ion Ratio Lower Upper
62 100
64 46.1 25.2 37.8#





#6
Chloroethane
Concen: 1.192 ug/l
RT: 3.124 min Scan# 197
Delta R.T. 0.011 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

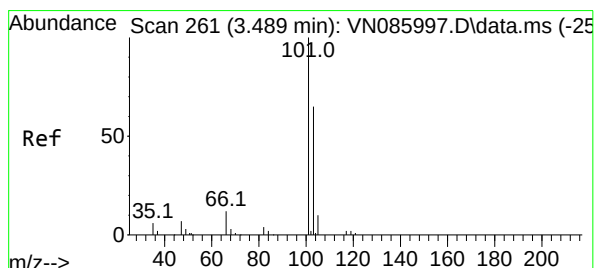
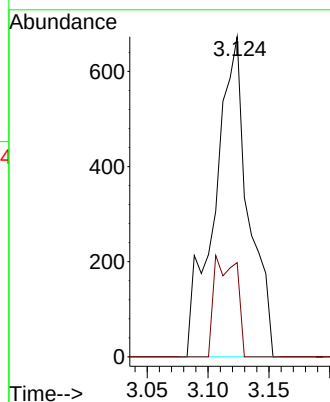
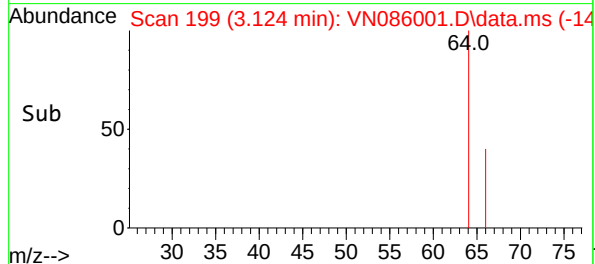
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 64 Resp: 1302
Ion Ratio Lower Upper
64 100
66 29.4 28.3 42.5

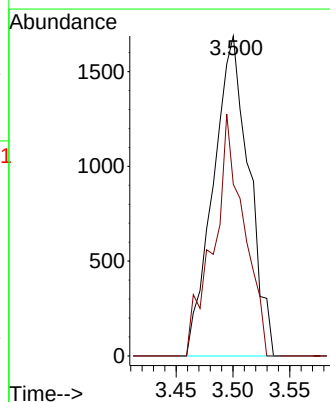
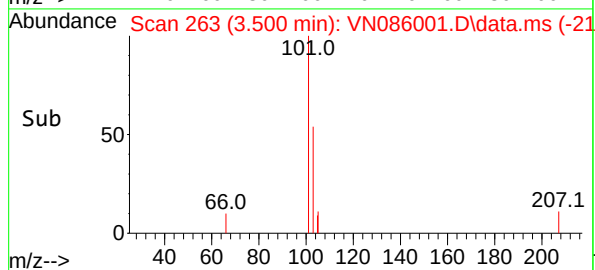
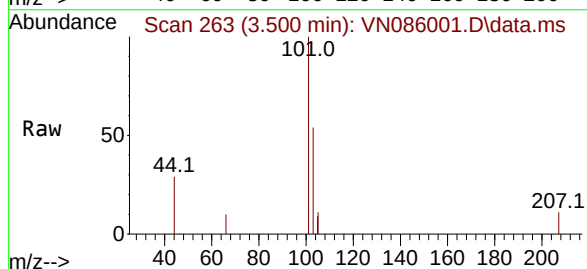
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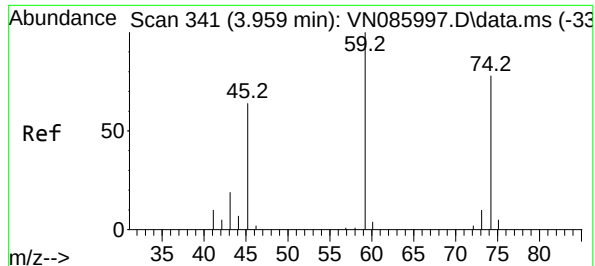
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#7
Trichlorofluoromethane
Concen: 1.187 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.011 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion:101 Resp: 3696
Ion Ratio Lower Upper
101 100
103 53.6 51.7 77.5



#8
Diethyl Ether

Concen: 1.028 ug/l

RT: 3.959 min Scan# 341

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 74 Resp: 980

Ion Ratio Lower Upper

74 100

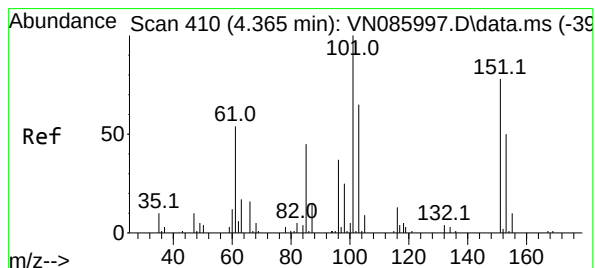
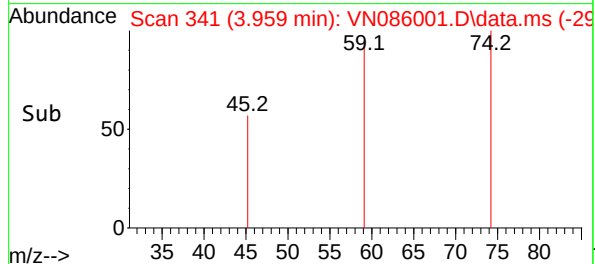
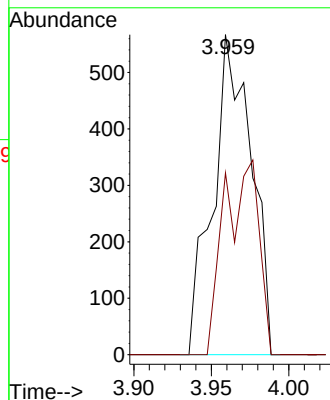
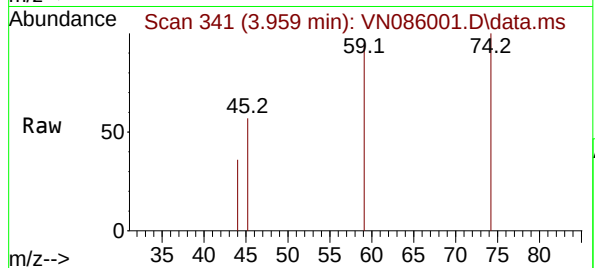
45 54.1 38.0 113.9

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.162 ug/l m

RT: 4.365 min Scan# 410

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

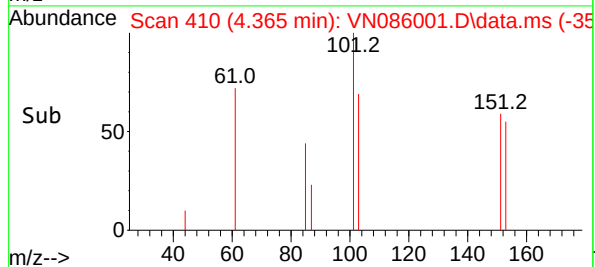
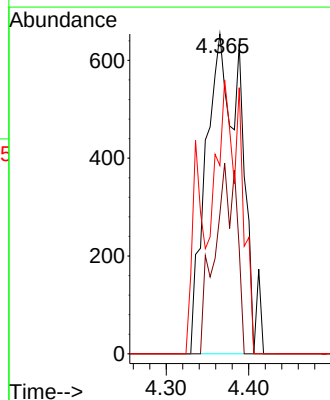
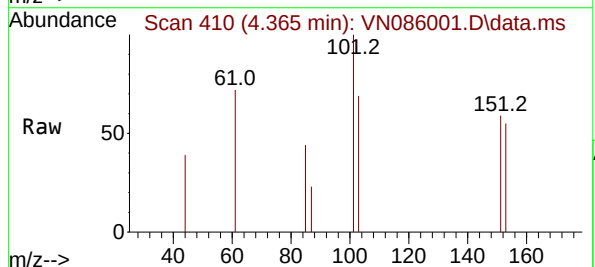
Tgt Ion:101 Resp: 1923

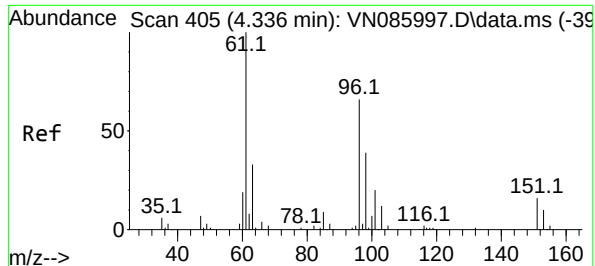
Ion Ratio Lower Upper

101 100

85 38.1 36.5 54.7

151 62.4 63.4 95.0#





#12

1,1-Dichloroethene

Concen: 0.810 ug/l

RT: 4.347 min Scan# 405

Delta R.T. 0.011 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 1210

Ion Ratio Lower Upper

96 100

61 105.8 120.5 180.7

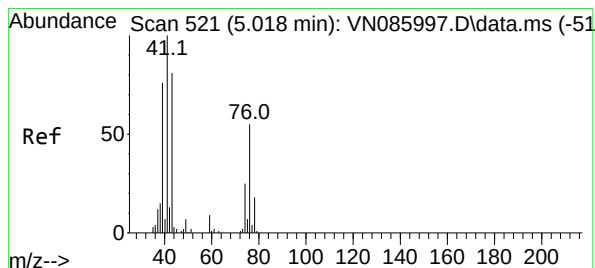
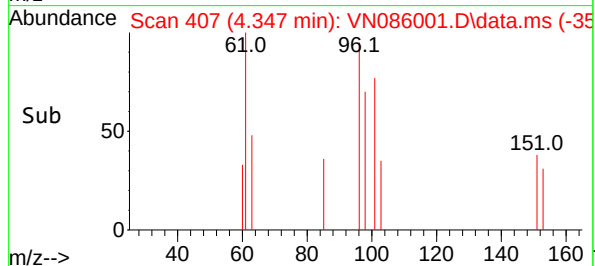
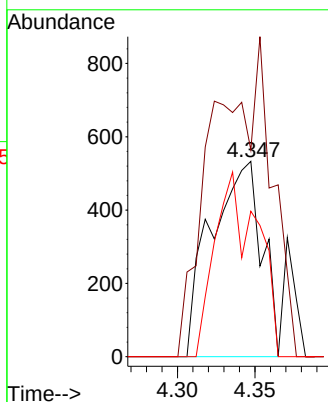
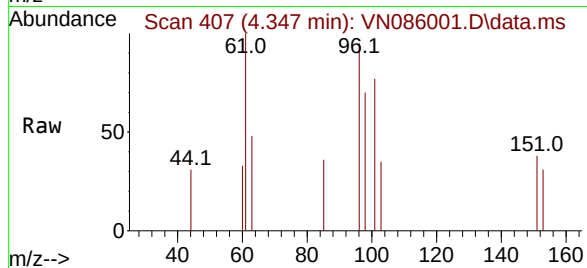
98 74.5 47.4 71.0

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 1.039 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

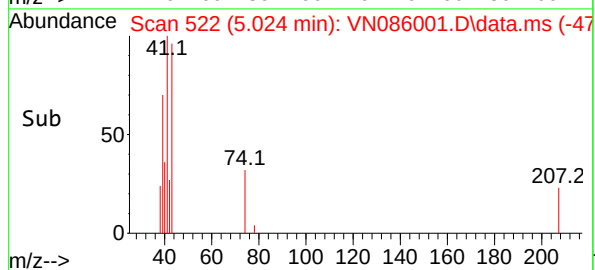
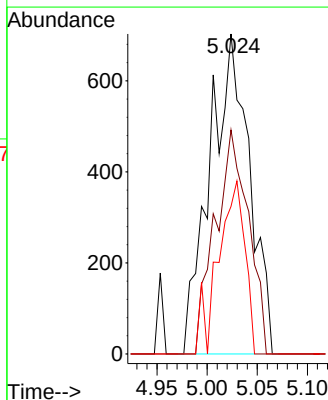
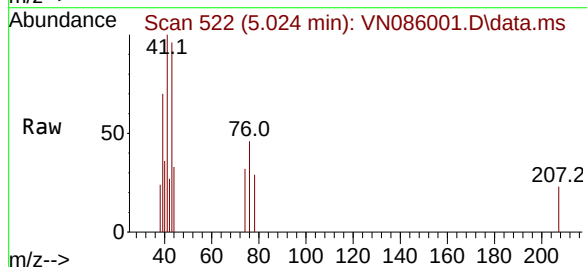
Tgt Ion: 41 Resp: 1936

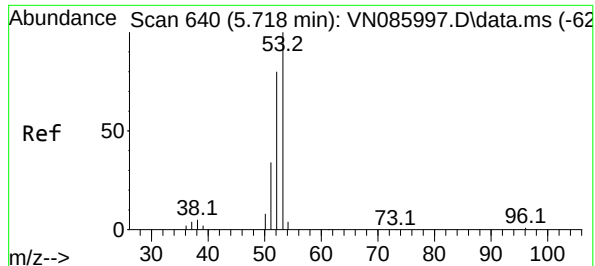
Ion Ratio Lower Upper

41 100

39 58.7 55.5 83.3

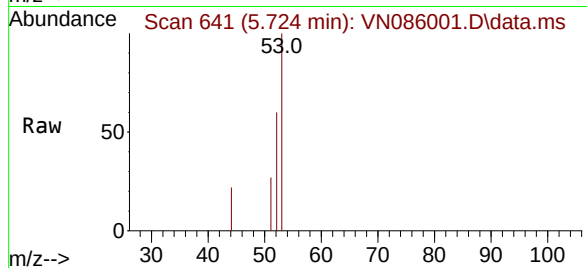
76 36.5 39.1 58.7





#15
Acrylonitrile
Concen: 4.930 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

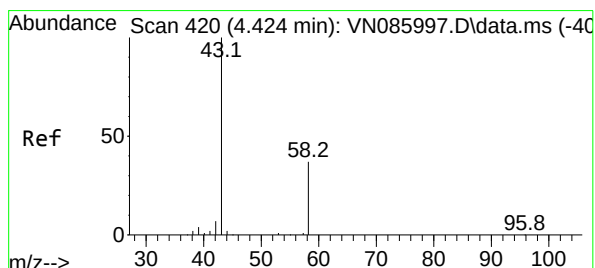
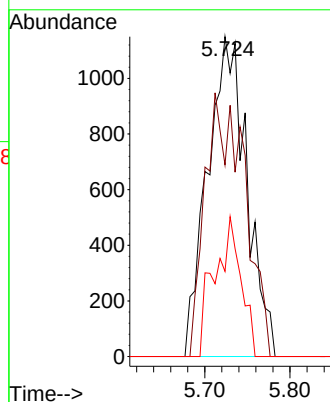
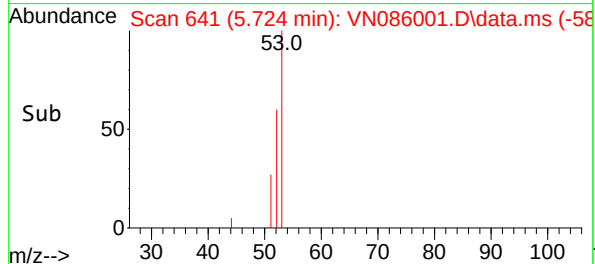
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 53 Resp: 368
Ion Ratio Lower Upper
53 100
52 42.2 63.9 95.9
51 29.5 27.1 40.7

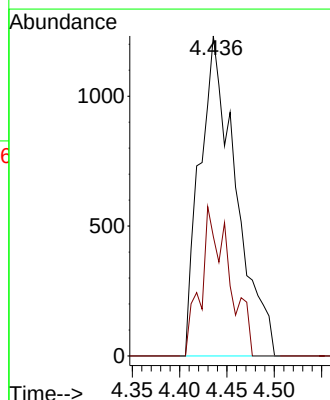
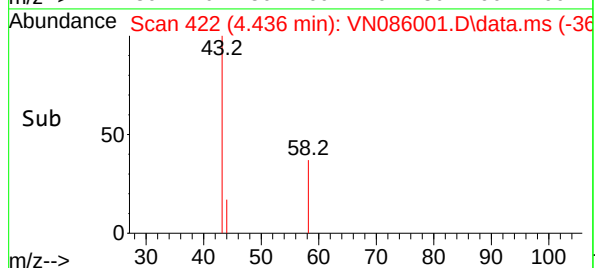
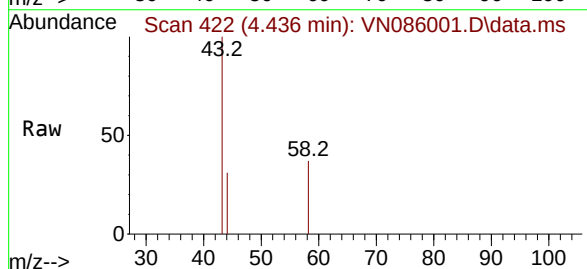
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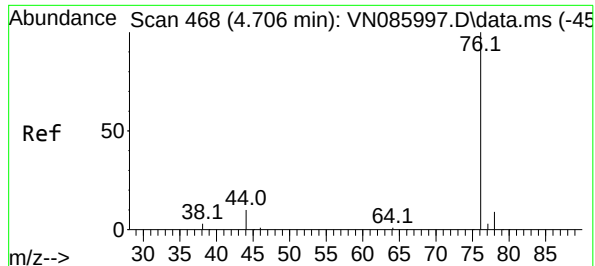
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#16
Acetone
Concen: 5.336 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.011 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 43 Resp: 3256
Ion Ratio Lower Upper
43 100
58 37.3 29.4 44.2





#17

Carbon Disulfide

Concen: 1.251 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 6140

Ion Ratio Lower Upper

76 100

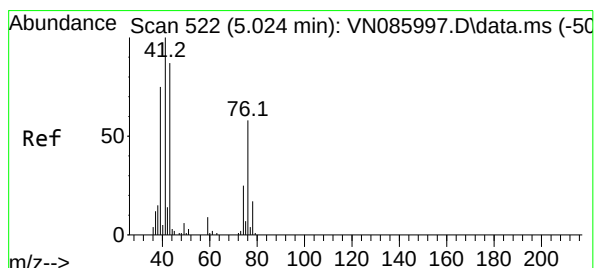
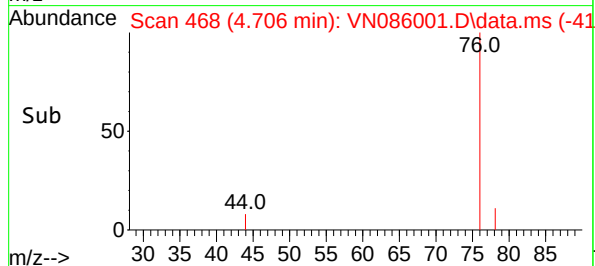
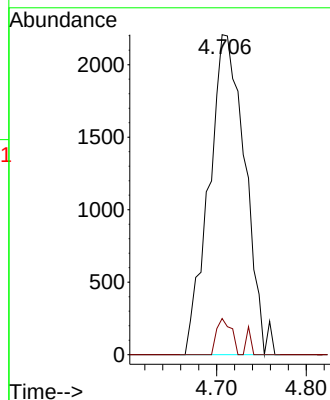
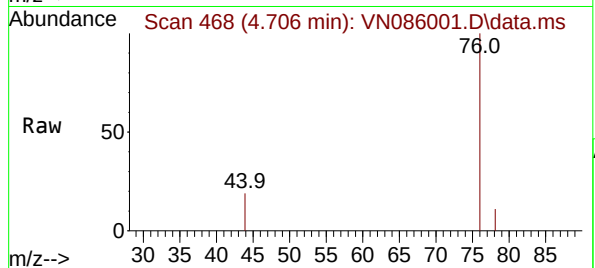
78 11.3 7.4 11.2

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#18

Methyl Acetate

Concen: 1.290 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.000 min

Lab File: VN086001.D

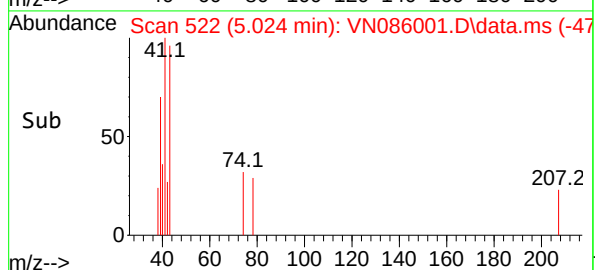
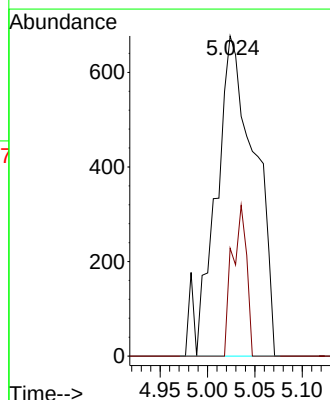
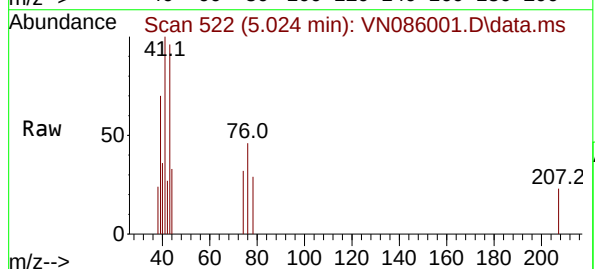
Acq: 18 Mar 2025 14:09

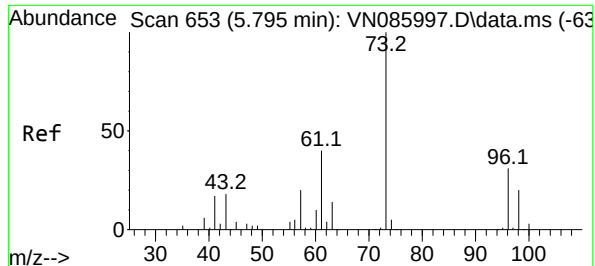
Tgt Ion: 43 Resp: 1947

Ion Ratio Lower Upper

43 100

74 17.3 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 0.997 ug/l

RT: 5.794 min Scan# 653

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 4880

Ion Ratio Lower Upper

73 100

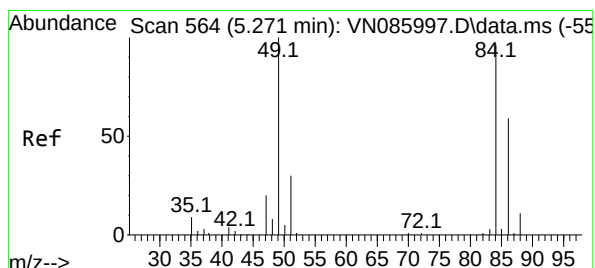
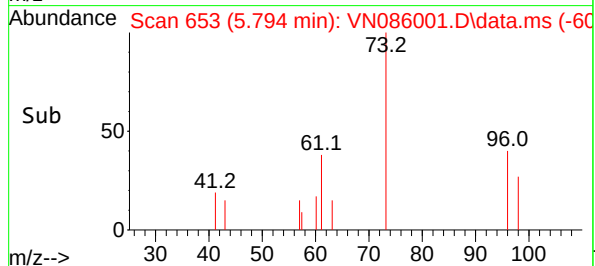
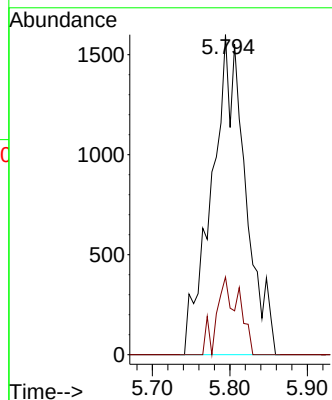
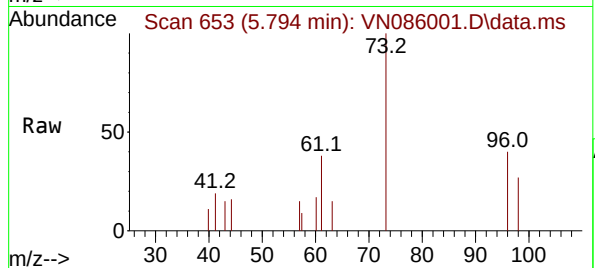
57 24.2 16.1 24.1

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 1.194 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion: 84 Resp: 2132

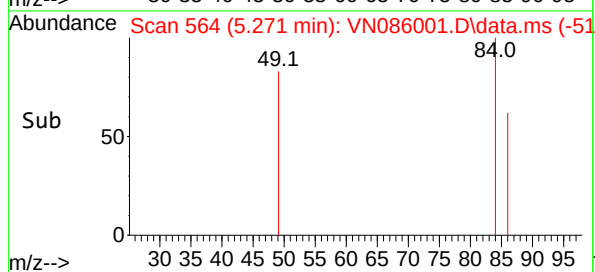
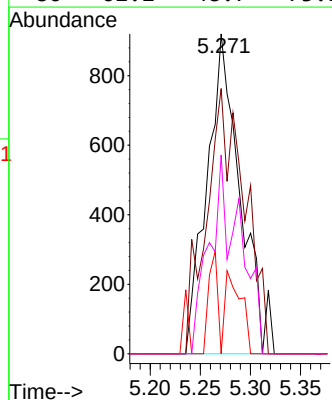
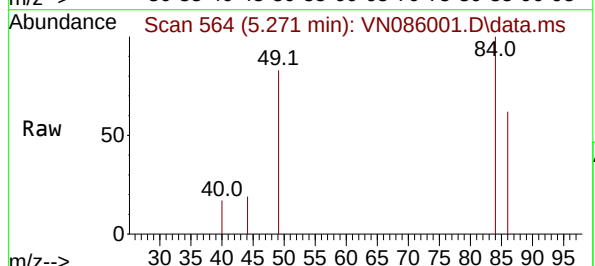
Ion Ratio Lower Upper

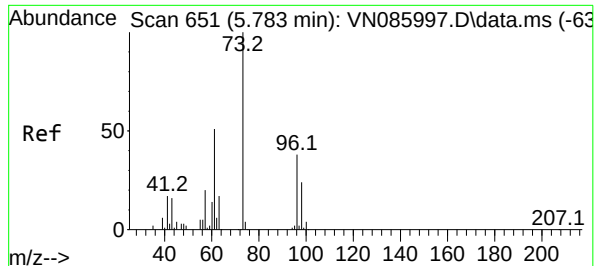
84 100

49 82.9 83.3 124.9#

51 0.0 24.8 37.2#

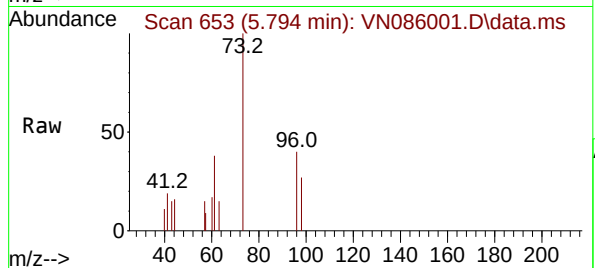
86 62.2 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 1.056 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.011 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

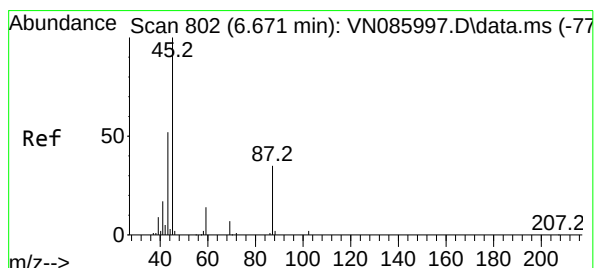
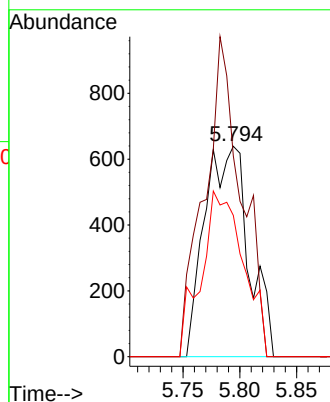
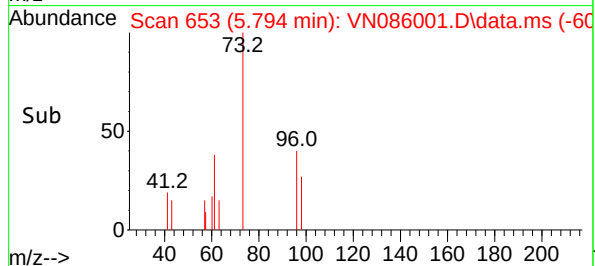
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 96 Resp: 172
Ion Ratio Lower Upper
96 100
61 95.5 106.6 160.0#
98 67.1 50.0 75.0

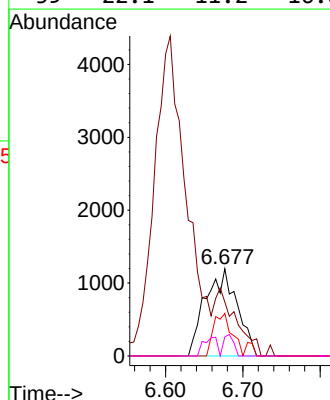
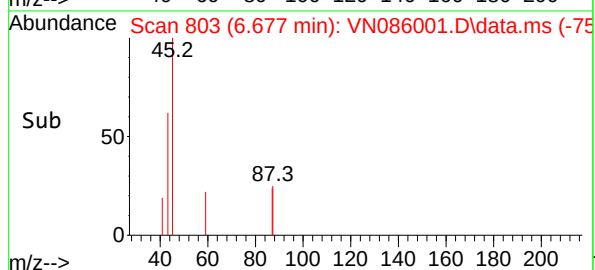
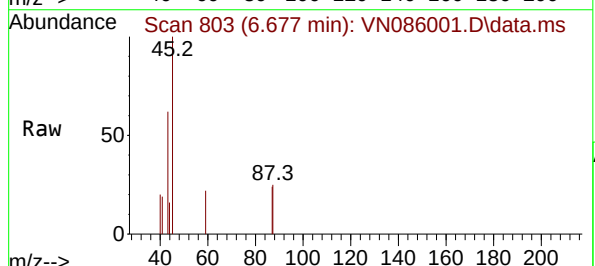
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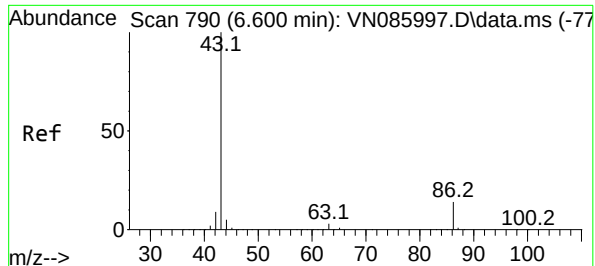
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 0.856 ug/l m
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 45 Resp: 3402
Ion Ratio Lower Upper
45 100
43 61.9 41.2 61.8#
87 24.8 28.5 42.7#
59 22.1 11.2 16.8#





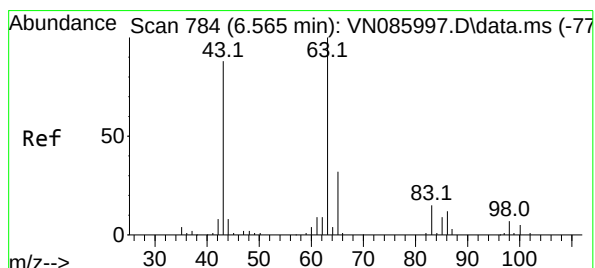
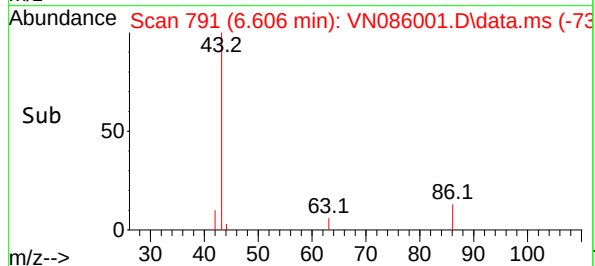
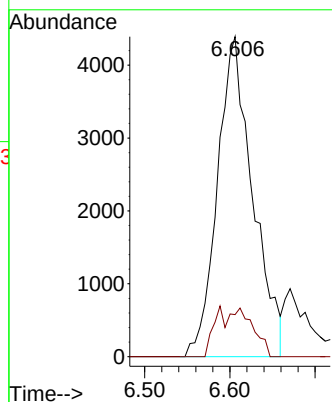
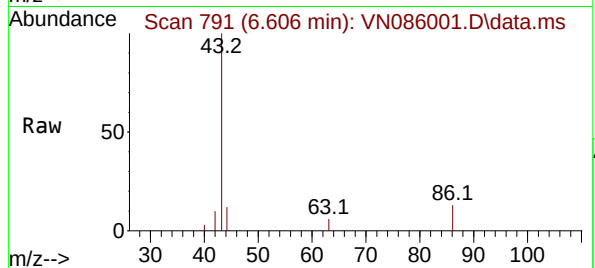
#23
Vinyl Acetate
Concen: 4.195 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 12634
Ion Ratio Lower Upper
43 100
86 13.1 11.2 16.8

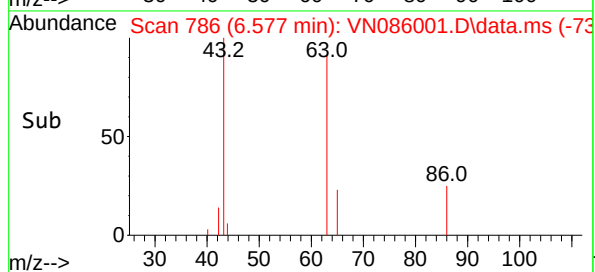
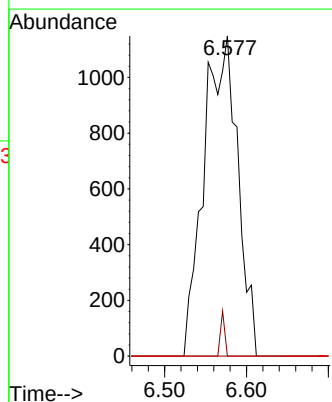
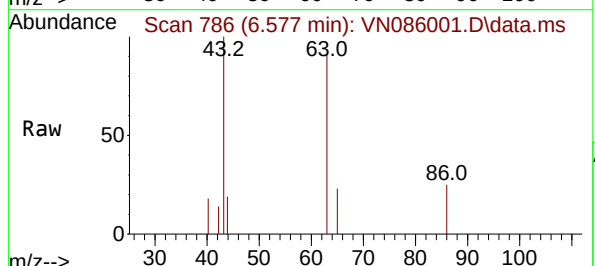
Manual Integrations
APPROVED

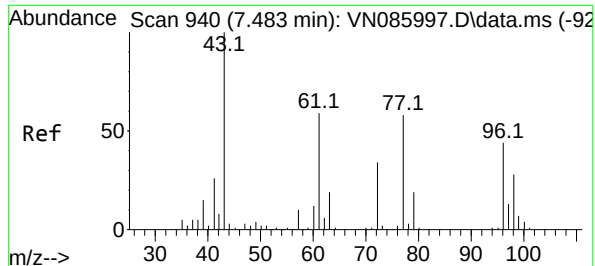
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 1.128 ug/l m
RT: 6.577 min Scan# 786
Delta R.T. 0.011 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 63 Resp: 3295
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.5 7.5#





#25

2-Butanone

Concen: 4.895 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 4310

Ion Ratio Lower Upper

43 100

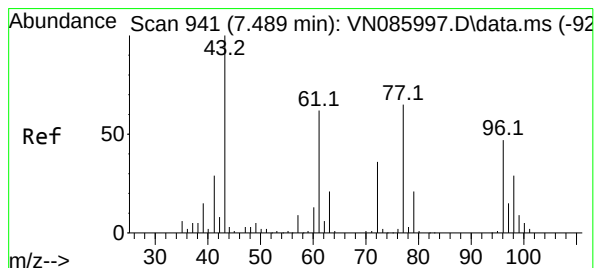
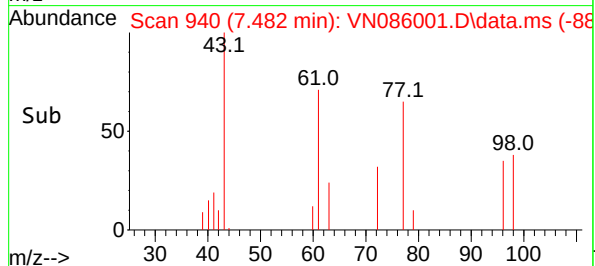
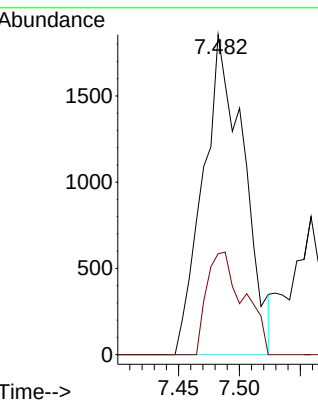
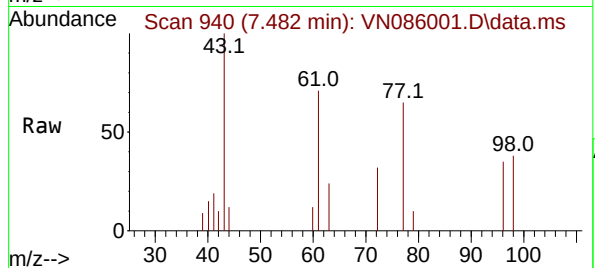
72 31.5 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 1.042 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN086001.D

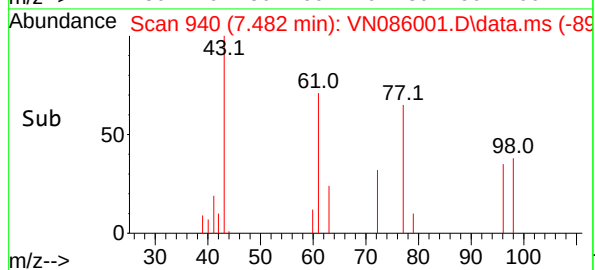
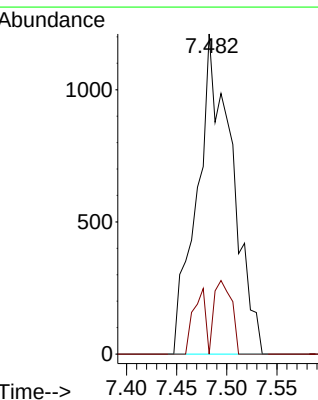
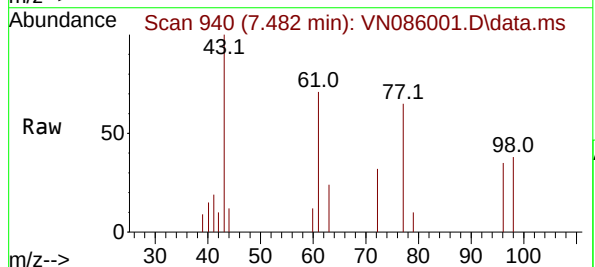
Acq: 18 Mar 2025 14:09

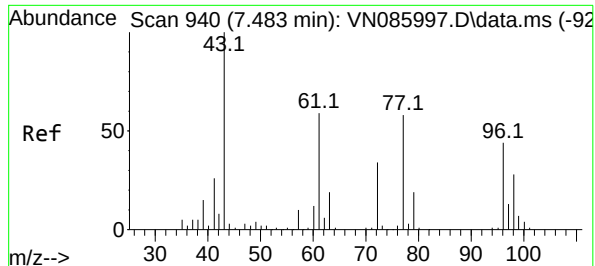
Tgt Ion: 77 Resp: 2930

Ion Ratio Lower Upper

77 100

97 7.2 11.2 33.5#





#27

cis-1,2-Dichloroethene

Concen: 0.994 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion: 96 Resp: 184

Ion Ratio Lower Upper

96 100

61 153.2 0.0 272.8

98 62.9 0.0 124.8

Instrument :

MSVOA_N

ClientSampleId :

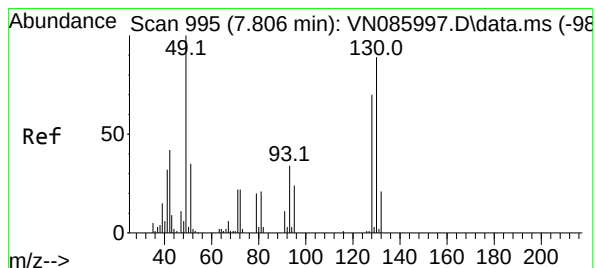
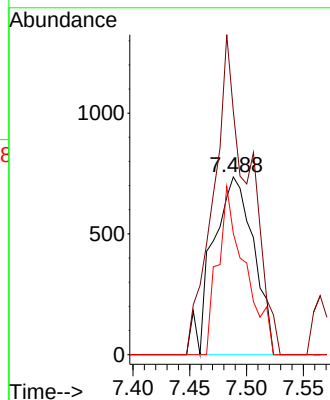
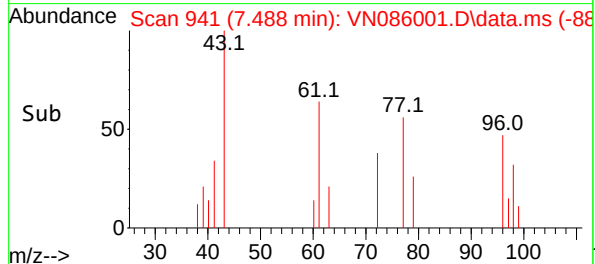
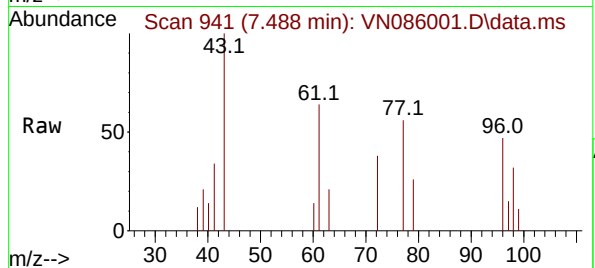
VSTDICC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 1.228 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

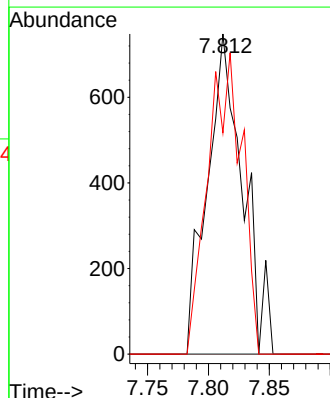
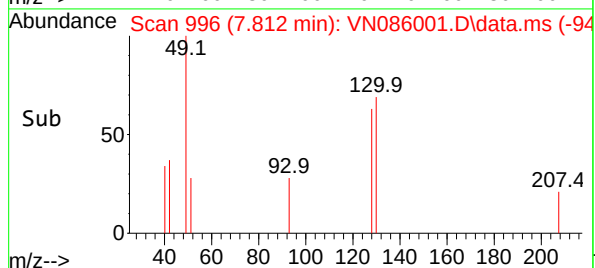
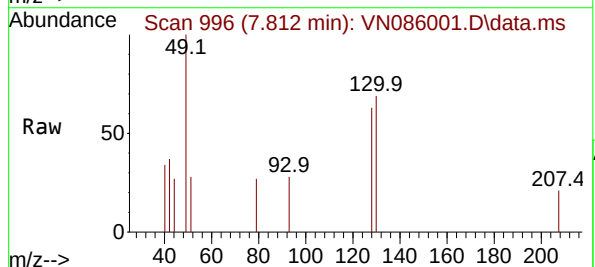
Tgt Ion: 49 Resp: 1520

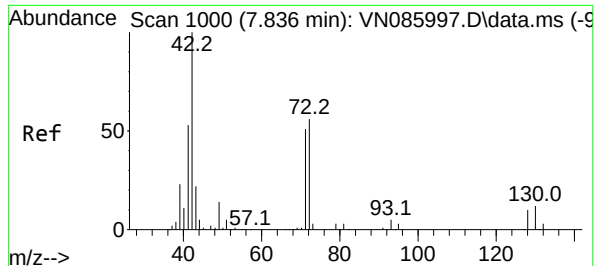
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 90.8 74.2 111.4





#29

Tetrahydrofuran

Concen: 4.082 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

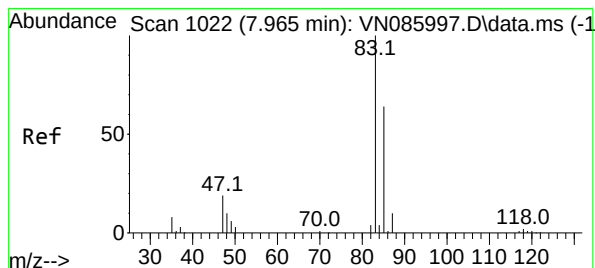
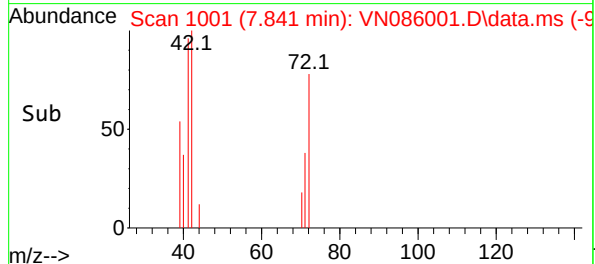
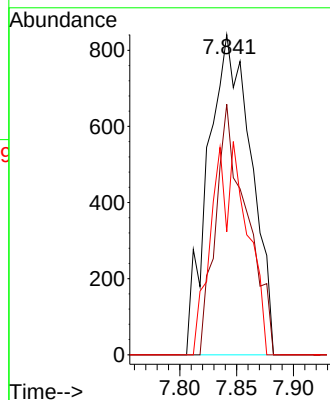
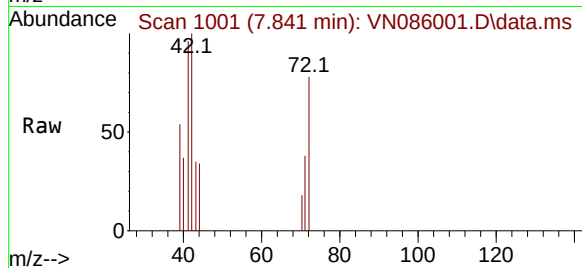
Tgt Ion:	42	Resp:	2219
Ion	Ratio	Lower	Upper
42	100		
72	56.8	45.0	67.4
71	25.9	41.9	62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 1.125 ug/l

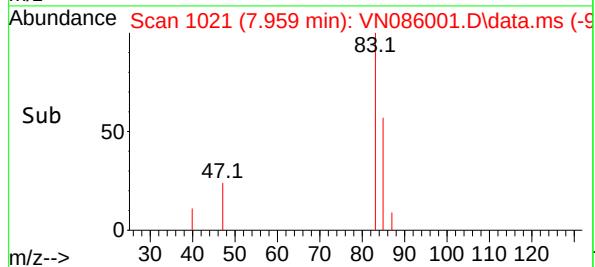
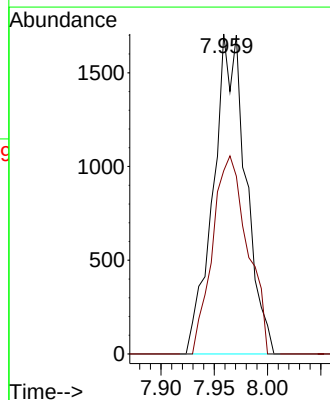
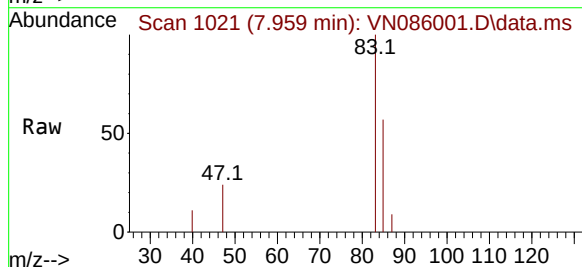
RT: 7.959 min Scan# 1021

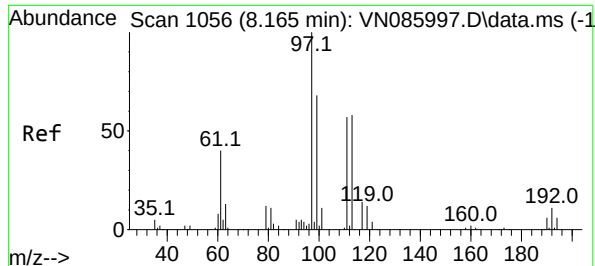
Delta R.T. -0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion:	83	Resp:	3631
Ion	Ratio	Lower	Upper
83	100		
85	57.2	51.5	77.3





#32

1,1,1-Trichloroethane

Concen: 1.072 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 3278

Ion Ratio Lower Upper

97 100

99 0.0 52.8 79.2

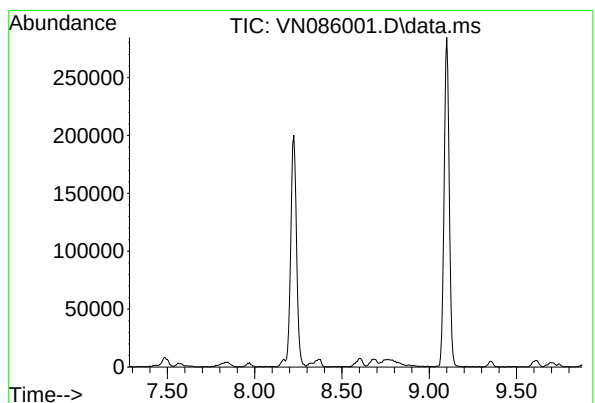
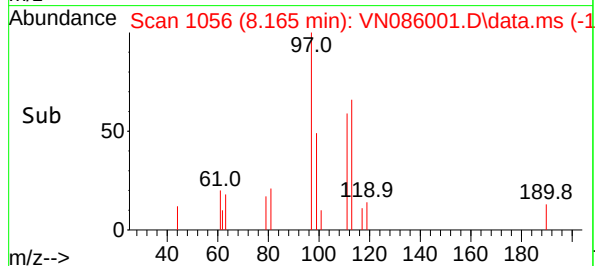
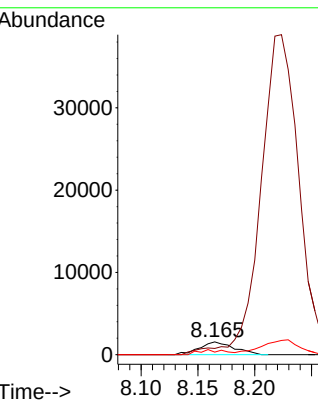
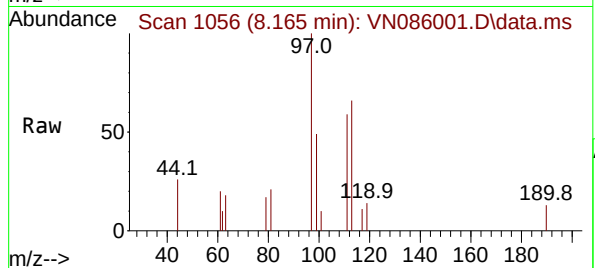
61 30.2 33.6 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.58 min

Lab File: VN086001.D

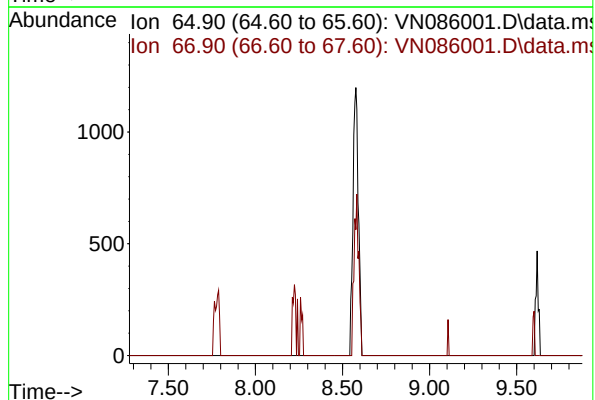
Acq: 18 Mar 2025 14:09

Tgt Ion: 65

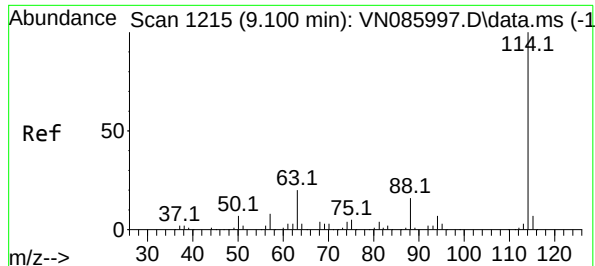
Sig Exp Ratio

65 100

67 51.1



Ion 66.90 (66.60 to 67.60): VN086001.D\data.ms



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 249612

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

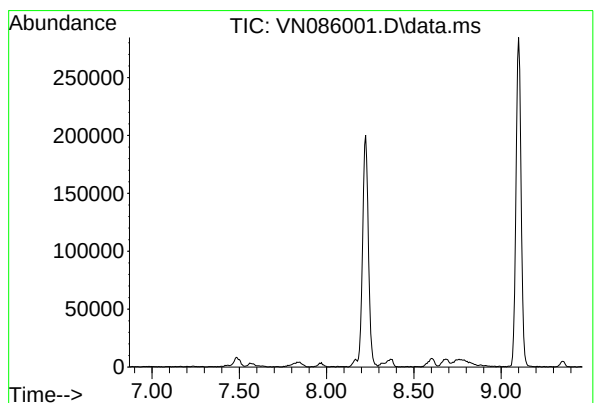
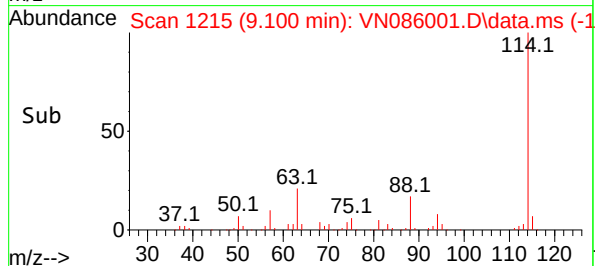
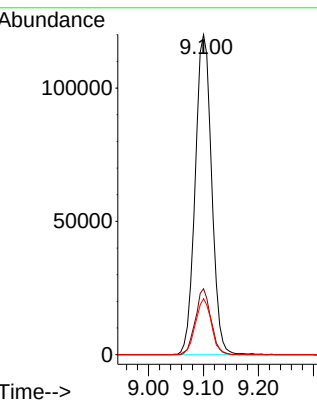
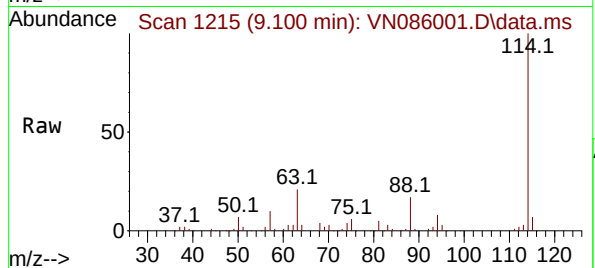
88 17.5 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 8.17 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

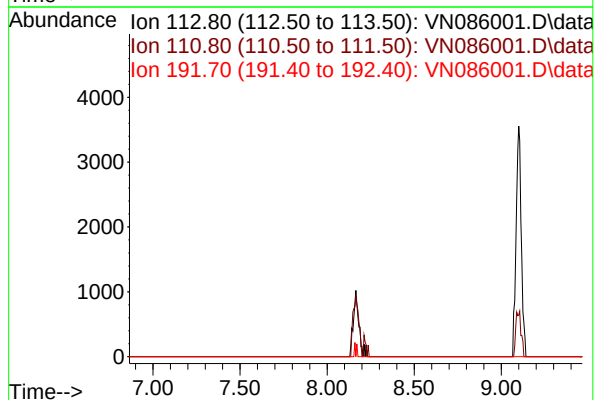
Tgt Ion: 113

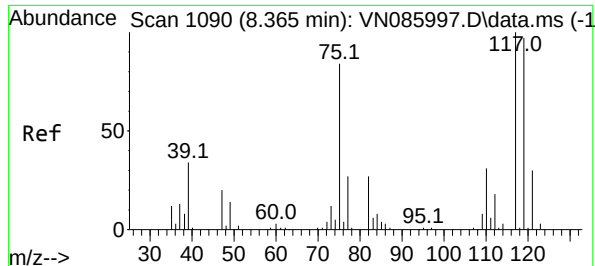
Sig Exp Ratio

113 100

111 102.3

192 19.9





#36

1,1-Dichloropropene

Concen: 0.994 ug/l

RT: 8.376 min Scan# 1090

Delta R.T. 0.011 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 228

Ion Ratio Lower Upper

75 100

110 33.8 17.8 53.3

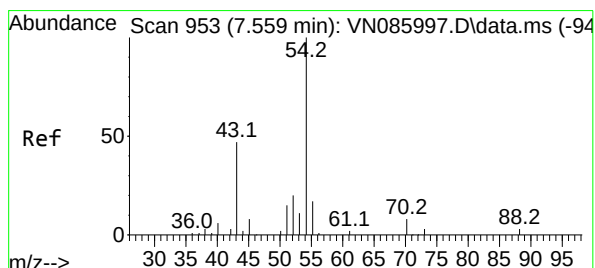
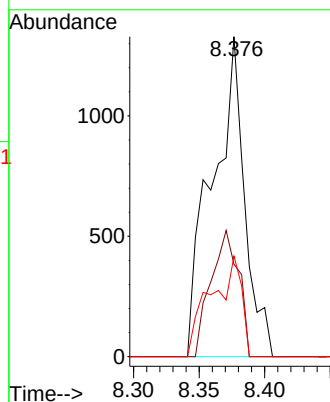
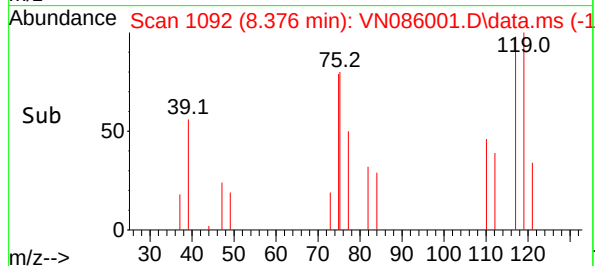
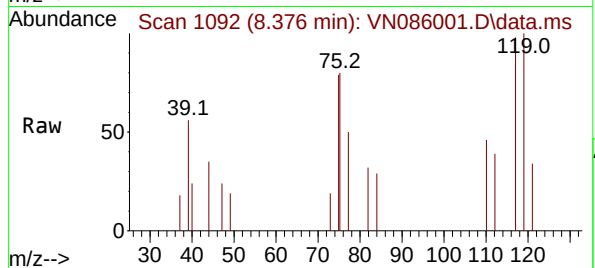
77 29.6 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#37

Ethyl Acetate

Concen: 1.002 ug/l m

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

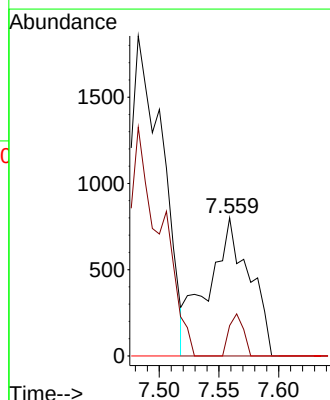
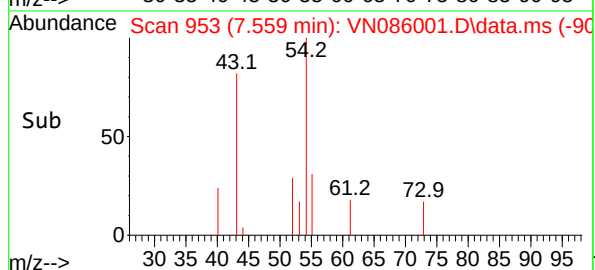
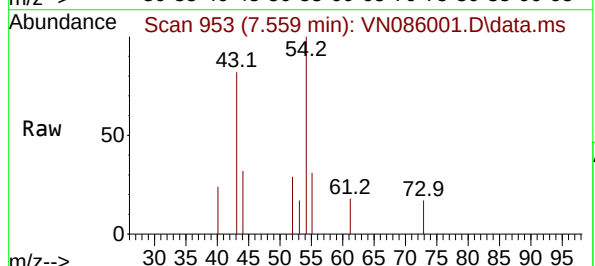
Tgt Ion: 43 Resp: 1939

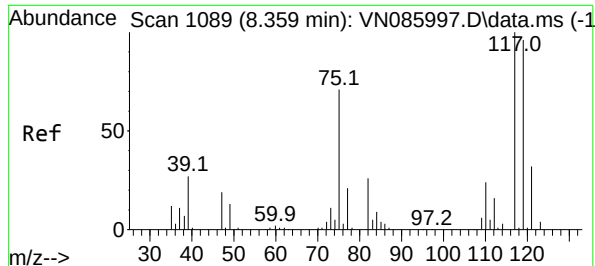
Ion Ratio Lower Upper

43 100

61 10.5 13.0 19.4#

70 0.0 11.0 16.6#





#38

Carbon Tetrachloride

Concen: 1.032 ug/l

RT: 8.365 min Scan# 1114

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

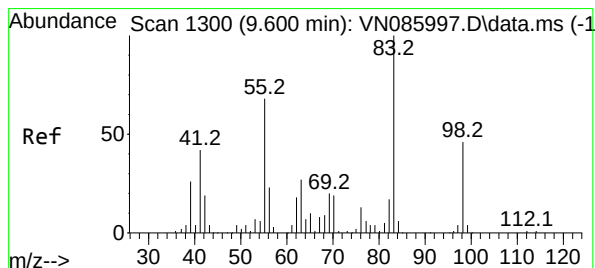
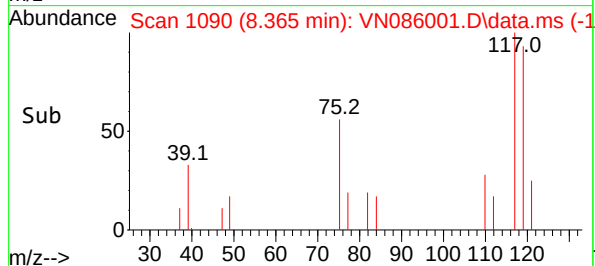
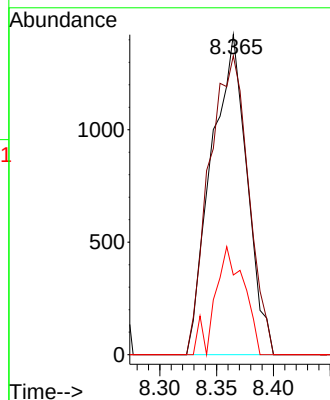
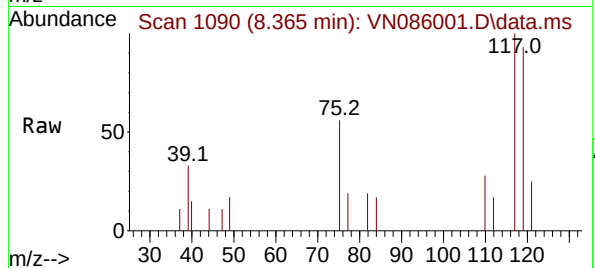
Tgt Ion:	117	Resp:	3114
Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.0	115.4
121	24.9	25.6	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#39

Methylcyclohexane

Concen: 0.960 ug/l

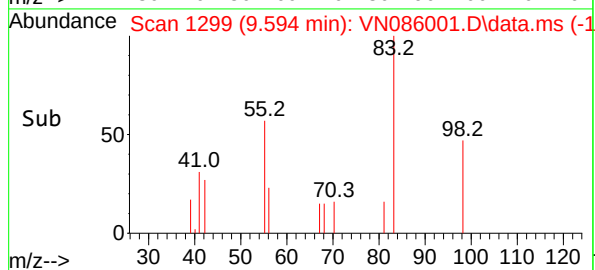
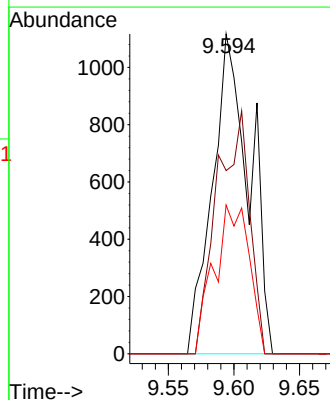
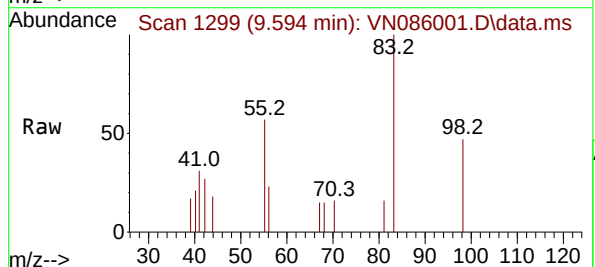
RT: 9.594 min Scan# 1299

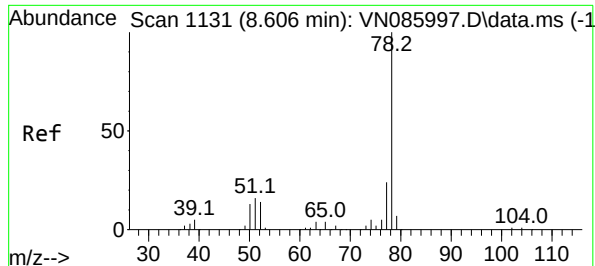
Delta R.T. -0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion:	83	Resp:	2186
Ion	Ratio	Lower	Upper
83	100		
55	57.3	54.2	81.2
98	46.6	37.1	55.7





#40

Benzene

Concen: 1.016 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 731

Ion Ratio Lower Upper

78 100

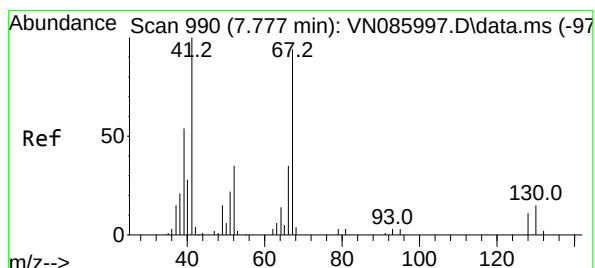
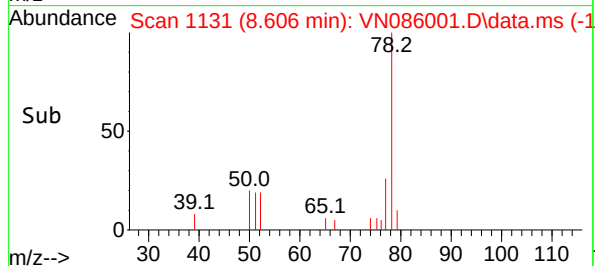
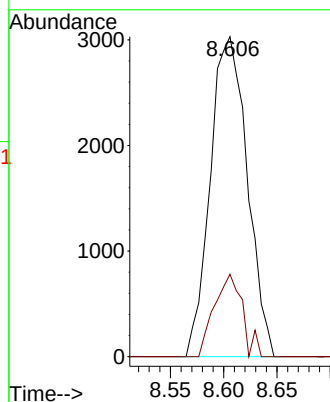
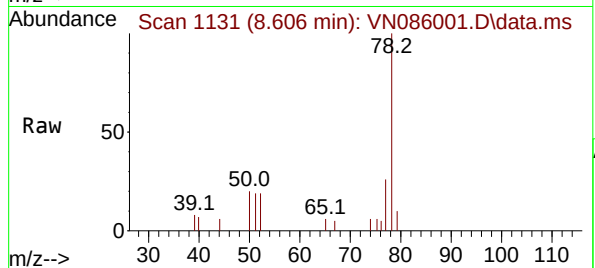
77 25.7 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#41

Methacrylonitrile

Concen: 0.711 ug/l

RT: 7.777 min Scan# 990

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion: 41 Resp: 657

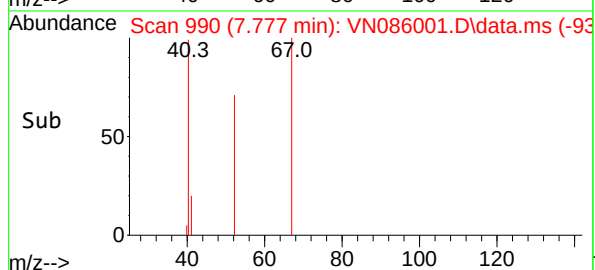
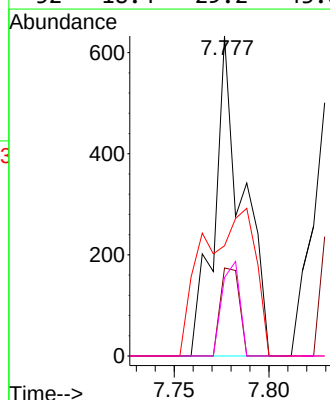
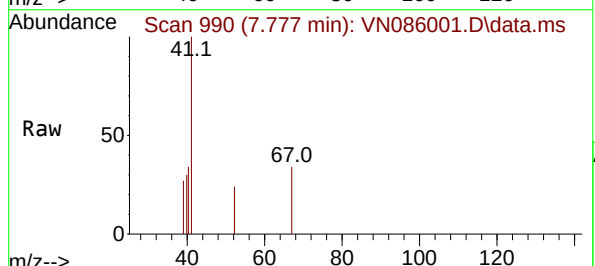
Ion Ratio Lower Upper

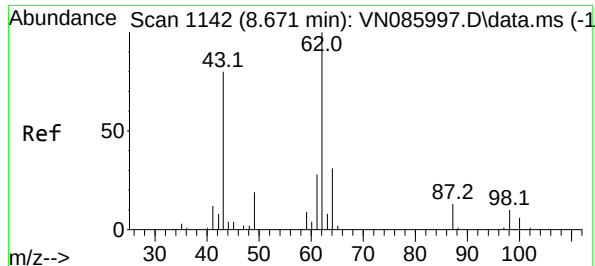
41 100

39 18.4 46.2 69.2#

67 84.0 75.9 113.9

52 18.4 29.2 43.8#





#42

1,2-Dichloroethane

Concen: 1.036 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 260

Ion Ratio Lower Upper

62 100

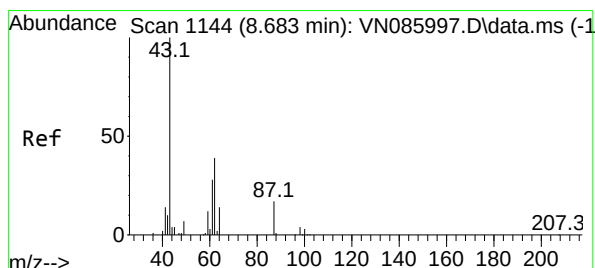
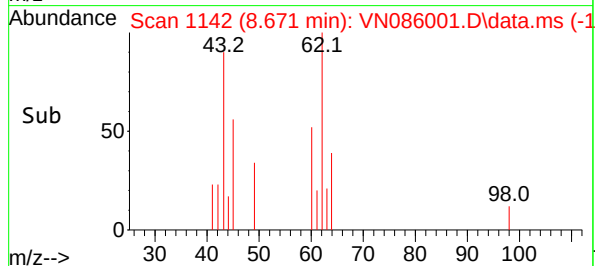
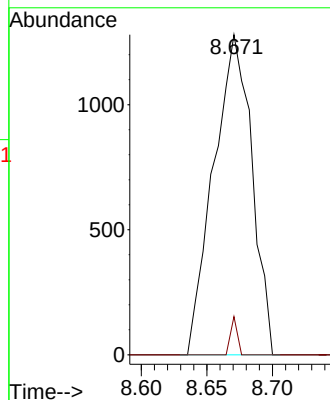
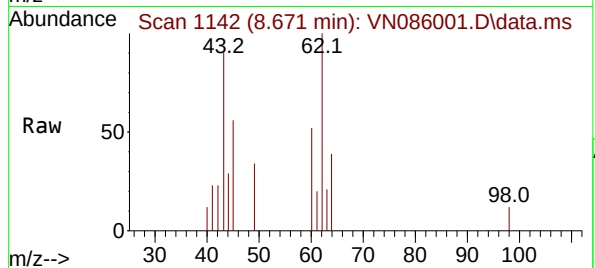
98 2.1 0.0 18.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#43

Isopropyl Acetate

Concen: 1.334 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.011 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

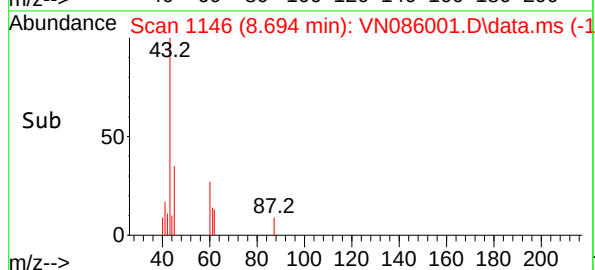
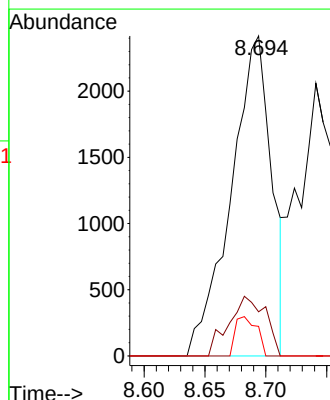
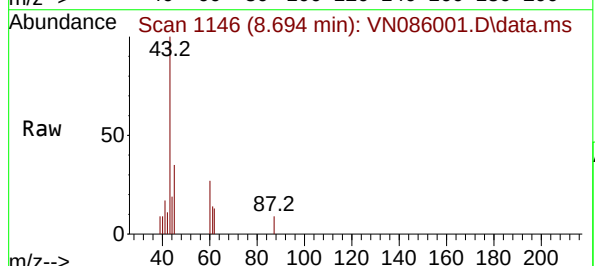
Tgt Ion: 43 Resp: 5607

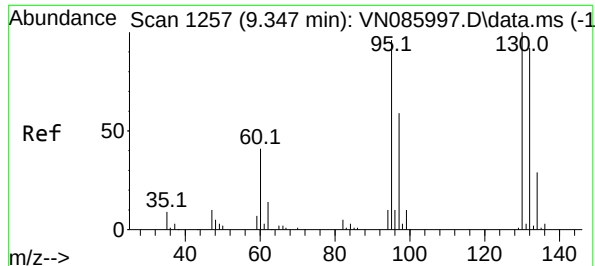
Ion Ratio Lower Upper

43 100

61 16.8 25.0 37.6#

87 6.5 13.0 19.4#





#44

Trichloroethene

Concen: 1.164 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion:130 Resp: 217

Ion Ratio Lower Upper

130 100

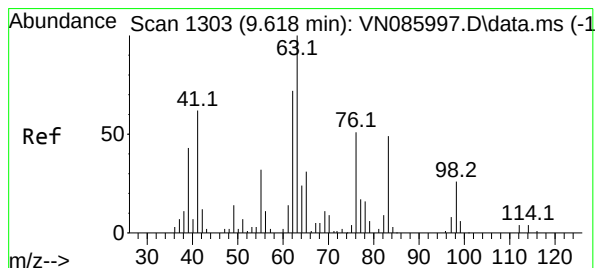
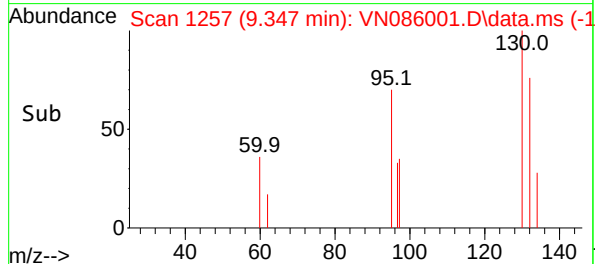
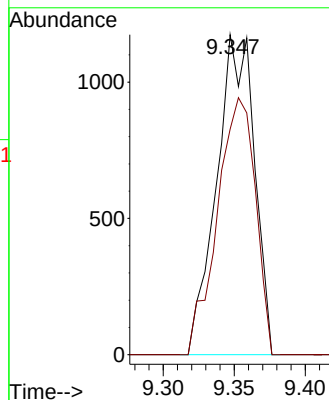
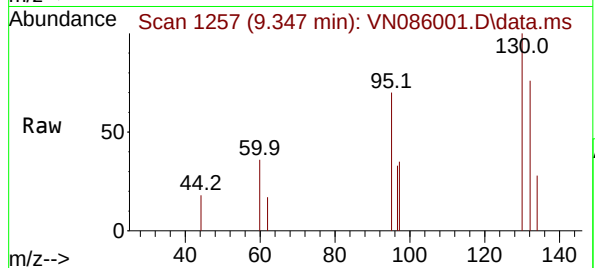
95 70.4 0.0 191.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#45

1,2-Dichloropropane

Concen: 0.941 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VN086001.D

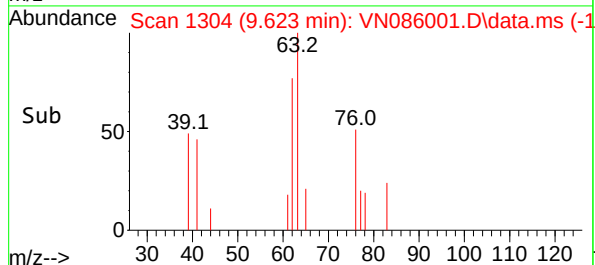
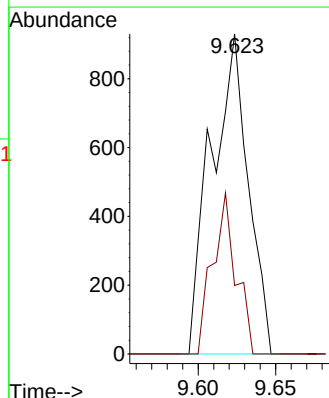
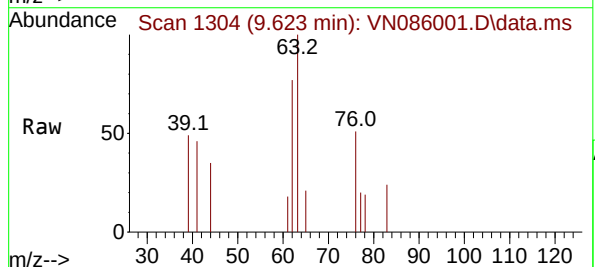
Acq: 18 Mar 2025 14:09

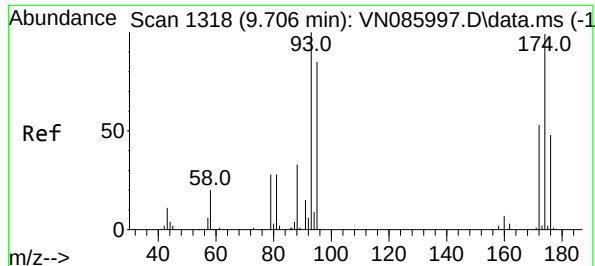
Tgt Ion: 63 Resp: 1541

Ion Ratio Lower Upper

63 100

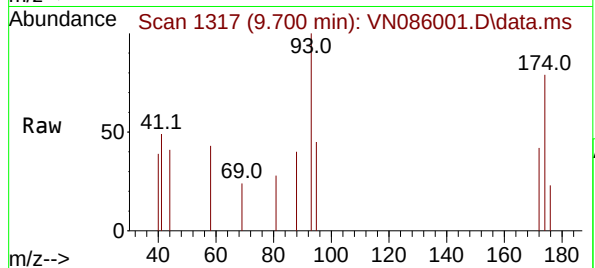
65 21.4 24.7 37.1#





#46
Dibromomethane
Concen: 1.064 ug/l
RT: 9.700 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

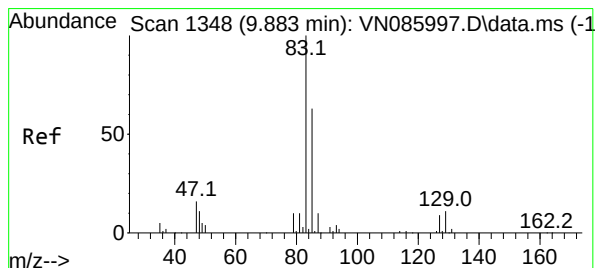
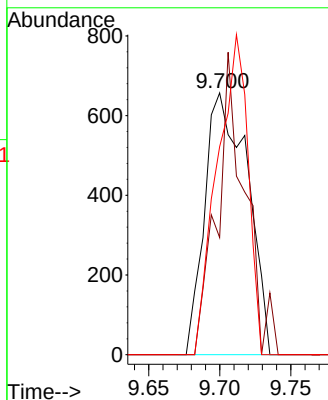
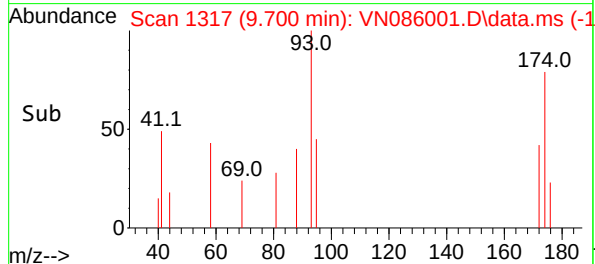
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 93 Resp: 1370
Ion Ratio Lower Upper
93 100
95 76.1 66.2 99.2
174 88.2 80.1 120.1

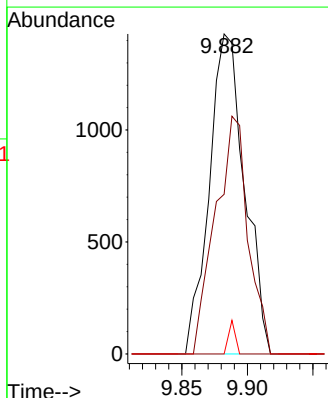
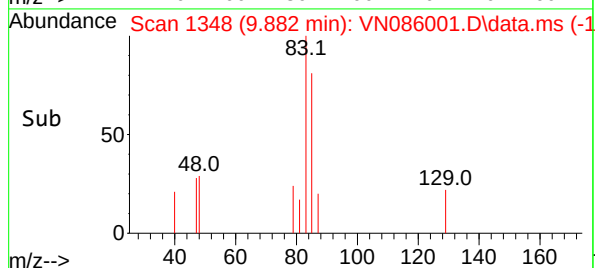
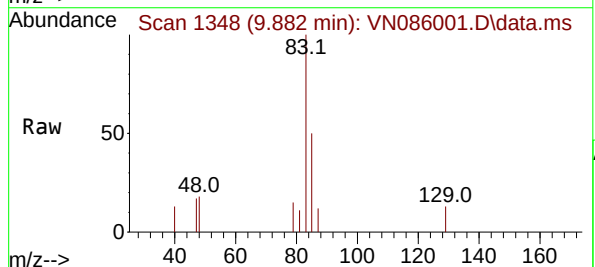
Manual Integrations
APPROVED

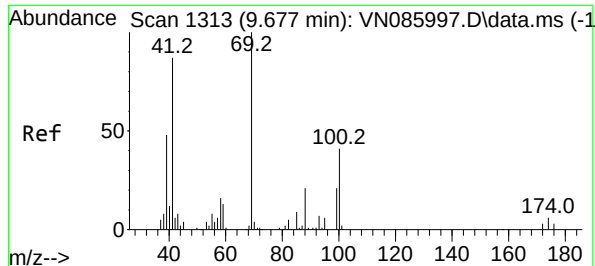
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#47
Bromodichloromethane
Concen: 0.995 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 83 Resp: 2680
Ion Ratio Lower Upper
83 100
85 49.9 50.2 75.2#
127 0.0 7.1 10.7#





#48

Methyl methacrylate

Concen: 0.921 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

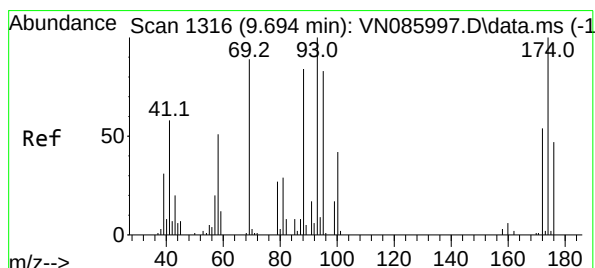
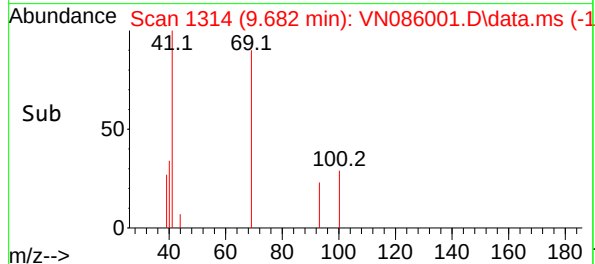
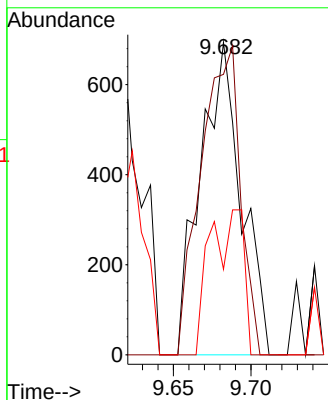
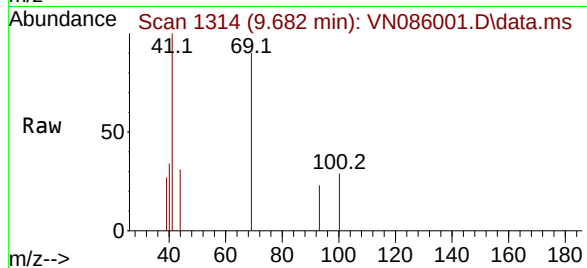
Tgt Ion:	41	Resp:	127
Ion Ratio	Lower	Upper	
41	100		
69	95.1	83.1	124.7
39	20.2	45.6	68.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#49

1,4-Dioxane

Concen: 13.999 ug/l

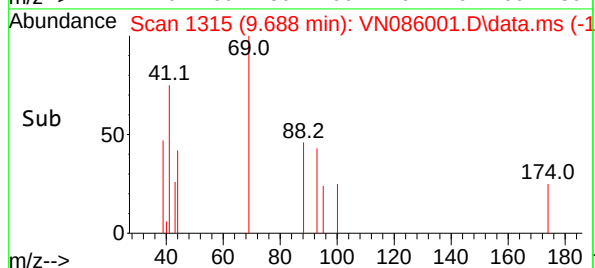
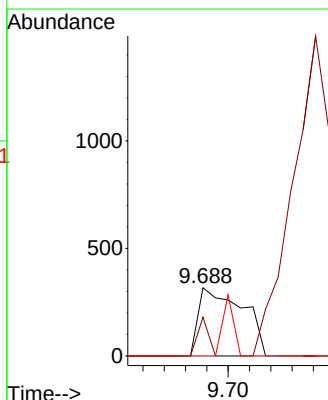
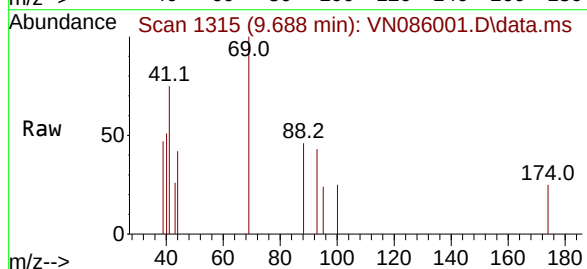
RT: 9.688 min Scan# 1315

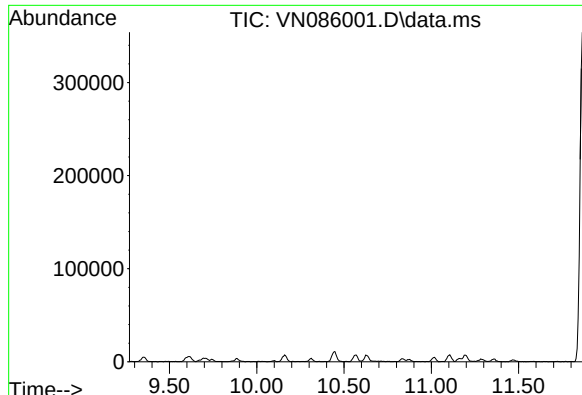
Delta R.T. -0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion:	88	Resp:	458
Ion Ratio	Lower	Upper	
88	100		
43	0.0	21.7	32.5#
58	21.8	50.4	75.6#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

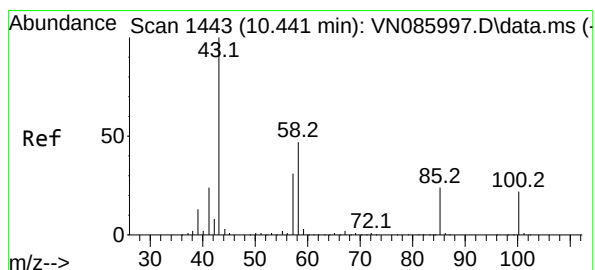
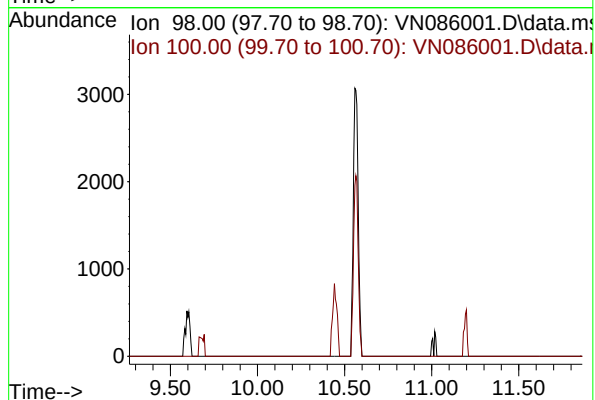
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.4

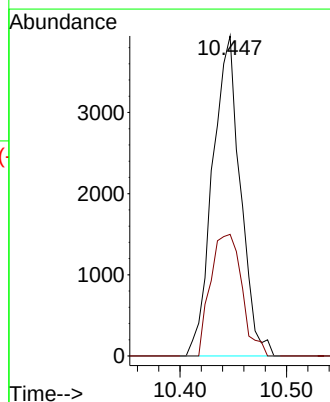
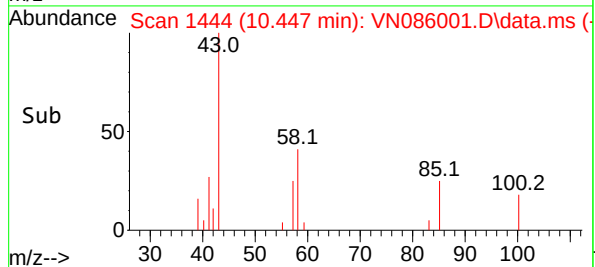
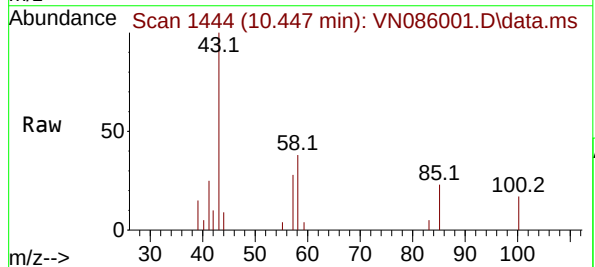
Manual Integrations
APPROVED

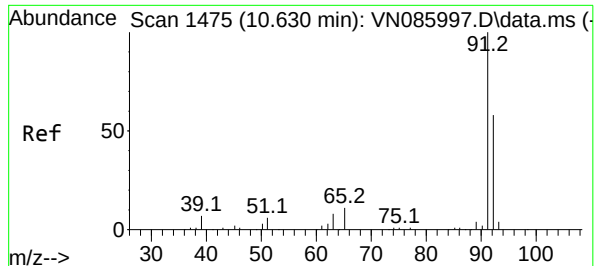
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#51
4-Methyl-2-Pentanone
Concen: 3.868 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 43 Resp: 7154
Ion Ratio Lower Upper
43 100
58 42.8 37.4 56.0





#52

Toluene

Concen: 0.821 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 363

Ion Ratio Lower Upper

92 100

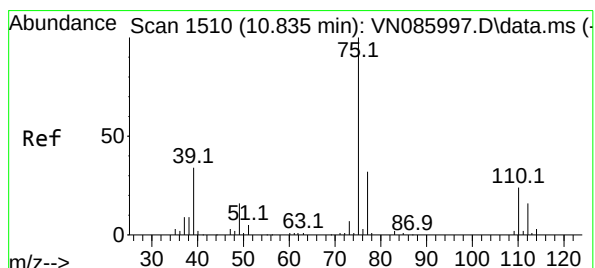
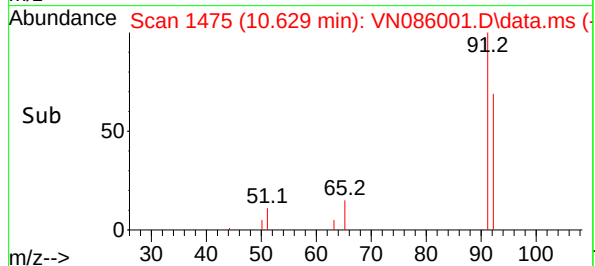
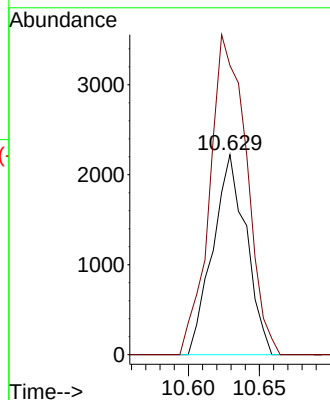
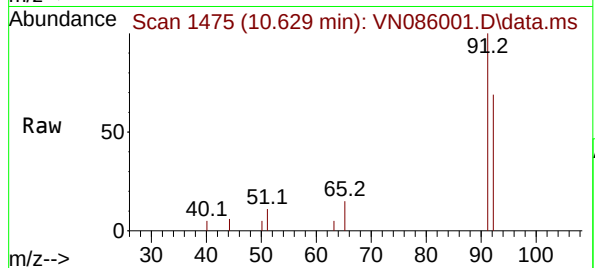
91 176.5 136.2 204.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#53

t-1,3-Dichloropropene

Concen: 0.851 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. -0.000 min

Lab File: VN086001.D

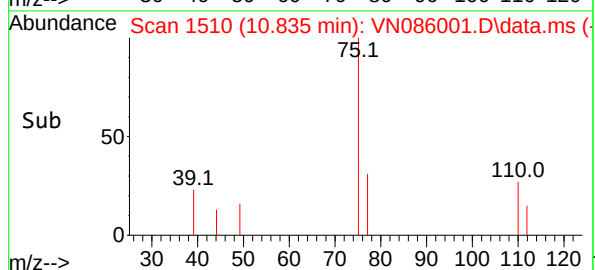
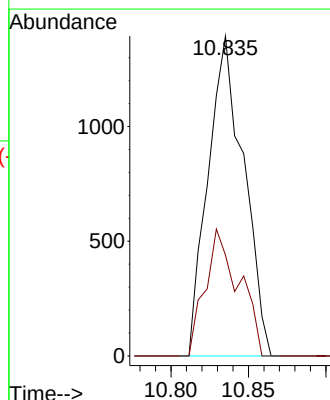
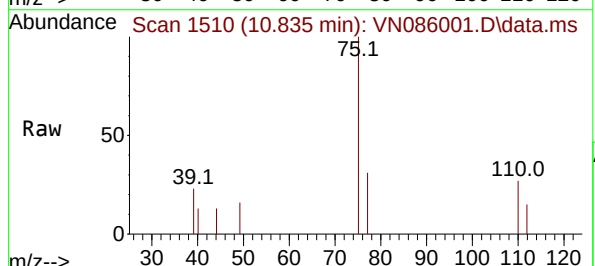
Acq: 18 Mar 2025 14:09

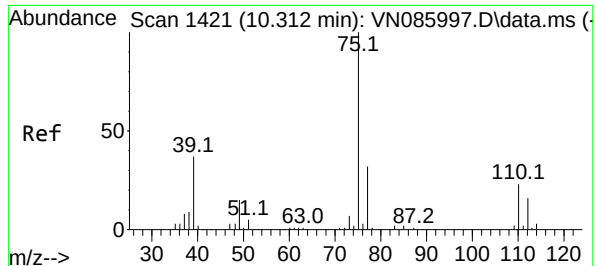
Tgt Ion: 75 Resp: 2225

Ion Ratio Lower Upper

75 100

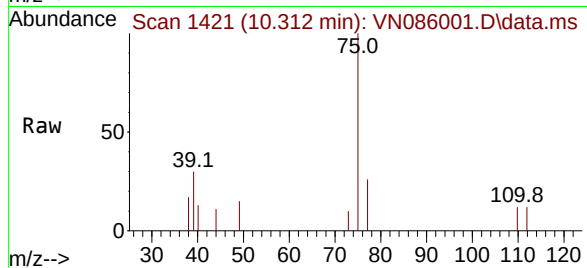
77 31.5 25.3 37.9





#54
cis-1,3-Dichloropropene
Concen: 0.840 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

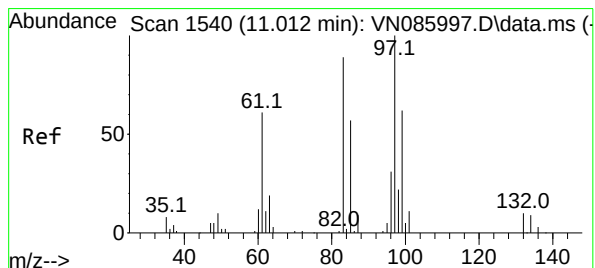
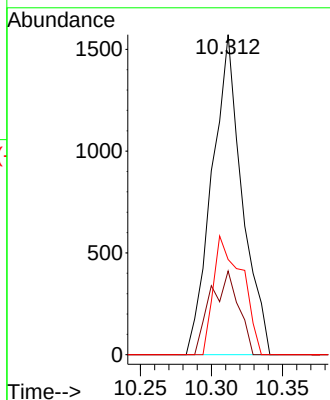
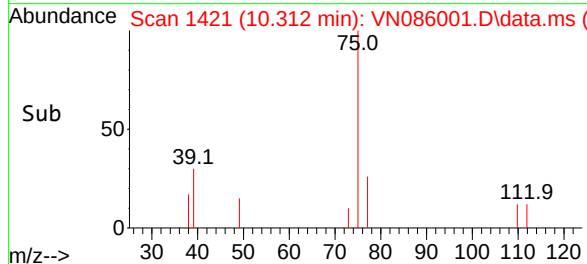
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 75 Resp: 2318
Ion Ratio Lower Upper
75 100
77 26.1 25.3 37.9
39 29.8 29.6 44.4

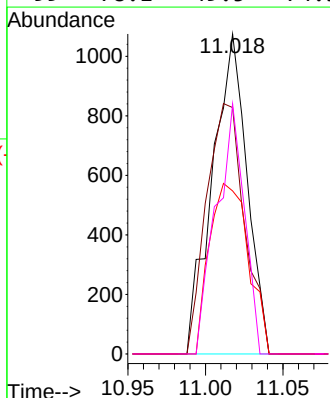
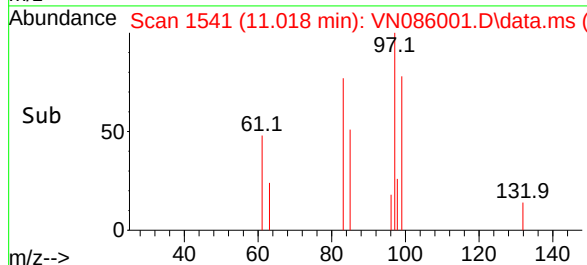
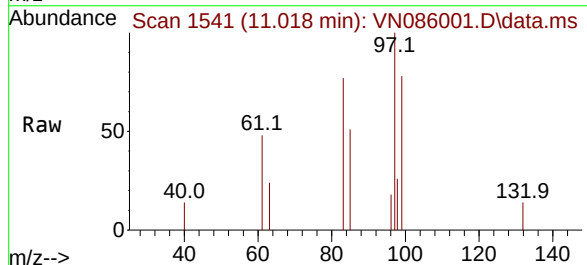
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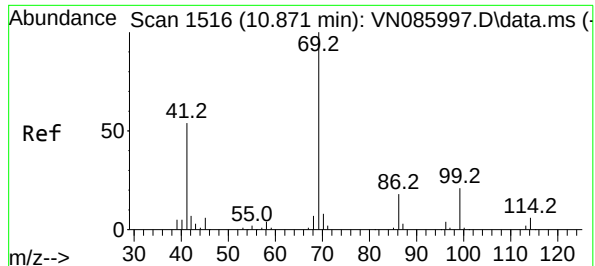
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#55
1,1,2-Trichloroethane
Concen: 0.990 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 97 Resp: 1670
Ion Ratio Lower Upper
97 100
83 77.0 71.2 106.8
85 51.0 45.4 68.0
99 78.1 49.5 74.3#





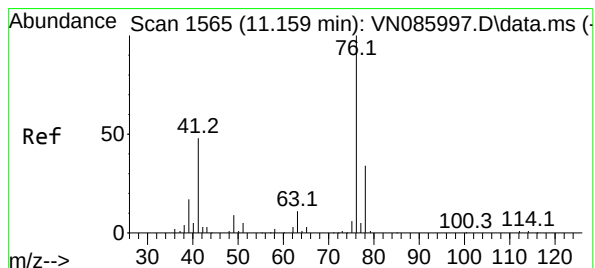
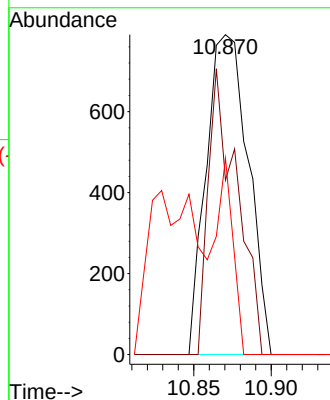
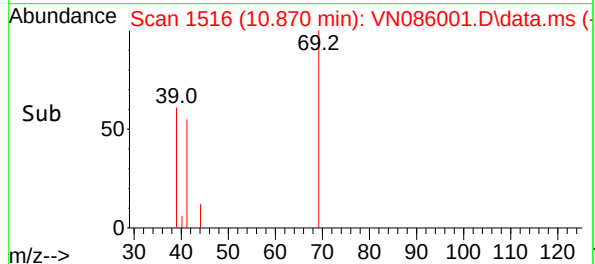
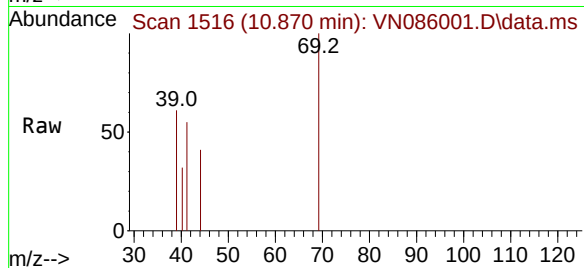
#56
Ethyl methacrylate
Concen: 0.886 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 69 Resp: 1488
Ion Ratio Lower Upper
69 100
41 60.8 41.6 62.4
39 24.2 21.8 32.8

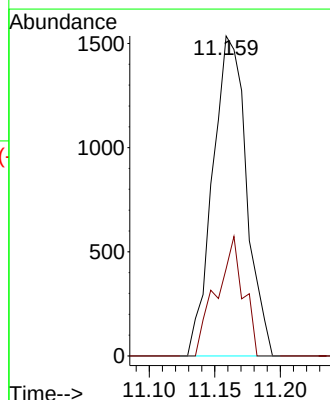
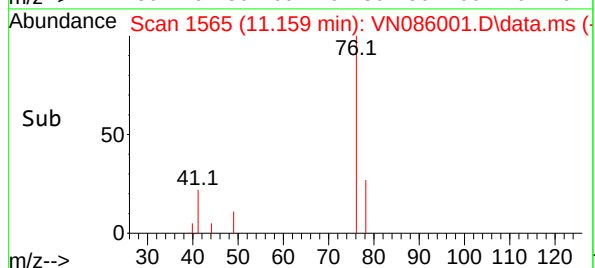
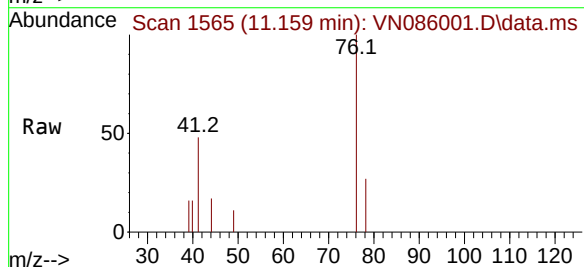
Manual Integrations
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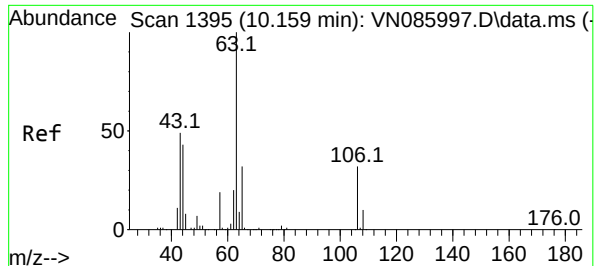
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#57
1,3-Dichloropropane
Concen: 0.960 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 76 Resp: 2752
Ion Ratio Lower Upper
76 100
78 29.9 25.8 38.6





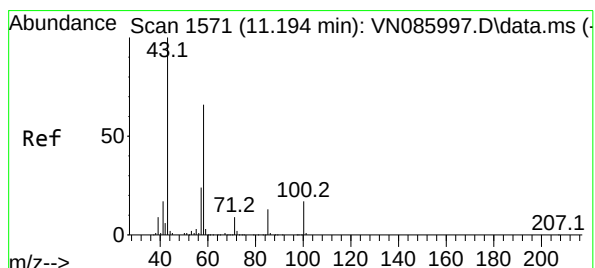
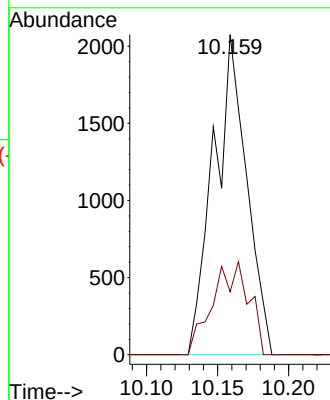
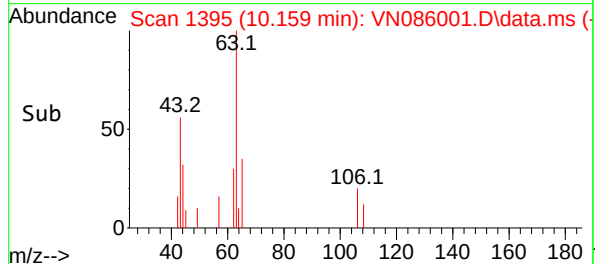
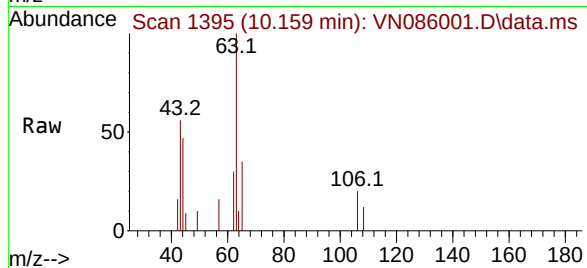
#58
2-Chloroethyl Vinyl ether
Concen: 7.514 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 335
Ion Ratio Lower Upper
63 100
106 31.8 25.0 37.6

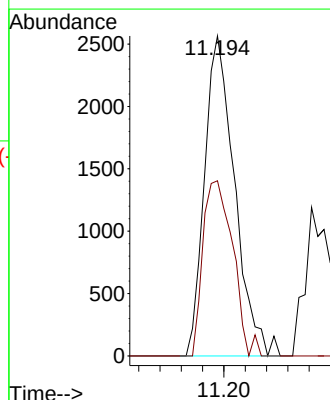
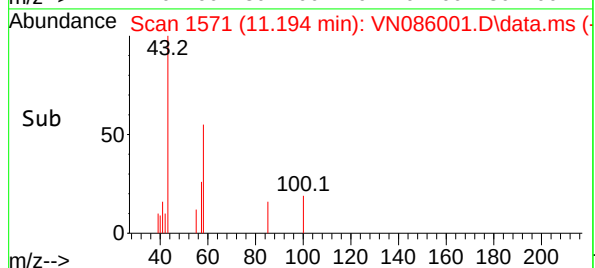
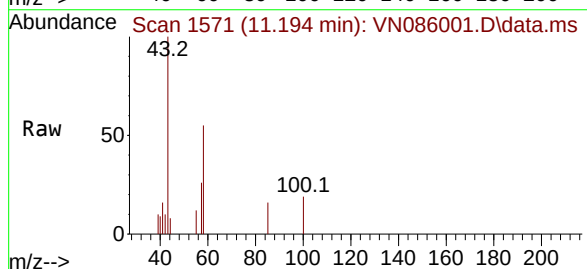
Manual Integrations
APPROVED

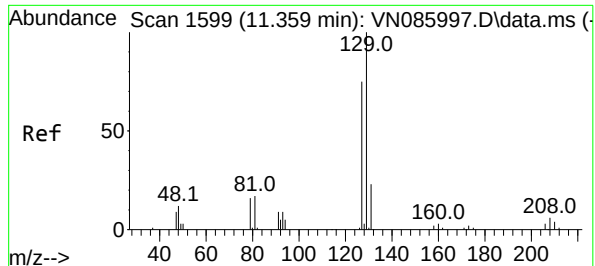
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#59
2-Hexanone
Concen: 3.734 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

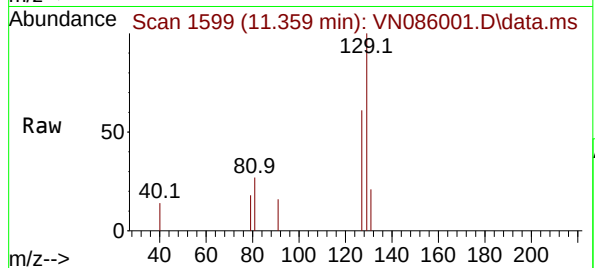
Tgt Ion: 43 Resp: 5032
Ion Ratio Lower Upper
43 100
58 54.2 32.4 97.2





#60
Dibromochloromethane
Concen: 0.954 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

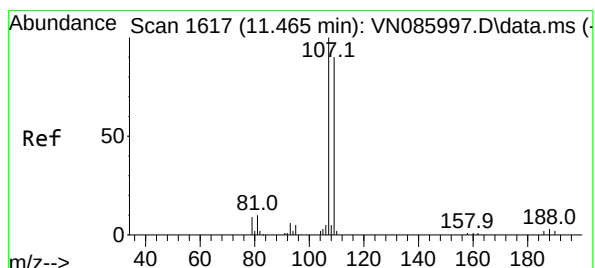
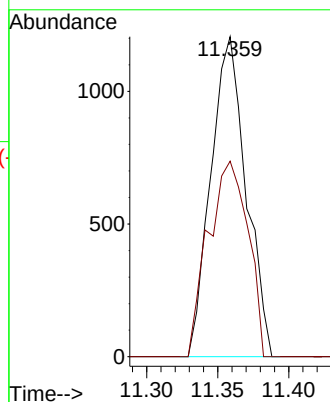
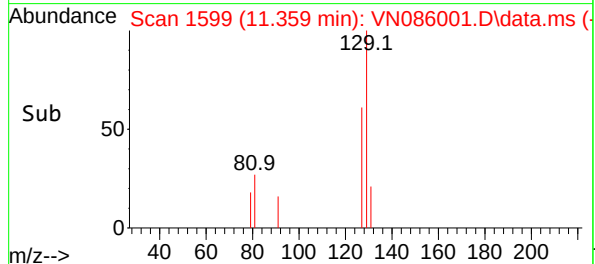
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



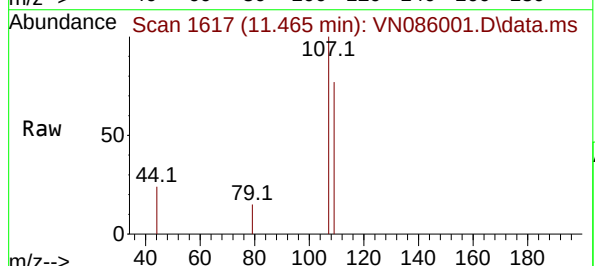
Tgt Ion:129 Resp: 207
Ion Ratio Lower Upper
129 100
127 69.0 37.8 113.4

Manual Integrations
APPROVED

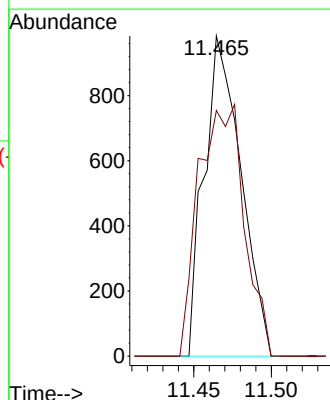
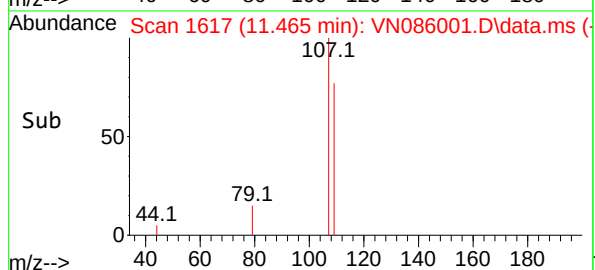
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

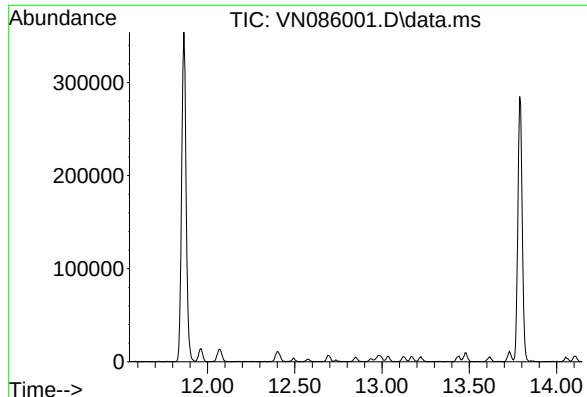


#61
1,2-Dibromoethane
Concen: 0.938 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09



Tgt Ion:107 Resp: 1624
Ion Ratio Lower Upper
107 100
109 97.2 73.3 109.9





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

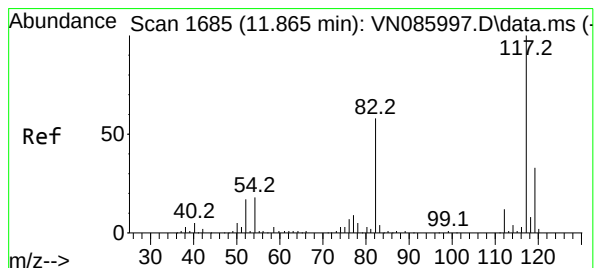
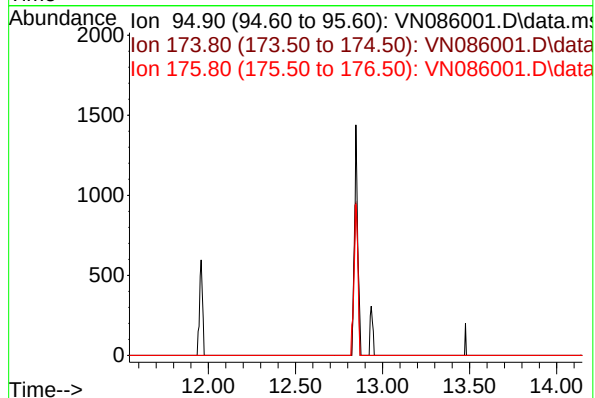
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 95
Sig Exp Ratio
95 100
174 78.4
176 76.1

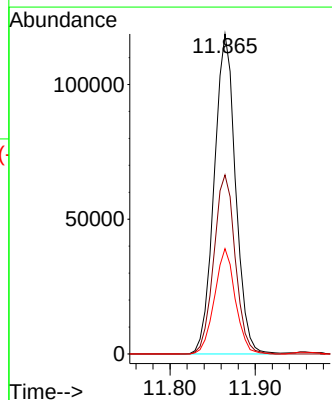
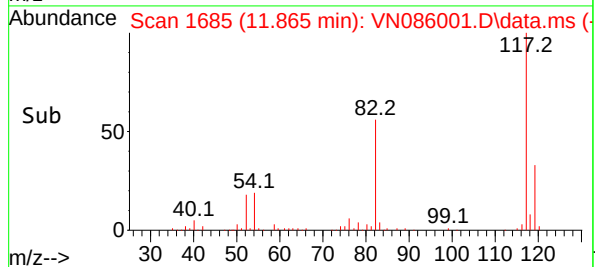
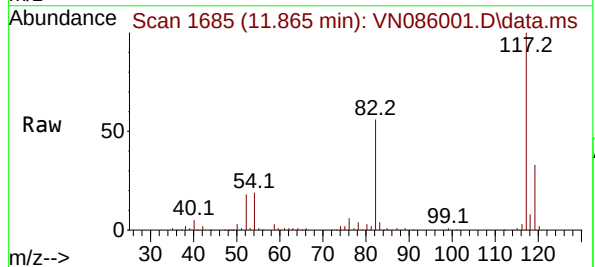
Manual Integrations
APPROVED

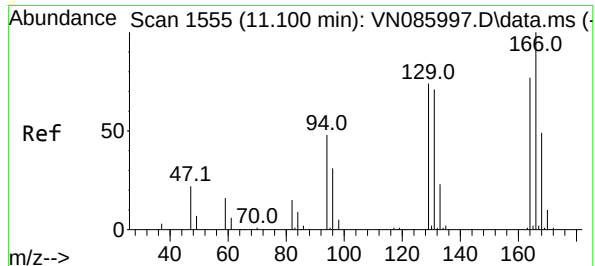
Reviewed By : John Carlone 03/19/2025
Supervised By : Mahesh Dadoda 03/19/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

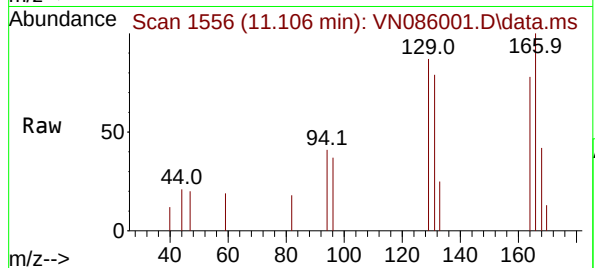
Tgt Ion: 117 Resp: 206893
Ion Ratio Lower Upper
117 100
82 56.0 46.7 70.1
119 32.9 26.5 39.7





#64
Tetrachloroethene
Concen: 1.086 ug/l
RT: 11.106 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

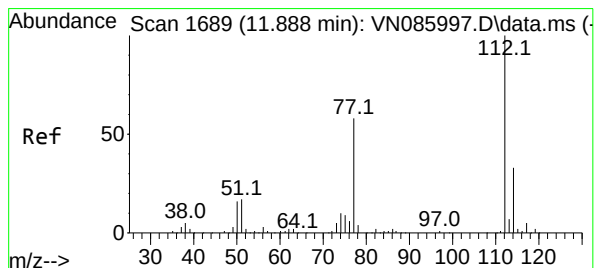
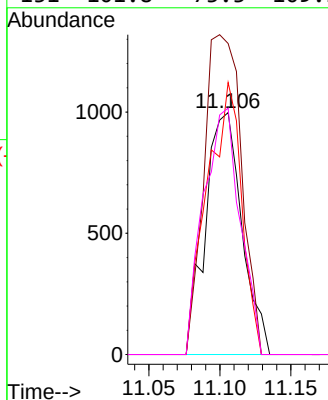
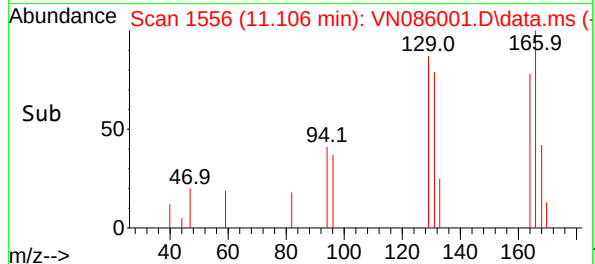
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



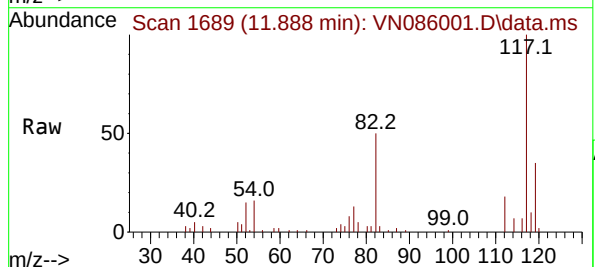
Tgt Ion:164 Resp: 1792
Ion Ratio Lower Upper
164 100
166 128.6 103.7 155.5
129 112.4 77.1 115.7
131 101.8 73.3 109.9

Manual Integrations
APPROVED

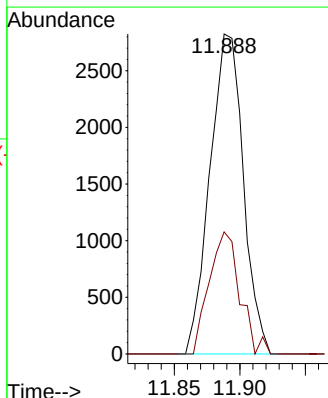
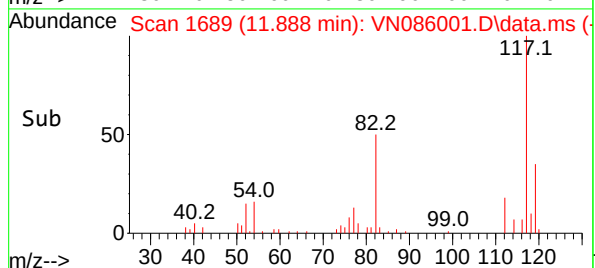
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

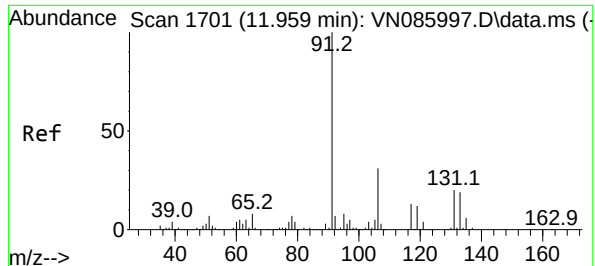


#65
Chlorobenzene
Concen: 1.056 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09



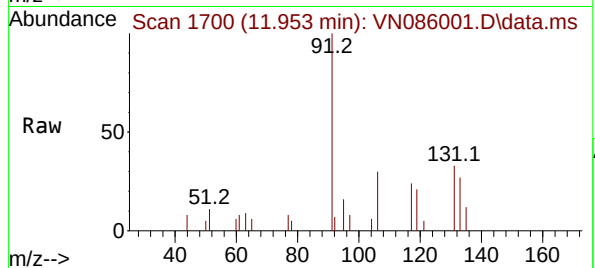
Tgt Ion:112 Resp: 5000
Ion Ratio Lower Upper
112 100
114 38.1 26.3 39.5





#66
1,1,1,2-Tetrachloroethane
Concen: 1.047 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

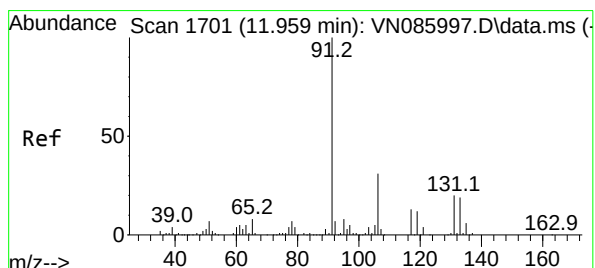
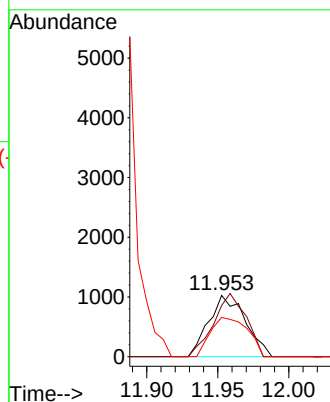
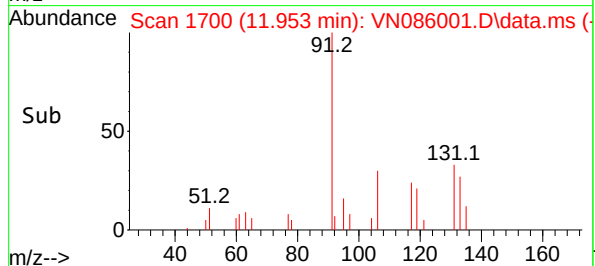
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:131 Resp: 184
Ion Ratio Lower Upper
131 100
133 91.5 47.0 141.0
119 0.0 31.4 94.0

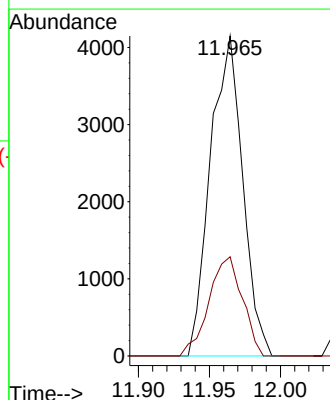
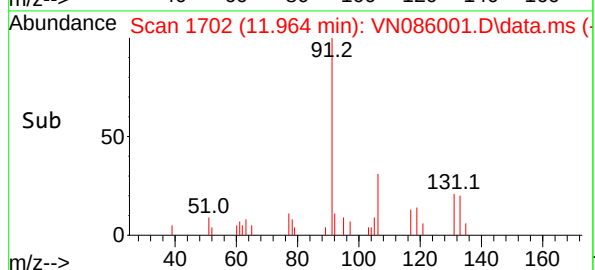
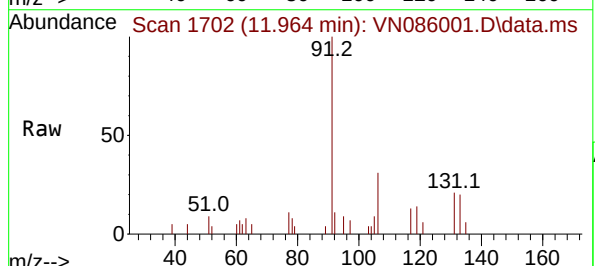
Manual Integrations
APPROVED

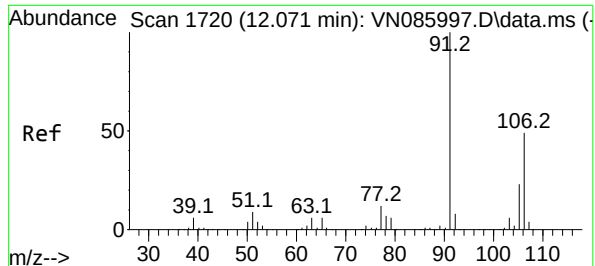
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#67
Ethyl Benzene
Concen: 0.866 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 91 Resp: 6561
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7





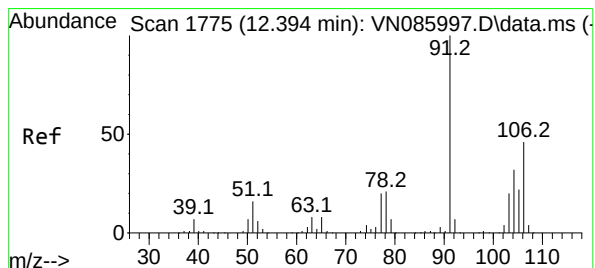
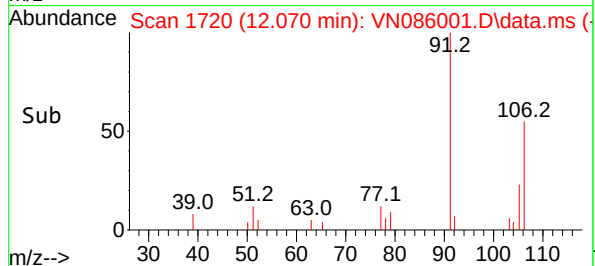
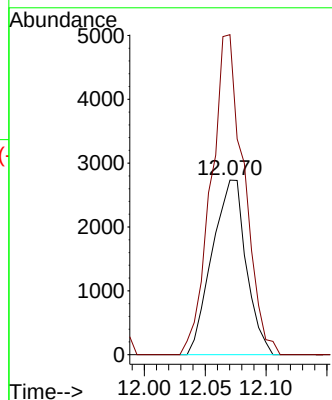
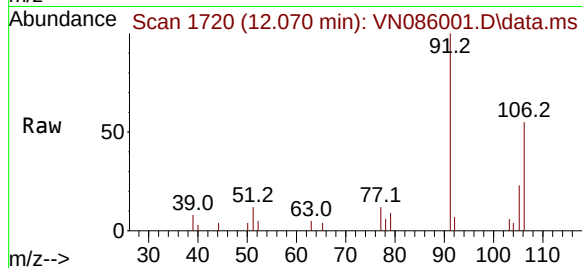
#68
m/p-Xylenes
Concen: 1.787 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 5319
Ion Ratio Lower Upper
106 100
91 177.4 163.9 245.9

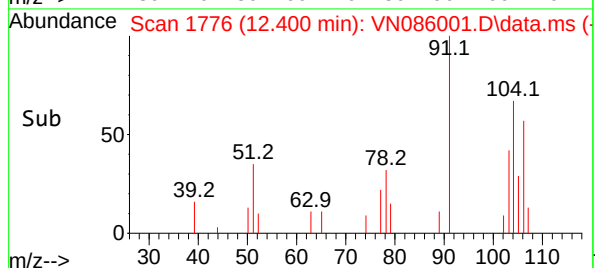
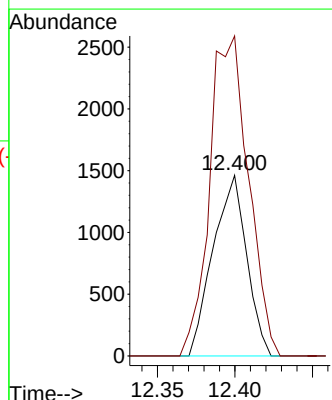
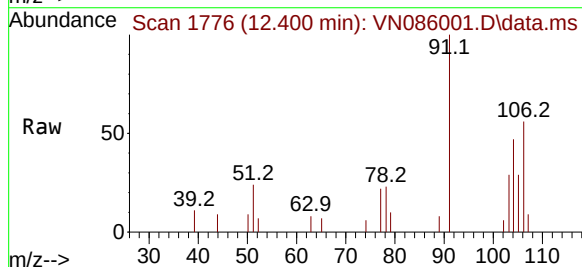
Manual Integrations
APPROVED

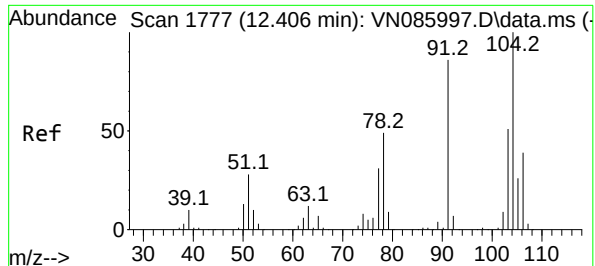
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#69
o-Xylene
Concen: 0.805 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion:106 Resp: 2200
Ion Ratio Lower Upper
106 100
91 205.0 109.1 327.2





#70

Styrene

Concen: 0.819 ug/l

RT: 12.412 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

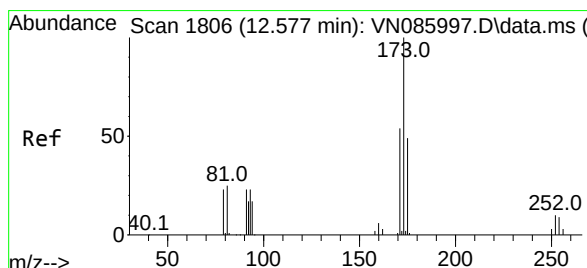
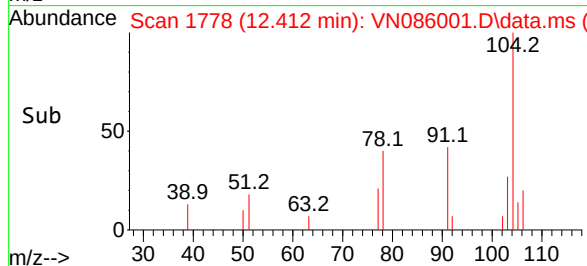
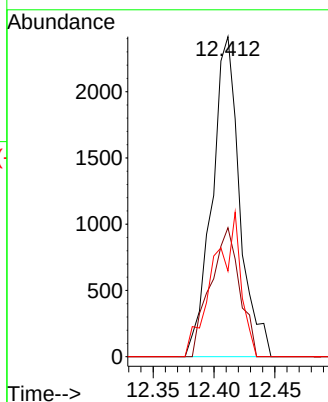
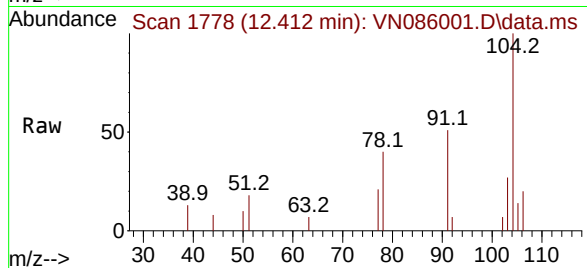
Tgt Ion:104	Resp:	382
Ion Ratio	Lower	Upper
104	100	
78	42.7	41.4 62.2
103	44.5	42.9 64.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#71

Bromoform

Concen: 1.044 ug/l

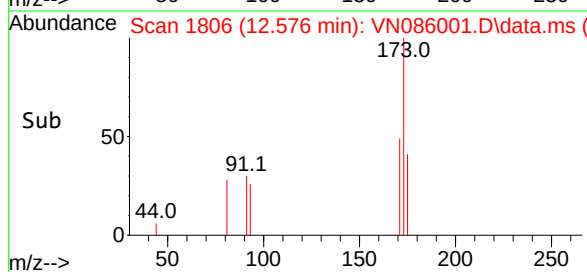
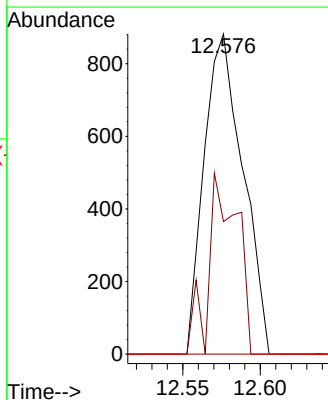
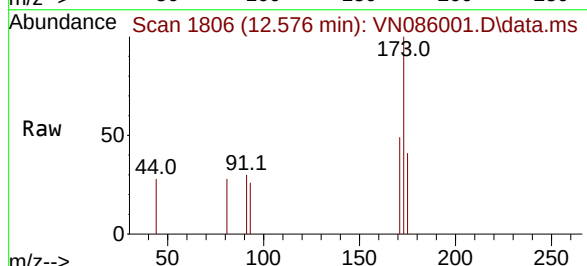
RT: 12.576 min Scan# 1806

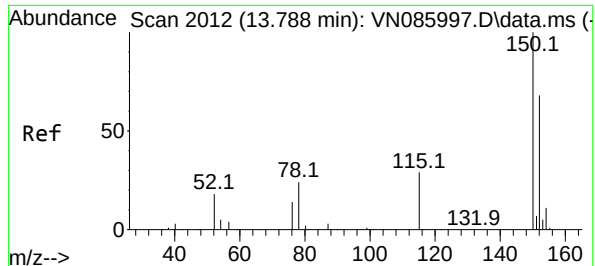
Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

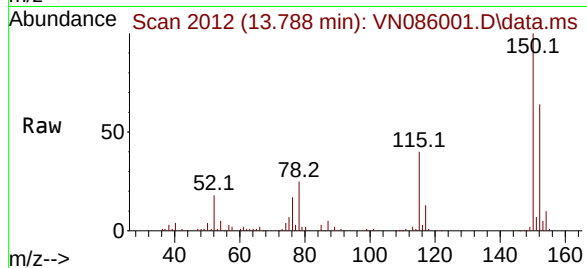
Tgt Ion:173	Resp:	1536
Ion Ratio	Lower	Upper
173	100	
175	42.3	24.3 73.0
254	0.0	0.0 0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

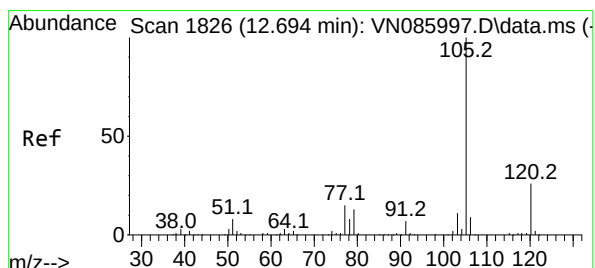
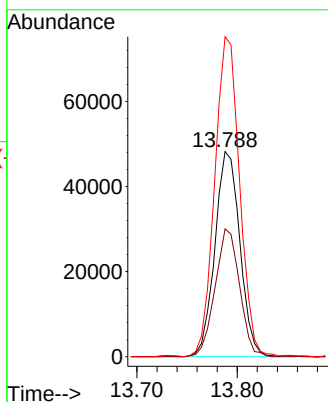
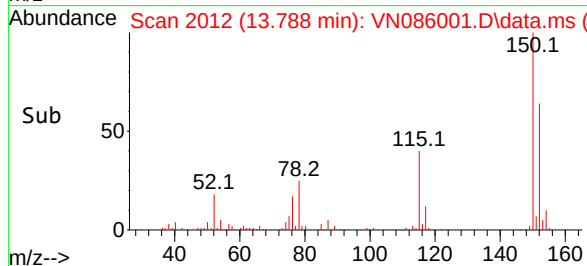
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



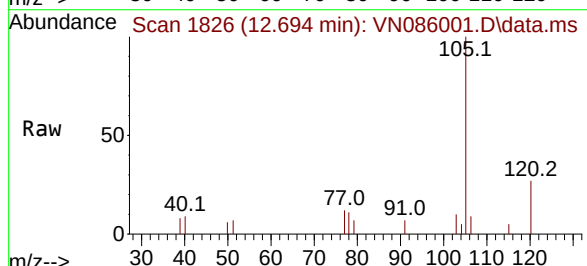
Tgt Ion:152 Resp: 83272
Ion Ratio Lower Upper
152 100
115 61.0 31.1 93.2
150 155.9 0.0 359.6

Manual Integrations
APPROVED

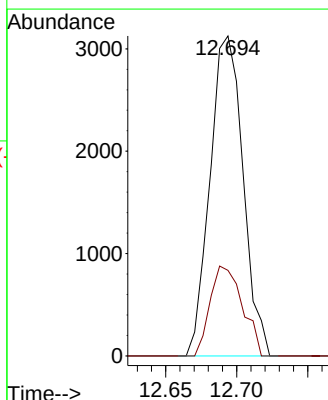
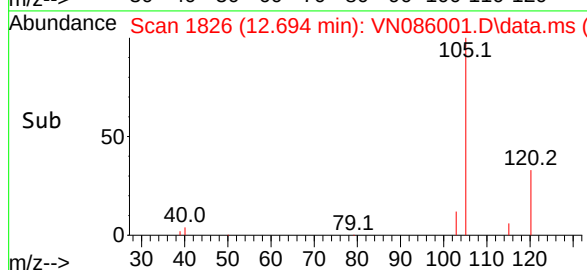
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

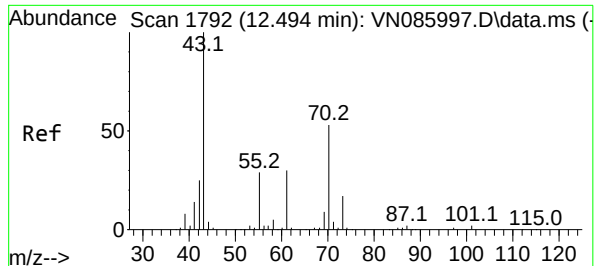


#73
Isopropylbenzene
Concen: 0.890 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09



Tgt Ion:105 Resp: 5061
Ion Ratio Lower Upper
105 100
120 27.4 13.0 39.0





#74

N-amy1 acetate

Concen: 0.861 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 1639

Ion Ratio Lower Upper

43 100

70 53.4 43.0 64.4

55 22.5 23.8 35.8

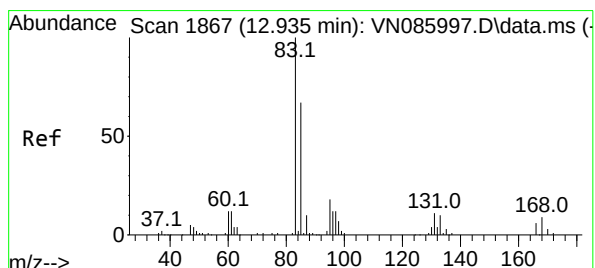
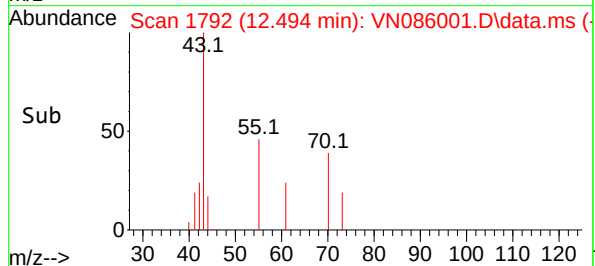
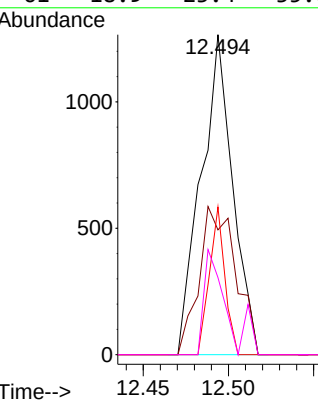
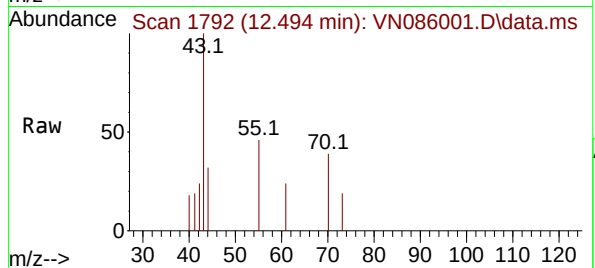
61 18.9 23.4 35.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#75

1,1,2,2-Tetrachloroethane

Concen: 1.135 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

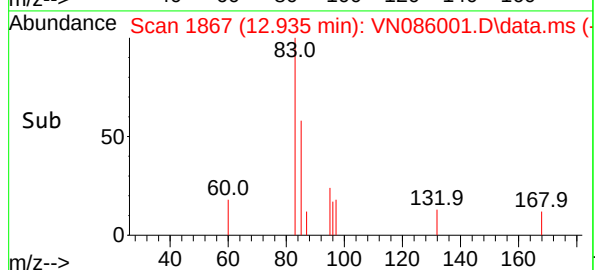
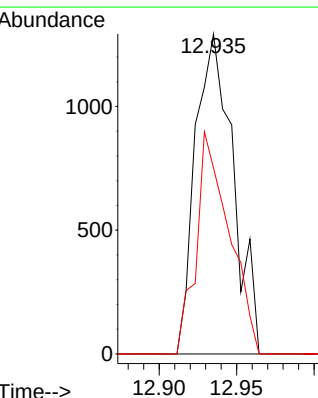
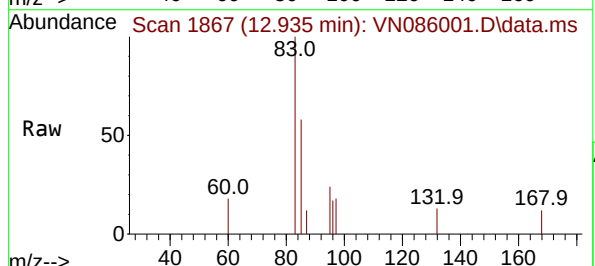
Tgt Ion: 83 Resp: 2184

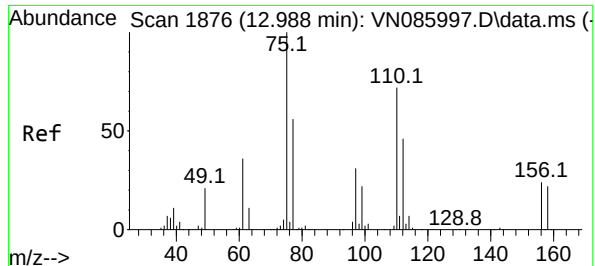
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

85 60.7 32.6 97.8





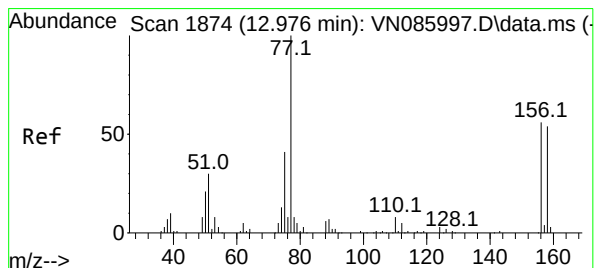
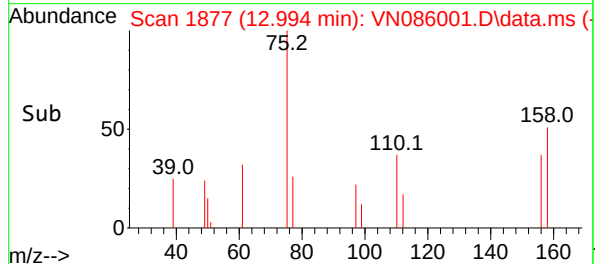
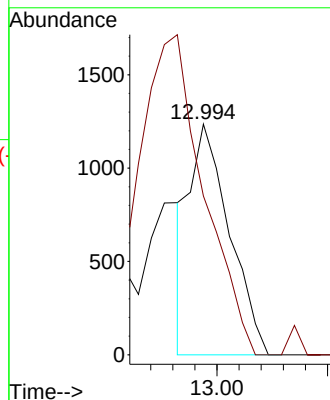
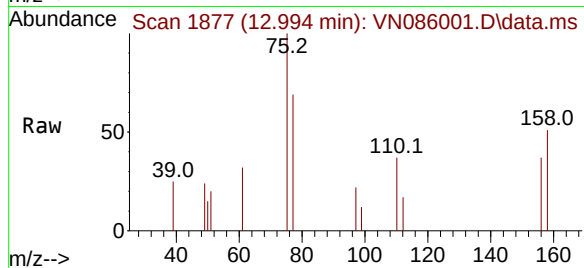
#76
1,2,3-Trichloropropane
Concen: 0.812 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 154
Ion Ratio Lower Upper
75 100
77 228.0 83.7 251.0

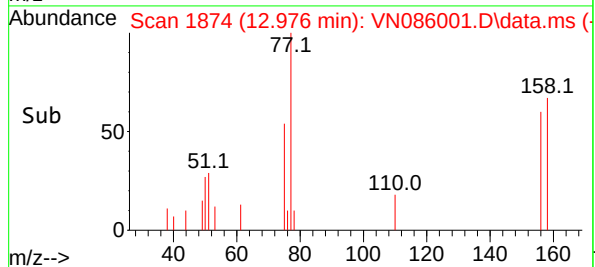
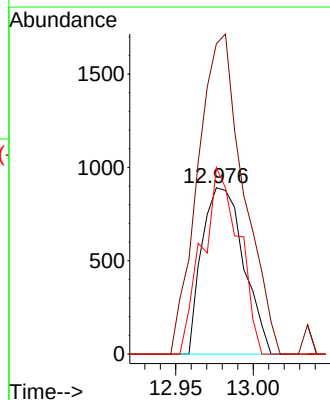
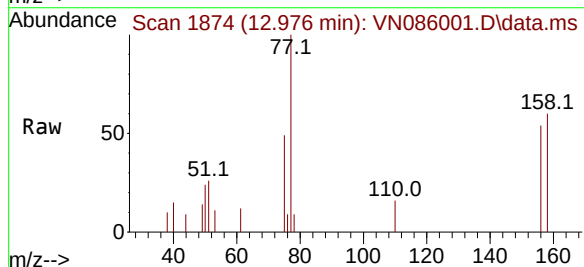
Manual Integrations
APPROVED

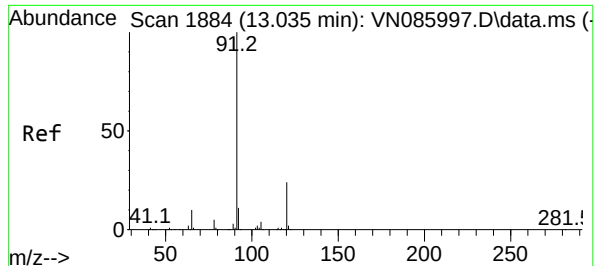
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#77
Bromobenzene
Concen: 1.051 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion:156 Resp: 1666
Ion Ratio Lower Upper
156 100
77 210.9 104.1 312.3
158 99.8 49.0 147.0





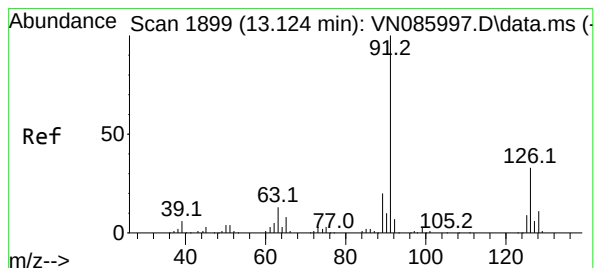
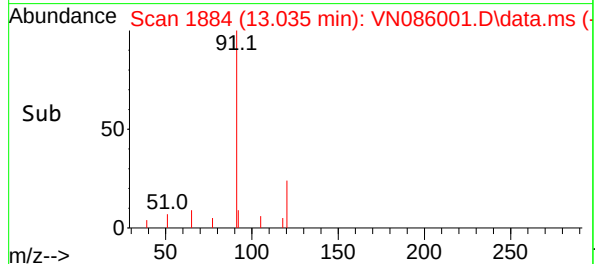
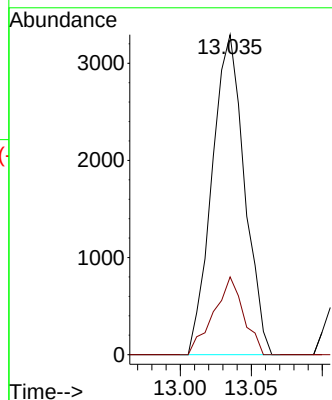
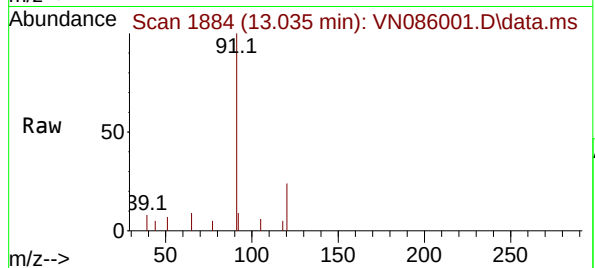
#78
n-propylbenzene
Concen: 0.814 ug/l
RT: 13.035 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 524
Ion Ratio Lower Upper
91 100
120 22.4 11.7 35.0

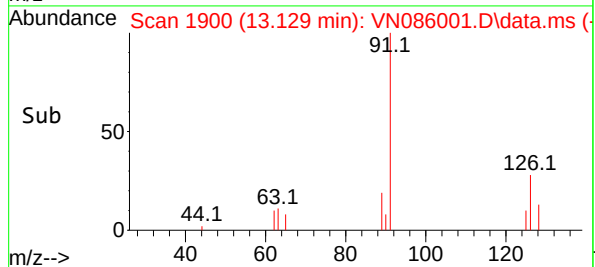
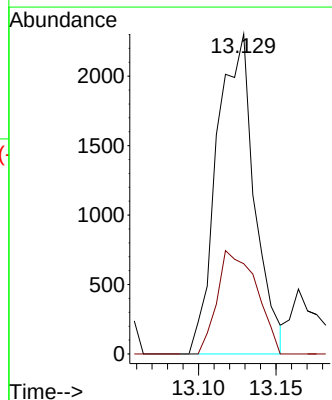
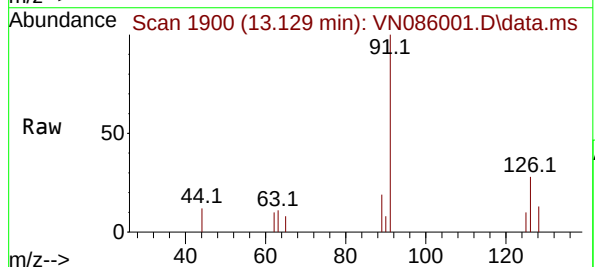
Manual Integrations
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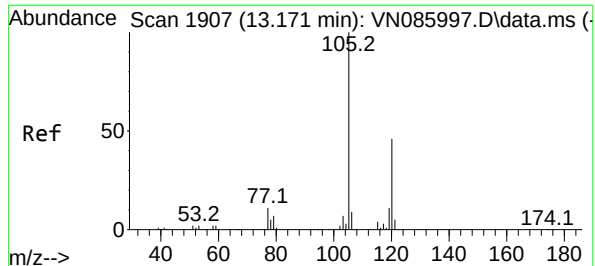
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#79
2-Chlorotoluene
Concen: 0.909 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 91 Resp: 3888
Ion Ratio Lower Upper
91 100
126 33.7 16.4 49.2





#80

1,3,5-Trimethylbenzene

Concen: 0.830 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 3984

Ion Ratio Lower Upper

105 100

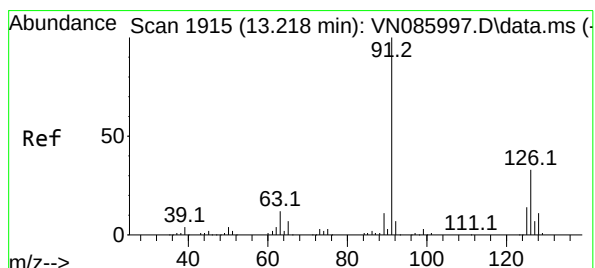
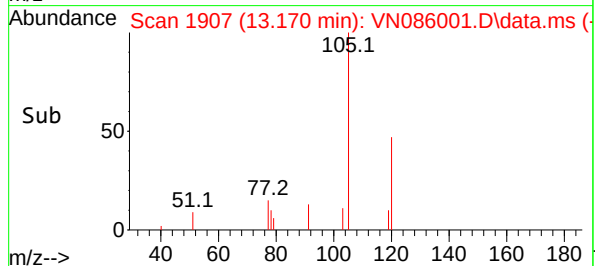
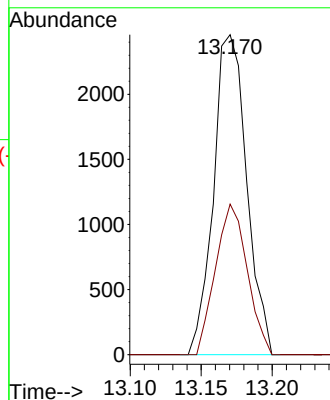
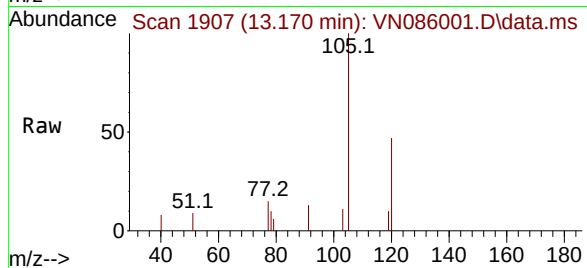
120 45.1 23.7 71.1

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#82

4-Chlorotoluene

Concen: 0.925 ug/l

RT: 13.223 min Scan# 1916

Delta R.T. 0.006 min

Lab File: VN086001.D

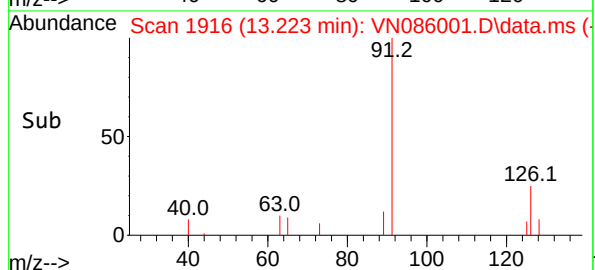
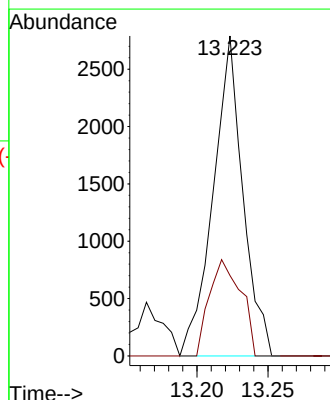
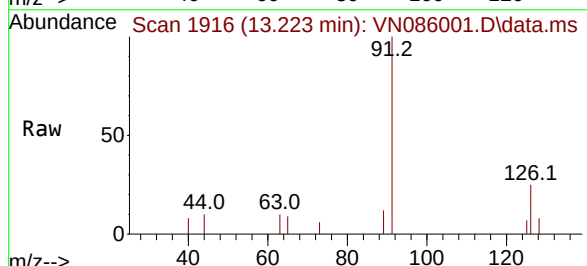
Acq: 18 Mar 2025 14:09

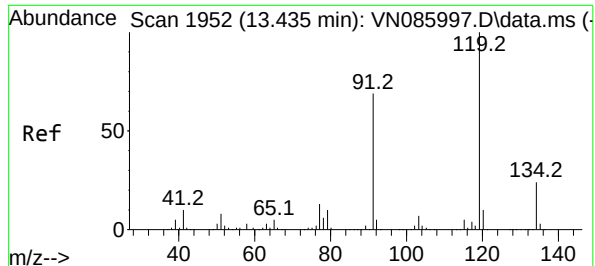
Tgt Ion: 91 Resp: 4068

Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.2





#83

tert-Butylbenzene

Concen: 0.965 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

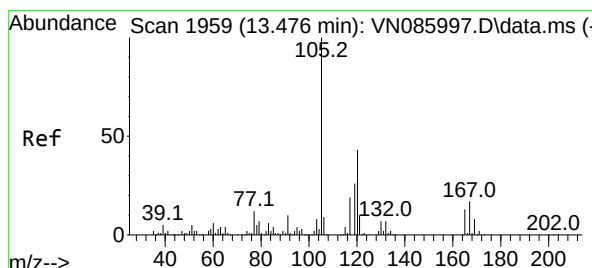
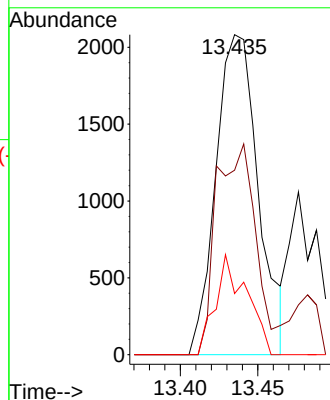
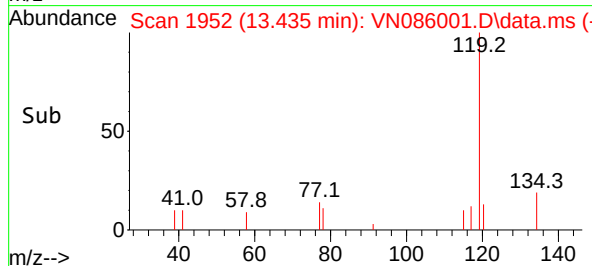
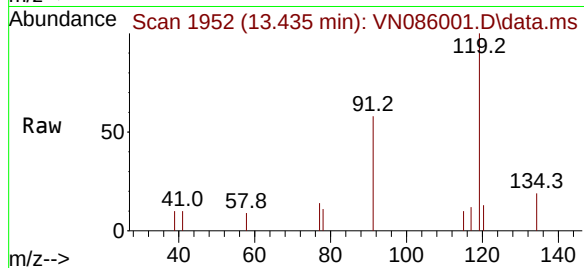
VSTDIC001

Tgt Ion:	119	Resp:	396
Ion	Ratio	Lower	Upper
119	100		
91	62.0	34.3	102.9
134	23.1	13.5	40.5

Manual Integrations

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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.801 ug/l

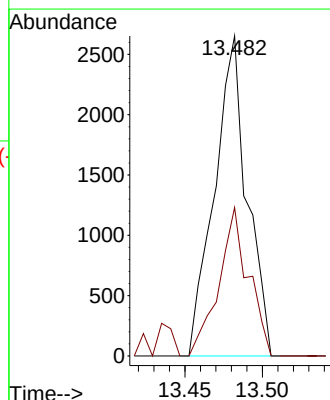
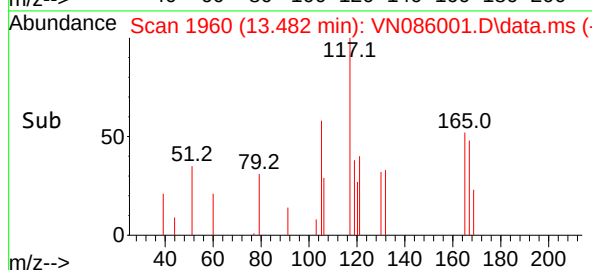
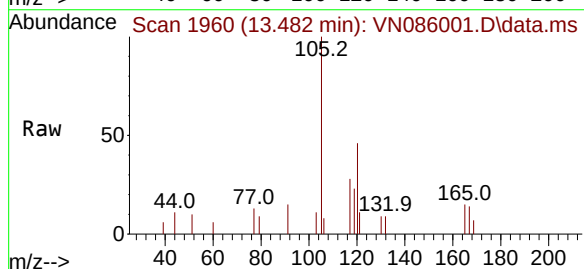
RT: 13.482 min Scan# 1960

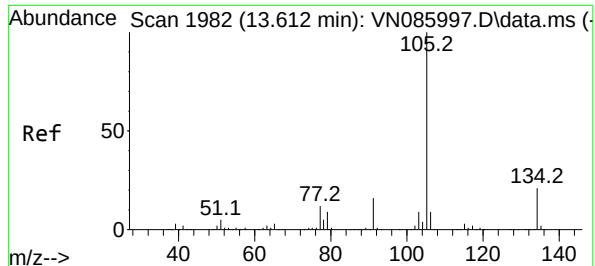
Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion:	105	Resp:	3881
Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.9	65.8





#85

sec-Butylbenzene

Concen: 0.753 ug/l

RT: 13.617 min Scan# 1982

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 4039

Ion Ratio Lower Upper

105 100

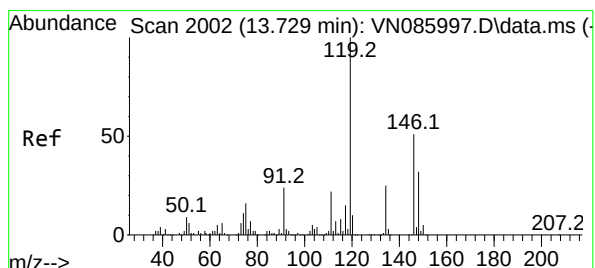
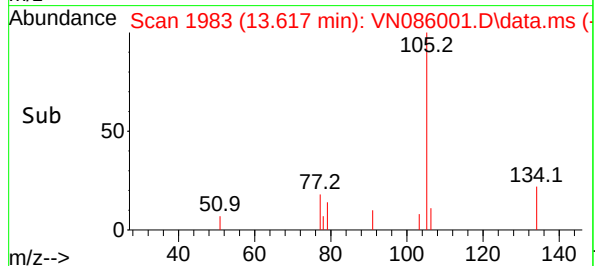
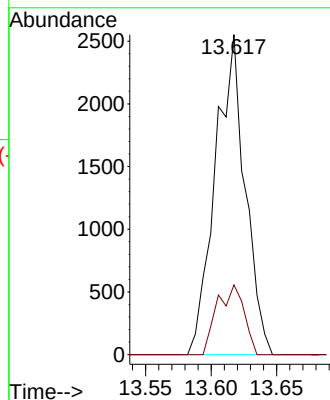
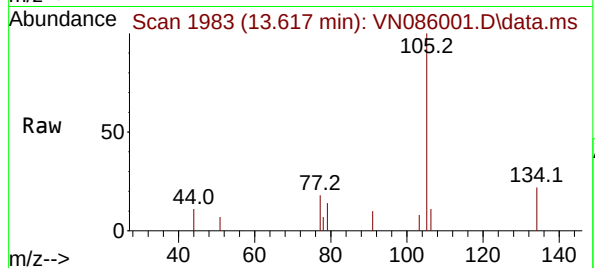
134 19.7 10.1 30.1

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#86

p-Isopropyltoluene

Concen: 0.767 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

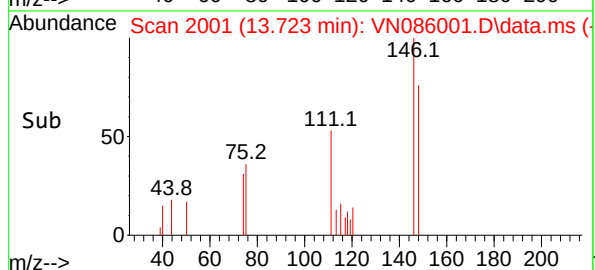
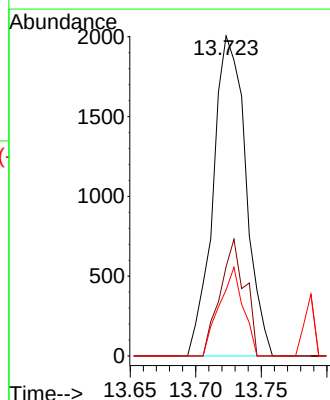
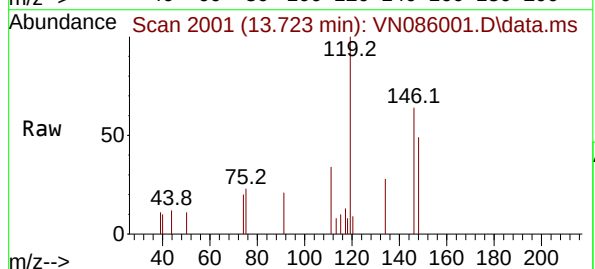
Tgt Ion:119 Resp: 3477

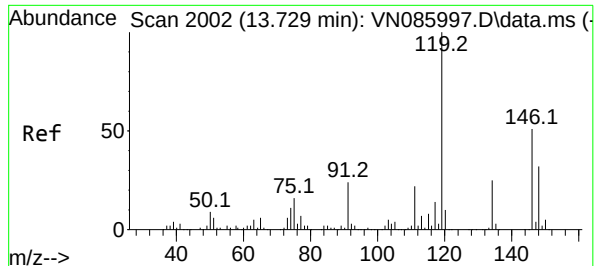
Ion Ratio Lower Upper

119 100

134 27.7 12.6 37.8

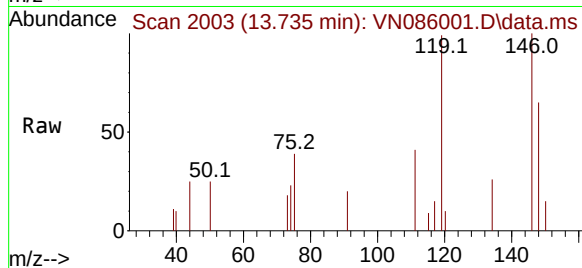
91 20.2 12.3 36.8





#87
1,3-Dichlorobenzene
Concen: 0.984 ug/l
RT: 13.735 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

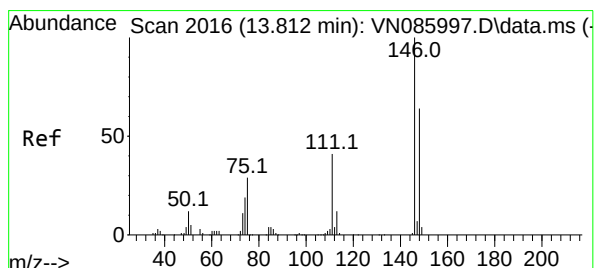
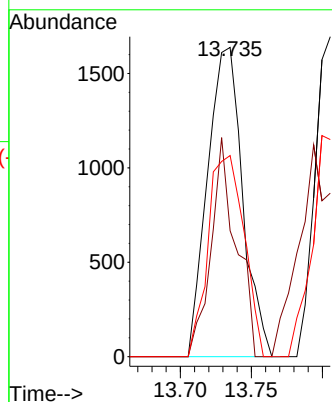
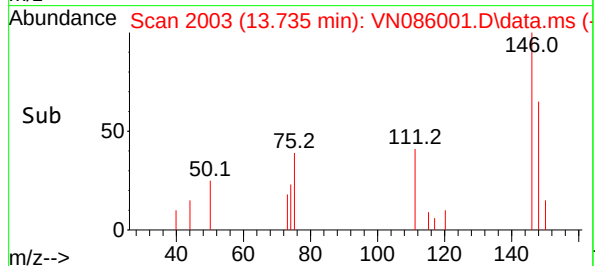
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion:146 Resp: 281
Ion Ratio Lower Upper
146 100
111 50.4 21.2 63.6
148 66.9 31.8 95.4

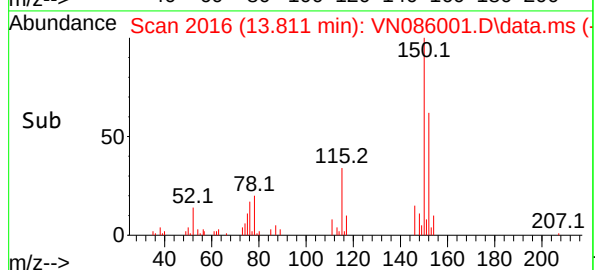
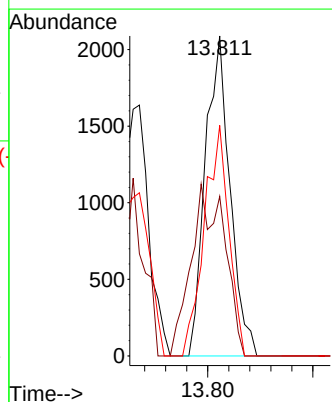
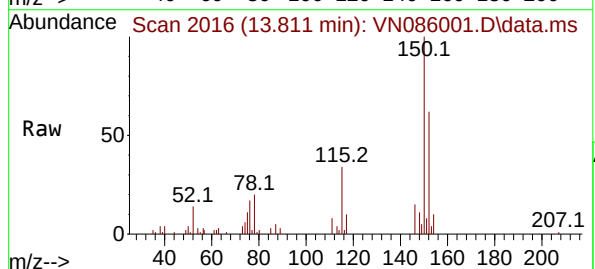
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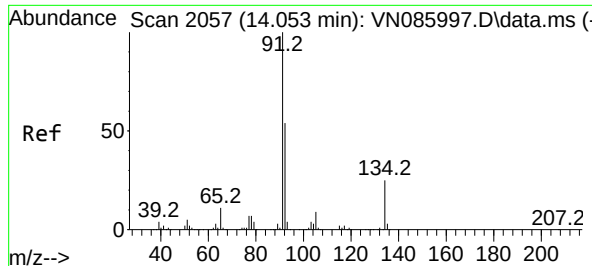
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#88
1,4-Dichlorobenzene
Concen: 1.133 ug/l m
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion:146 Resp: 3403
Ion Ratio Lower Upper
146 100
111 41.7 20.4 61.3
148 55.3 32.1 96.5





#89

n-Butylbenzene

Concen: 0.846 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

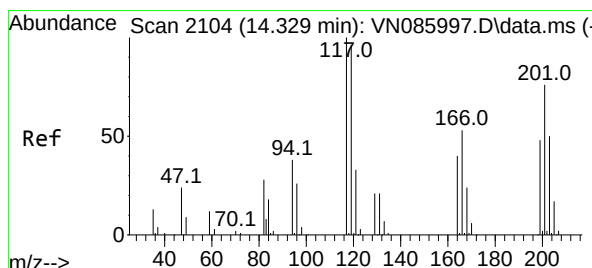
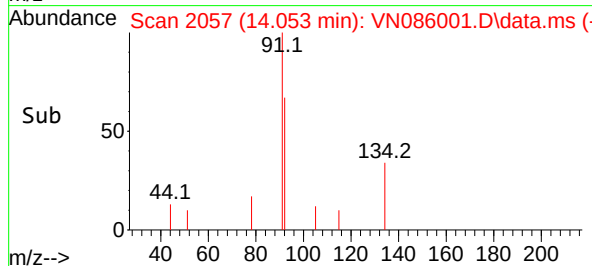
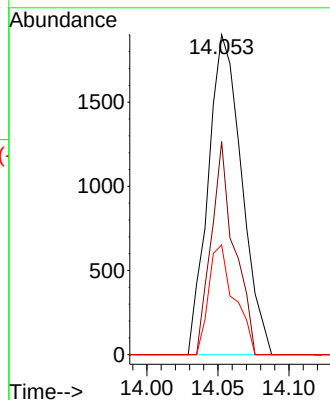
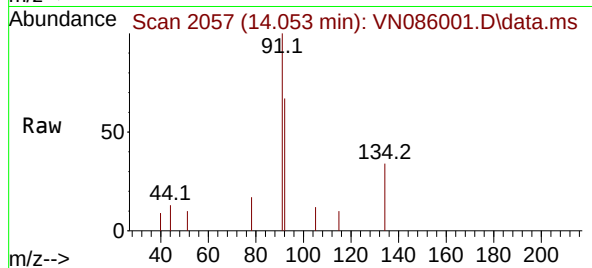
Tgt Ion:	91	Resp:	3124
Ion	Ratio	Lower	Upper
91	100		
92	46.0	26.9	80.6
134	26.3	13.0	39.0

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 1.220 ug/l

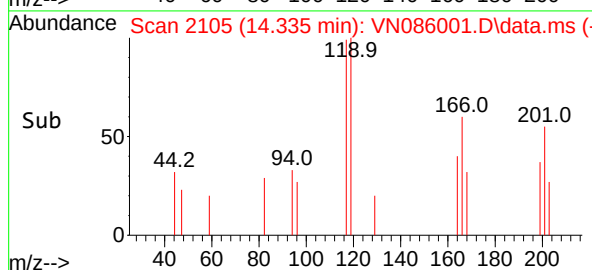
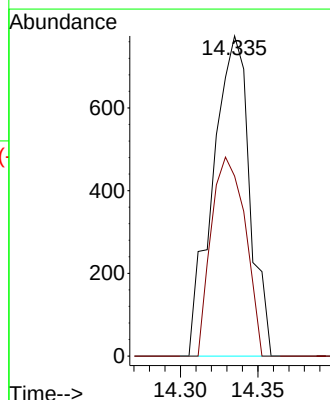
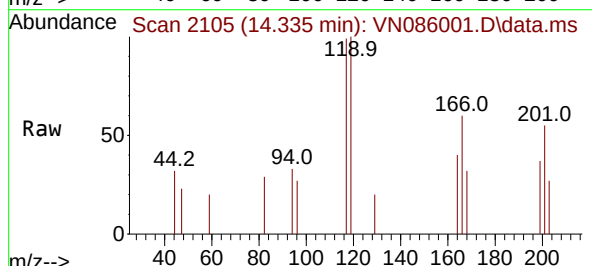
RT: 14.335 min Scan# 2105

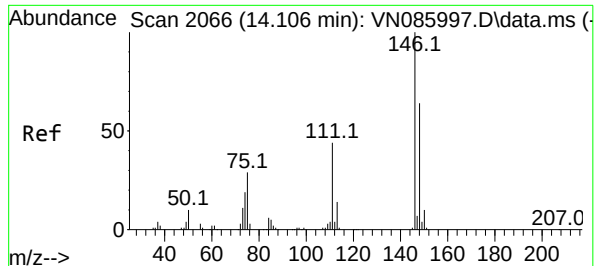
Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion:	117	Resp:	1276
Ion	Ratio	Lower	Upper
117	100		
201	57.6	39.1	117.3





#91

1,2-Dichlorobenzene

Concen: 1.174 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 333

Ion Ratio Lower Upper

146 100

111 43.8 22.3 66.8

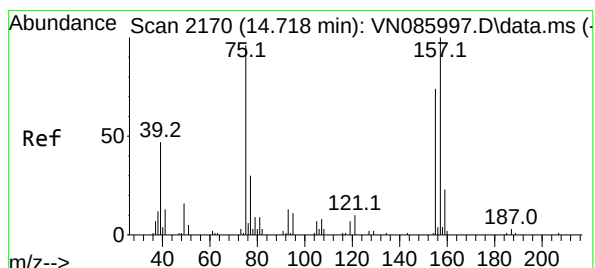
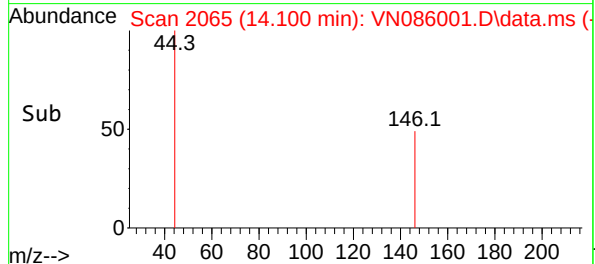
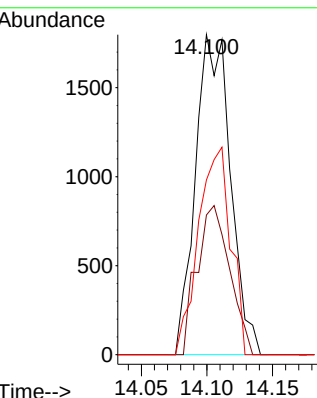
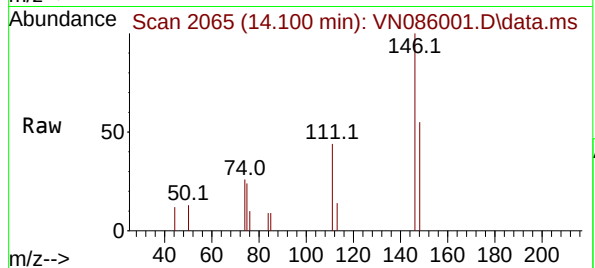
148 59.7 32.1 96.5

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.831 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

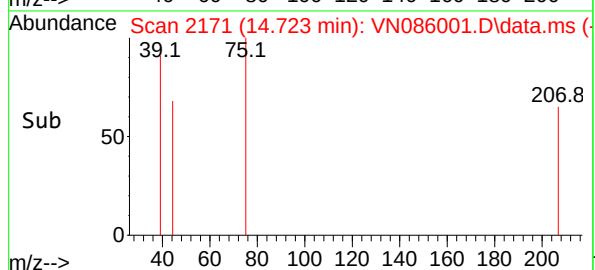
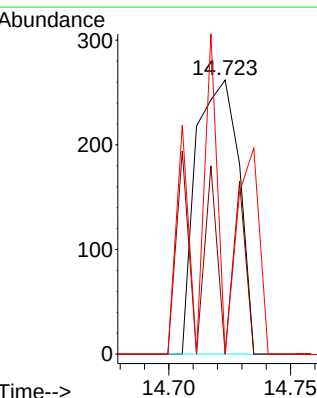
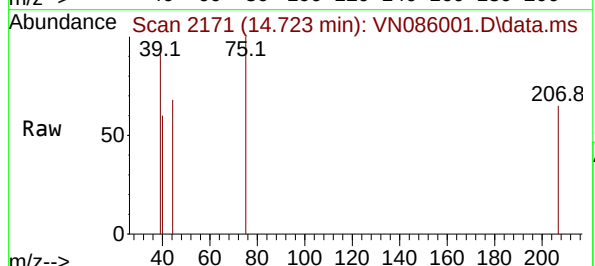
Tgt Ion: 75 Resp: 319

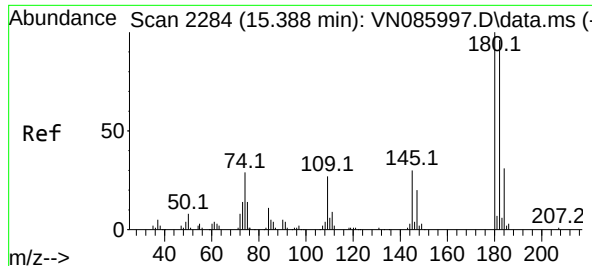
Ion Ratio Lower Upper

75 100

155 0.0 41.0 123.0#

157 33.9 53.7 161.1#





#93

1,2,4-Trichlorobenzene

Concen: 1.048 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

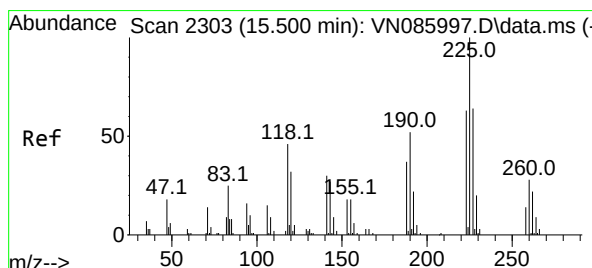
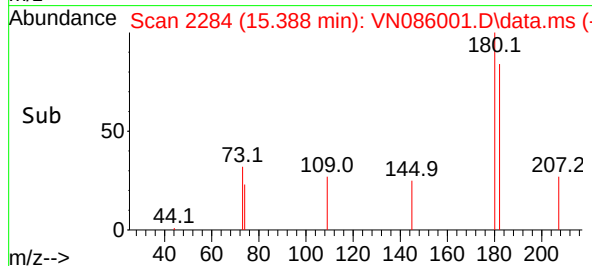
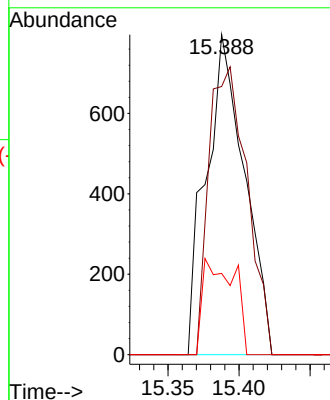
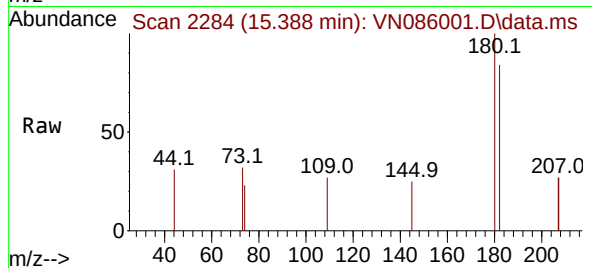
Tgt Ion:180	Resp:	149
Ion Ratio	Lower	Upper
180	100	
182	89.6	47.0 141.0
145	24.4	15.5 46.5

Manual Integrations

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Reviewed By :John Carbone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 1.164 ug/l

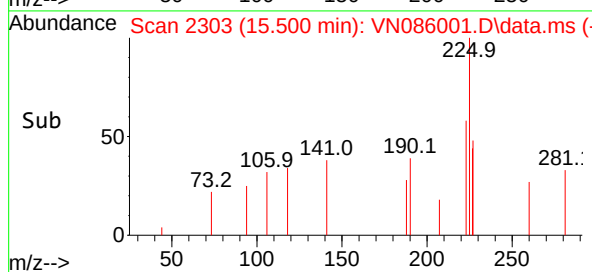
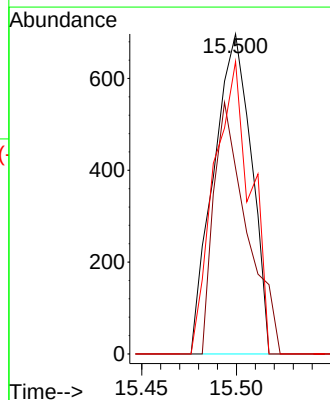
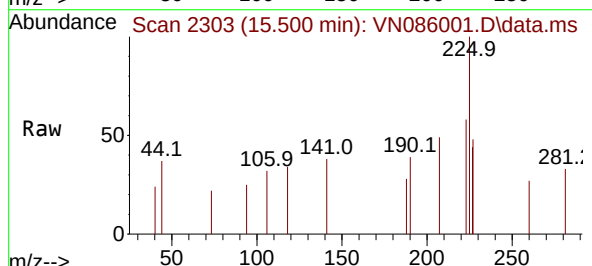
RT: 15.500 min Scan# 2303

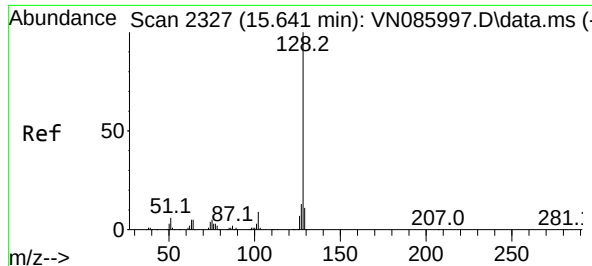
Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

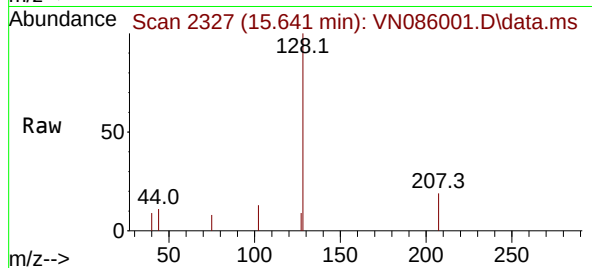
Tgt Ion:225	Resp:	965
Ion Ratio	Lower	Upper
225	100	
223	69.1	31.3 93.9
227	88.8	32.1 96.3





#95
Naphthalene
Concen: 1.006 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

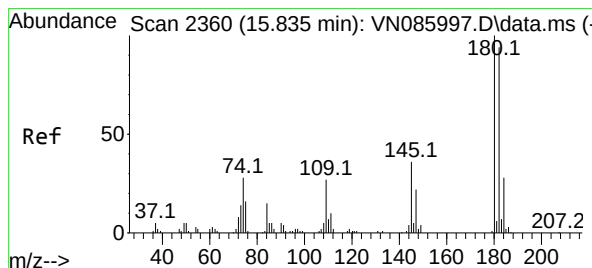
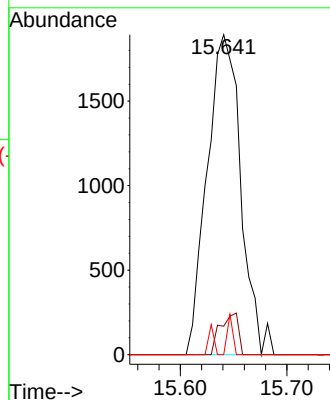
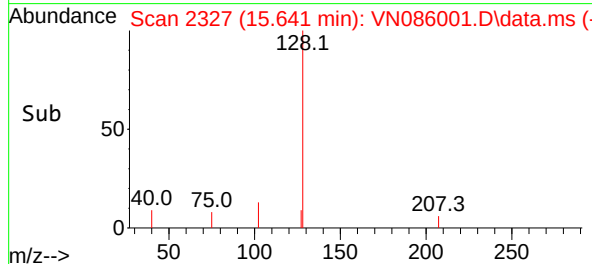
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



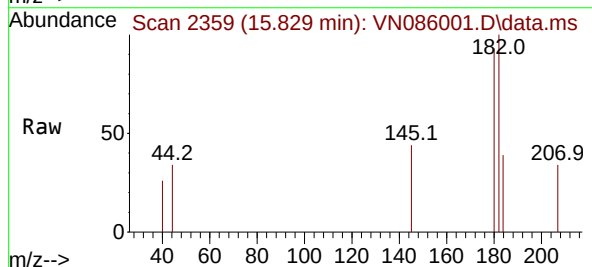
Tgt Ion:128 Resp: 4162
Ion Ratio Lower Upper
128 100
127 6.9 10.2 15.4
129 2.0 9.0 13.6

Manual Integrations
APPROVED

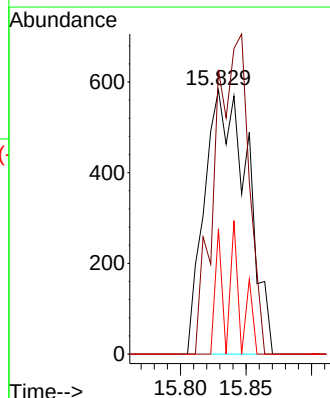
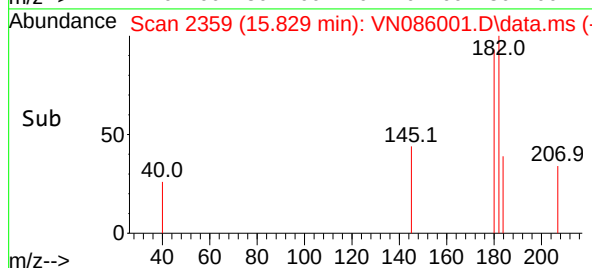
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.980 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09



Tgt Ion:180 Resp: 1329
Ion Ratio Lower Upper
180 100
182 94.1 47.5 142.5
145 7.3 17.7 53.1#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	185181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	272136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125581	49.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.040%		
35) Dibromofluoromethane	8.165	113	100012	48.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.340%		
50) Toluene-d8	10.565	98	385868	51.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.480%		
62) 4-Bromofluorobenzene	12.847	95	141589	53.231	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	106.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	137956	56.232	ug/l	99
3) Chloromethane	2.359	50	112934	52.508	ug/l	99
4) Vinyl Chloride	2.512	62	123086	55.971	ug/l	98
5) Bromomethane	2.948	94	77255	51.574	ug/l	97
6) Chloroethane	3.112	64	70967	51.154	ug/l	90
7) Trichlorofluoromethane	3.495	101	209962	53.112	ug/l	97
8) Diethyl Ether	3.953	74	68372	56.496	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	111303	52.975	ug/l	100
10) Methyl Iodide	4.583	142	155175	56.682	ug/l	94
11) Tert butyl alcohol	5.512	59	85582	238.378	ug/l	99
12) 1,1-Dichloroethene	4.336	96	108747	57.321	ug/l	97
13) Acrolein	4.177	56	104529	272.978	ug/l	100
14) Allyl chloride	5.012	41	133855	56.555	ug/l	98
15) Acrylonitrile	5.712	53	246595	260.076	ug/l	98
16) Acetone	4.418	43	183647	237.056	ug/l	98
17) Carbon Disulfide	4.712	76	317235	50.845	ug/l	98
18) Methyl Acetate	5.012	43	95164	49.649	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	363920	58.538	ug/l	97
20) Methylene Chloride	5.271	84	121113	53.440	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	115247	55.586	ug/l	97
22) Diisopropyl ether	6.665	45	300680	59.615	ug/l	97
23) Vinyl Acetate	6.600	43	1129550	295.428	ug/l	100
24) 1,1-Dichloroethane	6.565	63	203556	54.884	ug/l	99
25) 2-Butanone	7.477	43	283608	253.710	ug/l	99
26) 2,2-Dichloropropane	7.483	77	198771	55.667	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	134668	57.158	ug/l	98
28) Bromochloromethane	7.812	49	68612	43.664	ug/l	98
29) Tetrahydrofuran	7.836	42	185823	269.263	ug/l	99
30) Chloroform	7.959	83	222991	54.394	ug/l	99
31) Cyclohexane	8.253	56	172895	54.721	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	215524	55.539	ug/l	98
36) 1,1-Dichloropropene	8.371	75	155704	57.540	ug/l	100
37) Ethyl Acetate	7.559	43	115871	50.756	ug/l	97
38) Carbon Tetrachloride	8.359	117	201085	56.517	ug/l	95
39) Methylcyclohexane	9.600	83	163279	60.818	ug/l	98
40) Benzene	8.600	78	483089	56.869	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	63723	58.457	ug/l	94
42) 1,2-Dichloroethane	8.665	62	162271	54.822	ug/l	100
43) Isopropyl Acetate	8.683	43	203943	41.226	ug/l	99
44) Trichloroethene	9.347	130	117248	53.255	ug/l	96
45) 1,2-Dichloropropane	9.618	63	111560	57.740	ug/l	97
46) Dibromomethane	9.706	93	85108	56.012	ug/l	98
47) Bromodichloromethane	9.882	83	177051	55.753	ug/l	95
48) Methyl methacrylate	9.677	41	94275	57.751	ug/l	98
49) 1,4-Dioxane	9.688	88	40821	1057.815	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	607531	278.467	ug/l	99
52) Toluene	10.629	92	314632	60.348	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	184084	59.689	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	194976	59.921	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	111563	56.064	ug/l	97
56) Ethyl methacrylate	10.871	69	174971	55.208	ug/l	99
57) 1,3-Dichloropropane	11.159	76	194964	57.684	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	382073	306.978	ug/l	99
59) 2-Hexanone	11.194	43	448560	282.228	ug/l	98
60) Dibromochloromethane	11.353	129	147588	57.477	ug/l	98
61) 1,2-Dibromoethane	11.465	107	117559	57.545	ug/l	99
64) Tetrachloroethene	11.100	164	114717	52.844	ug/l	97
65) Chlorobenzene	11.888	112	334921	53.783	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	126196	54.515	ug/l	98
67) Ethyl Benzene	11.959	91	593609	59.592	ug/l	99
68) m/p-Xylenes	12.065	106	472258	120.622	ug/l	99
69) o-Xylene	12.394	106	223040	62.069	ug/l	100
70) Styrene	12.406	104	378434	61.658	ug/l	99
71) Bromoform	12.576	173	103943	53.714	ug/l #	99
73) Isopropylbenzene	12.694	105	562565	58.664	ug/l	100
74) N-amyl acetate	12.488	43	182359	56.839	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	160871	49.586	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	153873m	48.944	ug/l	
77) Bromobenzene	12.976	156	142234	53.193	ug/l	98
78) n-propylbenzene	13.035	91	660295	60.807	ug/l	100
79) 2-Chlorotoluene	13.123	91	414442	57.461	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	491547	60.712	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	68481	57.589	ug/l	93
82) 4-Chlorotoluene	13.218	91	422016	56.898	ug/l	99
83) tert-Butylbenzene	13.435	119	405831	58.608	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	503636	61.674	ug/l	99
85) sec-Butylbenzene	13.612	105	567954	62.874	ug/l	99
86) p-Isopropyltoluene	13.723	119	488020	63.821	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	267129	55.423	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	262223	51.782	ug/l	99
89) n-Butylbenzene	14.053	91	393994	63.272	ug/l	99
90) Hexachloroethane	14.329	117	93033	52.727	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	254035	53.019	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33218	51.293	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	131782	54.700	ug/l	98
94) Hexachlorobutadiene	15.494	225	70418	50.380	ug/l	99
95) Naphthalene	15.635	128	378782	54.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	127760	55.887	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

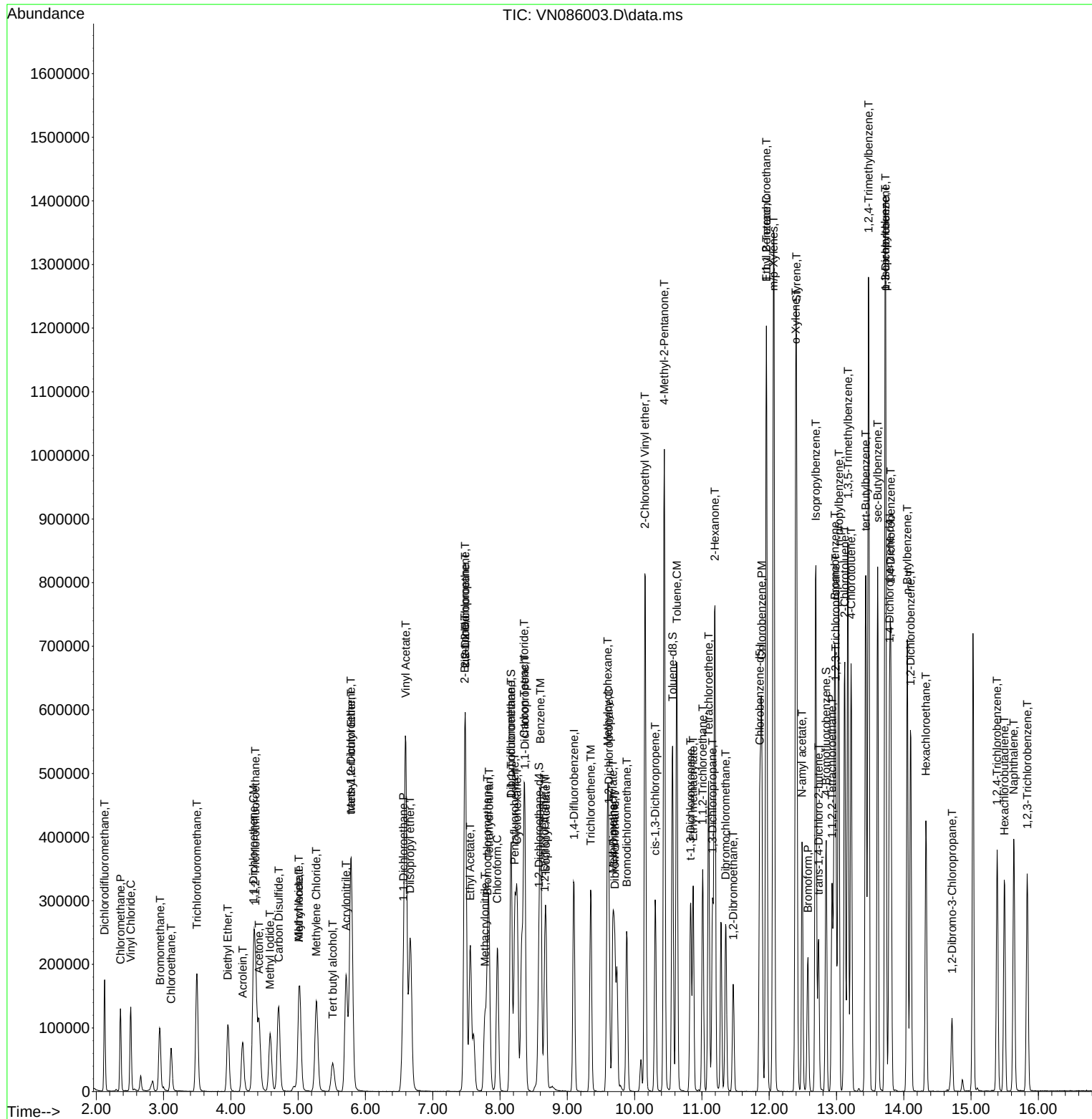
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

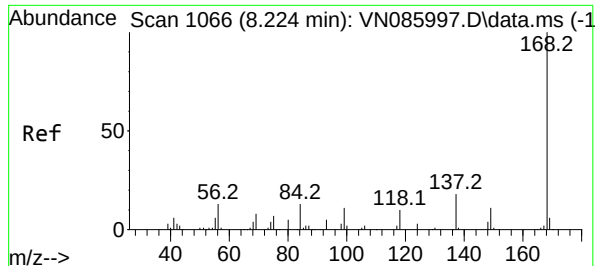
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations

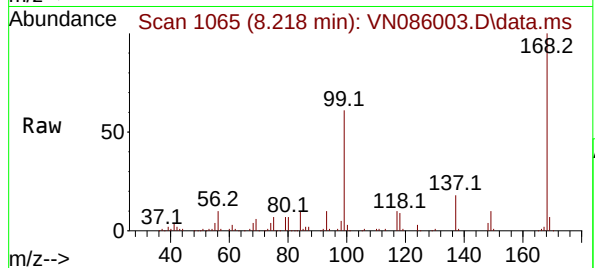
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

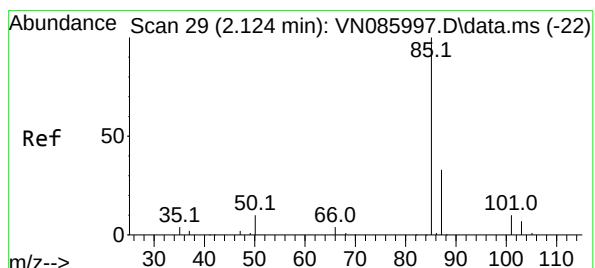
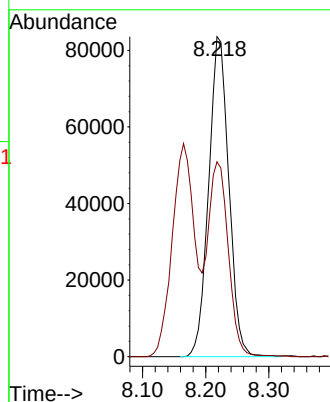
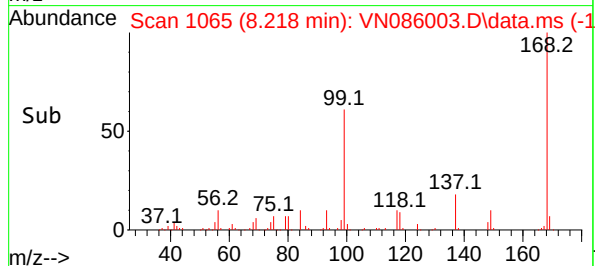
Instrument :
MSVOA_N
ClientSampleId :
ICV031825



Tgt Ion:168 Resp: 18518
Ion Ratio Lower Upper
168 100
99 60.7 49.4 74.2

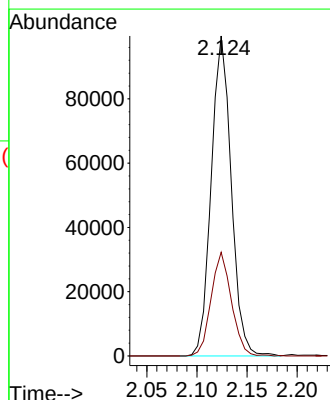
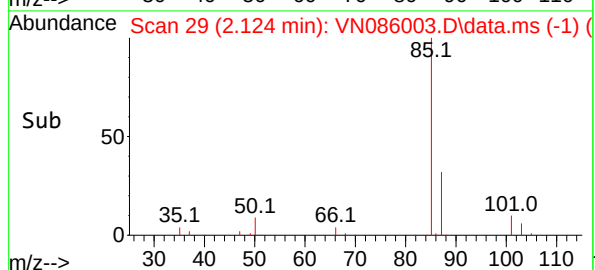
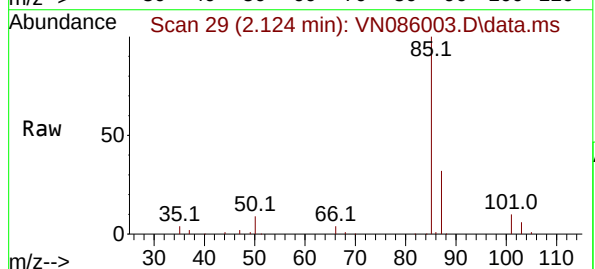
Manual Integrations
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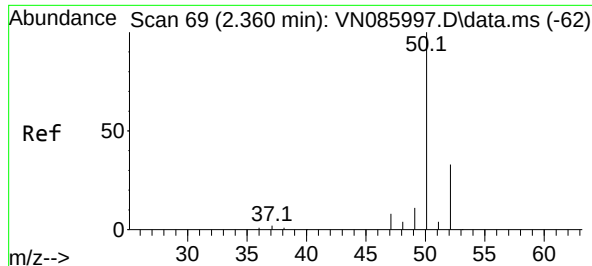
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 56.232 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 85 Resp: 137956
Ion Ratio Lower Upper
85 100
87 32.4 16.5 49.5





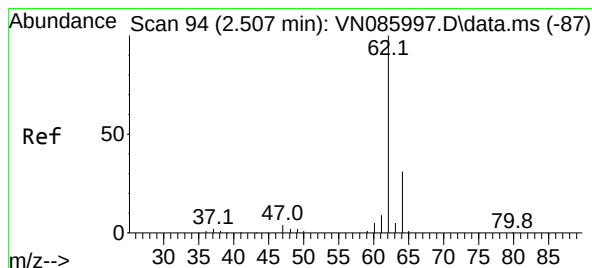
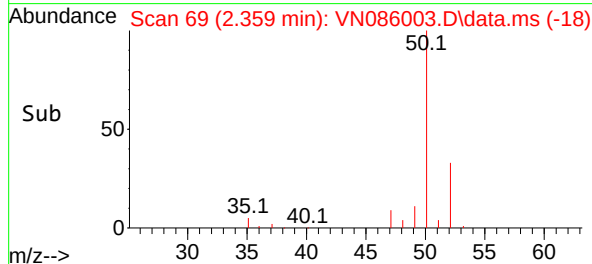
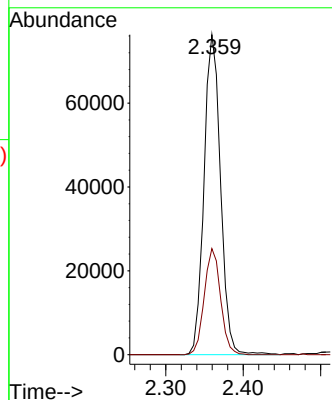
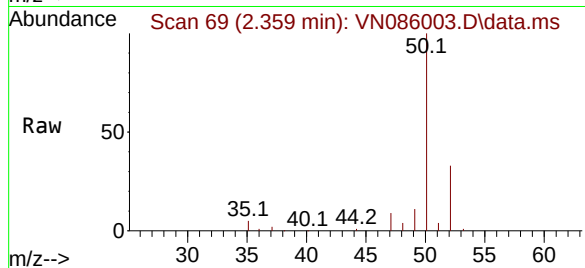
#3
Chloromethane
Concen: 52.508 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion: 50 Resp: 112934
Ion Ratio Lower Upper
50 100
52 33.2 26.0 39.0

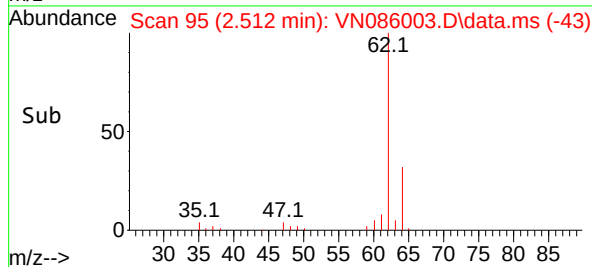
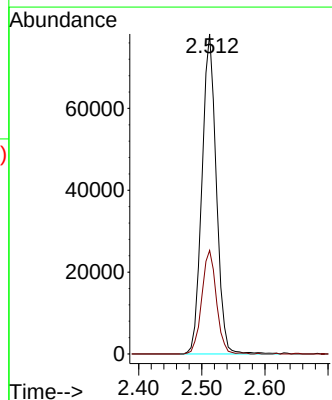
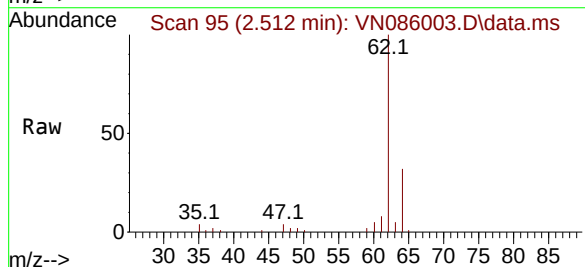
Manual Integrations
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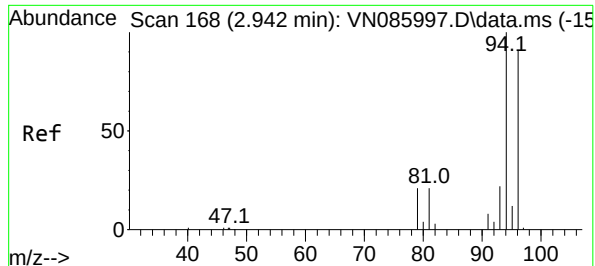
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 55.971 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 62 Resp: 123086
Ion Ratio Lower Upper
62 100
64 32.3 25.2 37.8





#5

Bromomethane

Concen: 51.574 ug/l

RT: 2.948 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 94 Resp: 7725

Ion Ratio Lower Upper

94 100

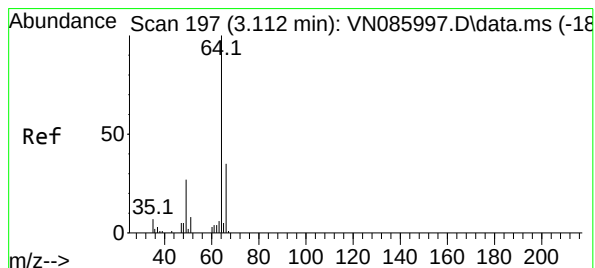
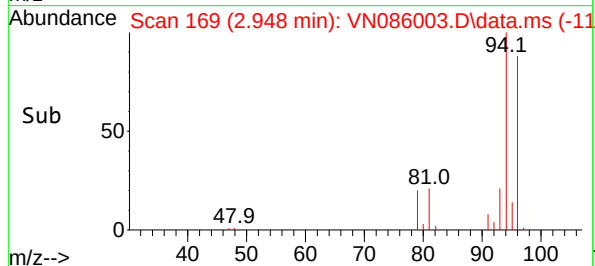
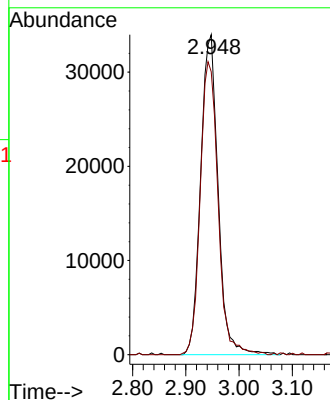
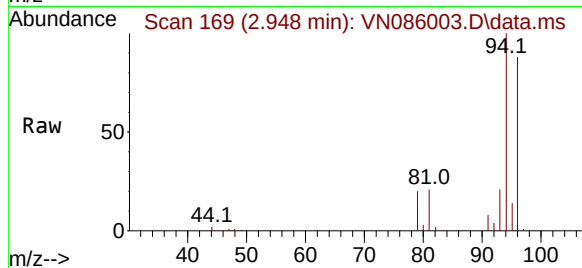
96 88.4 72.8 109.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#6

Chloroethane

Concen: 51.154 ug/l

RT: 3.112 min Scan# 197

Delta R.T. -0.000 min

Lab File: VN086003.D

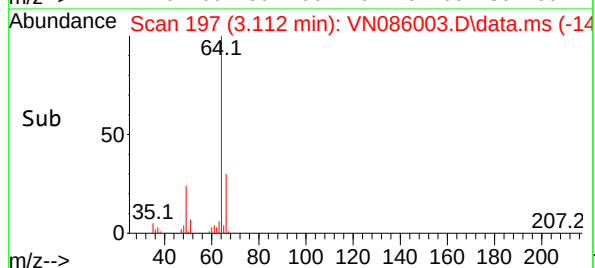
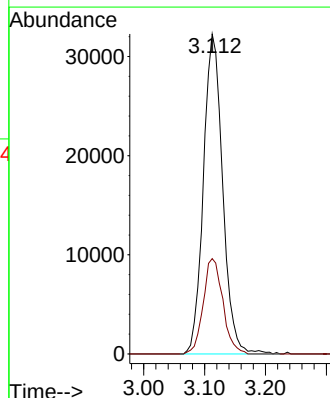
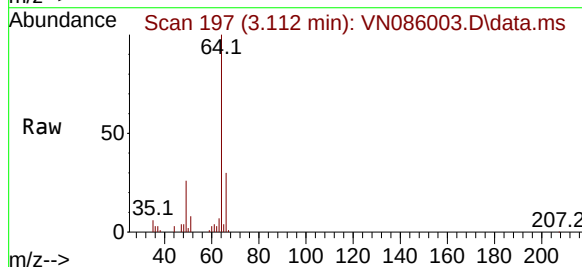
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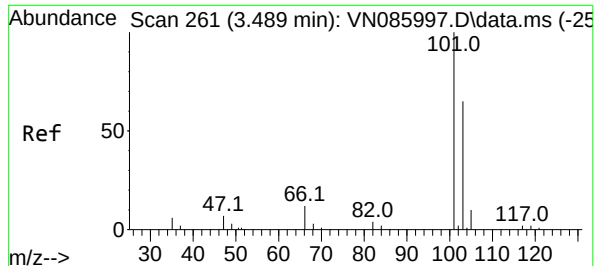
Tgt Ion: 64 Resp: 70967

Ion Ratio Lower Upper

64 100

66 29.8 28.3 42.5





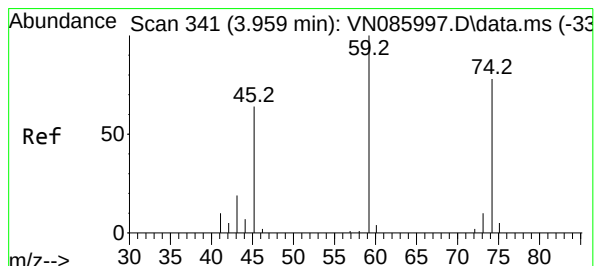
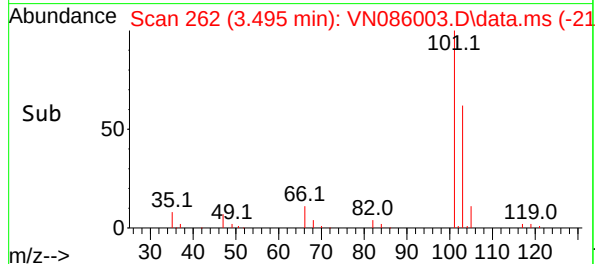
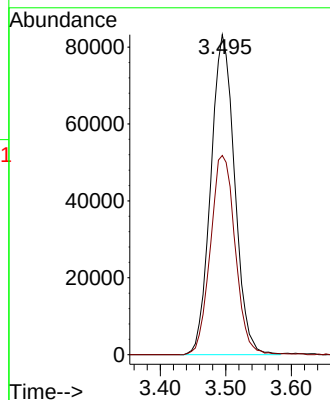
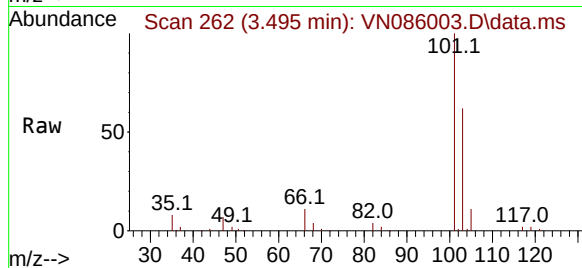
#7
Trichlorofluoromethane
Concen: 53.112 ug/l
RT: 3.495 min Scan# 20996
Delta R.T. 0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion:101 Resp: 20996
Ion Ratio Lower Upper
101 100
103 62.2 51.7 77.5

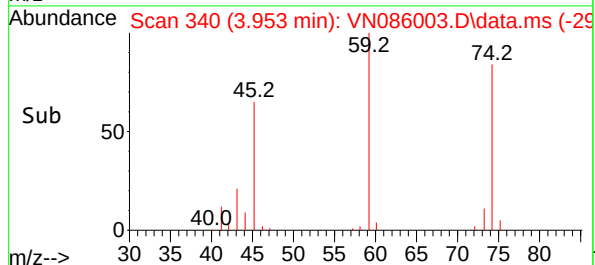
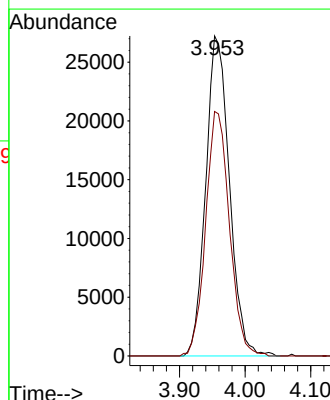
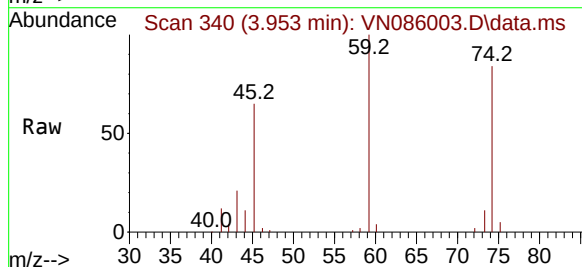
Manual Integrations
APPROVED

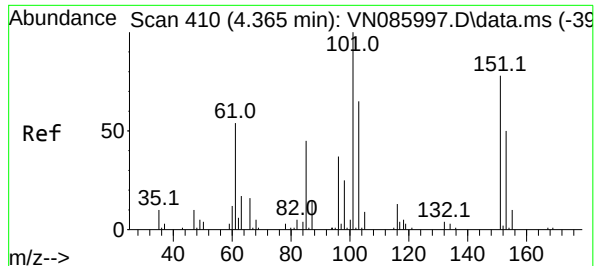
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 56.496 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 74 Resp: 68372
Ion Ratio Lower Upper
74 100
45 76.7 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.975 ug/l

RT: 4.365 min Scan# 410

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion:101 Resp: 11130

Ion Ratio Lower Upper

101 100

85 45.3 36.5 54.7

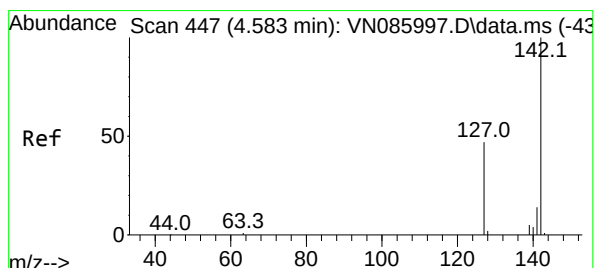
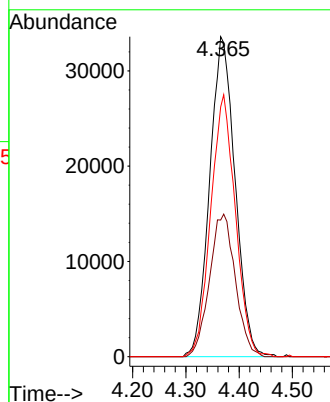
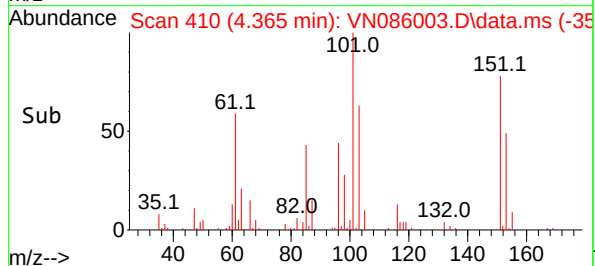
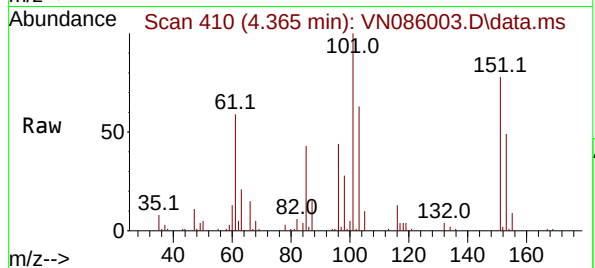
151 79.5 63.4 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#10

Methyl Iodide

Concen: 56.682 ug/l

RT: 4.583 min Scan# 447

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

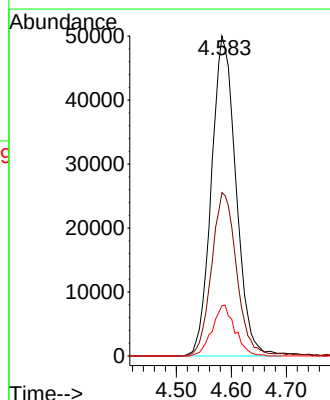
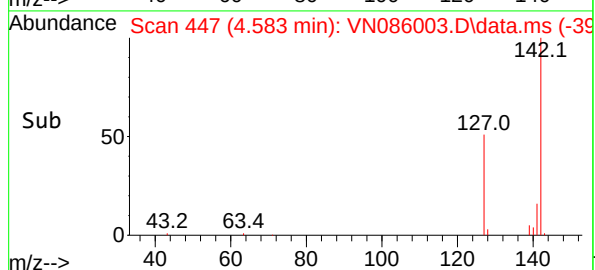
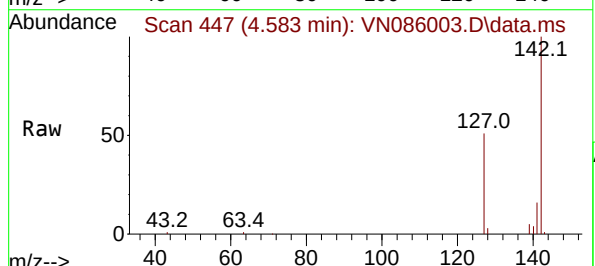
Tgt Ion:142 Resp: 155175

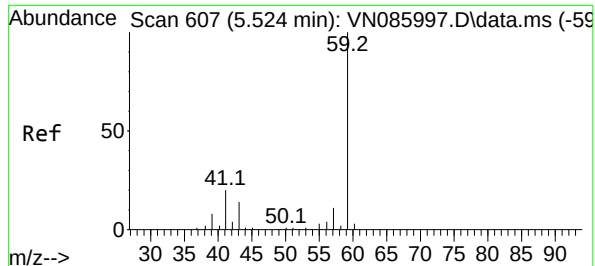
Ion Ratio Lower Upper

142 100

127 51.1 37.5 56.3

141 15.7 11.0 16.6





#11

Tert butyl alcohol

Concen: 238.378 ug/l

RT: 5.512 min Scan# 607

Delta R.T. -0.012 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 59 Resp: 8558

Ion Ratio Lower Upper

59 100

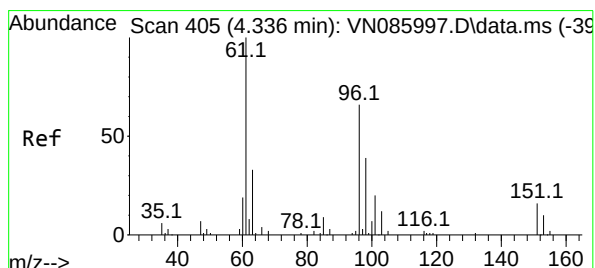
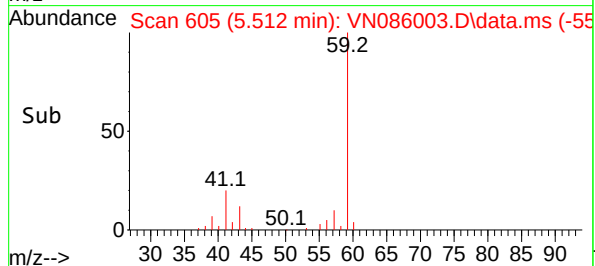
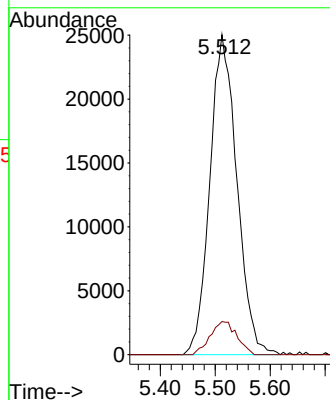
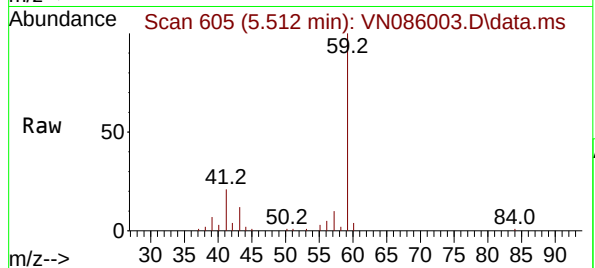
57 10.2 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#12

1,1-Dichloroethene

Concen: 57.321 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

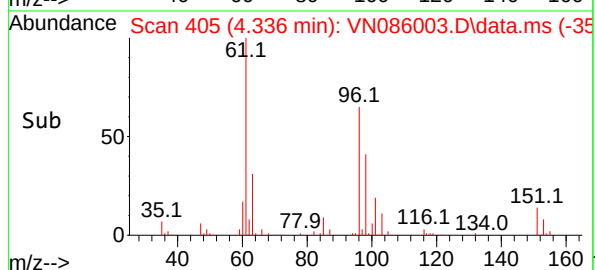
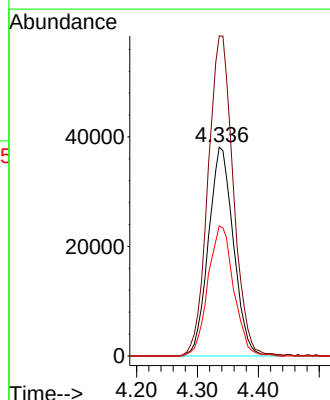
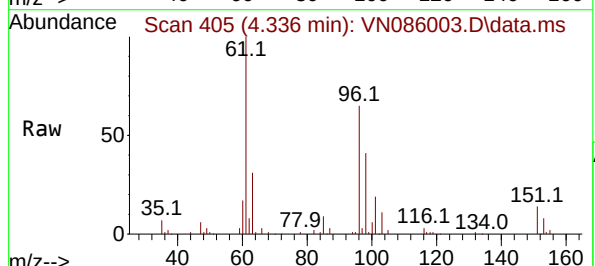
Tgt Ion: 96 Resp: 108747

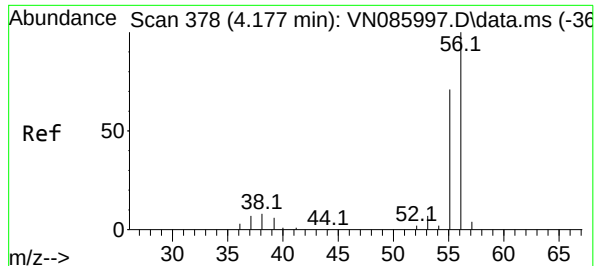
Ion Ratio Lower Upper

96 100

61 153.3 120.5 180.7

98 62.3 47.4 71.0





#13

Acrolein

Concen: 272.978 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 56 Resp: 104529

Ion Ratio Lower Upper

56 100

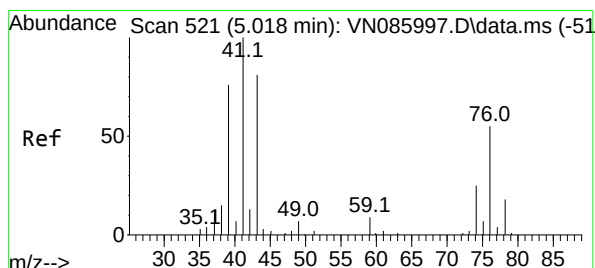
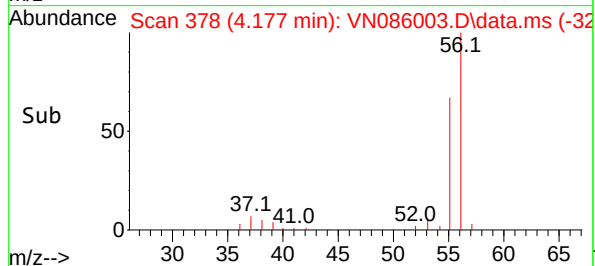
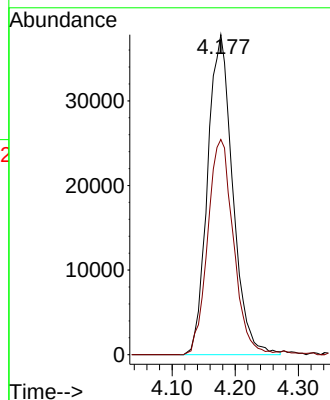
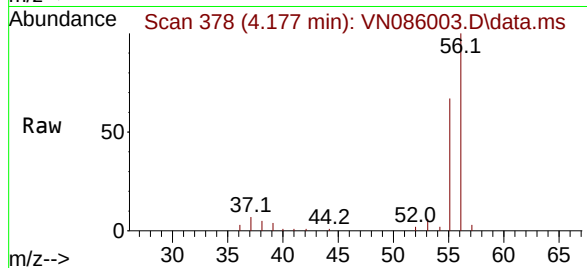
55 68.8 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 56.555 ug/l

RT: 5.012 min Scan# 520

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

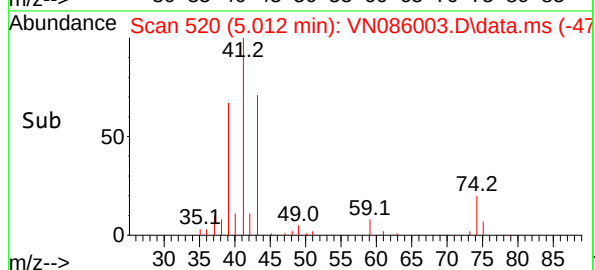
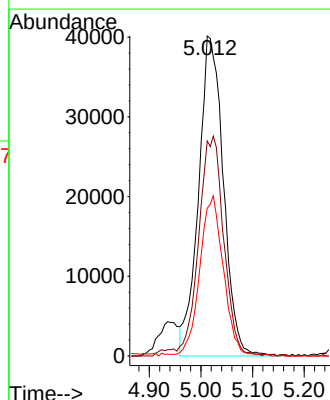
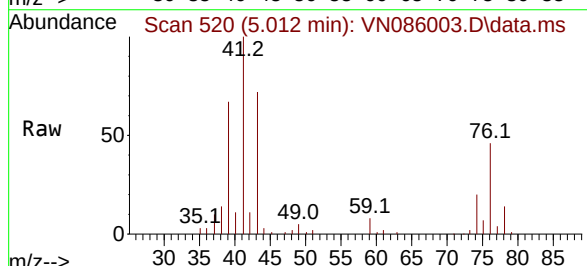
Tgt Ion: 41 Resp: 133855

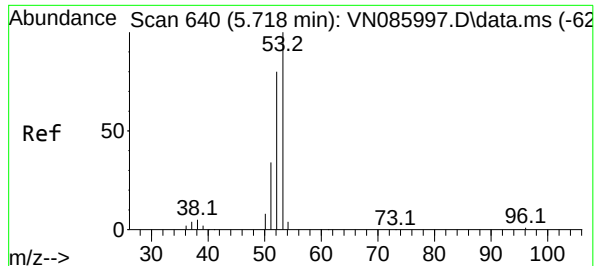
Ion Ratio Lower Upper

41 100

39 70.7 55.5 83.3

76 47.6 39.1 58.7





#15

Acrylonitrile

Concen: 260.076 ug/l

RT: 5.712 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 53 Resp: 24659

Ion Ratio Lower Upper

53 100

52 80.9 63.9 95.9

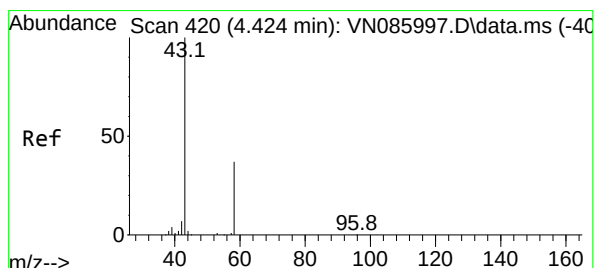
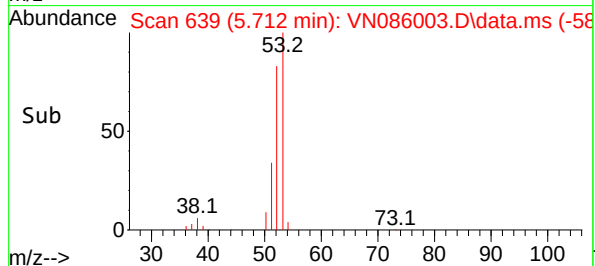
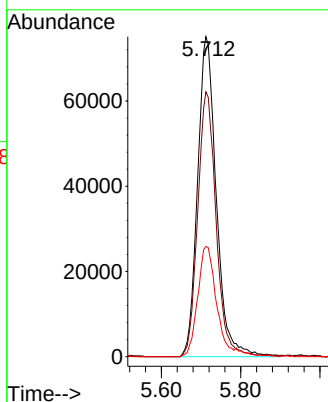
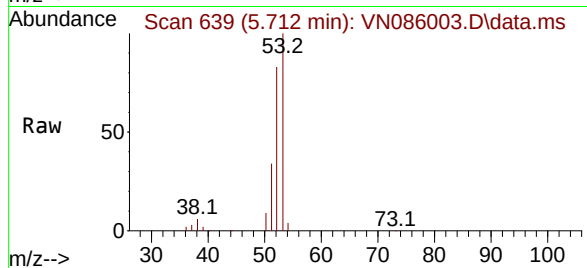
51 35.5 27.1 40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#16

Acetone

Concen: 237.056 ug/l

RT: 4.418 min Scan# 419

Delta R.T. -0.006 min

Lab File: VN086003.D

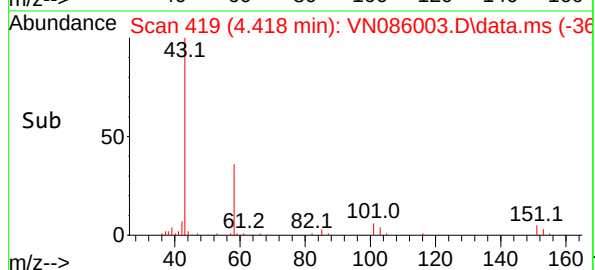
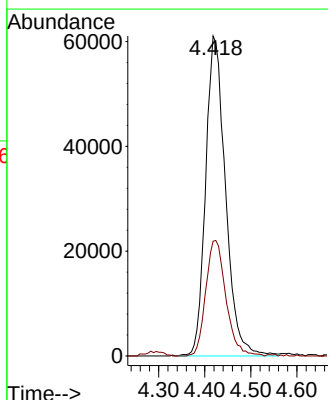
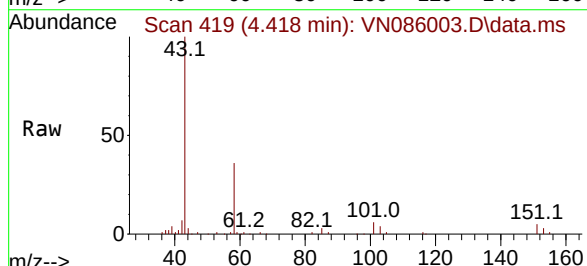
Acq: 18 Mar 2025 16:49

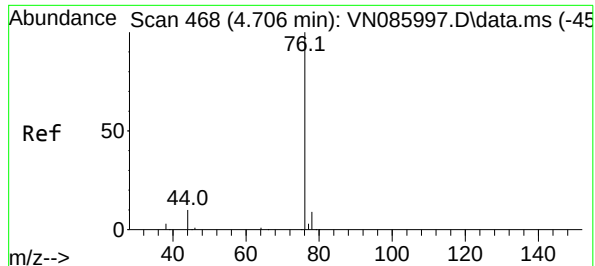
Tgt Ion: 43 Resp: 183647

Ion Ratio Lower Upper

43 100

58 35.8 29.4 44.2





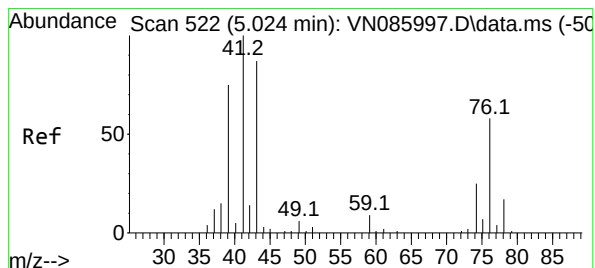
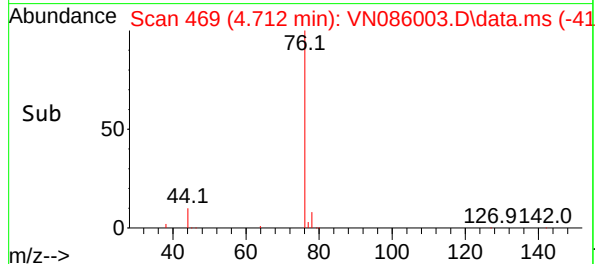
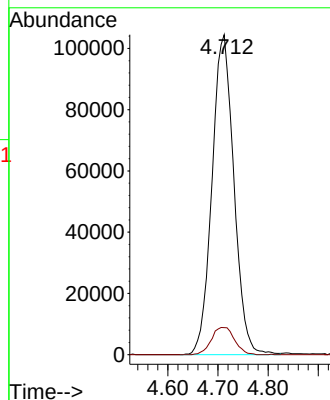
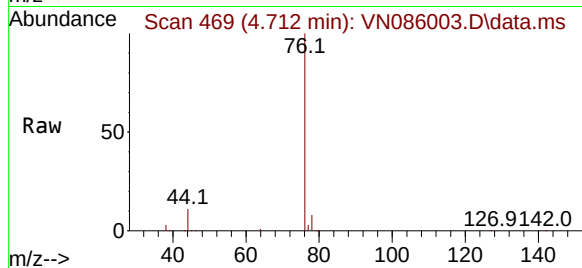
#17
Carbon Disulfide
Concen: 50.845 ug/l
RT: 4.712 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion: 76 Resp: 31723
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2

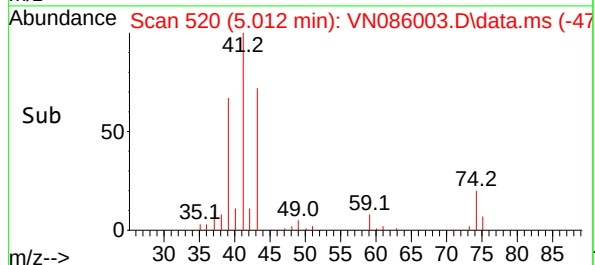
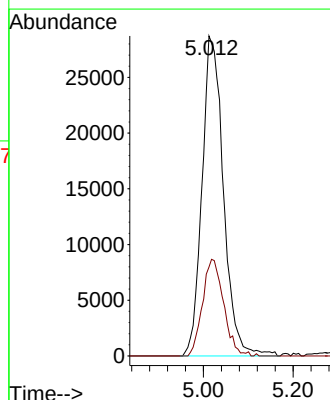
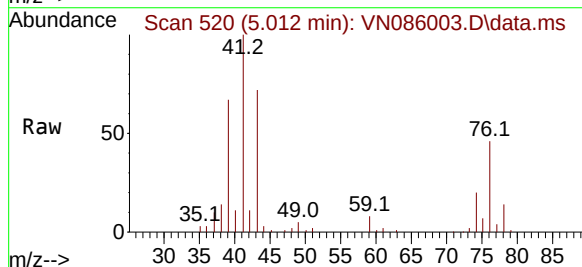
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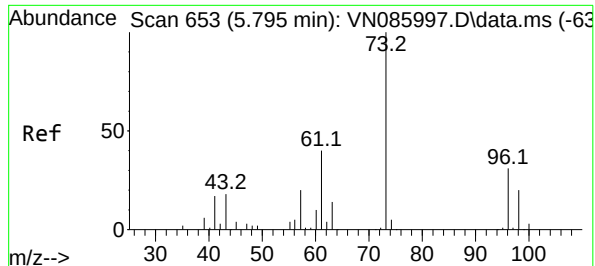
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#18
Methyl Acetate
Concen: 49.649 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 43 Resp: 95164
Ion Ratio Lower Upper
43 100
74 29.7 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 58.538 ug/l

RT: 5.789 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 73 Resp: 363920

Ion Ratio Lower Upper

73 100

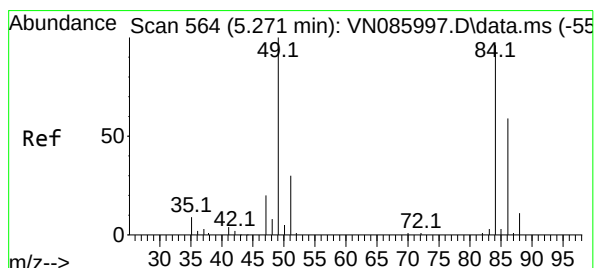
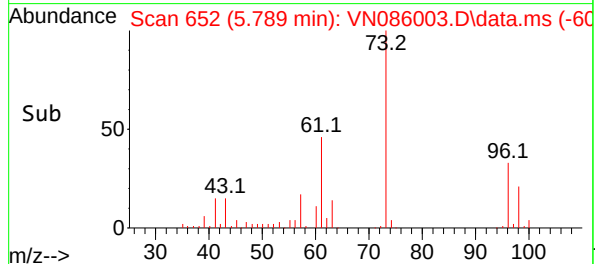
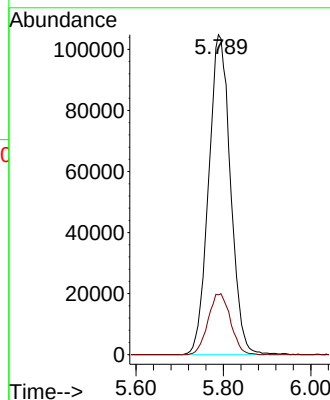
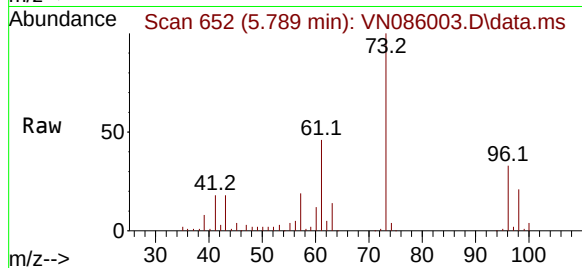
57 18.7 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 53.440 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion: 84 Resp: 121113

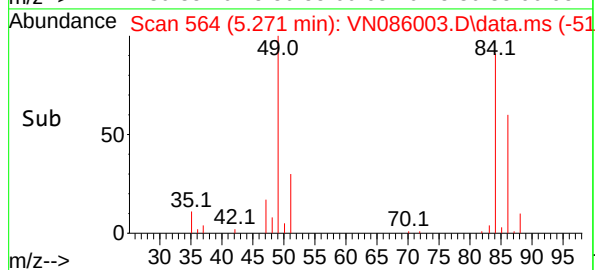
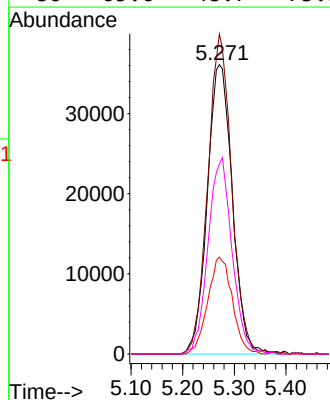
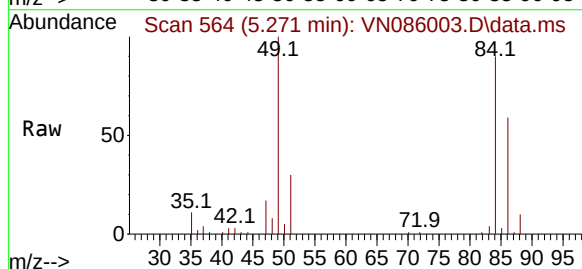
Ion Ratio Lower Upper

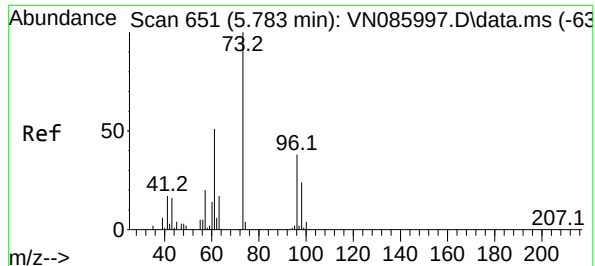
84 100

49 110.6 83.3 124.9

51 33.5 24.8 37.2

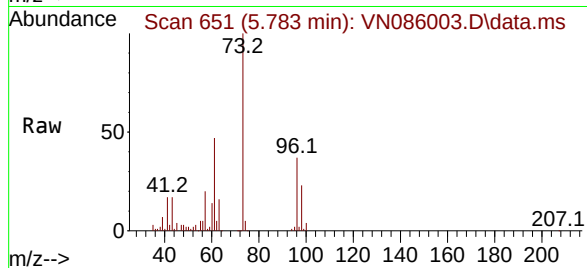
86 65.6 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 55.586 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

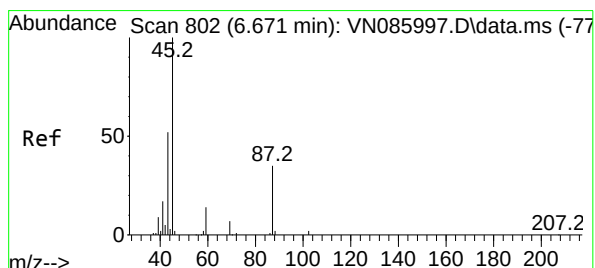
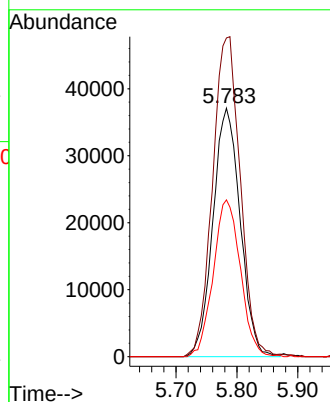
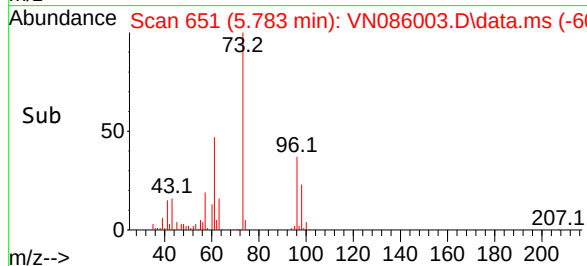
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 96 Resp: 11524
Ion Ratio Lower Upper
96 100
61 128.3 106.6 160.0
98 63.1 50.0 75.0

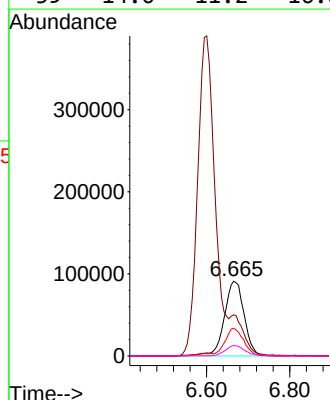
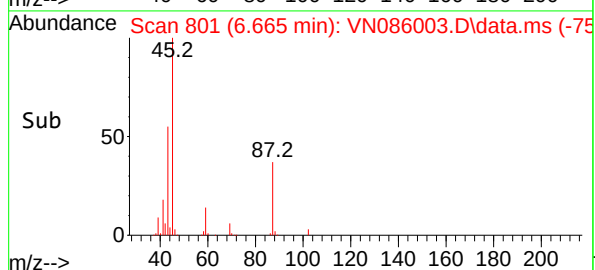
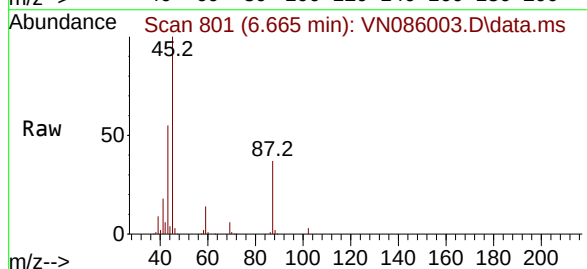
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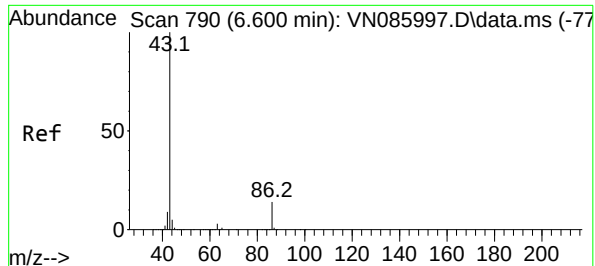
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 59.615 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 45 Resp: 300680
Ion Ratio Lower Upper
45 100
43 54.3 41.2 61.8
87 37.0 28.5 42.7
59 14.0 11.2 16.8





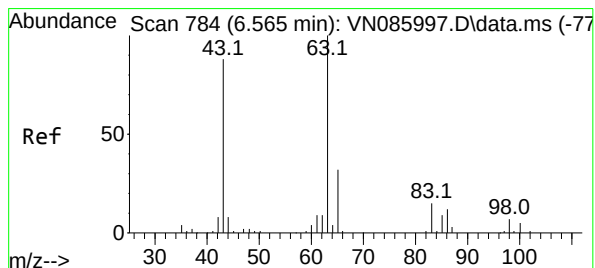
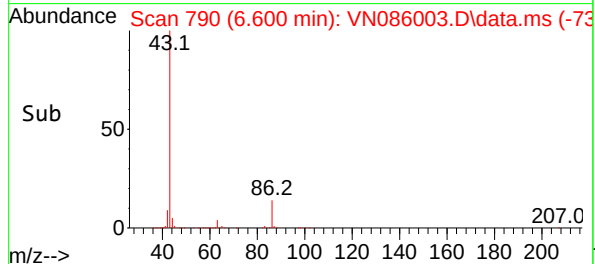
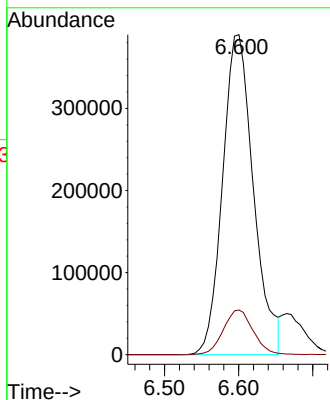
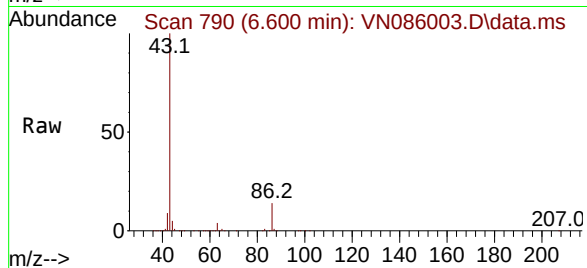
#23
Vinyl Acetate
Concen: 295.428 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion: 43 Resp: 1129550
Ion Ratio Lower Upper
43 100
86 14.0 11.2 16.8

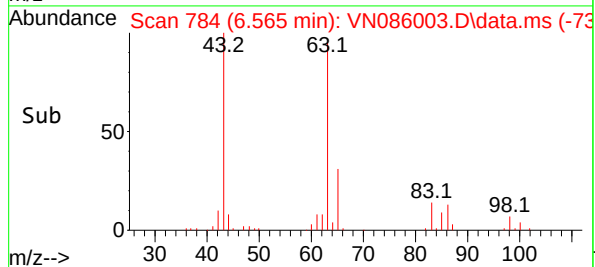
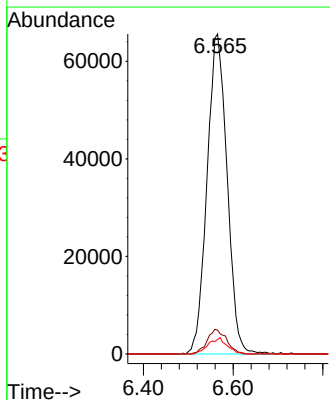
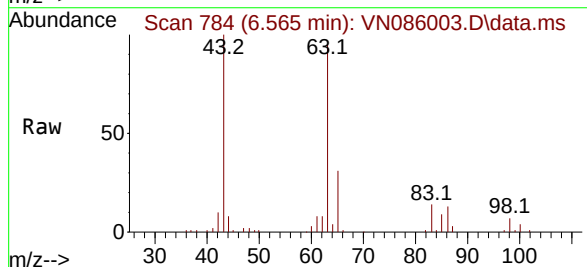
Manual Integrations
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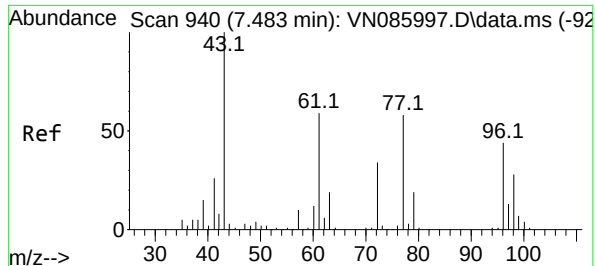
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 54.884 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 63 Resp: 203556
Ion Ratio Lower Upper
63 100
98 7.5 3.6 10.9
100 4.5 2.5 7.5





#25

2-Butanone

Concen: 253.710 ug/l

RT: 7.477 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 43 Resp: 283608

Ion Ratio Lower Upper

43 100

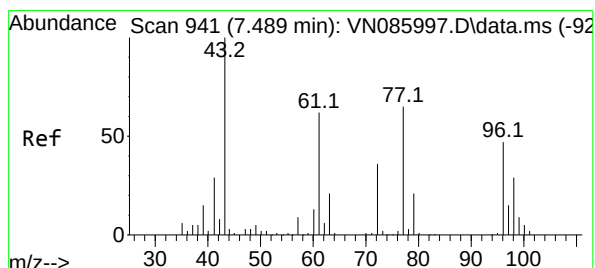
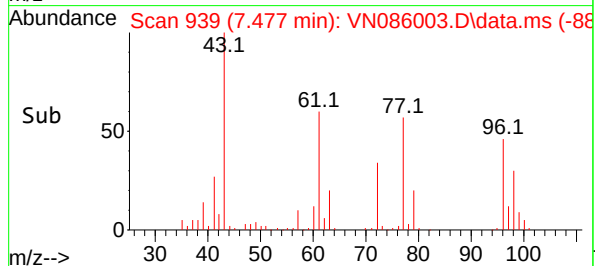
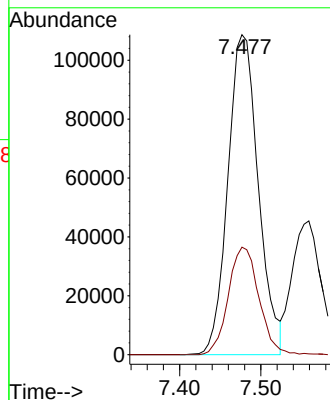
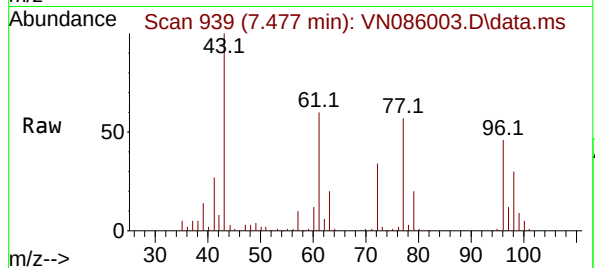
72 33.6 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 55.667 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN086003.D

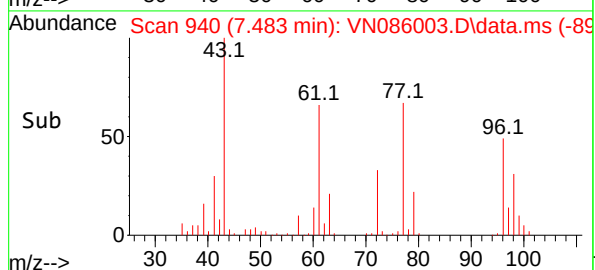
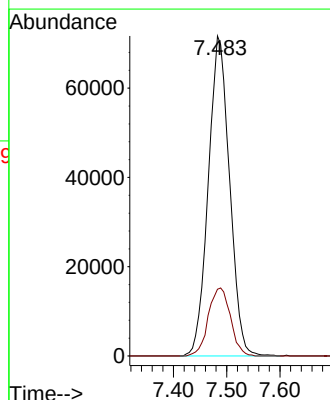
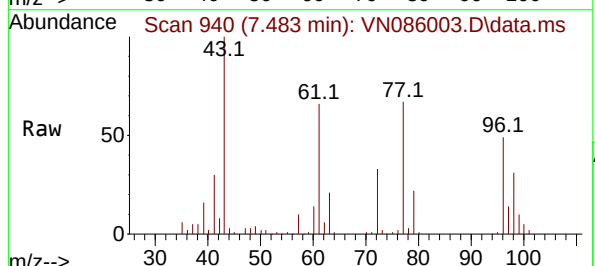
Acq: 18 Mar 2025 16:49

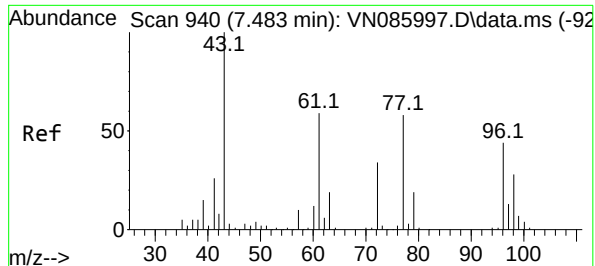
Tgt Ion: 77 Resp: 198771

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 57.158 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 96 Resp: 13466

Ion Ratio Lower Upper

96 100

61 138.1 0.0 272.8

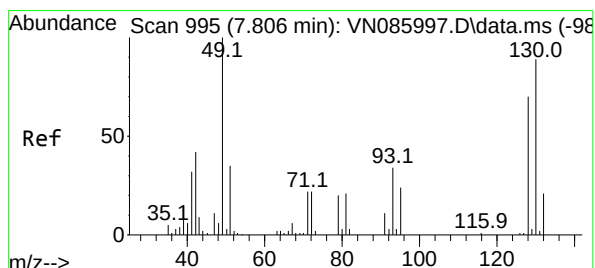
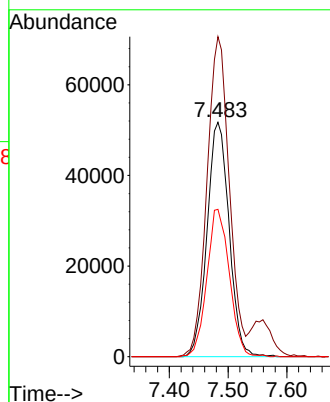
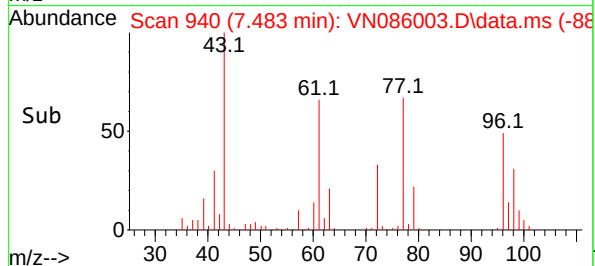
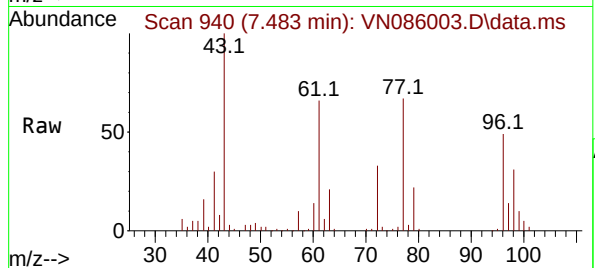
98 64.3 0.0 124.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 43.664 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

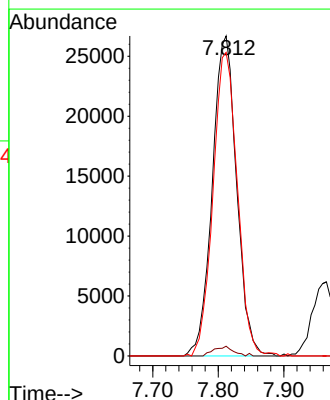
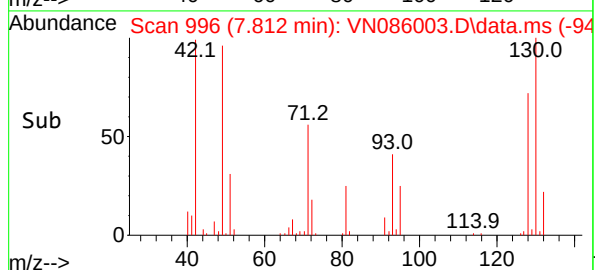
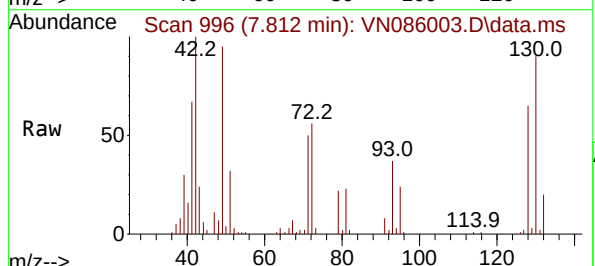
Tgt Ion: 49 Resp: 68612

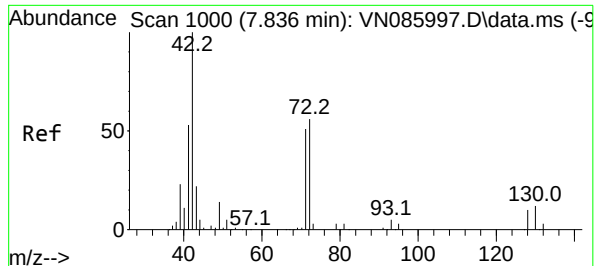
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

130 95.0 74.2 111.4





#29

Tetrahydrofuran

Concen: 269.263 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 42 Resp: 18582

Ion Ratio Lower Upper

42 100

72 57.2 45.0 67.4

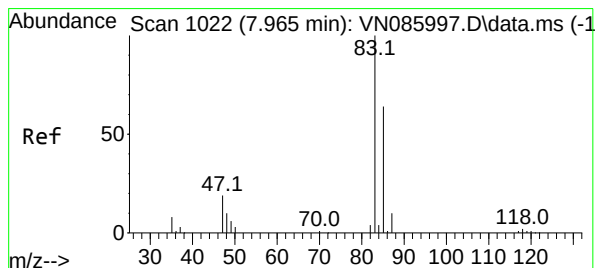
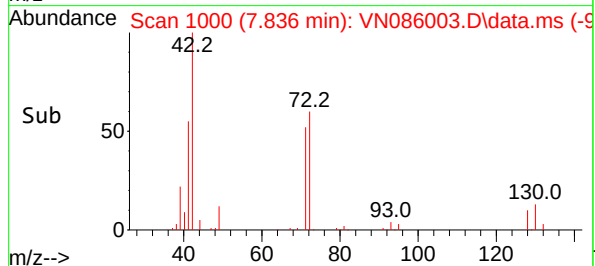
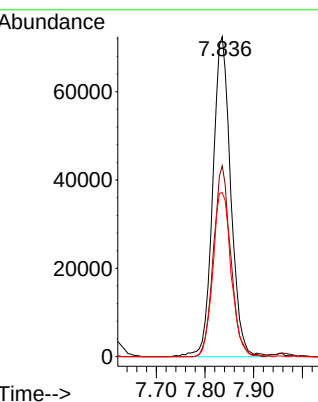
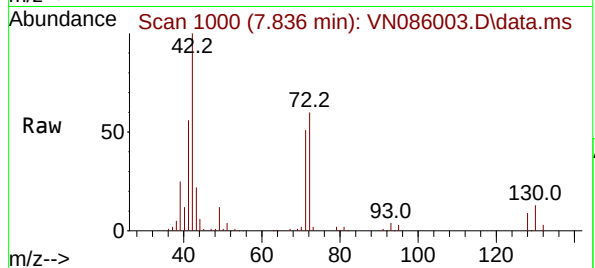
71 52.3 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 54.394 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086003.D

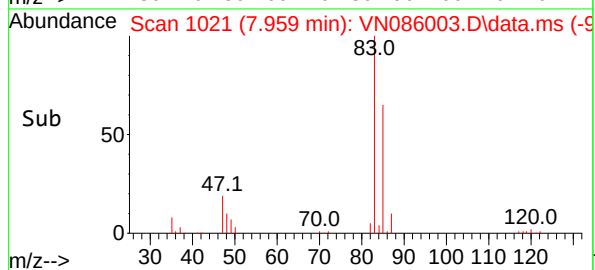
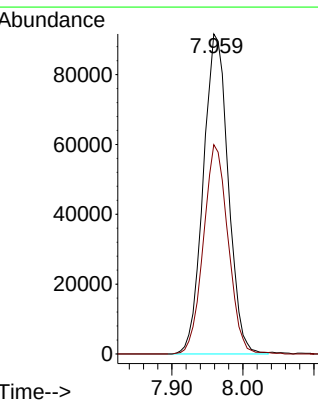
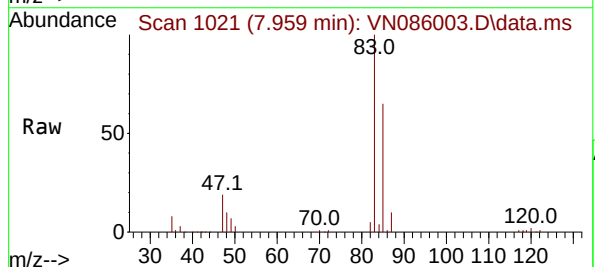
Acq: 18 Mar 2025 16:49

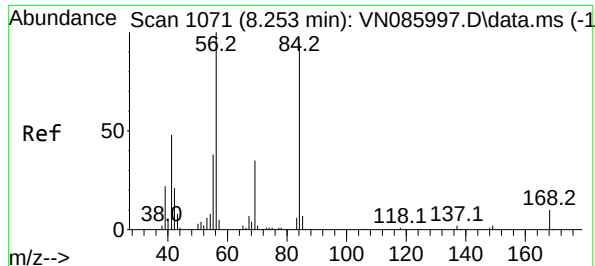
Tgt Ion: 83 Resp: 222991

Ion Ratio Lower Upper

83 100

85 65.4 51.5 77.3





#31

Cyclohexane

Concen: 54.721 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 56 Resp: 17289

Ion Ratio Lower Upper

56 100

69 32.4 28.0 42.0

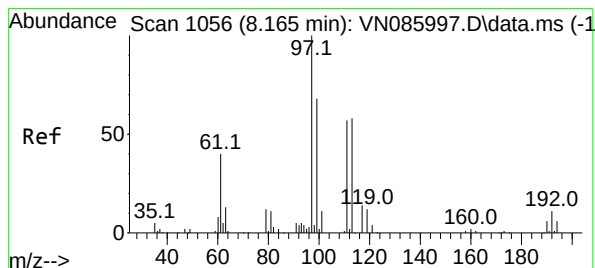
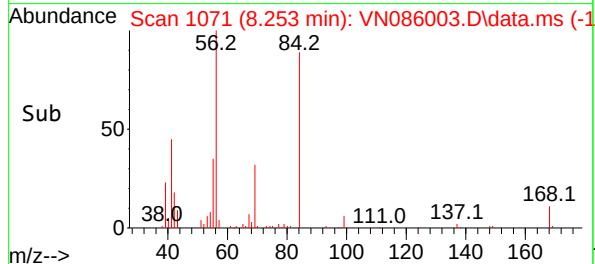
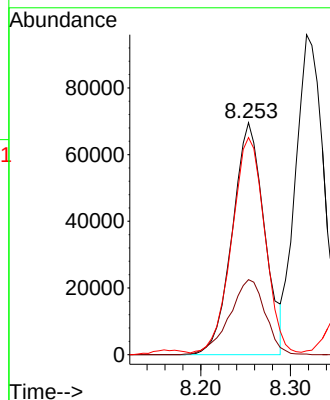
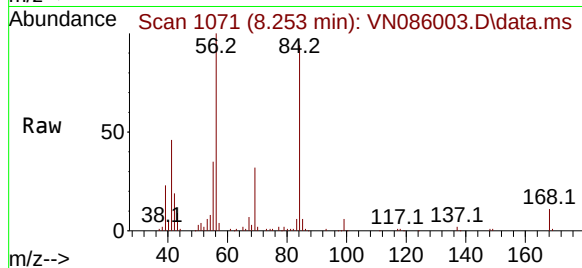
84 92.0 75.0 112.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#32

1,1,1-Trichloroethane

Concen: 55.539 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

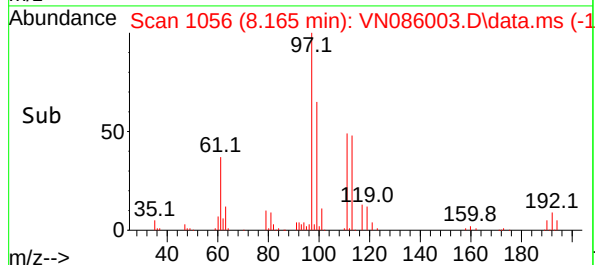
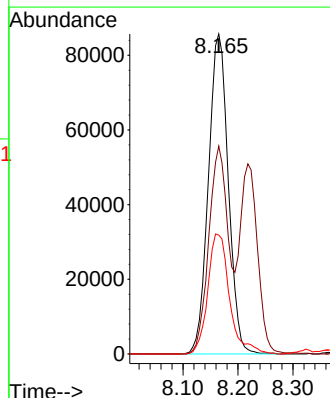
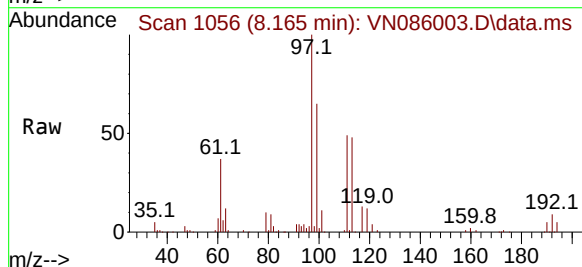
Tgt Ion: 97 Resp: 215524

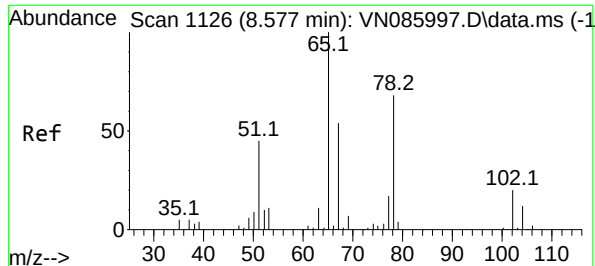
Ion Ratio Lower Upper

97 100

99 64.6 52.8 79.2

61 41.0 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 49.524 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 65 Resp: 12558

Ion Ratio Lower Upper

65 100

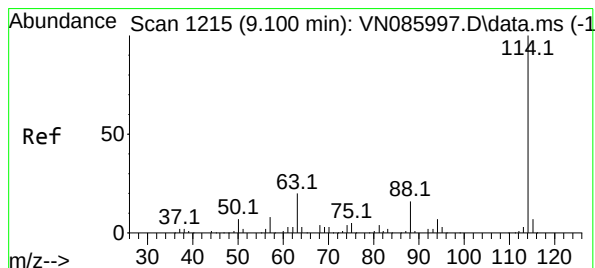
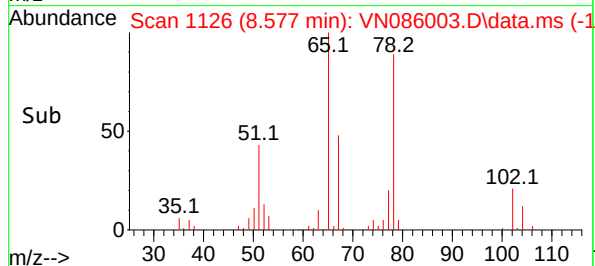
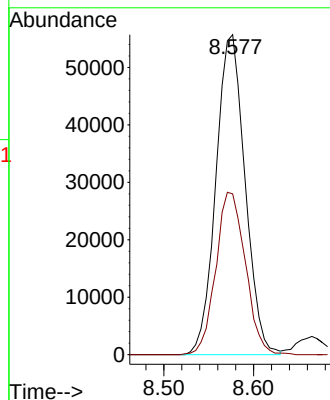
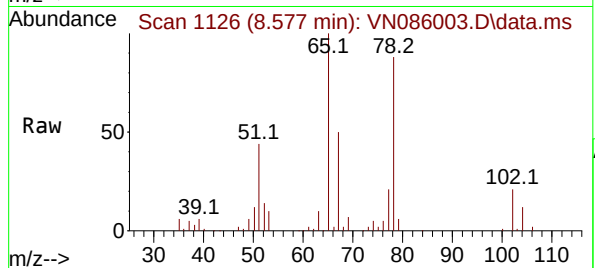
67 51.5 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

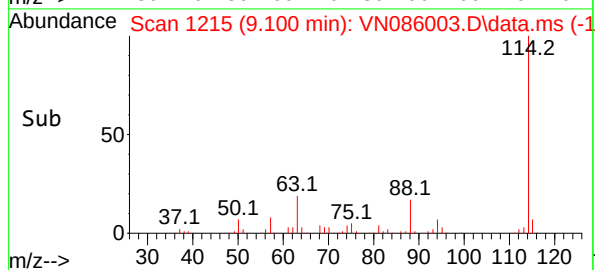
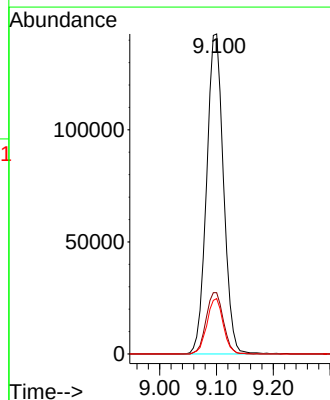
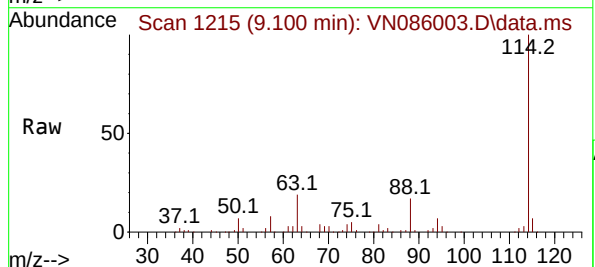
Tgt Ion:114 Resp: 294426

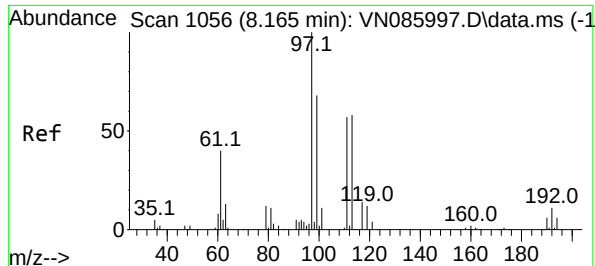
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 17.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.666 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion:113 Resp: 10001

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.8

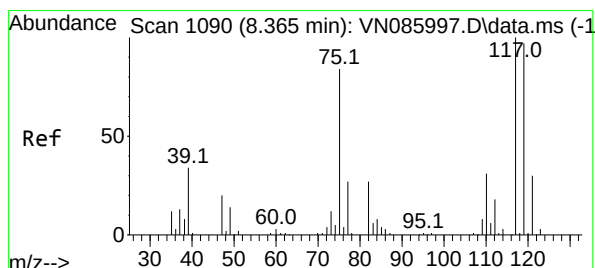
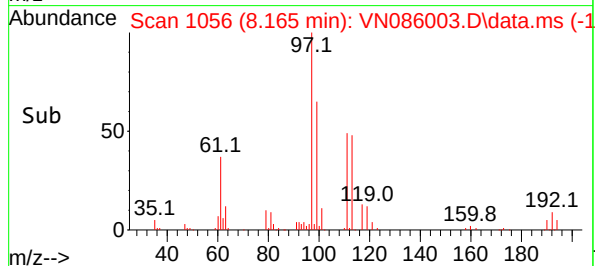
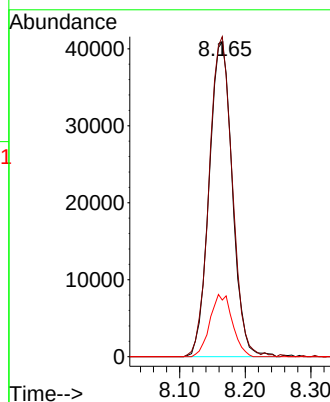
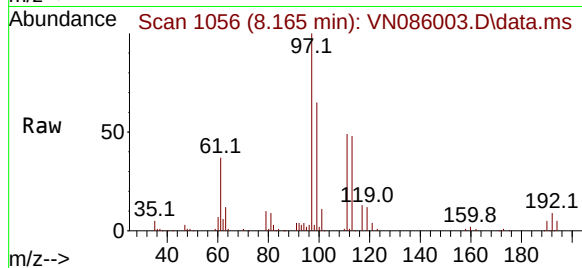
192 19.2 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#36

1,1-Dichloropropene

Concen: 57.540 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

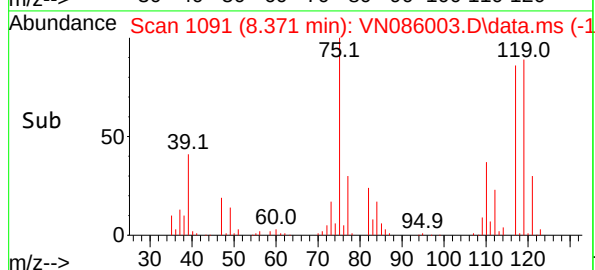
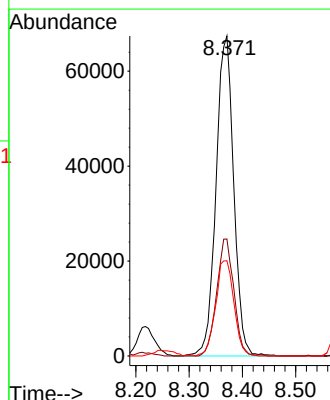
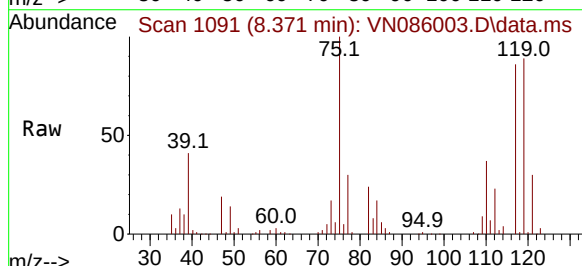
Tgt Ion: 75 Resp: 155704

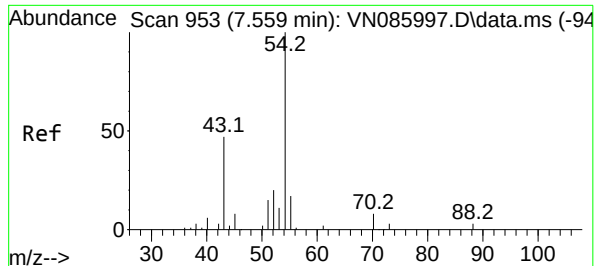
Ion Ratio Lower Upper

75 100

110 35.5 17.8 53.3

77 30.9 25.0 37.4





#37

Ethyl Acetate

Concen: 50.756 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 43 Resp: 11587

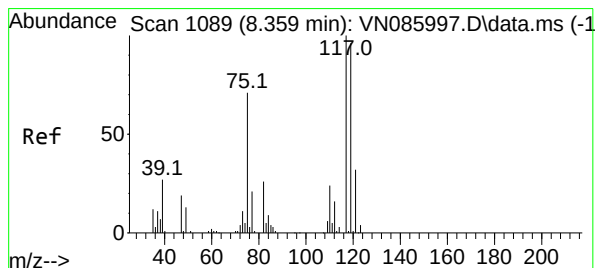
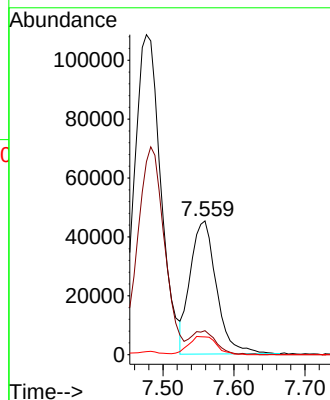
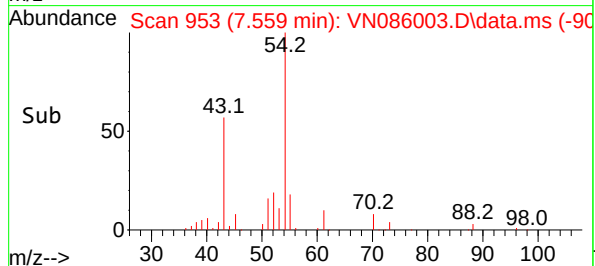
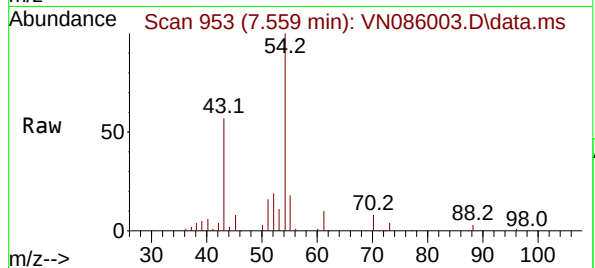
Ion	Ratio	Lower	Upper
43	100		
61	17.7	13.0	19.4
70	14.5	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#38

Carbon Tetrachloride

Concen: 56.517 ug/l

RT: 8.359 min Scan# 1089

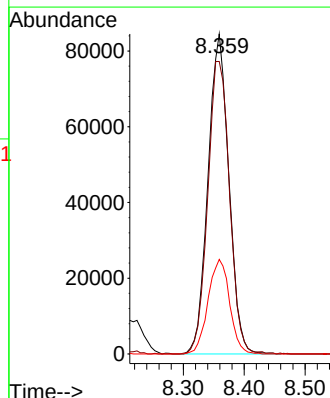
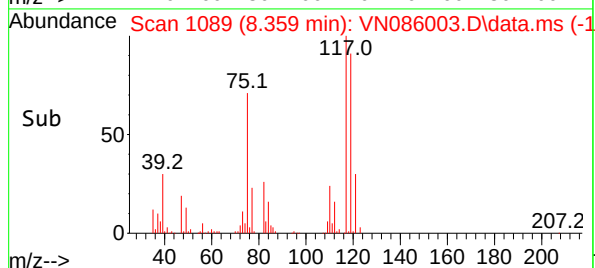
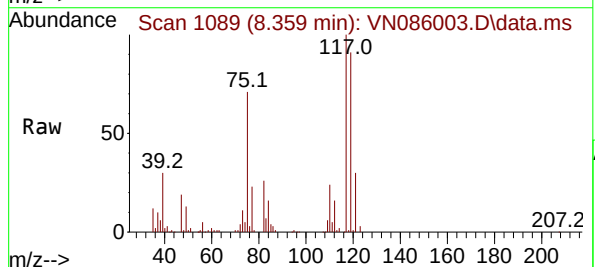
Delta R.T. -0.000 min

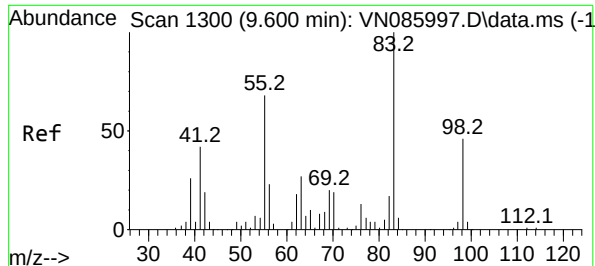
Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion:117 Resp: 201085

Ion	Ratio	Lower	Upper
117	100		
119	91.4	77.0	115.4
121	29.5	25.6	38.4





#39

Methylcyclohexane

Concen: 60.818 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 83 Resp: 163279

Ion Ratio Lower Upper

83 100

55 68.3 54.2 81.2

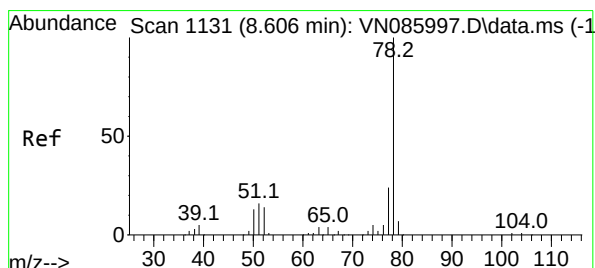
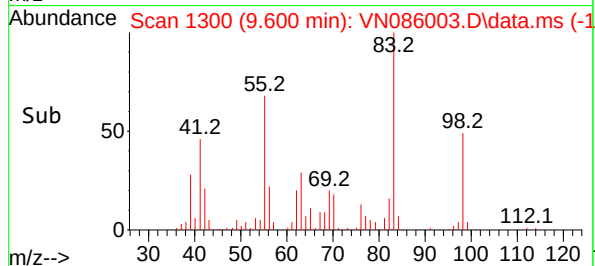
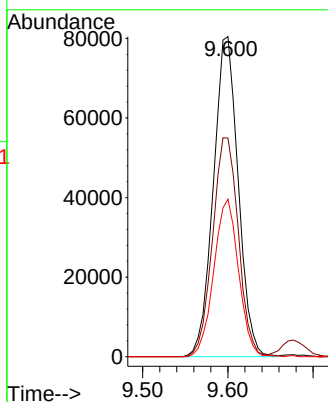
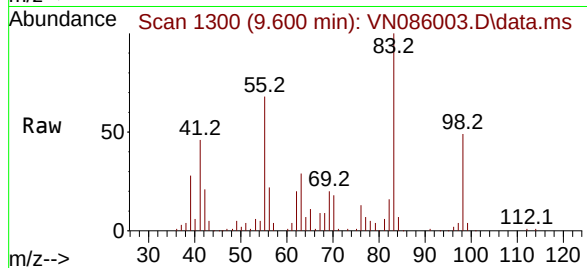
98 49.3 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 56.869 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086003.D

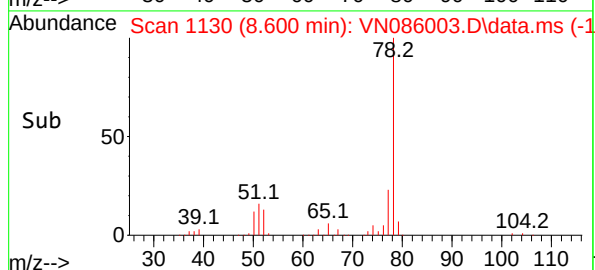
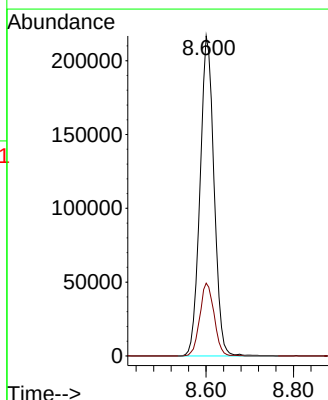
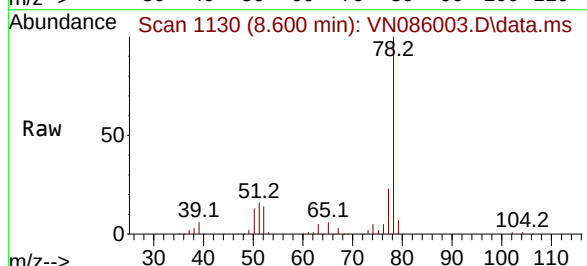
Acq: 18 Mar 2025 16:49

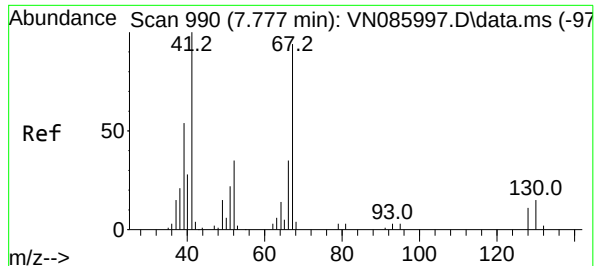
Tgt Ion: 78 Resp: 483089

Ion Ratio Lower Upper

78 100

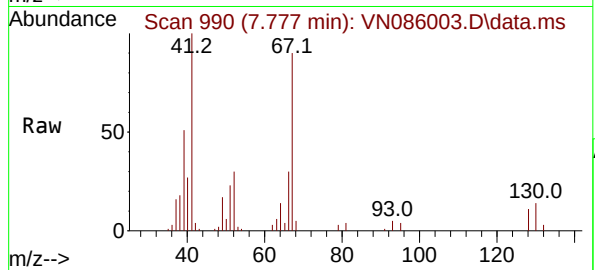
77 22.7 18.9 28.3





#41
Methacrylonitrile
Concen: 58.457 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

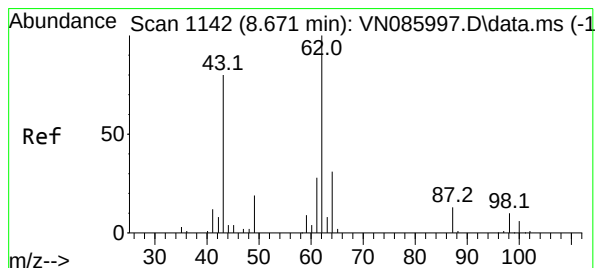
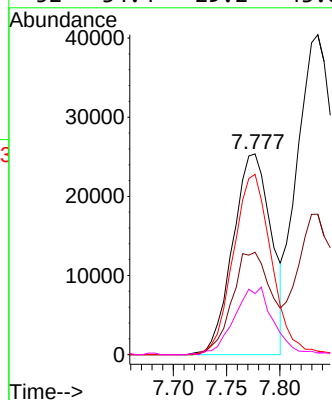
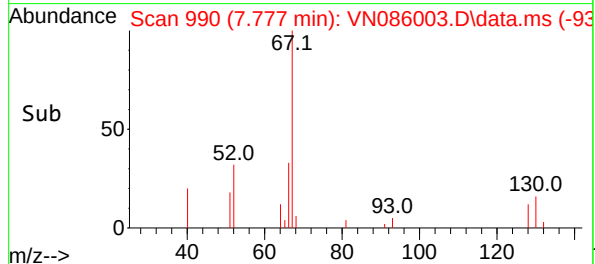
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 41 Resp: 63723
Ion Ratio Lower Upper
41 100
39 51.7 46.2 69.2
67 89.4 75.9 113.9
52 34.4 29.2 43.8

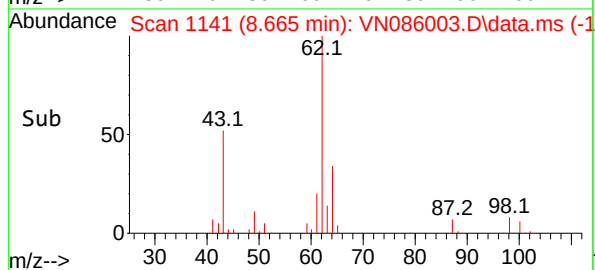
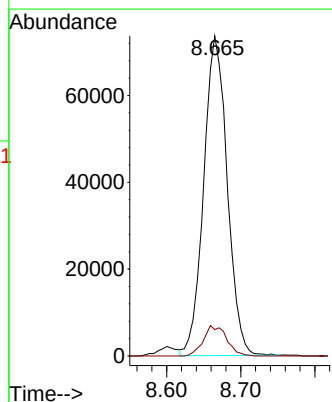
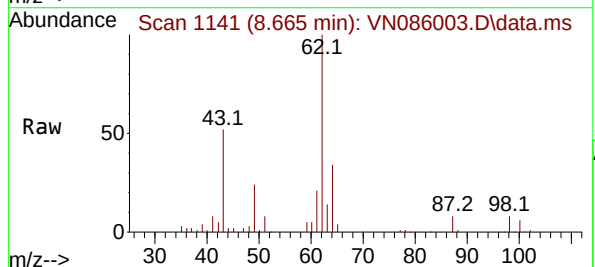
Manual Integrations
APPROVED

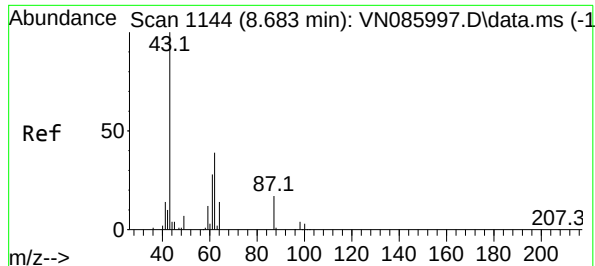
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#42
1,2-Dichloroethane
Concen: 54.822 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 62 Resp: 162271
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.6





#43

Isopropyl Acetate

Concen: 41.226 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

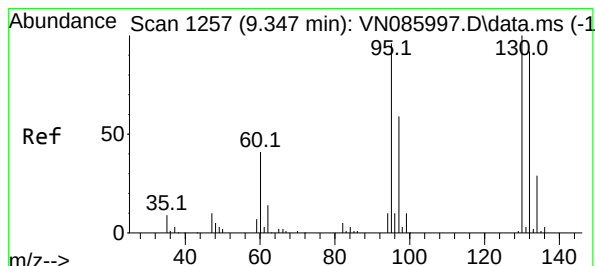
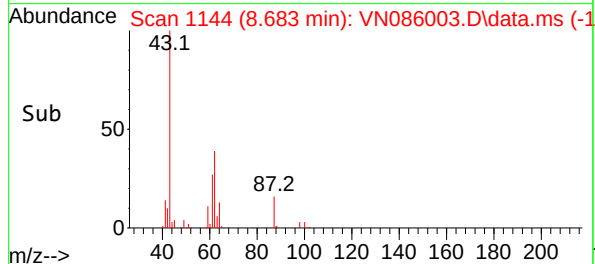
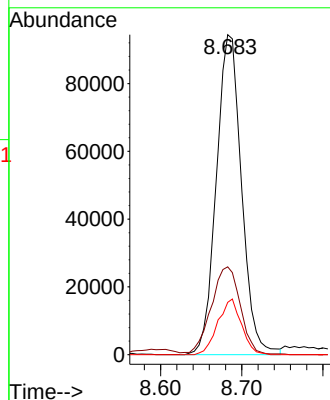
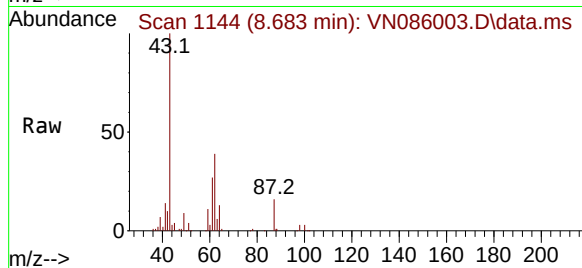
Tgt Ion:	43	Resp:	20394
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.0	37.6
87	16.3	13.0	19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 53.255 ug/l

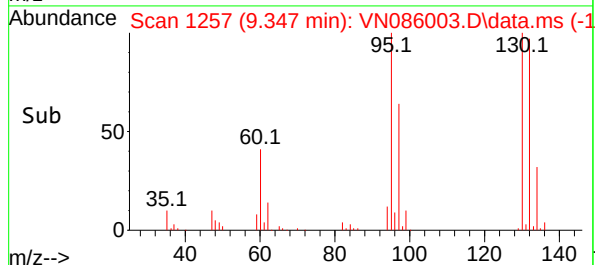
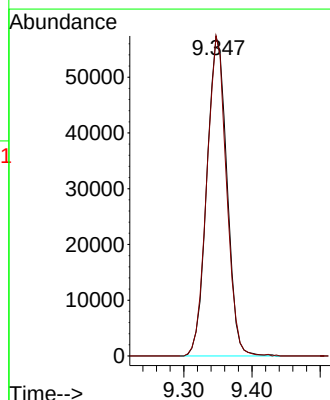
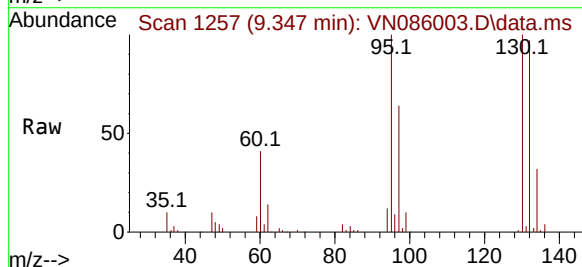
RT: 9.347 min Scan# 1257

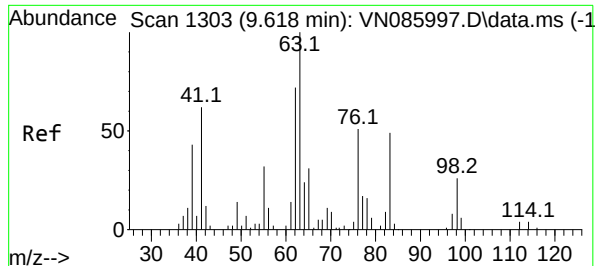
Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion:	130	Resp:	117248
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	191.6





#45

1,2-Dichloropropane

Concen: 57.740 ug/l

RT: 9.618 min Scan# 111560

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 63 Resp: 111560

Ion Ratio Lower Upper

63 100

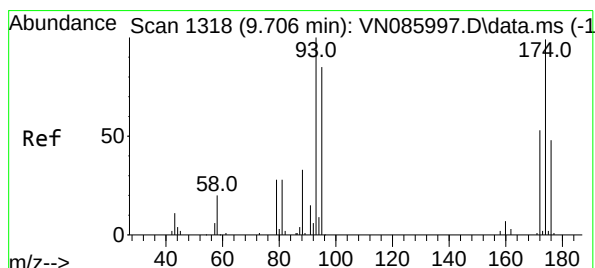
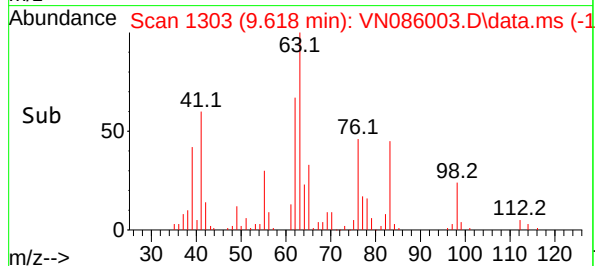
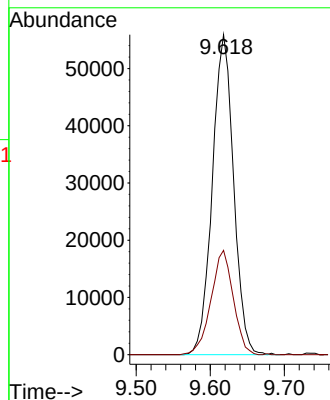
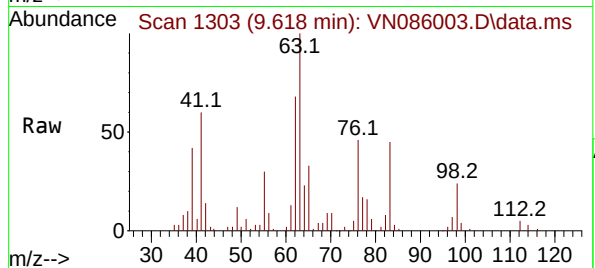
65 32.6 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 56.012 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

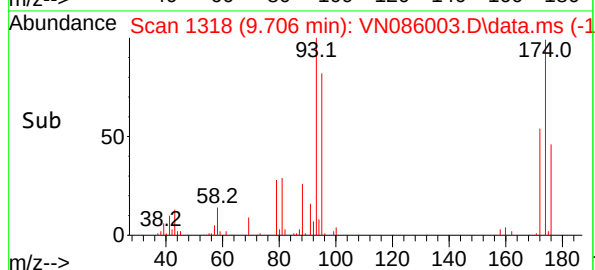
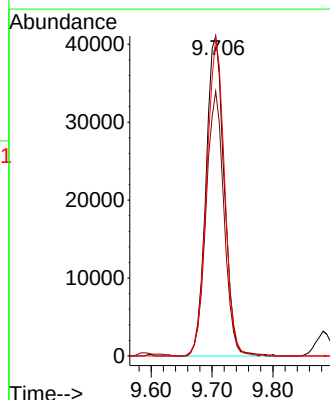
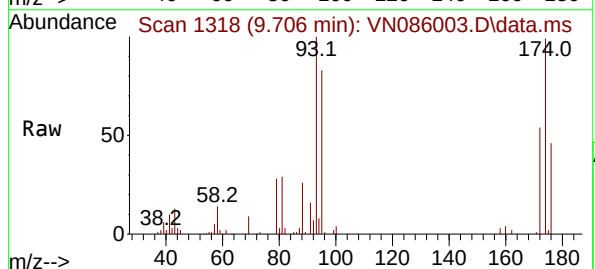
Tgt Ion: 93 Resp: 85108

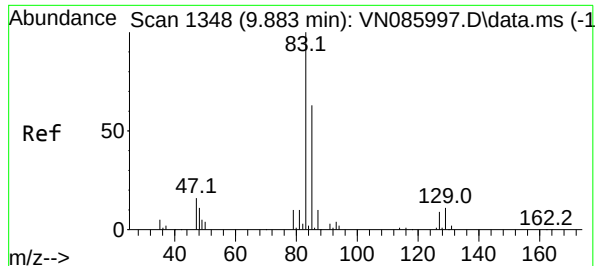
Ion Ratio Lower Upper

93 100

95 81.6 66.2 99.2

174 97.3 80.1 120.1





#47

Bromodichloromethane

Concen: 55.753 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 83 Resp: 17705

Ion Ratio Lower Upper

83 100

85 67.0 50.2 75.2

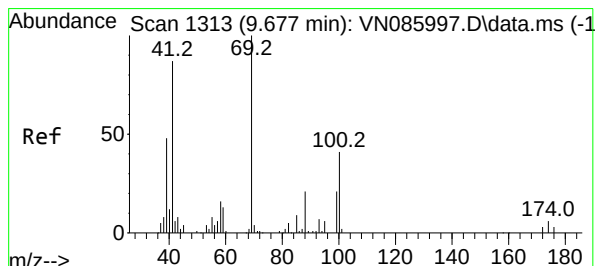
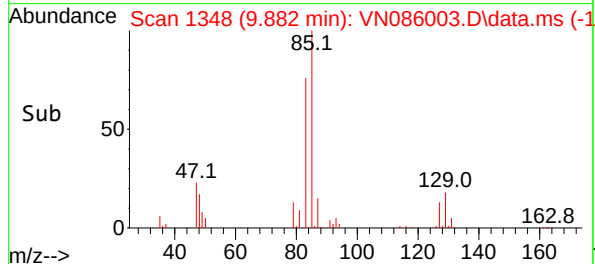
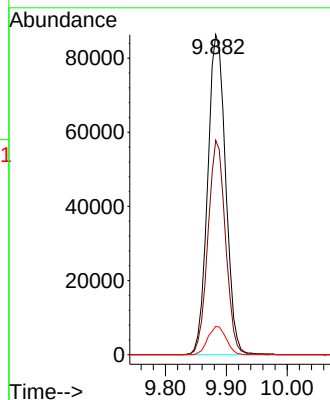
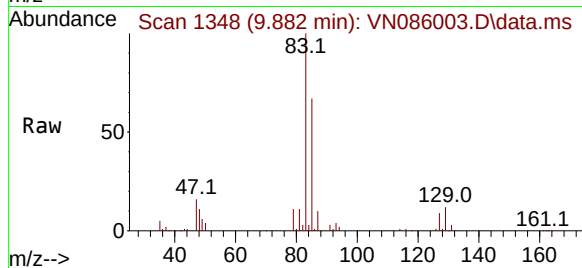
127 8.9 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#48

Methyl methacrylate

Concen: 57.751 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

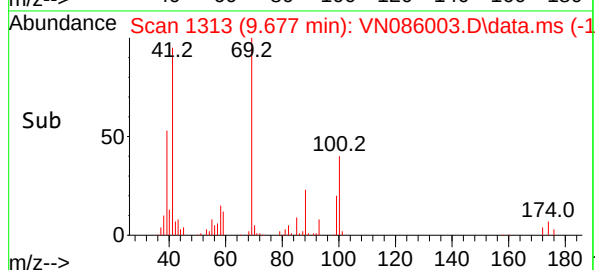
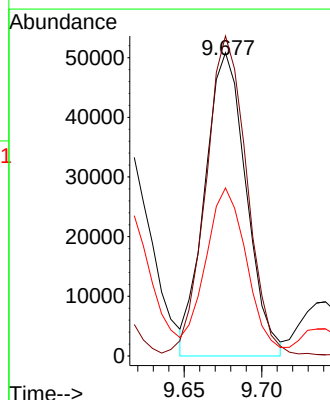
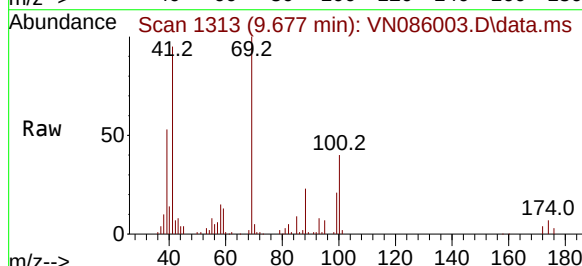
Tgt Ion: 41 Resp: 94275

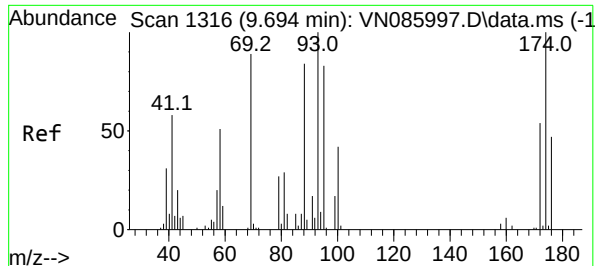
Ion Ratio Lower Upper

41 100

69 105.3 83.1 124.7

39 55.7 45.6 68.4





#49

1,4-Dioxane

Concen: 1057.815 ug/l

RT: 9.688 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 88 Resp: 4082

Ion Ratio Lower Upper

88 100

43 25.1 21.7 32.5

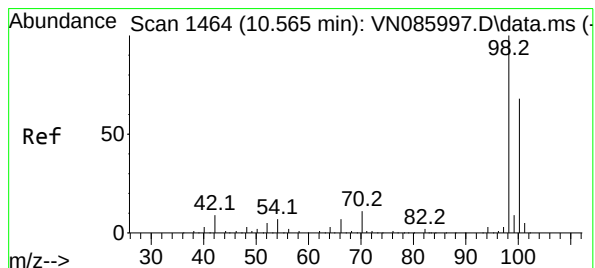
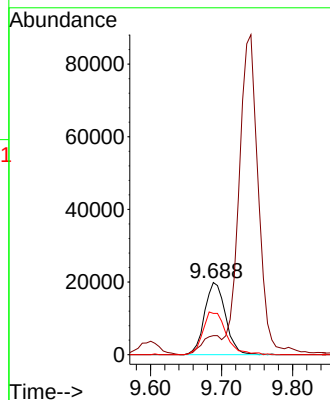
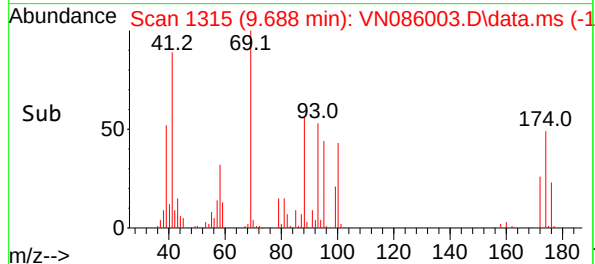
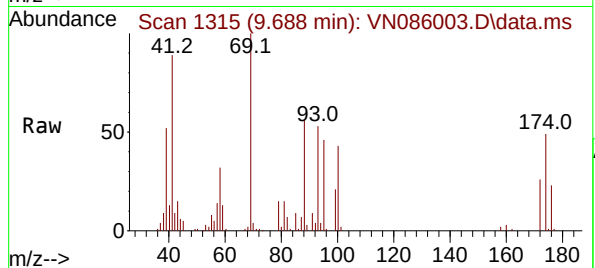
58 65.5 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 51.736 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086003.D

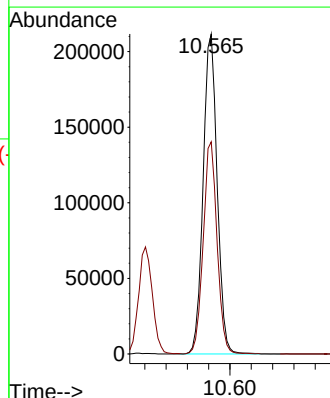
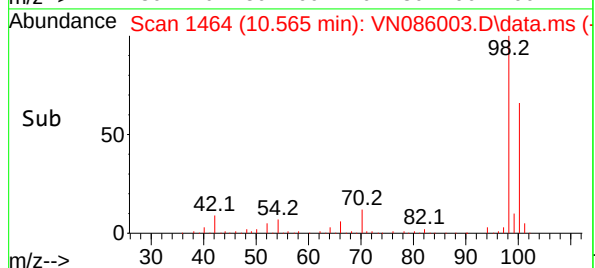
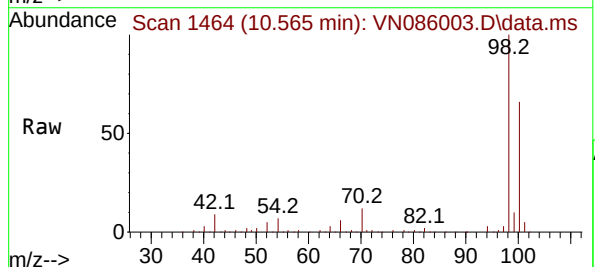
Acq: 18 Mar 2025 16:49

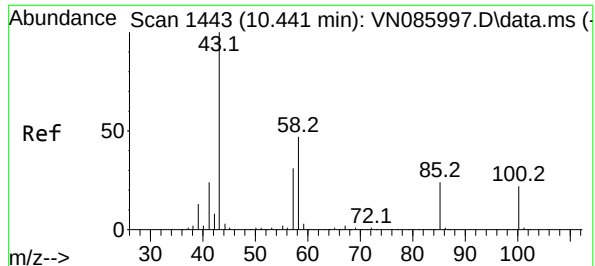
Tgt Ion: 98 Resp: 385868

Ion Ratio Lower Upper

98 100

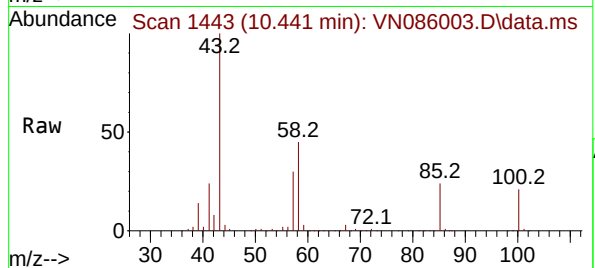
100 65.6 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 278.467 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

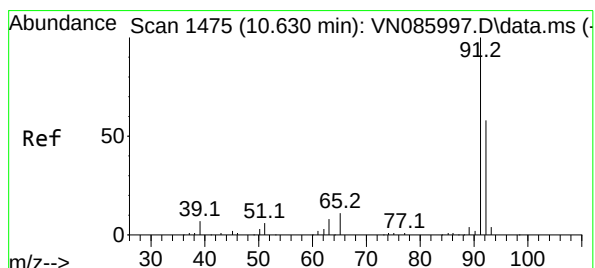
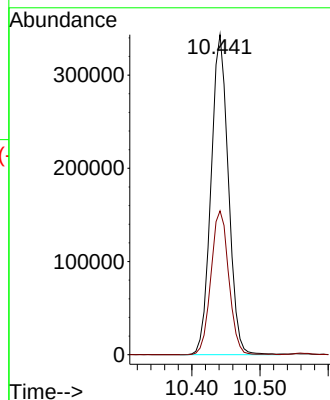
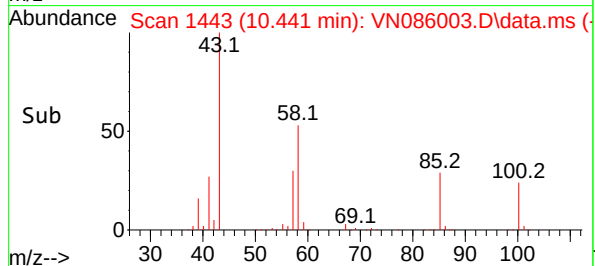
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 43 Resp: 60753
Ion Ratio Lower Upper
43 100
58 46.2 37.4 56.0

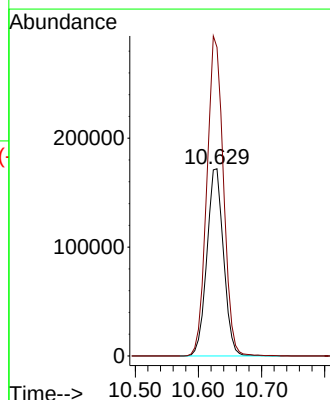
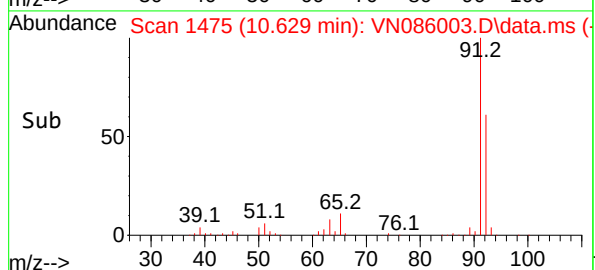
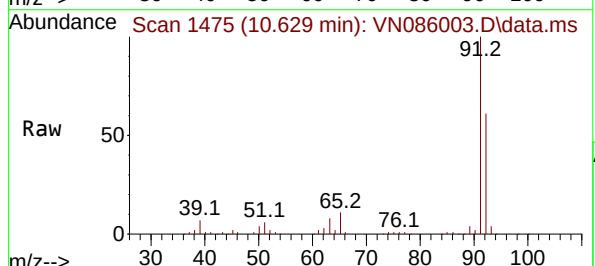
Manual Integrations
APPROVED

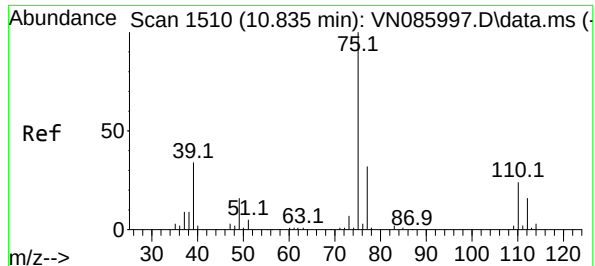
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 60.348 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

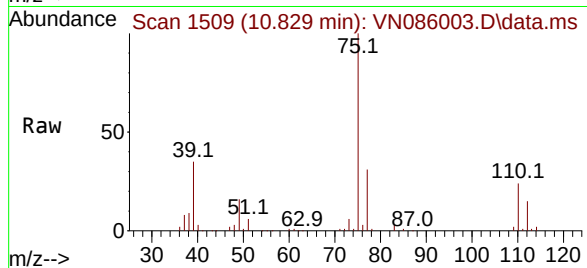
Tgt Ion: 92 Resp: 314632
Ion Ratio Lower Upper
92 100
91 169.9 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 59.689 ug/l
RT: 10.829 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

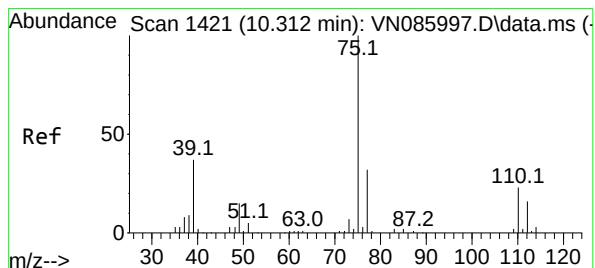
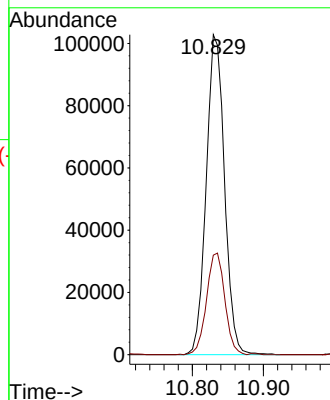
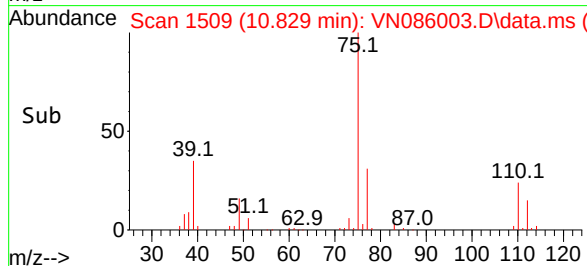
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 75 Resp: 184084
Ion Ratio Lower Upper
75 100
77 31.1 25.3 37.9

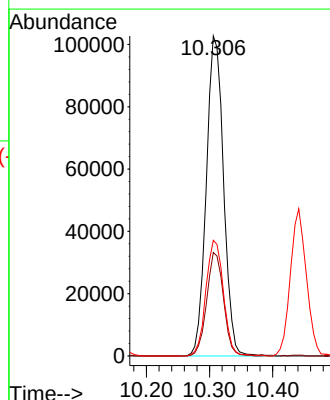
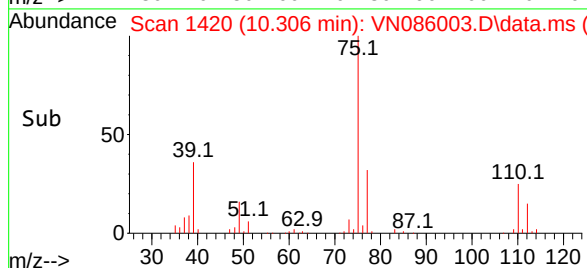
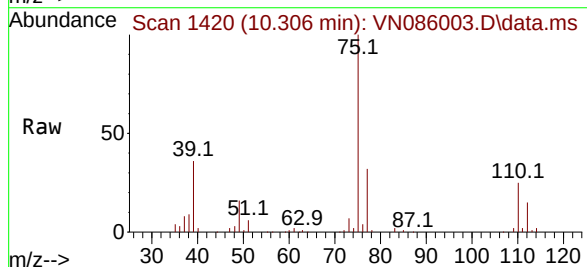
Manual Integrations
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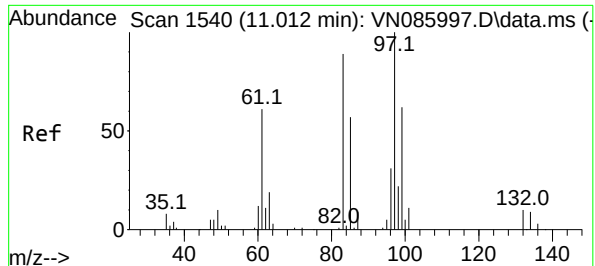
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 59.921 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 75 Resp: 194976
Ion Ratio Lower Upper
75 100
77 32.3 25.3 37.9
39 36.2 29.6 44.4





#55

1,1,2-Trichloroethane

Concen: 56.064 ug/l

RT: 11.012 min Scan# 1156

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 97 Resp: 11156

Ion Ratio Lower Upper

97 100

83 83.8 71.2 106.8

85 54.4 45.4 68.0

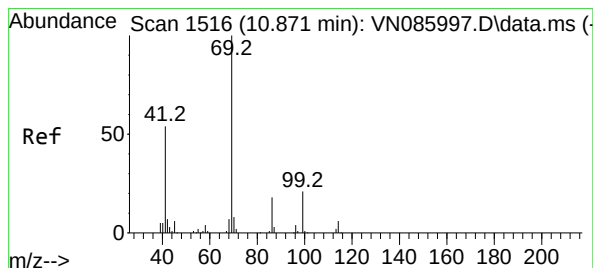
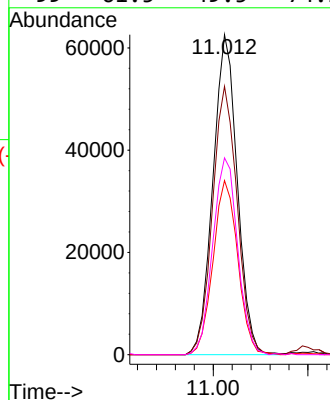
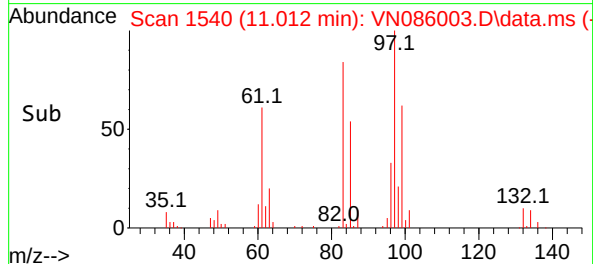
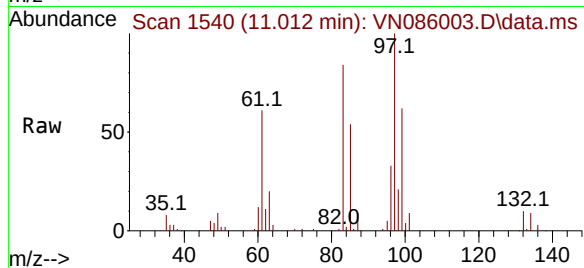
99 61.5 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#56

Ethyl methacrylate

Concen: 55.208 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

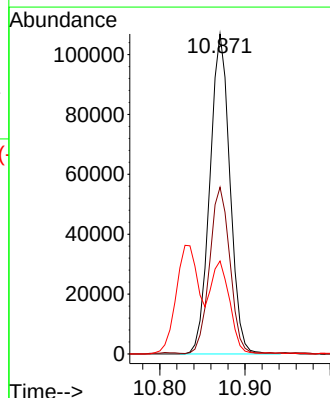
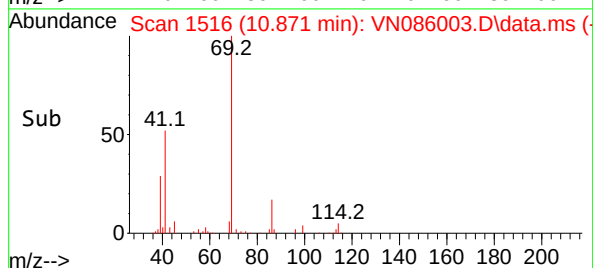
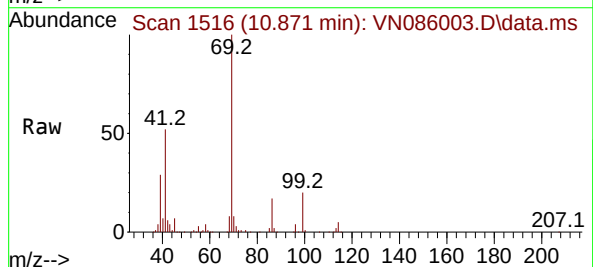
Tgt Ion: 69 Resp: 174971

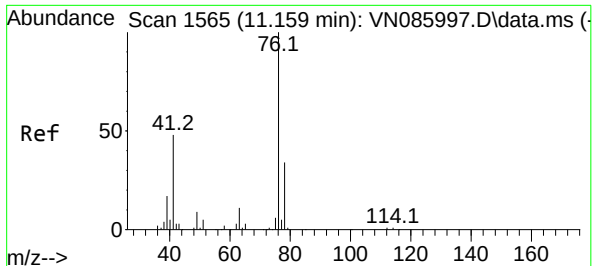
Ion Ratio Lower Upper

69 100

41 52.3 41.6 62.4

39 26.9 21.8 32.8





#57

1,3-Dichloropropane

Concen: 57.684 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVFN031825

Tgt Ion: 76 Resp: 194964

Ion Ratio Lower Upper

76 100

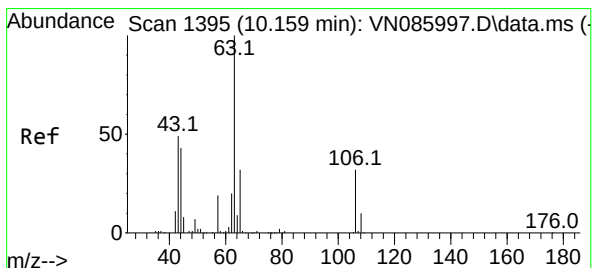
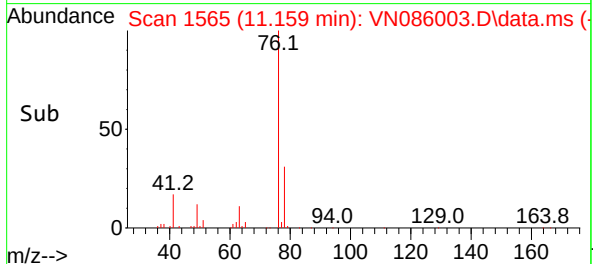
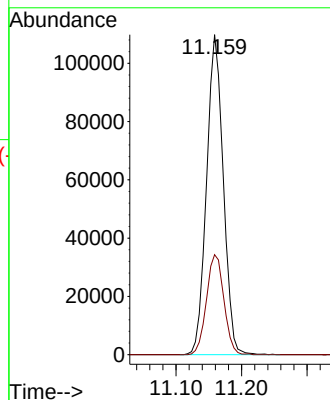
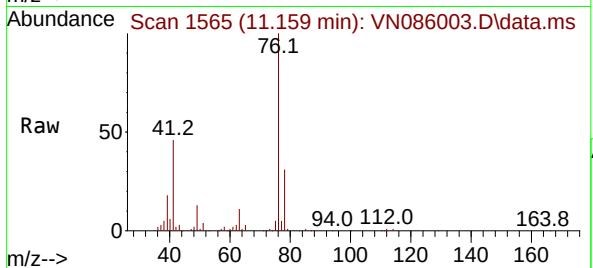
78 32.5 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 306.978 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN086003.D

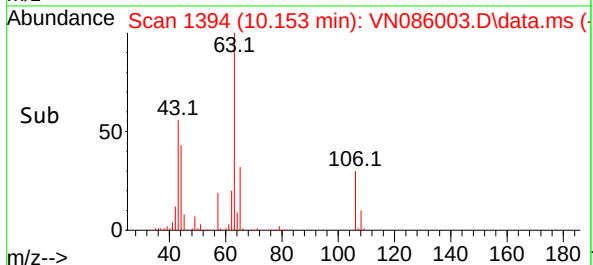
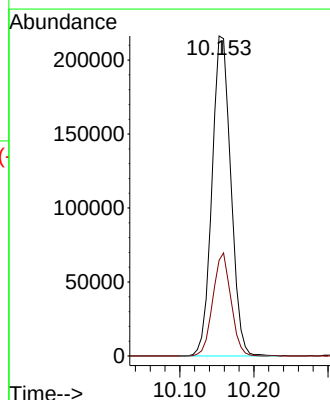
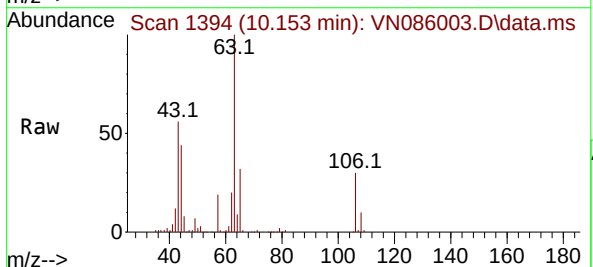
Acq: 18 Mar 2025 16:49

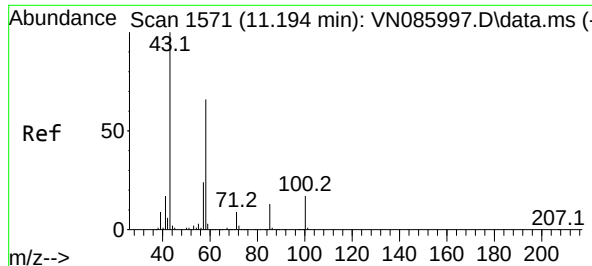
Tgt Ion: 63 Resp: 382073

Ion Ratio Lower Upper

63 100

106 30.9 25.0 37.6





#59

2-Hexanone

Concen: 282.228 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 43 Resp: 448560

Ion Ratio Lower Upper

43 100

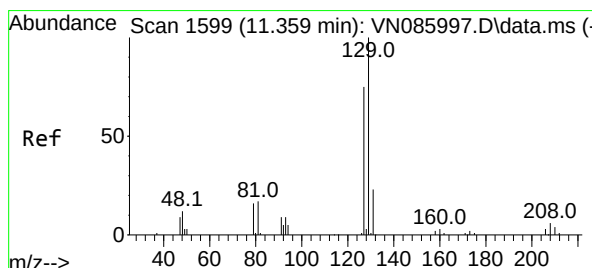
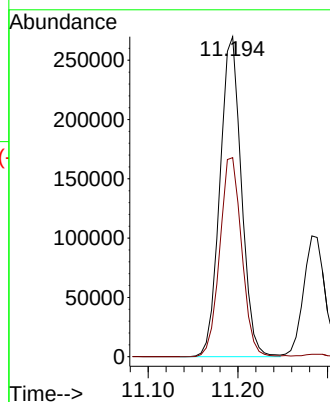
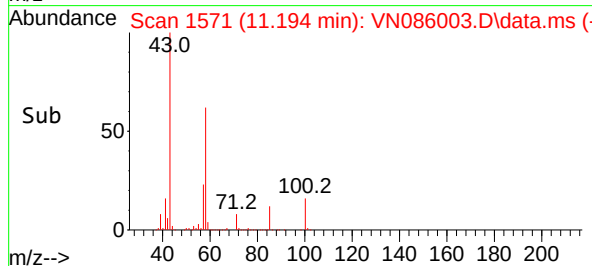
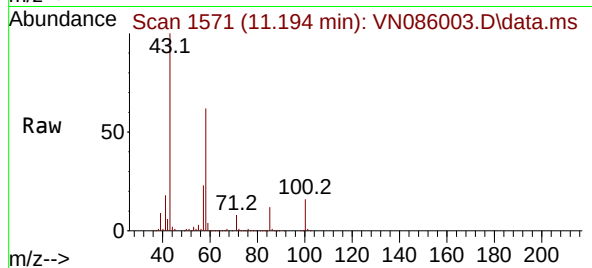
58 63.5 32.4 97.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#60

Dibromochloromethane

Concen: 57.477 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. -0.006 min

Lab File: VN086003.D

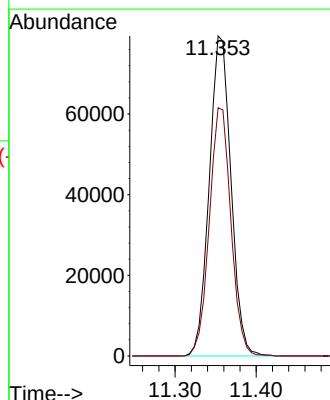
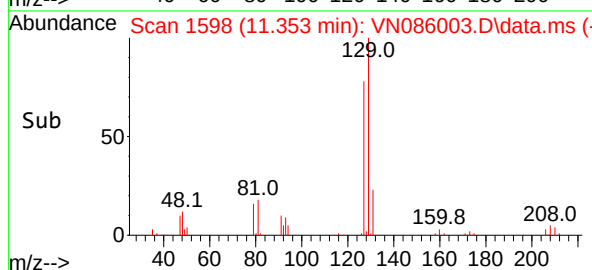
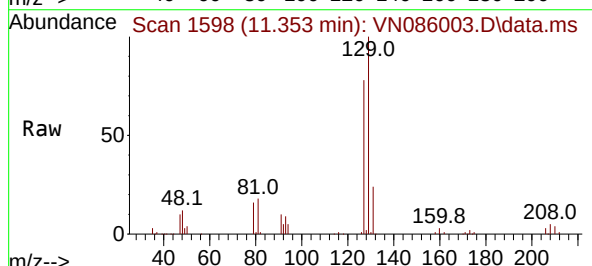
Acq: 18 Mar 2025 16:49

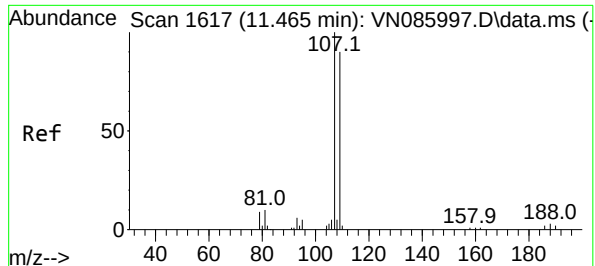
Tgt Ion:129 Resp: 147588

Ion Ratio Lower Upper

129 100

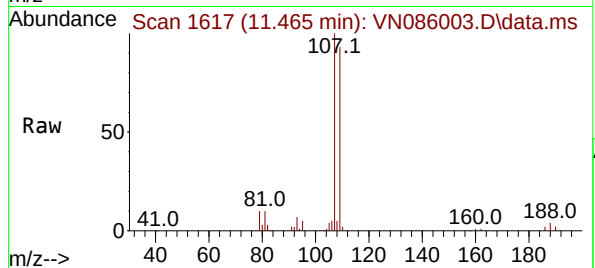
127 77.0 37.8 113.4





#61
1,2-Dibromoethane
Concen: 57.545 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

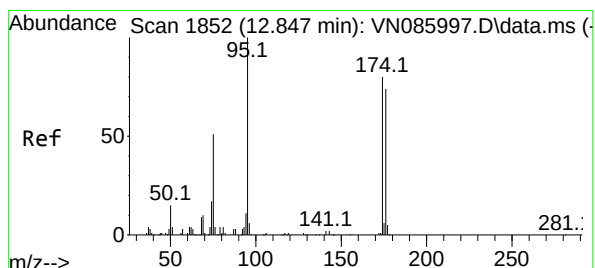
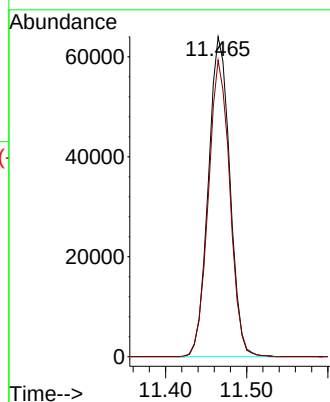
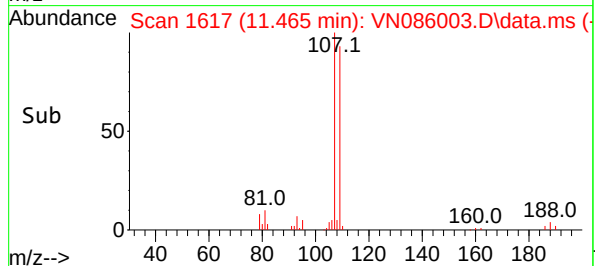
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion:107 Resp: 117559
Ion Ratio Lower Upper
107 100
109 92.7 73.3 109.9

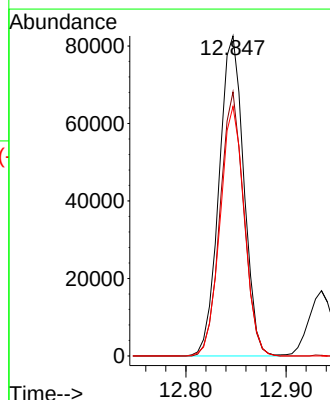
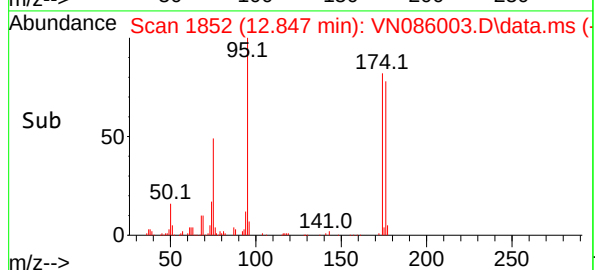
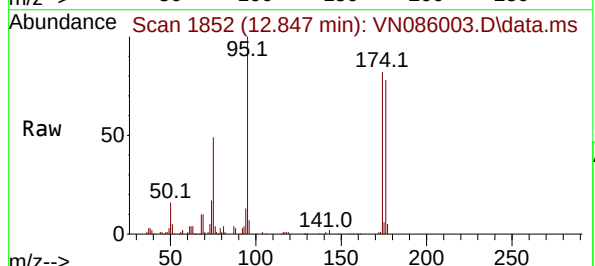
Manual Integrations
APPROVED

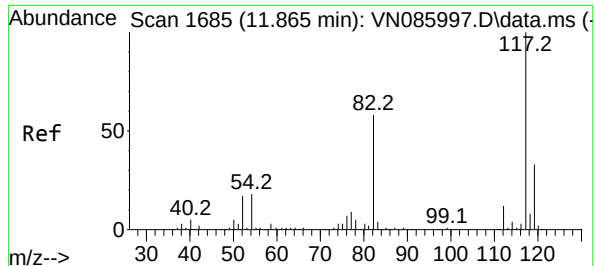
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 53.231 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 95 Resp: 141589
Ion Ratio Lower Upper
95 100
174 78.6 0.0 156.8
176 76.5 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.859 min Scan# 1684

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICNVN031825

Tgt Ion:117 Resp: 272130

Ion Ratio Lower Upper

117 100

82 54.8 46.7 70.1

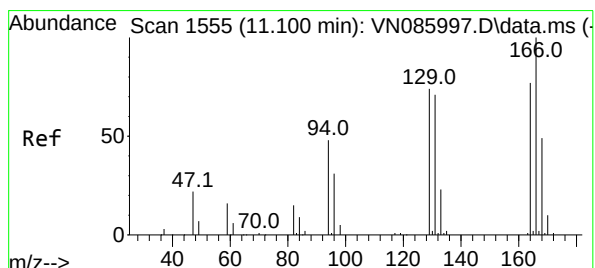
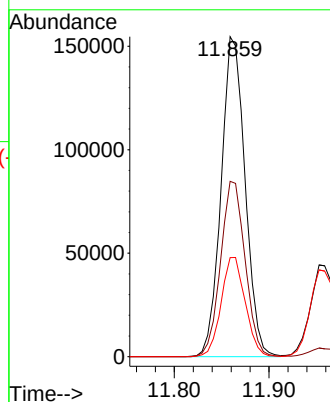
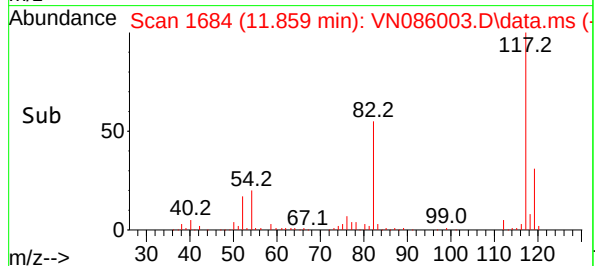
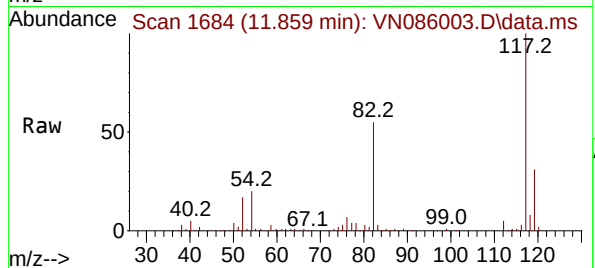
119 31.0 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#64

Tetrachloroethene

Concen: 52.844 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion:164 Resp: 114717

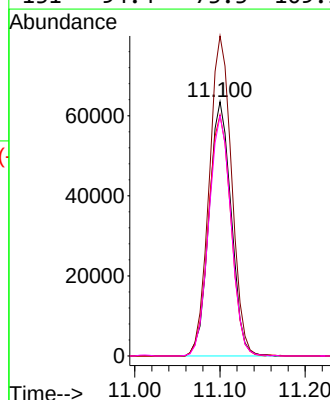
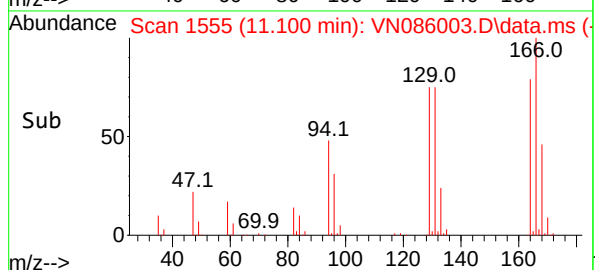
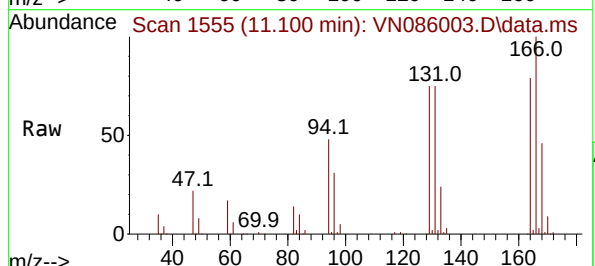
Ion Ratio Lower Upper

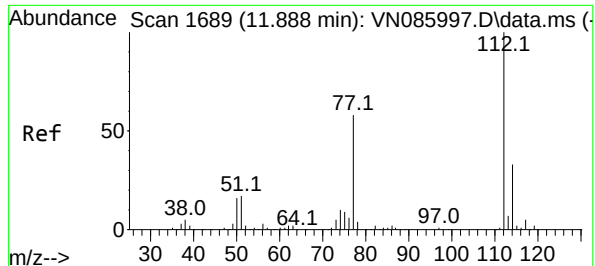
164 100

166 125.8 103.7 155.5

129 94.8 77.1 115.7

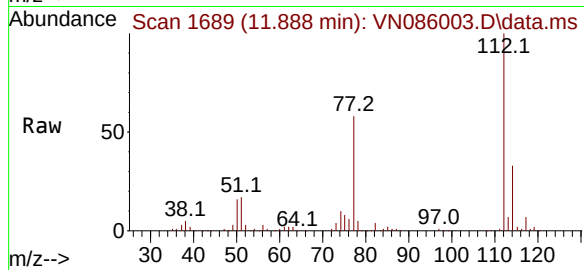
131 94.4 73.3 109.9





#65
Chlorobenzene
Concen: 53.783 ug/l
RT: 11.888 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

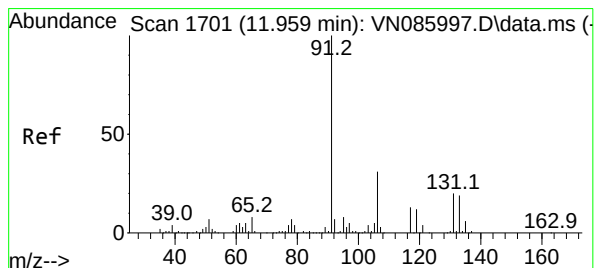
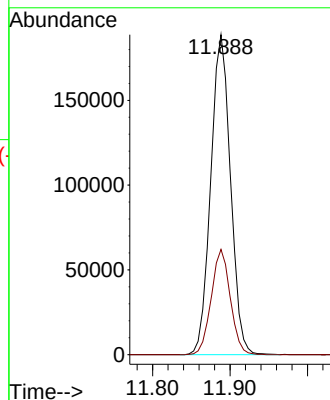
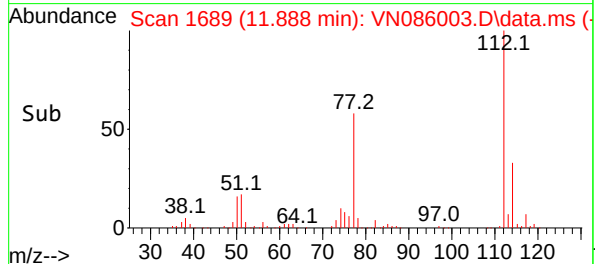
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion:112 Resp: 33492
Ion Ratio Lower Upper
112 100
114 32.9 26.3 39.5

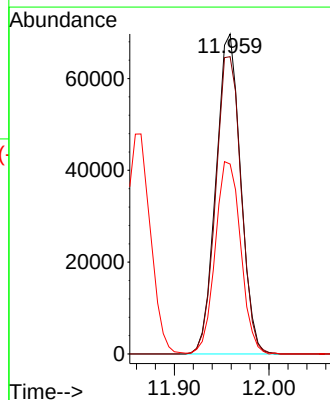
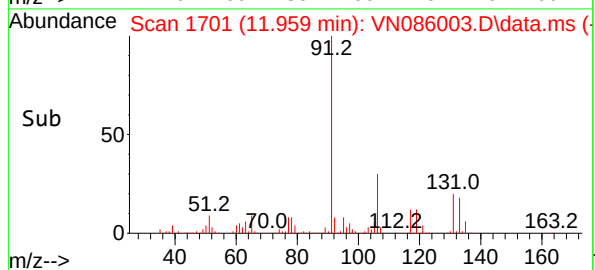
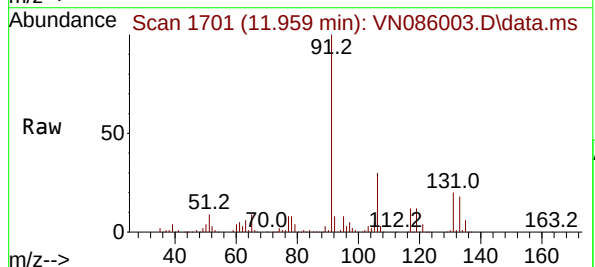
Manual Integrations
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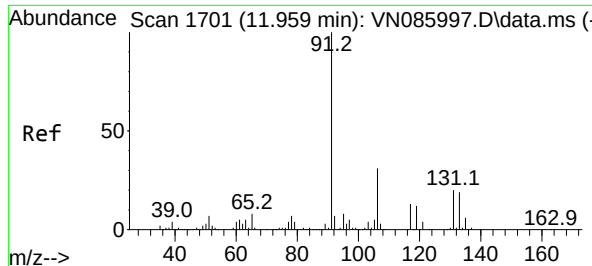
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 54.515 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion:131 Resp: 126196
Ion Ratio Lower Upper
131 100
133 96.1 47.0 141.0
119 62.1 31.4 94.0





#67

Ethyl Benzene

Concen: 59.592 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 91 Resp: 593609

Ion Ratio Lower Upper

91 100

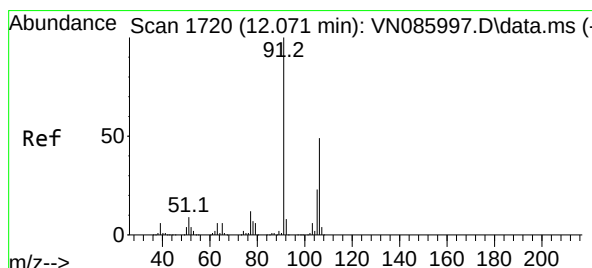
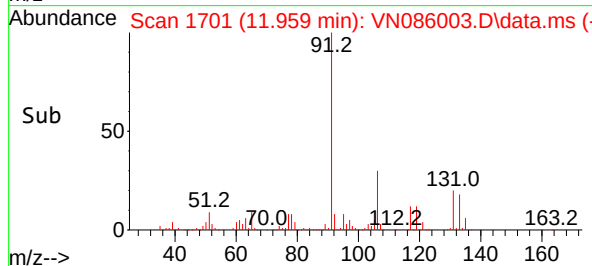
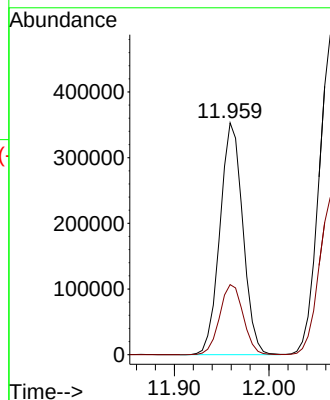
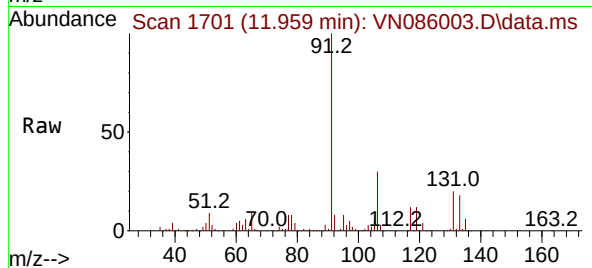
106 30.2 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#68

m/p-Xylenes

Concen: 120.622 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN086003.D

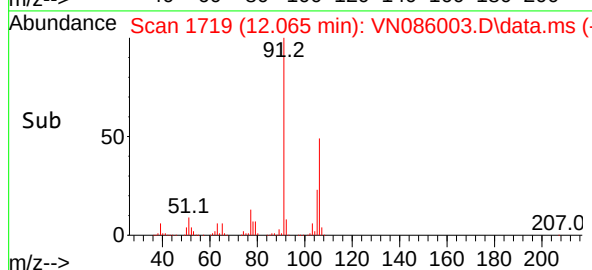
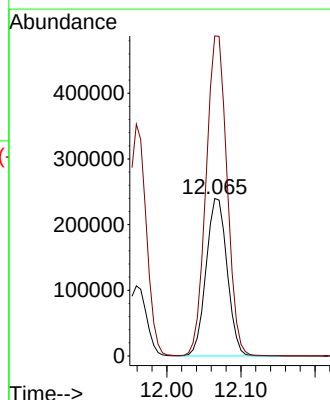
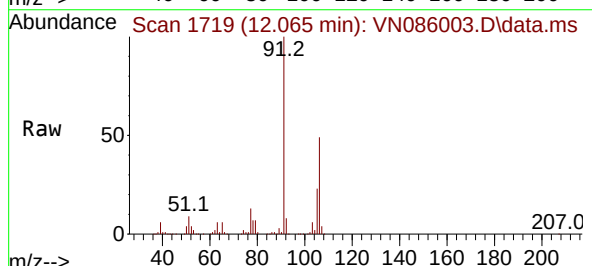
Acq: 18 Mar 2025 16:49

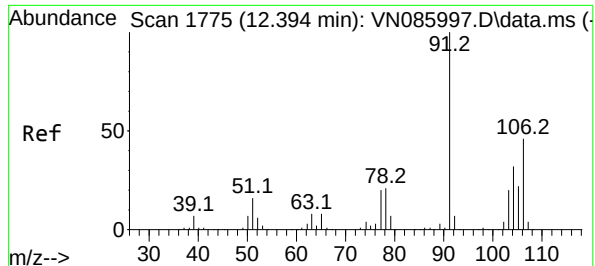
Tgt Ion:106 Resp: 472258

Ion Ratio Lower Upper

106 100

91 203.2 163.9 245.9





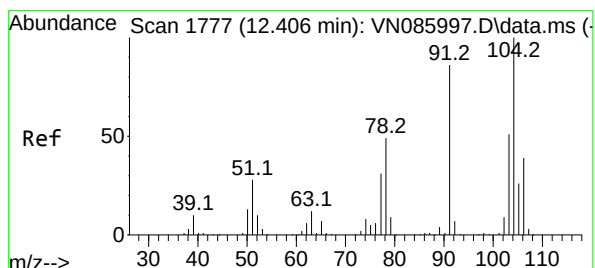
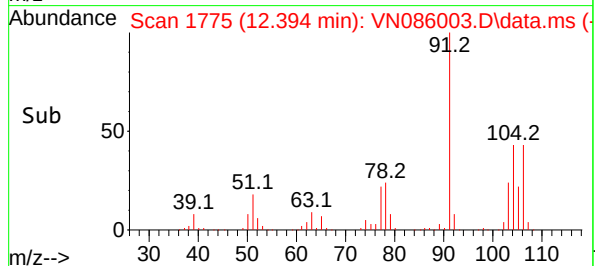
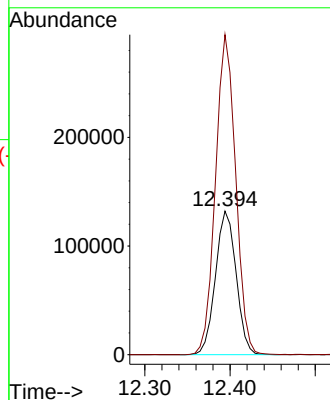
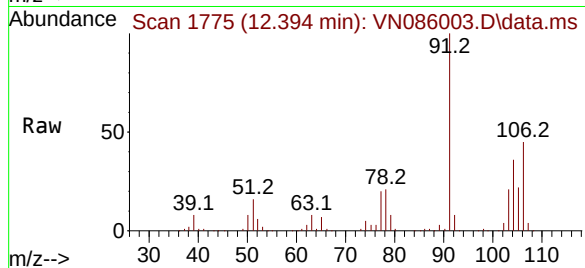
#69
o-Xylene
Concen: 62.069 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion:106 Resp: 223040
Ion Ratio Lower Upper
106 100
91 218.1 109.1 327.2

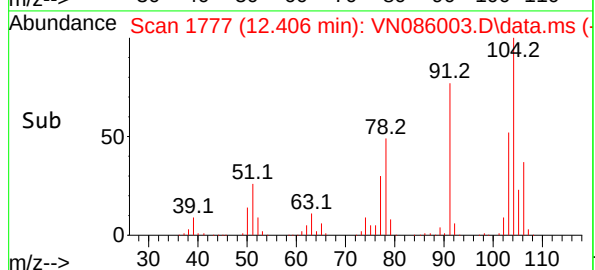
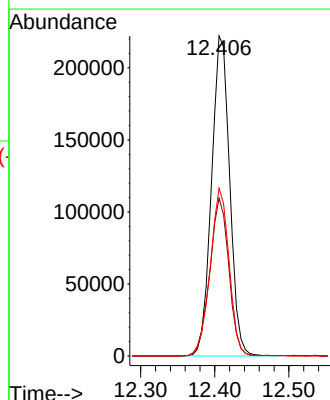
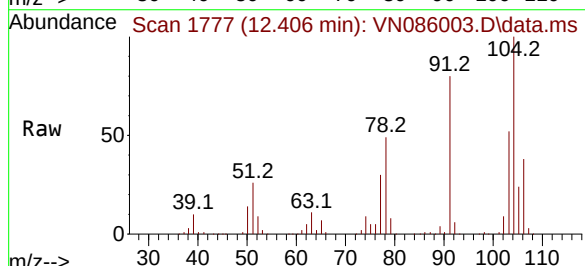
Manual Integrations
APPROVED

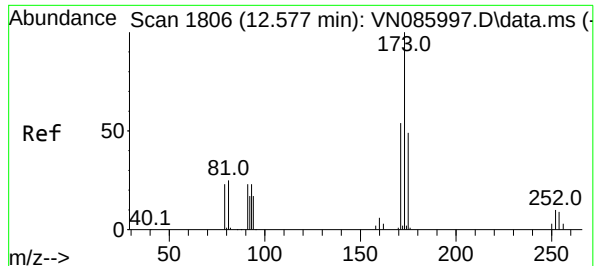
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#70
Styrene
Concen: 61.658 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

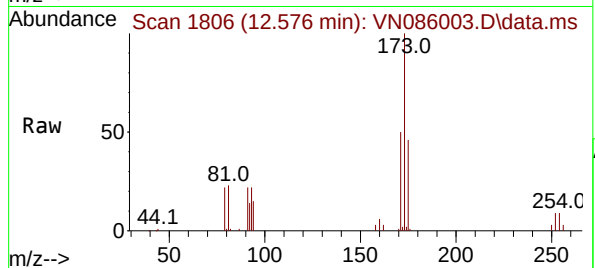
Tgt Ion:104 Resp: 378434
Ion Ratio Lower Upper
104 100
78 51.9 41.4 62.2
103 54.2 42.9 64.3





#71
Bromoform
Concen: 53.714 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

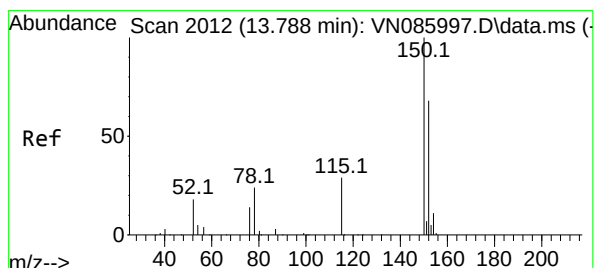
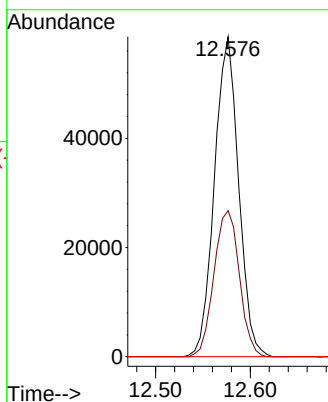
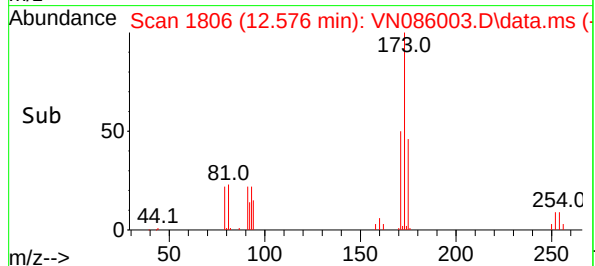
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



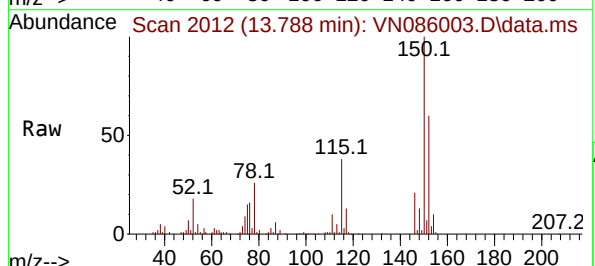
Tgt Ion:173 Resp: 10394
Ion Ratio Lower Upper
173 100
175 47.9 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

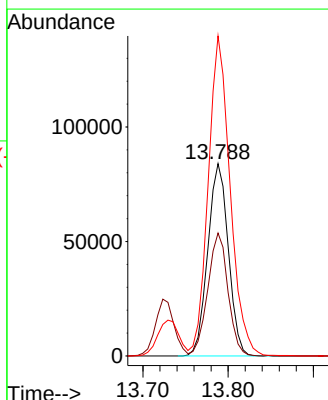
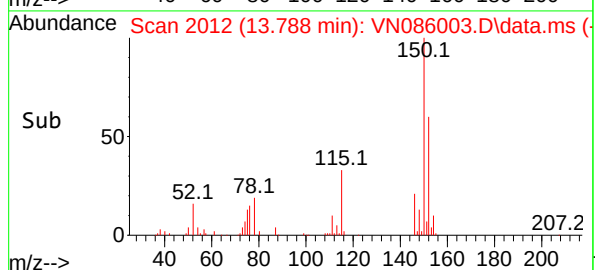
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

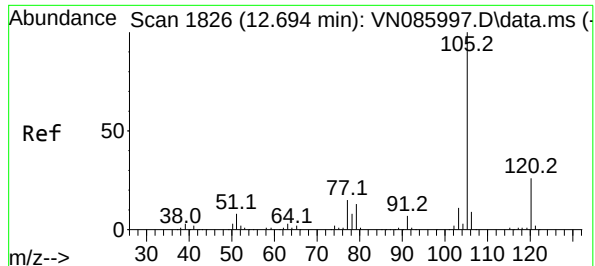


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49



Tgt Ion:152 Resp: 140427
Ion Ratio Lower Upper
152 100
115 62.9 31.1 93.2
150 178.0 0.0 359.6





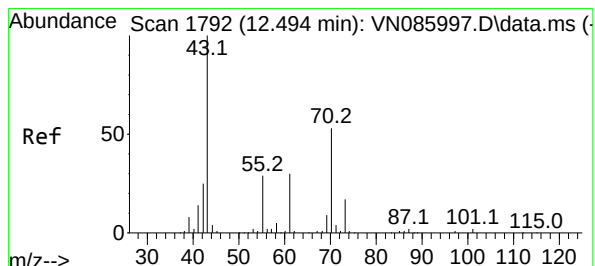
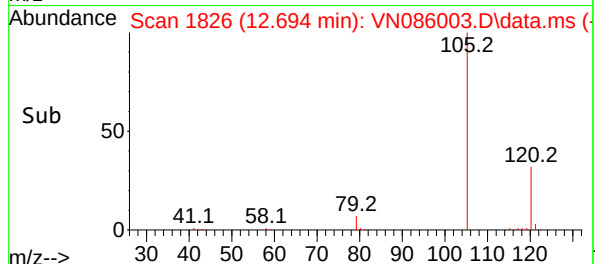
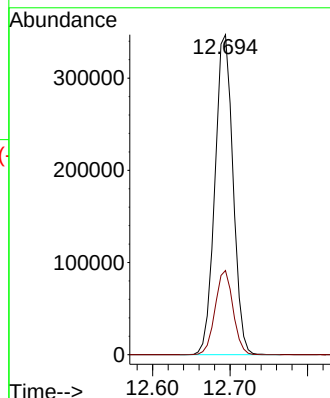
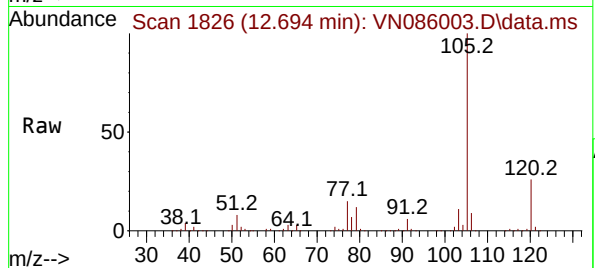
#73
Isopropylbenzene
Concen: 58.664 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion:105 Resp: 56256
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0

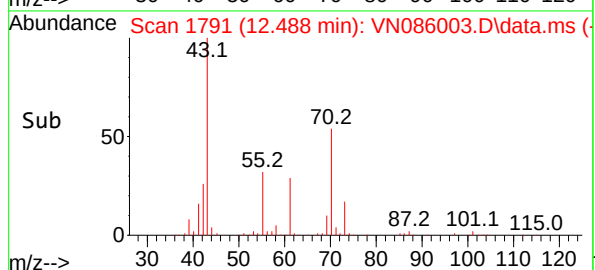
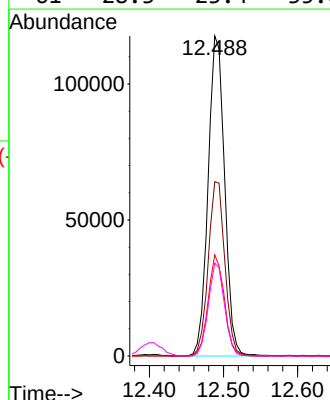
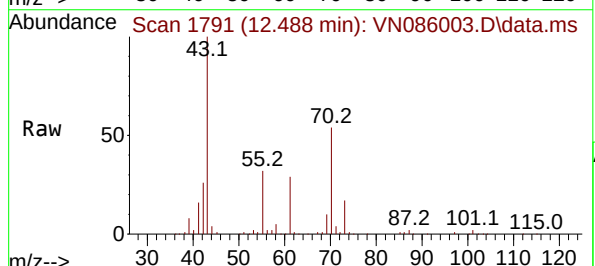
Manual Integrations
APPROVED

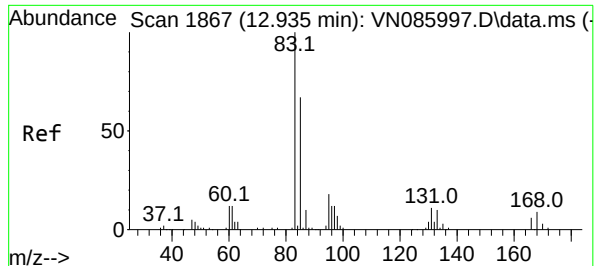
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#74
N-ethyl acetate
Concen: 56.839 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

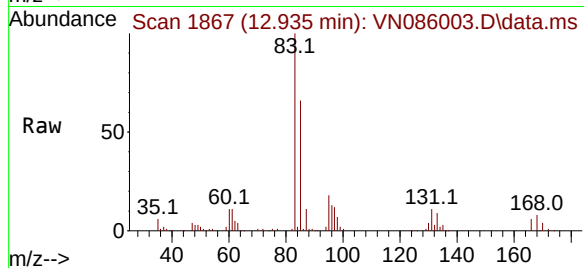
Tgt Ion: 43 Resp: 182359
Ion Ratio Lower Upper
43 100
70 54.7 43.0 64.4
55 30.9 23.8 35.8
61 28.3 23.4 35.0





#75
1,1,2,2-Tetrachloroethane
Concen: 49.586 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

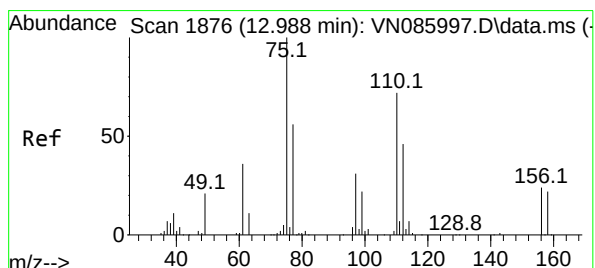
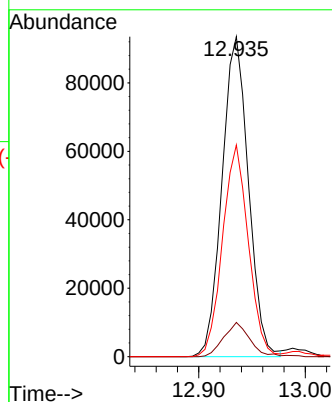
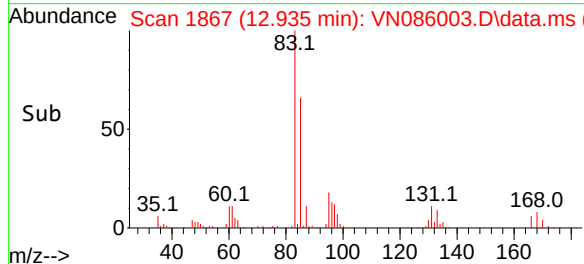
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 83 Resp: 160873
Ion Ratio Lower Upper
83 100
131 10.7 5.5 16.5
85 64.7 32.6 97.8

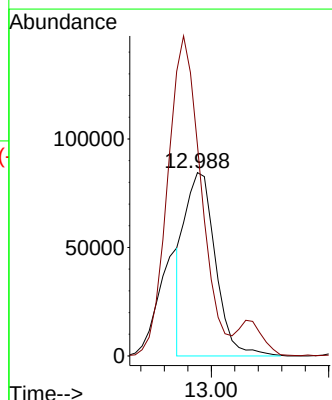
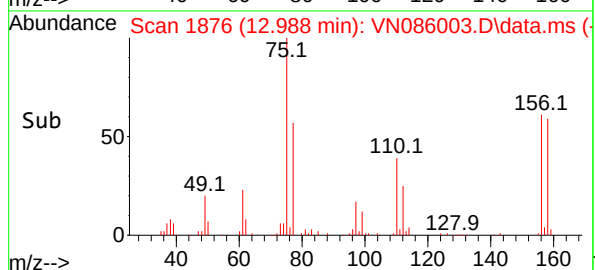
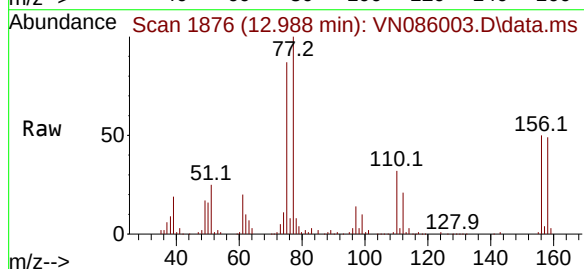
Manual Integrations
APPROVED

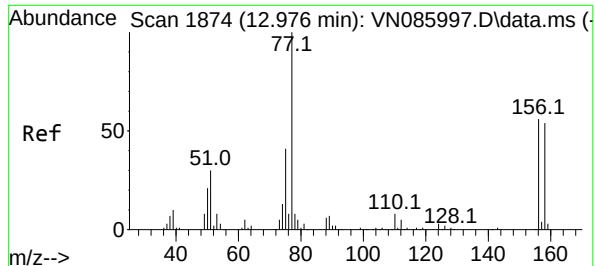
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 48.944 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

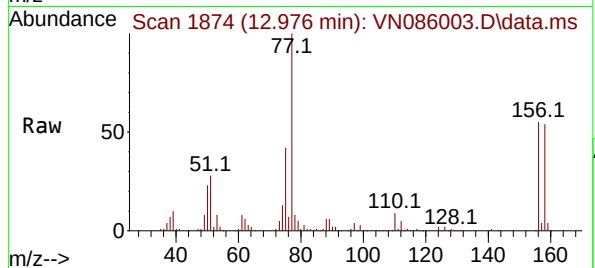
Tgt Ion: 75 Resp: 153873
Ion Ratio Lower Upper
75 100
77 189.6 83.7 251.0





#77
Bromobenzene
Concen: 53.193 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

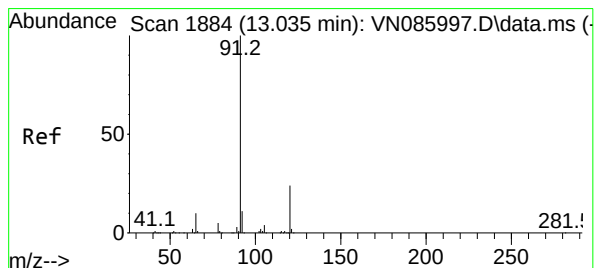
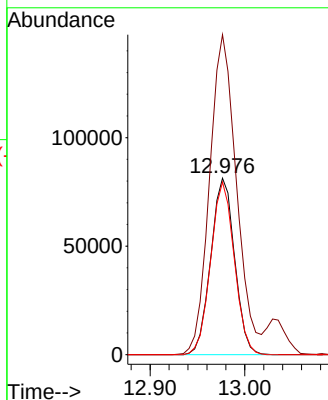
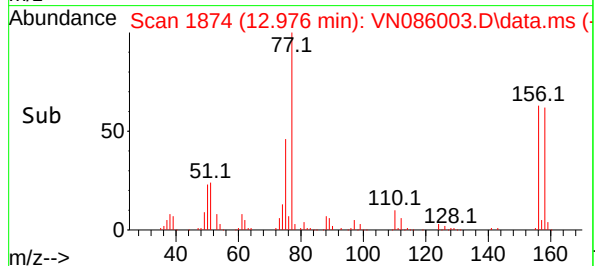
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion:156 Resp: 142234
Ion Ratio Lower Upper
156 100
77 205.1 104.1 312.3
158 96.8 49.0 147.0

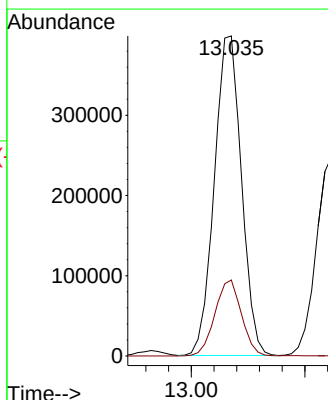
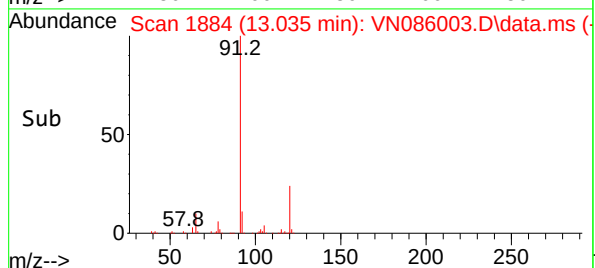
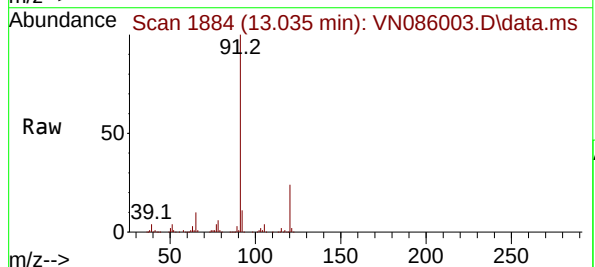
Manual Integrations
APPROVED

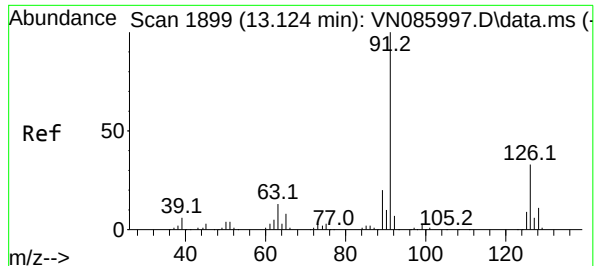
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#78
n-propylbenzene
Concen: 60.807 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 91 Resp: 660295
Ion Ratio Lower Upper
91 100
120 23.2 11.7 35.0





#79

2-Chlorotoluene

Concen: 57.461 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 91 Resp: 41444

Ion Ratio Lower Upper

91 100

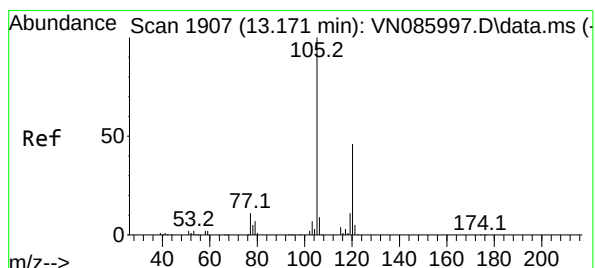
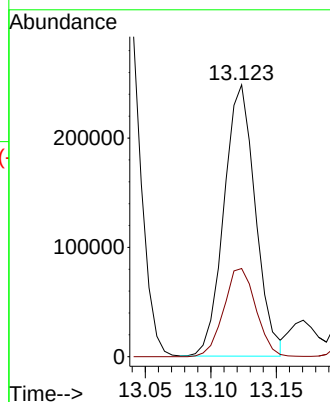
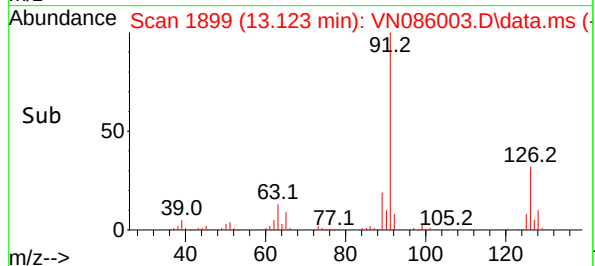
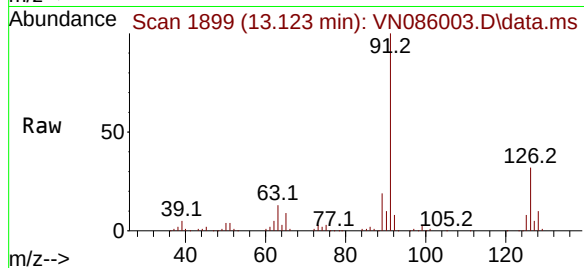
126 33.3 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 60.712 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086003.D

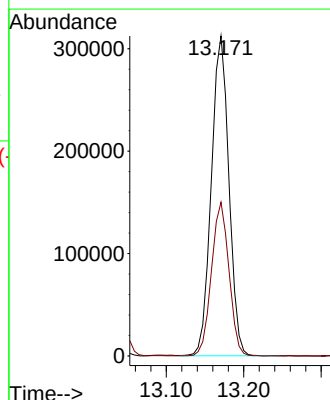
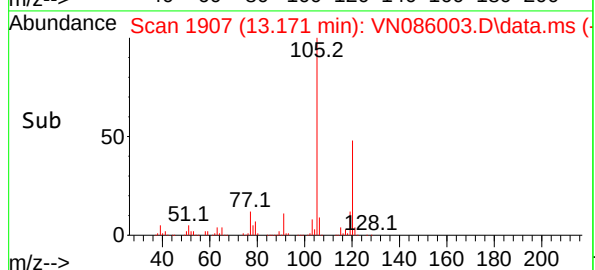
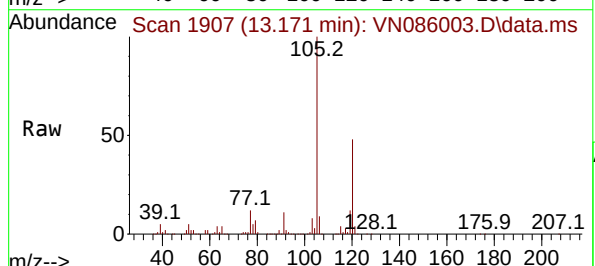
Acq: 18 Mar 2025 16:49

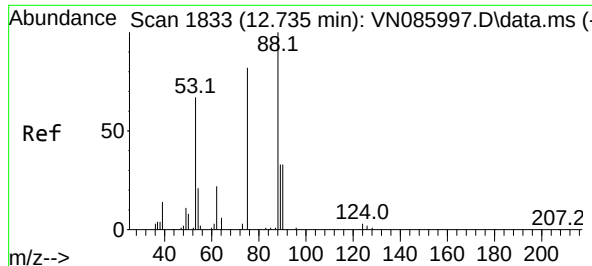
Tgt Ion:105 Resp: 491547

Ion Ratio Lower Upper

105 100

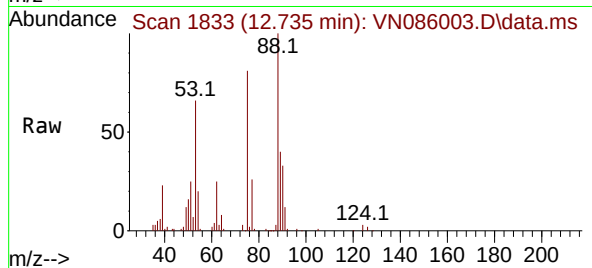
120 47.9 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 57.589 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

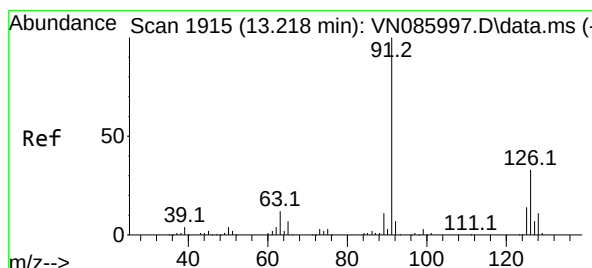
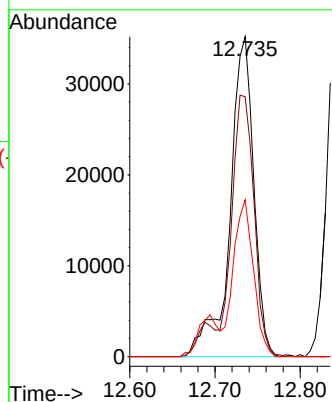
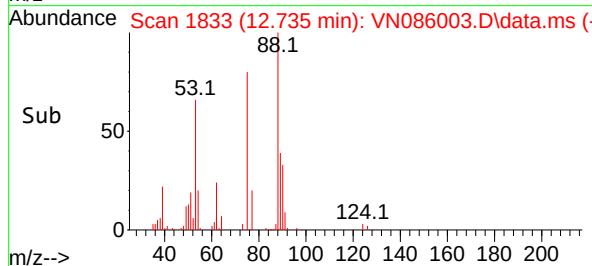
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 75 Resp: 6848
Ion Ratio Lower Upper
75 100
53 76.5 66.0 99.0
89 41.9 36.9 55.3

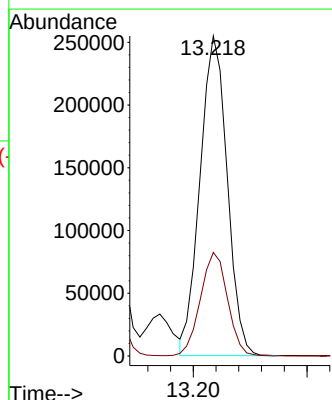
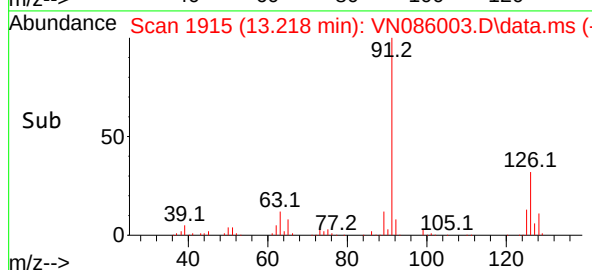
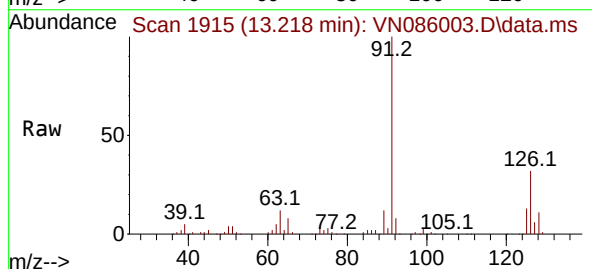
Manual Integrations
APPROVED

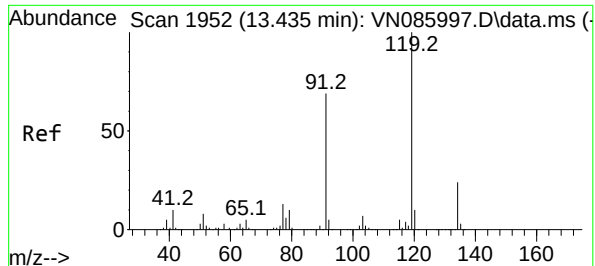
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 56.898 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

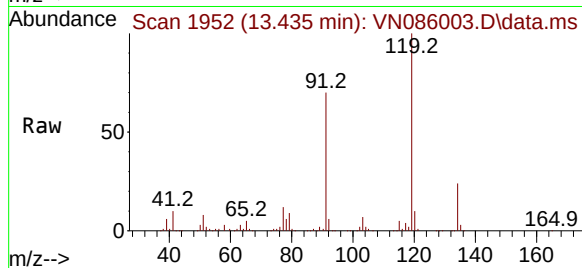
Tgt Ion: 91 Resp: 422016
Ion Ratio Lower Upper
91 100
126 32.4 16.1 48.2





#83
tert-Butylbenzene
Concen: 58.608 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

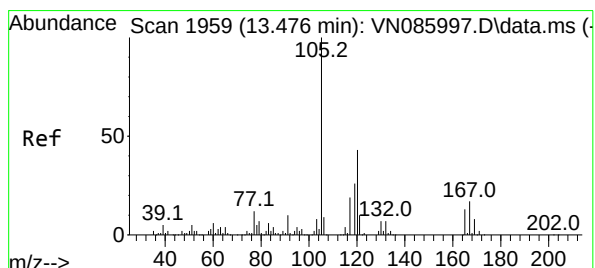
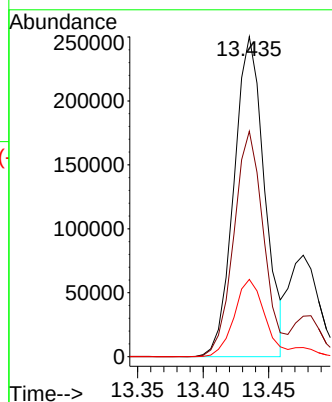
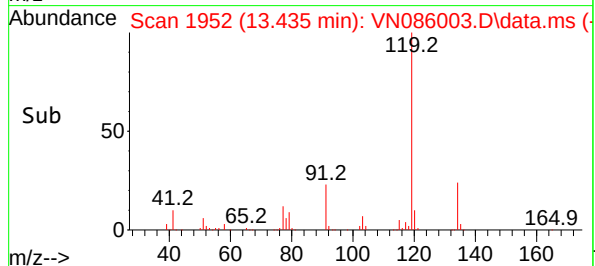
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion:119 Resp: 40583
Ion Ratio Lower Upper
119 100
91 69.7 34.3 102.9
134 24.2 13.5 40.5

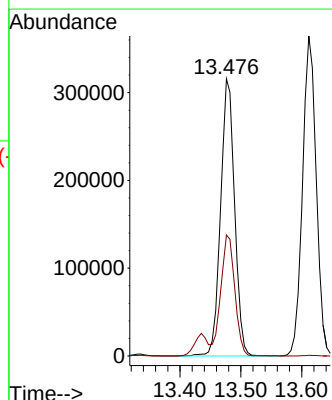
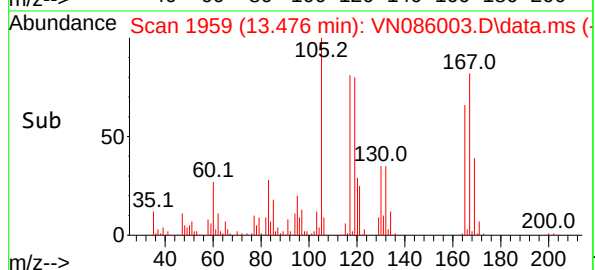
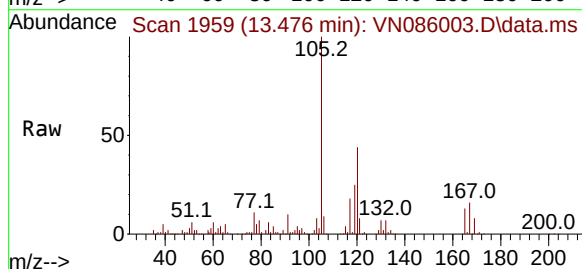
Manual Integrations
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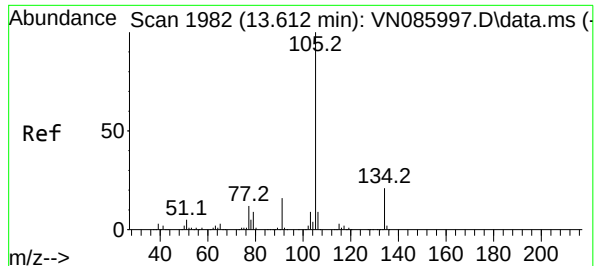
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 61.674 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion:105 Resp: 503636
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.8





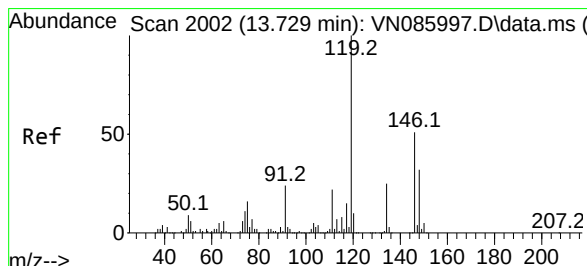
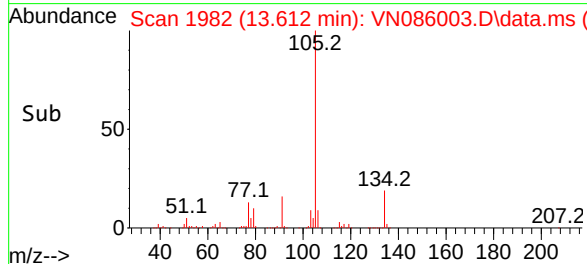
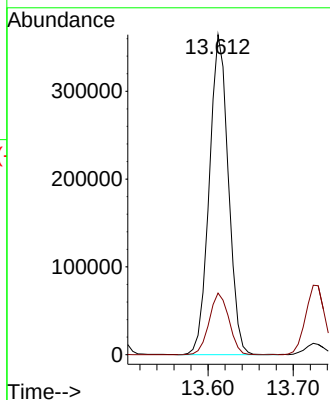
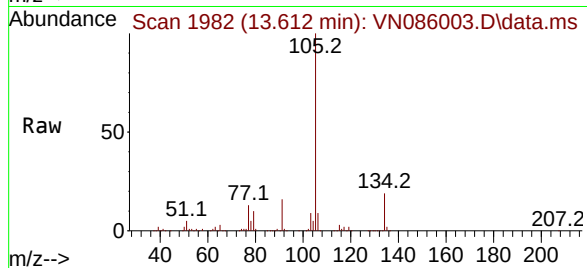
#85
sec-Butylbenzene
Concen: 62.874 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion:105 Resp: 567954
Ion Ratio Lower Upper
105 100
134 19.9 10.1 30.1

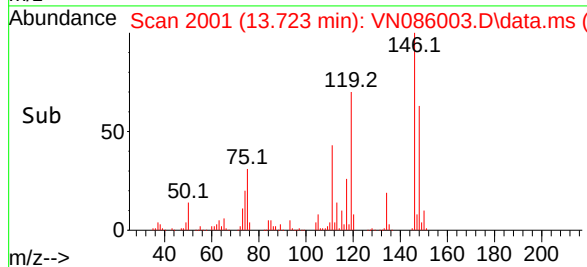
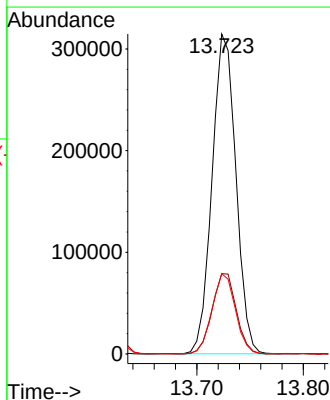
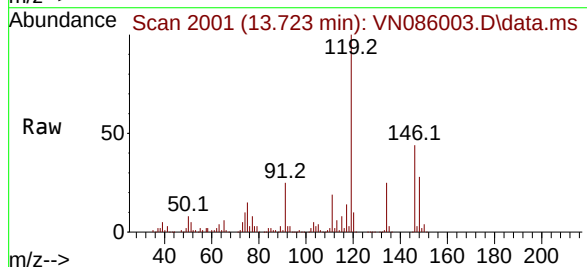
Manual Integrations
APPROVED

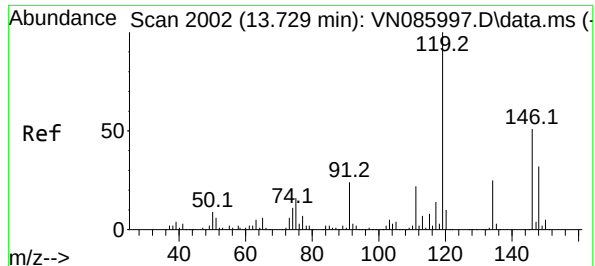
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#86
p-Isopropyltoluene
Concen: 63.821 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion:119 Resp: 488020
Ion Ratio Lower Upper
119 100
134 25.6 12.6 37.8
91 24.6 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 55.423 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion:146 Resp: 267129

Ion Ratio Lower Upper

146 100

111 42.3 21.2 63.6

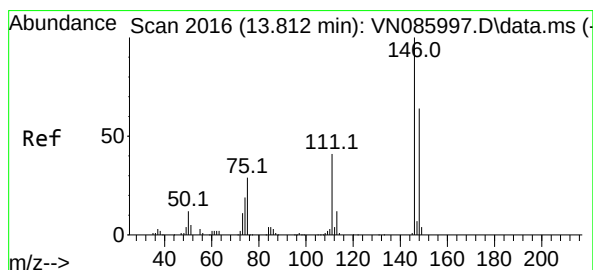
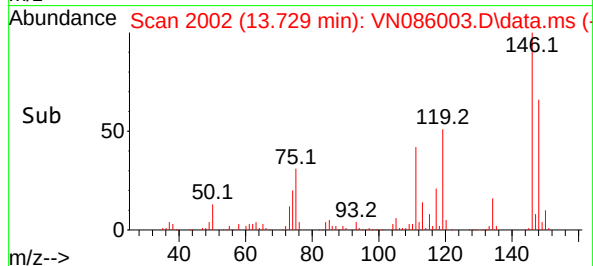
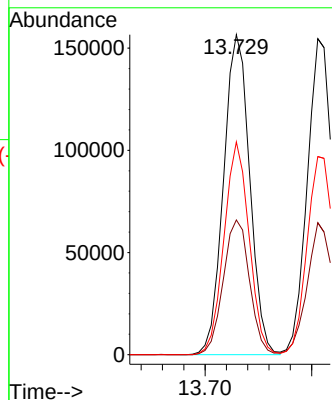
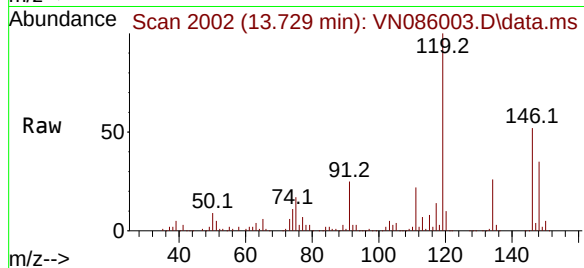
148 63.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 51.782 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

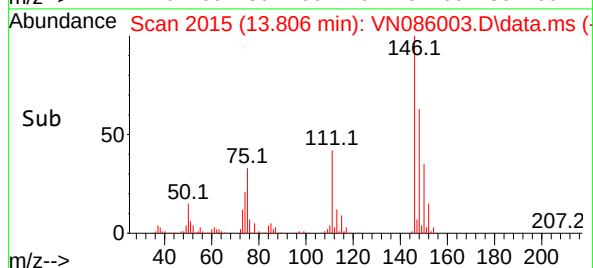
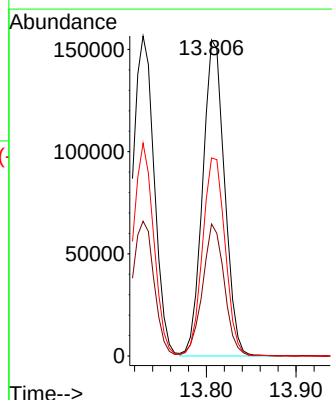
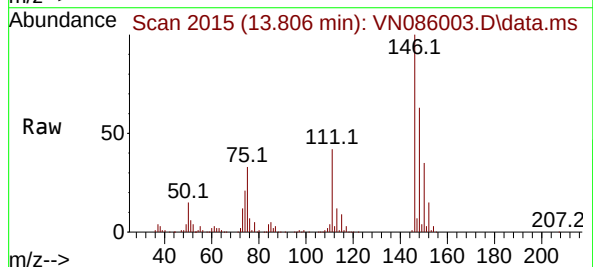
Tgt Ion:146 Resp: 262223

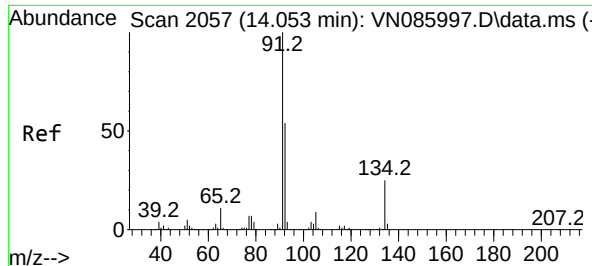
Ion Ratio Lower Upper

146 100

111 41.7 20.4 61.3

148 64.6 32.1 96.5





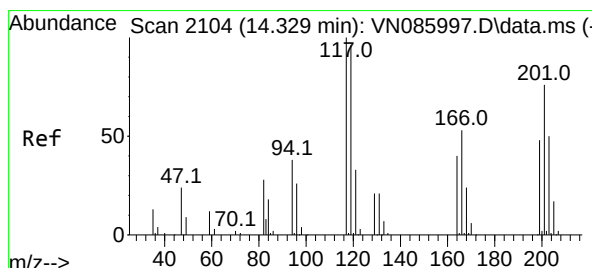
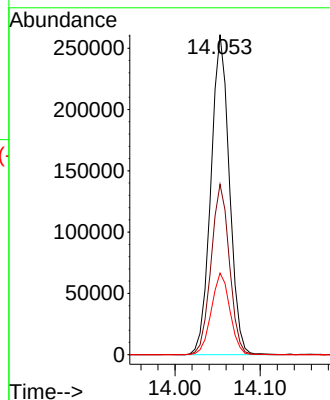
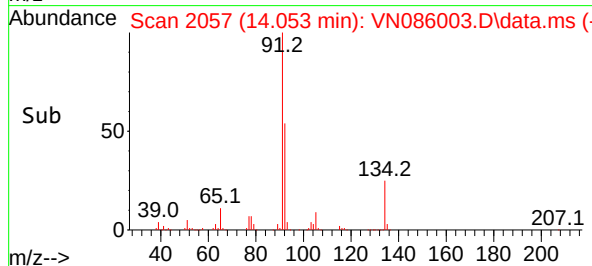
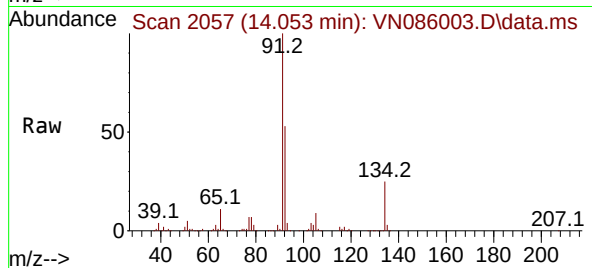
#89
n-Butylbenzene
Concen: 63.272 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion:	91	Resp:	393994
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.9	80.6
134	25.6	13.0	39.0

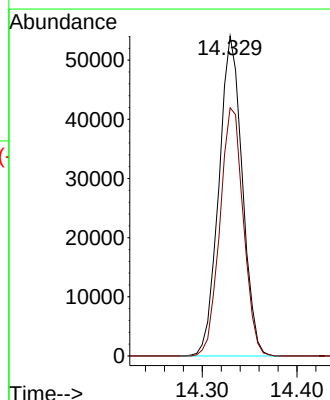
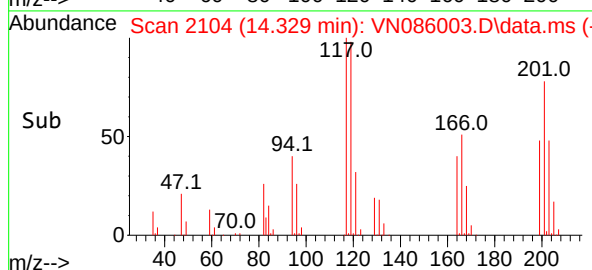
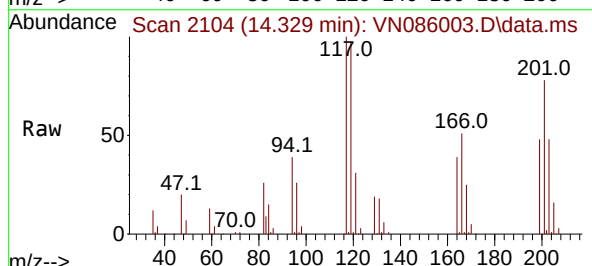
Manual Integrations
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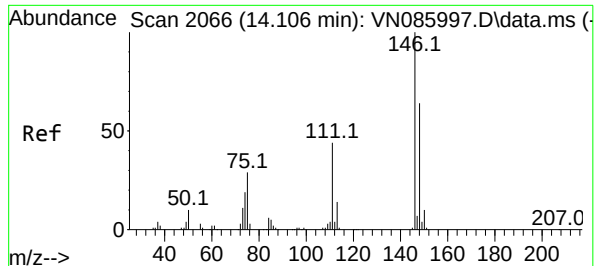
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#90
Hexachloroethane
Concen: 52.727 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion:	117	Resp:	93033
Ion	Ratio	Lower	Upper
117	100		
201	77.5	39.1	117.3





#91

1,2-Dichlorobenzene

Concen: 53.019 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

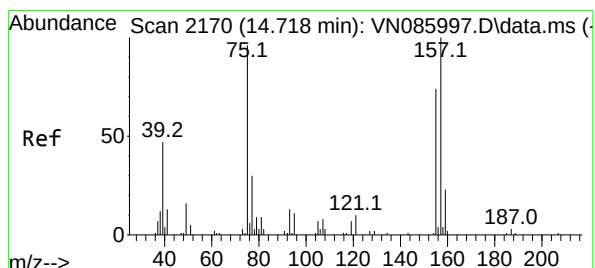
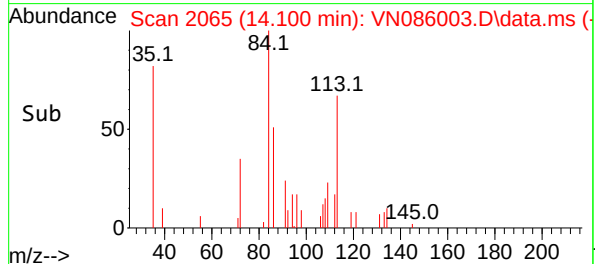
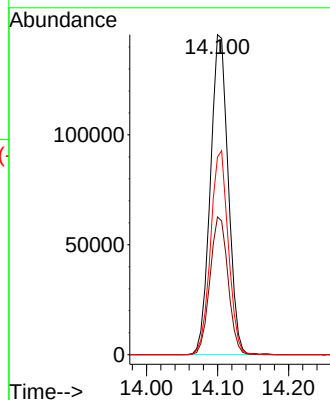
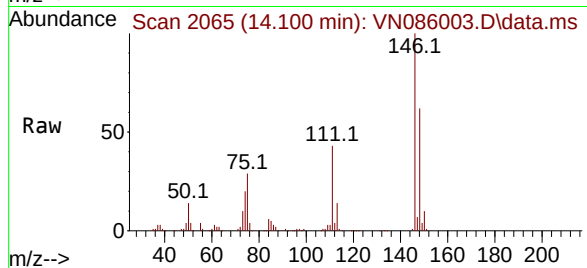
Tgt Ion:	146	Resp:	25403
Ion Ratio	Lower	Upper	
146	100		
111	43.6	22.3	66.8
148	63.3	32.1	96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.293 ug/l

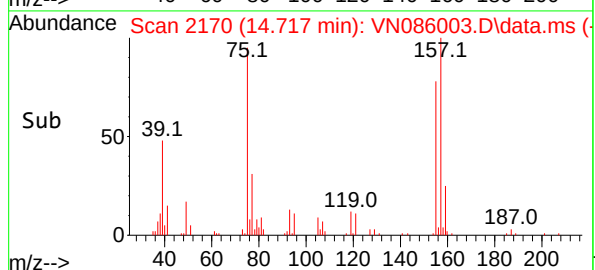
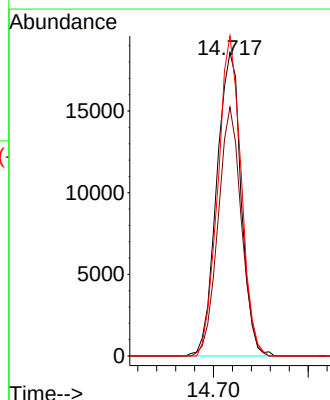
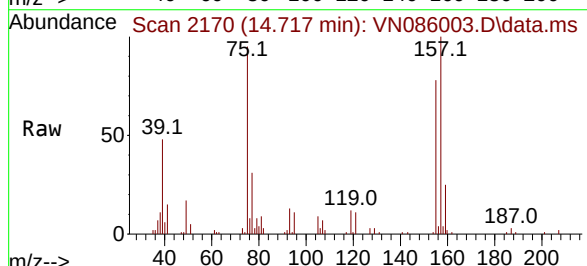
RT: 14.717 min Scan# 2170

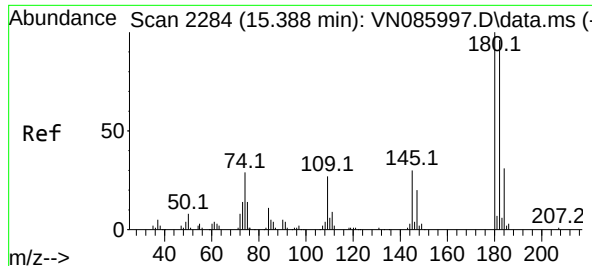
Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion:	75	Resp:	33218
Ion Ratio	Lower	Upper	
75	100		
155	78.3	41.0	123.0
157	100.3	53.7	161.1





#93

1,2,4-Trichlorobenzene

Concen: 54.700 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion:180 Resp: 13178

Ion Ratio Lower Upper

180 100

182 95.6 47.0 141.0

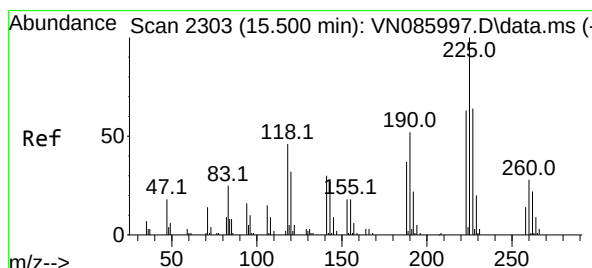
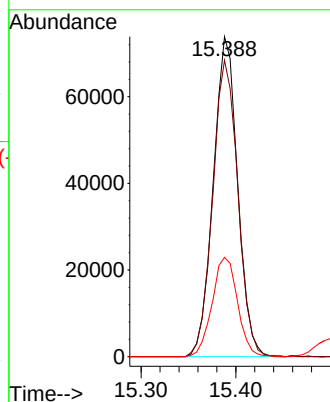
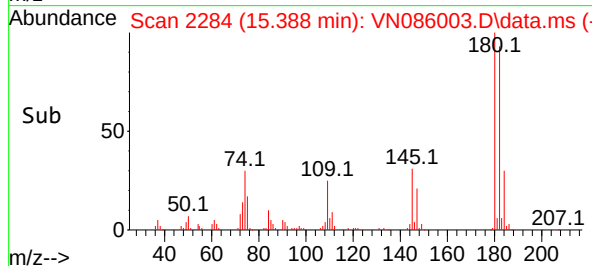
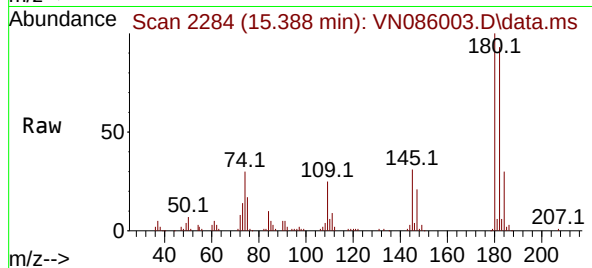
145 32.4 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 50.380 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

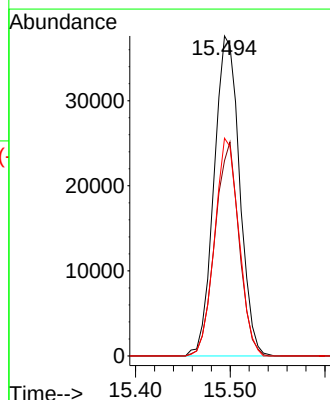
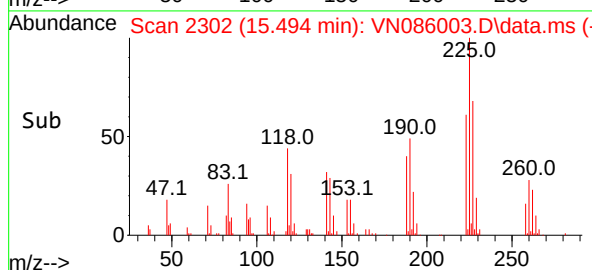
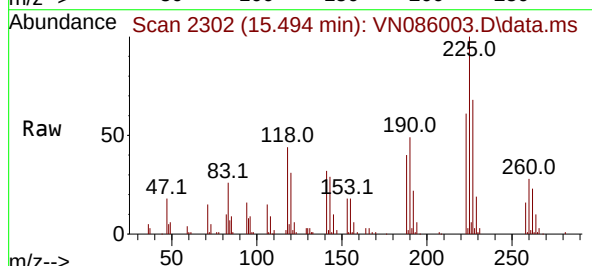
Tgt Ion:225 Resp: 70418

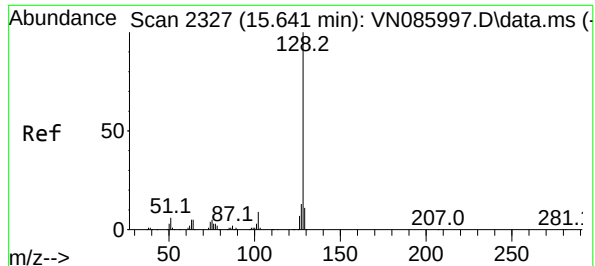
Ion Ratio Lower Upper

225 100

223 63.3 31.3 93.9

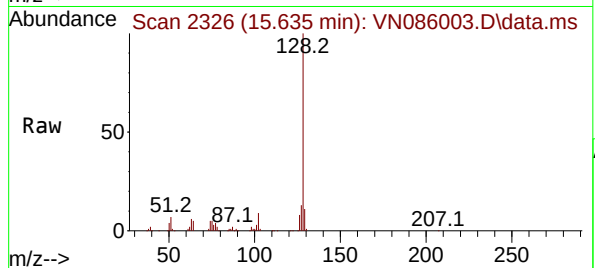
227 64.9 32.1 96.3





#95
Naphthalene
Concen: 54.297 ug/l
RT: 15.635 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

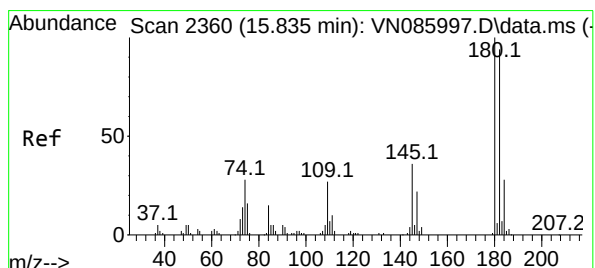
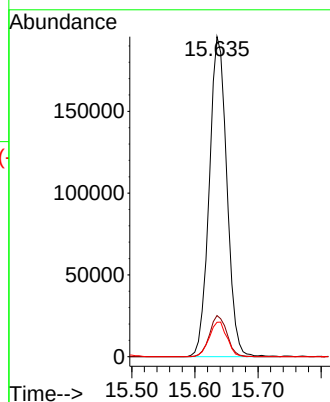
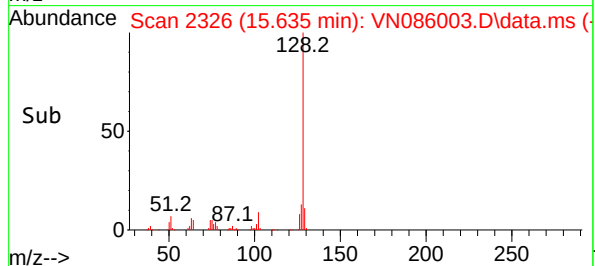
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



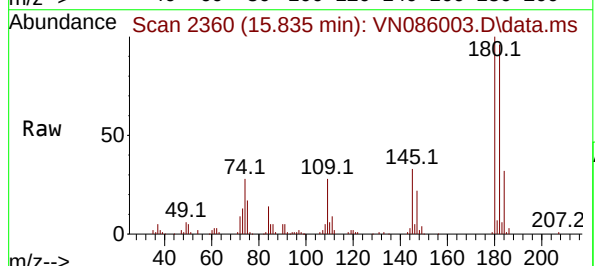
Tgt Ion:128 Resp: 378782
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 9.0 13.6

Manual Integrations
APPROVED

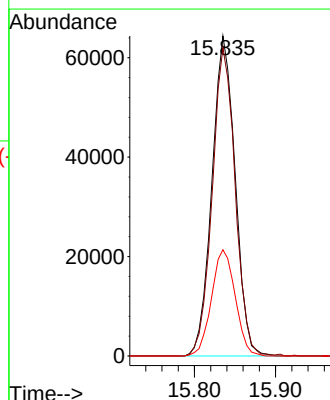
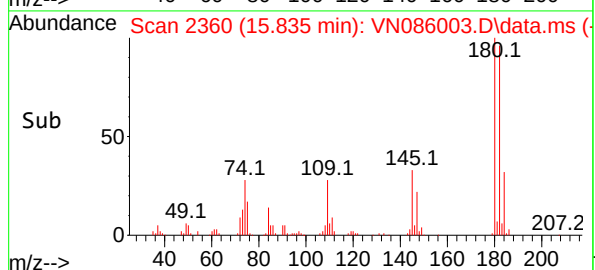
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 55.887 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49



Tgt Ion:180 Resp: 127760
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.5
145 33.9 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	0.662	0.745	-12.5	112	0.00
3 P	Chloromethane	0.581	0.610	-5.0	106	0.00
4 C	Vinyl Chloride	0.594	0.665	-12.0#	109	0.00
5 T	Bromomethane	0.404	0.417	-3.2	106	0.00
6 T	Chloroethane	0.375	0.383	-2.1	113	0.00
7 T	Trichlorofluoromethane	1.067	1.134	-6.3	112	0.00
8 T	Diethyl Ether	0.327	0.369	-12.8	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.567	0.601	-6.0	113	0.00
10 T	Methyl Iodide	0.739	0.838	-13.4	112	0.00
11 T	Tert butyl alcohol	0.097	0.092	5.2	95	-0.01
12 CM	1,1-Dichloroethene	0.512	0.587	-14.6#	110	0.00
13 T	Acrolein	0.103	0.113	-9.7	110	0.00
14 T	Allyl chloride	0.639	0.723	-13.1	114	0.00
15 T	Acrylonitrile	0.256	0.266	-3.9	104	0.00
16 T	Acetone	0.209	0.198	5.3	99	0.00
17 T	Carbon Disulfide	1.685	1.713	-1.7	110	0.00
18 T	Methyl Acetate	0.518	0.514	0.8	106	-0.01
19 T	Methyl tert-butyl Ether	1.679	1.965	-17.0	113	0.00
20 T	Methylene Chloride	0.612	0.654	-6.9	112	0.00
21 T	trans-1,2-Dichloroethene	0.560	0.622	-11.1	113	0.00
22 T	Diisopropyl ether	1.362	1.624	-19.2	114	0.00
23 T	Vinyl Acetate	1.032	1.220	-18.2	111	0.00
24 P	1,1-Dichloroethane	1.001	1.099	-9.8	112	0.00
25 T	2-Butanone	0.302	0.306	-1.3	102	0.00
26 T	2,2-Dichloropropane	0.964	1.073	-11.3	112	0.00
27 T	cis-1,2-Dichloroethene	0.636	0.727	-14.3	111	0.00
28 T	Bromochloromethane	0.424	0.371	12.5	92	0.00
29 T	Tetrahydrofuran	0.186	0.201	-8.1	100	0.00
30 C	Chloroform	1.107	1.204	-8.8#	115	0.00
31 T	Cyclohexane	0.853	0.934	-9.5	113	0.00
32 T	1,1,1-Trichloroethane	1.048	1.164	-11.1	114	0.00
33 S	1,2-Dichloroethane-d4	0.685	0.678	1.0	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35 S	Dibromofluoromethane	0.349	0.340	2.6	98	0.00
36 T	1,1-Dichloropropene	0.460	0.529	-15.0	113	0.00
37 T	Ethyl Acetate	0.388	0.394	-1.5	104	0.00
38 T	Carbon Tetrachloride	0.604	0.683	-13.1	114	0.00
39 T	Methylcyclohexane	0.456	0.555	-21.7	113	0.00
40 TM	Benzene	1.443	1.641	-13.7	114	0.00
41 T	Methacrylonitrile	0.185	0.216	-16.8	109	0.00
42 TM	1,2-Dichloroethane	0.503	0.551	-9.5	112	0.00
43 T	Isopropyl Acetate	0.840	0.693	17.5	98	0.00
44 TM	Trichloroethene	0.374	0.398	-6.4	112	0.00
45 C	1,2-Dichloropropane	0.328	0.379	-15.5#	115	0.00
46 T	Dibromomethane	0.258	0.289	-12.0	115	0.00
47 T	Bromodichloromethane	0.539	0.601	-11.5	113	0.00
48 T	Methyl methacrylate	0.277	0.320	-15.5	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.007	0.007	0.0	98	0.00
50 S	Toluene-d8	1.267	1.311	-3.5	100	0.00
51 T	4-Methyl-2-Pentanone	0.371	0.413	-11.3	104	0.00
52 CM	Toluene	0.885	1.069	-20.8#	113	0.00
53 T	t-1,3-Dichloropropene	0.524	0.625	-19.3	112	0.00
54 T	cis-1,3-Dichloropropene	0.553	0.662	-19.7	113	0.00
55 T	1,1,2-Trichloroethane	0.338	0.379	-12.1	112	0.00
56 T	Ethyl methacrylate	0.463	0.594	-28.3#	109	0.00
57 T	1,3-Dichloropropane	0.574	0.662	-15.3	113	0.00
58 T	2-Chloroethyl Vinyl ether	0.183	0.260	-42.1#	118	0.00
59 T	2-Hexanone	0.270	0.305	-13.0	104	0.00
60 T	Dibromochloromethane	0.436	0.501	-14.9	112	0.00
61 T	1,2-Dibromoethane	0.347	0.399	-15.0	110	0.00
62 S	4-Bromofluorobenzene	0.452	0.481	-6.4	100	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.399	0.422	-5.8	113	0.00
65 PM	Chlorobenzene	1.144	1.231	-7.6	113	0.00
66 T	1,1,1,2-Tetrachloroethane	0.425	0.464	-9.2	113	0.00
67 C	Ethyl Benzene	1.830	2.181	-19.2#	113	0.00
68 T	m/p-Xylenes	0.719	0.868	-20.7	114	0.00
69 T	o-Xylene	0.660	0.820	-24.2	114	0.00
70 T	Styrene	1.128	1.391	-23.3	113	0.00
71 P	Bromoform	0.356	0.382	-7.3	110	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73 T	Isopropylbenzene	3.414	4.006	-17.3	113	0.00
74 T	N-amyl acetate	1.142	1.299	-13.7	108	0.00
75 P	1,1,2,2-Tetrachloroethane	1.155	1.146	0.8	111	0.00
76 T	1,2,3-Trichloropropane	1.119	1.096	2.1	96	0.00
77 T	Bromobenzene	0.952	1.013	-6.4	113	0.00
78 T	n-propylbenzene	3.866	4.702	-21.6	114	0.00
79 T	2-Chlorotoluene	2.568	2.951	-14.9	115	0.00
80 T	1,3,5-Trimethylbenzene	2.883	3.500	-21.4	114	0.00
81 T	trans-1,4-Dichloro-2-butene	0.423	0.488	-15.4	120	0.00
82 T	4-Chlorotoluene	2.641	3.005	-13.8	114	0.00
83 T	tert-Butylbenzene	2.466	2.890	-17.2	116	0.00
84 T	1,2,4-Trimethylbenzene	2.908	3.586	-23.3	117	0.00
85 T	sec-Butylbenzene	3.216	4.044	-25.7#	117	0.00
86 T	p-Isopropyltoluene	2.723	3.475	-27.6#	117	0.00
87 T	1,3-Dichlorobenzene	1.716	1.902	-10.8	115	0.00
88 T	1,4-Dichlorobenzene	1.803	1.867	-3.5	114	0.00
89 T	n-Butylbenzene	2.217	2.806	-26.6#	118	0.00
90 T	Hexachloroethane	0.628	0.663	-5.6	116	0.00
91 T	1,2-Dichlorobenzene	1.706	1.809	-6.0	115	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.231	0.237	-2.6	109	0.00
93 T	1,2,4-Trichlorobenzene	0.858	0.938	-9.3	112	0.00
94 T	Hexachlorobutadiene	0.498	0.501	-0.6	115	0.00
95 T	Naphthalene	2.484	2.697	-8.6	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.814	0.910	-11.8	112	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	50.000	56.232	-12.5	112	0.00
3 P	Chloromethane	50.000	52.508	-5.0	106	0.00
4 C	Vinyl Chloride	50.000	55.971	-11.9#	109	0.00
5 T	Bromomethane	50.000	51.574	-3.1	106	0.00
6 T	Chloroethane	50.000	51.154	-2.3	113	0.00
7 T	Trichlorofluoromethane	50.000	53.112	-6.2	112	0.00
8 T	Diethyl Ether	50.000	56.496	-13.0	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.975	-6.0	113	0.00
10 T	Methyl Iodide	50.000	56.682	-13.4	112	0.00
11 T	Tert butyl alcohol	250.000	238.378	4.6	95	-0.01
12 CM	1,1-Dichloroethene	50.000	57.321	-14.6#	110	0.00
13 T	Acrolein	250.000	272.978	-9.2	110	0.00
14 T	Allyl chloride	50.000	56.555	-13.1	114	0.00
15 T	Acrylonitrile	250.000	260.076	-4.0	104	0.00
16 T	Acetone	250.000	237.056	5.2	99	0.00
17 T	Carbon Disulfide	50.000	50.845	-1.7	110	0.00
18 T	Methyl Acetate	50.000	49.649	0.7	106	-0.01
19 T	Methyl tert-butyl Ether	50.000	58.538	-17.1	113	0.00
20 T	Methylene Chloride	50.000	53.440	-6.9	112	0.00
21 T	trans-1,2-Dichloroethene	50.000	55.586	-11.2	113	0.00
22 T	Diisopropyl ether	50.000	59.615	-19.2	114	0.00
23 T	Vinyl Acetate	250.000	295.428	-18.2	111	0.00
24 P	1,1-Dichloroethane	50.000	54.884	-9.8	112	0.00
25 T	2-Butanone	250.000	253.710	-1.5	102	0.00
26 T	2,2-Dichloropropane	50.000	55.667	-11.3	112	0.00
27 T	cis-1,2-Dichloroethene	50.000	57.158	-14.3	111	0.00
28 T	Bromochloromethane	50.000	43.664	12.7	92	0.00
29 T	Tetrahydrofuran	250.000	269.263	-7.7	100	0.00
30 C	Chloroform	50.000	54.394	-8.8#	115	0.00
31 T	Cyclohexane	50.000	54.721	-9.4	113	0.00
32 T	1,1,1-Trichloroethane	50.000	55.539	-11.1	114	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.524	1.0	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35 S	Dibromofluoromethane	50.000	48.666	2.7	98	0.00
36 T	1,1-Dichloropropene	50.000	57.540	-15.1	113	0.00
37 T	Ethyl Acetate	50.000	50.756	-1.5	104	0.00
38 T	Carbon Tetrachloride	50.000	56.517	-13.0	114	0.00
39 T	Methylcyclohexane	50.000	60.818	-21.6	113	0.00
40 TM	Benzene	50.000	56.869	-13.7	114	0.00
41 T	Methacrylonitrile	50.000	58.457	-16.9	109	0.00
42 TM	1,2-Dichloroethane	50.000	54.822	-9.6	112	0.00
43 T	Isopropyl Acetate	50.000	41.226	17.5	98	0.00
44 TM	Trichloroethene	50.000	53.255	-6.5	112	0.00
45 C	1,2-Dichloropropane	50.000	57.740	-15.5#	115	0.00
46 T	Dibromomethane	50.000	56.012	-12.0	115	0.00
47 T	Bromodichloromethane	50.000	55.753	-11.5	113	0.00
48 T	Methyl methacrylate	50.000	57.751	-15.5	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1057.815	-5.8	98	0.00
50 S	Toluene-d8	50.000	51.736	-3.5	100	0.00
51 T	4-Methyl-2-Pentanone	250.000	278.467	-11.4	104	0.00
52 CM	Toluene	50.000	60.348	-20.7#	113	0.00
53 T	t-1,3-Dichloropropene	50.000	59.689	-19.4	112	0.00
54 T	cis-1,3-Dichloropropene	50.000	59.921	-19.8	113	0.00
55 T	1,1,2-Trichloroethane	50.000	56.064	-12.1	112	0.00
56 T	Ethyl methacrylate	50.000	55.208	-10.4	109	0.00
57 T	1,3-Dichloropropane	50.000	57.684	-15.4	113	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	306.978	-22.8	118	0.00
59 T	2-Hexanone	250.000	282.228	-12.9	104	0.00
60 T	Dibromochloromethane	50.000	57.477	-15.0	112	0.00
61 T	1,2-Dibromoethane	50.000	57.545	-15.1	110	0.00
62 S	4-Bromofluorobenzene	50.000	53.231	-6.5	100	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	52.844	-5.7	113	0.00
65 PM	Chlorobenzene	50.000	53.783	-7.6	113	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.515	-9.0	113	0.00
67 C	Ethyl Benzene	50.000	59.592	-19.2#	113	0.00
68 T	m/p-Xylenes	100.000	120.622	-20.6	114	0.00
69 T	o-Xylene	50.000	62.069	-24.1	114	0.00
70 T	Styrene	50.000	61.658	-23.3	113	0.00
71 P	Bromoform	50.000	53.714	-7.4	110	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73 T	Isopropylbenzene	50.000	58.664	-17.3	113	0.00
74 T	N-amyl acetate	50.000	56.839	-13.7	108	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.586	0.8	111	0.00
76 T	1,2,3-Trichloropropane	50.000	48.944	2.1	96	0.00
77 T	Bromobenzene	50.000	53.193	-6.4	113	0.00
78 T	n-propylbenzene	50.000	60.807	-21.6	114	0.00
79 T	2-Chlorotoluene	50.000	57.461	-14.9	115	0.00
80 T	1,3,5-Trimethylbenzene	50.000	60.712	-21.4	114	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	57.589	-15.2	120	0.00
82 T	4-Chlorotoluene	50.000	56.898	-13.8	114	0.00
83 T	tert-Butylbenzene	50.000	58.608	-17.2	116	0.00
84 T	1,2,4-Trimethylbenzene	50.000	61.674	-23.3	117	0.00
85 T	sec-Butylbenzene	50.000	62.874	-25.7#	117	0.00
86 T	p-Isopropyltoluene	50.000	63.821	-27.6#	117	0.00
87 T	1,3-Dichlorobenzene	50.000	55.423	-10.8	115	0.00
88 T	1,4-Dichlorobenzene	50.000	51.782	-3.6	114	0.00
89 T	n-Butylbenzene	50.000	63.272	-26.5#	118	0.00
90 T	Hexachloroethane	50.000	52.727	-5.5	116	0.00
91 T	1,2-Dichlorobenzene	50.000	53.019	-6.0	115	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.293	-2.6	109	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.700	-9.4	112	0.00
94 T	Hexachlorobutadiene	50.000	50.380	-0.8	115	0.00
95 T	Naphthalene	50.000	54.297	-8.6	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.887	-11.8	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: MSVOA_N Calibration Date/Time: 04/01/2025 12:30

Lab File ID: VN086191.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.662	0.804		21.45	20
Chloromethane	0.581	0.654	0.1	12.56	20
Vinyl Chloride	0.594	0.692		16.5	20
Bromomethane	0.404	0.386		-4.45	20
Chloroethane	0.375	0.368		-1.87	20
Trichlorofluoromethane	1.067	1.063		-0.38	20
1,1,2-Trichlorotrifluoroethane	0.567	0.536		-5.47	20
1,1-Dichloroethene	0.512	0.479		-6.45	20
Acetone	0.209	0.176		-15.79	20
Carbon Disulfide	1.685	1.478		-12.28	20
Methyl tert-butyl Ether	1.679	1.653		-1.55	20
Methyl Acetate	0.518	0.482		-6.95	20
Methylene Chloride	0.612	0.588		-3.92	20
trans-1,2-Dichloroethene	0.560	0.557		-0.54	20
1,1-Dichloroethane	1.001	0.969	0.1	-3.2	20
Cyclohexane	0.853	0.798		-6.45	20
2-Butanone	0.302	0.282		-6.62	20
Carbon Tetrachloride	0.604	0.691		14.4	20
cis-1,2-Dichloroethene	0.636	0.652		2.52	20
Bromochloromethane	0.424	0.412		-2.83	20
Chloroform	1.107	1.147		3.61	20
1,1,1-Trichloroethane	1.048	1.109		5.82	20
Methylcyclohexane	0.456	0.469		2.85	20
Benzene	1.443	1.549		7.35	20
1,2-Dichloroethane	0.503	0.554		10.14	20
Trichloroethene	0.374	0.367		-1.87	20
1,2-Dichloropropane	0.328	0.346		5.49	20
Bromodichloromethane	0.539	0.597		10.76	20
4-Methyl-2-Pentanone	0.371	0.423		14.02	20
Toluene	0.885	1.035		16.95	20
t-1,3-Dichloropropene	0.524	0.565		7.82	20
cis-1,3-Dichloropropene	0.553	0.595		7.59	20
1,1,2-Trichloroethane	0.338	0.380		12.43	20
2-Hexanone	0.270	0.313		15.93	20
Dibromochloromethane	0.436	0.499		14.45	20
1,2-Dibromoethane	0.347	0.385		10.95	20
Tetrachloroethene	0.399	0.411		3.01	20
Chlorobenzene	1.144	1.152	0.3	0.7	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: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: MSVOA_N Calibration Date/Time: 04/01/2025 12:30

Lab File ID: VN086191.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.830	1.975		7.92	20
m/p-Xylenes	0.719	0.809		12.52	20
o-Xylene	0.660	0.744		12.73	20
Styrene	1.128	1.331		18	20
Bromoform	0.356	0.377	0.1	5.9	20
Isopropylbenzene	3.414	3.345		-2.02	20
1,1,2,2-Tetrachloroethane	1.155	1.028	0.3	-11	20
1,3-Dichlorobenzene	1.716	1.691		-1.46	20
1,4-Dichlorobenzene	1.803	1.656		-8.15	20
1,2-Dichlorobenzene	1.706	1.629		-4.51	20
1,2-Dibromo-3-Chloropropane	0.231	0.220		-4.76	20
1,2,4-Trichlorobenzene	0.858	0.749		-12.7	20
1,2,3-Trichlorobenzene	0.814	0.758		-6.88	20
1,2-Dichloroethane-d4	0.685	0.742		8.32	20
Dibromofluoromethane	0.349	0.363		4.01	20
Toluene-d8	1.267	1.382		9.08	20
4-Bromofluorobenzene	0.452	0.517		14.38	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_N\Data\VN040125\
 Data File : VN086191.D
 Acq On : 01 Apr 2025 12:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 01:51:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	131862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	204993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	195897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97838	54.185	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.360%			
35) Dibromofluoromethane	8.165	113	74351	51.964	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.920%			
50) Toluene-d8	10.565	98	283232	54.542	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.080%			
62) 4-Bromofluorobenzene	12.847	95	105921	57.194	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	105974	60.662	ug/l	98
3) Chloromethane	2.359	50	86301	56.350	ug/l	98
4) Vinyl Chloride	2.506	62	91233	58.261	ug/l	99
5) Bromomethane	2.936	94	50856	47.678	ug/l	98
6) Chloroethane	3.106	64	48523	49.119	ug/l	95
7) Trichlorofluoromethane	3.489	101	140135	49.782	ug/l	99
8) Diethyl Ether	3.959	74	36707	42.596	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	70730	47.277	ug/l	99
10) Methyl Iodide	4.583	142	94384	48.417	ug/l	93
11) Tert butyl alcohol	5.524	59	56164	219.694	ug/l	98
12) 1,1-Dichloroethene	4.336	96	63208	46.789	ug/l	96
13) Acrolein	4.177	56	49816	182.699	ug/l	94
14) Allyl chloride	5.018	41	67909	40.294	ug/l	93
15) Acrylonitrile	5.718	53	159244	235.861	ug/l	98
16) Acetone	4.424	43	116296	210.819	ug/l	97
17) Carbon Disulfide	4.712	76	194846	43.857	ug/l	99
18) Methyl Acetate	5.024	43	63507	46.530	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	217945	49.233	ug/l	100
20) Methylene Chloride	5.277	84	77510	48.030	ug/l	96
21) trans-1,2-Dichloroethene	5.788	96	73509	49.791	ug/l	96
22) Diisopropyl ether	6.671	45	172108	47.921	ug/l	99
23) Vinyl Acetate	6.600	43	656603	241.172	ug/l	98
24) 1,1-Dichloroethane	6.565	63	127834	48.404	ug/l	100
25) 2-Butanone	7.482	43	185831	233.461	ug/l	100
26) 2,2-Dichloropropane	7.488	77	120377	47.344	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	85938	51.224	ug/l	98
28) Bromochloromethane	7.812	49	54285	48.515	ug/l	99
29) Tetrahydrofuran	7.835	42	124704	253.767	ug/l	98
30) Chloroform	7.965	83	151272	51.821	ug/l	97
31) Cyclohexane	8.253	56	105197	46.757	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	146295	52.943	ug/l	98
36) 1,1-Dichloropropene	8.371	75	101016	53.617	ug/l	99
37) Ethyl Acetate	7.559	43	77375	48.680	ug/l	100
38) Carbon Tetrachloride	8.359	117	141628	57.173	ug/l	98
39) Methylcyclohexane	9.600	83	96125	51.425	ug/l	90
40) Benzene	8.606	78	317513	53.684	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086191.D
 Acq On : 01 Apr 2025 12:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 01:51:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	41220	54.310	ug/l	96
42) 1,2-Dichloroethane	8.665	62	113538	55.093	ug/l	99
43) Isopropyl Acetate	8.688	43	135463	39.330	ug/l	99
44) Trichloroethene	9.353	130	75257	49.095	ug/l	95
45) 1,2-Dichloropropane	9.618	63	70881	52.691	ug/l	92
46) Dibromomethane	9.706	93	58614	55.405	ug/l	99
47) Bromodichloromethane	9.888	83	122368	55.345	ug/l	99
48) Methyl methacrylate	9.676	41	61608	54.205	ug/l	96
49) 1,4-Dioxane	9.694	88	30471	1134.096	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	433441	285.346	ug/l	99
52) Toluene	10.629	92	212069	58.421	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	115814	53.936	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	121877	53.797	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	77847	56.188	ug/l	96
56) Ethyl methacrylate	10.871	69	111441	51.295	ug/l	98
57) 1,3-Dichloropropane	11.159	76	132157	56.160	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	263133	304.296	ug/l	99
59) 2-Hexanone	11.194	43	321084	290.158	ug/l	99
60) Dibromochloromethane	11.359	129	102372	57.261	ug/l	99
61) 1,2-Dibromoethane	11.470	107	78903	55.473	ug/l	98
64) Tetrachloroethene	11.100	164	80488	51.506	ug/l	97
65) Chlorobenzene	11.888	112	225670	50.343	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	87978	52.796	ug/l	98
67) Ethyl Benzene	11.965	91	386894	53.956	ug/l	99
68) m/p-Xylenes	12.070	106	317096	112.511	ug/l	98
69) o-Xylene	12.394	106	145782	56.358	ug/l	100
70) Styrene	12.412	104	260792	59.027	ug/l	99
71) Bromoform	12.576	173	73884	53.039	ug/l #	99
73) Isopropylbenzene	12.694	105	373293	48.987	ug/l	100
74) N-amyl acetate	12.494	43	119388	46.828	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	114711	44.496	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	113386m	45.386	ug/l	
77) Bromobenzene	12.976	156	100250	47.181	ug/l	97
78) n-propylbenzene	13.035	91	443917	51.446	ug/l	100
79) 2-Chlorotoluene	13.123	91	281383	49.095	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	340956	52.995	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	40484	42.843	ug/l	92
82) 4-Chlorotoluene	13.217	91	295029	50.057	ug/l	99
83) tert-Butylbenzene	13.435	119	265994	48.341	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	347644	53.574	ug/l	100
85) sec-Butylbenzene	13.617	105	372684	51.919	ug/l	99
86) p-Isopropyltoluene	13.729	119	322242	53.032	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	188702	49.269	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	184771	45.917	ug/l	99
89) n-Butylbenzene	14.053	91	244714	49.455	ug/l	99
90) Hexachloroethane	14.335	117	64371	45.911	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	181781	47.744	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	24548	47.702	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	83568	43.652	ug/l	97
94) Hexachlorobutadiene	15.500	225	46500	41.866	ug/l	98
95) Naphthalene	15.641	128	249688	45.041	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	84562	46.550	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086191.D
Acq On : 01 Apr 2025 12:30
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 01:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

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

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

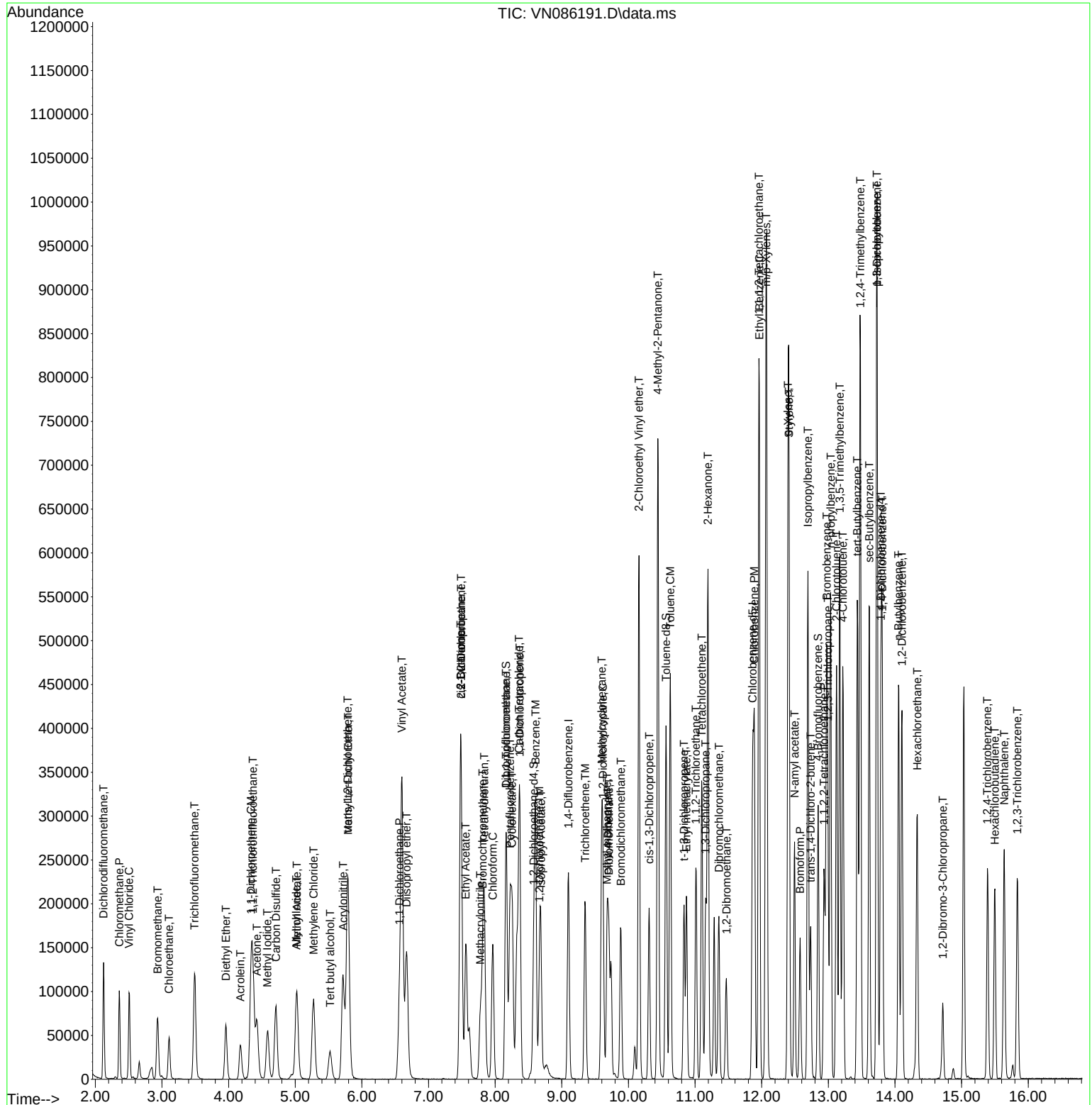
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\  
Data File : VN086191.D  
Acq On    : 01 Apr 2025  12:30  
Operator  : JC\MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 3    Sample Multiplier: 1
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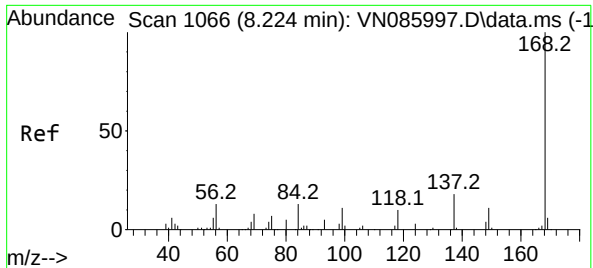
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

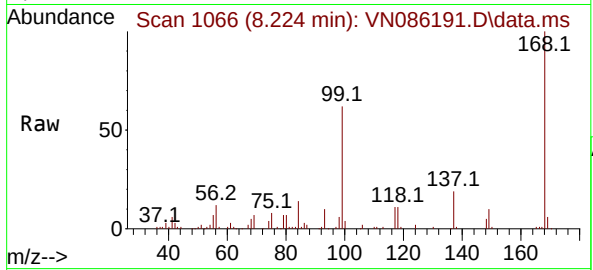
Quant Time: Apr 02 01:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

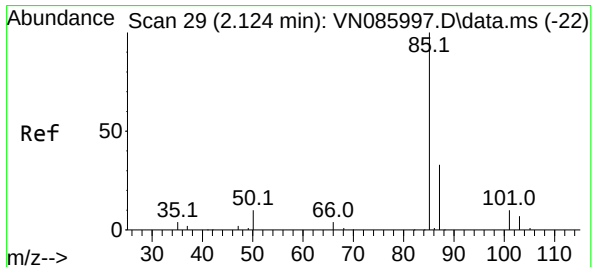
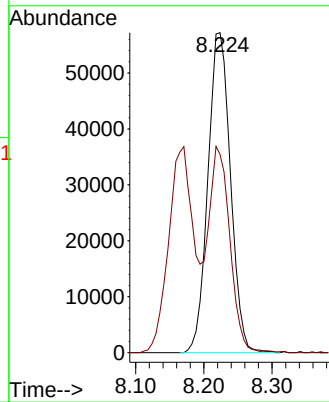
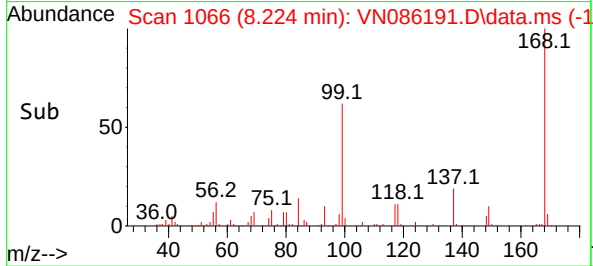
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 131862
Ion Ratio Lower Upper
168 100
99 61.7 49.4 74.2

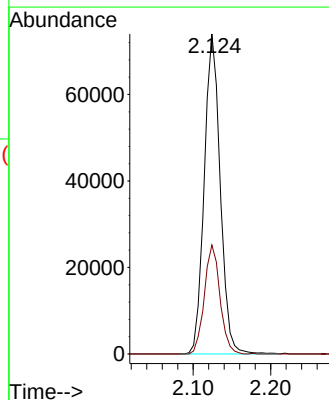
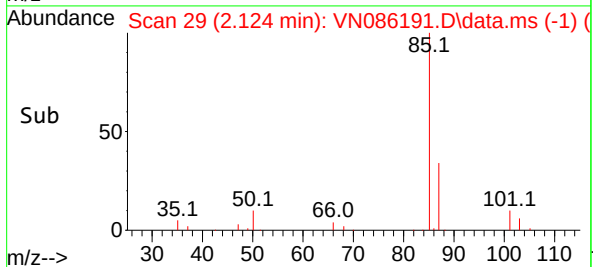
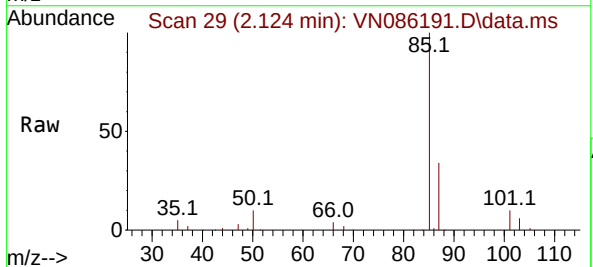
Manual Integrations
APPROVED

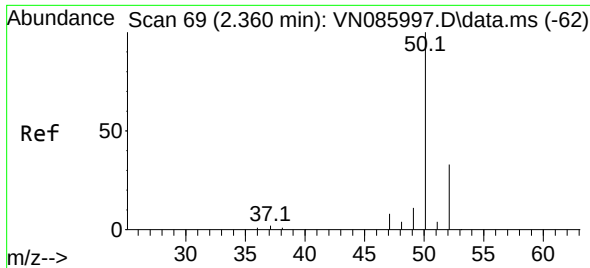
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#2
Dichlorodifluoromethane
Concen: 60.662 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion: 85 Resp: 105974
Ion Ratio Lower Upper
85 100
87 34.0 16.5 49.5





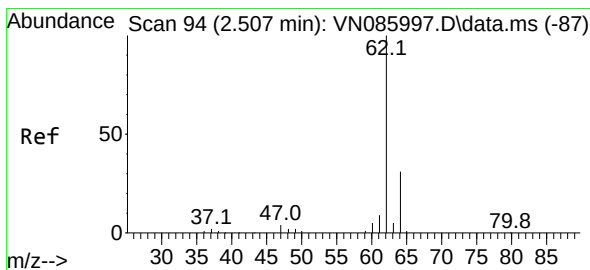
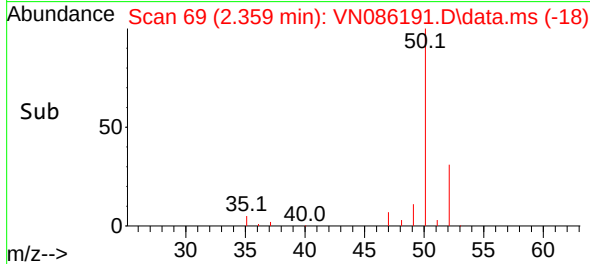
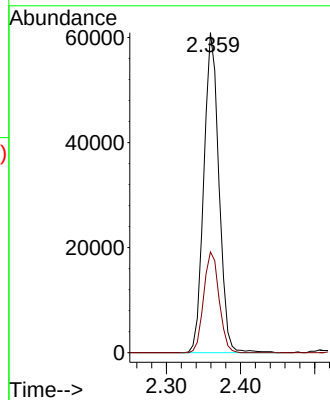
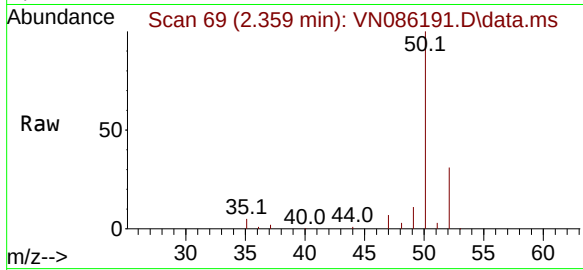
#3
Chloromethane
Concen: 56.350 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 8630
Ion Ratio Lower Upper
50 100
52 31.5 26.0 39.0

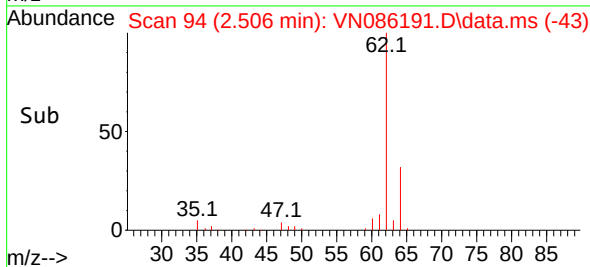
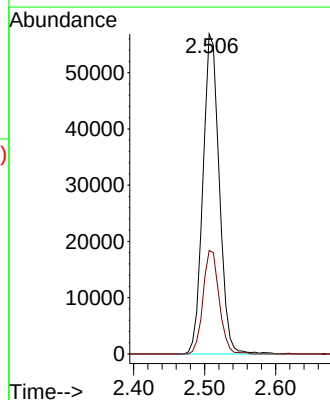
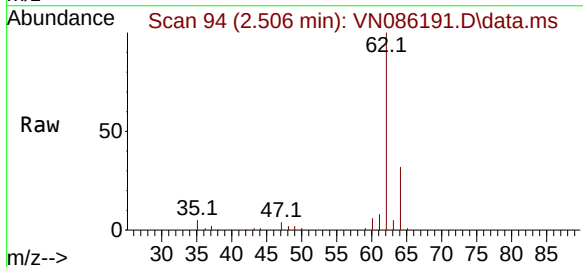
Manual Integrations
APPROVED

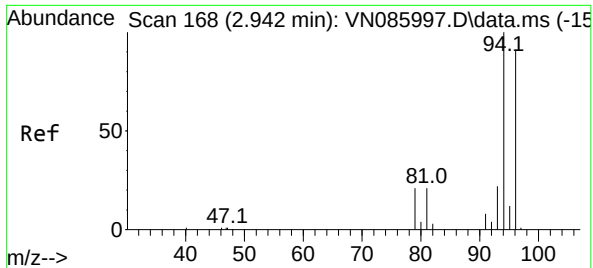
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#4
Vinyl Chloride
Concen: 58.261 ug/l
RT: 2.506 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion: 62 Resp: 91233
Ion Ratio Lower Upper
62 100
64 32.3 25.2 37.8





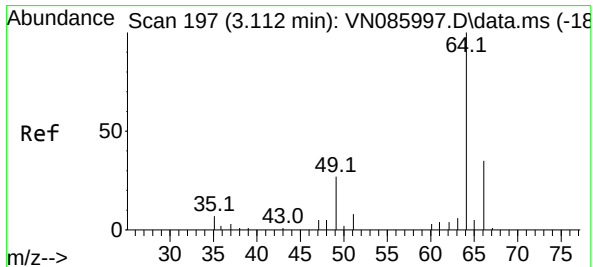
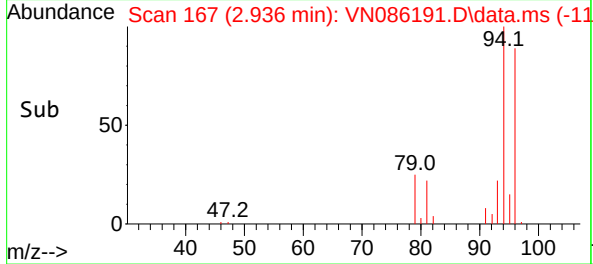
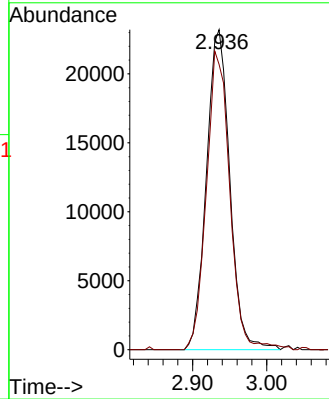
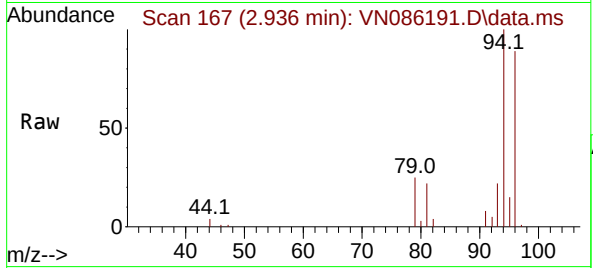
#5
Bromomethane
Concen: 47.678 ug/l
RT: 2.936 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 50850
Ion Ratio Lower Upper
94 100
96 89.1 72.8 109.2

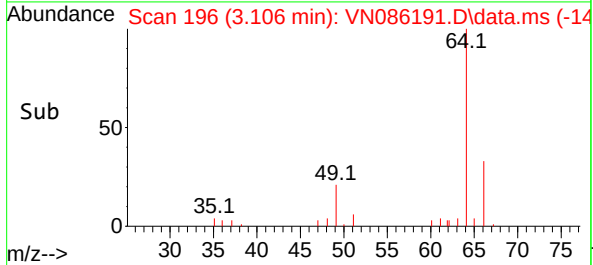
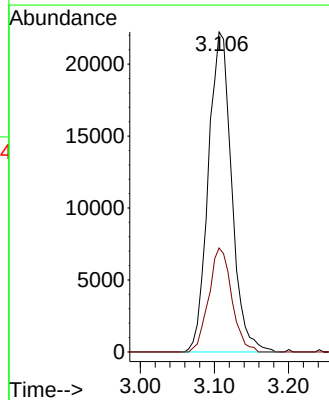
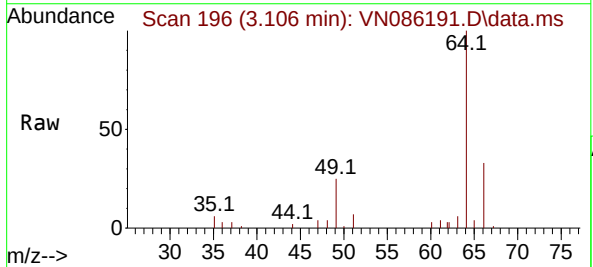
Manual Integrations
APPROVED

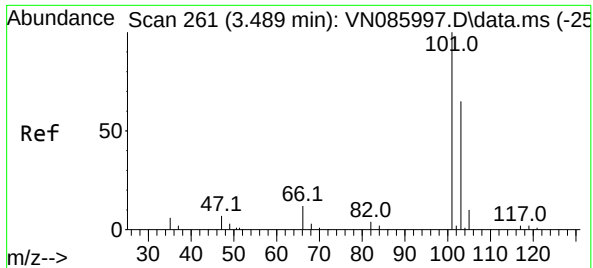
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#6
Chloroethane
Concen: 49.119 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

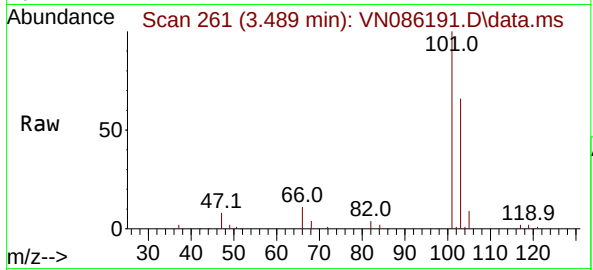
Tgt Ion: 64 Resp: 48523
Ion Ratio Lower Upper
64 100
66 32.5 28.3 42.5





#7
Trichlorofluoromethane
Concen: 49.782 ug/l
RT: 3.489 min Scan# 261
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

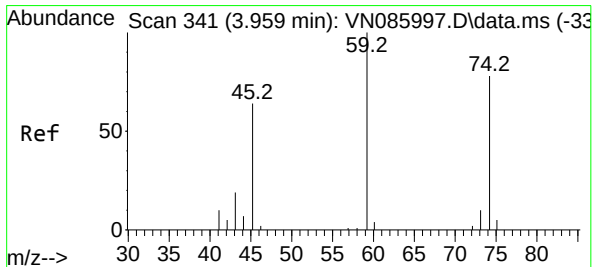
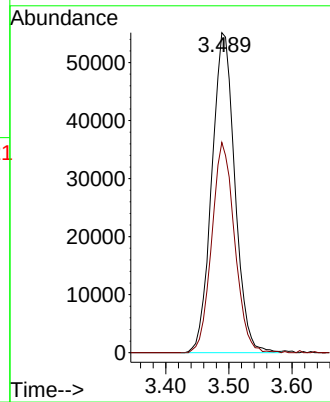
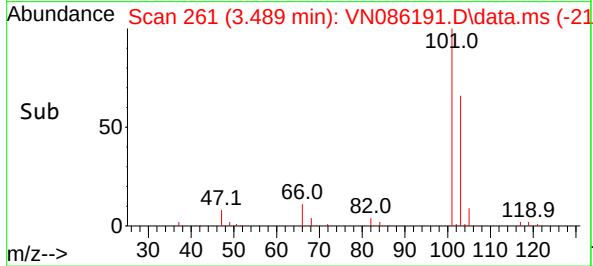
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 140135
Ion Ratio Lower Upper
101 100
103 65.7 51.7 77.5

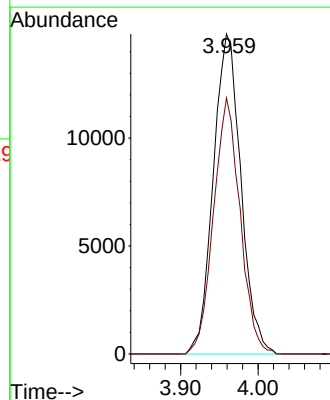
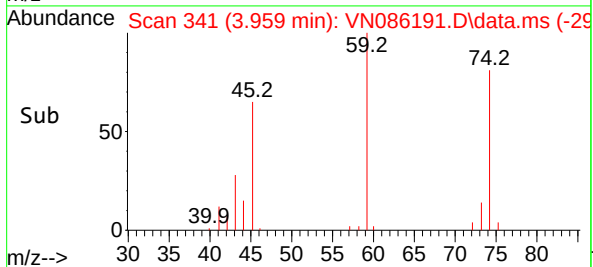
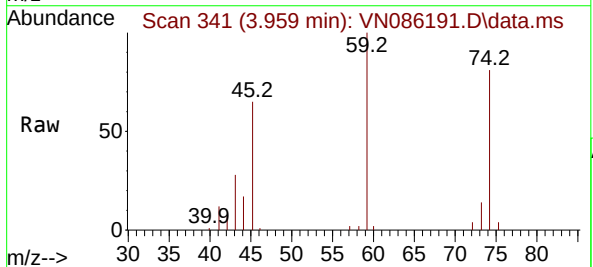
Manual Integrations
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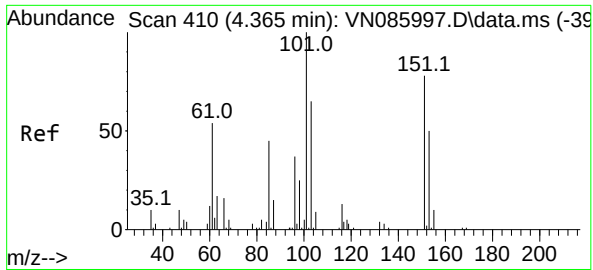
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#8
Diethyl Ether
Concen: 42.596 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion: 74 Resp: 36707
Ion Ratio Lower Upper
74 100
45 76.7 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.277 ug/l

RT: 4.365 min Scan# 410

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:101 Resp: 70730

Ion Ratio Lower Upper

101 100

85 45.8 36.5 54.7

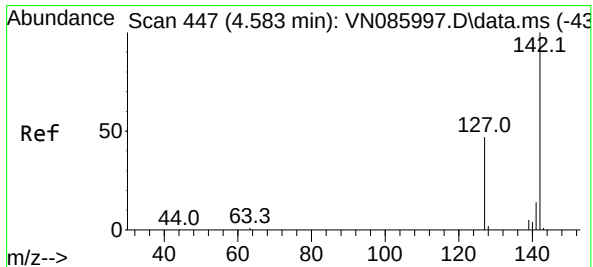
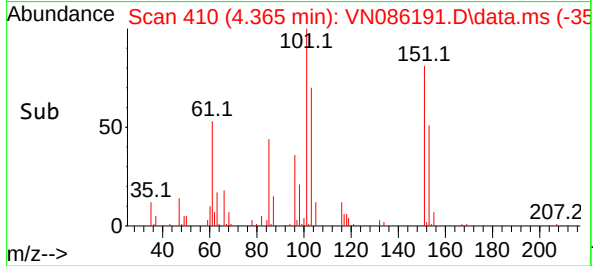
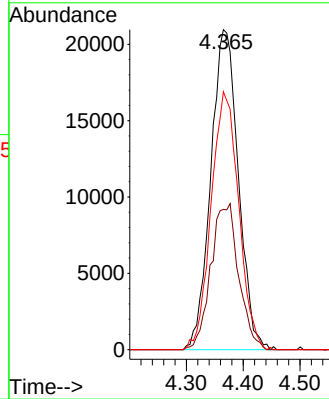
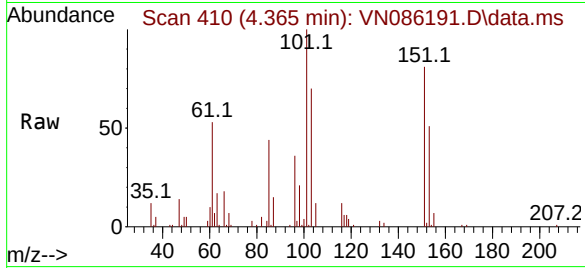
151 80.4 63.4 95.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#10

Methyl Iodide

Concen: 48.417 ug/l

RT: 4.583 min Scan# 447

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

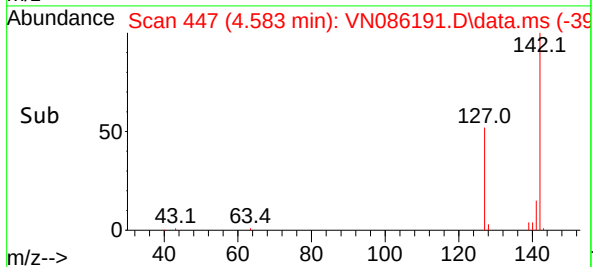
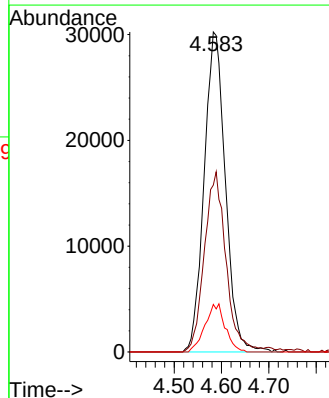
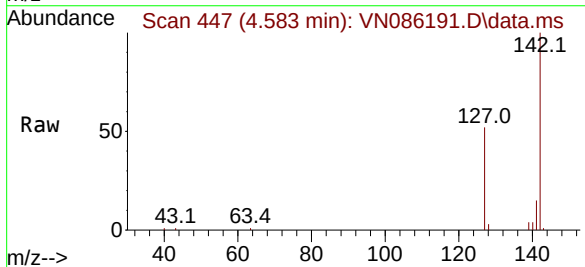
Tgt Ion:142 Resp: 94384

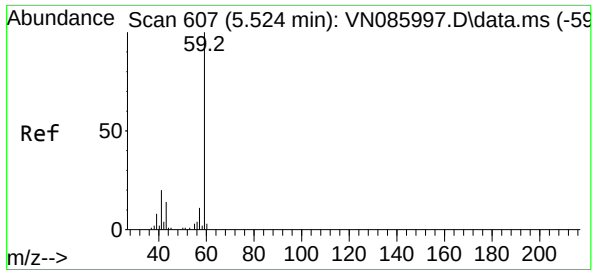
Ion Ratio Lower Upper

142 100

127 52.1 37.5 56.3

141 14.9 11.0 16.6





#11

Tert butyl alcohol

Concen: 219.694 ug/l

RT: 5.524 min Scan# 607

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 56164

Ion Ratio Lower Upper

59 100

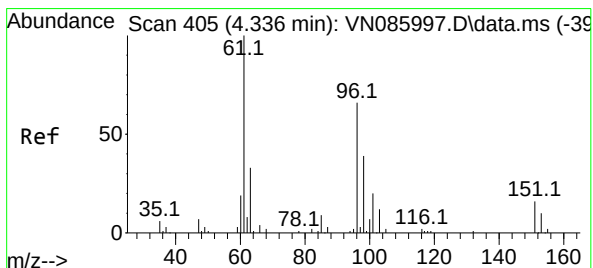
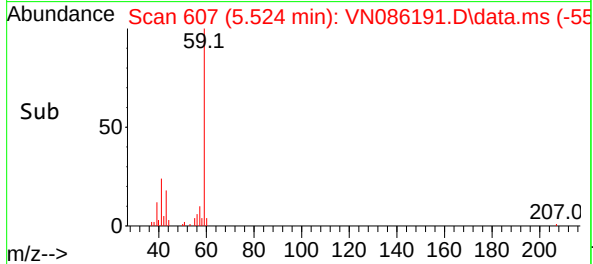
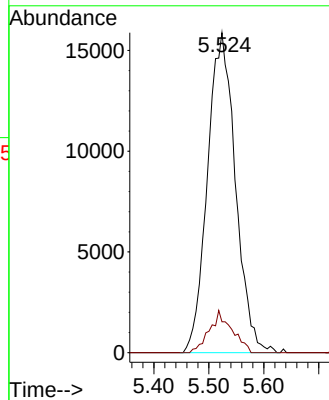
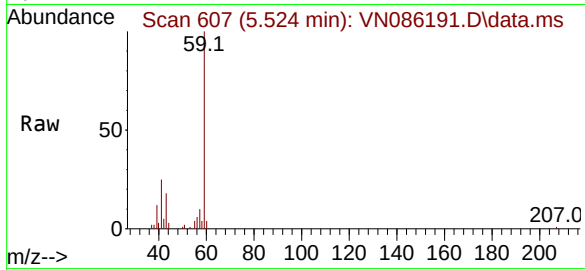
57 10.6 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#12

1,1-Dichloroethene

Concen: 46.789 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

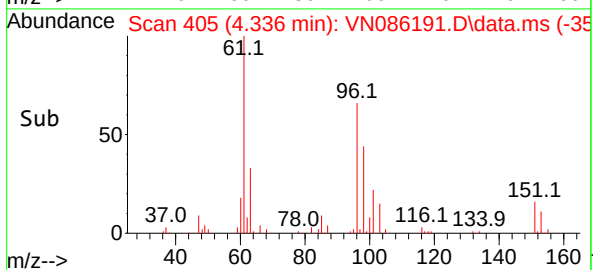
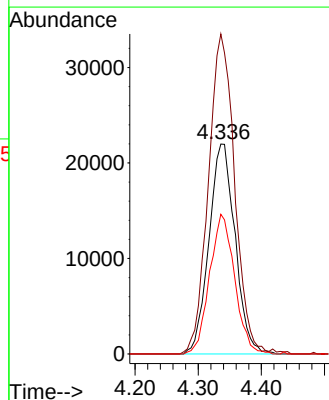
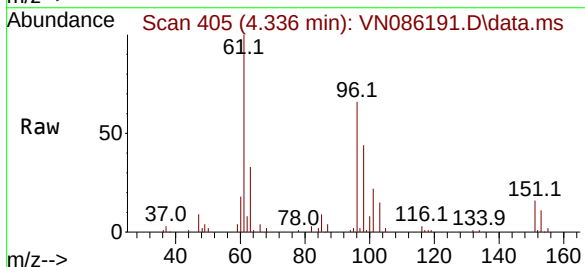
Tgt Ion: 96 Resp: 63208

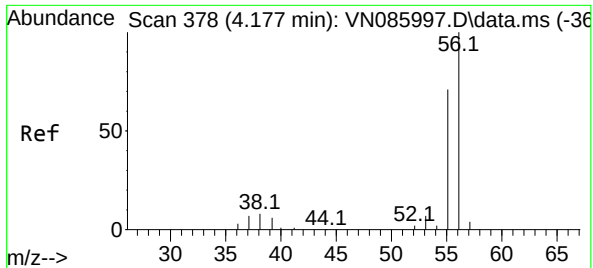
Ion Ratio Lower Upper

96 100

61 152.4 120.5 180.7

98 66.5 47.4 71.0





#13

Acrolein

Concen: 182.699 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 49810

Ion Ratio Lower Upper

56 100

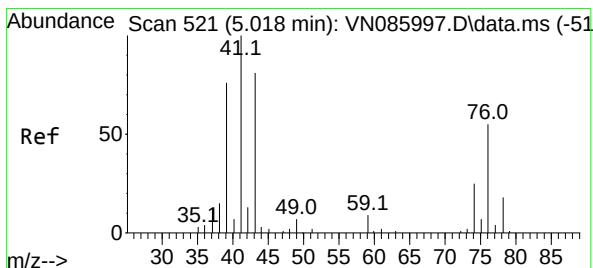
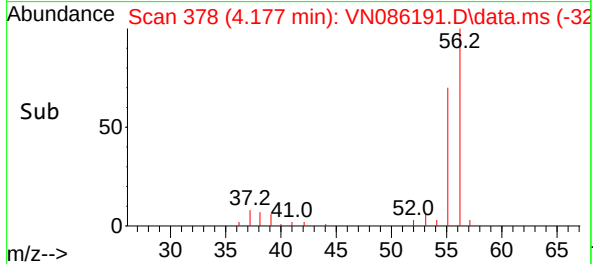
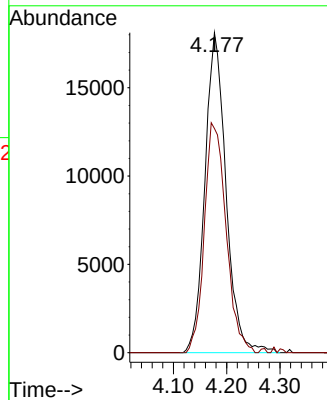
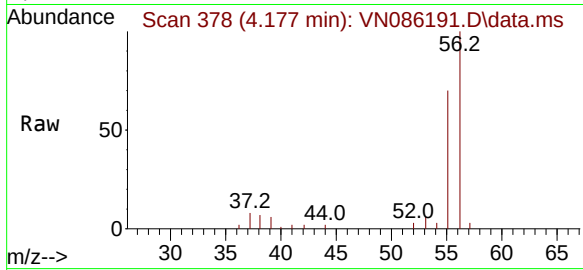
55 74.0 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#14

Allyl chloride

Concen: 40.294 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

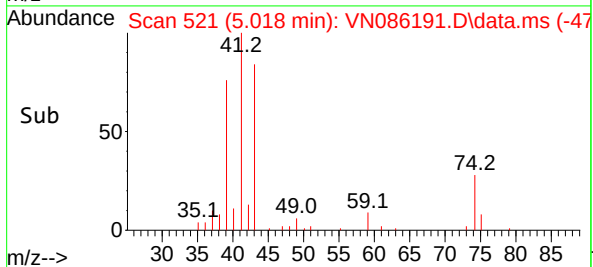
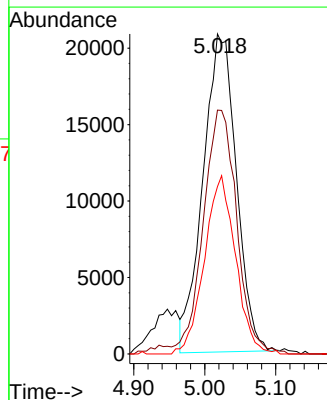
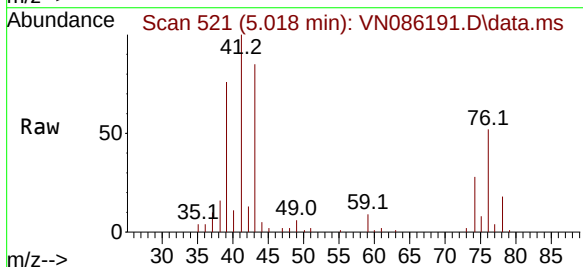
Tgt Ion: 41 Resp: 67909

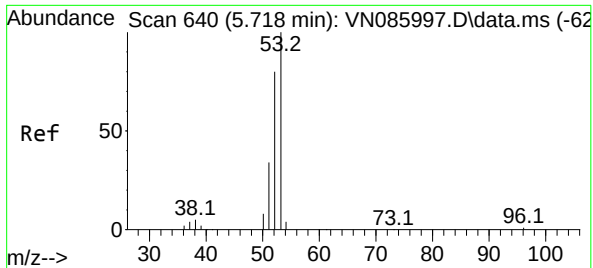
Ion Ratio Lower Upper

41 100

39 76.9 55.5 83.3

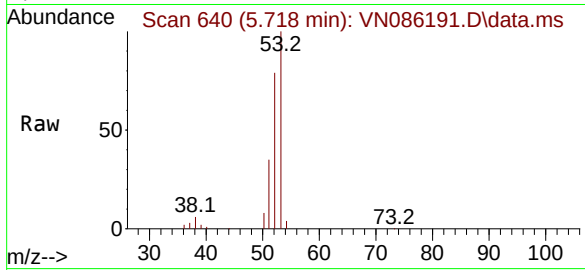
76 52.2 39.1 58.7





#15
Acrylonitrile
Concen: 235.861 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

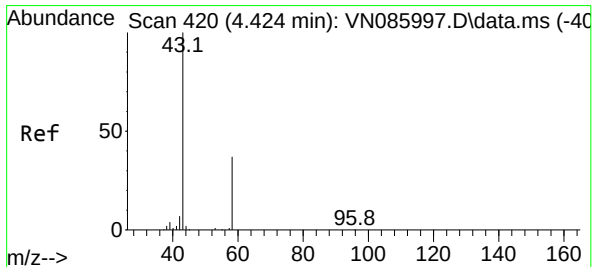
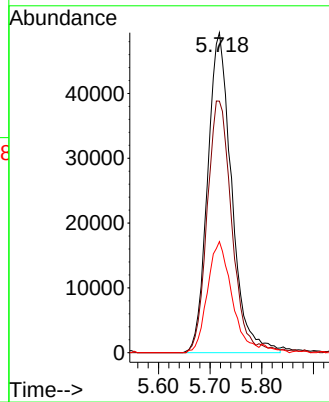
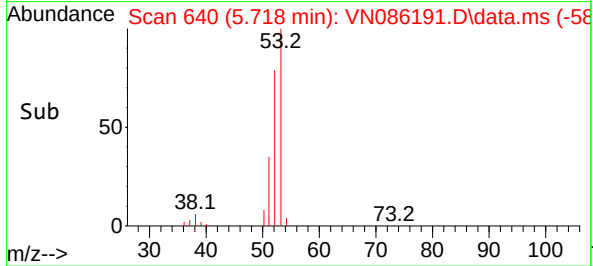
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 53 Resp: 159244
Ion Ratio Lower Upper
53 100
52 81.0 63.9 95.9
51 35.2 27.1 40.7

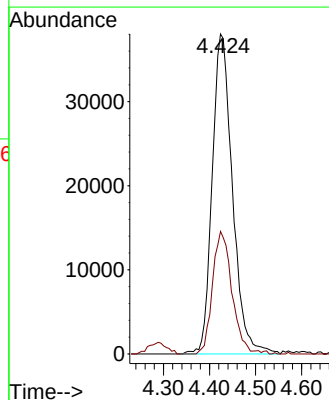
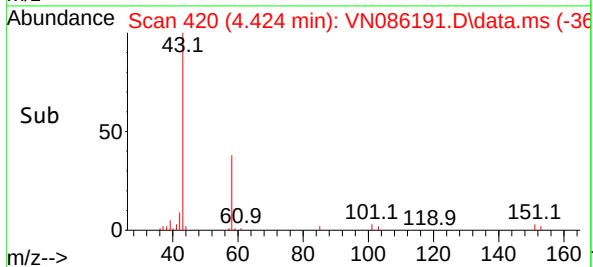
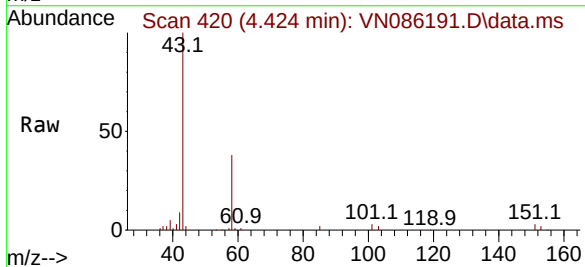
Manual Integrations
APPROVED

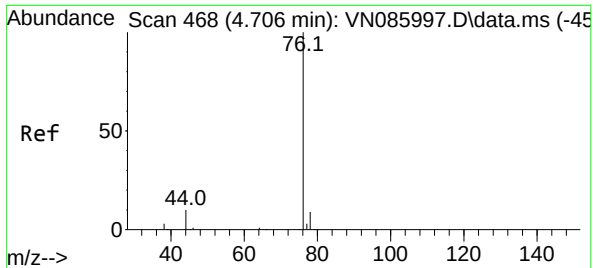
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#16
Acetone
Concen: 210.819 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion: 43 Resp: 116296
Ion Ratio Lower Upper
43 100
58 38.3 29.4 44.2





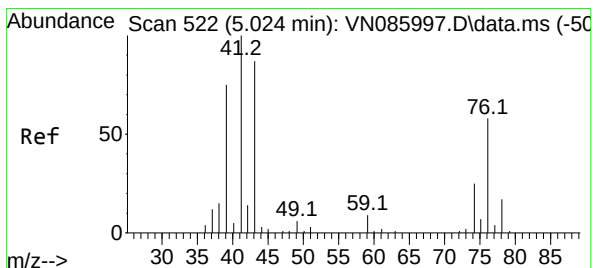
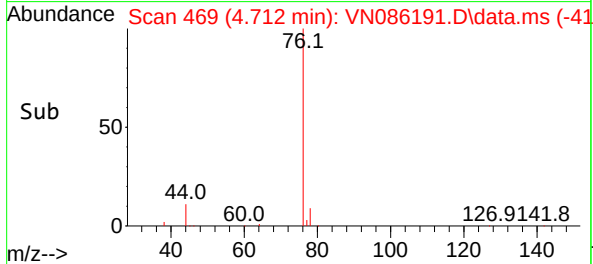
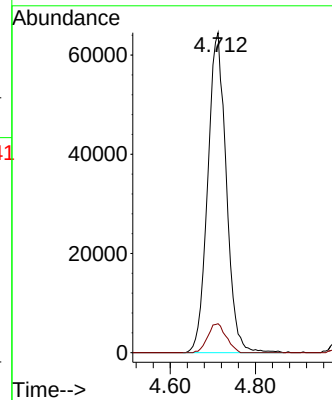
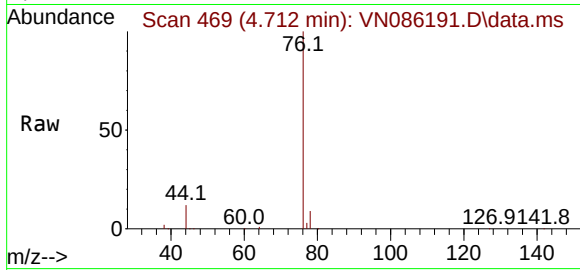
#17
Carbon Disulfide
Concen: 43.857 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 19484
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

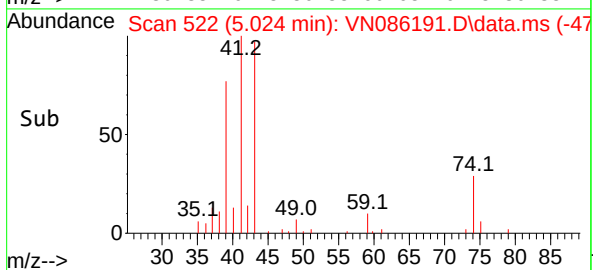
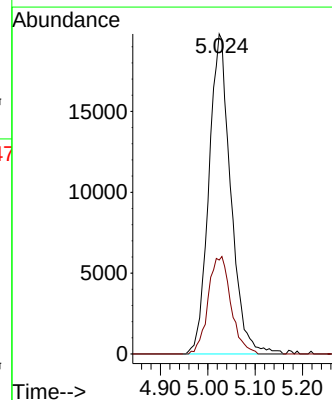
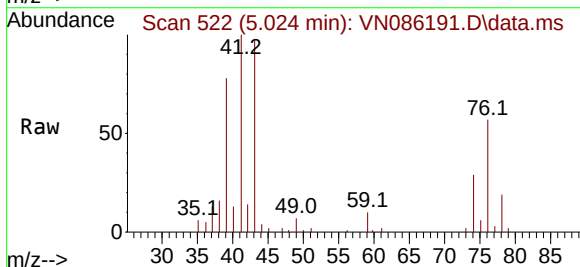
Manual Integrations
APPROVED

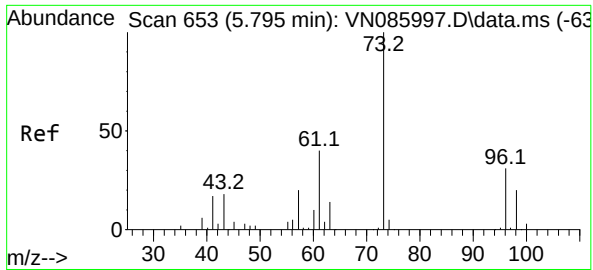
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#18
Methyl Acetate
Concen: 46.530 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion: 43 Resp: 63507
Ion Ratio Lower Upper
43 100
74 31.8 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 49.233 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 21794

Ion Ratio Lower Upper

73 100

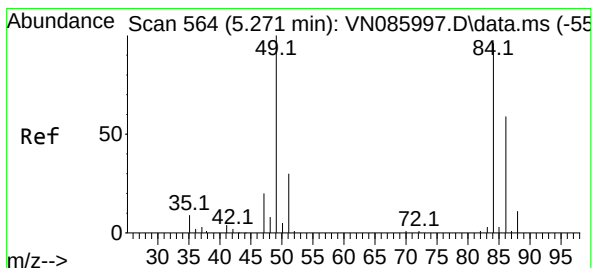
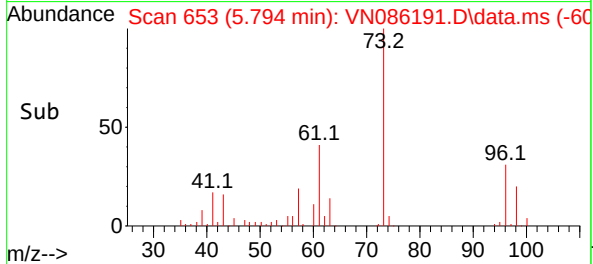
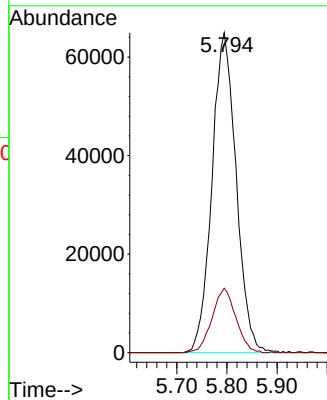
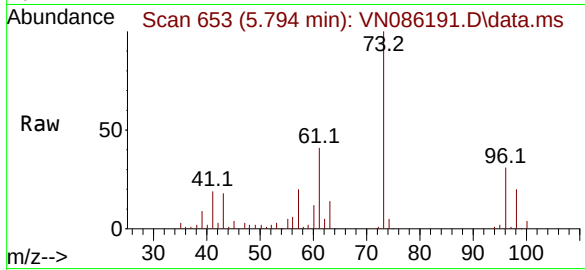
57 20.2 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#20

Methylene Chloride

Concen: 48.030 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Tgt Ion: 84 Resp: 77510

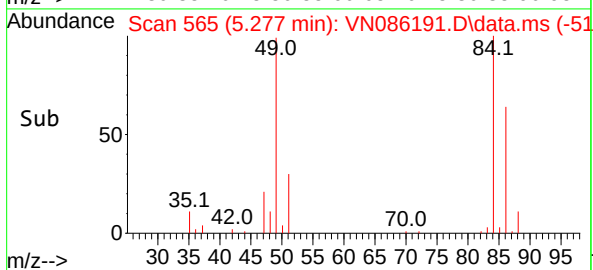
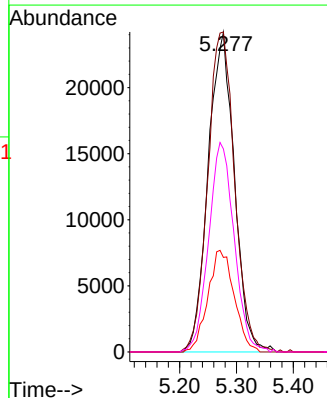
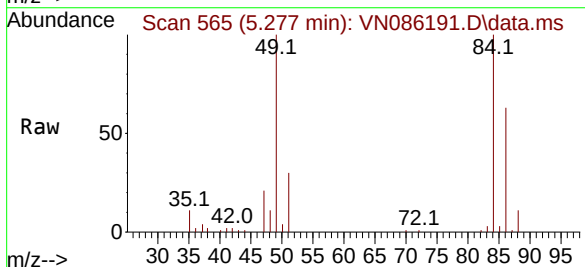
Ion Ratio Lower Upper

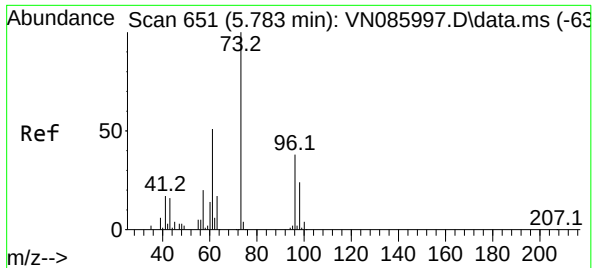
84 100

49 100.1 83.3 124.9

51 29.6 24.8 37.2

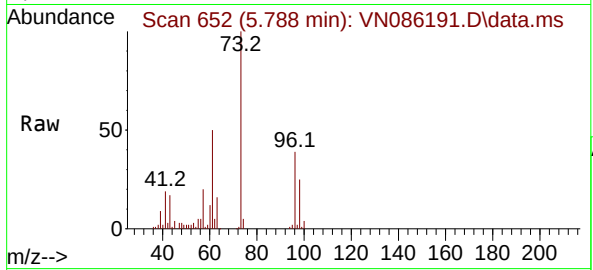
86 63.5 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 49.791 ug/l
RT: 5.788 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

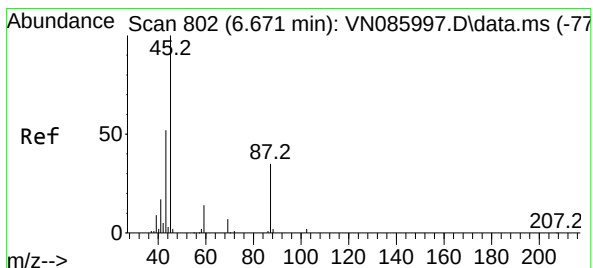
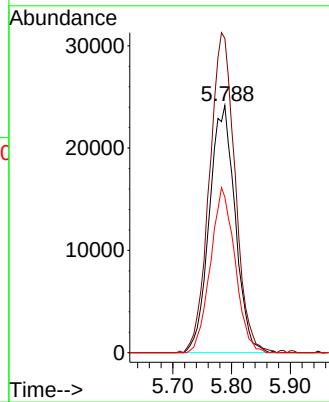
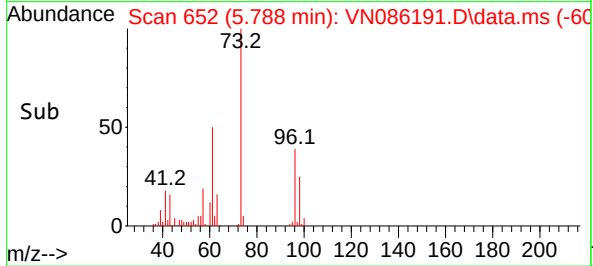
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 73509
Ion Ratio Lower Upper
96 100
61 126.5 106.6 160.0
98 63.0 50.0 75.0

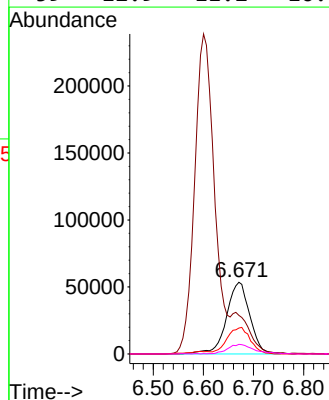
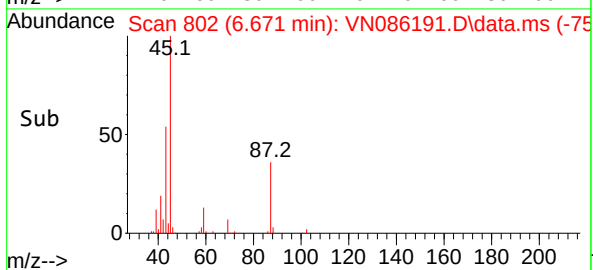
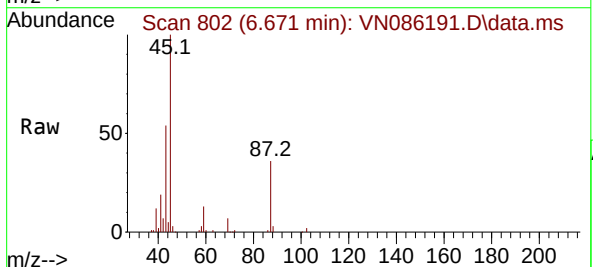
Manual Integrations
APPROVED

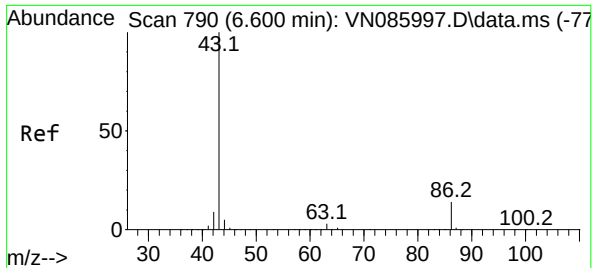
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#22
Diisopropyl ether
Concen: 47.921 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion: 45 Resp: 172108
Ion Ratio Lower Upper
45 100
43 52.4 41.2 61.8
87 36.2 28.5 42.7
59 12.9 11.2 16.8





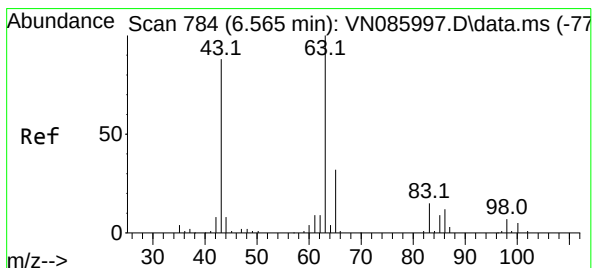
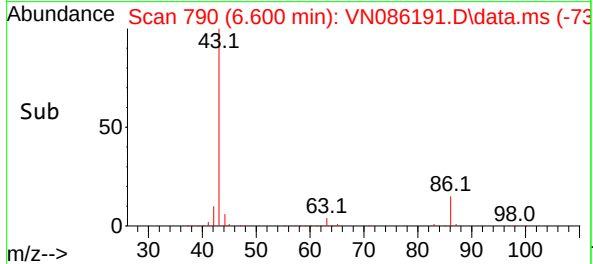
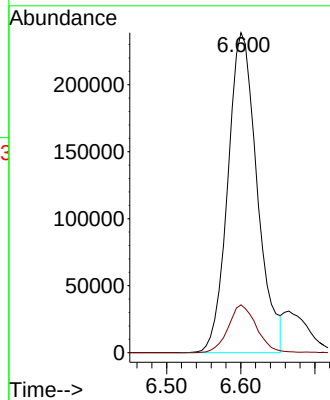
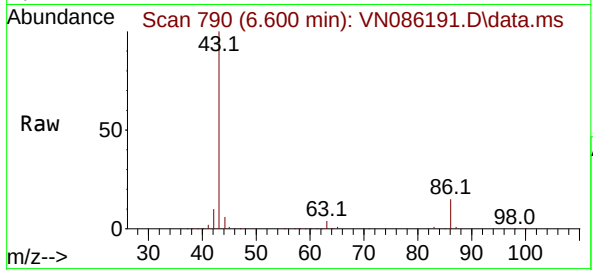
#23
Vinyl Acetate
Concen: 241.172 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 65660
Ion Ratio Lower Upper
43 100
86 15.0 11.2 16.8

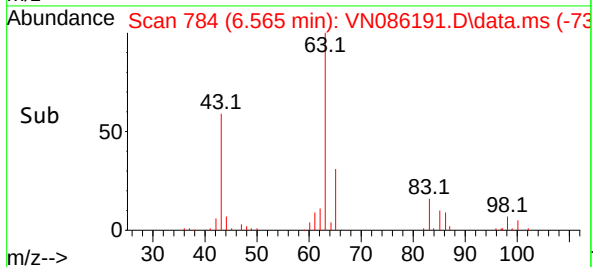
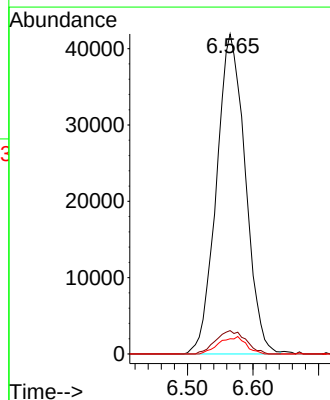
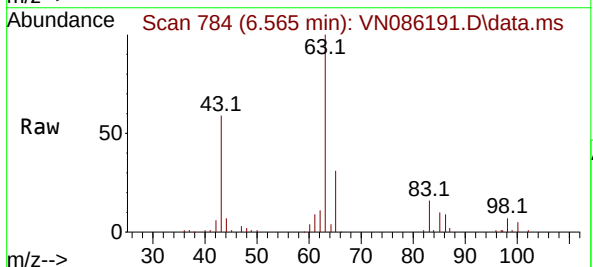
Manual Integrations
APPROVED

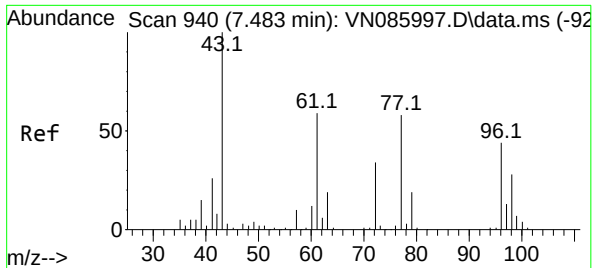
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#24
1,1-Dichloroethane
Concen: 48.404 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion: 63 Resp: 127834
Ion Ratio Lower Upper
63 100
98 7.3 3.6 10.9
100 4.8 2.5 7.5





#25

2-Butanone

Concen: 233.461 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 18583

Ion Ratio Lower Upper

43 100

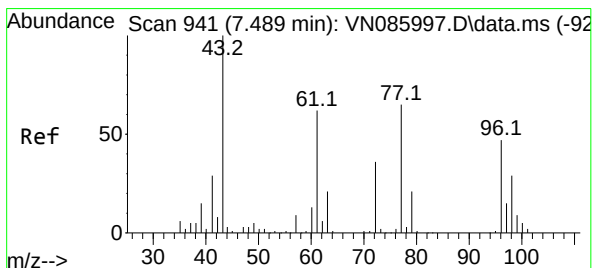
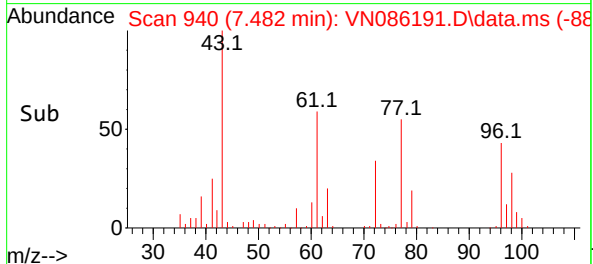
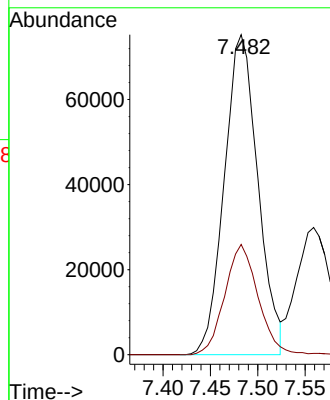
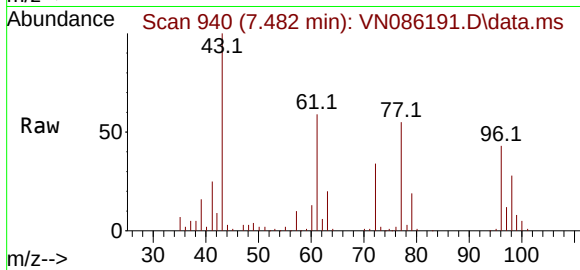
72 34.5 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#26

2,2-Dichloropropane

Concen: 47.344 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN086191.D

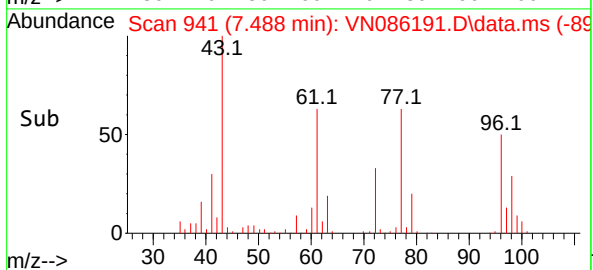
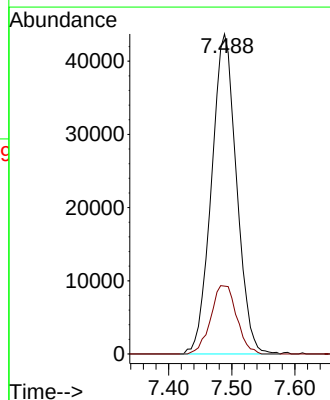
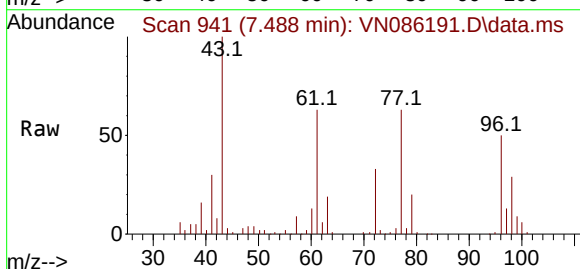
Acq: 01 Apr 2025 12:30

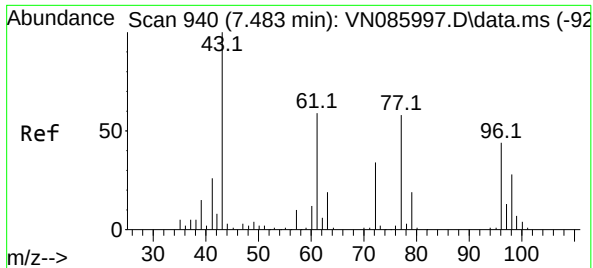
Tgt Ion: 77 Resp: 120377

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 51.224 ug/l

RT: 7.488 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 85938

Ion Ratio Lower Upper

96 100

61 133.2 0.0 272.8

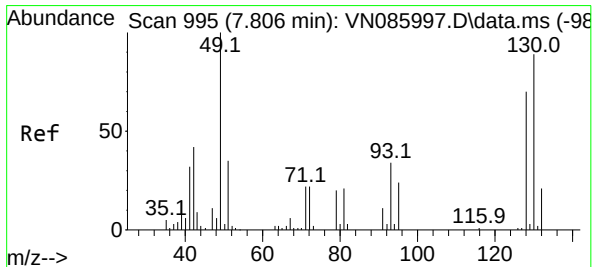
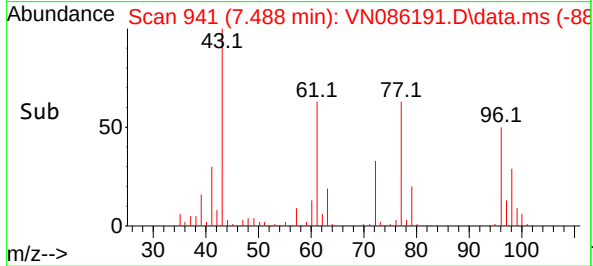
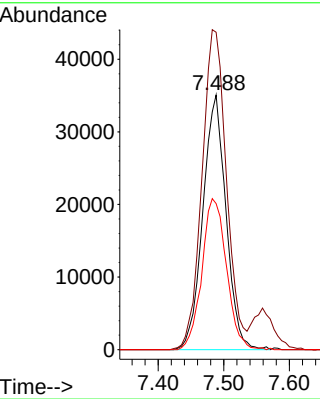
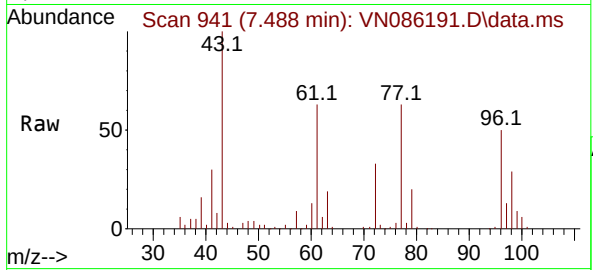
98 63.2 0.0 124.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#28

Bromochloromethane

Concen: 48.515 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

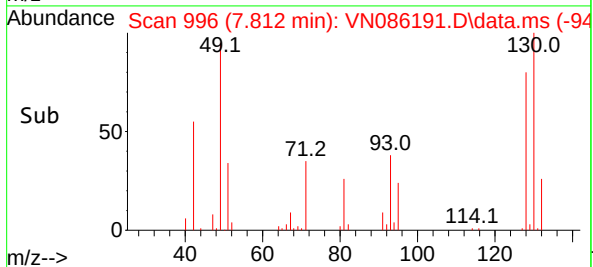
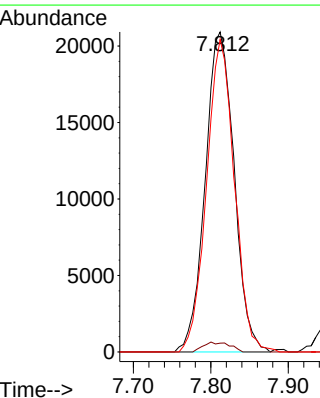
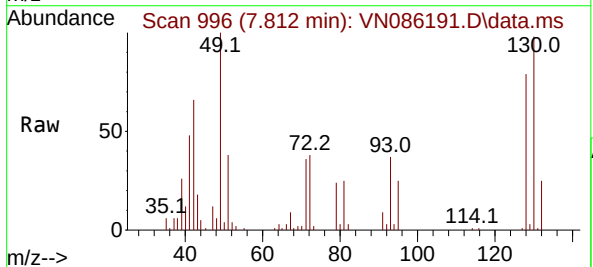
Tgt Ion: 49 Resp: 54285

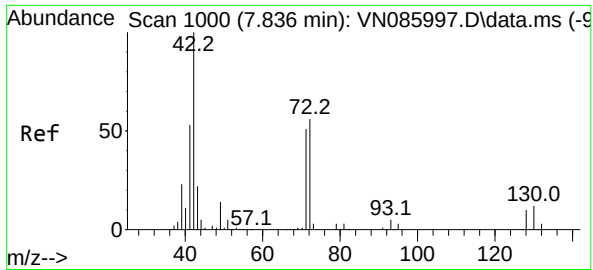
Ion Ratio Lower Upper

49 100

129 2.8 0.0 4.2

130 93.9 74.2 111.4





#29

Tetrahydrofuran

Concen: 253.767 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 124704

Ion Ratio Lower Upper

42 100

72 58.6 45.0 67.4

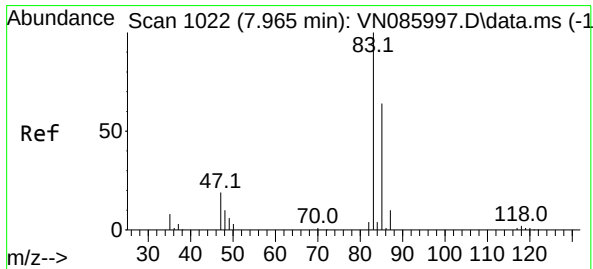
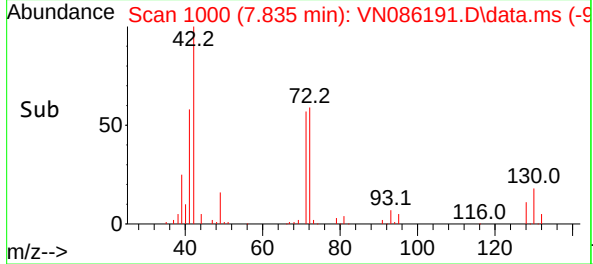
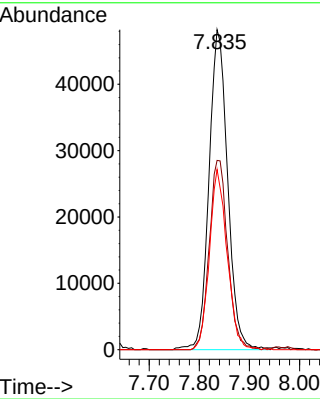
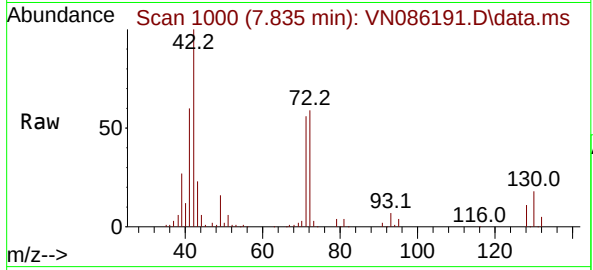
71 53.4 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#30

Chloroform

Concen: 51.821 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086191.D

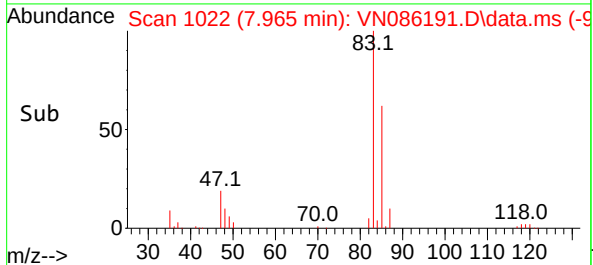
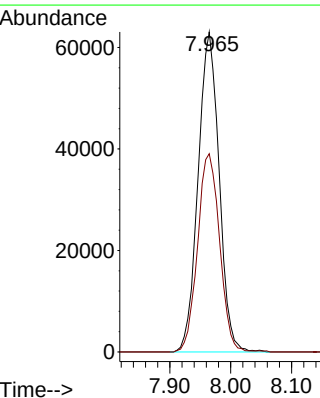
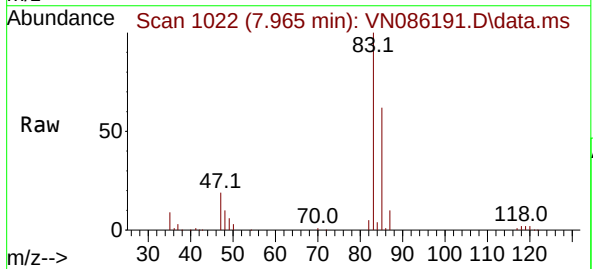
Acq: 01 Apr 2025 12:30

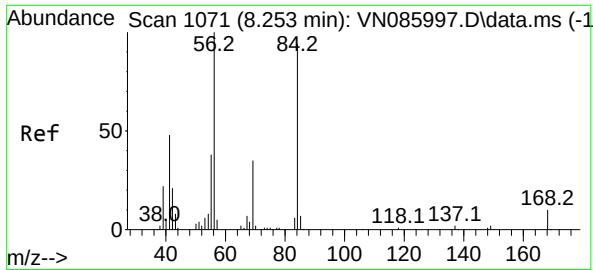
Tgt Ion: 83 Resp: 151272

Ion Ratio Lower Upper

83 100

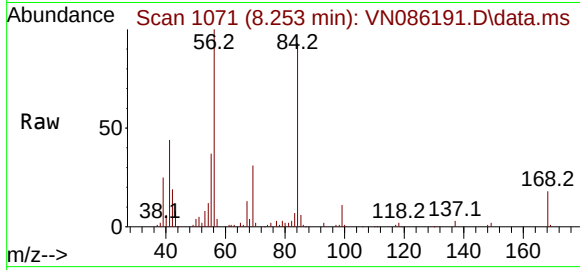
85 61.9 51.5 77.3





#31
Cyclohexane
Concen: 46.757 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

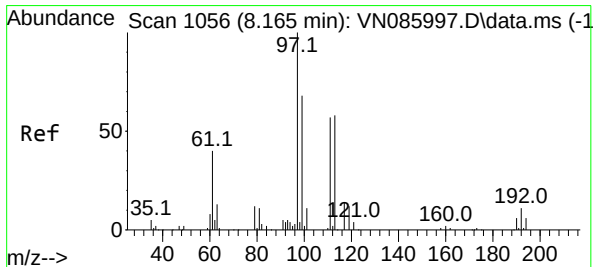
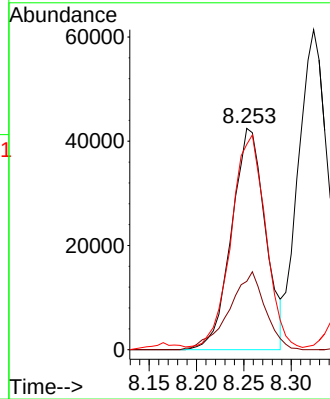
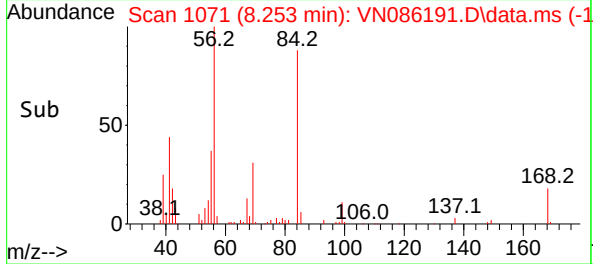
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



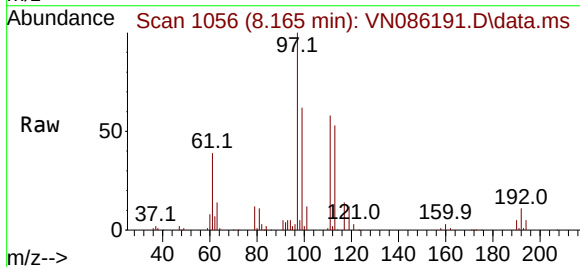
Tgt Ion: 56 Resp: 105197
Ion Ratio Lower Upper
56 100
69 30.9 28.0 42.0
84 90.8 75.0 112.6

Manual Integrations
APPROVED

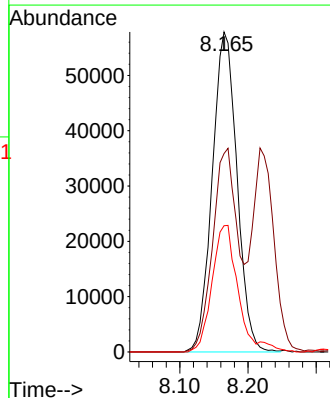
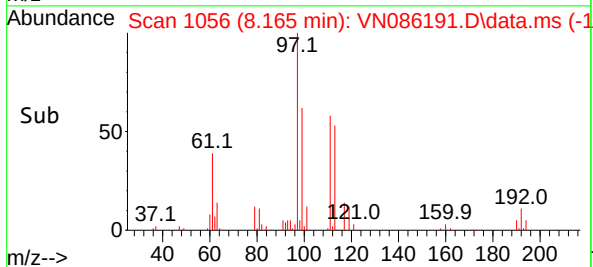
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

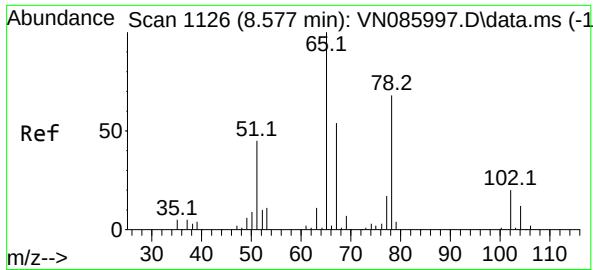


#32
1,1,1-Trichloroethane
Concen: 52.943 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30



Tgt Ion: 97 Resp: 146295
Ion Ratio Lower Upper
97 100
99 63.6 52.8 79.2
61 41.8 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 54.185 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 97838

Ion Ratio Lower Upper

65 100

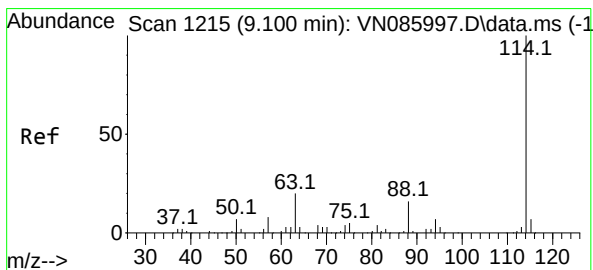
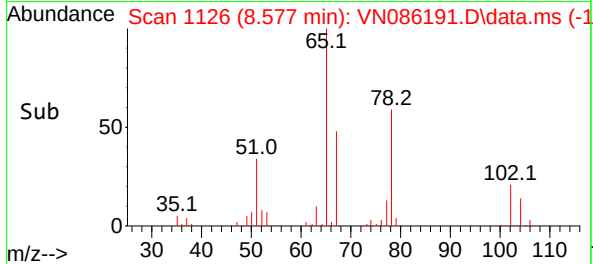
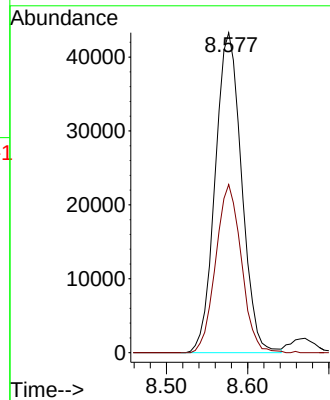
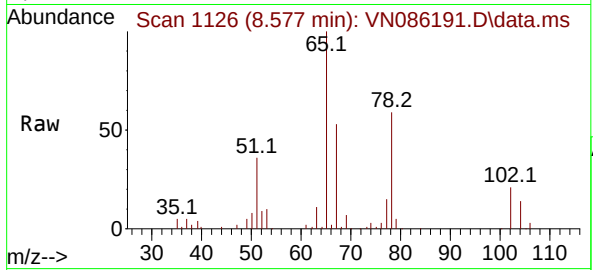
67 51.0 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

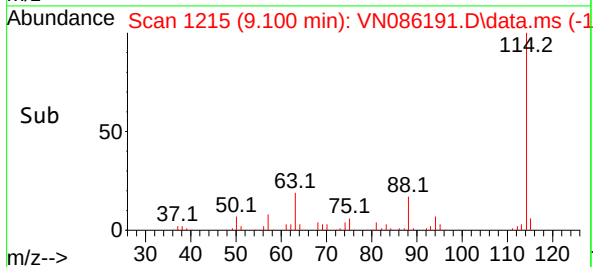
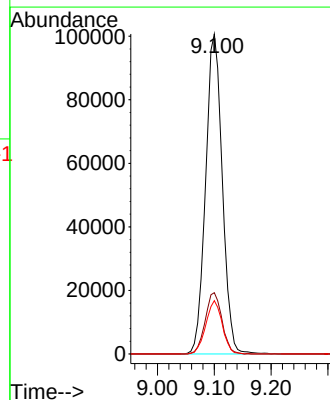
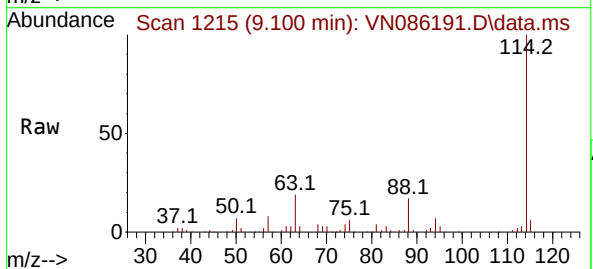
Tgt Ion:114 Resp: 204993

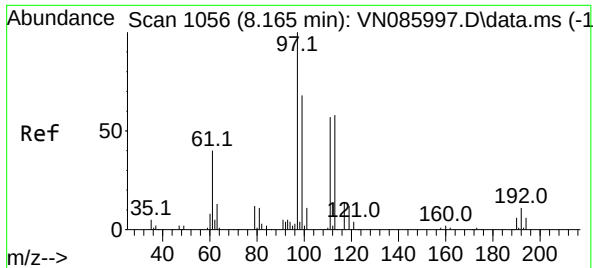
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.964 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

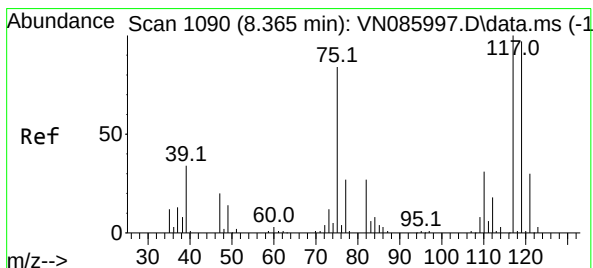
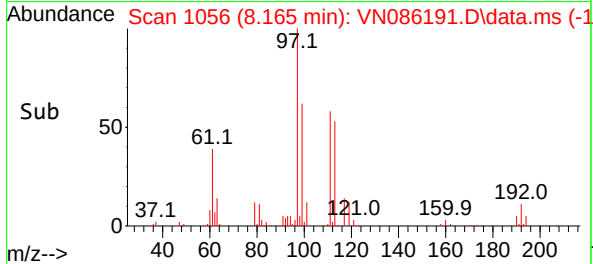
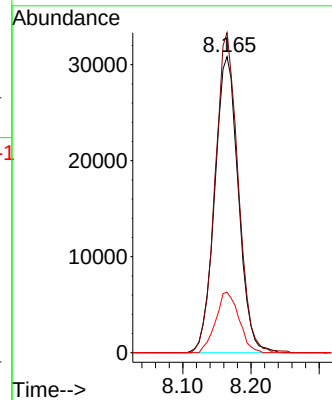
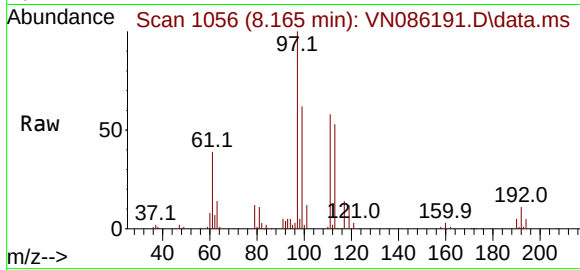
Tgt Ion:	113	Resp:	7435
Ion Ratio	Lower	Upper	
113	100		
111	105.3	81.8	122.8
192	20.1	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#36

1,1-Dichloropropene

Concen: 53.617 ug/l

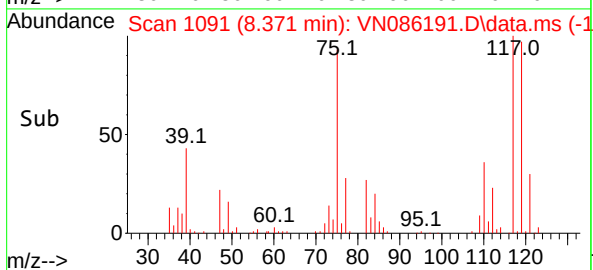
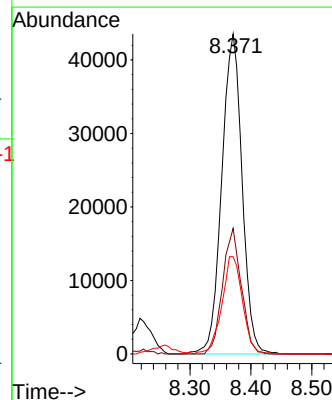
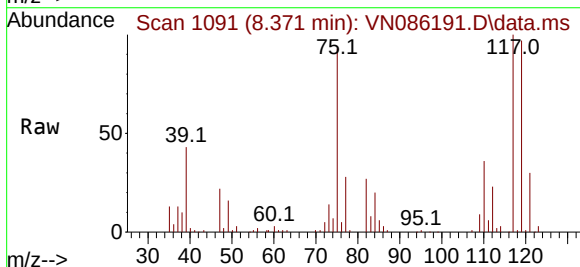
RT: 8.371 min Scan# 1091

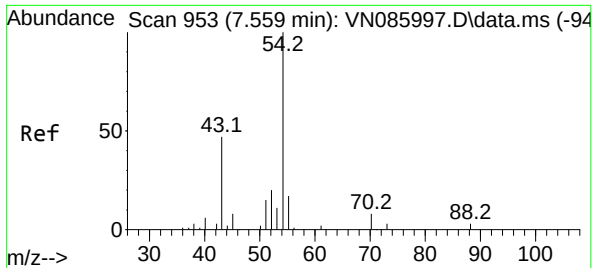
Delta R.T. 0.006 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Tgt Ion:	75	Resp:	101016
Ion Ratio	Lower	Upper	
75	100		
110	36.2	17.8	53.3
77	30.8	25.0	37.4





#37

Ethyl Acetate

Concen: 48.680 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 77375

Ion Ratio Lower Upper

43 100

61 16.2 13.0 19.4

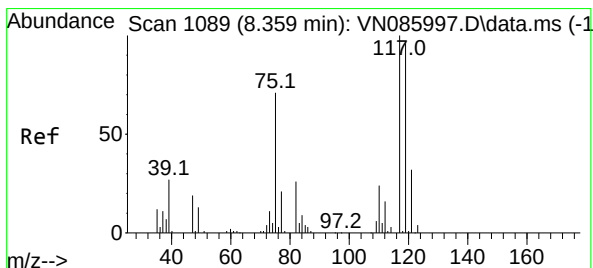
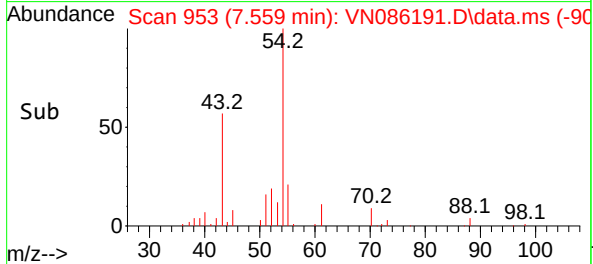
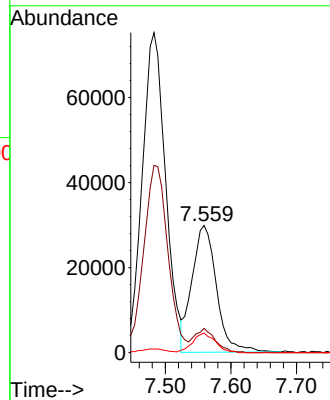
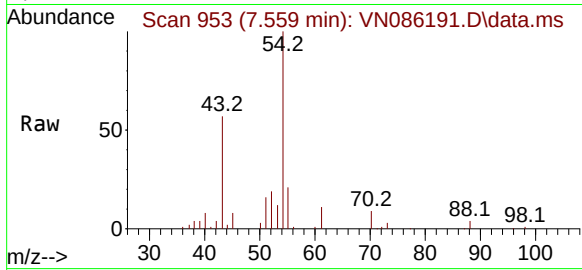
70 14.2 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#38

Carbon Tetrachloride

Concen: 57.173 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

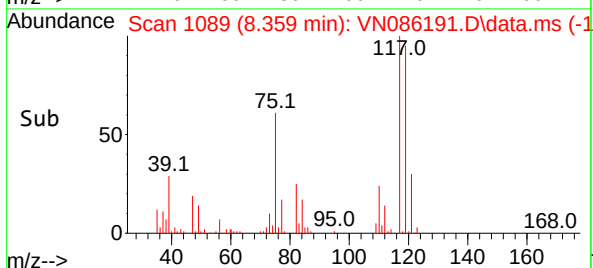
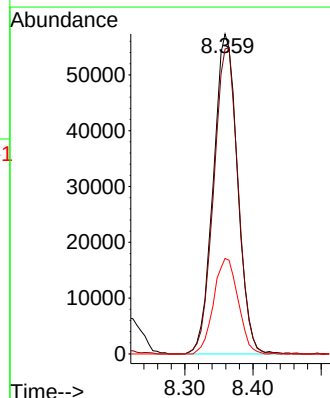
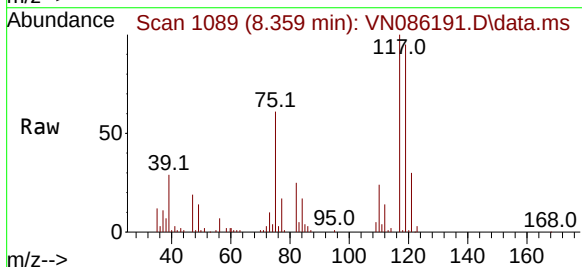
Tgt Ion:117 Resp: 141628

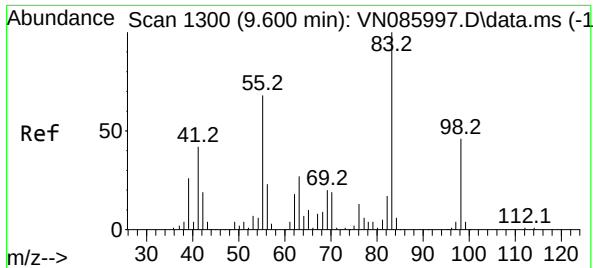
Ion Ratio Lower Upper

117 100

119 95.3 77.0 115.4

121 29.8 25.6 38.4





#39

Methylcyclohexane

Concen: 51.425 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 96125

Ion Ratio Lower Upper

83 100

55 75.2 54.2 81.2

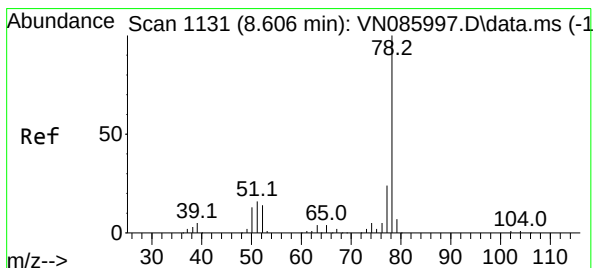
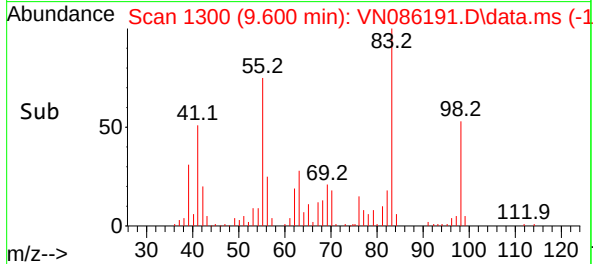
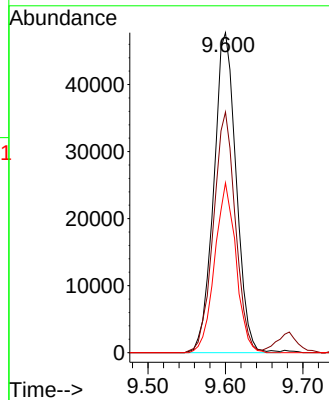
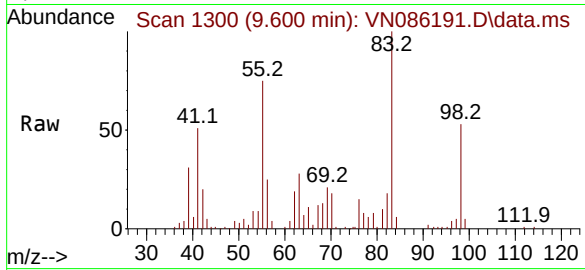
98 53.1 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#40

Benzene

Concen: 53.684 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN086191.D

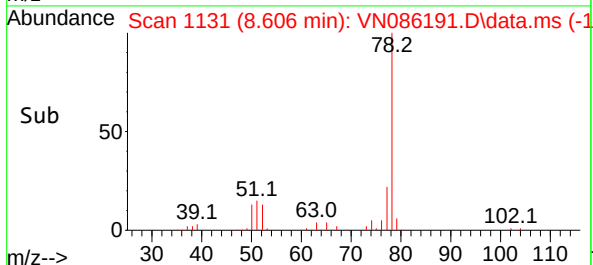
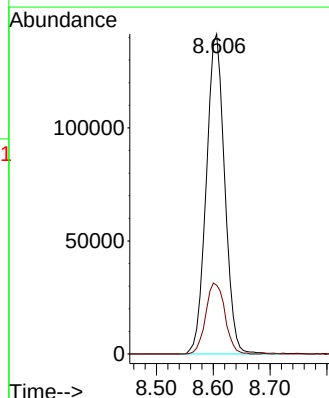
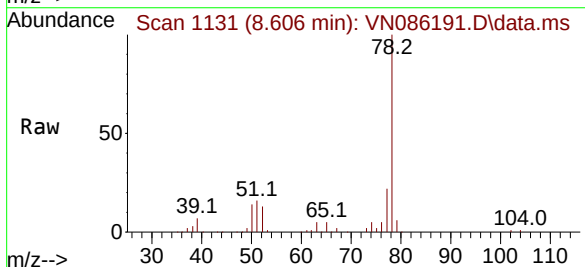
Acq: 01 Apr 2025 12:30

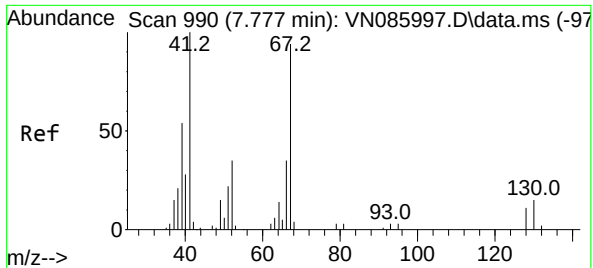
Tgt Ion: 78 Resp: 317513

Ion Ratio Lower Upper

78 100

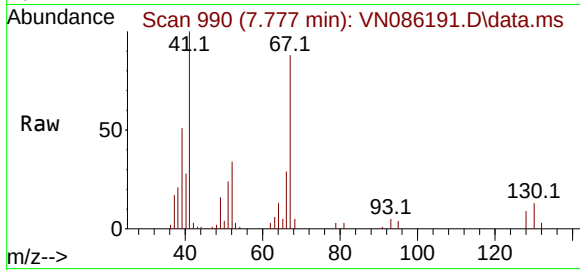
77 21.5 18.9 28.3





#41
Methacrylonitrile
Concen: 54.310 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

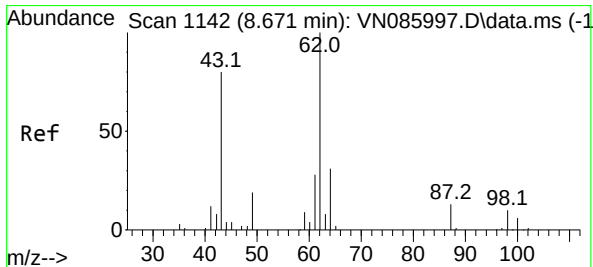
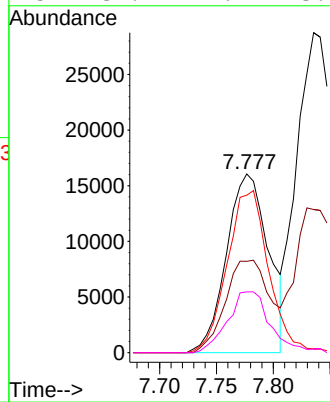
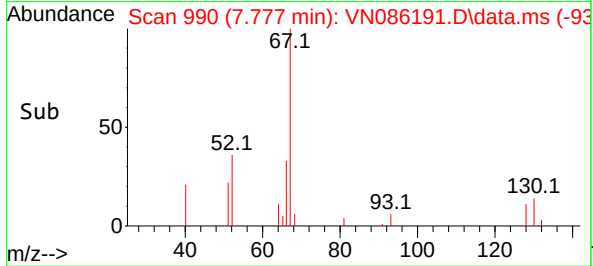
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 41220
Ion Ratio Lower Upper
41 100
39 55.1 46.2 69.2
67 89.9 75.9 113.9
52 34.7 29.2 43.8

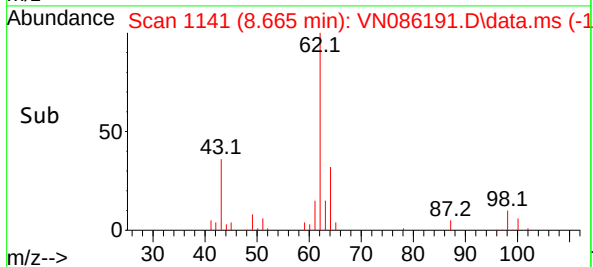
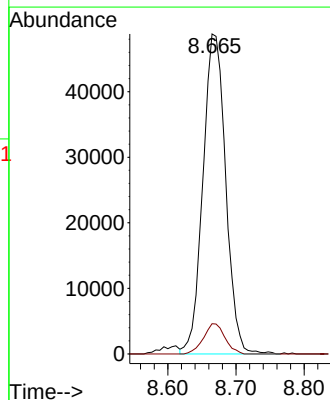
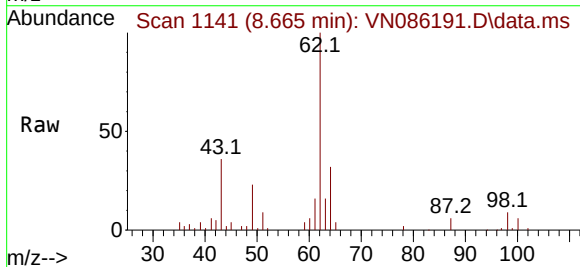
Manual Integrations
APPROVED

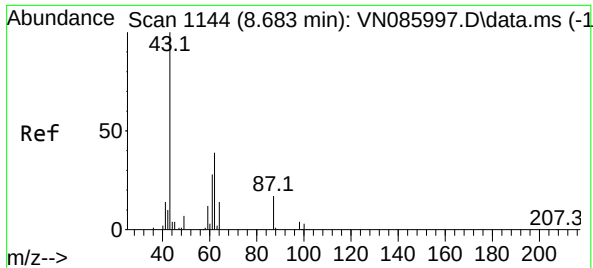
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#42
1,2-Dichloroethane
Concen: 55.093 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

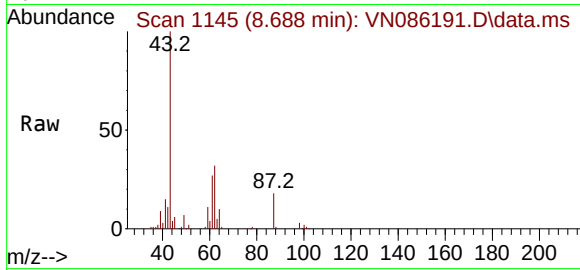
Tgt Ion: 62 Resp: 113538
Ion Ratio Lower Upper
62 100
98 8.9 0.0 18.6





#43
Isopropyl Acetate
Concen: 39.330 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

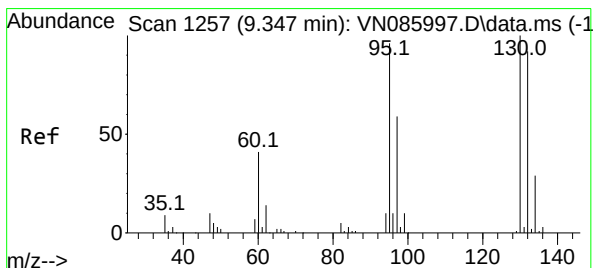
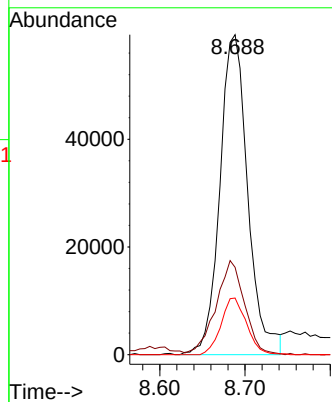
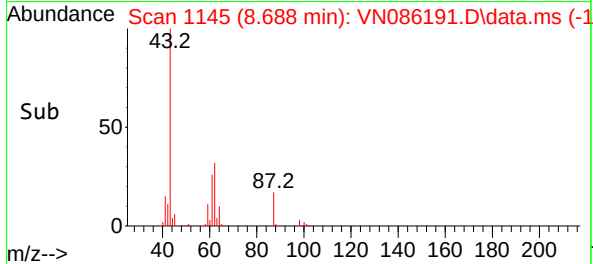
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 13546
Ion Ratio Lower Upper
43 100
61 30.2 25.0 37.6
87 16.2 13.0 19.4

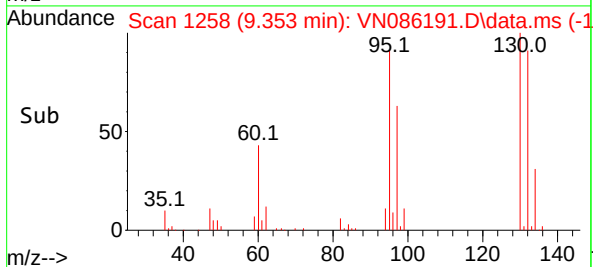
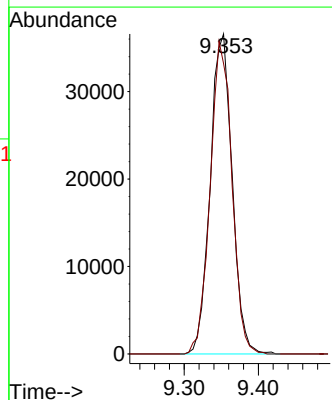
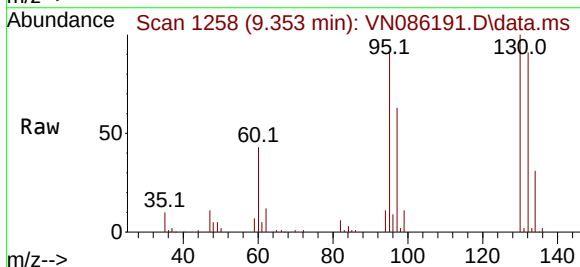
Manual Integrations
APPROVED

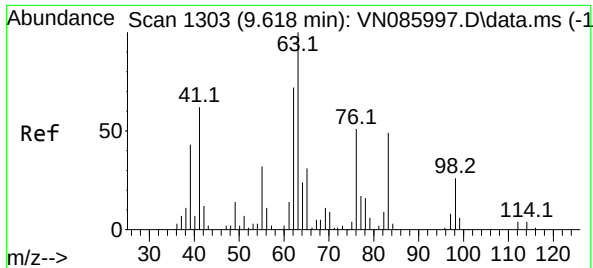
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#44
Trichloroethene
Concen: 49.095 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion:130 Resp: 75257
Ion Ratio Lower Upper
130 100
95 90.8 0.0 191.6





#45

1,2-Dichloropropane

Concen: 52.691 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 7088

Ion Ratio Lower Upper

63 100

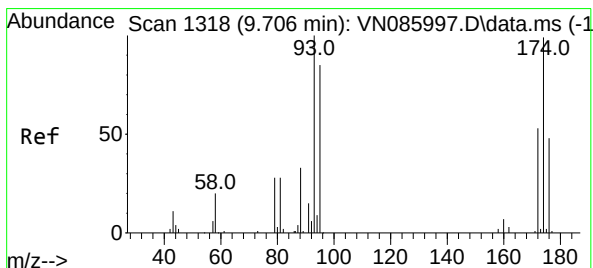
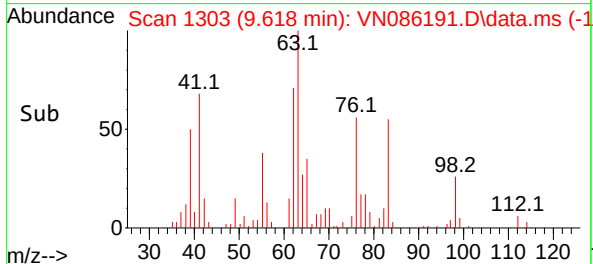
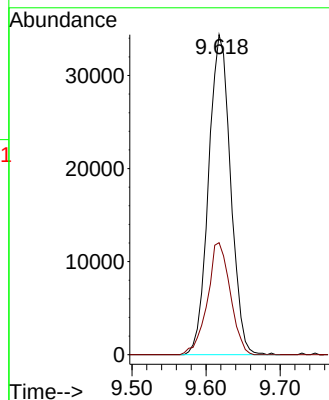
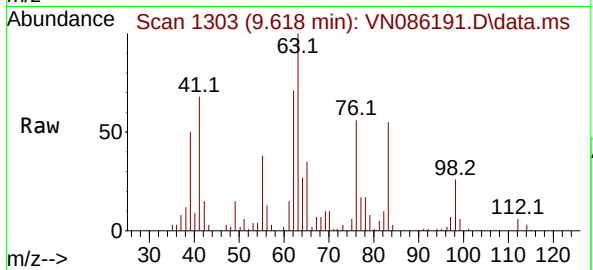
65 35.0 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#46

Dibromomethane

Concen: 55.405 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

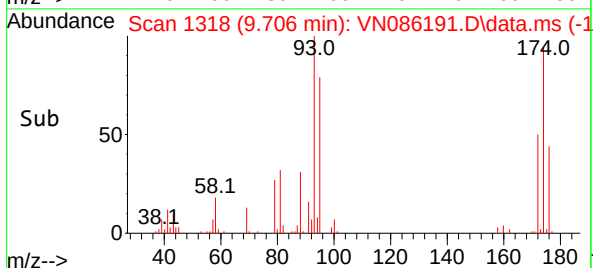
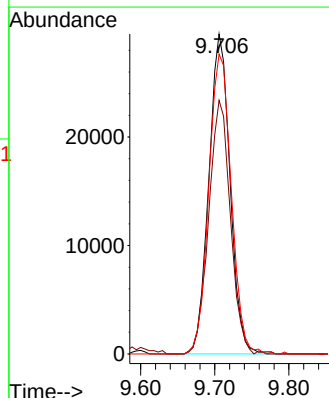
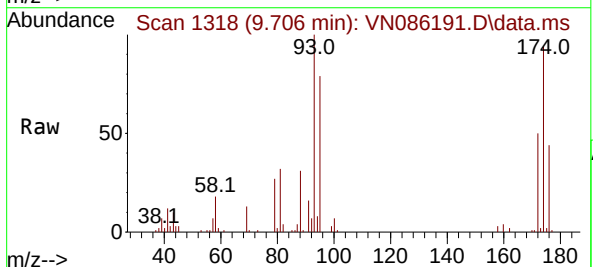
Tgt Ion: 93 Resp: 58614

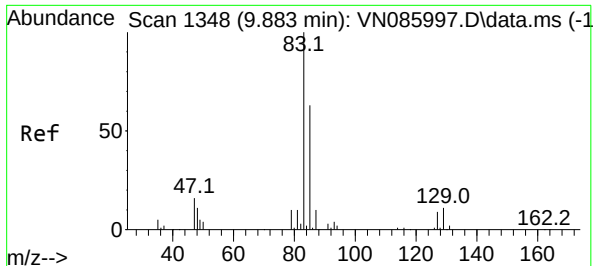
Ion Ratio Lower Upper

93 100

95 81.0 66.2 99.2

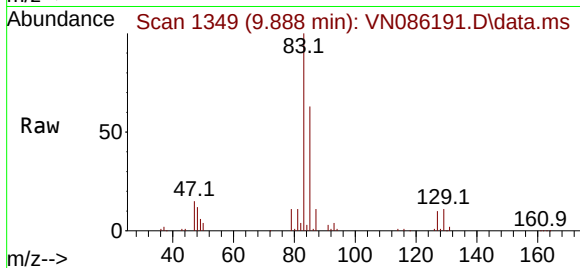
174 99.0 80.1 120.1





#47
Bromodichloromethane
Concen: 55.345 ug/l
RT: 9.888 min Scan# 1348
Delta R.T. 0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

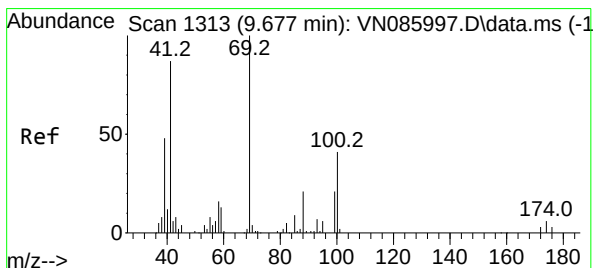
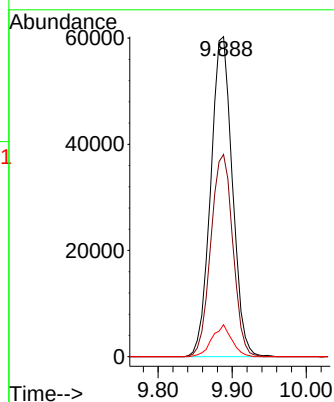
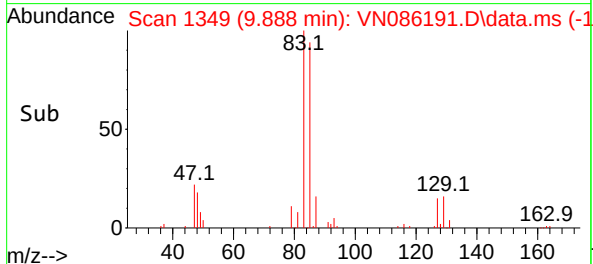
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 122368
Ion Ratio Lower Upper
83 100
85 63.2 50.2 75.2
127 10.0 7.1 10.7

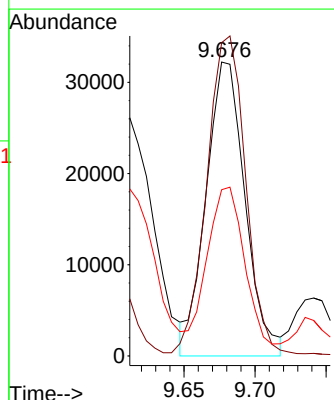
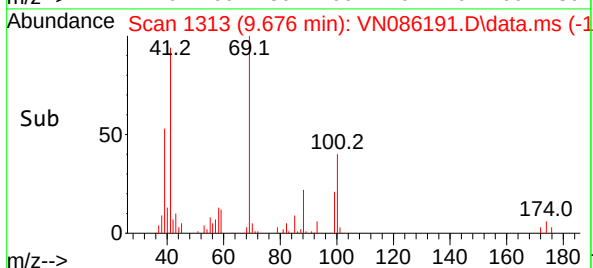
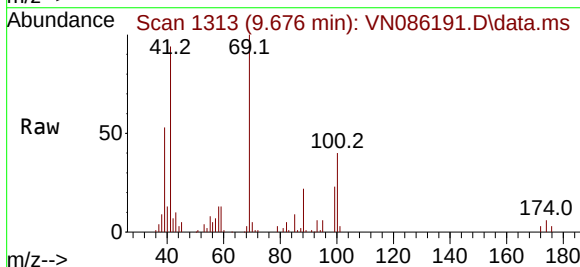
Manual Integrations
APPROVED

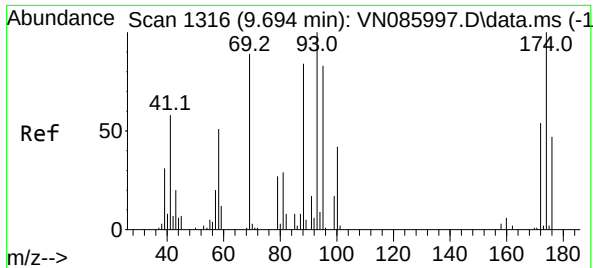
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#48
Methyl methacrylate
Concen: 54.205 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion: 41 Resp: 61608
Ion Ratio Lower Upper
41 100
69 109.4 83.1 124.7
39 57.1 45.6 68.4





#49

1,4-Dioxane

Concen: 1134.096 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 3047

Ion Ratio Lower Upper

88 100

43 28.1 21.7 32.5

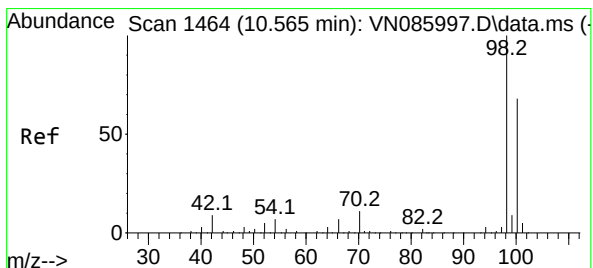
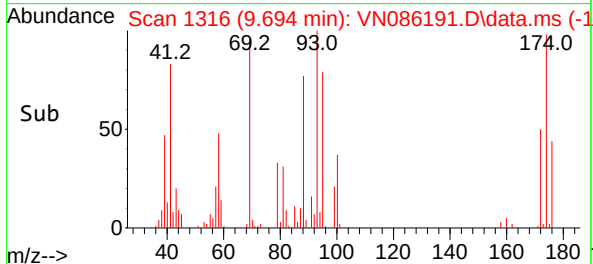
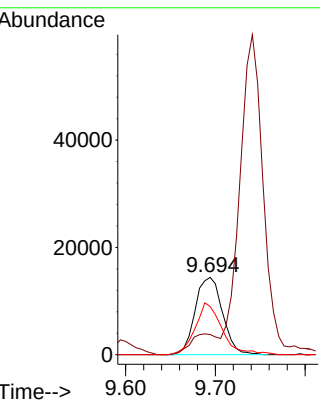
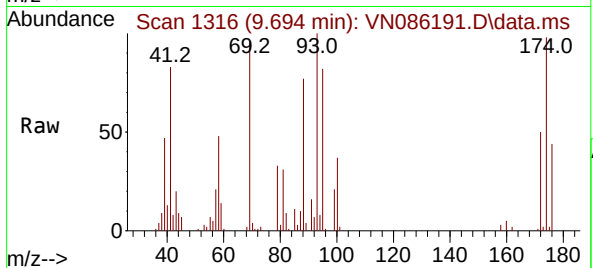
58 66.2 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#50

Toluene-d8

Concen: 54.542 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086191.D

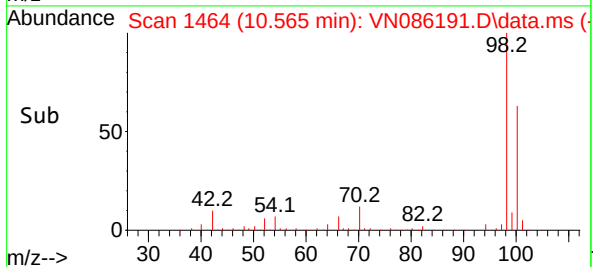
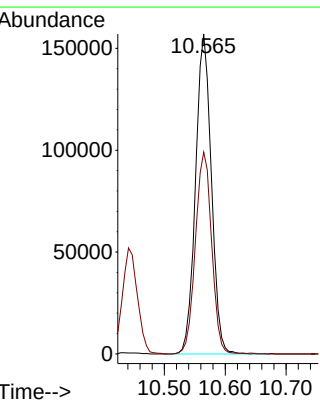
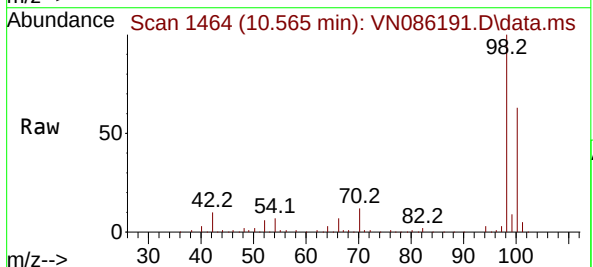
Acq: 01 Apr 2025 12:30

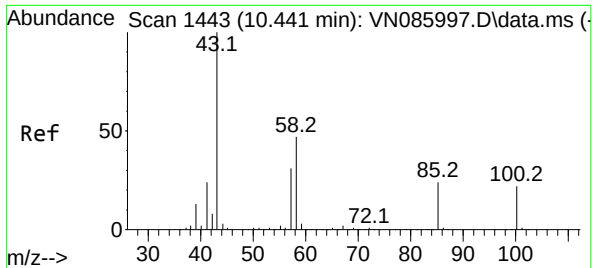
Tgt Ion: 98 Resp: 283232

Ion Ratio Lower Upper

98 100

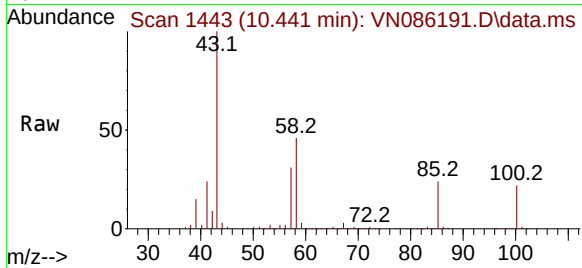
100 64.7 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 285.346 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

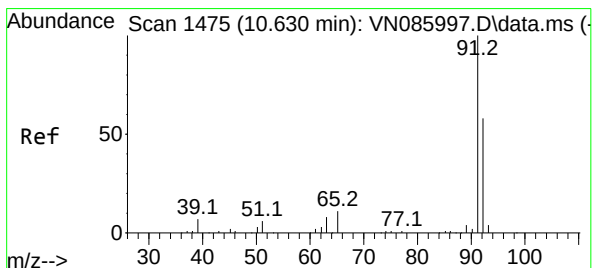
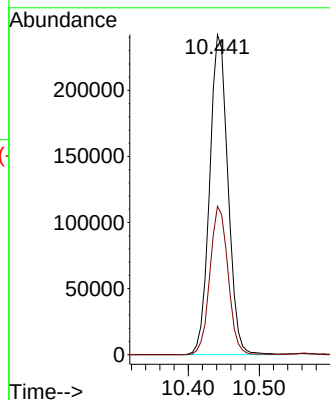
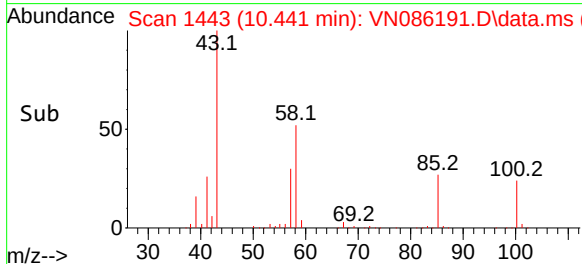
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 43344
Ion Ratio Lower Upper
43 100
58 45.9 37.4 56.0

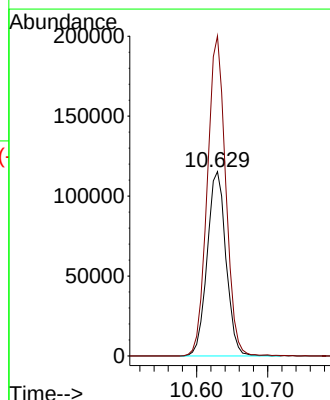
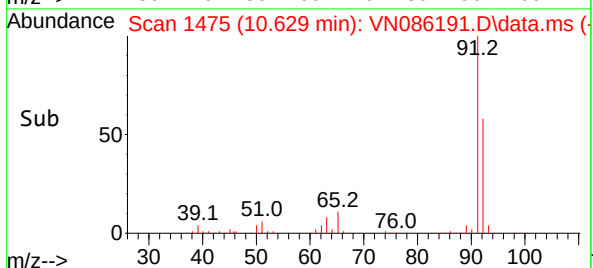
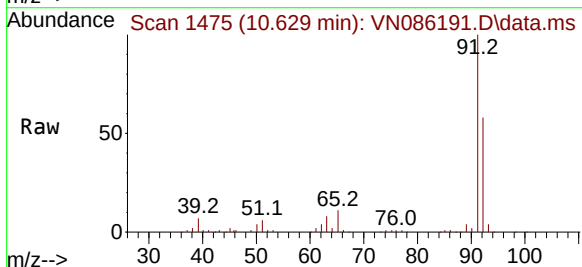
Manual Integrations
APPROVED

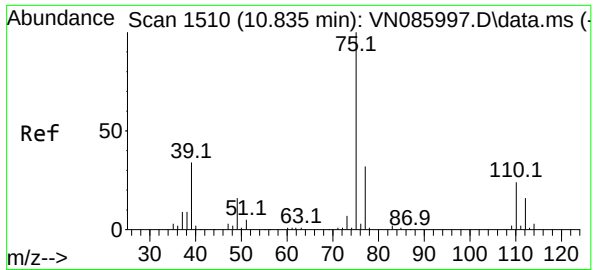
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#52
Toluene
Concen: 58.421 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

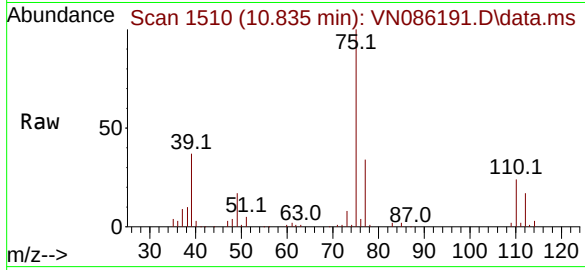
Tgt Ion: 92 Resp: 212069
Ion Ratio Lower Upper
92 100
91 169.6 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 53.936 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

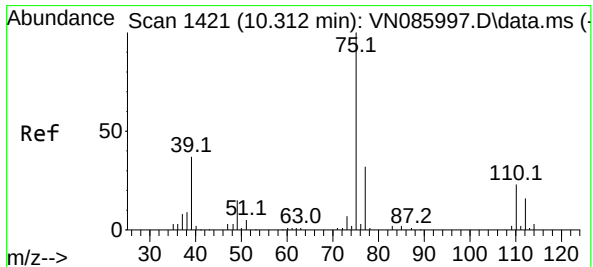
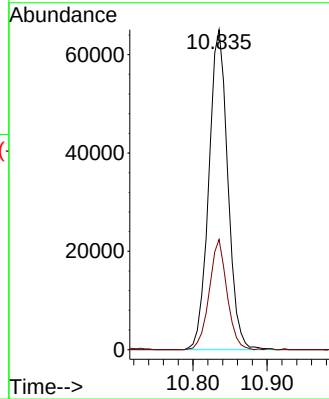
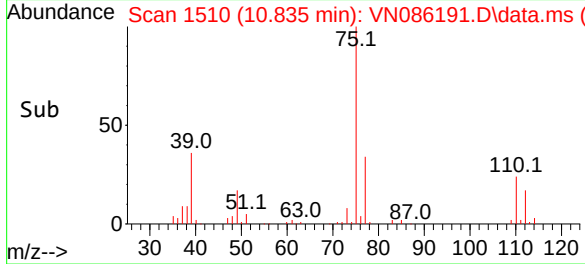
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 115814
Ion Ratio Lower Upper
75 100
77 34.4 25.3 37.9

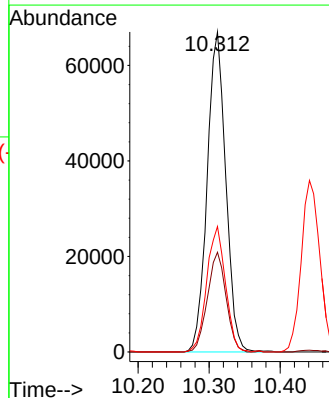
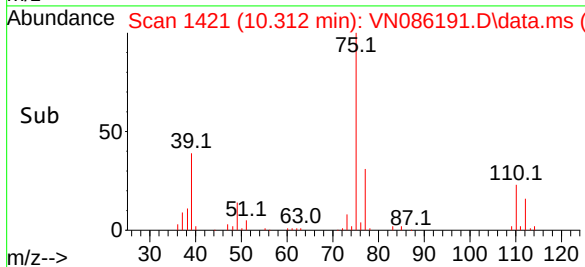
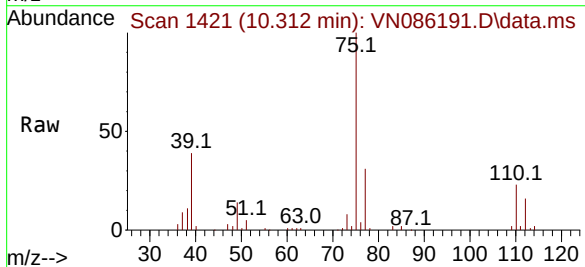
Manual Integrations
APPROVED

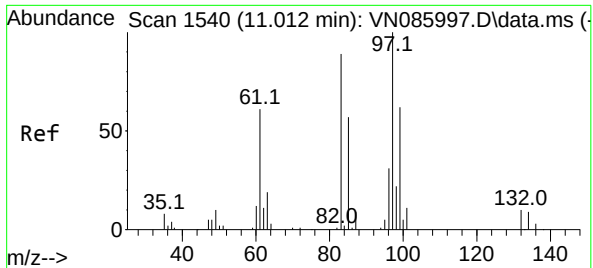
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#54
cis-1,3-Dichloropropene
Concen: 53.797 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

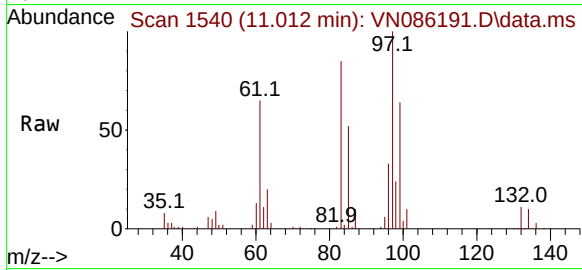
Tgt Ion: 75 Resp: 121877
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9
39 39.2 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 56.188 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

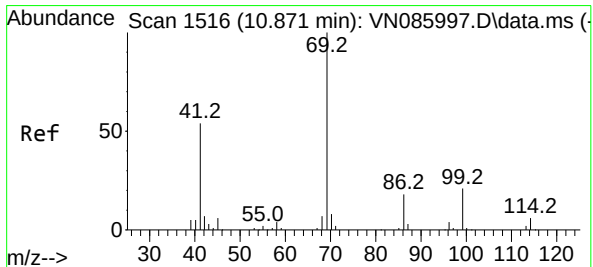
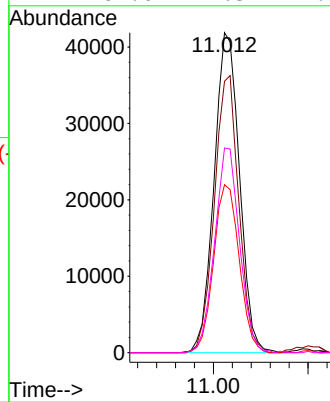
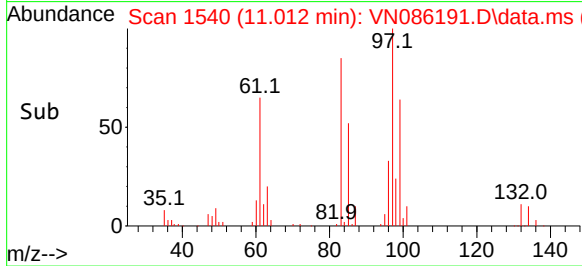
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 97 Resp: 7784
Ion Ratio Lower Upper
97 100
83 84.8 71.2 106.8
85 52.5 45.4 68.0
99 64.0 49.5 74.3

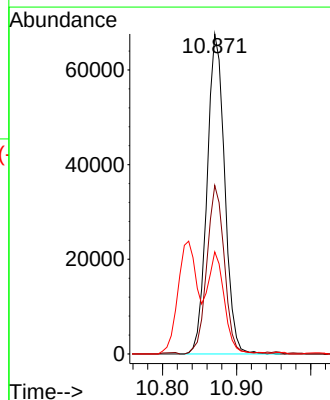
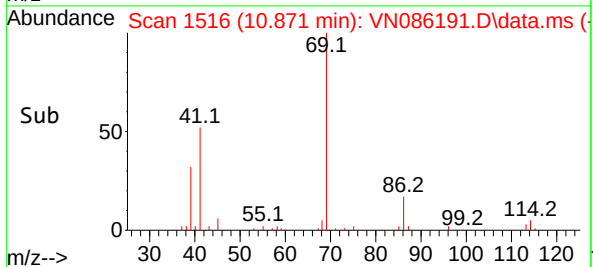
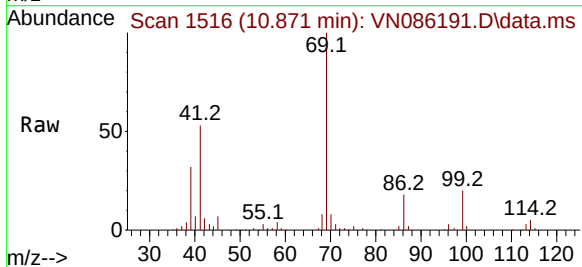
Manual Integrations
APPROVED

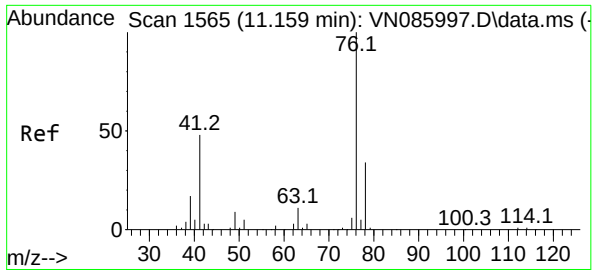
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#56
Ethyl methacrylate
Concen: 51.295 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion: 69 Resp: 111441
Ion Ratio Lower Upper
69 100
41 52.5 41.6 62.4
39 29.6 21.8 32.8





#57

1,3-Dichloropropane

Concen: 56.160 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 13215

Ion Ratio Lower Upper

76 100

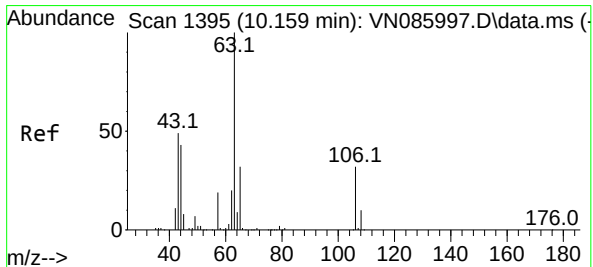
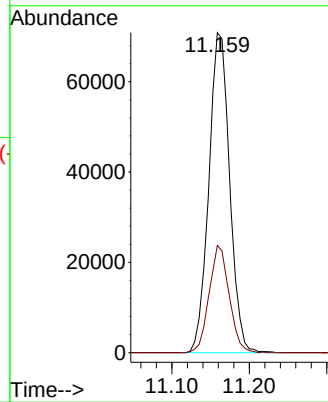
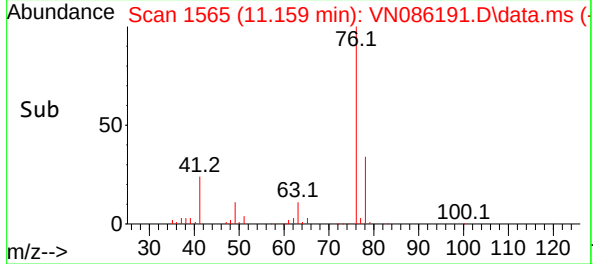
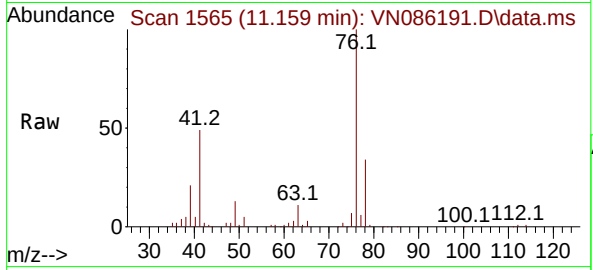
78 32.3 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#58

2-Chloroethyl Vinyl ether

Concen: 304.296 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN086191.D

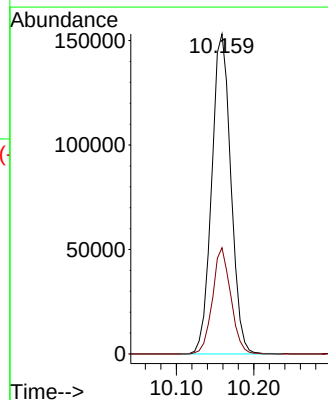
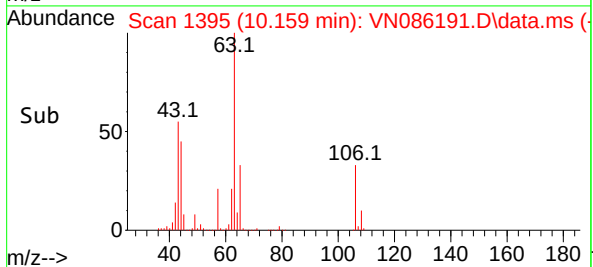
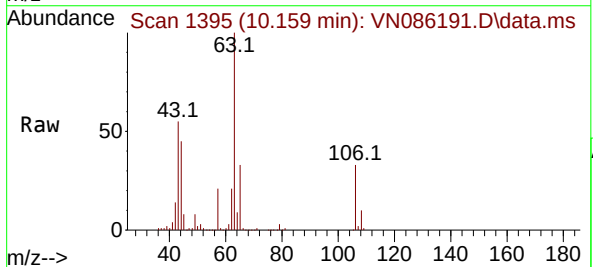
Acq: 01 Apr 2025 12:30

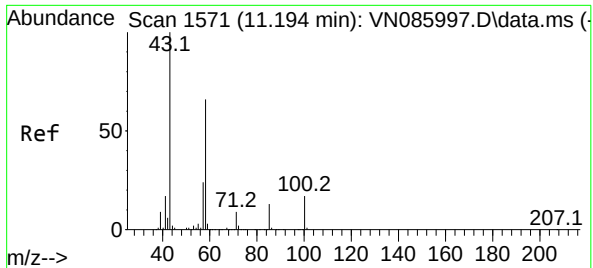
Tgt Ion: 63 Resp: 263133

Ion Ratio Lower Upper

63 100

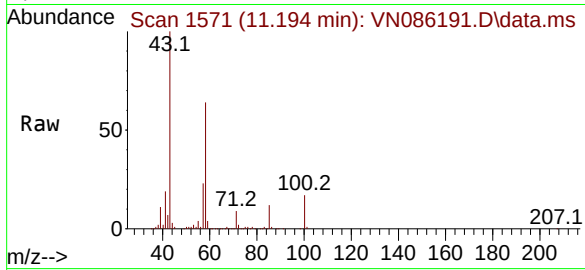
106 31.7 25.0 37.6





#59
2-Hexanone
Concen: 290.158 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

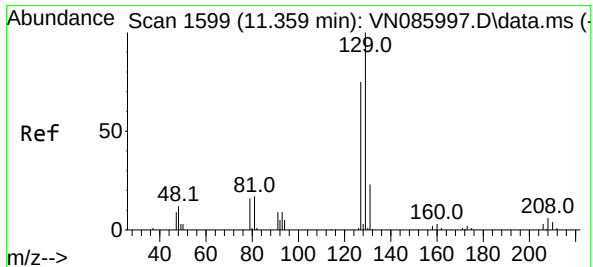
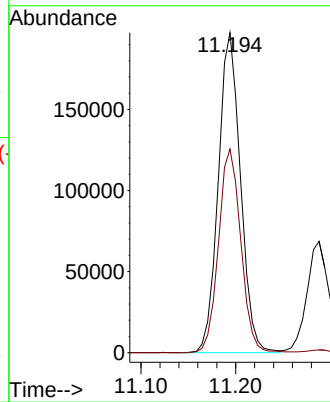
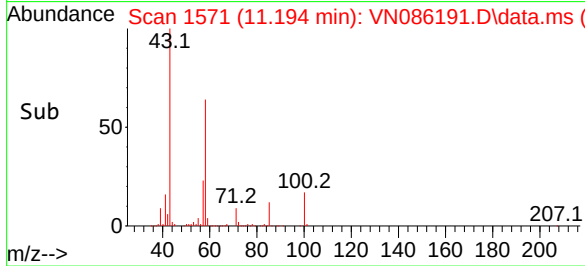
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 321084
Ion Ratio Lower Upper
43 100
58 64.0 32.4 97.2

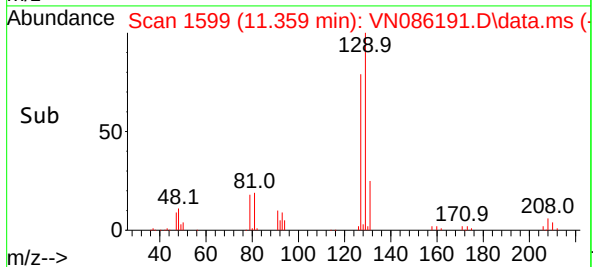
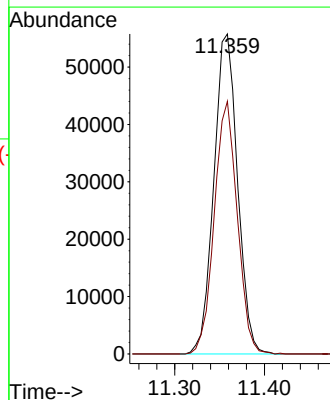
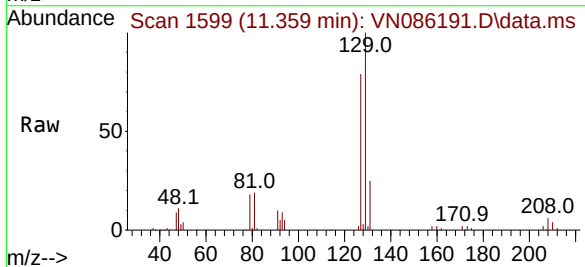
Manual Integrations
APPROVED

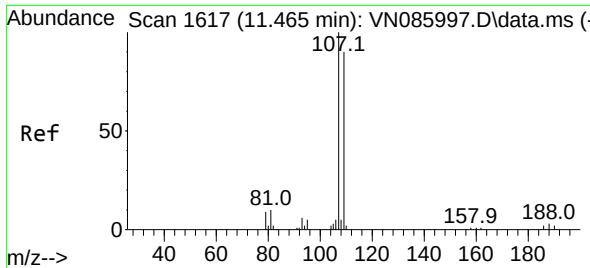
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#60
Dibromochloromethane
Concen: 57.261 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

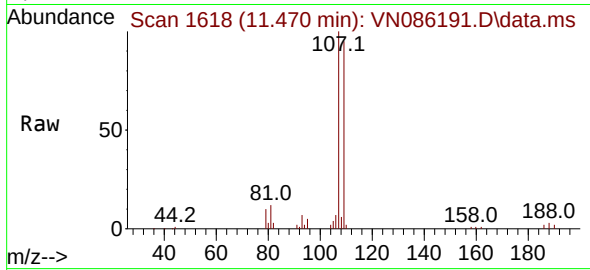
Tgt Ion:129 Resp: 102372
Ion Ratio Lower Upper
129 100
127 76.7 37.8 113.4





#61
1,2-Dibromoethane
Concen: 55.473 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

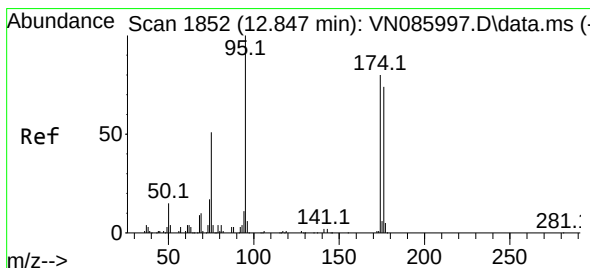
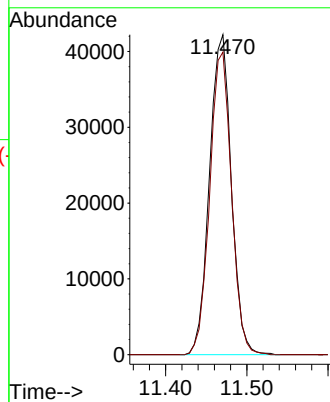
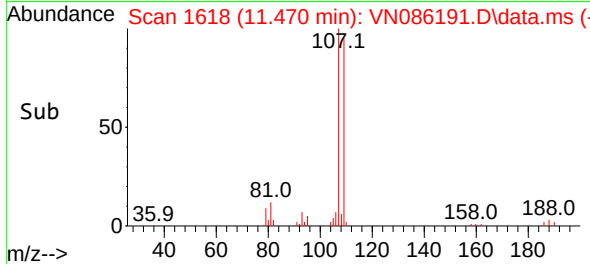
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



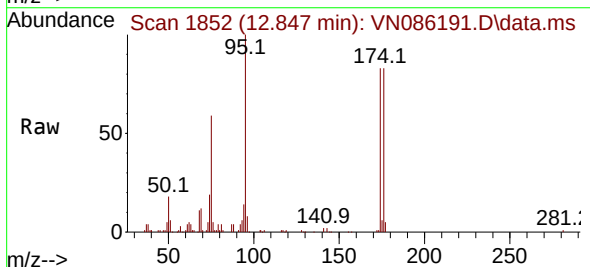
Tgt Ion:107 Resp: 7890
Ion Ratio Lower Upper
107 100
109 93.9 73.3 109.9

Manual Integrations
APPROVED

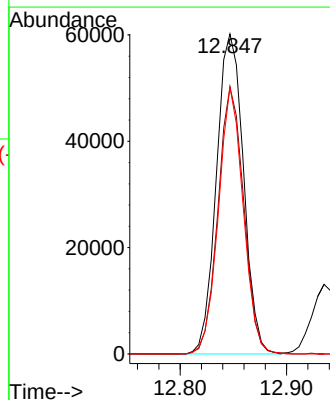
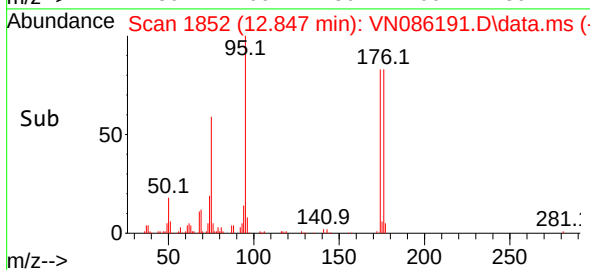
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

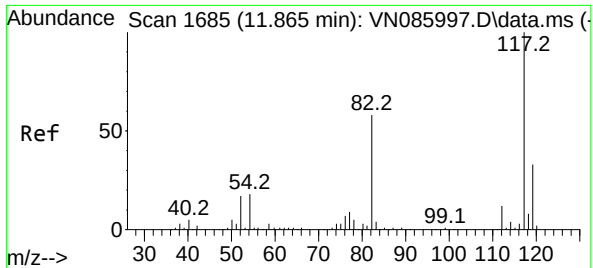


#62
4-Bromofluorobenzene
Concen: 57.194 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30



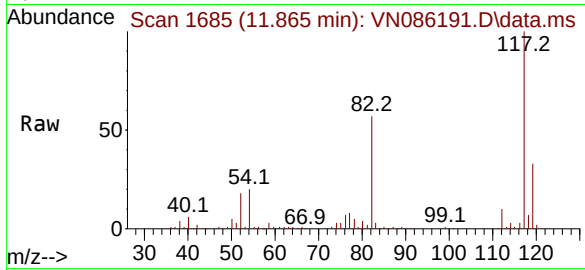
Tgt Ion: 95 Resp: 105921
Ion Ratio Lower Upper
95 100
174 79.5 0.0 156.8
176 76.4 0.0 152.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

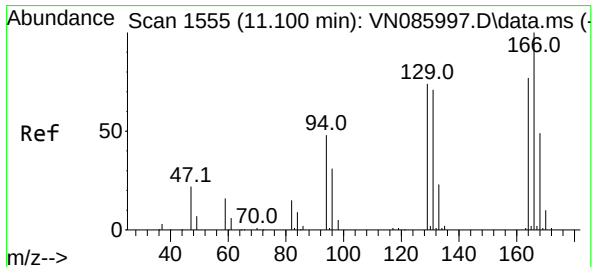
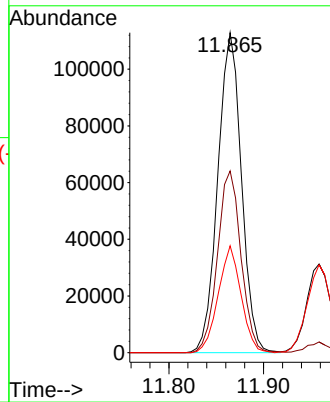
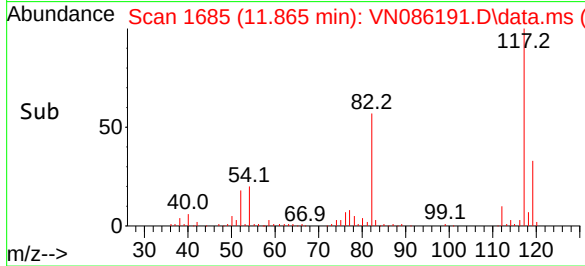
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



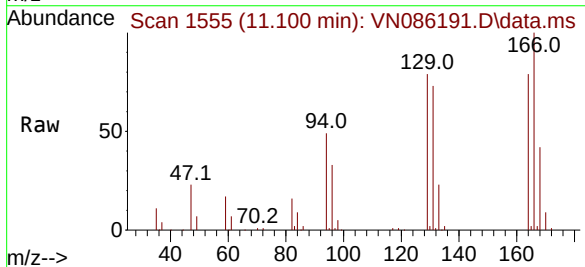
Tgt Ion:117 Resp: 19589
Ion Ratio Lower Upper
117 100
82 56.8 46.7 70.1
119 33.4 26.5 39.7

Manual Integrations
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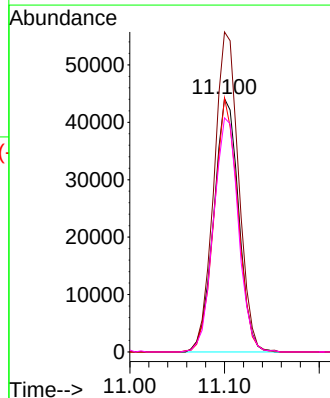
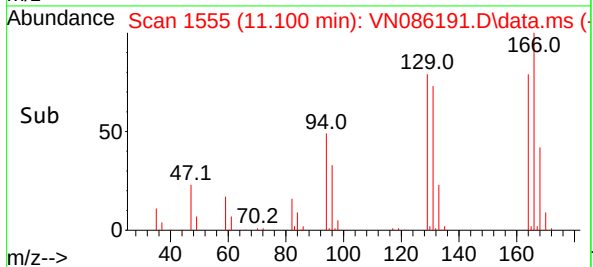
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

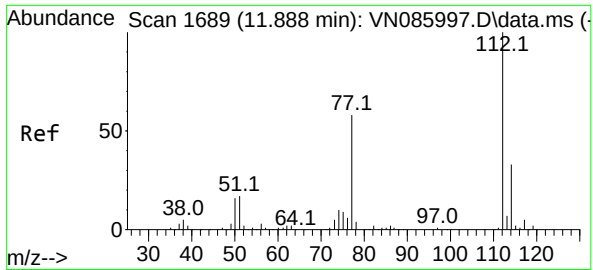


#64
Tetrachloroethene
Concen: 51.506 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30



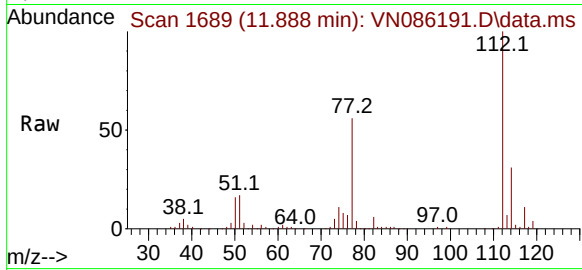
Tgt Ion:164 Resp: 80488
Ion Ratio Lower Upper
164 100
166 126.4 103.7 155.5
129 100.3 77.1 115.7
131 92.4 73.3 109.9





#65
Chlorobenzene
Concen: 50.343 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

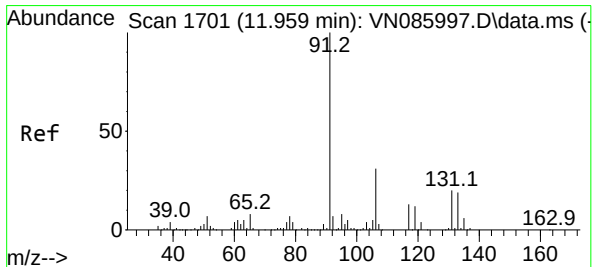
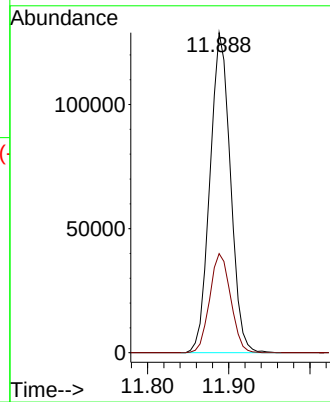
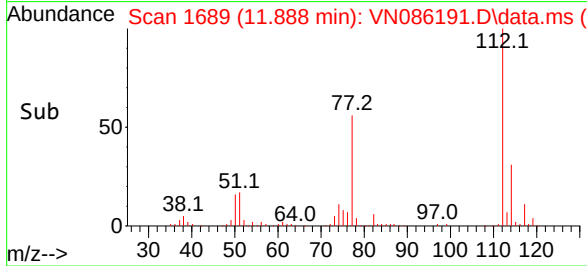
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:112 Resp: 225670
Ion Ratio Lower Upper
112 100
114 31.0 26.3 39.5

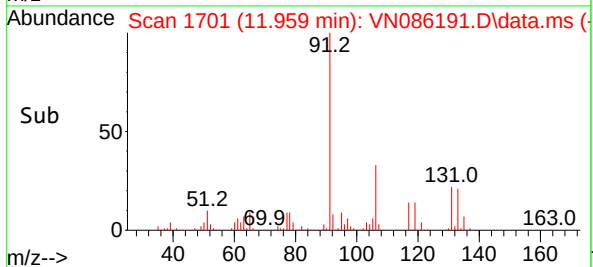
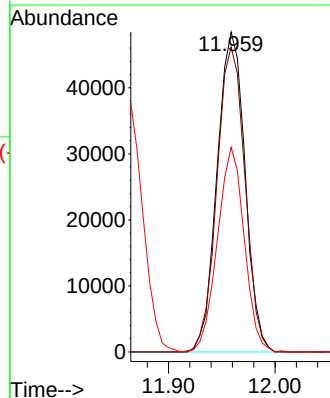
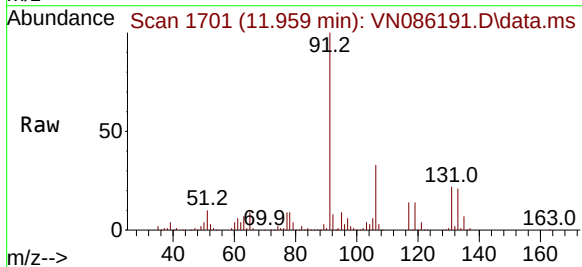
Manual Integrations
APPROVED

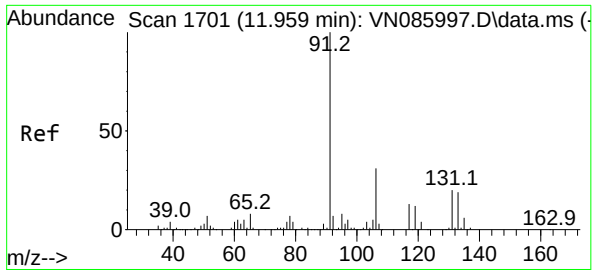
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 52.796 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

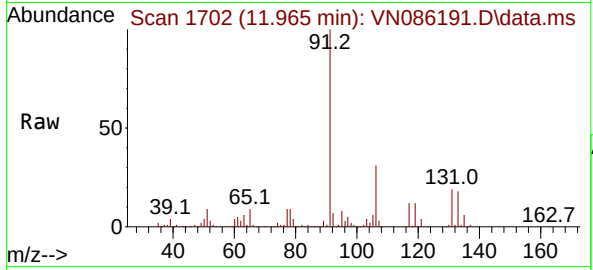
Tgt Ion:131 Resp: 87978
Ion Ratio Lower Upper
131 100
133 96.0 47.0 141.0
119 61.6 31.4 94.0





#67
Ethyl Benzene
Concen: 53.956 ug/l
RT: 11.965 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

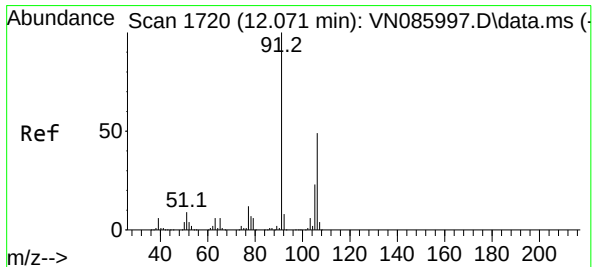
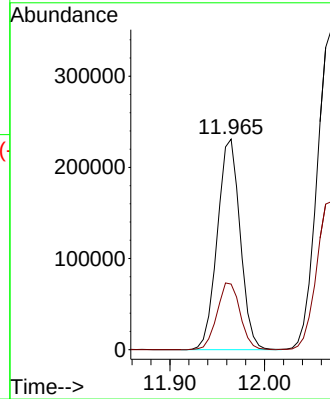
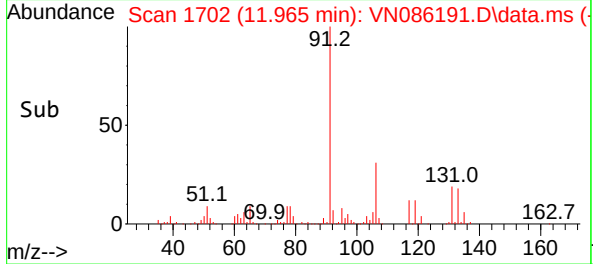
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 386894
Ion Ratio Lower Upper
91 100
106 31.2 24.5 36.7

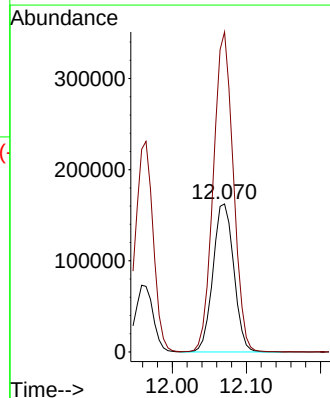
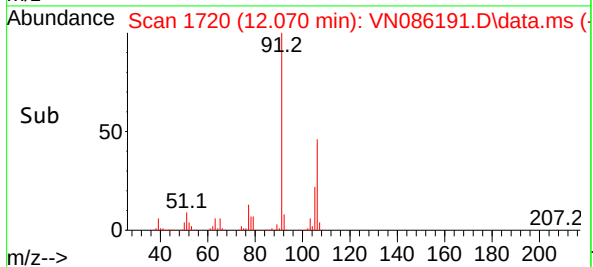
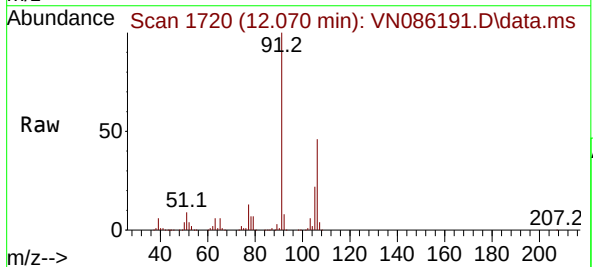
Manual Integrations
APPROVED

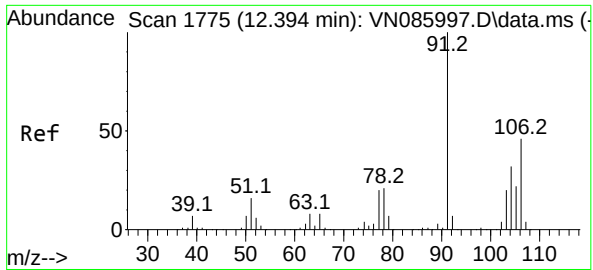
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#68
m/p-Xylenes
Concen: 112.511 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion:106 Resp: 317096
Ion Ratio Lower Upper
106 100
91 207.5 163.9 245.9





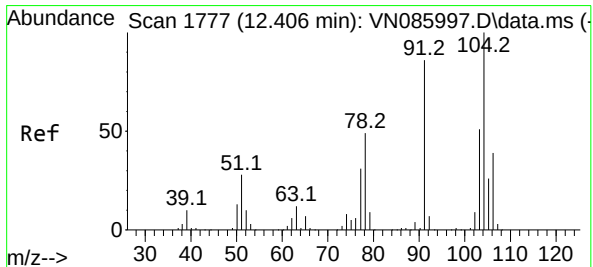
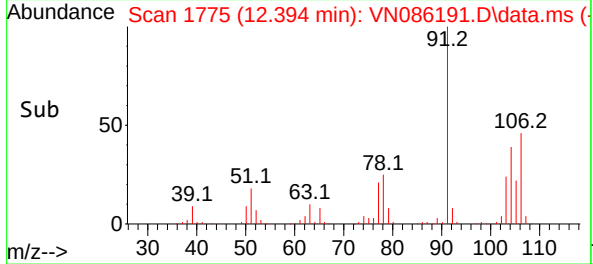
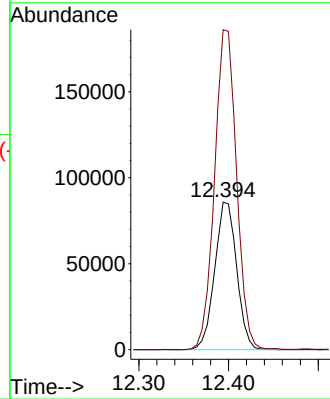
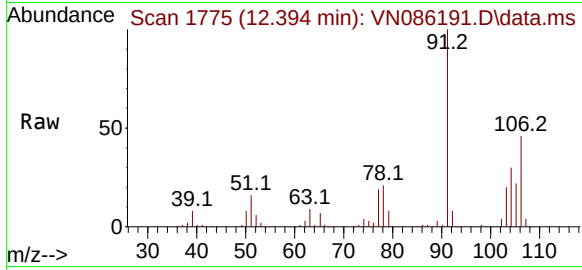
#69
o-Xylene
Concen: 56.358 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 145782
Ion Ratio Lower Upper
106 100
91 218.0 109.1 327.2

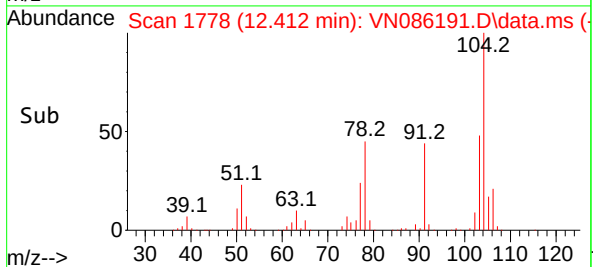
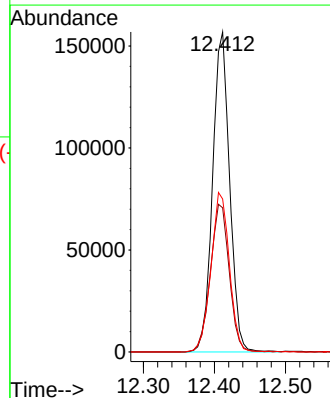
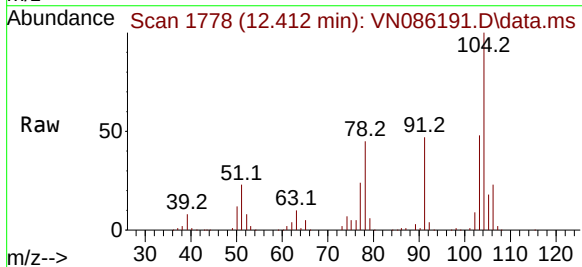
Manual Integrations
APPROVED

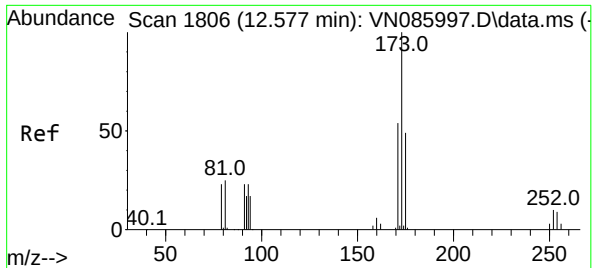
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#70
Styrene
Concen: 59.027 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

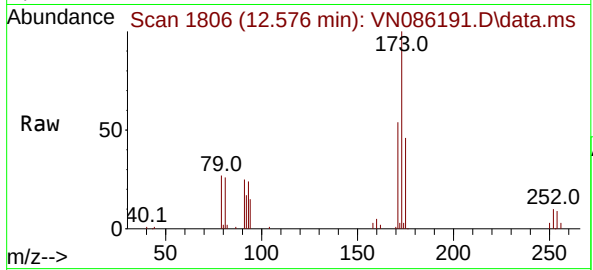
Tgt Ion:104 Resp: 260792
Ion Ratio Lower Upper
104 100
78 51.1 41.4 62.2
103 54.1 42.9 64.3





#71
Bromoform
Concen: 53.039 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

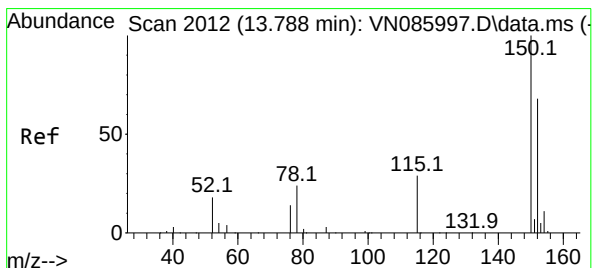
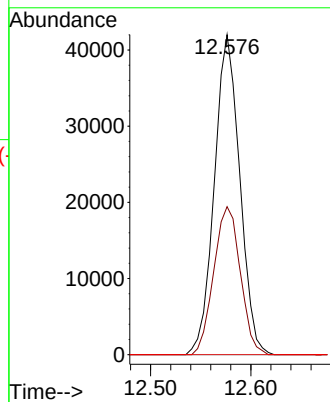
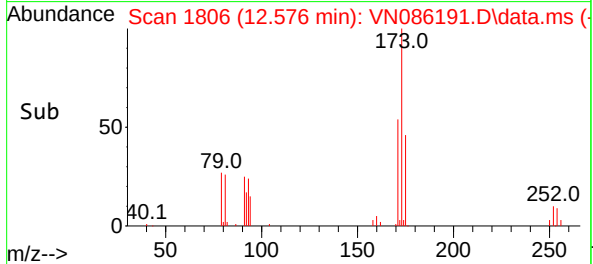
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



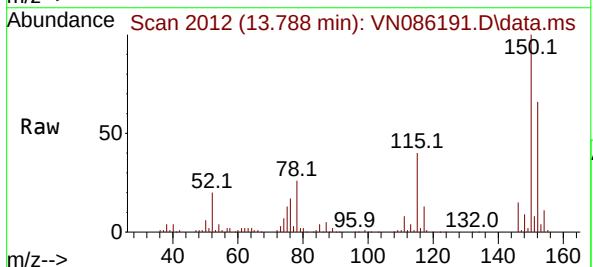
Tgt Ion:173 Resp: 73884
Ion Ratio Lower Upper
173 100
175 48.3 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

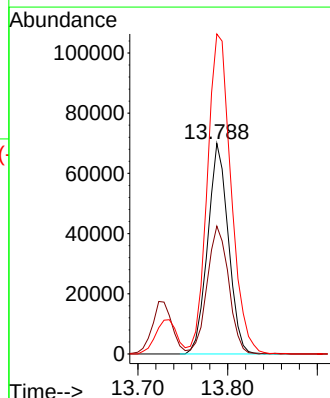
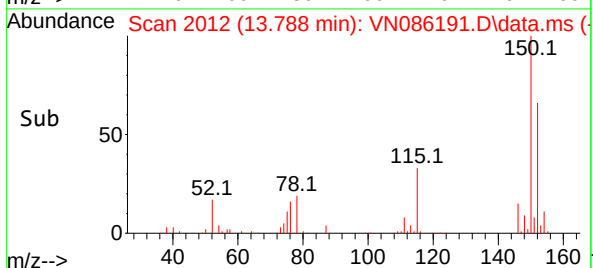
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

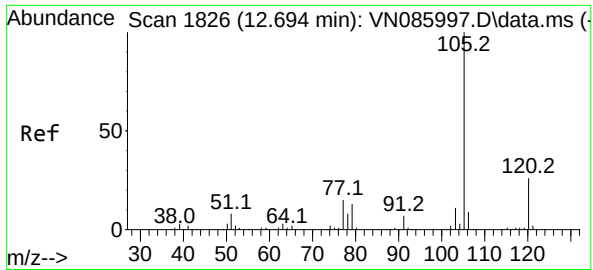


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30



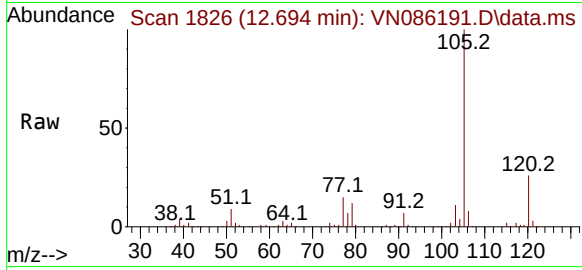
Tgt Ion:152 Resp: 111589
Ion Ratio Lower Upper
152 100
115 63.4 31.1 93.2
150 174.9 0.0 359.6





#73
Isopropylbenzene
Concen: 48.987 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

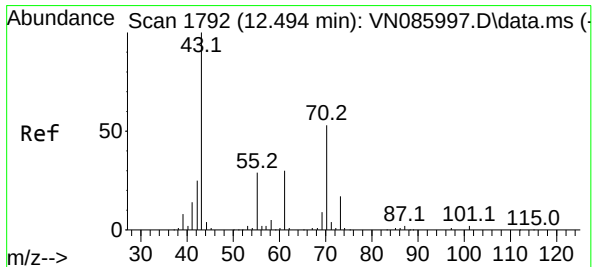
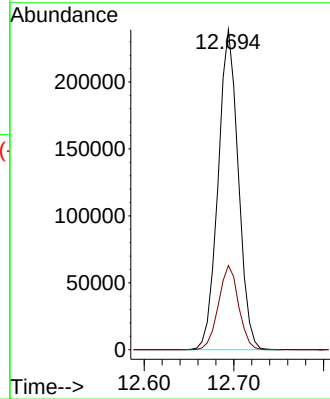
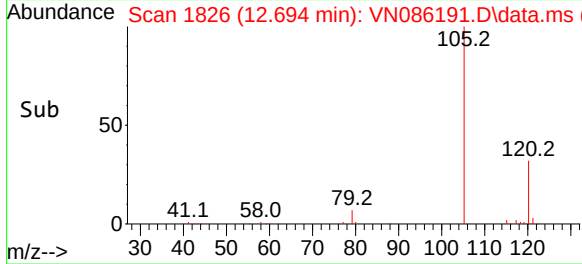
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 37329
Ion Ratio Lower Upper
105 100
120 26.1 13.0 39.0

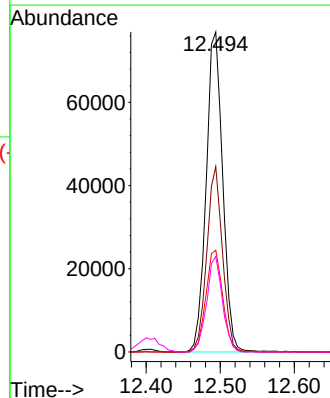
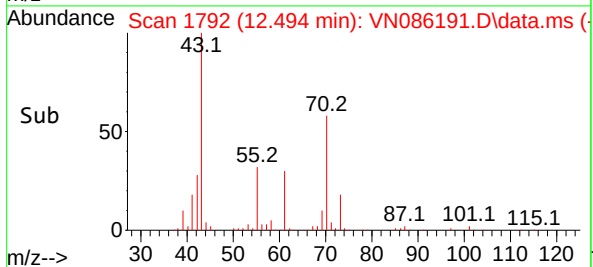
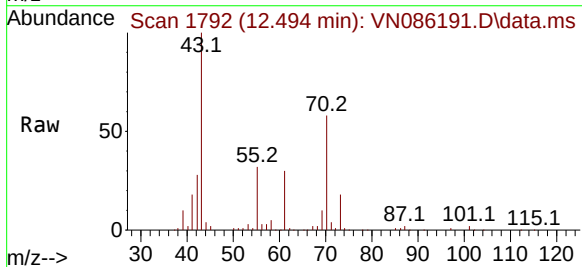
Manual Integrations
APPROVED

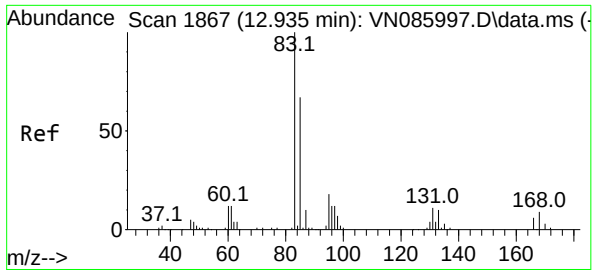
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#74
N-ethyl acetate
Concen: 46.828 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

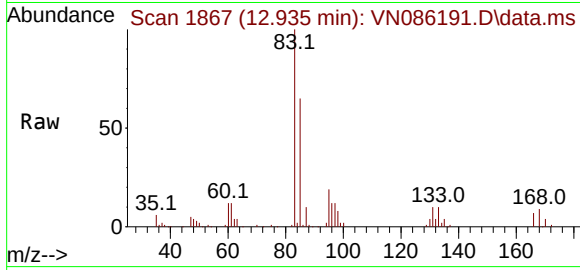
Tgt Ion: 43 Resp: 119388
Ion Ratio Lower Upper
43 100
70 54.9 43.0 64.4
55 32.4 23.8 35.8
61 28.6 23.4 35.0





#75
1,1,2,2-Tetrachloroethane
Concen: 44.496 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

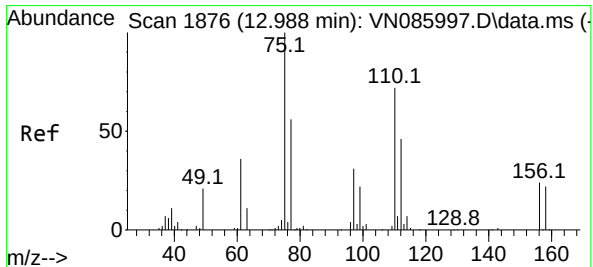
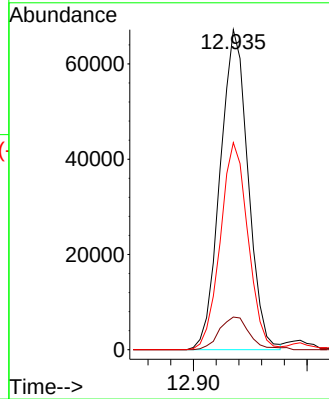
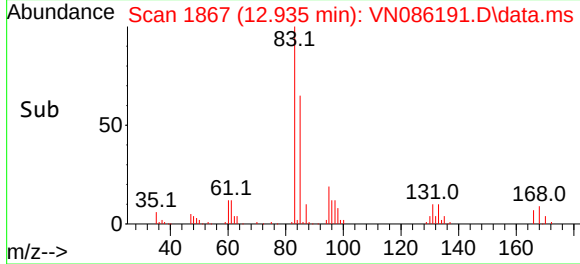
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 11471
Ion Ratio Lower Upper
83 100
131 11.1 5.5 16.5
85 64.2 32.6 97.8

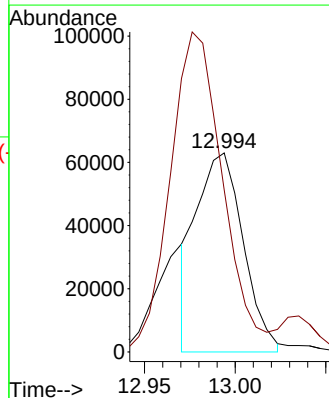
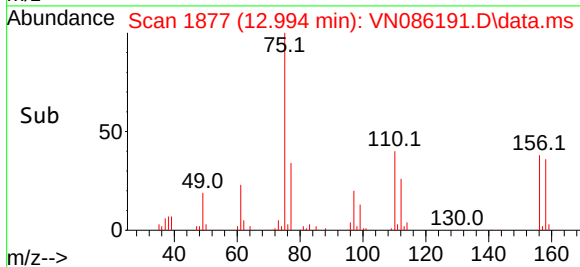
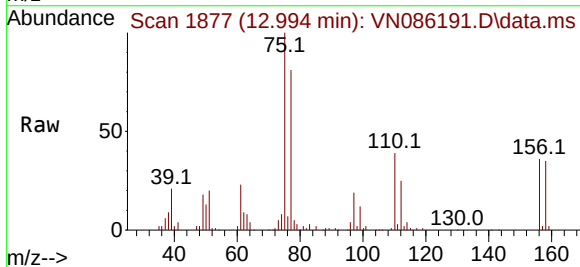
Manual Integrations
APPROVED

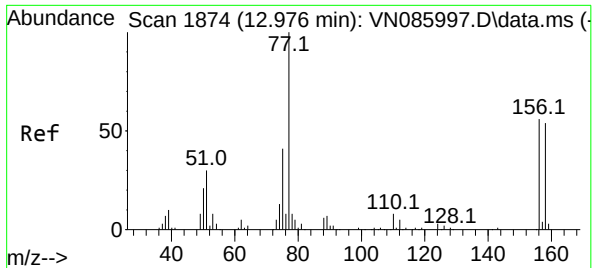
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#76
1,2,3-Trichloropropane
Concen: 45.386 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

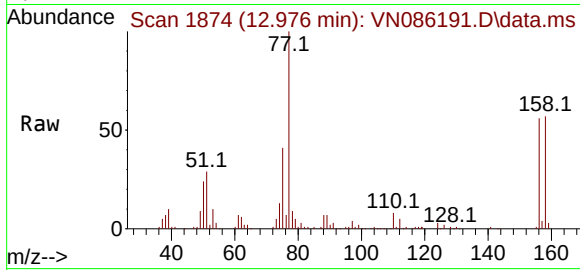
Tgt Ion: 75 Resp: 113386
Ion Ratio Lower Upper
75 100
77 179.3 83.7 251.0





#77
Bromobenzene
Concen: 47.181 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

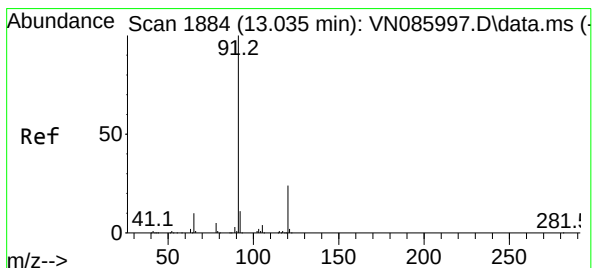
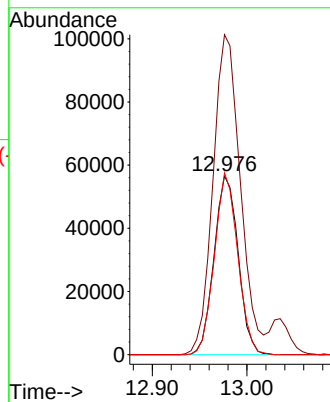
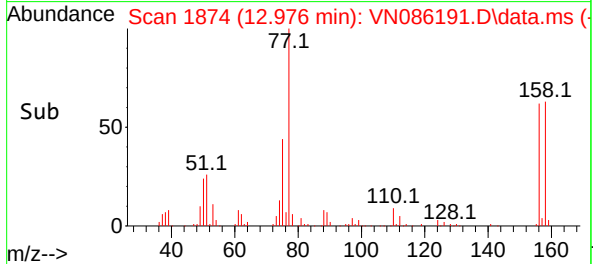
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:156 Resp: 100250
Ion Ratio Lower Upper
156 100
77 202.8 104.1 312.3
158 98.5 49.0 147.0

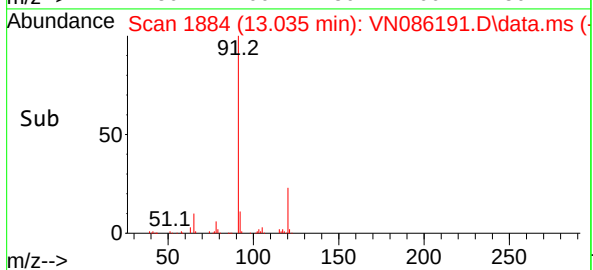
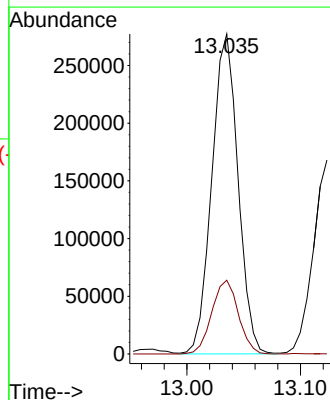
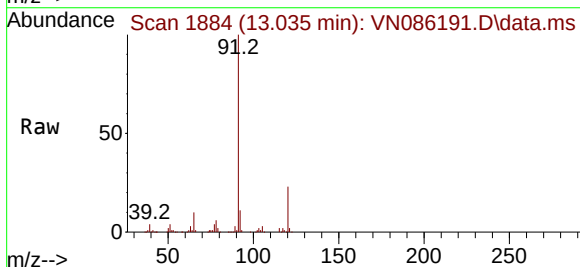
Manual Integrations
APPROVED

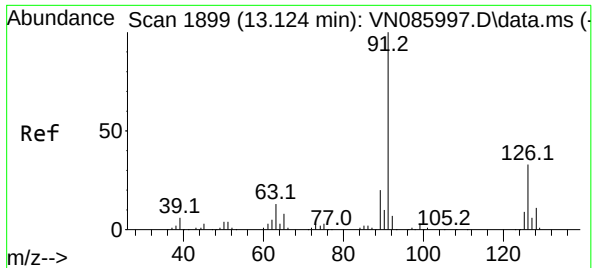
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#78
n-propylbenzene
Concen: 51.446 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion: 91 Resp: 443917
Ion Ratio Lower Upper
91 100
120 23.3 11.7 35.0





#79

2-Chlorotoluene

Concen: 49.095 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 28138

Ion Ratio Lower Upper

91 100

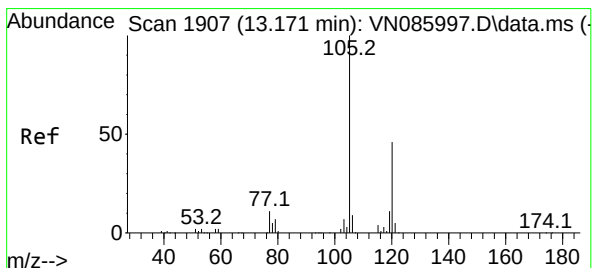
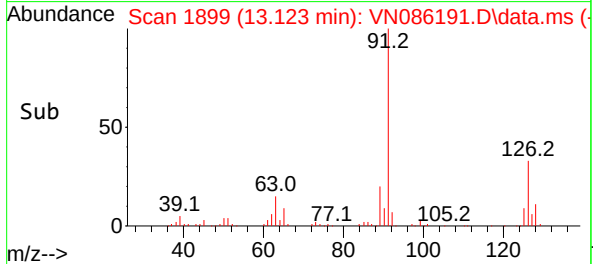
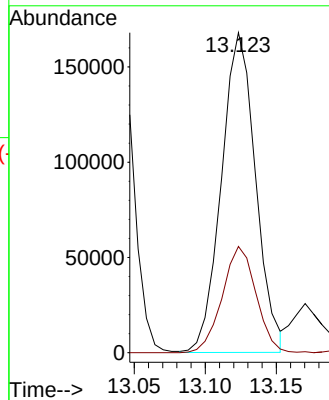
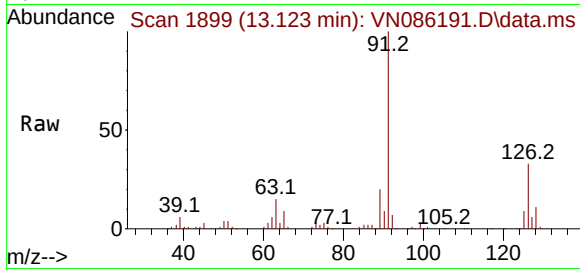
126 32.8 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#80

1,3,5-Trimethylbenzene

Concen: 52.995 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086191.D

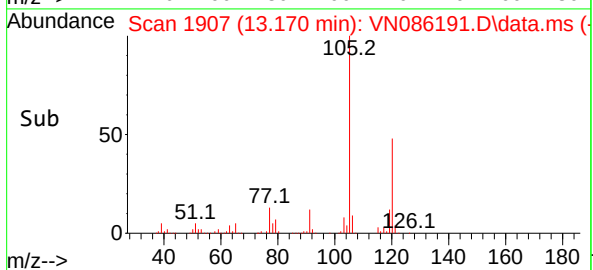
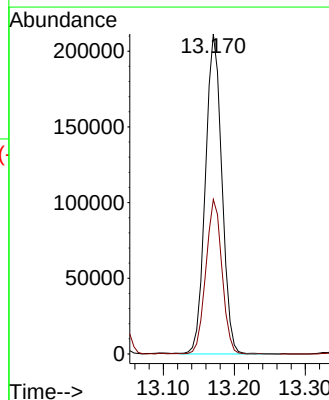
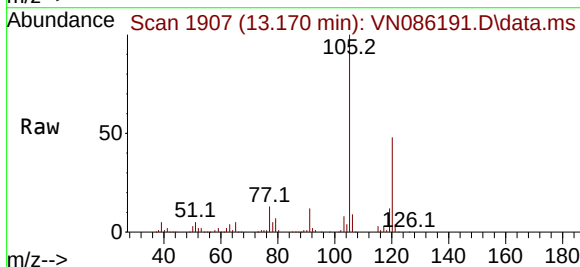
Acq: 01 Apr 2025 12:30

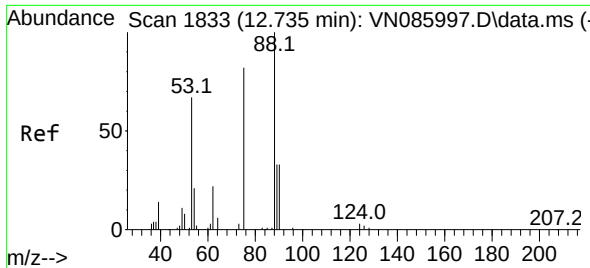
Tgt Ion:105 Resp: 340956

Ion Ratio Lower Upper

105 100

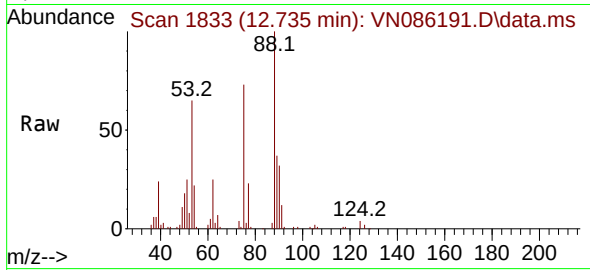
120 47.2 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 42.843 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

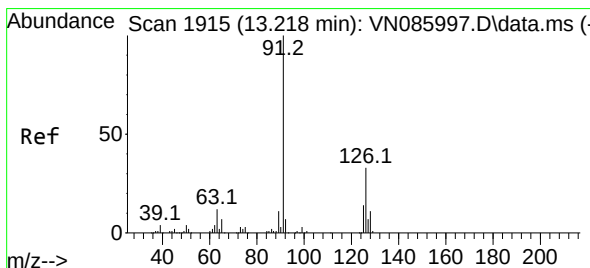
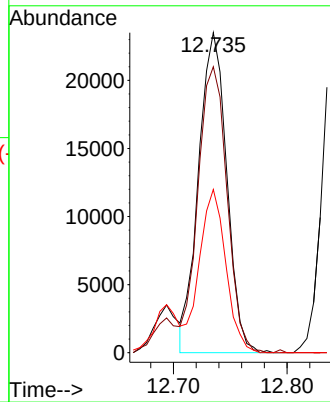
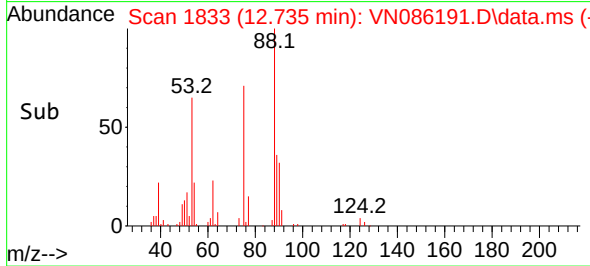
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 40484
Ion Ratio Lower Upper
75 100
53 92.1 66.0 99.0
89 48.5 36.9 55.3

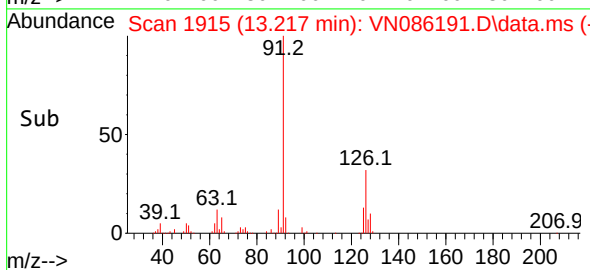
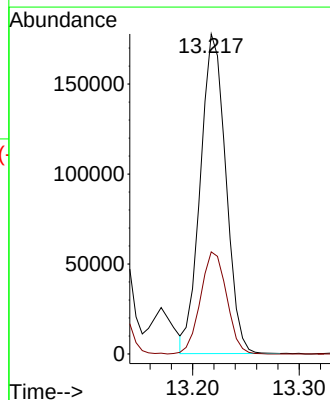
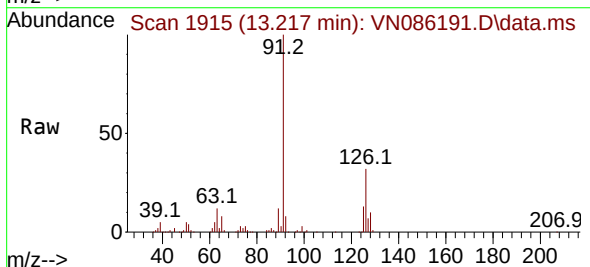
Manual Integrations
APPROVED

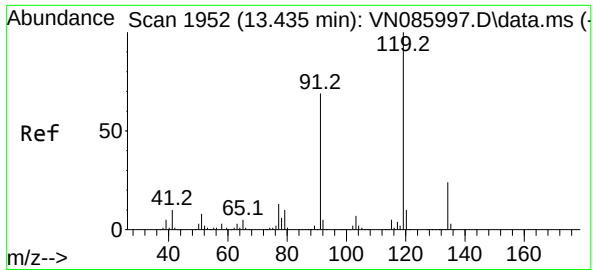
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#82
4-Chlorotoluene
Concen: 50.057 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

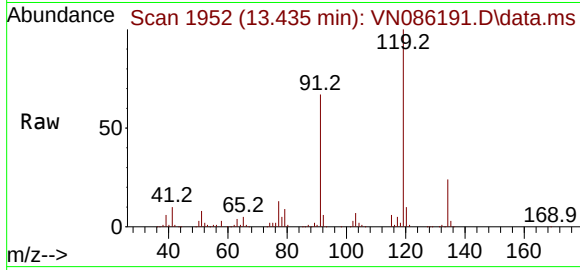
Tgt Ion: 91 Resp: 295029
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.2





#83
tert-Butylbenzene
Concen: 48.341 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

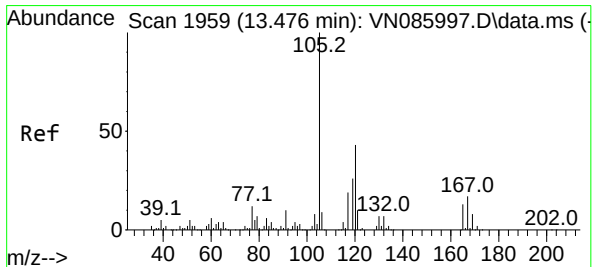
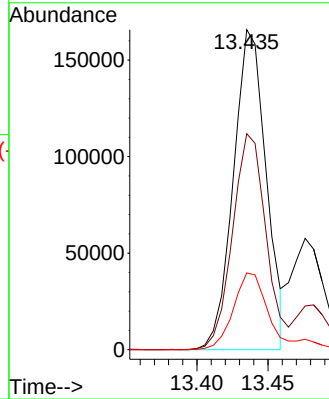
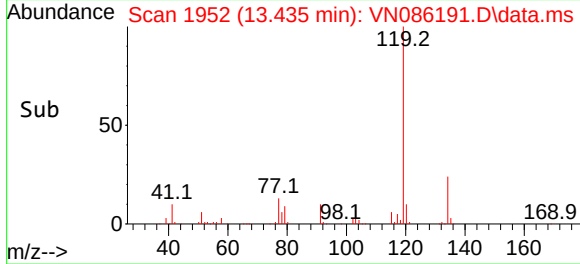
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



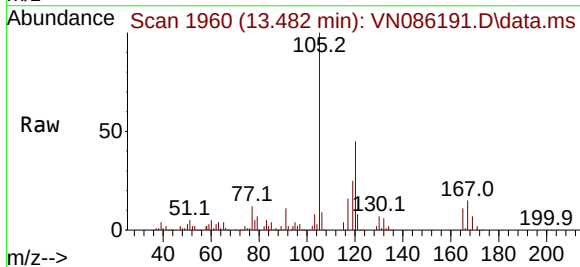
Tgt Ion:119 Resp: 265994
Ion Ratio Lower Upper
119 100
91 69.4 34.3 102.9
134 27.0 13.5 40.5

Manual Integrations
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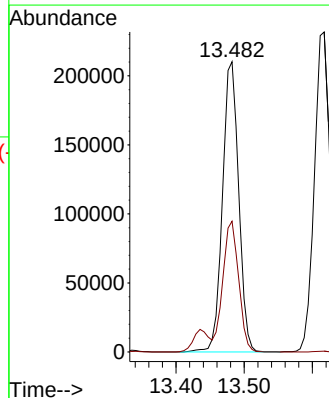
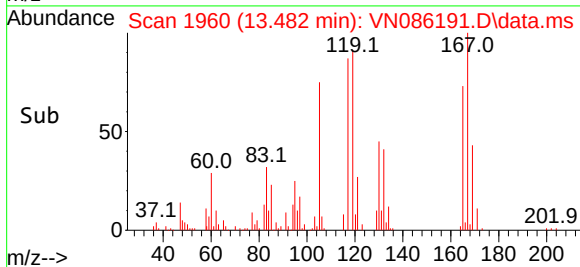
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

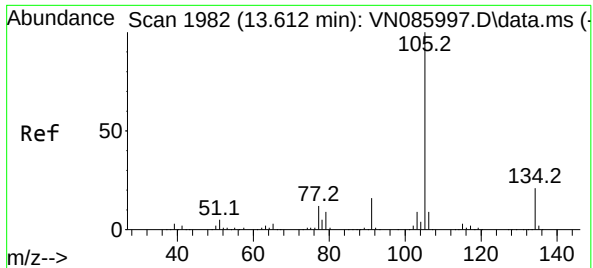


#84
1,2,4-Trimethylbenzene
Concen: 53.574 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30



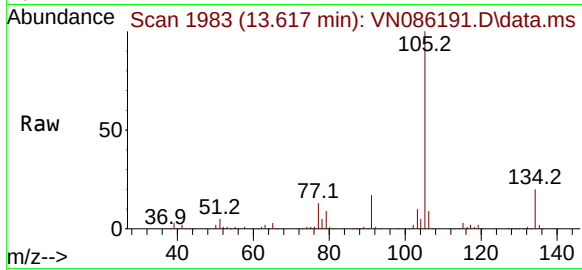
Tgt Ion:105 Resp: 347644
Ion Ratio Lower Upper
105 100
120 44.1 21.9 65.8





#85
 sec-Butylbenzene
 Concen: 51.919 ug/l
 RT: 13.617 min Scan# 1982
 Delta R.T. 0.006 min
 Lab File: VN086191.D
 Acq: 01 Apr 2025 12:30

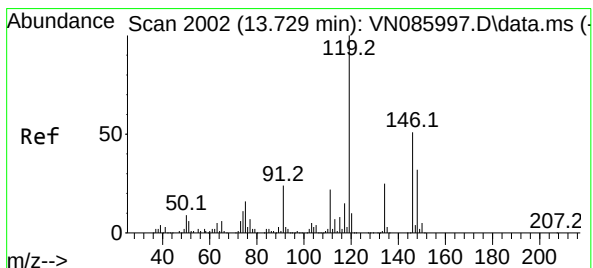
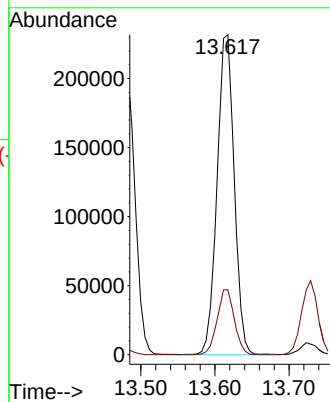
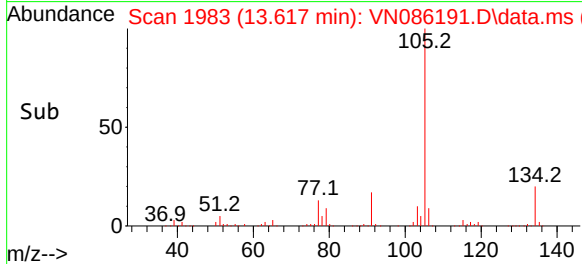
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



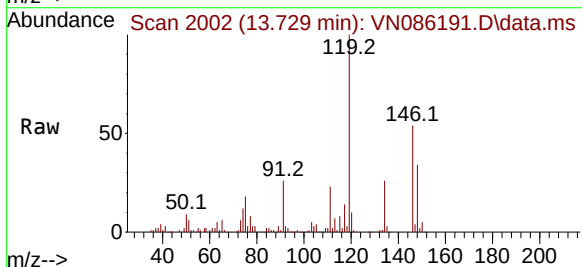
Tgt Ion:105 Resp: 372684
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.1

Manual Integrations
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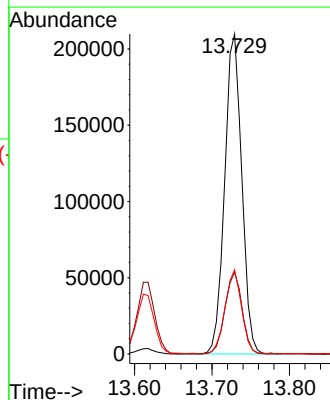
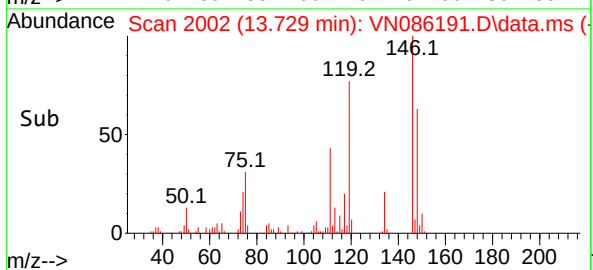
Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

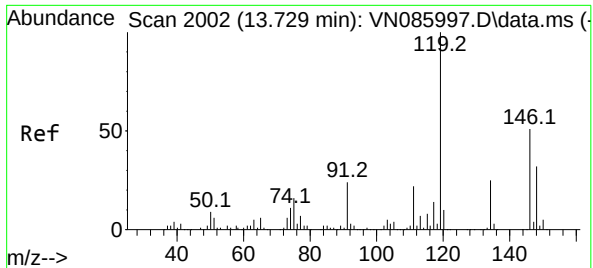


#86
 p-Isopropyltoluene
 Concen: 53.032 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN086191.D
 Acq: 01 Apr 2025 12:30



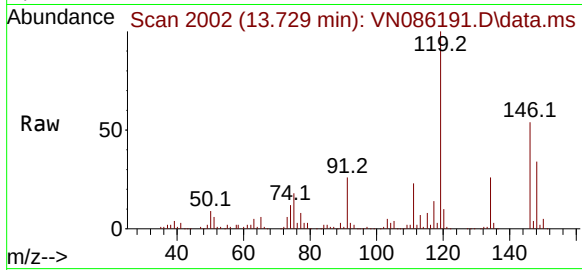
Tgt Ion:119 Resp: 322242
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.6 37.8
 91 25.6 12.3 36.8





#87
1,3-Dichlorobenzene
Concen: 49.269 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

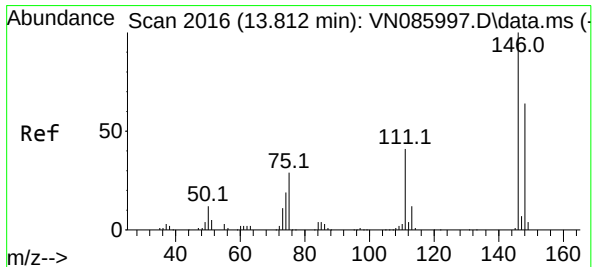
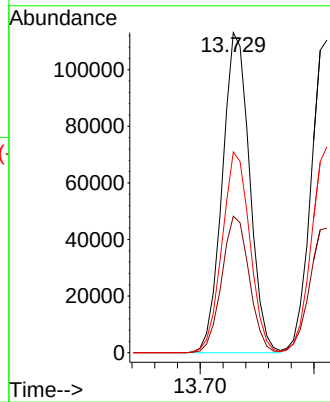
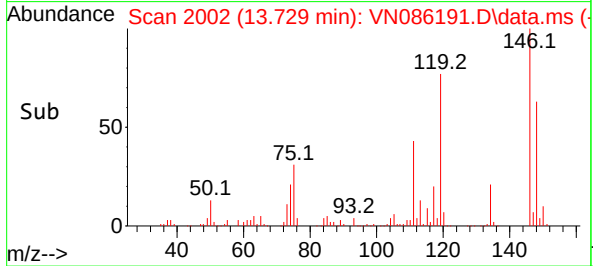
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 188702
Ion Ratio Lower Upper
146 100
111 43.0 21.2 63.6
148 63.9 31.8 95.4

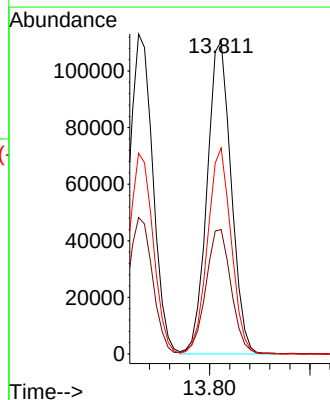
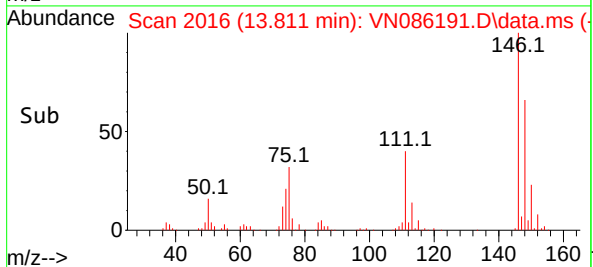
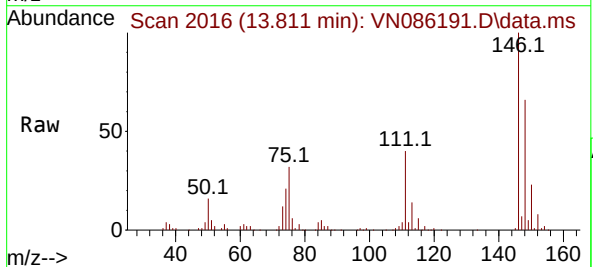
Manual Integrations
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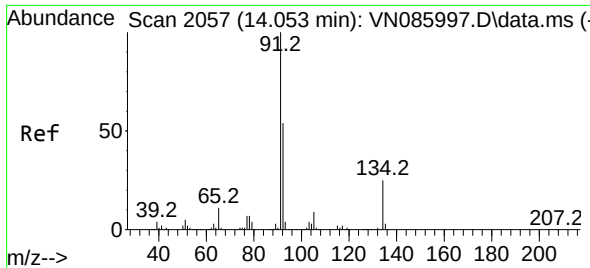
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#88
1,4-Dichlorobenzene
Concen: 45.917 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion:146 Resp: 184771
Ion Ratio Lower Upper
146 100
111 41.8 20.4 61.3
148 64.8 32.1 96.5





#89

n-Butylbenzene

Concen: 49.455 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

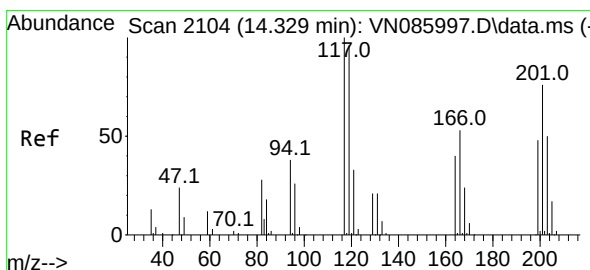
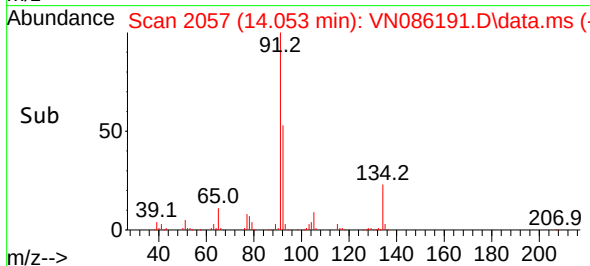
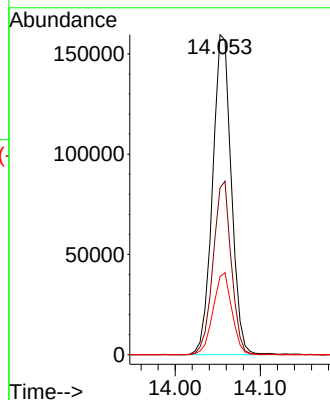
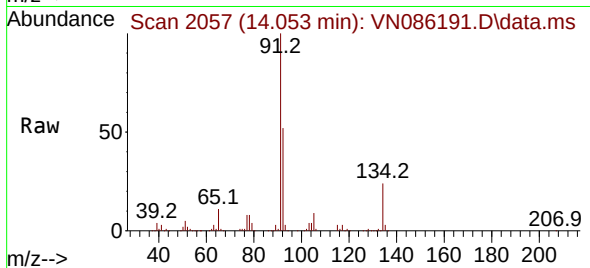
Tgt Ion:	91	Resp:	244714
Ion Ratio	Lower	Upper	
91	100		
92	52.5	26.9	80.6
134	25.6	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#90

Hexachloroethane

Concen: 45.911 ug/l

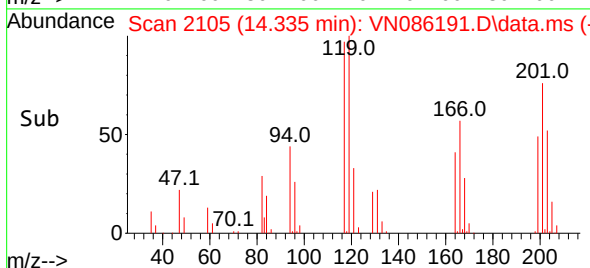
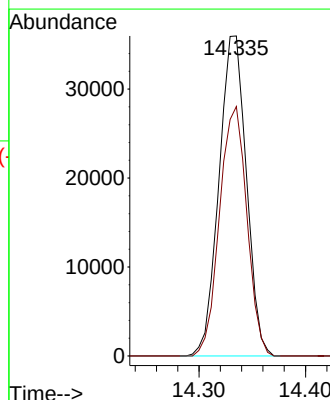
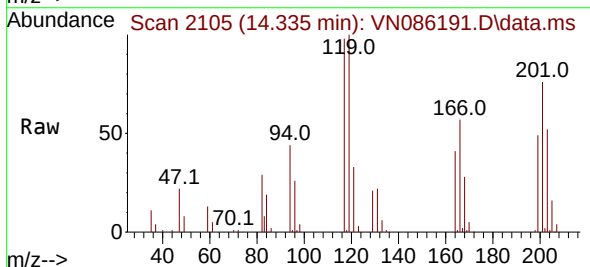
RT: 14.335 min Scan# 2105

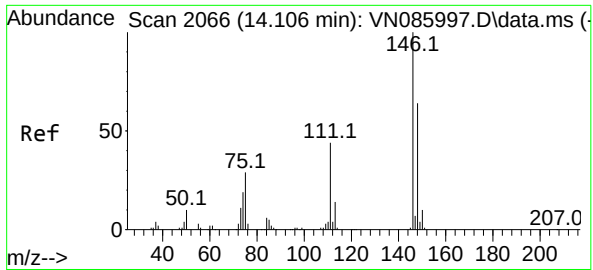
Delta R.T. 0.006 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

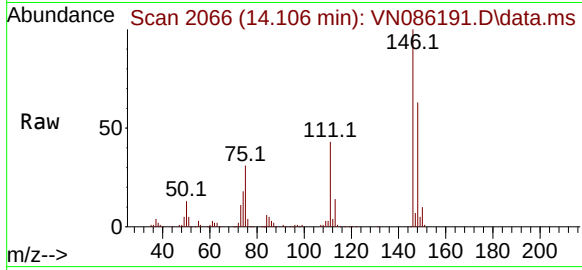
Tgt Ion:	117	Resp:	64371
Ion Ratio	Lower	Upper	
117	100		
201	77.6	39.1	117.3





#91
1,2-Dichlorobenzene
Concen: 47.744 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

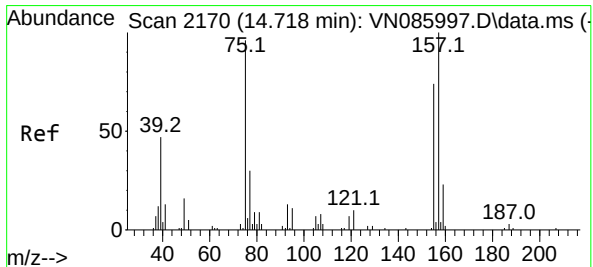
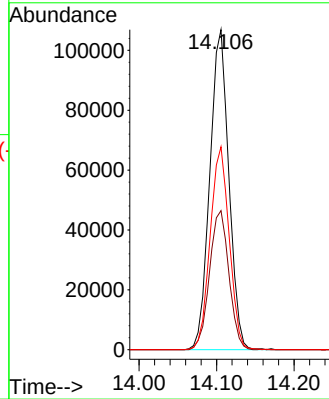
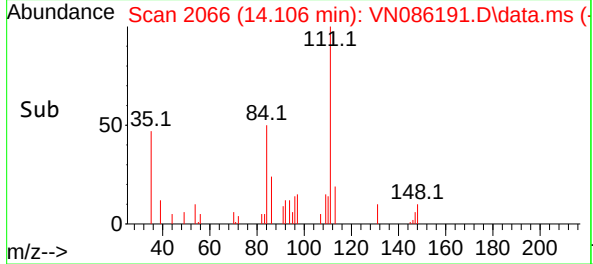
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 18178
Ion Ratio Lower Upper
146 100
111 44.4 22.3 66.8
148 63.6 32.1 96.5

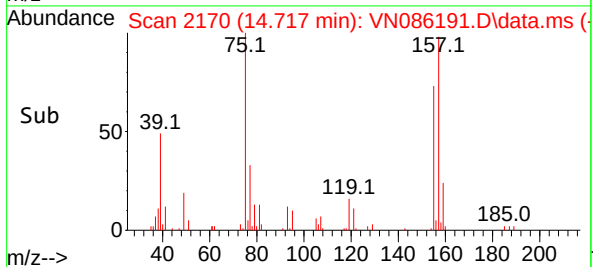
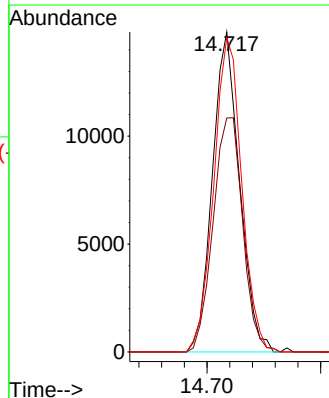
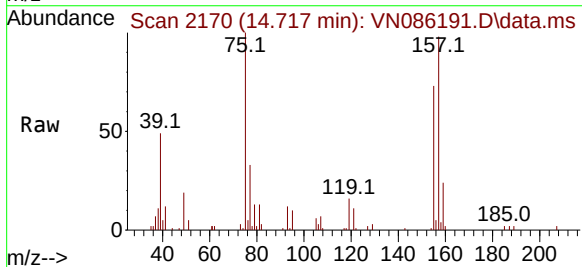
Manual Integrations
APPROVED

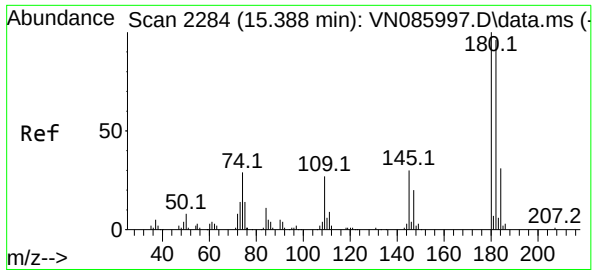
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.702 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion: 75 Resp: 24548
Ion Ratio Lower Upper
75 100
155 79.9 41.0 123.0
157 101.6 53.7 161.1





#93

1,2,4-Trichlorobenzene

Concen: 43.652 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 8356

Ion Ratio Lower Upper

180 100

182 96.1 47.0 141.0

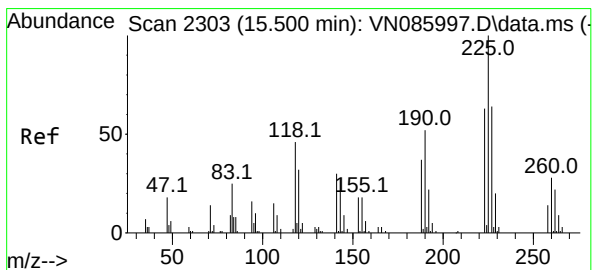
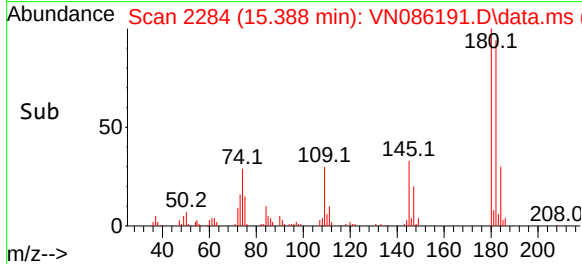
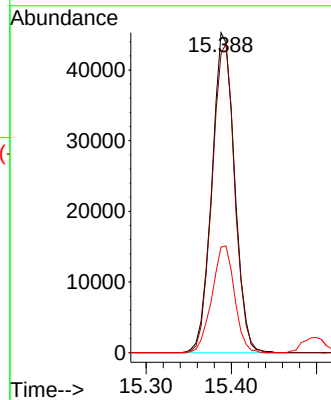
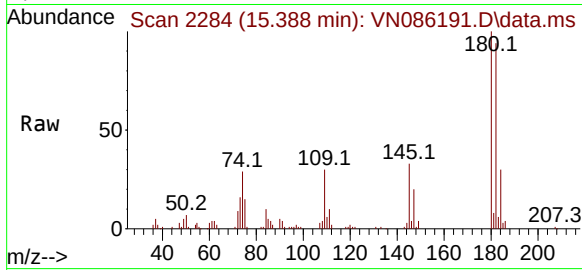
145 33.2 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#94

Hexachlorobutadiene

Concen: 41.866 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN086191.D

Acq: 01 Apr 2025 12:30

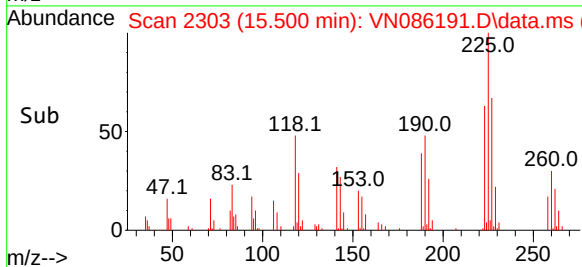
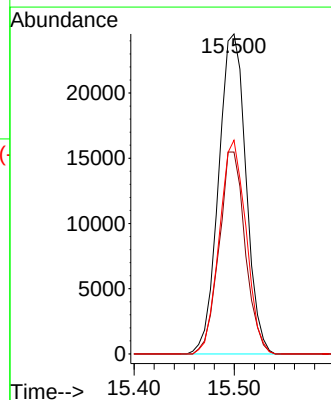
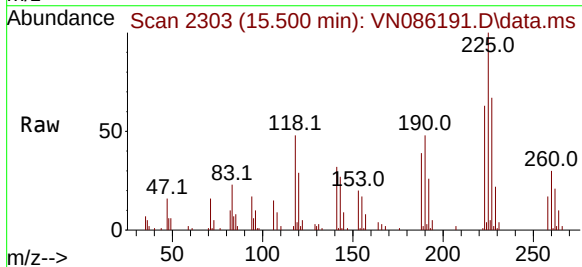
Tgt Ion:225 Resp: 46500

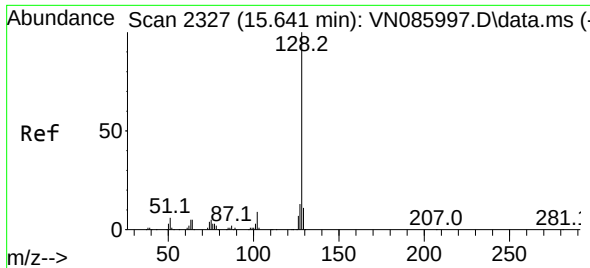
Ion Ratio Lower Upper

225 100

223 60.4 31.3 93.9

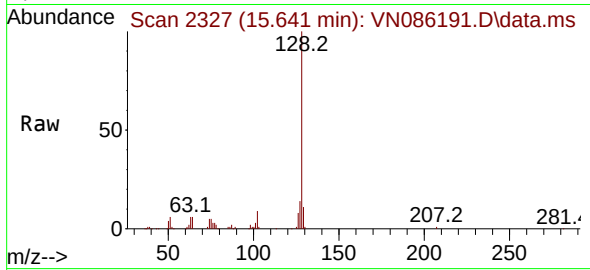
227 65.1 32.1 96.3





#95
Naphthalene
Concen: 45.041 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

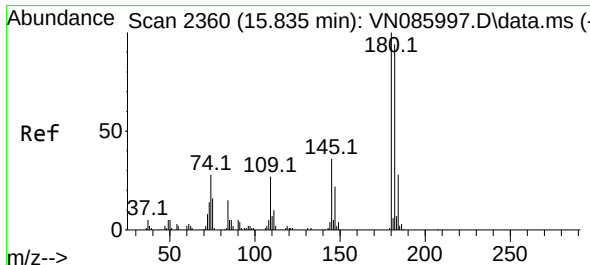
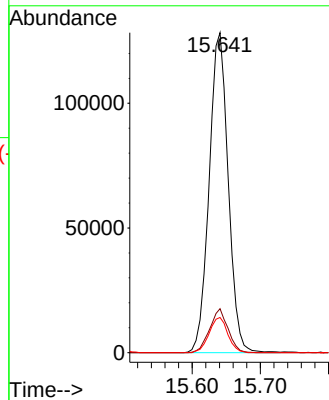
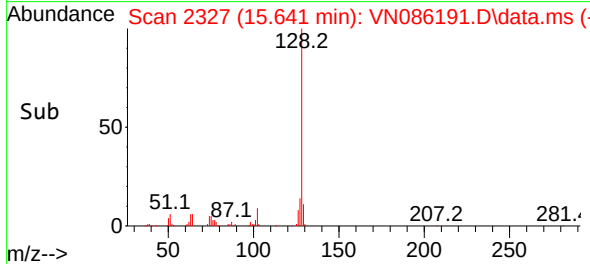
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 249688
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.8 9.0 13.6

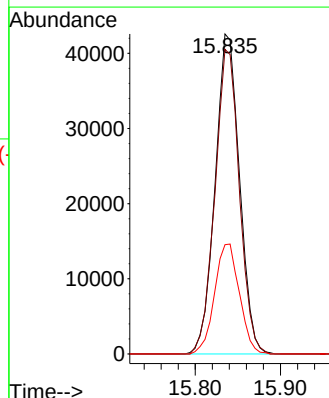
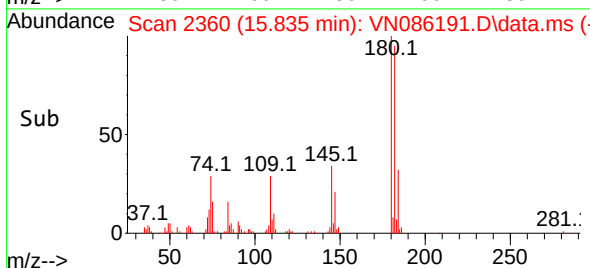
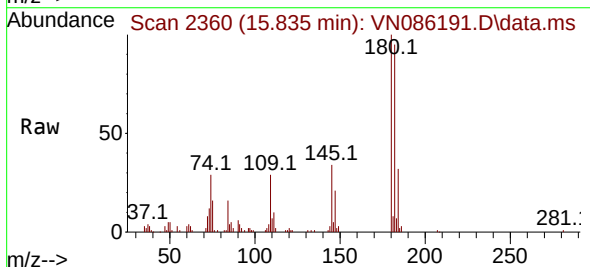
Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 46.550 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086191.D
Acq: 01 Apr 2025 12:30

Tgt Ion:180 Resp: 84562
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.5
145 35.0 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086191.D
 Acq On : 01 Apr 2025 12:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Apr 02 01:51:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	69	0.00
2 T	Dichlorodifluoromethane	0.662	0.804	-21.5	86	0.00
3 P	Chloromethane	0.581	0.654	-12.6	81	0.00
4 C	Vinyl Chloride	0.594	0.692	-16.5#	81	0.00
5 T	Bromomethane	0.404	0.386	4.5	70	0.00
6 T	Chloroethane	0.375	0.368	1.9	77	0.00
7 T	Trichlorofluoromethane	1.067	1.063	0.4	75	0.00
8 T	Diethyl Ether	0.327	0.278	15.0	59	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.567	0.536	5.5	72	0.00
10 T	Methyl Iodide	0.739	0.716	3.1	68	0.00
11 T	Tert butyl alcohol	0.097	0.085	12.4	62	0.00
12 CM	1,1-Dichloroethene	0.512	0.479	6.4#	64	0.00
13 T	Acrolein	0.103	0.076	26.2#	52	0.00
14 T	Allyl chloride	0.639	0.515	19.4	58	0.00
15 T	Acrylonitrile	0.256	0.242	5.5	67	0.00
16 T	Acetone	0.209	0.176	15.8	63	0.00
17 T	Carbon Disulfide	1.685	1.478	12.3	68	0.00
18 T	Methyl Acetate	0.518	0.482	6.9	71	0.00
19 T	Methyl tert-butyl Ether	1.679	1.653	1.5	67	0.00
20 T	Methylene Chloride	0.612	0.588	3.9	72	0.00
21 T	trans-1,2-Dichloroethene	0.560	0.557	0.5	72	0.00
22 T	Diisopropyl ether	1.362	1.305	4.2	65	0.00
23 T	Vinyl Acetate	1.032	0.996	3.5	64	0.00
24 P	1,1-Dichloroethane	1.001	0.969	3.2	71	0.00
25 T	2-Butanone	0.302	0.282	6.6	67	0.00
26 T	2,2-Dichloropropane	0.964	0.913	5.3	68	0.00
27 T	cis-1,2-Dichloroethene	0.636	0.652	-2.5	71	0.00
28 T	Bromochloromethane	0.424	0.412	2.8	73	0.00
29 T	Tetrahydrofuran	0.186	0.189	-1.6	67	0.00
30 C	Chloroform	1.107	1.147	-3.6#	78	0.00
31 T	Cyclohexane	0.853	0.798	6.4	69	0.00
32 T	1,1,1-Trichloroethane	1.048	1.109	-5.8	78	0.00
33 S	1,2-Dichloroethane-d4	0.685	0.742	-8.3	77	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	67	0.00
35 S	Dibromofluoromethane	0.349	0.363	-4.0	73	0.00
36 T	1,1-Dichloropropene	0.460	0.493	-7.2	73	0.00
37 T	Ethyl Acetate	0.388	0.377	2.8	69	0.00
38 T	Carbon Tetrachloride	0.604	0.691	-14.4	81	0.00
39 T	Methylcyclohexane	0.456	0.469	-2.9	67	0.00
40 TM	Benzene	1.443	1.549	-7.3	75	0.00
41 T	Methacrylonitrile	0.185	0.201	-8.6	70	0.00
42 TM	1,2-Dichloroethane	0.503	0.554	-10.1	79	0.00
43 T	Isopropyl Acetate	0.840	0.661	21.3	65	0.00
44 TM	Trichloroethene	0.374	0.367	1.9	72	0.00
45 C	1,2-Dichloropropane	0.328	0.346	-5.5#	73	0.00
46 T	Dibromomethane	0.258	0.286	-10.9	79	0.00
47 T	Bromodichloromethane	0.539	0.597	-10.8	78	0.00
48 T	Methyl methacrylate	0.277	0.301	-8.7	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086191.D
 Acq On : 01 Apr 2025 12:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Apr 02 01:51:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.007	0.007	0.0	73	0.00
50 S	Toluene-d8	1.267	1.382	-9.1	74	0.00
51 T	4-Methyl-2-Pentanone	0.371	0.423	-14.0	74	0.00
52 CM	Toluene	0.885	1.035	-16.9#	76	0.00
53 T	t-1,3-Dichloropropene	0.524	0.565	-7.8	71	0.00
54 T	cis-1,3-Dichloropropene	0.553	0.595	-7.6	71	0.00
55 T	1,1,2-Trichloroethane	0.338	0.380	-12.4	78	0.00
56 T	Ethyl methacrylate	0.463	0.544	-17.5	70	0.00
57 T	1,3-Dichloropropane	0.574	0.645	-12.4	77	0.00
58 T	2-Chloroethyl Vinyl ether	0.183	0.257	-40.4#	81	0.00
59 T	2-Hexanone	0.270	0.313	-15.9	74	0.00
60 T	Dibromochloromethane	0.436	0.499	-14.4	78	0.00
61 T	1,2-Dibromoethane	0.347	0.385	-11.0	74	0.00
62 S	4-Bromofluorobenzene	0.452	0.517	-14.4	75	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	72	0.00
64 T	Tetrachloroethene	0.399	0.411	-3.0	79	0.00
65 PM	Chlorobenzene	1.144	1.152	-0.7	76	0.00
66 T	1,1,1,2-Tetrachloroethane	0.425	0.449	-5.6	79	0.00
67 C	Ethyl Benzene	1.830	1.975	-7.9#	74	0.00
68 T	m/p-Xylenes	0.719	0.809	-12.5	77	0.00
69 T	o-Xylene	0.660	0.744	-12.7	75	0.00
70 T	Styrene	1.128	1.331	-18.0	78	0.00
71 P	Bromoform	0.356	0.377	-5.9	78	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
73 T	Isopropylbenzene	3.414	3.345	2.0	75	0.00
74 T	N-amyl acetate	1.142	1.070	6.3	71	0.00
75 P	1,1,2,2-Tetrachloroethane	1.155	1.028	11.0	79	0.00
76 T	1,2,3-Trichloropropane	1.119	1.016	9.2	71	0.00
77 T	Bromobenzene	0.952	0.898	5.7	80	0.00
78 T	n-propylbenzene	3.866	3.978	-2.9	77	0.00
79 T	2-Chlorotoluene	2.568	2.522	1.8	78	0.00
80 T	1,3,5-Trimethylbenzene	2.883	3.055	-6.0	79	0.00
81 T	trans-1,4-Dichloro-2-butene	0.423	0.363	14.2	71	0.00
82 T	4-Chlorotoluene	2.641	2.644	-0.1	79	0.00
83 T	tert-Butylbenzene	2.466	2.384	3.3	76	0.00
84 T	1,2,4-Trimethylbenzene	2.908	3.115	-7.1	81	0.00
85 T	sec-Butylbenzene	3.216	3.340	-3.9	77	0.00
86 T	p-Isopropyltoluene	2.723	2.888	-6.1	77	0.00
87 T	1,3-Dichlorobenzene	1.716	1.691	1.5	81	0.00
88 T	1,4-Dichlorobenzene	1.803	1.656	8.2	80	0.00
89 T	n-Butylbenzene	2.217	2.193	1.1	73	0.00
90 T	Hexachloroethane	0.628	0.577	8.1	80	0.00
91 T	1,2-Dichlorobenzene	1.706	1.629	4.5	83	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.231	0.220	4.8	80	0.00
93 T	1,2,4-Trichlorobenzene	0.858	0.749	12.7	71	0.00
94 T	Hexachlorobutadiene	0.498	0.417	16.3	76	0.00
95 T	Naphthalene	2.484	2.238	9.9	69	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086191.D
Acq On : 01 Apr 2025 12:30
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Apr 02 01:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.814	0.758	6.9	74	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086191.D
 Acq On : 01 Apr 2025 12:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Apr 02 01:51:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	69	0.00
2 T	Dichlorodifluoromethane	50.000	60.662	-21.3	86	0.00
3 P	Chloromethane	50.000	56.350	-12.7	81	0.00
4 C	Vinyl Chloride	50.000	58.261	-16.5#	81	0.00
5 T	Bromomethane	50.000	47.678	4.6	70	0.00
6 T	Chloroethane	50.000	49.119	1.8	77	0.00
7 T	Trichlorofluoromethane	50.000	49.782	0.4	75	0.00
8 T	Diethyl Ether	50.000	42.596	14.8	59	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.277	5.4	72	0.00
10 T	Methyl Iodide	50.000	48.417	3.2	68	0.00
11 T	Tert butyl alcohol	250.000	219.694	12.1	62	0.00
12 CM	1,1-Dichloroethene	50.000	46.789	6.4#	64	0.00
13 T	Acrolein	250.000	182.699	26.9#	52	0.00
14 T	Allyl chloride	50.000	40.294	19.4	58	0.00
15 T	Acrylonitrile	250.000	235.861	5.7	67	0.00
16 T	Acetone	250.000	210.819	15.7	63	0.00
17 T	Carbon Disulfide	50.000	43.857	12.3	68	0.00
18 T	Methyl Acetate	50.000	46.530	6.9	71	0.00
19 T	Methyl tert-butyl Ether	50.000	49.233	1.5	67	0.00
20 T	Methylene Chloride	50.000	48.030	3.9	72	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.791	0.4	72	0.00
22 T	Diisopropyl ether	50.000	47.921	4.2	65	0.00
23 T	Vinyl Acetate	250.000	241.172	3.5	64	0.00
24 P	1,1-Dichloroethane	50.000	48.404	3.2	71	0.00
25 T	2-Butanone	250.000	233.461	6.6	67	0.00
26 T	2,2-Dichloropropane	50.000	47.344	5.3	68	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.224	-2.4	71	0.00
28 T	Bromochloromethane	50.000	48.515	3.0	73	0.00
29 T	Tetrahydrofuran	250.000	253.767	-1.5	67	0.00
30 C	Chloroform	50.000	51.821	-3.6#	78	0.00
31 T	Cyclohexane	50.000	46.757	6.5	69	0.00
32 T	1,1,1-Trichloroethane	50.000	52.943	-5.9	78	0.00
33 S	1,2-Dichloroethane-d4	50.000	54.185	-8.4	77	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	67	0.00
35 S	Dibromofluoromethane	50.000	51.964	-3.9	73	0.00
36 T	1,1-Dichloropropene	50.000	53.617	-7.2	73	0.00
37 T	Ethyl Acetate	50.000	48.680	2.6	69	0.00
38 T	Carbon Tetrachloride	50.000	57.173	-14.3	81	0.00
39 T	Methylcyclohexane	50.000	51.425	-2.8	67	0.00
40 TM	Benzene	50.000	53.684	-7.4	75	0.00
41 T	Methacrylonitrile	50.000	54.310	-8.6	70	0.00
42 TM	1,2-Dichloroethane	50.000	55.093	-10.2	79	0.00
43 T	Isopropyl Acetate	50.000	39.330	21.3	65	0.00
44 TM	Trichloroethene	50.000	49.095	1.8	72	0.00
45 C	1,2-Dichloropropane	50.000	52.691	-5.4#	73	0.00
46 T	Dibromomethane	50.000	55.405	-10.8	79	0.00
47 T	Bromodichloromethane	50.000	55.345	-10.7	78	0.00
48 T	Methyl methacrylate	50.000	54.205	-8.4	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086191.D
 Acq On : 01 Apr 2025 12:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Apr 02 01:51:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1134.096	-13.4	73	0.00
50 S	Toluene-d8	50.000	54.542	-9.1	74	0.00
51 T	4-Methyl-2-Pentanone	250.000	285.346	-14.1	74	0.00
52 CM	Toluene	50.000	58.421	-16.8#	76	0.00
53 T	t-1,3-Dichloropropene	50.000	53.936	-7.9	71	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.797	-7.6	71	0.00
55 T	1,1,2-Trichloroethane	50.000	56.188	-12.4	78	0.00
56 T	Ethyl methacrylate	50.000	51.295	-2.6	70	0.00
57 T	1,3-Dichloropropane	50.000	56.160	-12.3	77	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	304.296	-21.7	81	0.00
59 T	2-Hexanone	250.000	290.158	-16.1	74	0.00
60 T	Dibromochloromethane	50.000	57.261	-14.5	78	0.00
61 T	1,2-Dibromoethane	50.000	55.473	-10.9	74	0.00
62 S	4-Bromofluorobenzene	50.000	57.194	-14.4	75	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	72	0.00
64 T	Tetrachloroethene	50.000	51.506	-3.0	79	0.00
65 PM	Chlorobenzene	50.000	50.343	-0.7	76	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.796	-5.6	79	0.00
67 C	Ethyl Benzene	50.000	53.956	-7.9#	74	0.00
68 T	m/p-Xylenes	100.000	112.511	-12.5	77	0.00
69 T	o-Xylene	50.000	56.358	-12.7	75	0.00
70 T	Styrene	50.000	59.027	-18.1	78	0.00
71 P	Bromoform	50.000	53.039	-6.1	78	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	81	0.00
73 T	Isopropylbenzene	50.000	48.987	2.0	75	0.00
74 T	N-amyl acetate	50.000	46.828	6.3	71	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	44.496	11.0	79	0.00
76 T	1,2,3-Trichloropropane	50.000	45.386	9.2	71	0.00
77 T	Bromobenzene	50.000	47.181	5.6	80	0.00
78 T	n-propylbenzene	50.000	51.446	-2.9	77	0.00
79 T	2-Chlorotoluene	50.000	49.095	1.8	78	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.995	-6.0	79	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	42.843	14.3	71	0.00
82 T	4-Chlorotoluene	50.000	50.057	-0.1	79	0.00
83 T	tert-Butylbenzene	50.000	48.341	3.3	76	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.574	-7.1	81	0.00
85 T	sec-Butylbenzene	50.000	51.919	-3.8	77	0.00
86 T	p-Isopropyltoluene	50.000	53.032	-6.1	77	0.00
87 T	1,3-Dichlorobenzene	50.000	49.269	1.5	81	0.00
88 T	1,4-Dichlorobenzene	50.000	45.917	8.2	80	0.00
89 T	n-Butylbenzene	50.000	49.455	1.1	73	0.00
90 T	Hexachloroethane	50.000	45.911	8.2	80	0.00
91 T	1,2-Dichlorobenzene	50.000	47.744	4.5	83	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.702	4.6	80	0.00
93 T	1,2,4-Trichlorobenzene	50.000	43.652	12.7	71	0.00
94 T	Hexachlorobutadiene	50.000	41.866	16.3	76	0.00
95 T	Naphthalene	50.000	45.041	9.9	69	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086191.D
Acq On : 01 Apr 2025 12:30
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Apr 02 01:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.550	6.9	74	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



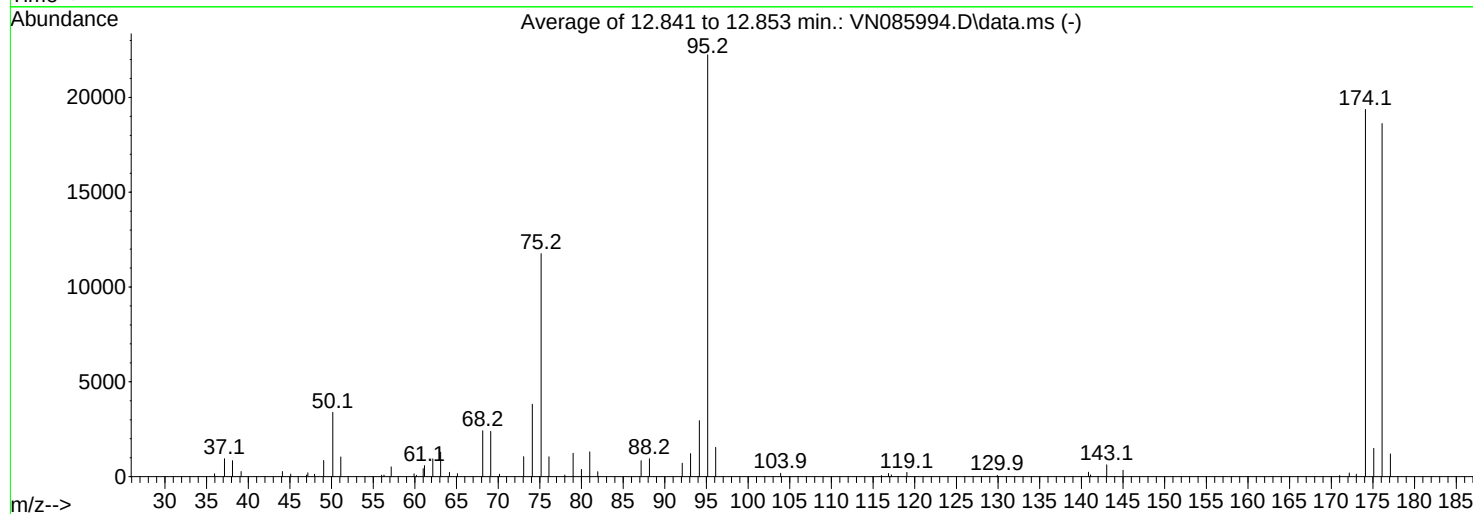
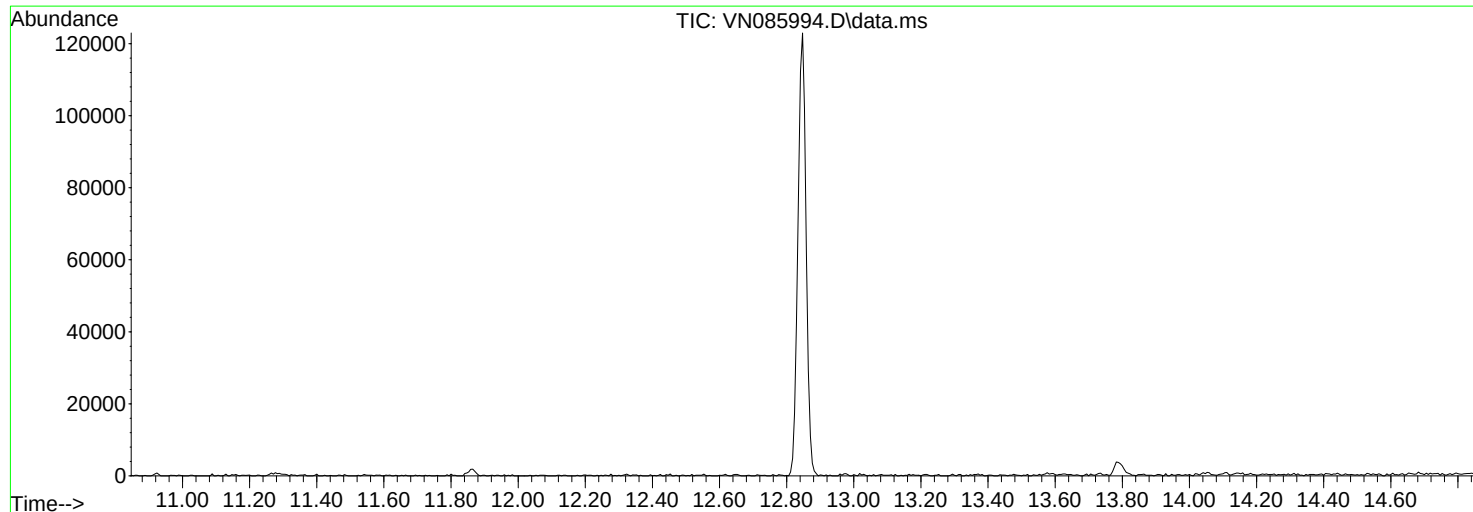
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085994.D
Acq On : 18 Mar 2025 08:52
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	3392	PASS
75	95	30	60	52.9	11766	PASS
95	95	100	100	100.0	22245	PASS
96	95	5	9	6.9	1542	PASS
173	174	0.00	2	0.7	126	PASS
174	95	50	100	87.1	19365	PASS
175	174	5	9	7.7	1497	PASS
176	174	95	101	96.2	18624	PASS
177	176	5	9	6.4	1198	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	156	51.10	1035	65.10	157	81.00	131
37.15	946	56.00	73	68.15	2419	81.95	26
38.10	841	56.30	84	69.10	2389	87.15	84
39.15	274	57.15	518	70.15	126	88.15	94
44.10	272	59.90	150	73.05	1053	92.10	711
45.10	136	60.20	68	74.10	3825	93.10	1217
47.00	83	61.00	426	75.15	11766	94.15	2957
47.15	204	61.15	582	76.10	1047	95.15	22245
47.95	123	62.15	935	78.00	81	96.10	1542
49.05	855	63.10	1288	79.00	1234	103.90	175
50.15	3392	64.15	232	80.00	379	116.00	62

Average of 12.841 to 12.853 min.: VN085994.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.85	173	174.10	19365				
117.20	93	175.10	1497				
119.05	226	176.10	18624				
129.90	71	177.10	1198				
140.85	239						
141.10	92						
143.05	623						
145.00	335						
171.00	57						
172.15	198						
173.00	126						

Instrument :

MSVOA_N

ClientSampleId :

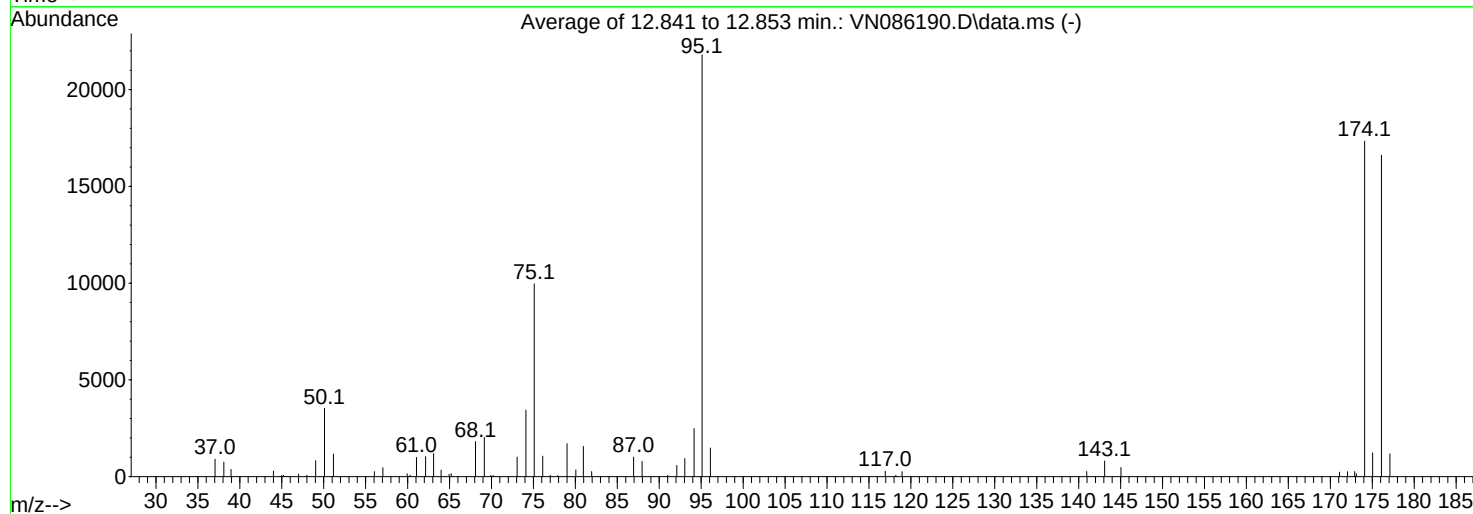
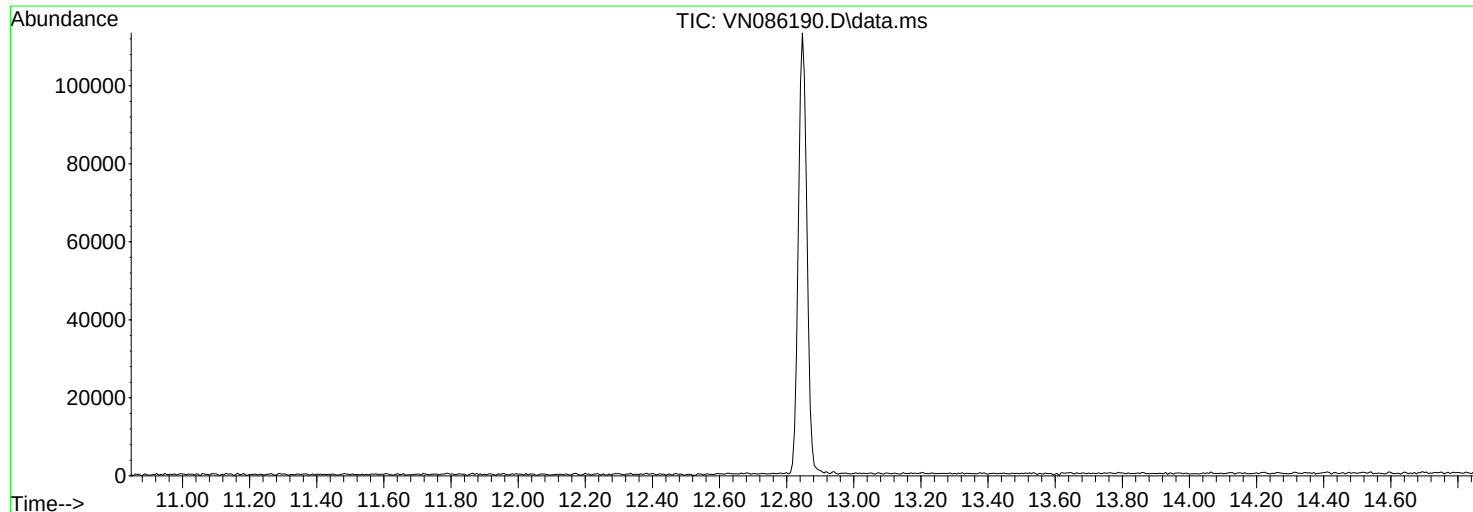
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086190.D
Acq On : 01 Apr 2025 11:41
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	3530	PASS
75	95	30	60	45.7	9962	PASS
95	95	100	100	100.0	21795	PASS
96	95	5	9	6.8	1483	PASS
173	174	0.00	2	1.5	263	PASS
174	95	50	100	79.6	17338	PASS
175	174	5	9	7.1	1235	PASS
176	174	95	101	95.8	16612	PASS
177	176	5	9	7.1	1174	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.05	903	56.05	258	69.15	2022	80.95	156
38.10	756	57.05	463	69.90	61	81.95	26
38.95	372	59.95	147	70.20	64	86.95	101
44.00	288	60.30	76	73.05	1007	87.95	78
45.00	64	61.05	994	74.10	3443	91.00	63
45.20	64	62.15	1036	75.10	9962	92.10	577
47.00	134	63.10	1192	76.10	1060	93.05	934
48.00	78	64.00	338	77.00	76	94.15	2485
49.05	831	64.95	128	77.90	61	95.10	21795
50.10	3530	65.20	161	79.00	1706	96.10	1483
51.15	1170	68.10	1807	80.05	350	116.95	287

Average of 12.841 to 12.853 min.: VN086190.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
118.20	72	176.10	16612				
118.95	255	177.10	1174				
140.95	263						
143.10	809						
145.05	469						
171.10	228						
172.05	255						
172.90	263						
173.10	149						
174.10	17338						
175.05	1235						

Instrument :

MSVOA_N

ClientSampleId :

BFB

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBL01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086193.D	1		04/01/25 13:29	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	0.14	U	0.14	5.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBL01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086193.D	1		04/01/25 13:29	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	10.0	ug/L
95-47-6	o-Xylene	0.12	U	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.5		70 (74) - 130 (125)	121%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		70 (75) - 130 (124)	108%	SPK: 50
2037-26-5	Toluene-d8	47.4		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	103000	8.224			
540-36-3	1,4-Difluorobenzene	184000	9.1			
3114-55-4	Chlorobenzene-d5	165000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	65200	13.788			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBL01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086193.D	1		04/01/25 13:29	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086193.D
 Acq On : 01 Apr 2025 13:29
 Operator : JC\MD
 Sample : VN0401WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBL01

Quant Time: Apr 02 01:52:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	103379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	183913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	165471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	65170	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	85684	60.528	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	121.060%
35) Dibromofluoromethane	8.165	113	69132	53.854	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.700%
50) Toluene-d8	10.565	98	220661	47.363	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.720%
62) 4-Bromofluorobenzene	12.847	95	72749	43.785	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.580%

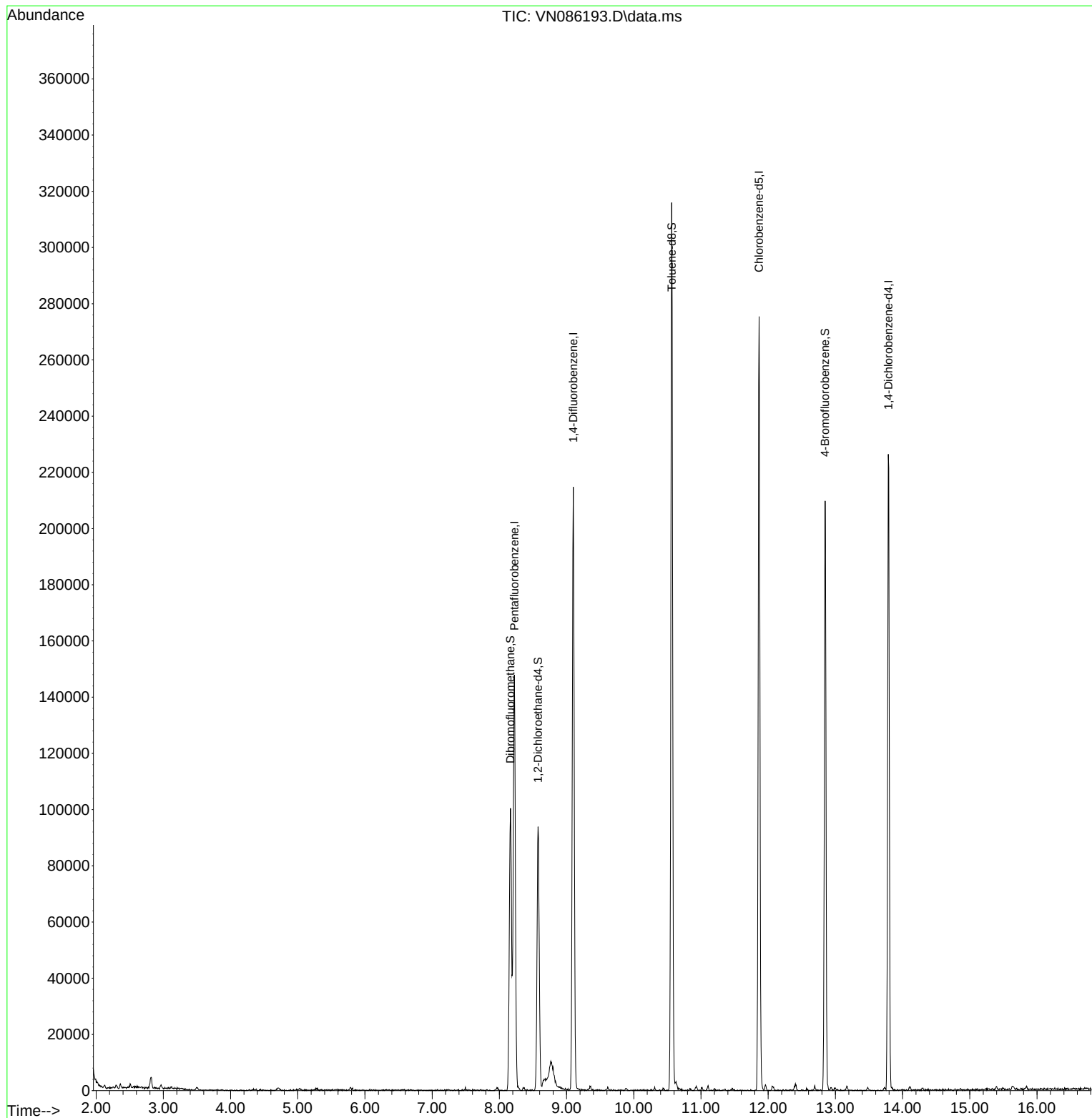
Target Compounds	Qvalue

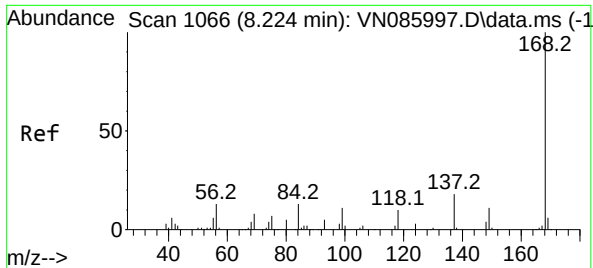
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Time: Apr 02 01:52:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

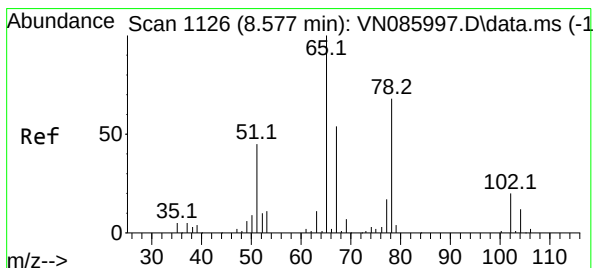
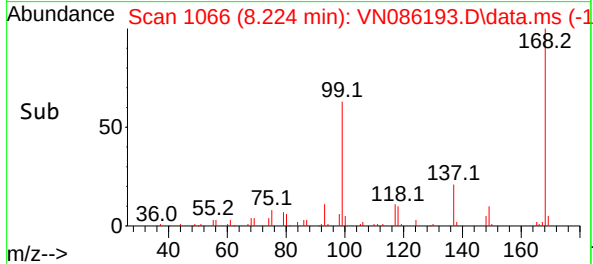
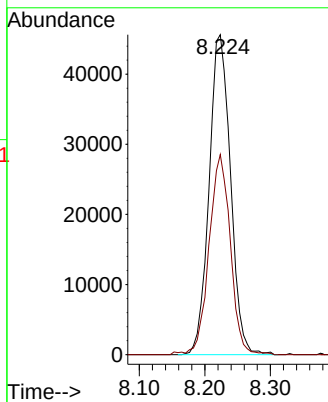
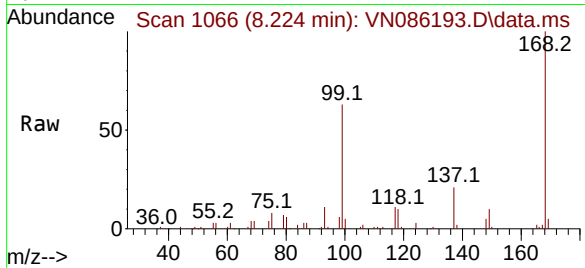




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

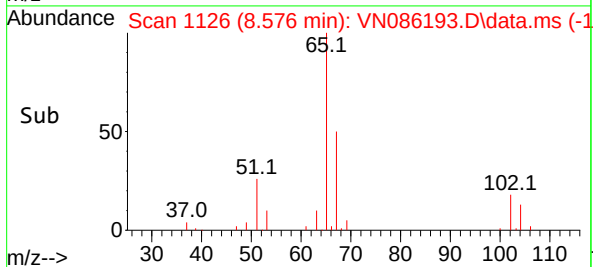
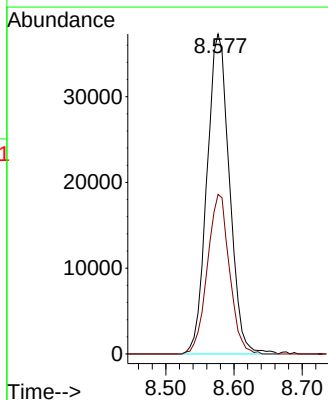
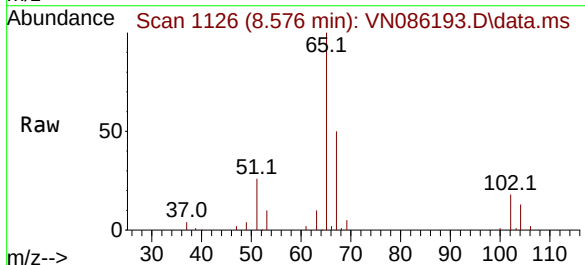
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

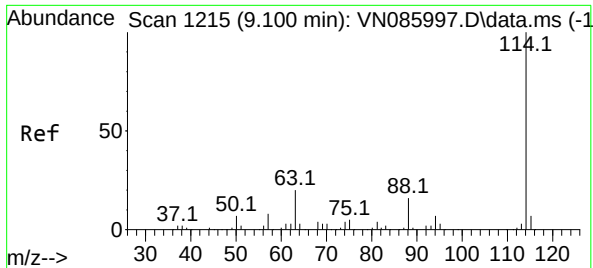
Tgt Ion:168 Resp: 103379
Ion Ratio Lower Upper
168 100
99 62.6 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 60.528 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Tgt Ion: 65 Resp: 85684
Ion Ratio Lower Upper
65 100
67 48.9 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086193.D

Acq: 01 Apr 2025 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBL01

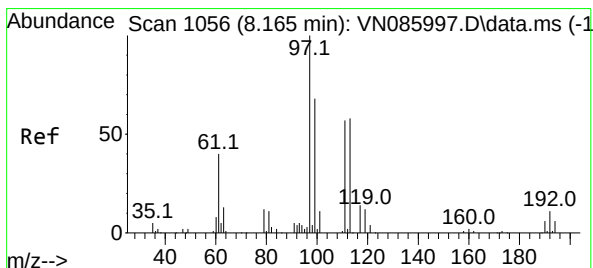
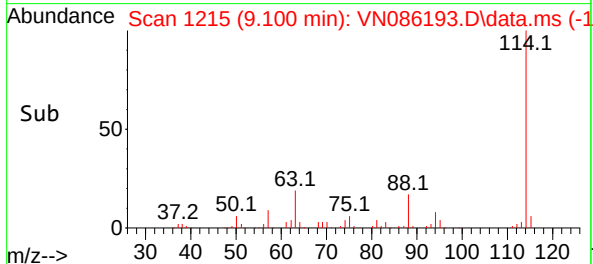
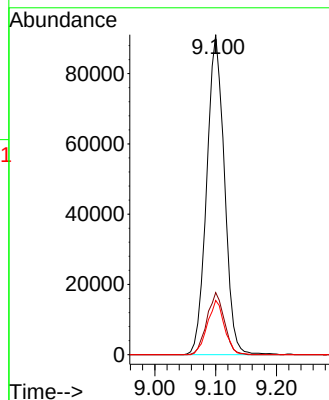
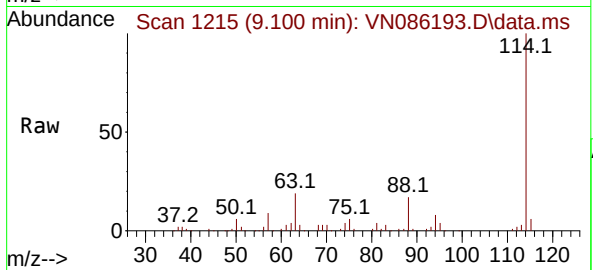
Tgt Ion:114 Resp: 183913

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.854 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086193.D

Acq: 01 Apr 2025 13:29

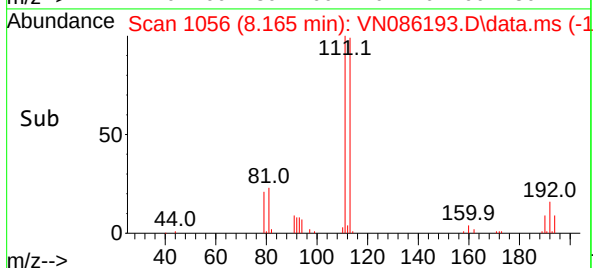
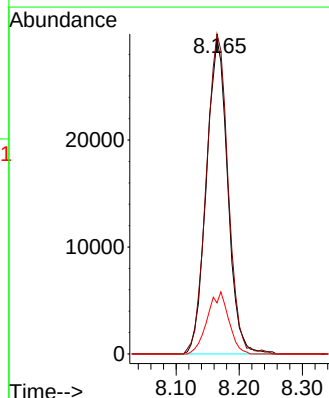
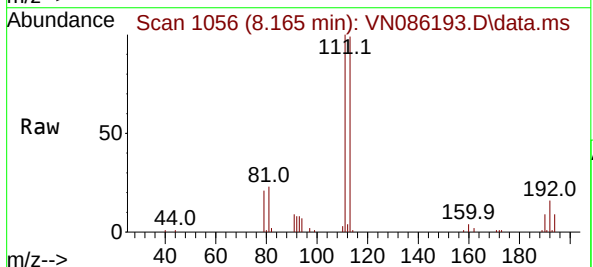
Tgt Ion:113 Resp: 69132

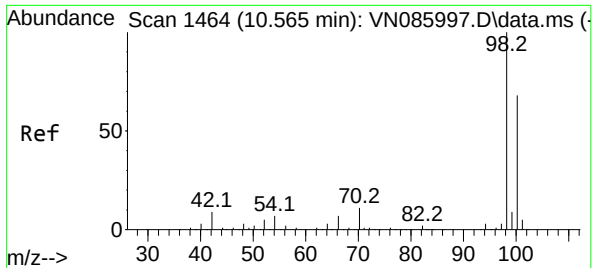
Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

192 19.7 15.9 23.9

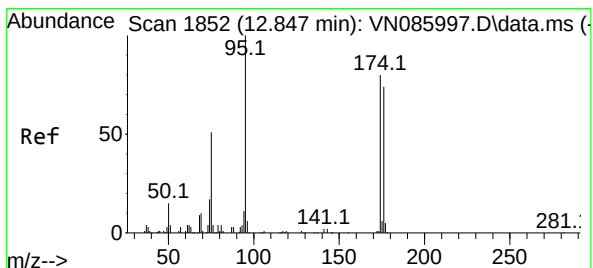
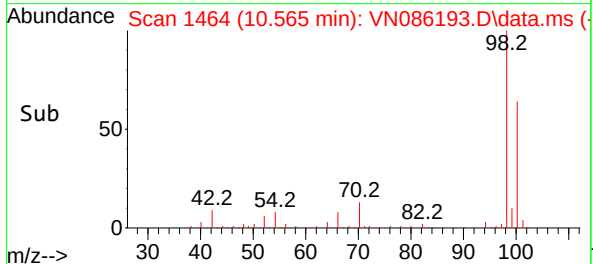
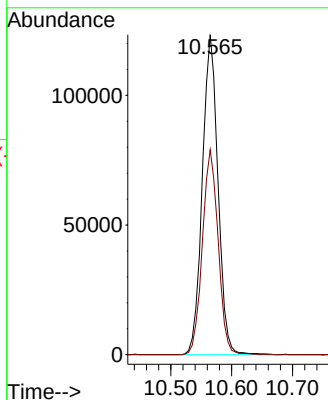
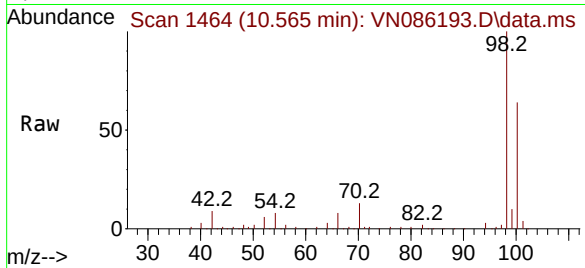




#50
Toluene-d8
Concen: 47.363 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

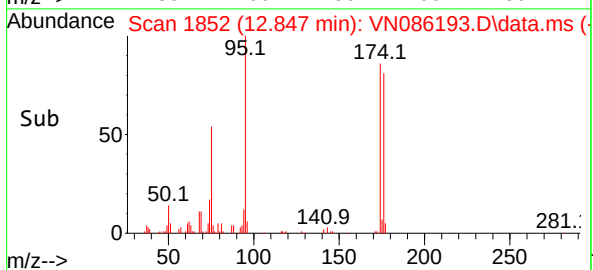
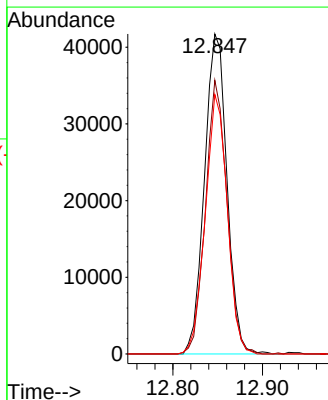
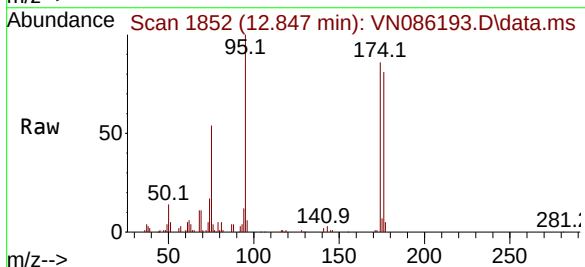
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

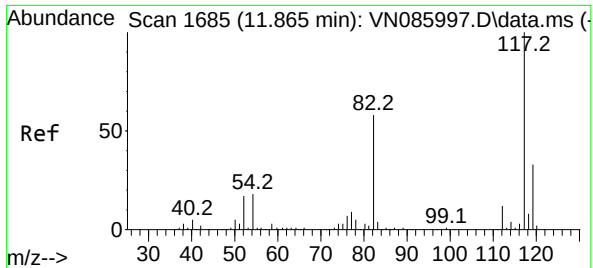
Tgt Ion: 98 Resp: 220661
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 43.785 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Tgt Ion: 95 Resp: 72749
Ion Ratio Lower Upper
95 100
174 81.5 0.0 156.8
176 79.2 0.0 152.2

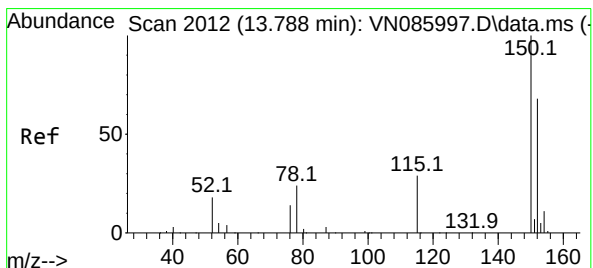
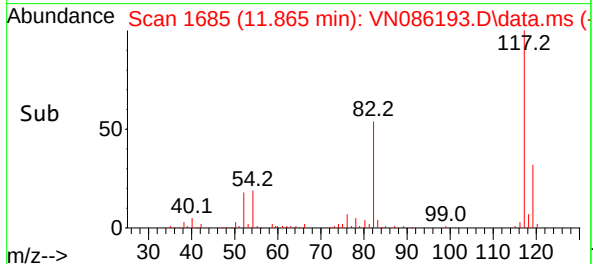
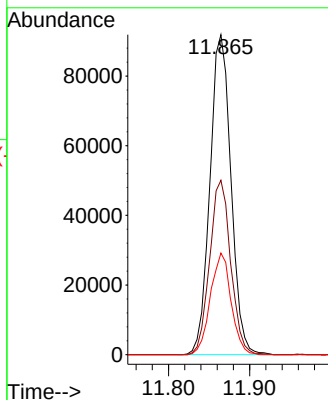
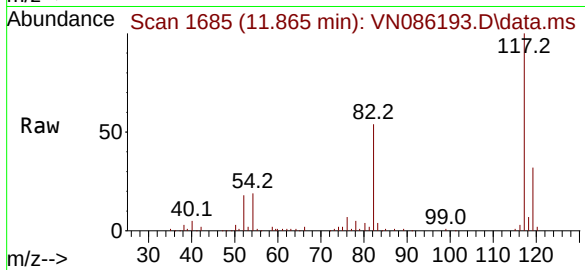




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

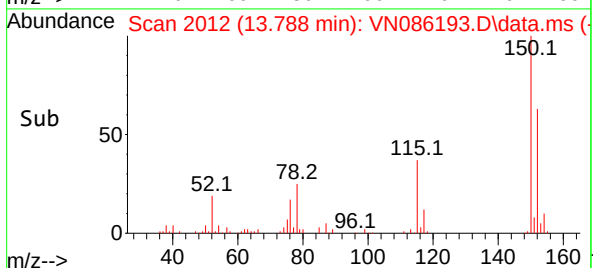
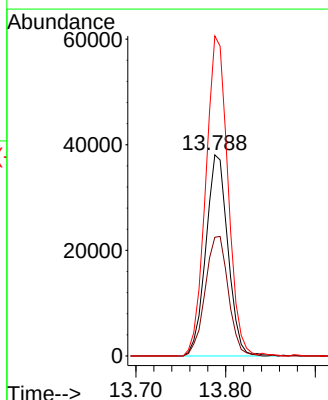
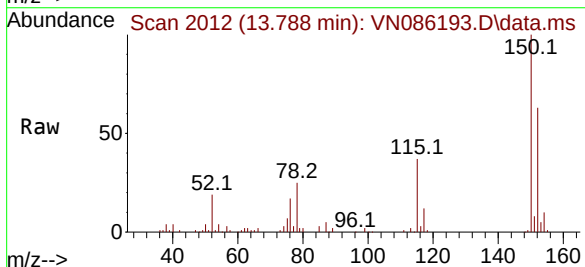
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Tgt Ion:117 Resp: 165471
Ion Ratio Lower Upper
117 100
82 54.5 46.7 70.1
119 31.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Tgt Ion:152 Resp: 65170
Ion Ratio Lower Upper
152 100
115 62.1 31.1 93.2
150 159.8 0.0 359.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

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_N\methods\82N031825W.M

Title : SW846 8260

Signal : TIC: VN086193.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.818	141	147	152	rVB3	3923	7612	1.34%	0.250%
2	8.165	1047	1056	1060	rBV3	100509	229612	40.35%	7.532%
3	8.224	1060	1066	1074	rVB	146759	327141	57.49%	10.731%
4	8.577	1116	1126	1135	rBV	93878	216311	38.01%	7.095%
5	8.665	1135	1141	1144	rBV4	2654	5876	1.03%	0.193%
6	8.765	1151	1158	1169	rVB5	7466	27726	4.87%	0.909%
7	9.100	1207	1215	1225	rBV	214341	428780	75.35%	14.065%
8	10.565	1455	1464	1472	rBV	315985	569071	100.00%	18.666%
9	11.865	1678	1685	1696	rVB	275450	492139	86.48%	16.143%
10	12.847	1843	1852	1863	rBV	209830	358078	62.92%	11.746%
11	13.788	2006	2012	2020	rBV	226113	386292	67.88%	12.671%

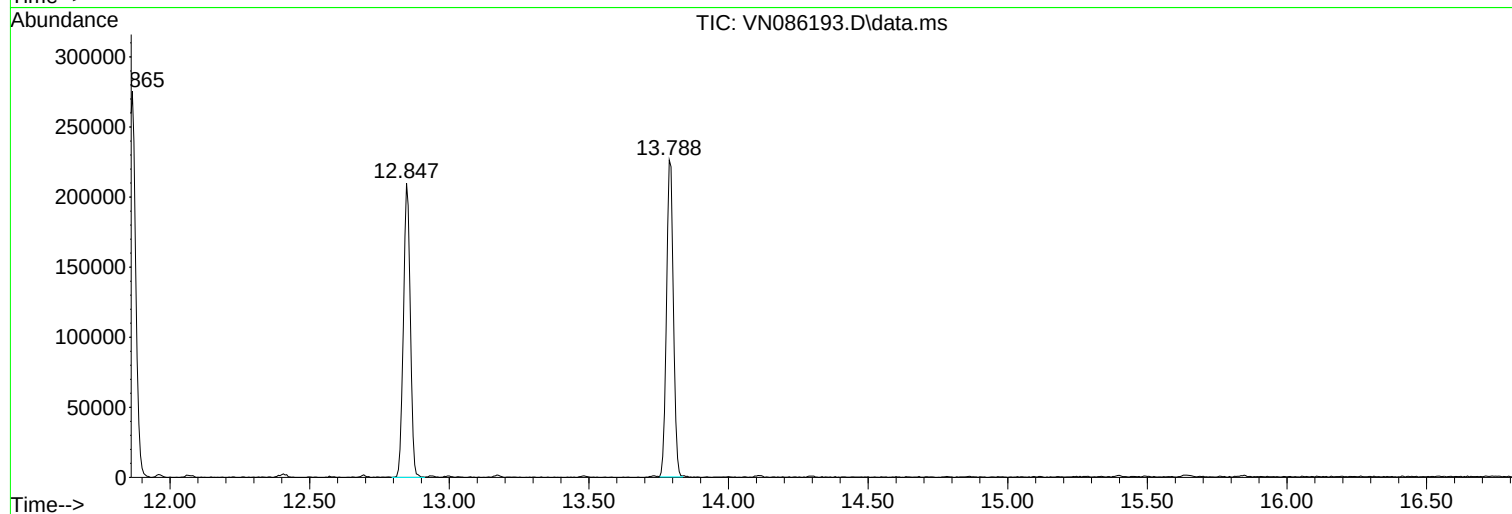
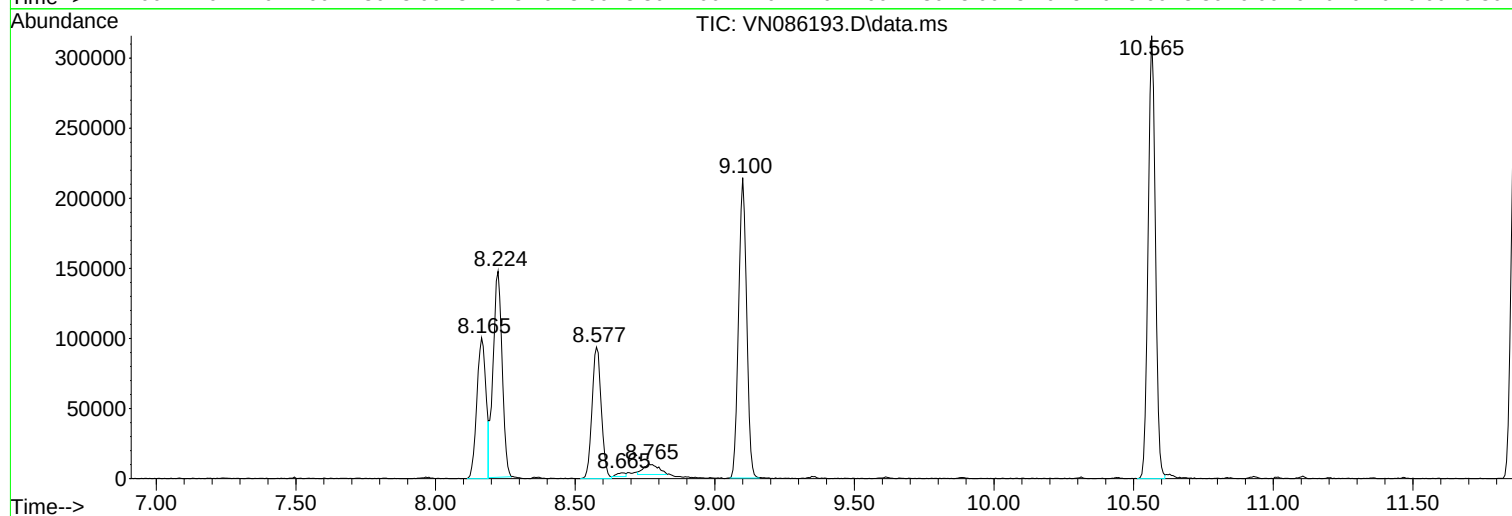
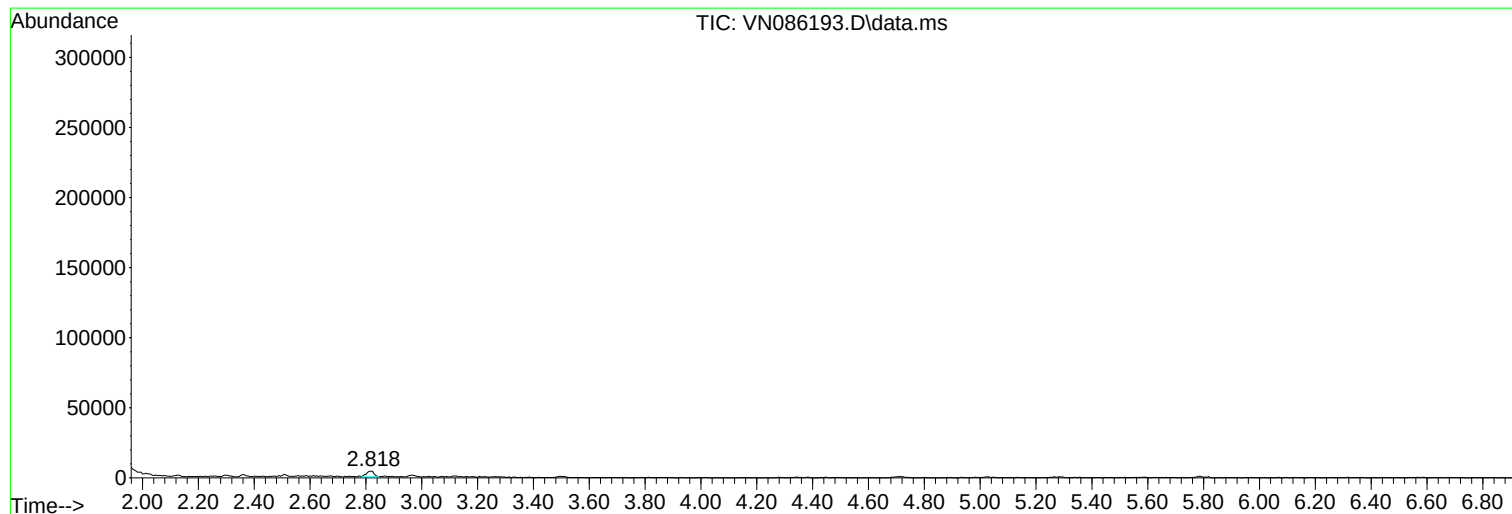
Sum of corrected areas: 3048638

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.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_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBS01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086194.D	1		04/01/25 13:54	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	24.5		0.22	5.00	ug/L
74-87-3	Chloromethane	20.0		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	22.0		0.26	5.00	ug/L
74-83-9	Bromomethane	20.2		1.40	5.00	ug/L
75-00-3	Chloroethane	20.0		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	20.2		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.23	5.00	ug/L
67-64-1	Acetone	82.0		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	16.8		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.2		0.16	5.00	ug/L
79-20-9	Methyl Acetate	16.5		0.27	5.00	ug/L
75-09-2	Methylene Chloride	18.2		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.3		0.23	5.00	ug/L
110-82-7	Cyclohexane	17.1		1.50	5.00	ug/L
78-93-3	2-Butanone	84.1		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	22.0		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.3		0.19	5.00	ug/L
74-97-5	Bromochloromethane	20.5		0.22	5.00	ug/L
67-66-3	Chloroform	20.0		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.9		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	18.1		0.16	5.00	ug/L
71-43-2	Benzene	19.3		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	5.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.4		0.68	25.0	ug/L
108-88-3	Toluene	21.3		0.14	5.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBS01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086194.D	1		04/01/25 13:54	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.3		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.8		0.21	5.00	ug/L
591-78-6	2-Hexanone	100		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	5.00	ug/L
108-90-7	Chlorobenzene	18.4		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.24	10.0	ug/L
95-47-6	o-Xylene	19.8		0.12	5.00	ug/L
100-42-5	Styrene	19.5		0.15	5.00	ug/L
75-25-2	Bromoform	19.8		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	17.7		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.0		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.0		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.7		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.4		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.0		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	125000	8.224			
540-36-3	1,4-Difluorobenzene	197000	9.1			
3114-55-4	Chlorobenzene-d5	189000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	101000	13.788			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBS01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086194.D	1		04/01/25 13:54	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086194.D
 Acq On : 01 Apr 2025 13:54
 Operator : JC\MD
 Sample : VN0401WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 01:52:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	124765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	197440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	188658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	88944	52.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.120%			
35) Dibromofluoromethane	8.165	113	68069	49.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.780%			
50) Toluene-d8	10.565	98	248615	49.707	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.420%			
62) 4-Bromofluorobenzene	12.847	95	91284	51.176	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	40556	24.536	ug/l	98
3) Chloromethane	2.359	50	28996	20.010	ug/l	97
4) Vinyl Chloride	2.512	62	32567	21.980	ug/l	99
5) Bromomethane	2.953	94	20347	20.161	ug/l #	77
6) Chloroethane	3.118	64	18693	19.999	ug/l	93
7) Trichlorofluoromethane	3.495	101	53834	20.212	ug/l	96
8) Diethyl Ether	3.965	74	13181	16.166	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	27519	19.440	ug/l	98
10) Methyl Iodide	4.589	142	32348	17.538	ug/l #	82
11) Tert butyl alcohol	5.524	59	20333	84.060	ug/l	99
12) 1,1-Dichloroethene	4.348	96	23281	18.214	ug/l	92
13) Acrolein	4.183	56	13313	51.602	ug/l	91
14) Allyl chloride	5.024	41	24353	15.272	ug/l	92
15) Acrylonitrile	5.718	53	54212	84.862	ug/l	98
16) Acetone	4.424	43	42813	82.025	ug/l	96
17) Carbon Disulfide	4.712	76	70649	16.807	ug/l	99
18) Methyl Acetate	5.024	43	21369	16.547	ug/l	94
19) Methyl tert-butyl Ether	5.794	73	76425	18.246	ug/l	93
20) Methylene Chloride	5.277	84	27861	18.247	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	26530	18.992	ug/l	85
22) Diisopropyl ether	6.665	45	58841	17.315	ug/l	98
23) Vinyl Acetate	6.606	43	217474	84.422	ug/l	98
24) 1,1-Dichloroethane	6.565	63	45668	18.276	ug/l	98
25) 2-Butanone	7.483	43	63314	84.066	ug/l	93
26) 2,2-Dichloropropane	7.488	77	48649	20.222	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	29027	18.286	ug/l	99
28) Bromochloromethane	7.818	49	21651	20.450	ug/l	90
29) Tetrahydrofuran	7.836	42	40639	87.403	ug/l	92
30) Chloroform	7.965	83	55140	19.964	ug/l	99
31) Cyclohexane	8.253	56	36426	17.111	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	54519	20.852	ug/l	97
36) 1,1-Dichloropropene	8.371	75	35665	19.654	ug/l	99
37) Ethyl Acetate	7.565	43	25776	16.837	ug/l	98
38) Carbon Tetrachloride	8.359	117	52370	21.950	ug/l	97
39) Methylcyclohexane	9.600	83	32581	18.097	ug/l	96
40) Benzene	8.600	78	110022	19.314	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086194.D
 Acq On : 01 Apr 2025 13:54
 Operator : JC\MD
 Sample : VN0401WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 01:52:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	12447	17.027	ug/l #	91
42) 1,2-Dichloroethane	8.671	62	40799	20.555	ug/l	100
43) Isopropyl Acetate	8.688	43	50249	15.147	ug/l	95
44) Trichloroethene	9.353	130	27756	18.800	ug/l	99
45) 1,2-Dichloropropane	9.618	63	24894	19.214	ug/l	94
46) Dibromomethane	9.706	93	20918	20.529	ug/l	99
47) Bromodichloromethane	9.882	83	43923	20.626	ug/l	98
48) Methyl methacrylate	9.682	41	20258	18.506	ug/l	97
49) 1,4-Dioxane	9.688	88	10040	387.972	ug/l	91
51) 4-Methyl-2-Pentanone	10.441	43	143952	98.393	ug/l	99
52) Toluene	10.629	92	74584	21.333	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	39964	19.324	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	42797	19.613	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	27763	20.805	ug/l	96
56) Ethyl methacrylate	10.871	69	35888	19.705	ug/l	97
57) 1,3-Dichloropropane	11.159	76	45888	20.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	74119	106.866	ug/l	99
59) 2-Hexanone	11.194	43	107267	100.644	ug/l	98
60) Dibromochloromethane	11.359	129	36729	21.330	ug/l	96
61) 1,2-Dibromoethane	11.465	107	27453	20.039	ug/l	95
64) Tetrachloroethene	11.100	164	30094	19.997	ug/l	95
65) Chlorobenzene	11.888	112	79577	18.433	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	32796	20.436	ug/l	98
67) Ethyl Benzene	11.965	91	128684	18.635	ug/l	97
68) m/p-Xylenes	12.071	106	107795	39.715	ug/l	99
69) o-Xylene	12.400	106	49390	19.826	ug/l	97
70) Styrene	12.412	104	82905	19.484	ug/l	99
71) Bromoform	12.576	173	26515	19.765	ug/l #	98
73) Isopropylbenzene	12.694	105	121830	17.656	ug/l	100
74) N-amyl acetate	12.494	43	38325	16.601	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	39762	17.033	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	39036m	17.256	ug/l	
77) Bromobenzene	12.976	156	33321	17.318	ug/l	99
78) n-propylbenzene	13.035	91	144762	18.527	ug/l	99
79) 2-Chlorotoluene	13.123	91	94739	18.255	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	110547	18.976	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	13286	15.527	ug/l	89
82) 4-Chlorotoluene	13.218	91	98122	18.385	ug/l	99
83) tert-Butylbenzene	13.435	119	86115	17.283	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	108868	18.528	ug/l	97
85) sec-Butylbenzene	13.612	105	119683	18.413	ug/l	100
86) p-Isopropyltoluene	13.729	119	100839	18.327	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	62468	18.012	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	64204	17.620	ug/l	98
89) n-Butylbenzene	14.053	91	76217	17.010	ug/l	98
90) Hexachloroethane	14.329	117	22577	17.783	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	61071	17.714	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8286	17.782	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	26735	15.422	ug/l	99
94) Hexachlorobutadiene	15.494	225	17415	17.316	ug/l	99
95) Naphthalene	15.635	128	71366	14.217	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	27926	16.977	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086194.D
Acq On : 01 Apr 2025 13:54
Operator : JC\MD
Sample : VN0401WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 01:52:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

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

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

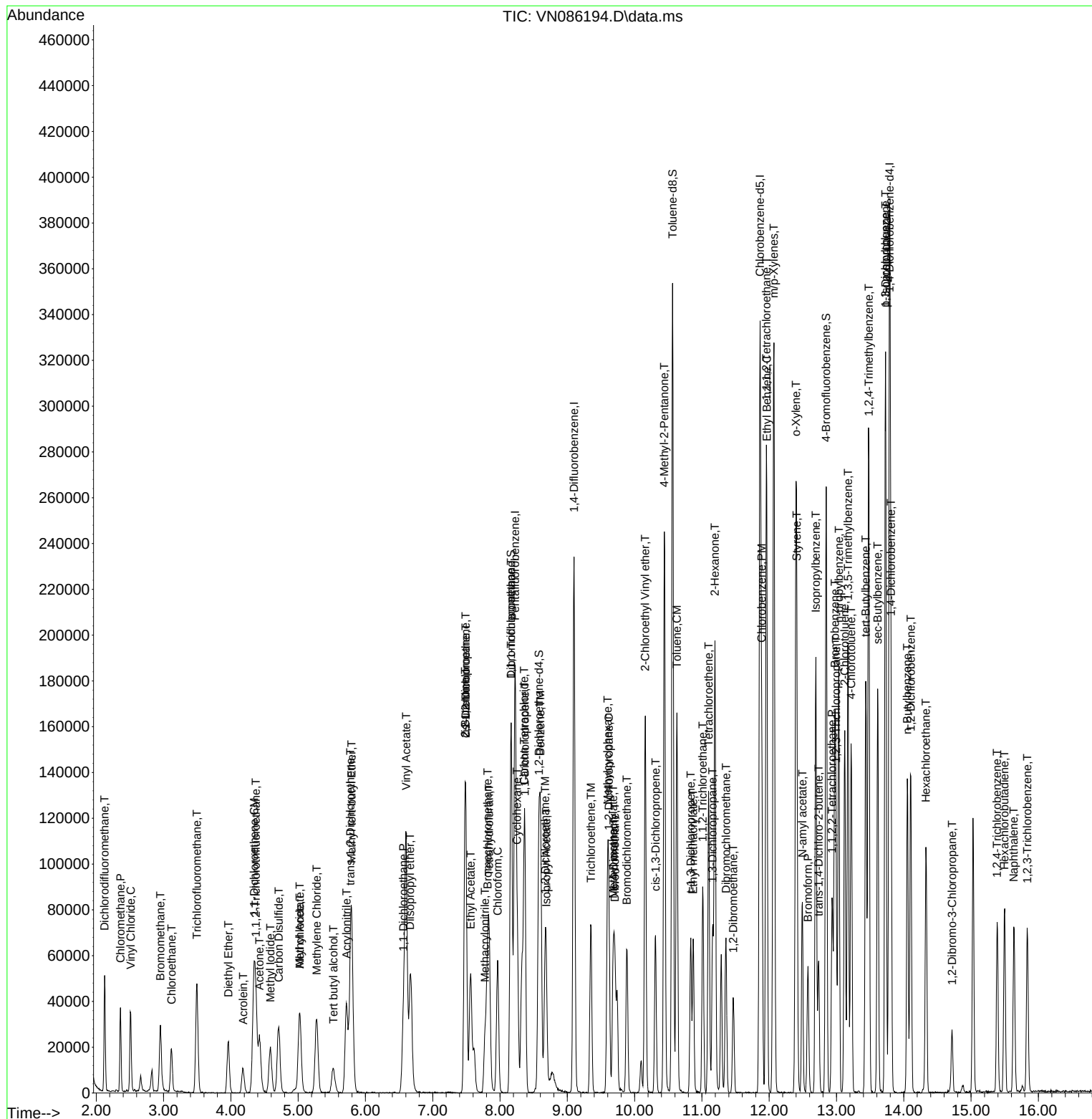
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086194.D
Acq On    : 01 Apr 2025  13:54
Operator  : JC\MD
Sample    : VN0401WBS01
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 6      Sample Multiplier: 1
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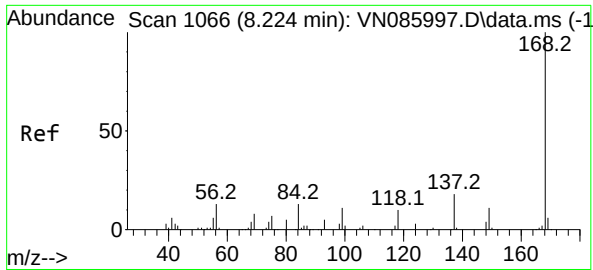
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

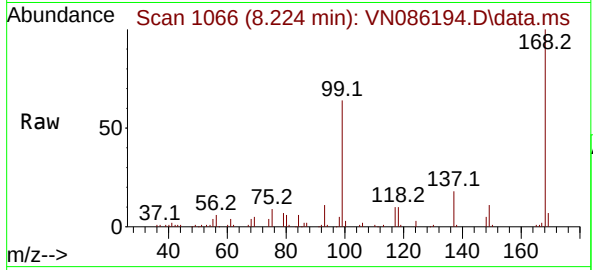
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

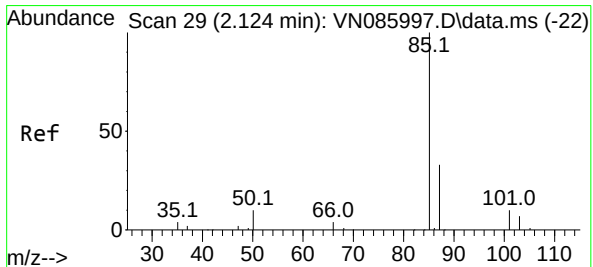
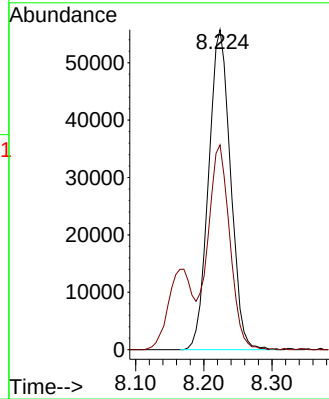
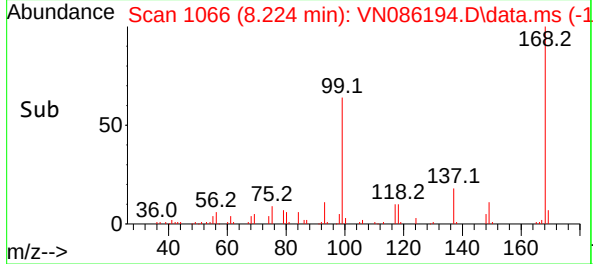
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion:168 Resp: 124768
Ion Ratio Lower Upper
168 100
99 64.0 49.4 74.2

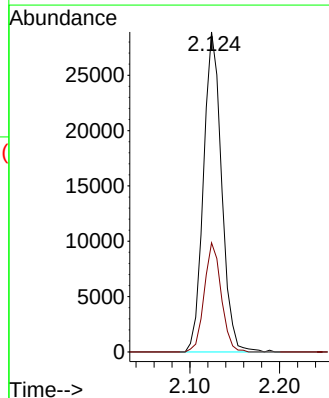
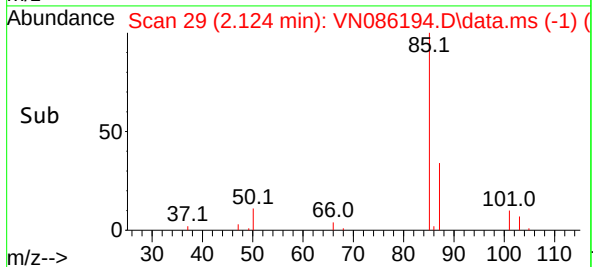
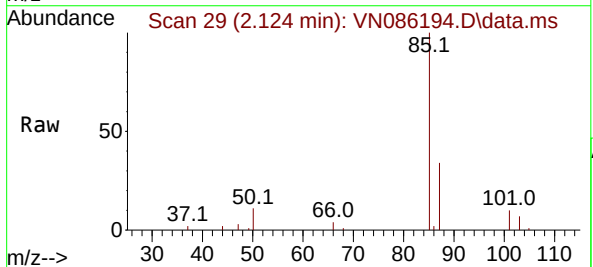
Manual Integrations
APPROVED

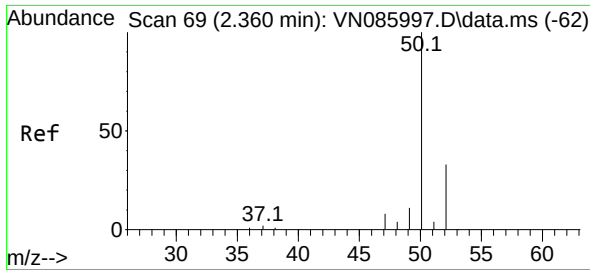
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#2
Dichlorodifluoromethane
Concen: 24.536 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion: 85 Resp: 40556
Ion Ratio Lower Upper
85 100
87 34.1 16.5 49.5





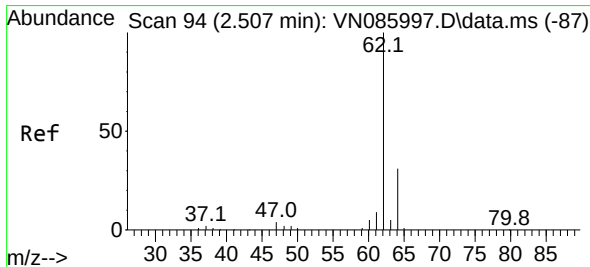
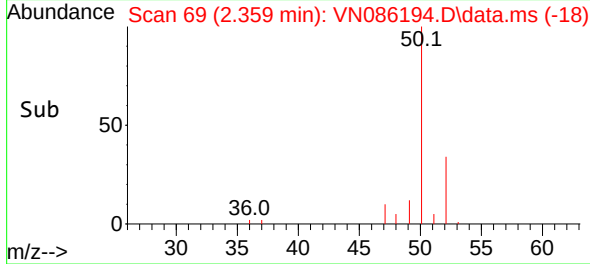
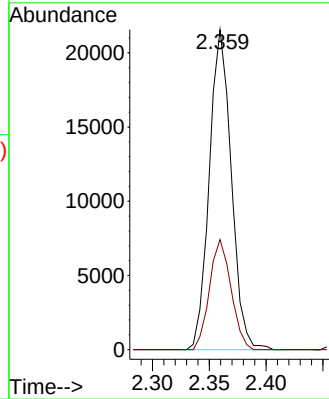
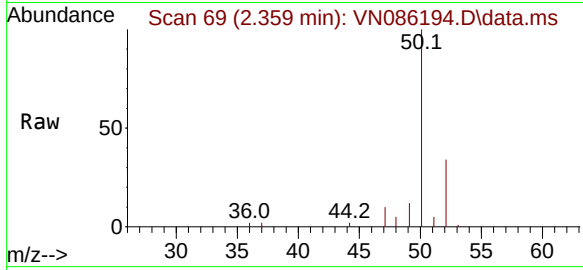
#3
Chloromethane
Concen: 20.010 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tgt Ion: 50 Resp: 28990
Ion Ratio Lower Upper
50 100
52 34.4 26.0 39.0

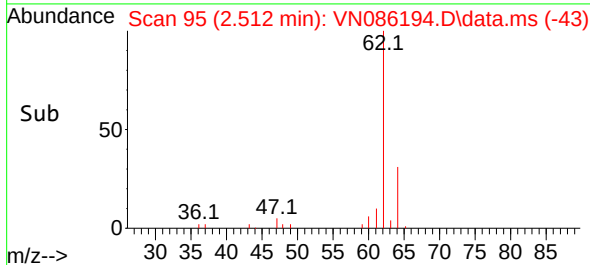
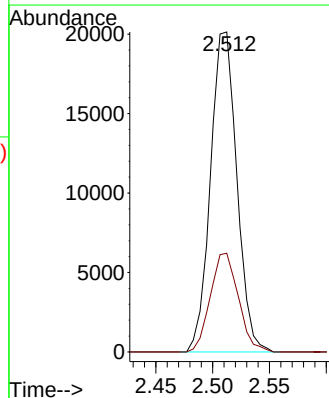
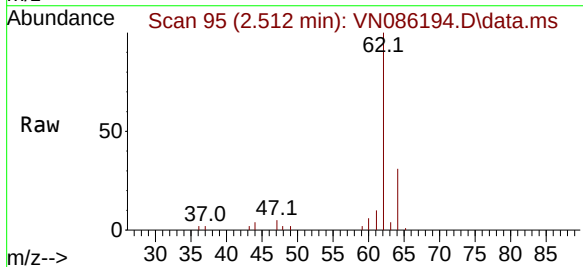
Manual Integrations
APPROVED

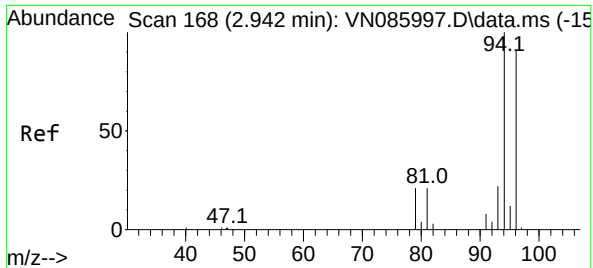
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#4
Vinyl Chloride
Concen: 21.980 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion: 62 Resp: 32567
Ion Ratio Lower Upper
62 100
64 30.8 25.2 37.8





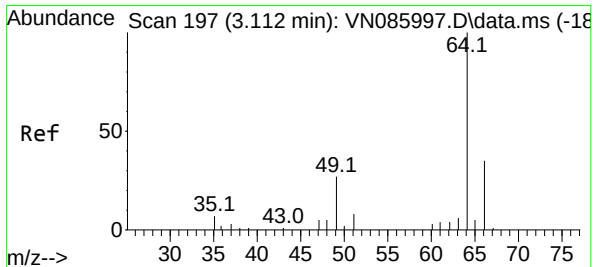
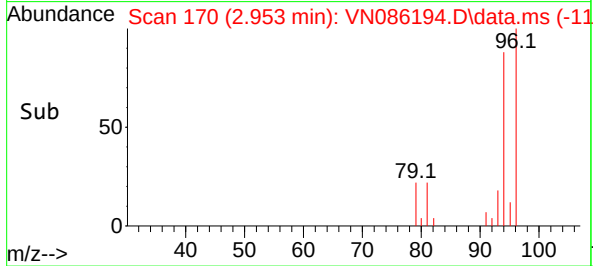
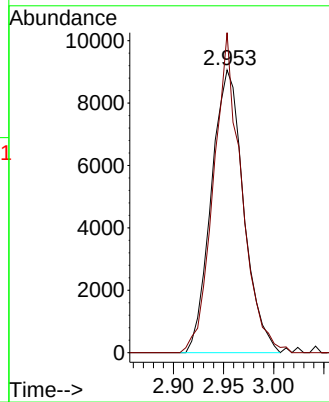
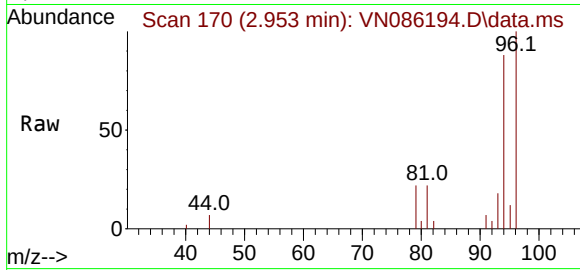
#5
Bromomethane
Concen: 20.161 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tgt Ion: 94 Resp: 2034
Ion Ratio Lower Upper
94 100
96 113.2 72.8 109.2

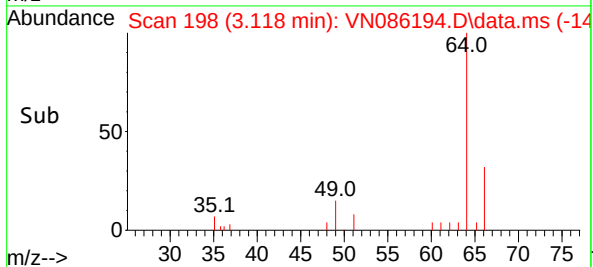
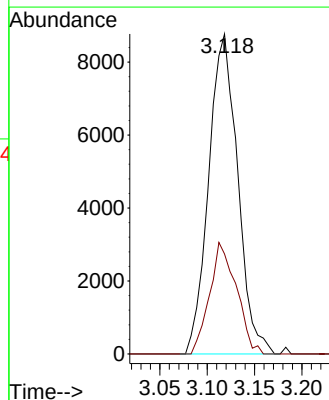
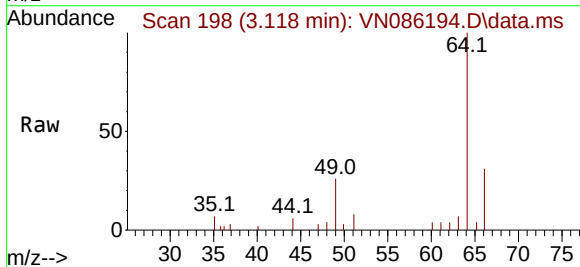
Manual Integrations
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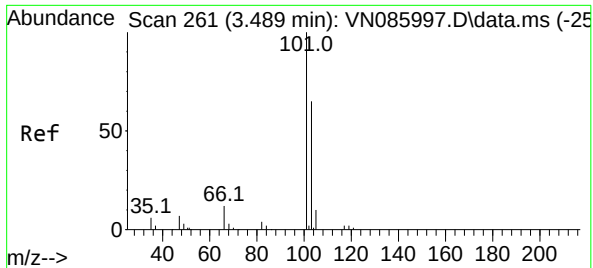
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#6
Chloroethane
Concen: 19.999 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion: 64 Resp: 18693
Ion Ratio Lower Upper
64 100
66 31.2 28.3 42.5





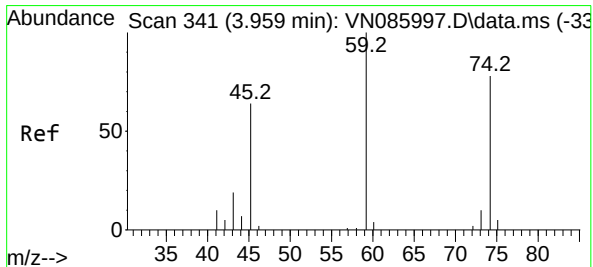
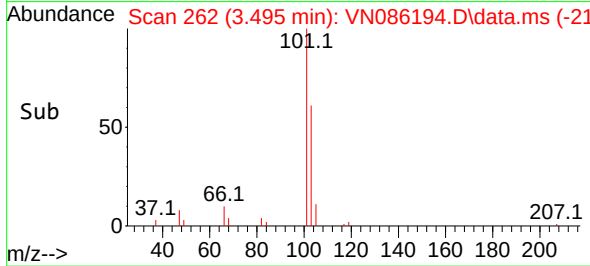
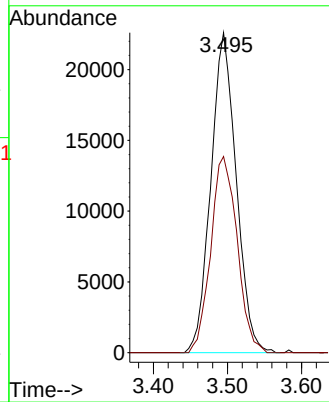
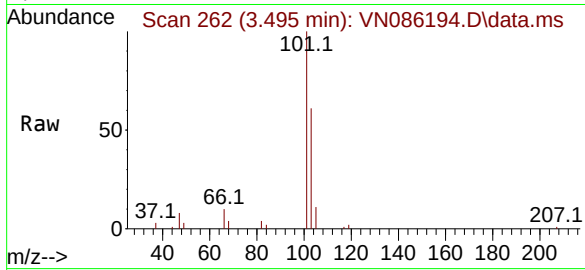
#7
Trichlorofluoromethane
Concen: 20.212 ug/l
RT: 3.495 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tgt Ion:101 Resp: 53834
Ion Ratio Lower Upper
101 100
103 61.3 51.7 77.5

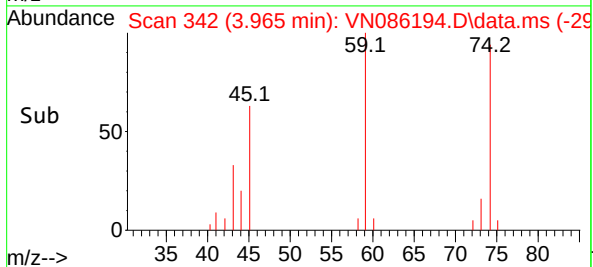
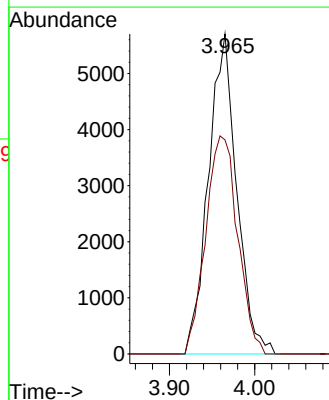
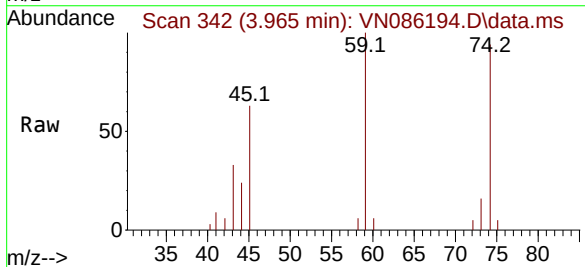
Manual Integrations
APPROVED

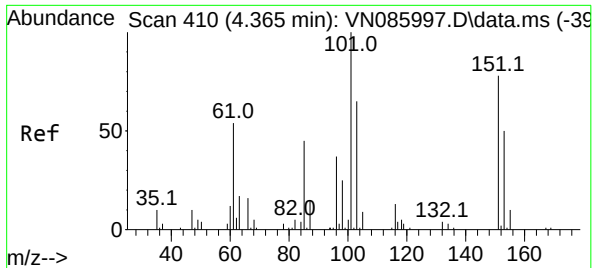
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#8
Diethyl Ether
Concen: 16.166 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion: 74 Resp: 13181
Ion Ratio Lower Upper
74 100
45 76.8 38.0 113.9





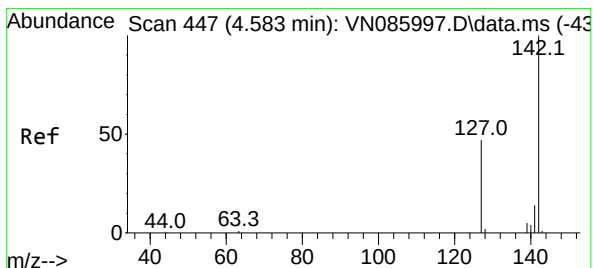
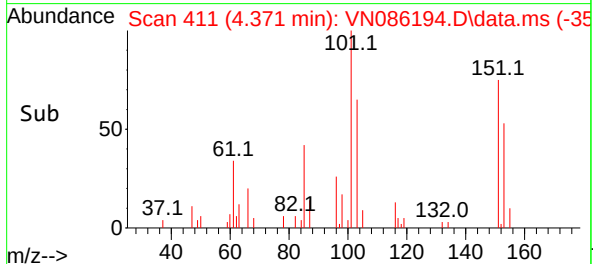
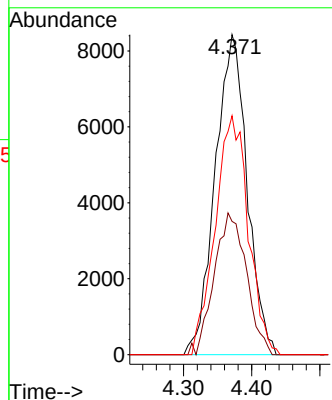
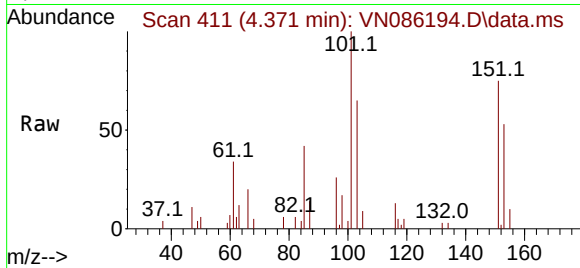
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.440 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tgt Ion:101 Resp: 27519
Ion Ratio Lower Upper
101 100
85 44.5 36.5 54.7
151 77.4 63.4 95.0

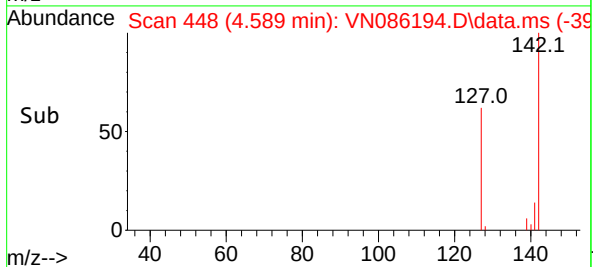
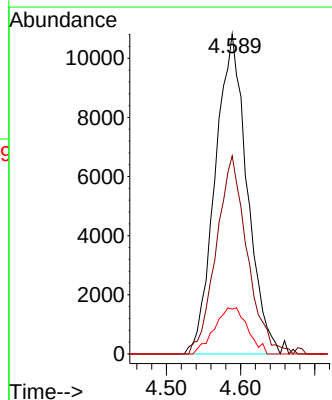
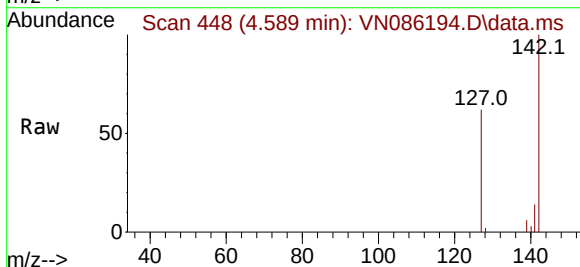
Manual Integrations
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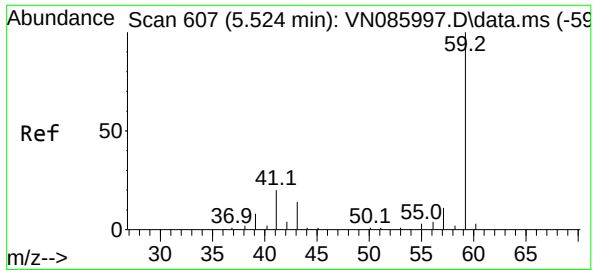
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#10
Methyl Iodide
Concen: 17.538 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion:142 Resp: 32348
Ion Ratio Lower Upper
142 100
127 61.9 37.5 56.3#
141 14.0 11.0 16.6





#11

Tert butyl alcohol

Concen: 84.060 ug/l

RT: 5.524 min Scan# 607

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion: 59 Resp: 2033

Ion Ratio Lower Upper

59 100

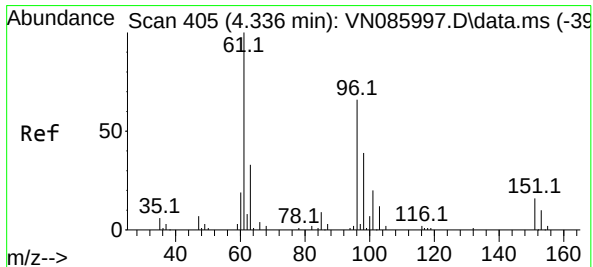
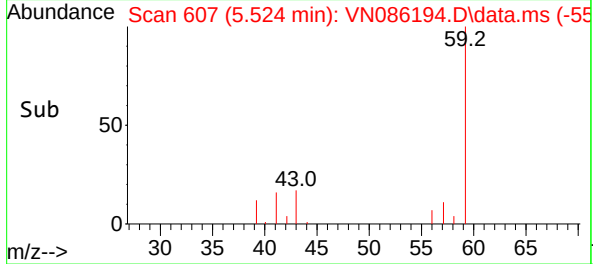
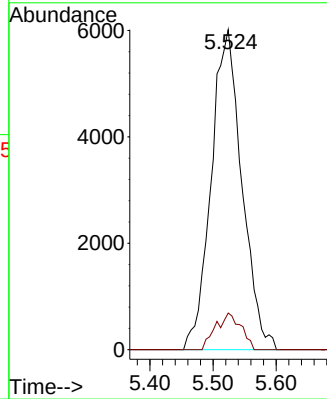
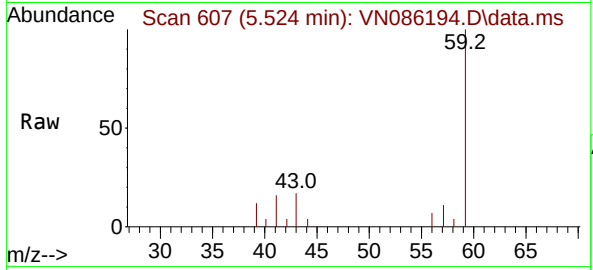
57 9.4 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#12

1,1-Dichloroethene

Concen: 18.214 ug/l

RT: 4.348 min Scan# 407

Delta R.T. 0.012 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

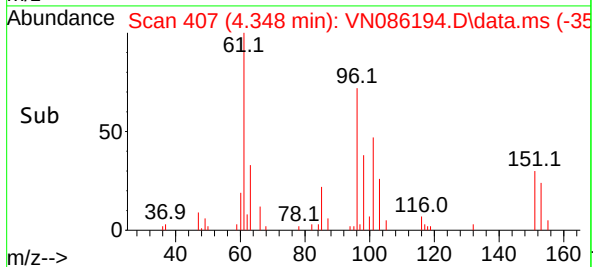
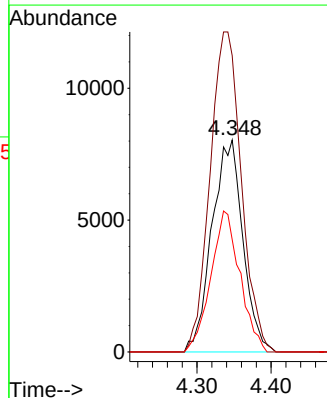
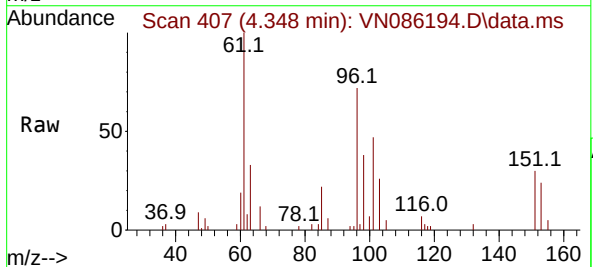
Tgt Ion: 96 Resp: 23281

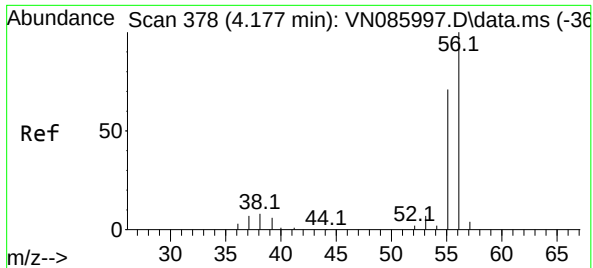
Ion Ratio Lower Upper

96 100

61 139.8 120.5 180.7

98 53.0 47.4 71.0





#13

Acrolein

Concen: 51.602 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion: 56 Resp: 1331

Ion Ratio Lower Upper

56 100

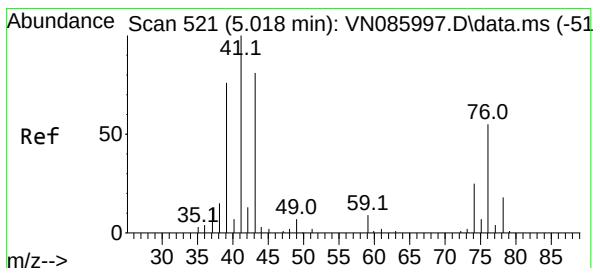
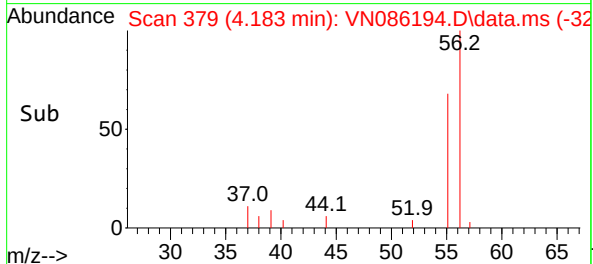
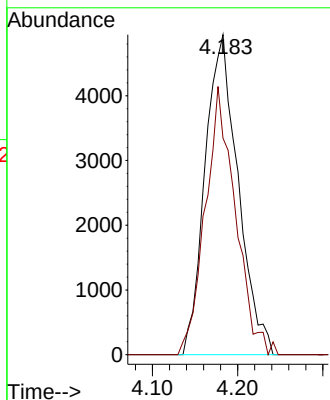
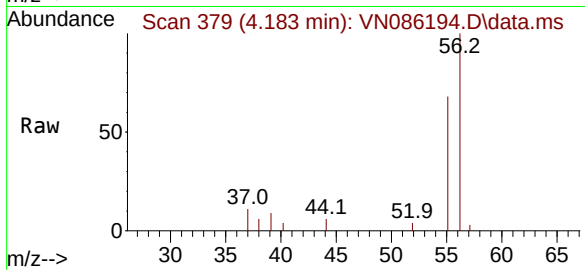
55 76.6 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#14

Allyl chloride

Concen: 15.272 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

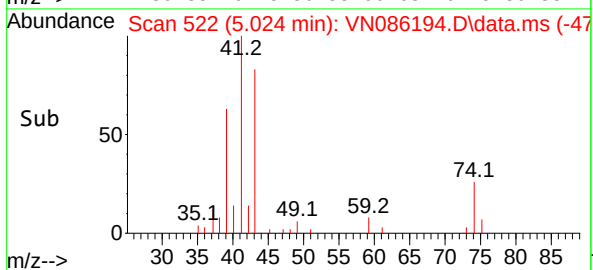
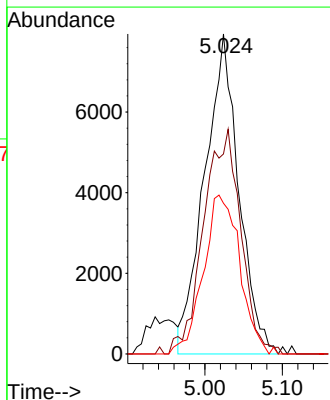
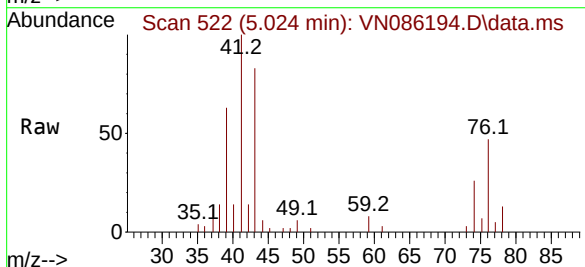
Tgt Ion: 41 Resp: 24353

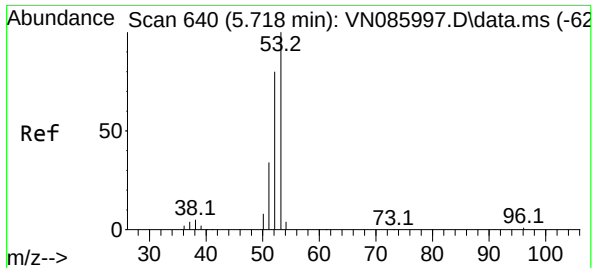
Ion Ratio Lower Upper

41 100

39 76.4 55.5 83.3

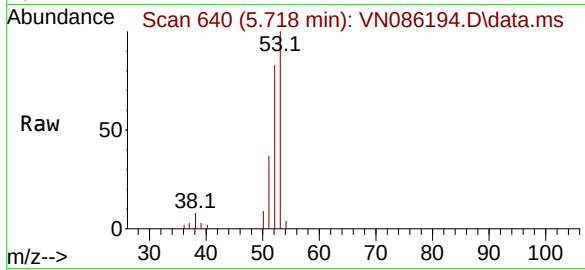
76 53.1 39.1 58.7





#15
Acrylonitrile
Concen: 84.862 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

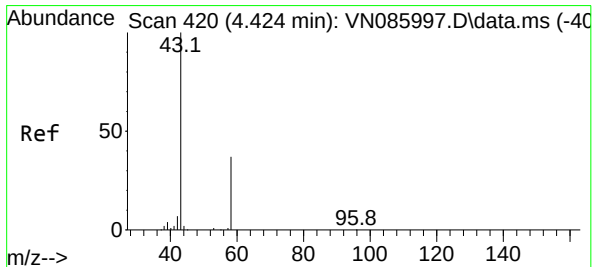
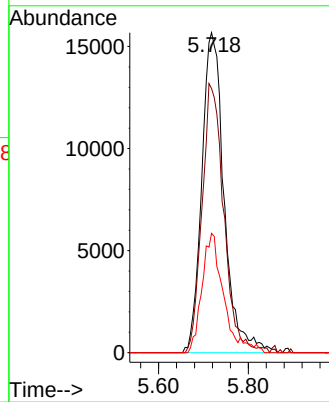
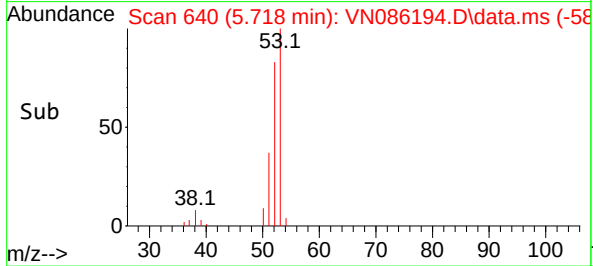
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 53 Resp: 5421
Ion Ratio Lower Upper
53 100
52 81.0 63.9 95.9
51 36.0 27.1 40.7

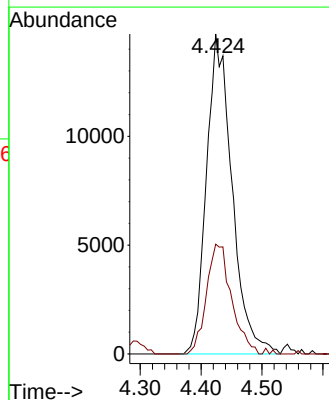
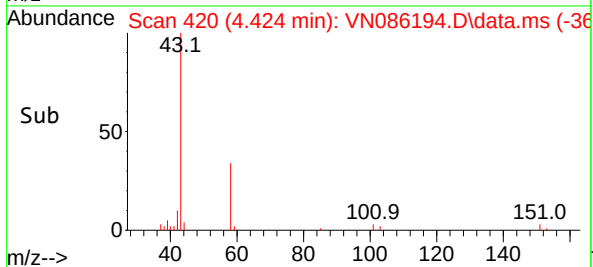
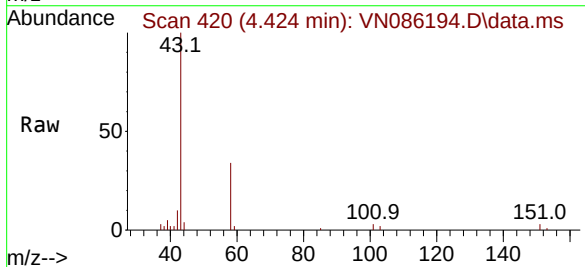
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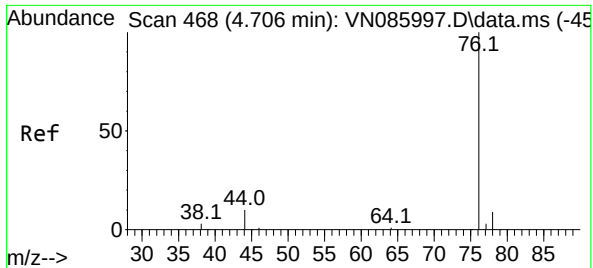
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#16
Acetone
Concen: 82.025 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion: 43 Resp: 42813
Ion Ratio Lower Upper
43 100
58 34.3 29.4 44.2





#17

Carbon Disulfide

Concen: 16.807 ug/l

RT: 4.712 min Scan# 4

Delta R.T. 0.006 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion: 76 Resp: 70649

Ion Ratio Lower Upper

76 100

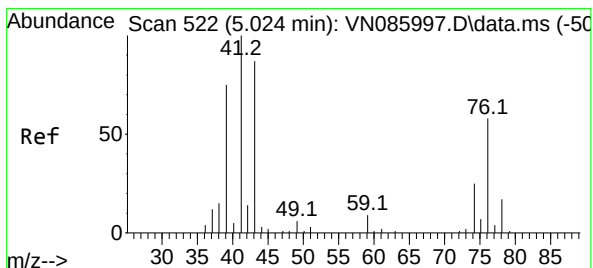
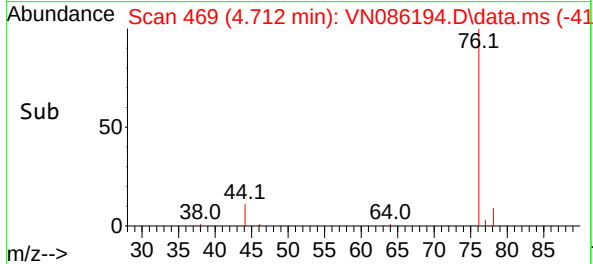
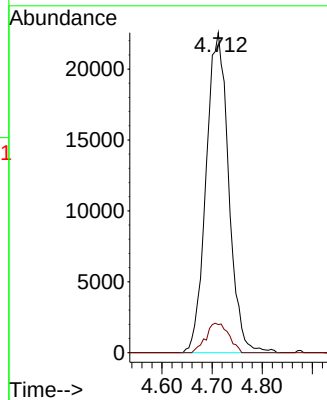
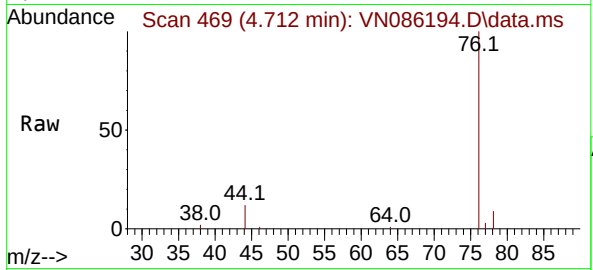
78 8.8 7.4 11.2

Manual Integrations

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Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#18

Methyl Acetate

Concen: 16.547 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.000 min

Lab File: VN086194.D

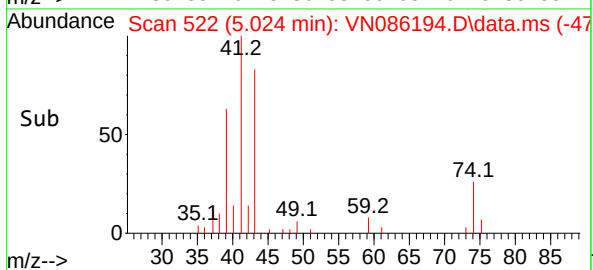
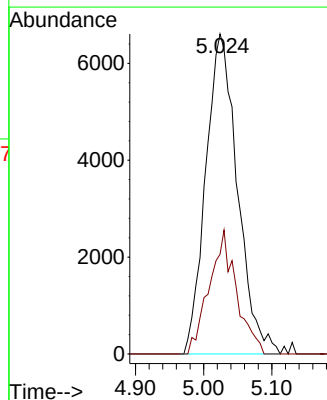
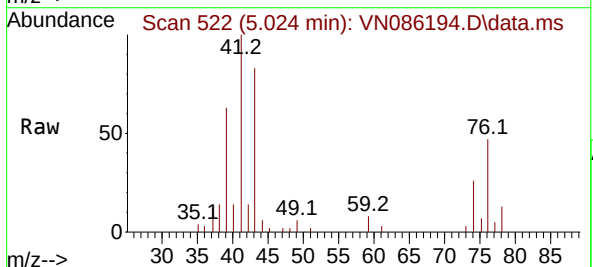
Acq: 01 Apr 2025 13:54

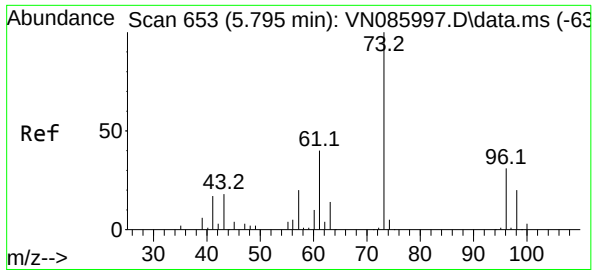
Tgt Ion: 43 Resp: 21369

Ion Ratio Lower Upper

43 100

74 33.1 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 18.246 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion: 73 Resp: 7642

Ion Ratio Lower Upper

73 100

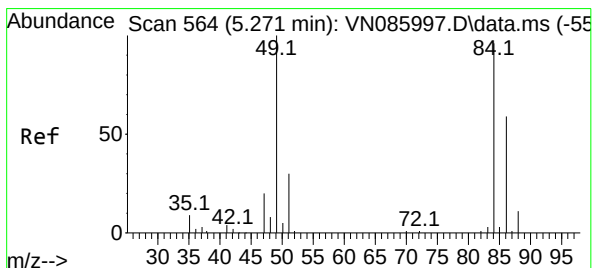
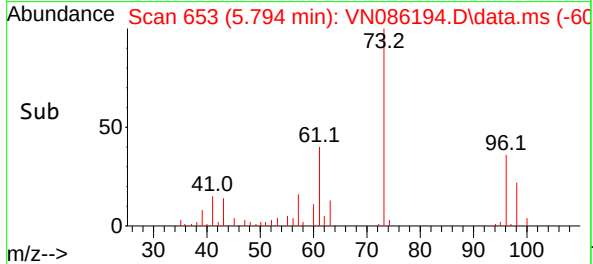
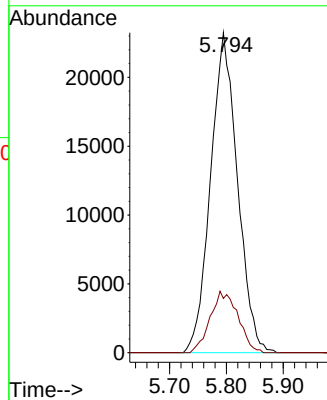
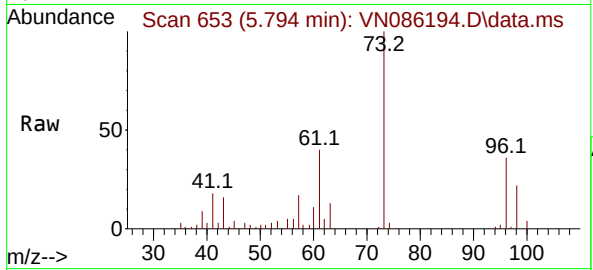
57 16.9 16.1 24.1

Manual Integrations

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Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#20

Methylene Chloride

Concen: 18.247 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Tgt Ion: 84 Resp: 27861

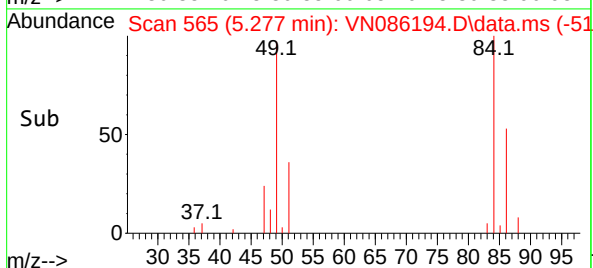
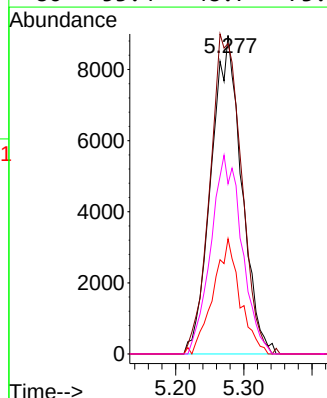
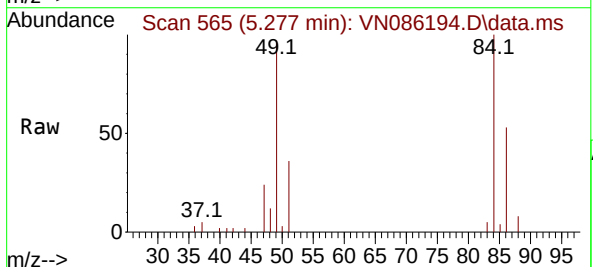
Ion Ratio Lower Upper

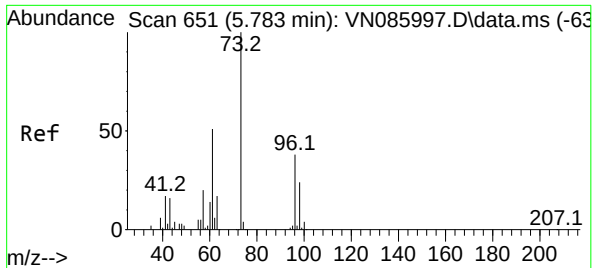
84 100

49 97.4 83.3 124.9

51 36.2 24.8 37.2

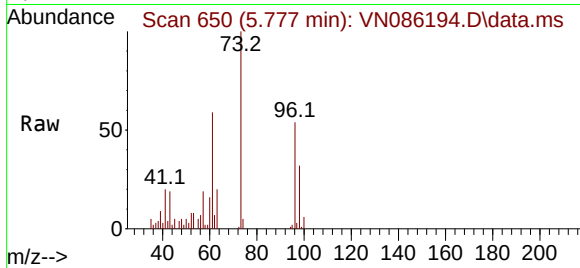
86 53.4 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 18.992 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

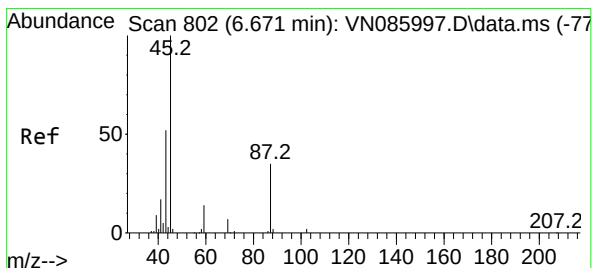
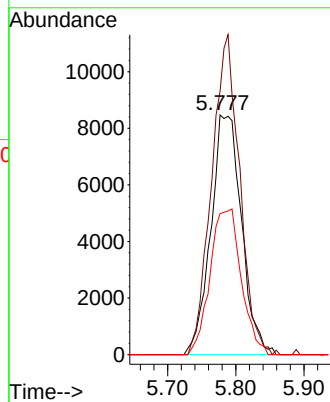
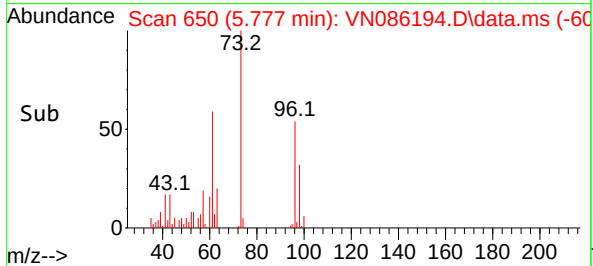
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 96 Resp: 26530
Ion Ratio Lower Upper
96 100
61 109.8 106.6 160.0
98 58.8 50.0 75.0

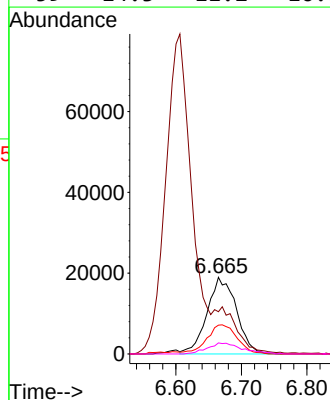
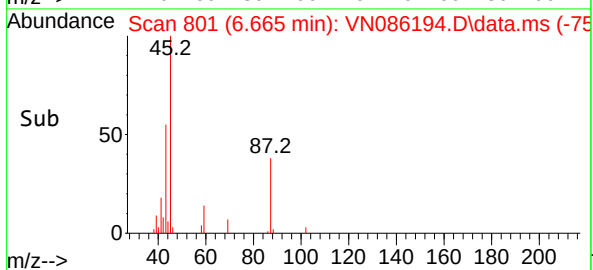
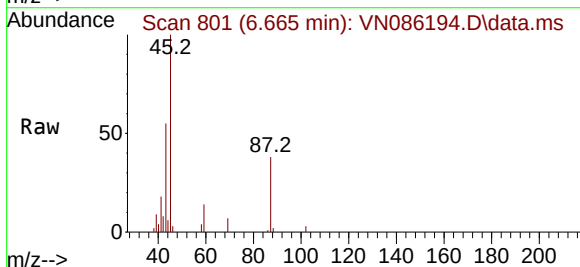
Manual Integrations
APPROVED

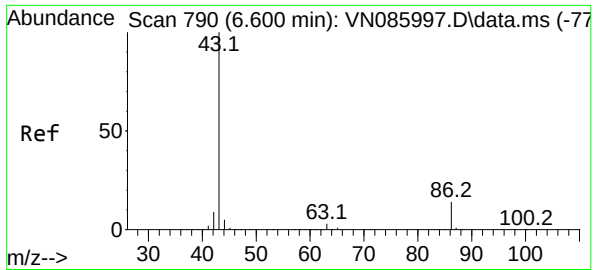
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#22
Diisopropyl ether
Concen: 17.315 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

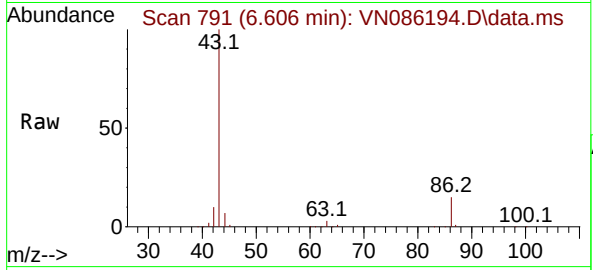
Tgt Ion: 45 Resp: 58841
Ion Ratio Lower Upper
45 100
43 52.9 41.2 61.8
87 37.7 28.5 42.7
59 14.3 11.2 16.8





#23
Vinyl Acetate
Concen: 84.422 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

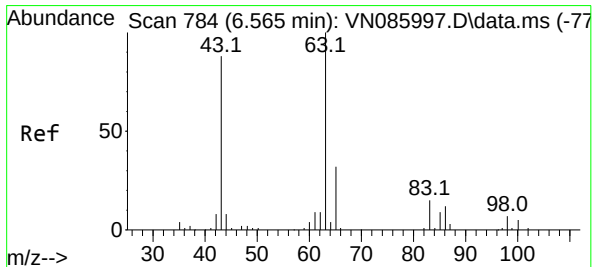
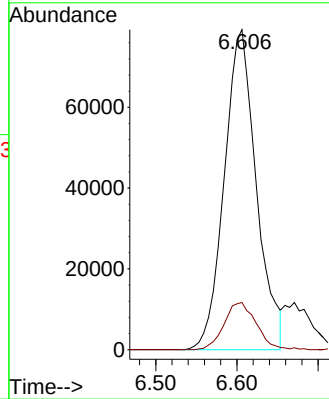
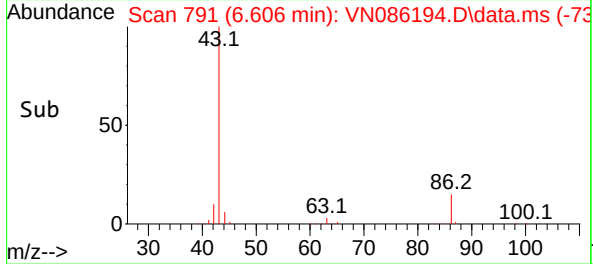
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 43 Resp: 217474
Ion Ratio Lower Upper
43 100
86 14.8 11.2 16.8

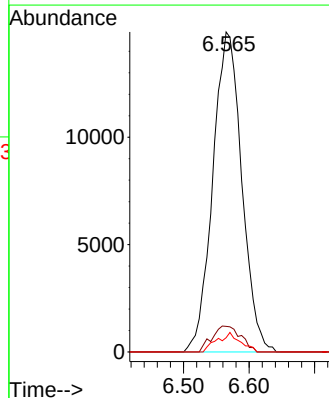
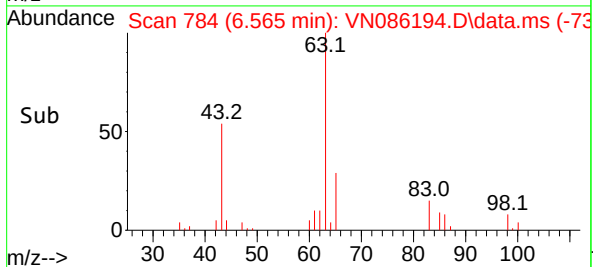
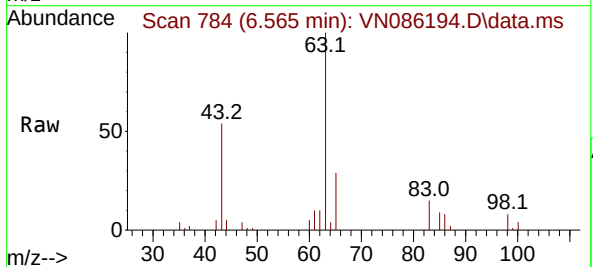
Manual Integrations
APPROVED

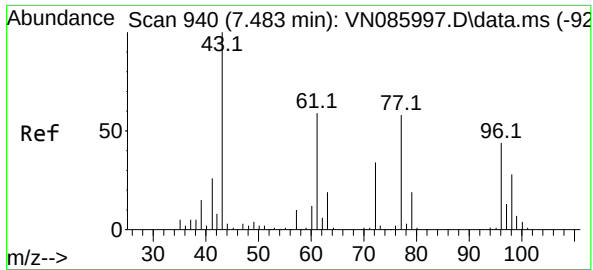
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#24
1,1-Dichloroethane
Concen: 18.276 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion: 63 Resp: 45668
Ion Ratio Lower Upper
63 100
98 8.0 3.6 10.9
100 4.5 2.5 7.5





#25

2-Butanone

Concen: 84.066 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion: 43 Resp: 63314

Ion Ratio Lower Upper

43 100

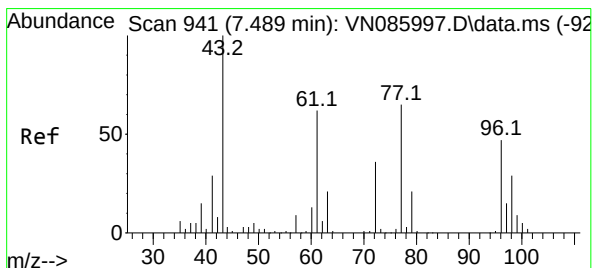
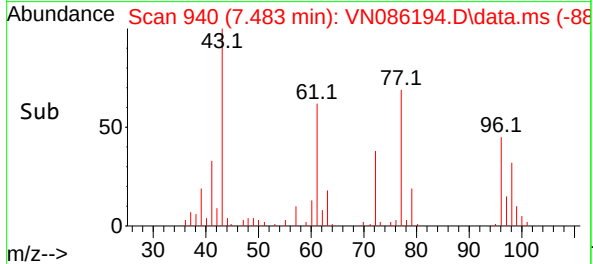
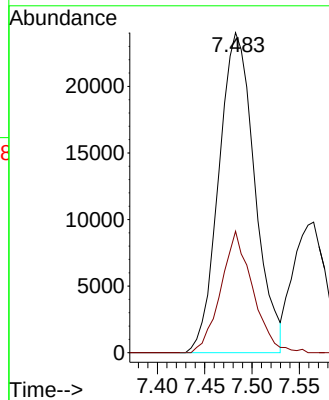
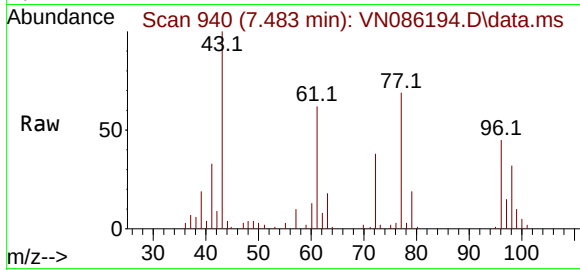
72 38.0 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#26

2,2-Dichloropropane

Concen: 20.222 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN086194.D

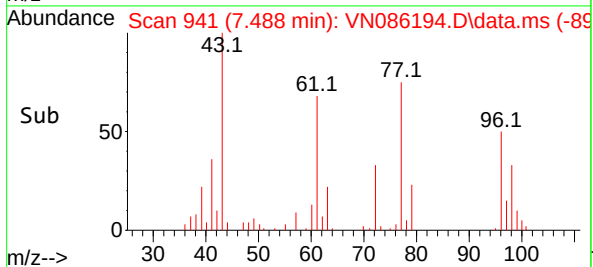
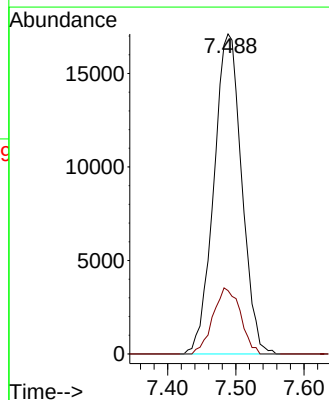
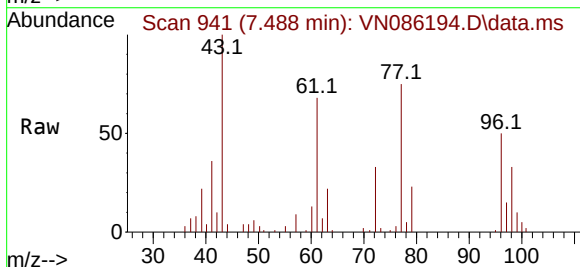
Acq: 01 Apr 2025 13:54

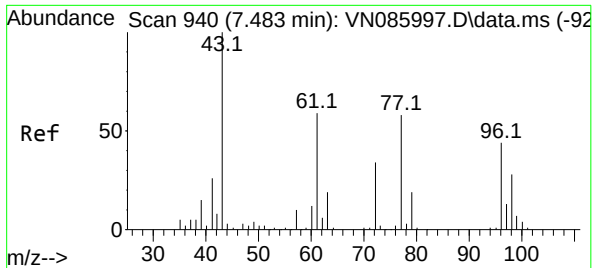
Tgt Ion: 77 Resp: 48649

Ion Ratio Lower Upper

77 100

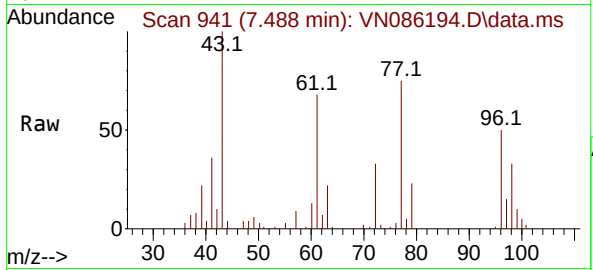
97 20.3 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 18.286 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

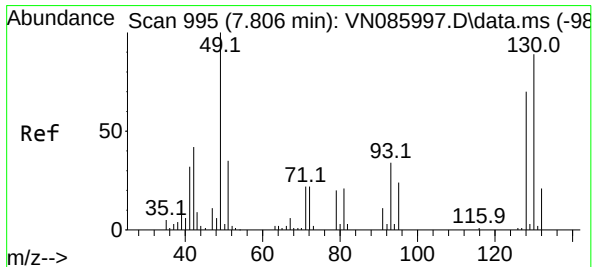
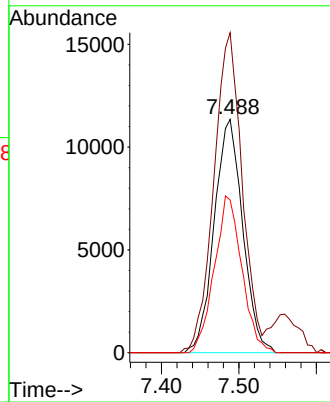
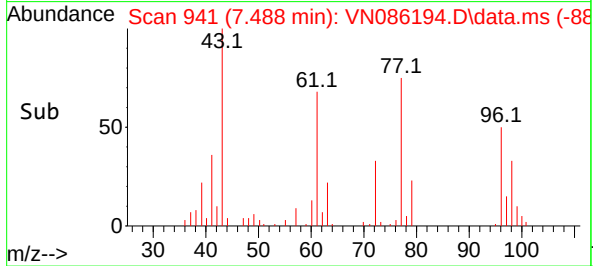
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 96 Resp: 2902
Ion Ratio Lower Upper
96 100
61 136.0 0.0 272.8
98 65.0 0.0 124.8

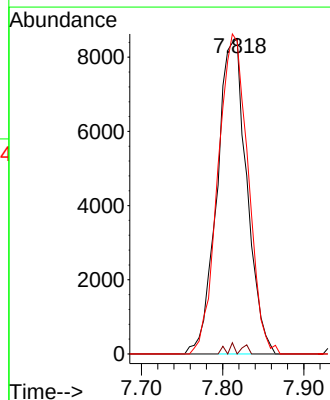
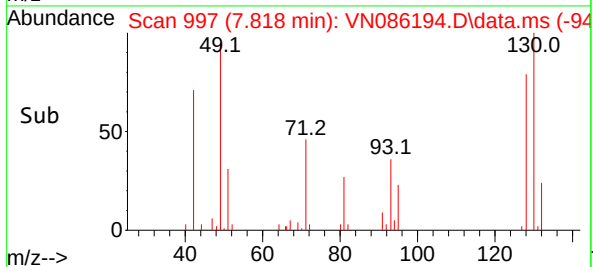
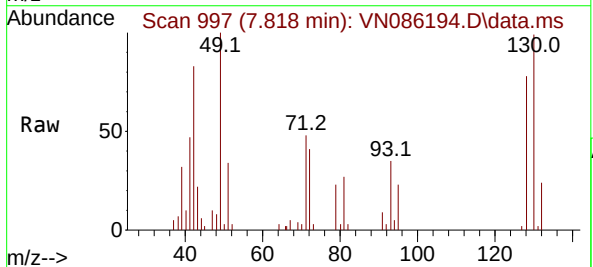
Manual Integrations
APPROVED

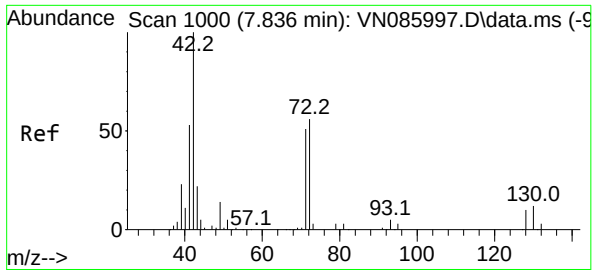
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#28
Bromochloromethane
Concen: 20.450 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.012 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion: 49 Resp: 21651
Ion Ratio Lower Upper
49 100
129 0.5 0.0 4.2
130 102.6 74.2 111.4





#29

Tetrahydrofuran

Concen: 87.403 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

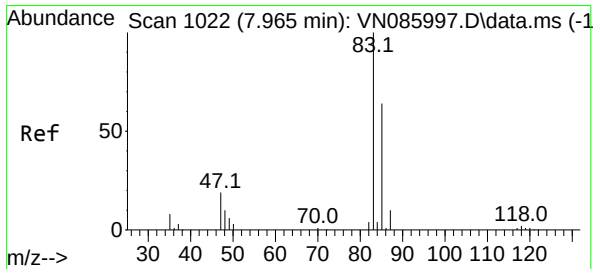
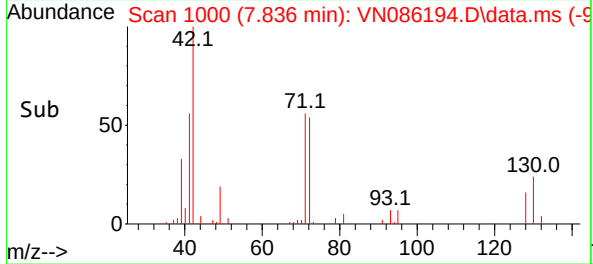
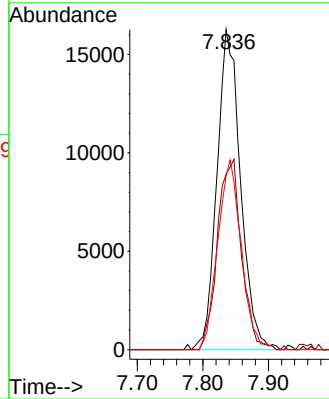
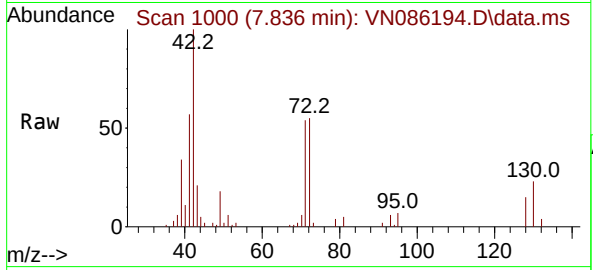
Tgt Ion:	42	Resp:	40639
Ion	Ratio	Lower	Upper
42	100		
72	60.6	45.0	67.4
71	58.9	41.9	62.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#30

Chloroform

Concen: 19.964 ug/l

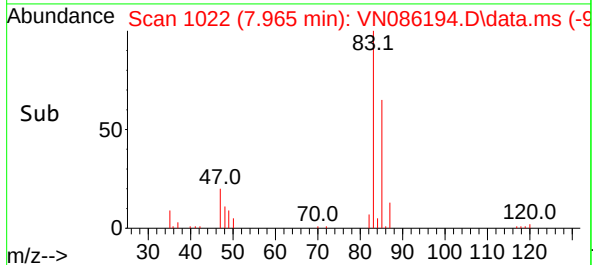
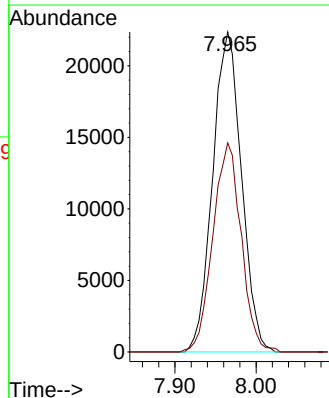
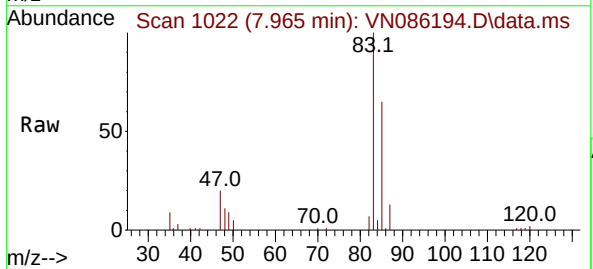
RT: 7.965 min Scan# 1022

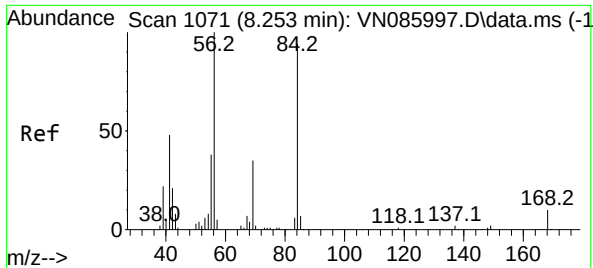
Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Tgt Ion:	83	Resp:	55140
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.5	77.3





#31

Cyclohexane

Concen: 17.111 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion: 56 Resp: 36420

Ion Ratio Lower Upper

56 100

69 35.4 28.0 42.0

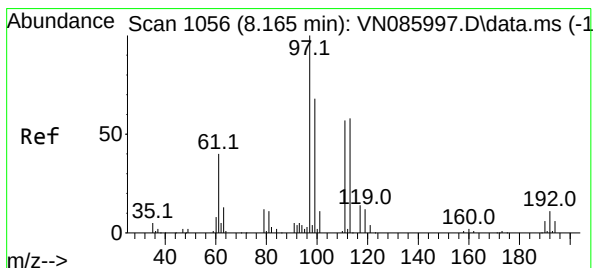
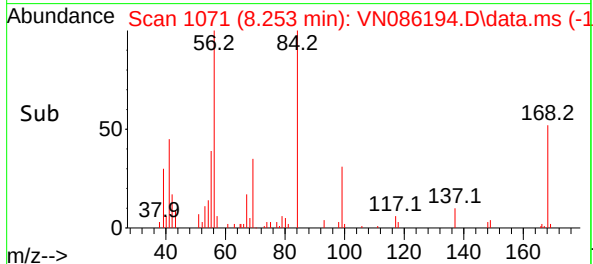
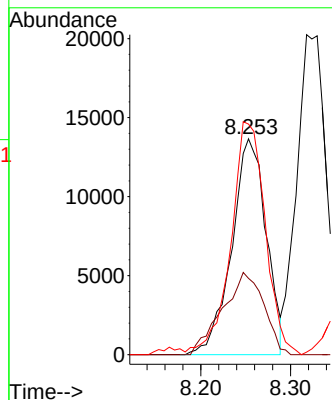
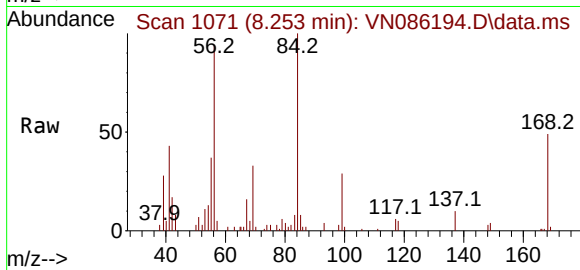
84 104.1 75.0 112.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#32

1,1,1-Trichloroethane

Concen: 20.852 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

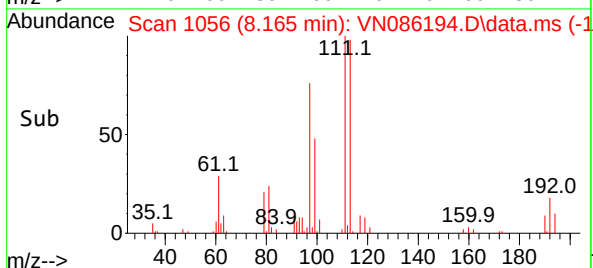
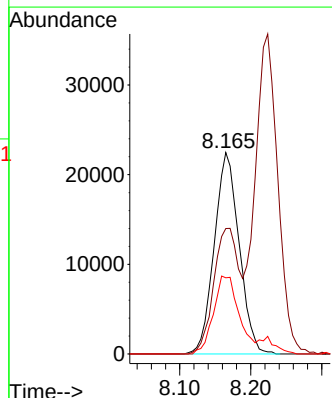
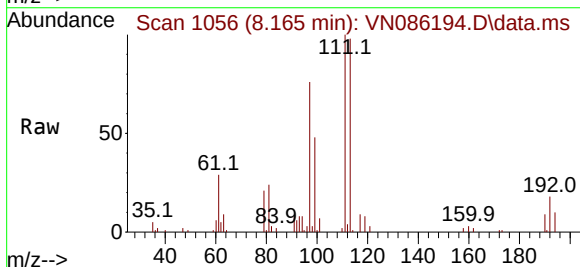
Tgt Ion: 97 Resp: 54519

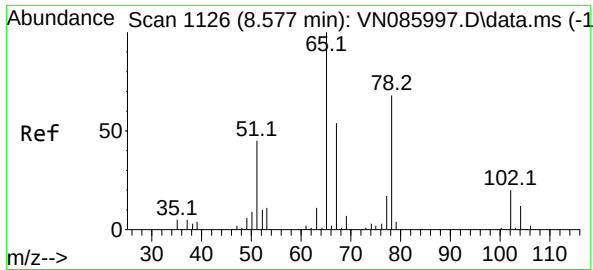
Ion Ratio Lower Upper

97 100

99 63.7 52.8 79.2

61 39.7 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 52.061 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion: 65 Resp: 88944

Ion Ratio Lower Upper

65 100

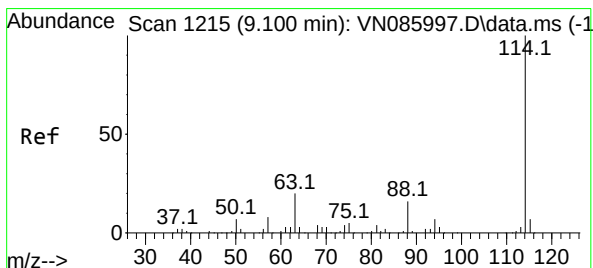
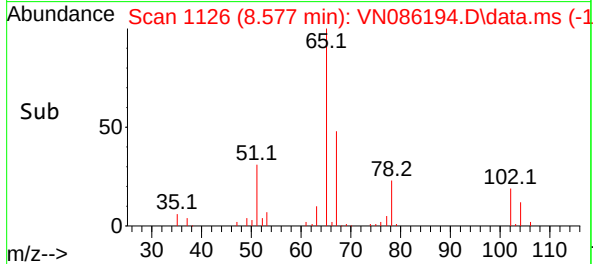
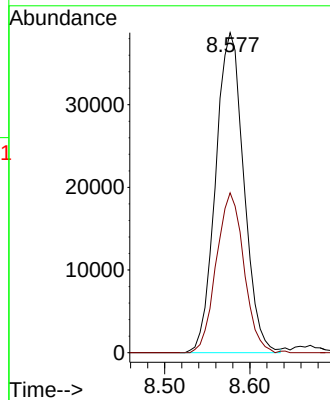
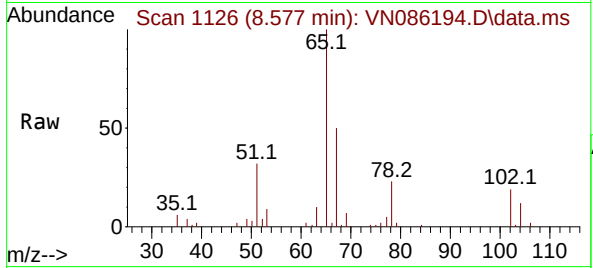
67 49.0 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

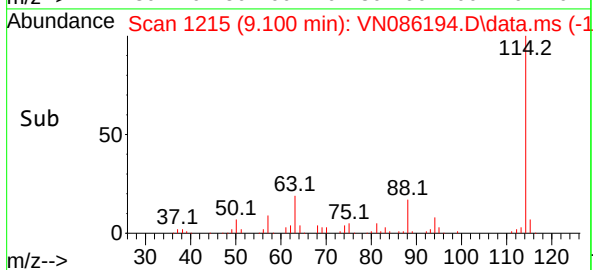
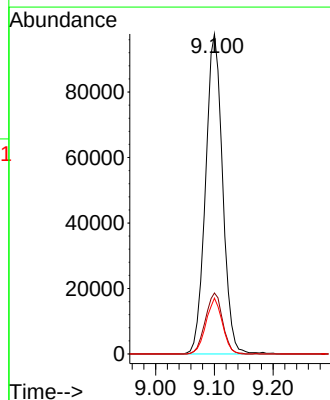
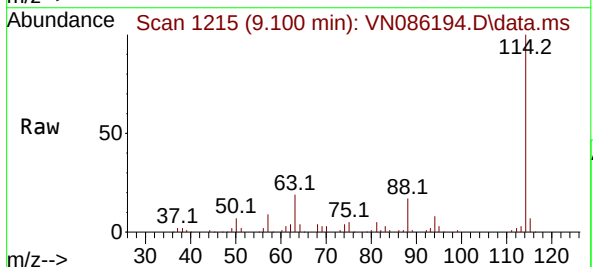
Tgt Ion:114 Resp: 197440

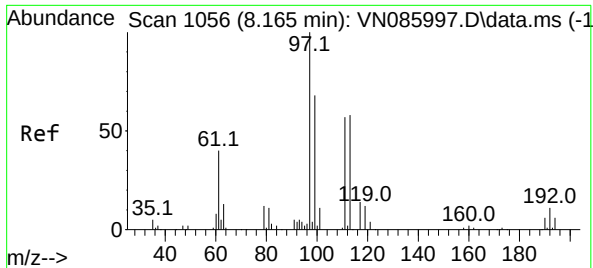
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 17.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.393 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion:113 Resp: 68065

Ion Ratio Lower Upper

113 100

111 100.8 81.8 122.8

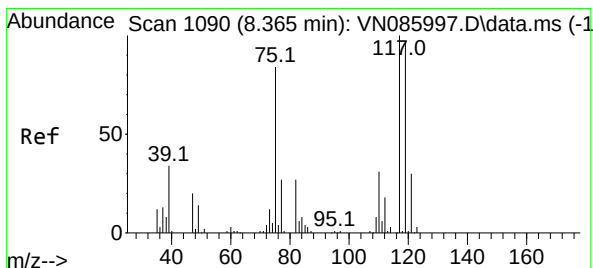
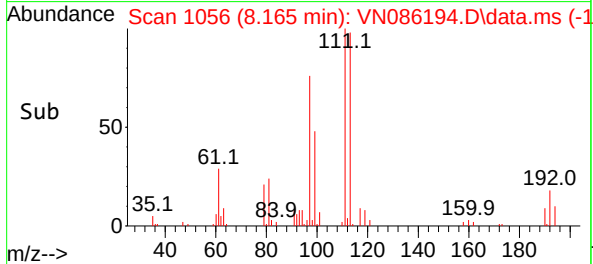
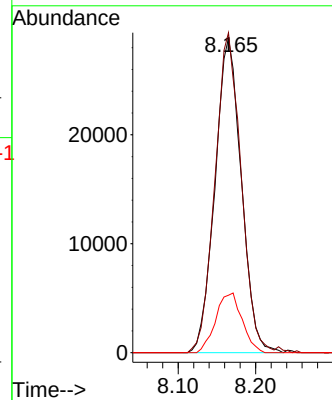
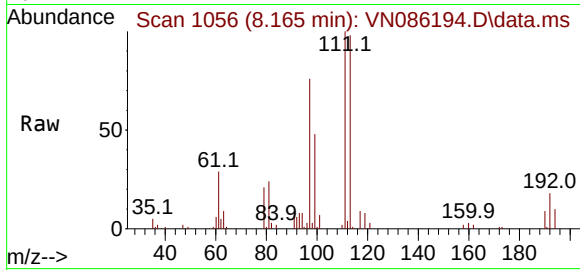
192 18.9 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#36

1,1-Dichloropropene

Concen: 19.654 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

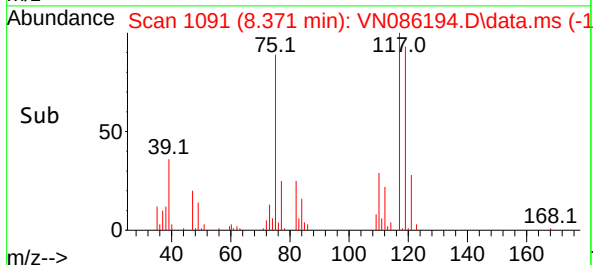
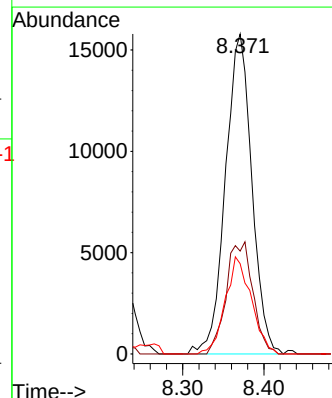
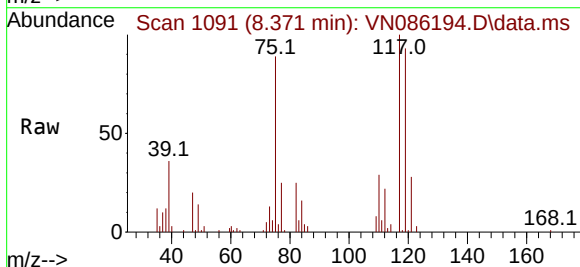
Tgt Ion: 75 Resp: 35665

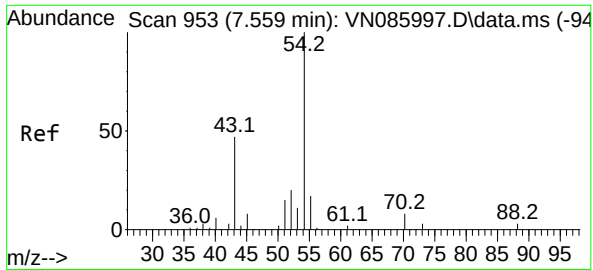
Ion Ratio Lower Upper

75 100

110 35.4 17.8 53.3

77 29.9 25.0 37.4





#37

Ethyl Acetate

Concen: 16.837 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

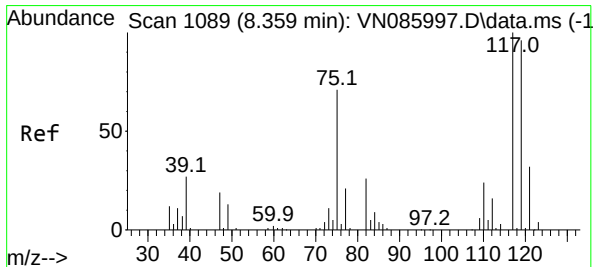
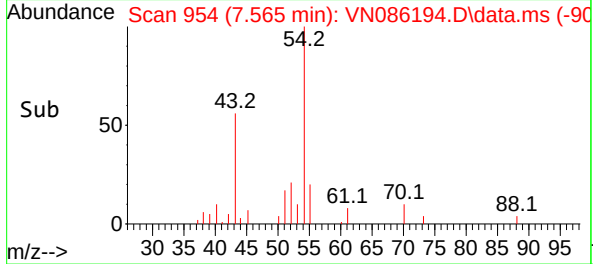
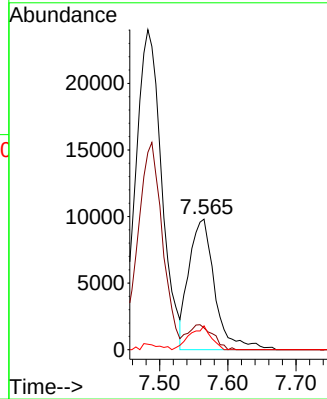
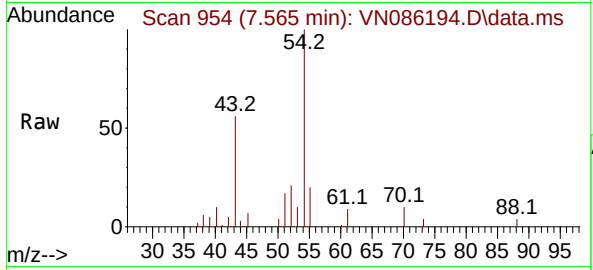
Tgt Ion:	43	Resp:	25770
Ion	Ratio	Lower	Upper
43	100		
61	17.2	13.0	19.4
70	14.9	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#38

Carbon Tetrachloride

Concen: 21.950 ug/l

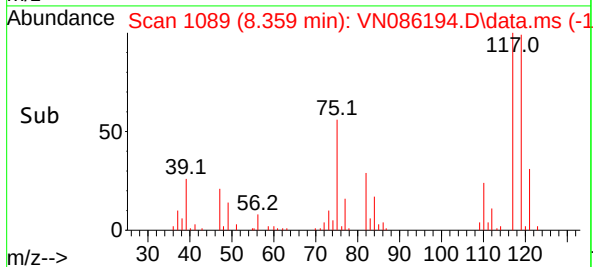
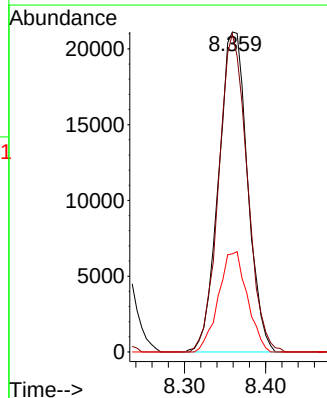
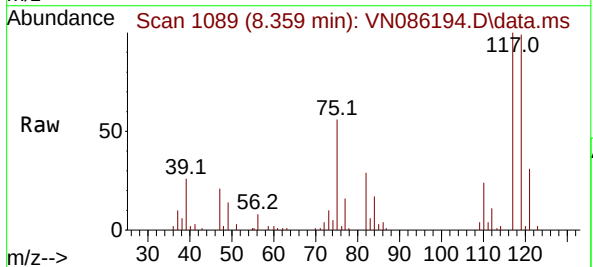
RT: 8.359 min Scan# 1089

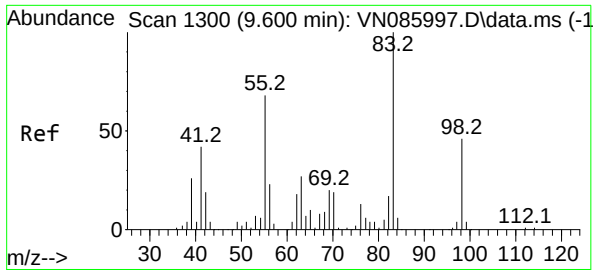
Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Tgt Ion:	117	Resp:	52370
Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.0	115.4
121	30.6	25.6	38.4





#39

Methylcyclohexane

Concen: 18.097 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion: 83 Resp: 3258

Ion Ratio Lower Upper

83 100

55 66.4 54.2 81.2

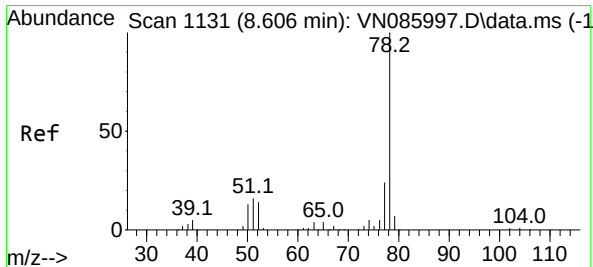
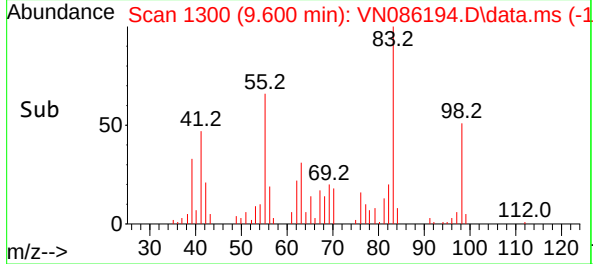
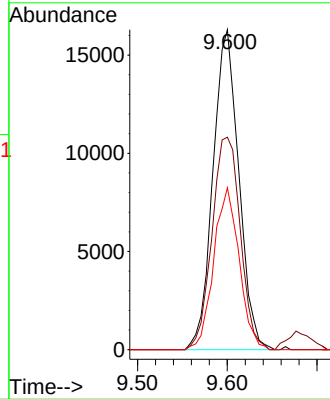
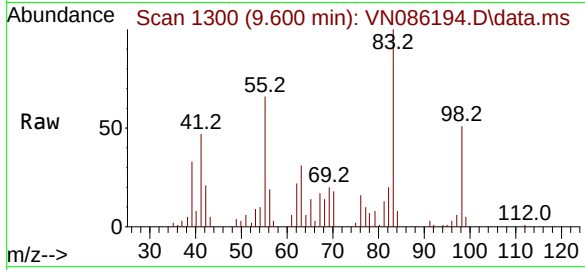
98 50.6 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#40

Benzene

Concen: 19.314 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086194.D

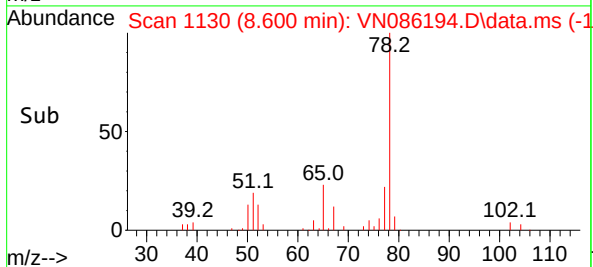
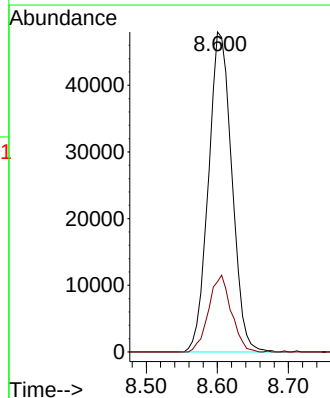
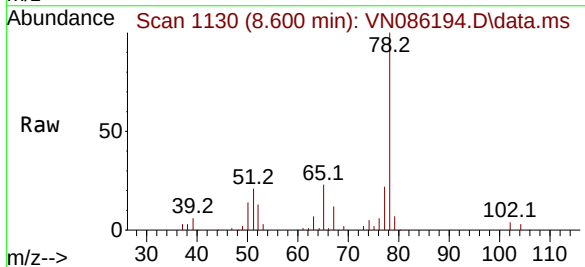
Acq: 01 Apr 2025 13:54

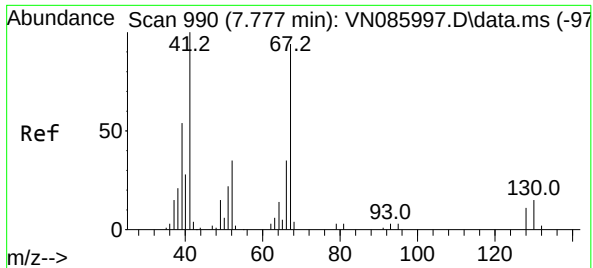
Tgt Ion: 78 Resp: 110022

Ion Ratio Lower Upper

78 100

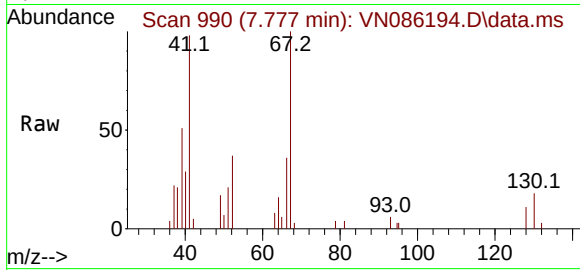
77 22.0 18.9 28.3





#41
Methacrylonitrile
Concen: 17.027 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

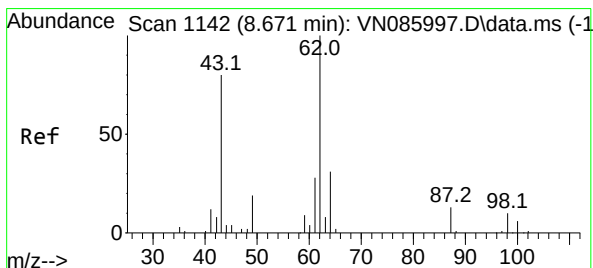
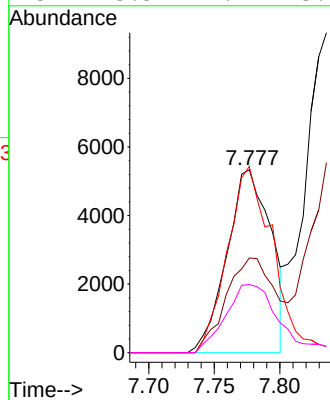
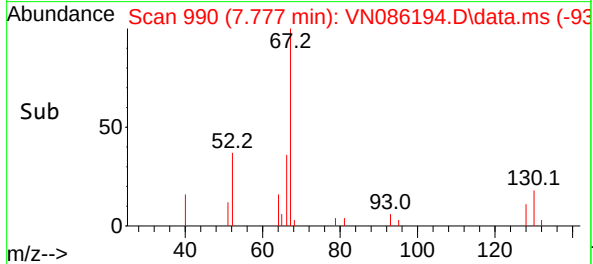
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 41 Resp: 1244
Ion Ratio Lower Upper
41 100
39 59.4 46.2 69.2
67 104.9 75.9 113.9
52 45.5 29.2 43.8#

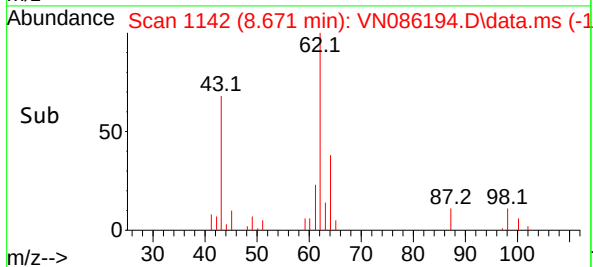
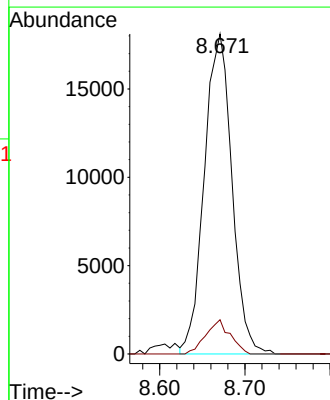
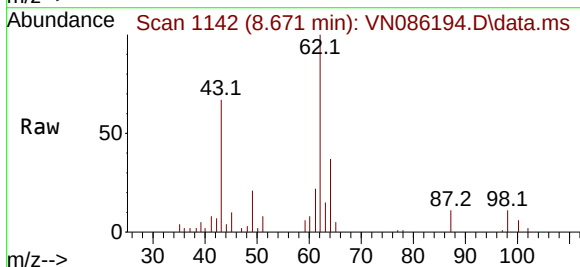
Manual Integrations
APPROVED

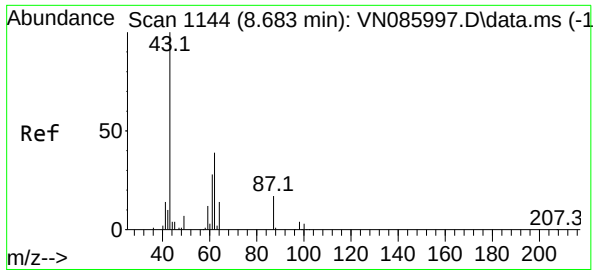
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#42
1,2-Dichloroethane
Concen: 20.555 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion: 62 Resp: 40799
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.6





#43

Isopropyl Acetate

Concen: 15.147 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

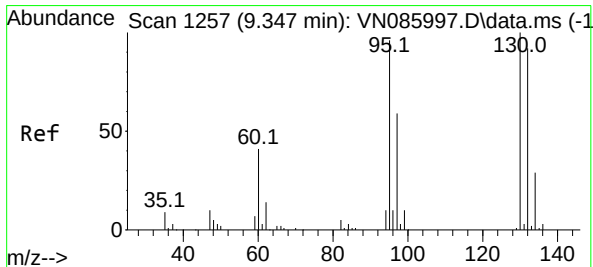
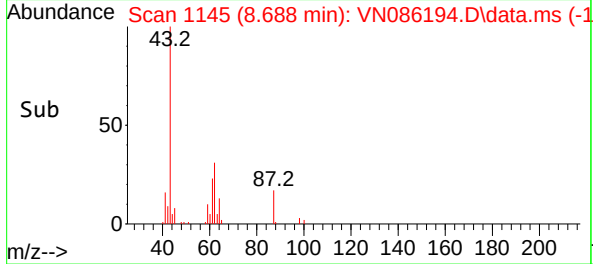
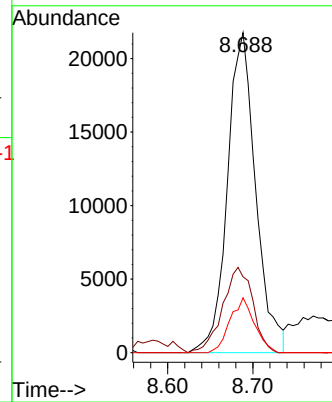
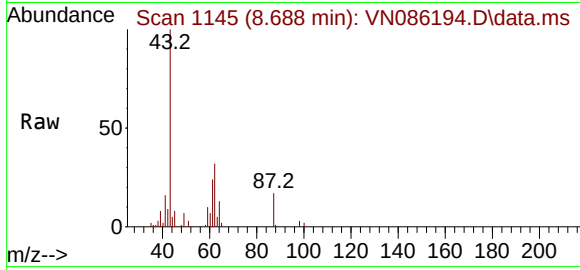
Tgt Ion: 43	Resp: 50249
Ion Ratio	Lower Upper
43 100	
61 28.3	25.0 37.6
87 14.8	13.0 19.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#44

Trichloroethene

Concen: 18.800 ug/l

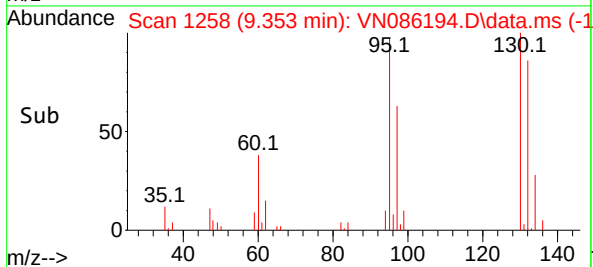
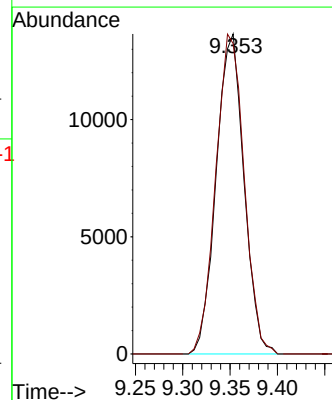
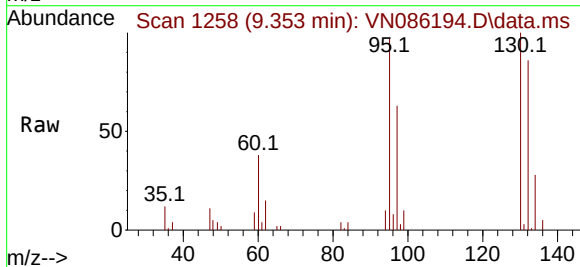
RT: 9.353 min Scan# 1258

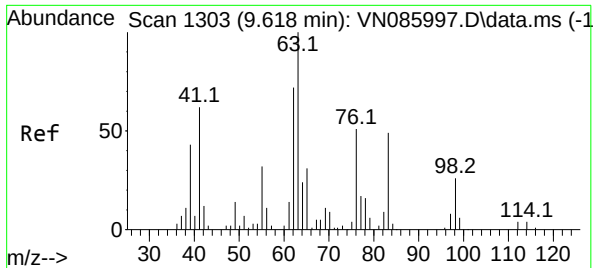
Delta R.T. 0.006 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Tgt Ion:130	Resp: 27756
Ion Ratio	Lower Upper
130 100	
95 97.0	0.0 191.6





#45

1,2-Dichloropropane

Concen: 19.214 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion: 63 Resp: 24894

Ion Ratio Lower Upper

63 100

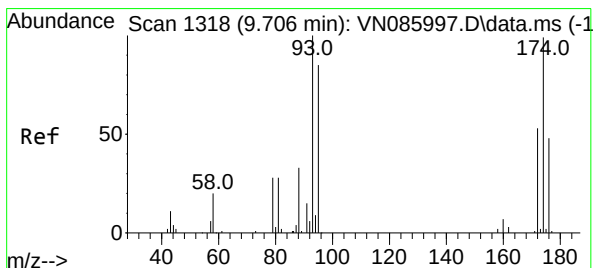
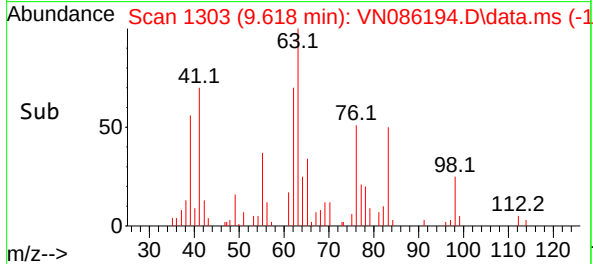
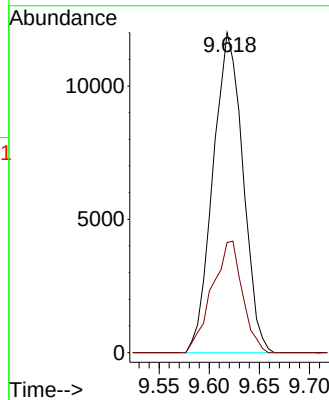
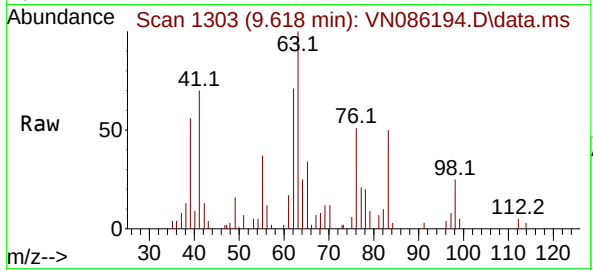
65 34.5 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#46

Dibromomethane

Concen: 20.529 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

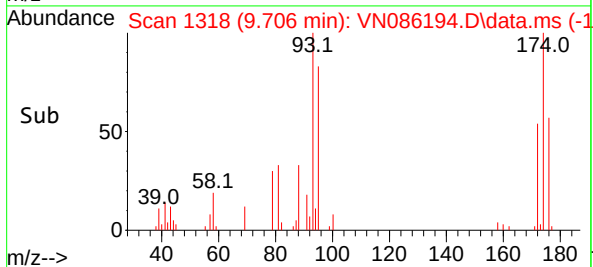
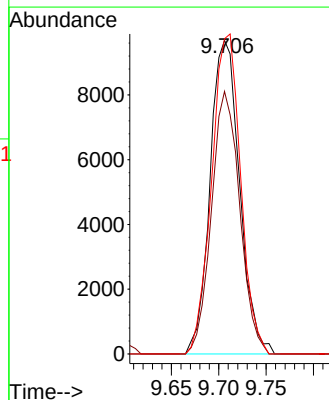
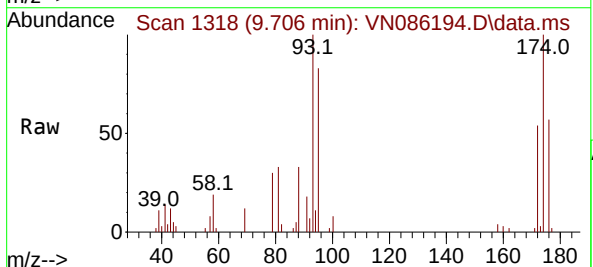
Tgt Ion: 93 Resp: 20918

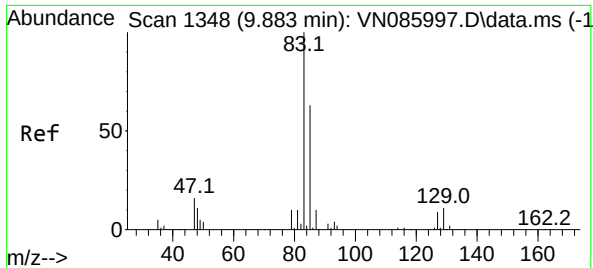
Ion Ratio Lower Upper

93 100

95 80.5 66.2 99.2

174 100.7 80.1 120.1





#47

Bromodichloromethane

Concen: 20.626 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

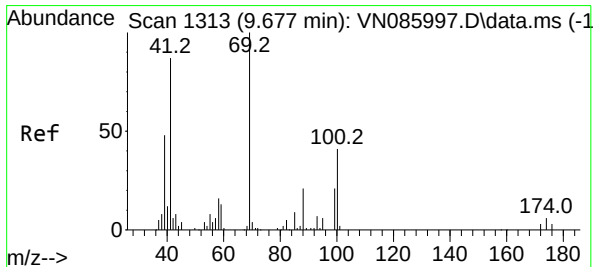
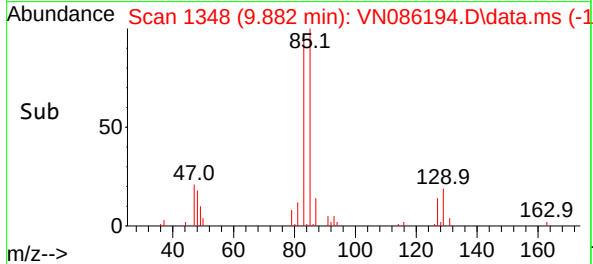
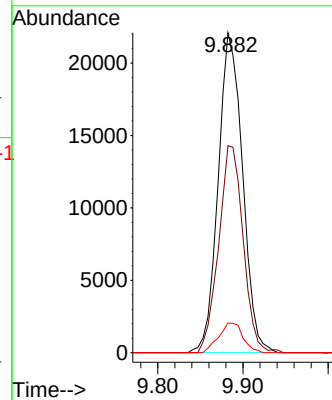
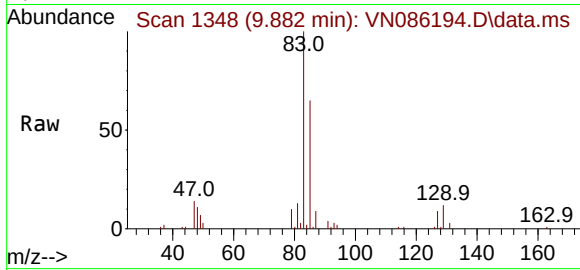
Tgt Ion:	83	Resp:	4392
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.2	75.2
127	9.3	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#48

Methyl methacrylate

Concen: 18.506 ug/l

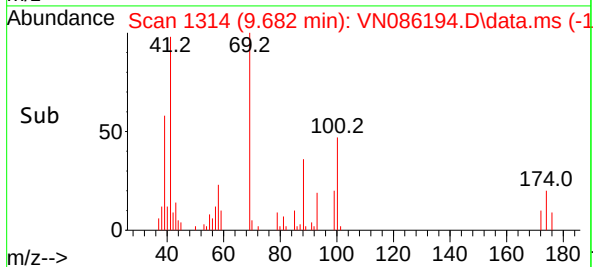
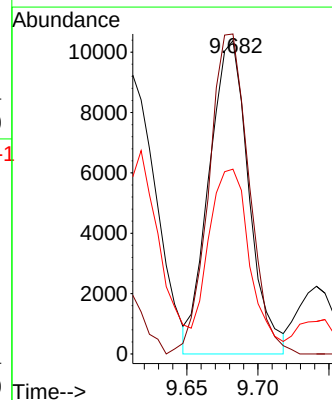
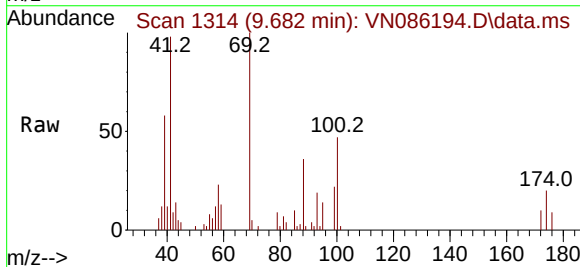
RT: 9.682 min Scan# 1314

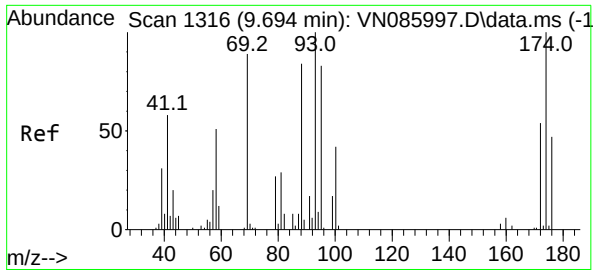
Delta R.T. 0.006 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Tgt Ion:	41	Resp:	20258
Ion	Ratio	Lower	Upper
41	100		
69	102.6	83.1	124.7
39	61.1	45.6	68.4





#49

1,4-Dioxane

Concen: 387.972 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion: 88 Resp: 10040

Ion Ratio Lower Upper

88 100

43 30.4 21.7 32.5

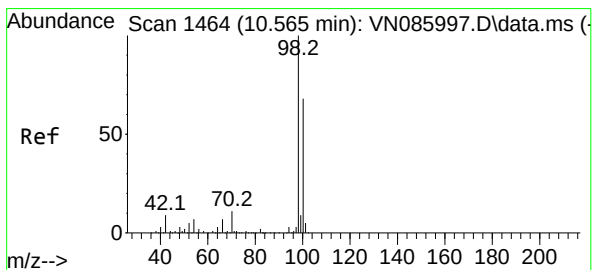
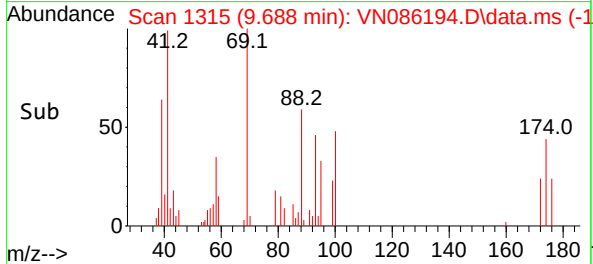
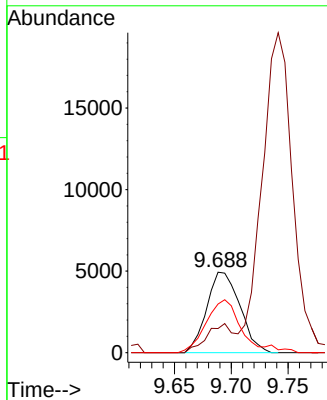
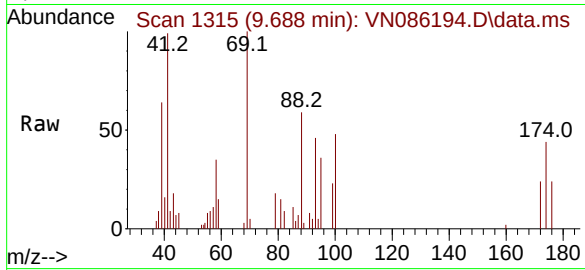
58 70.4 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#50

Toluene-d8

Concen: 49.707 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086194.D

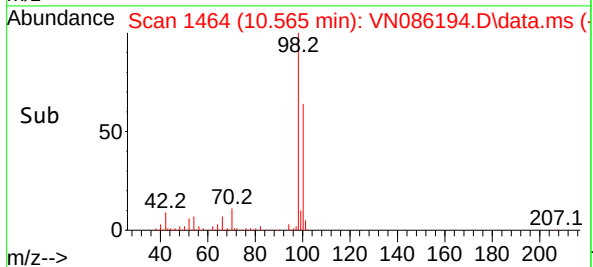
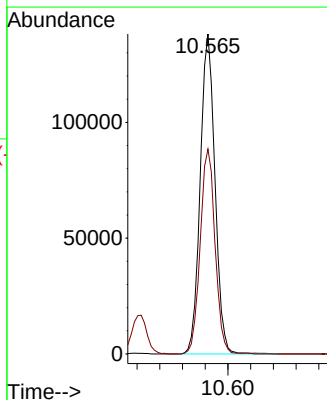
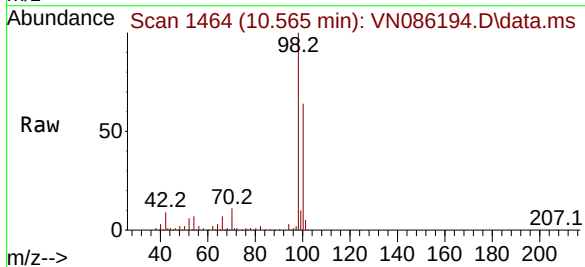
Acq: 01 Apr 2025 13:54

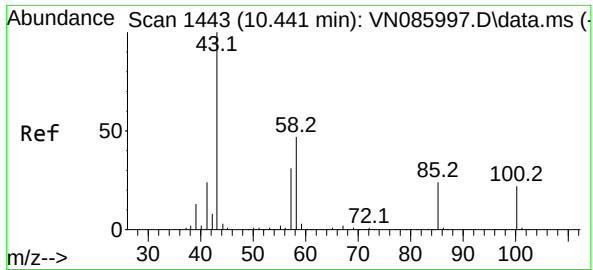
Tgt Ion: 98 Resp: 248615

Ion Ratio Lower Upper

98 100

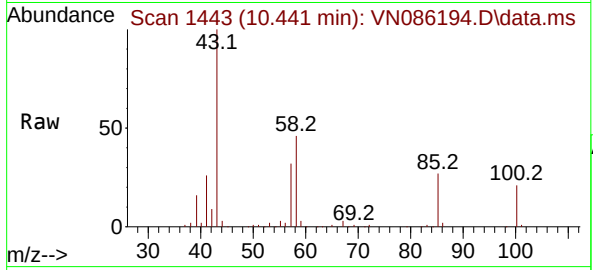
100 64.4 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 98.393 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

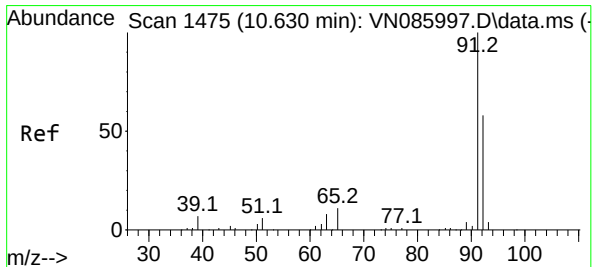
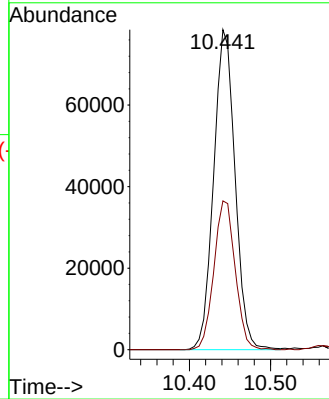
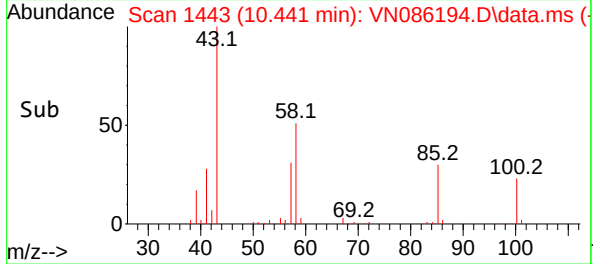
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 43 Resp: 143952
Ion Ratio Lower Upper
43 100
58 46.2 37.4 56.0

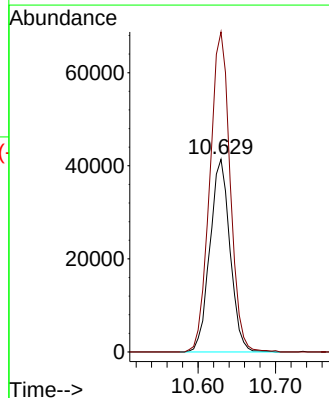
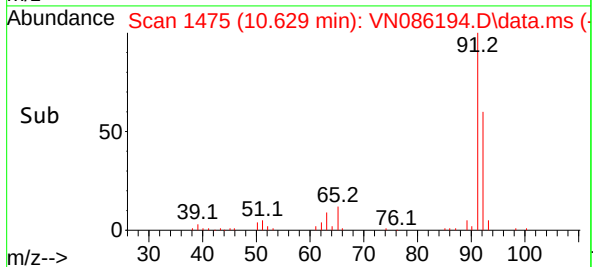
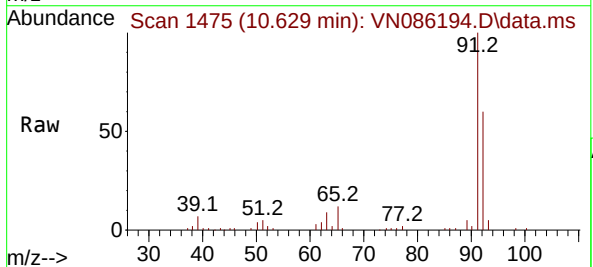
Manual Integrations
APPROVED

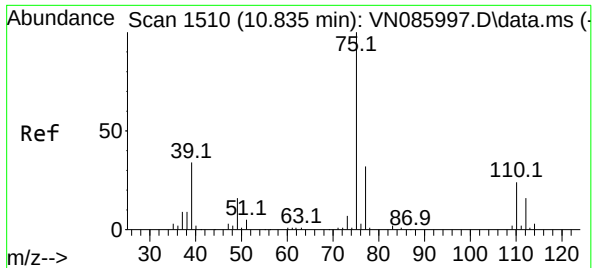
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#52
Toluene
Concen: 21.333 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

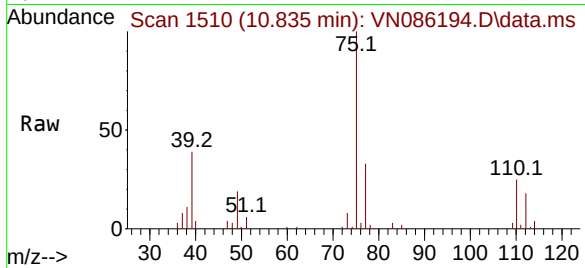
Tgt Ion: 92 Resp: 74584
Ion Ratio Lower Upper
92 100
91 168.2 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 19.324 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

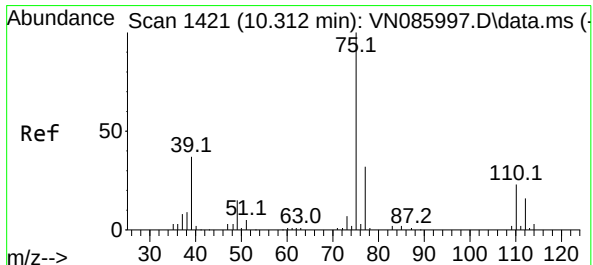
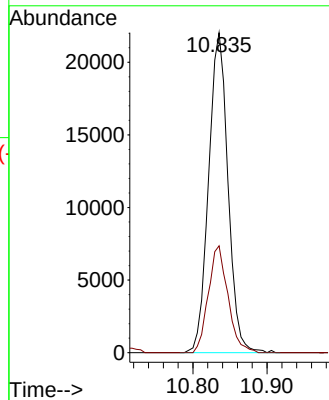
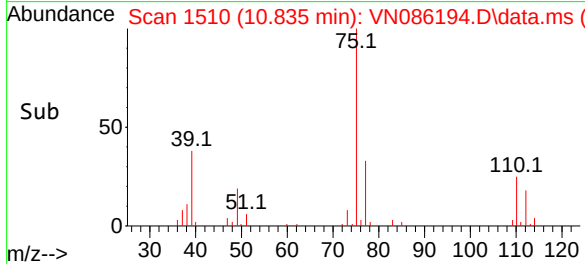
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 75 Resp: 39964
Ion Ratio Lower Upper
75 100
77 33.4 25.3 37.9

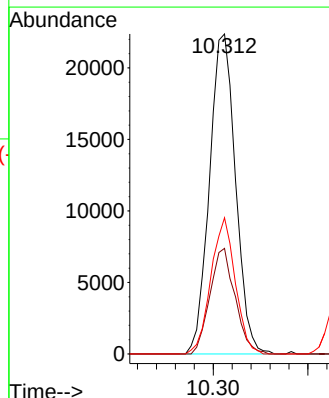
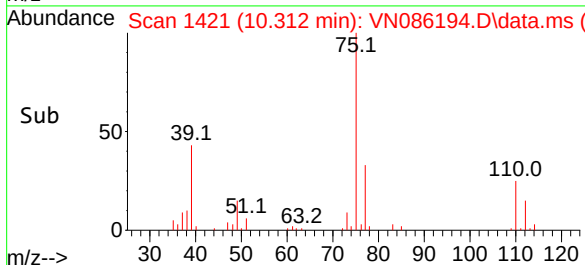
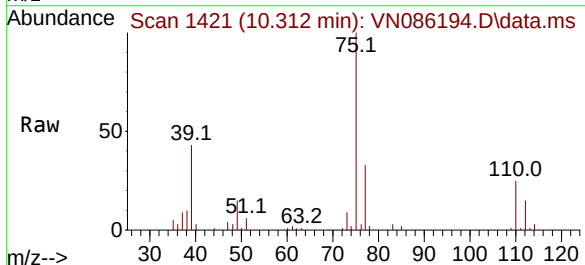
Manual Integrations
APPROVED

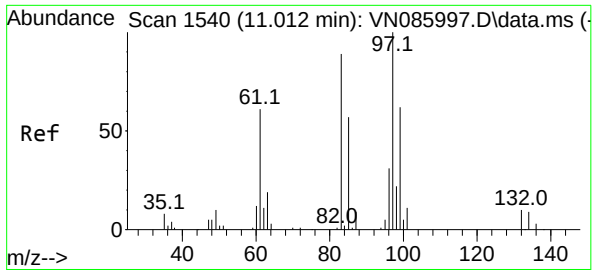
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#54
cis-1,3-Dichloropropene
Concen: 19.613 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

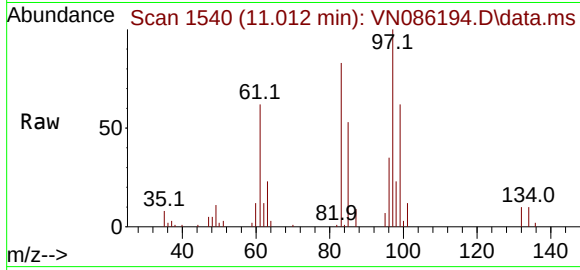
Tgt Ion: 75 Resp: 42797
Ion Ratio Lower Upper
75 100
77 33.0 25.3 37.9
39 42.6 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 20.805 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

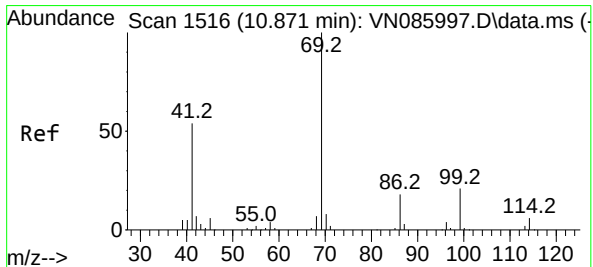
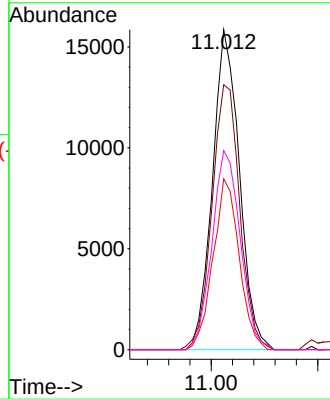
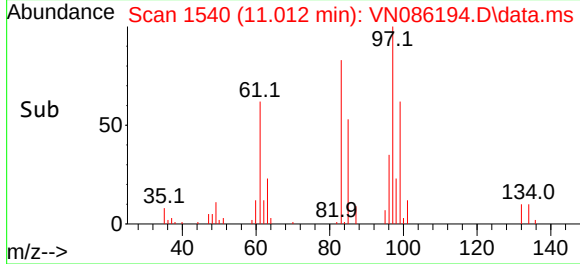
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 97 Resp: 2776
Ion Ratio Lower Upper
97 100
83 82.8 71.2 106.8
85 53.4 45.4 68.0
99 62.2 49.5 74.3

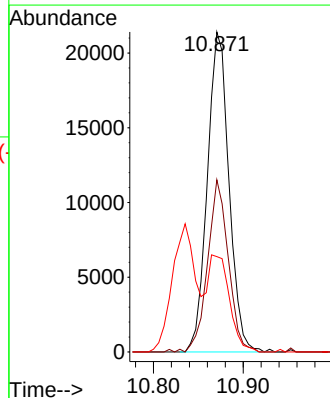
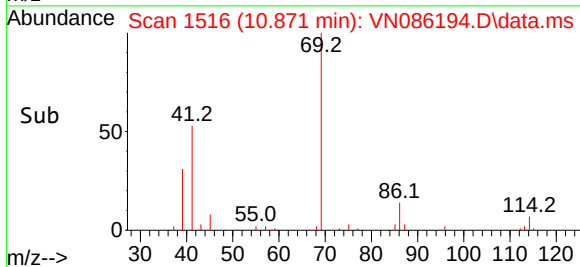
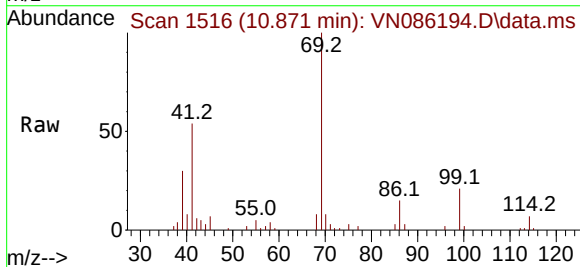
Manual Integrations
APPROVED

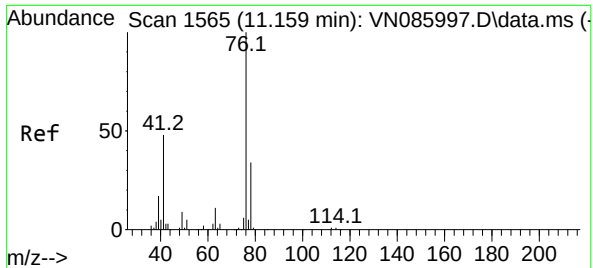
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#56
Ethyl methacrylate
Concen: 19.705 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion: 69 Resp: 35888
Ion Ratio Lower Upper
69 100
41 51.5 41.6 62.4
39 31.4 21.8 32.8





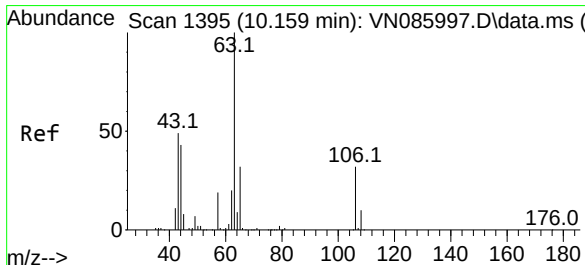
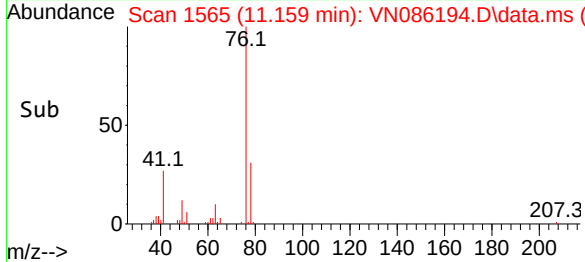
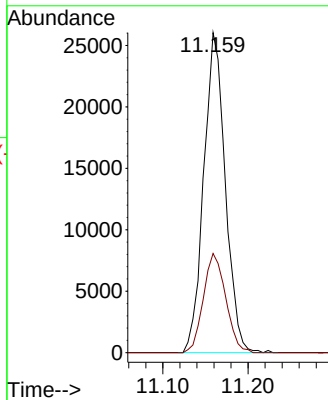
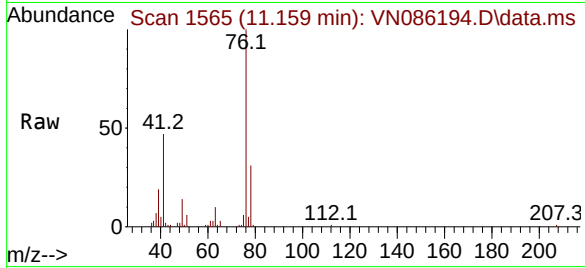
#57
1,3-Dichloropropane
Concen: 20.246 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tgt Ion: 76 Resp: 4588
Ion Ratio Lower Upper
76 100
78 32.1 25.8 38.6

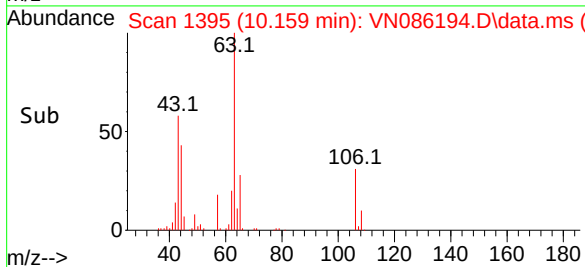
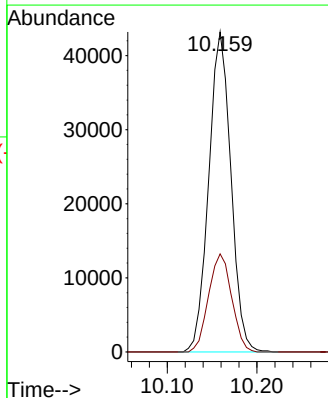
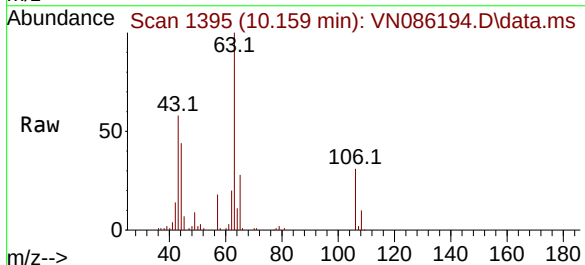
Manual Integrations
APPROVED

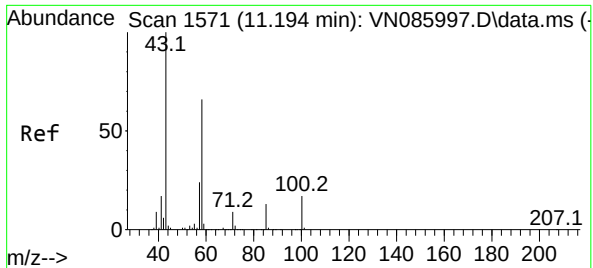
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#58
2-Chloroethyl Vinyl ether
Concen: 106.866 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

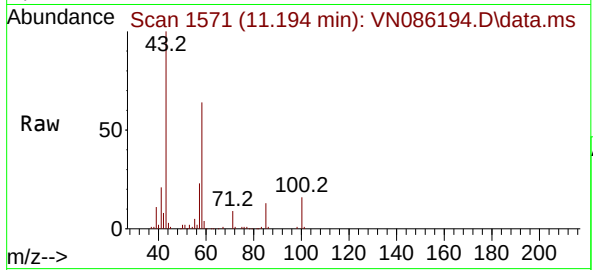
Tgt Ion: 63 Resp: 74119
Ion Ratio Lower Upper
63 100
106 31.9 25.0 37.6





#59
2-Hexanone
Concen: 100.644 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

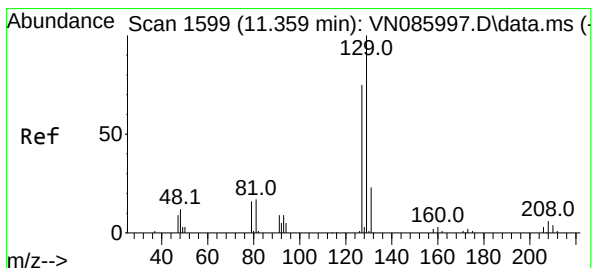
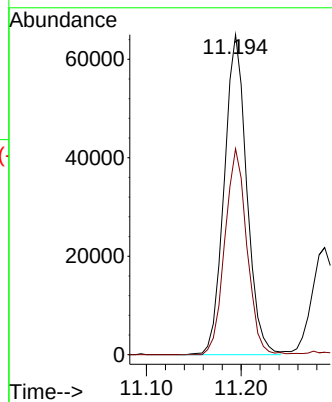
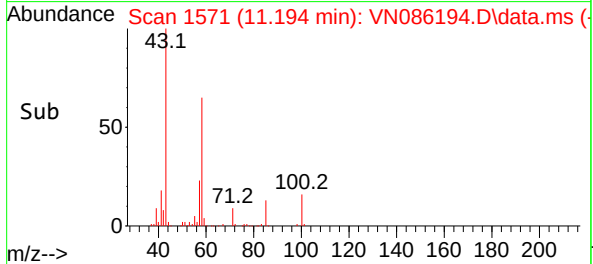
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 43 Resp: 10726
Ion Ratio Lower Upper
43 100
58 63.0 32.4 97.2

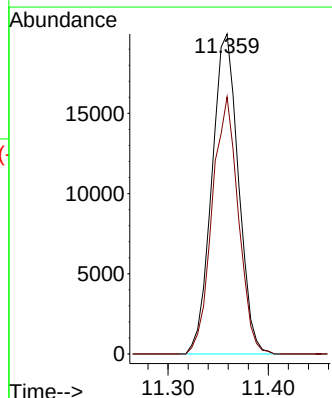
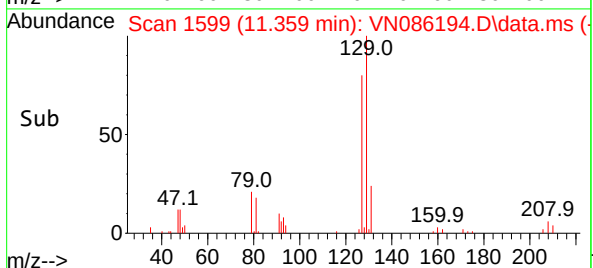
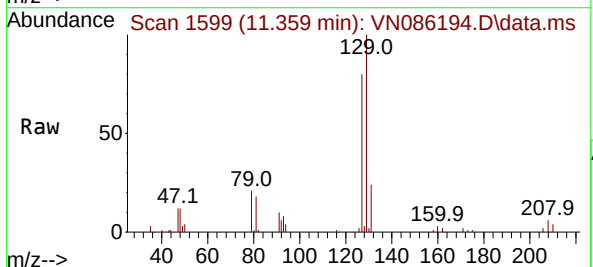
Manual Integrations
APPROVED

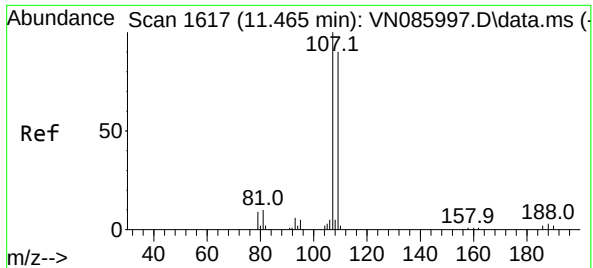
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#60
Dibromochloromethane
Concen: 21.330 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

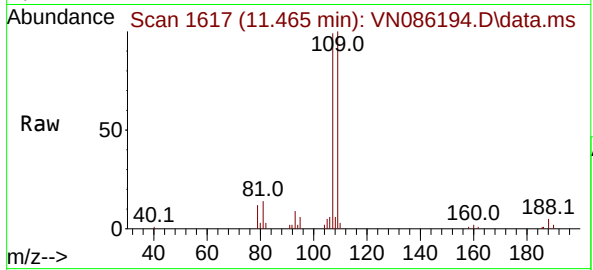
Tgt Ion:129 Resp: 36729
Ion Ratio Lower Upper
129 100
127 78.8 37.8 113.4





#61
1,2-Dibromoethane
Concen: 20.039 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

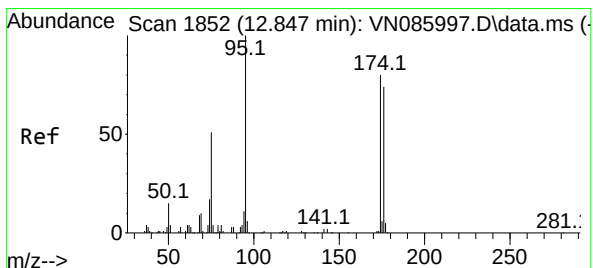
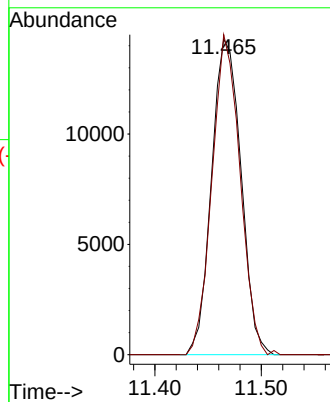
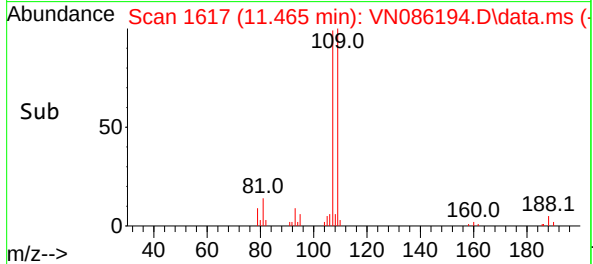
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion:107 Resp: 2745
Ion Ratio Lower Upper
107 100
109 96.6 73.3 109.9

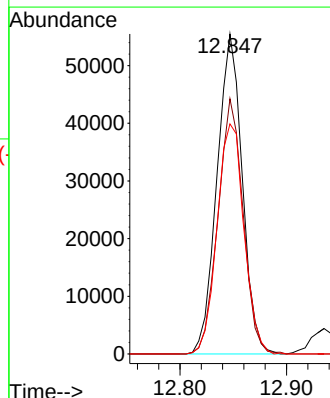
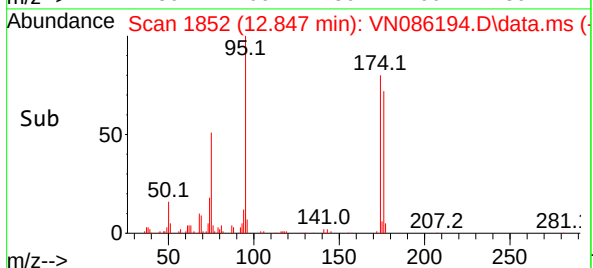
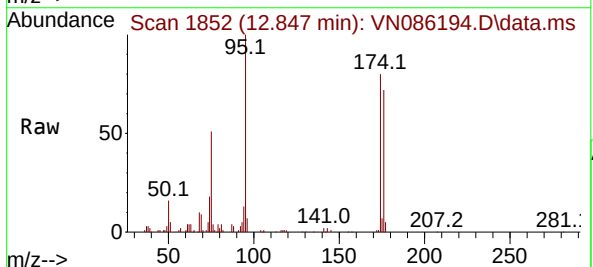
Manual Integrations
APPROVED

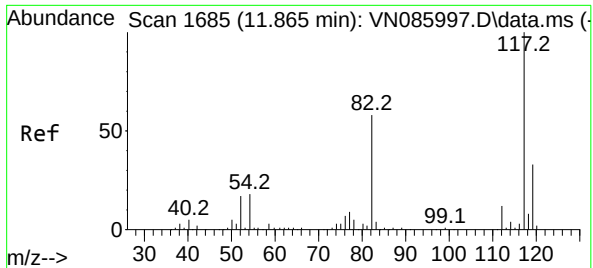
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#62
4-Bromofluorobenzene
Concen: 51.176 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

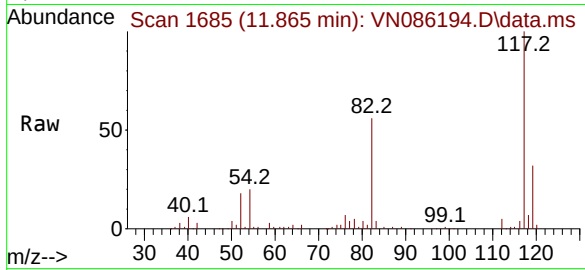
Tgt Ion: 95 Resp: 91284
Ion Ratio Lower Upper
95 100
174 79.0 0.0 156.8
176 76.7 0.0 152.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

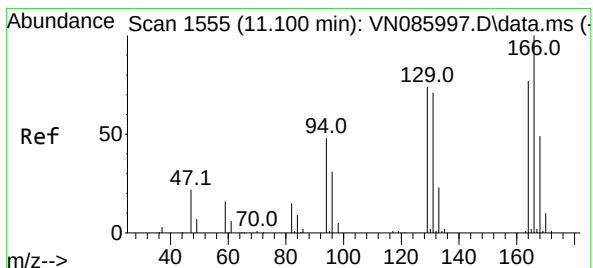
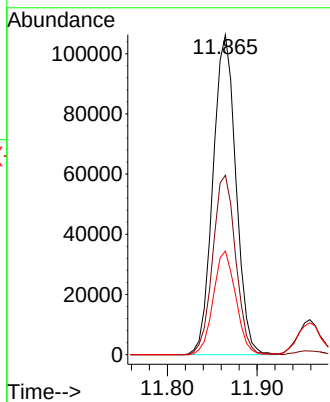
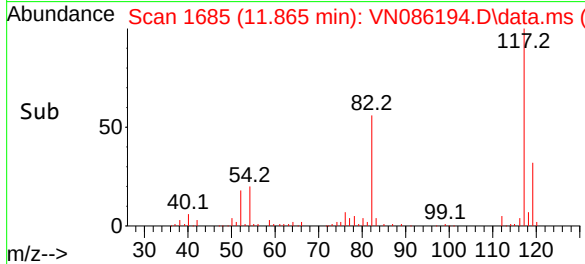
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



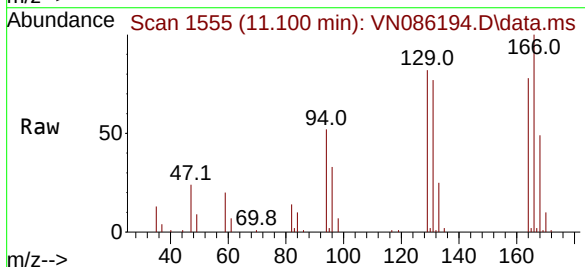
Tgt Ion:117 Resp: 188658
Ion Ratio Lower Upper
117 100
82 56.1 46.7 70.1
119 32.4 26.5 39.7

Manual Integrations
APPROVED

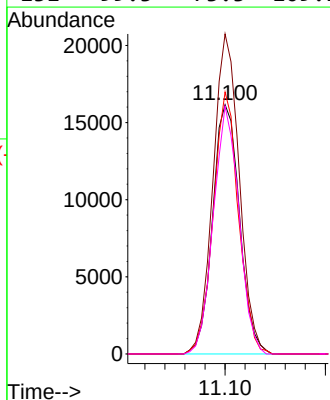
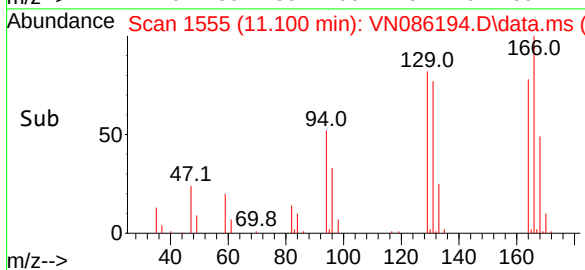
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

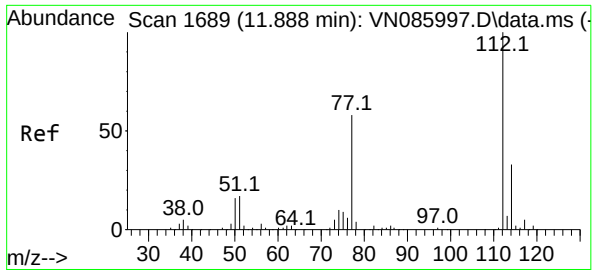


#64
Tetrachloroethene
Concen: 19.997 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54



Tgt Ion:164 Resp: 30094
Ion Ratio Lower Upper
164 100
166 128.3 103.7 155.5
129 105.0 77.1 115.7
131 99.3 73.3 109.9





#65

Chlorobenzene

Concen: 18.433 ug/l

RT: 11.888 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tgt Ion:112 Resp: 7957

Ion Ratio Lower Upper

112 100

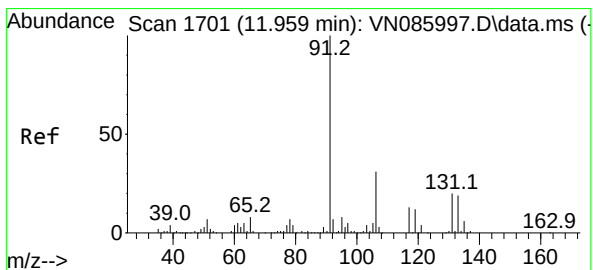
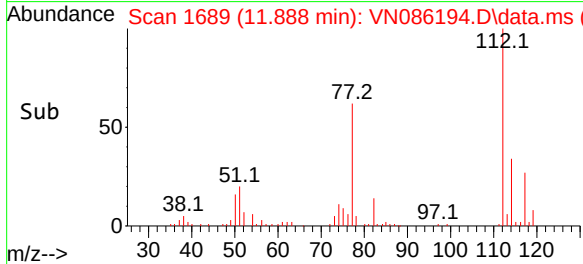
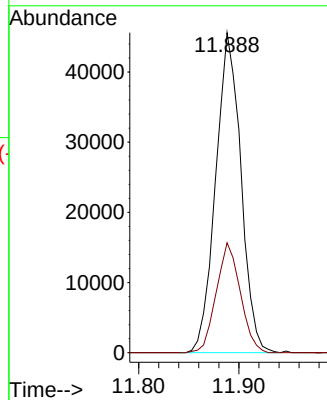
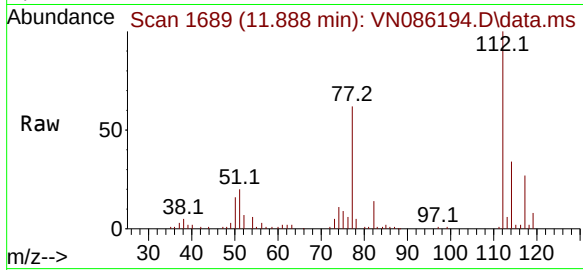
114 34.4 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 20.436 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

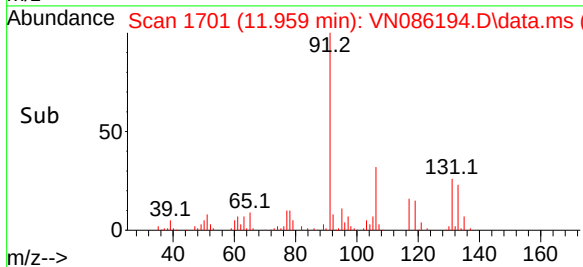
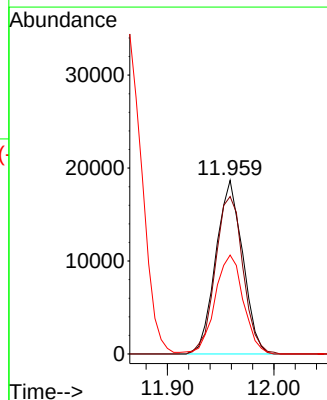
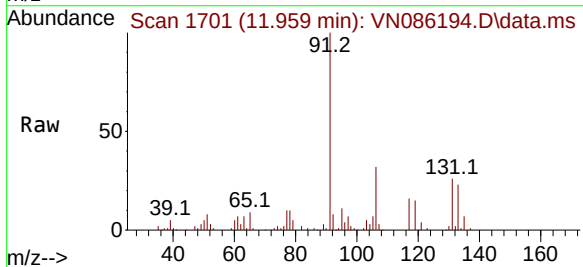
Tgt Ion:131 Resp: 32796

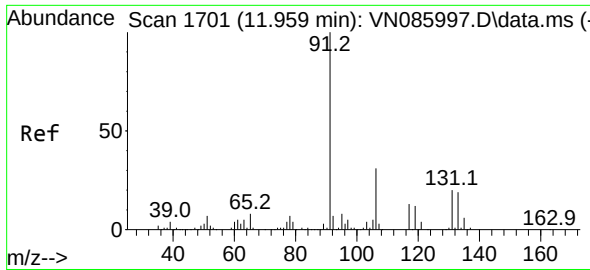
Ion Ratio Lower Upper

131 100

133 93.4 47.0 141.0

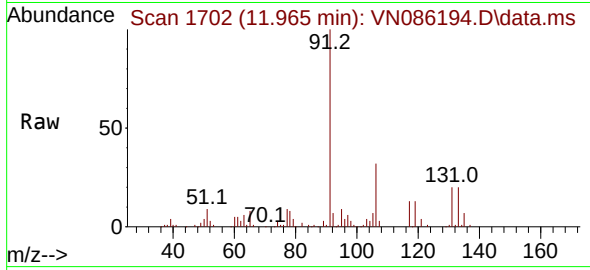
119 60.0 31.4 94.0





#67
Ethyl Benzene
Concen: 18.635 ug/l
RT: 11.965 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

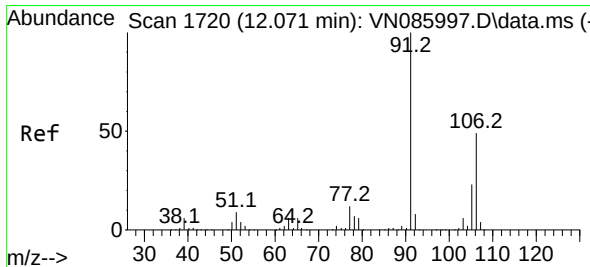
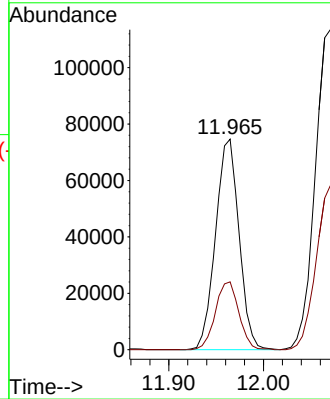
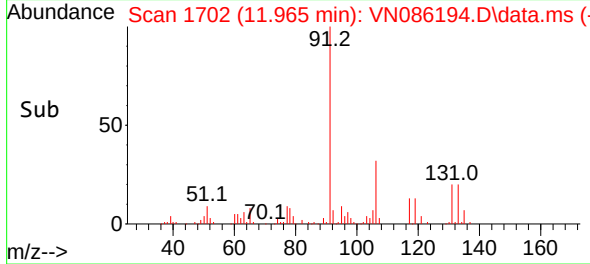
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 91 Resp: 128684
Ion Ratio Lower Upper
91 100
106 32.2 24.5 36.7

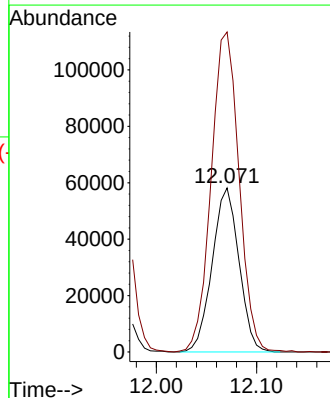
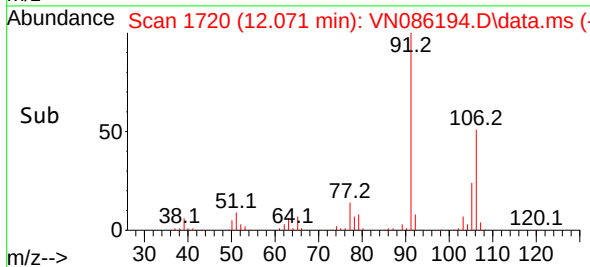
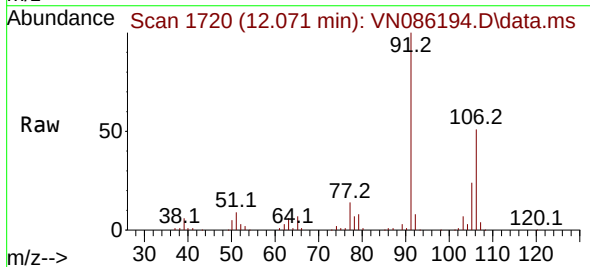
Manual Integrations
APPROVED

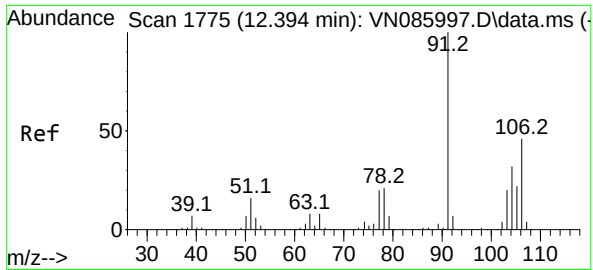
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#68
m/p-Xylenes
Concen: 39.715 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion:106 Resp: 107795
Ion Ratio Lower Upper
106 100
91 203.4 163.9 245.9





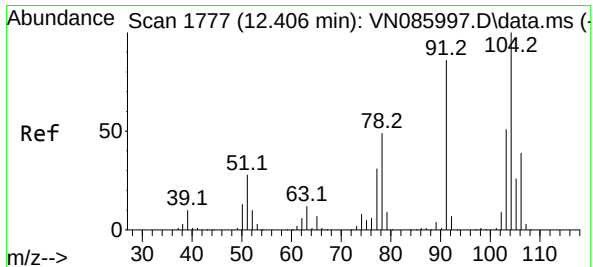
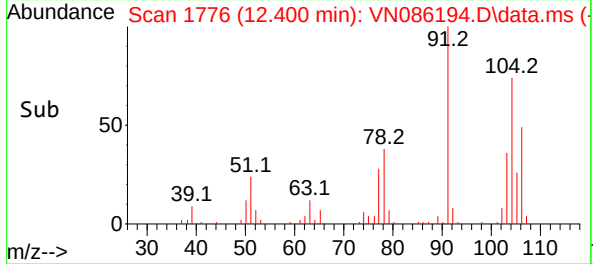
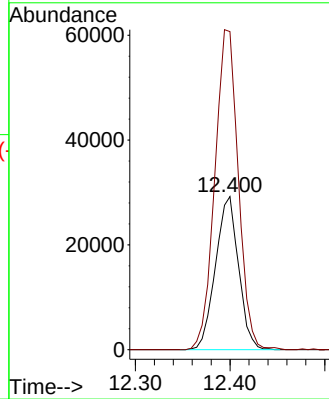
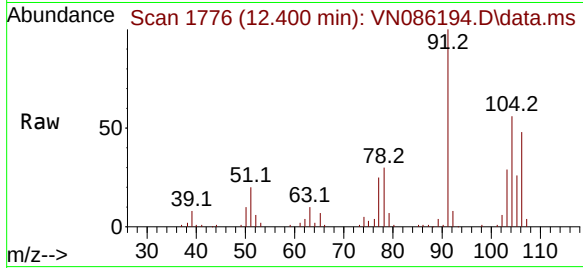
#69
o-Xylene
Concen: 19.826 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tgt Ion:106 Resp: 49390
Ion Ratio Lower Upper
106 100
91 212.9 109.1 327.2

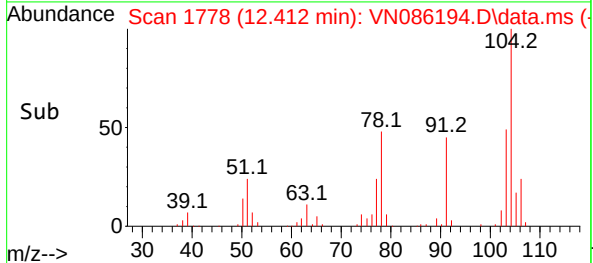
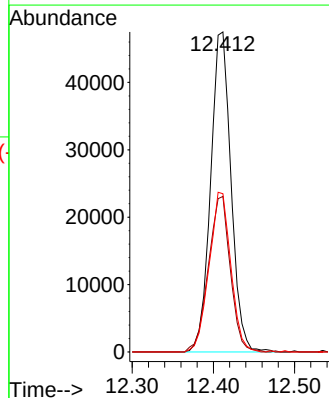
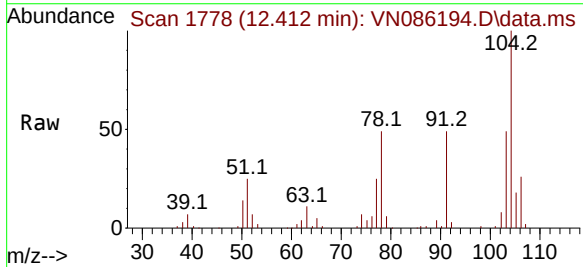
Manual Integrations
APPROVED

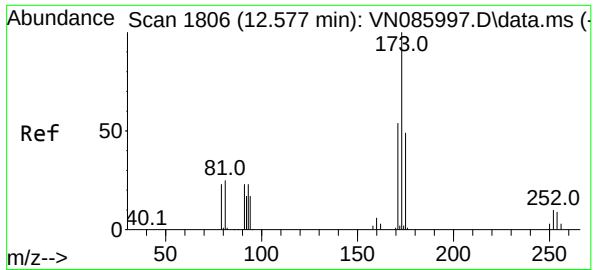
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#70
Styrene
Concen: 19.484 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

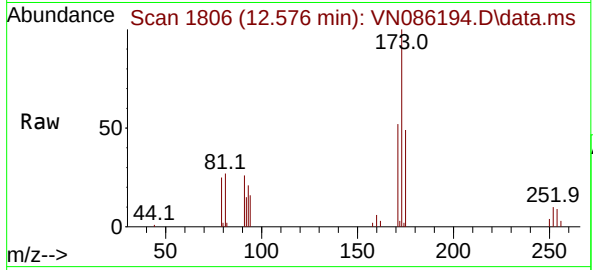
Tgt Ion:104 Resp: 82905
Ion Ratio Lower Upper
104 100
78 52.1 41.4 62.2
103 53.0 42.9 64.3





#71
Bromoform
Concen: 19.765 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

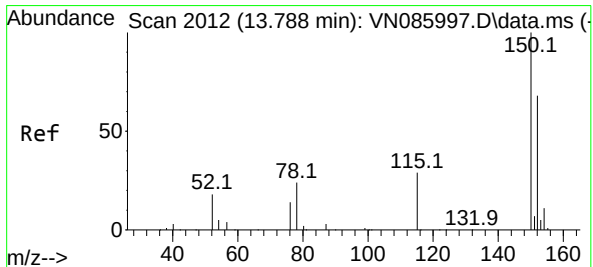
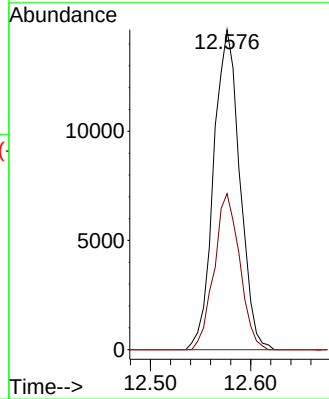
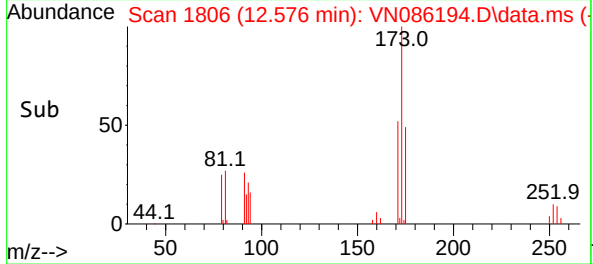
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion:173 Resp: 2651
Ion Ratio Lower Upper
173 100
175 47.5 24.3 73.0
254 0.0 0.0 0.0

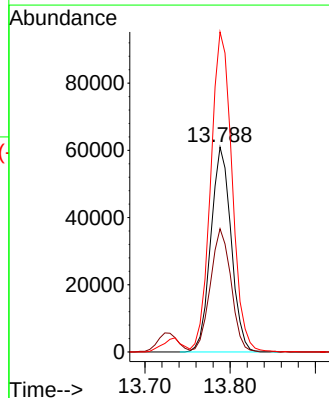
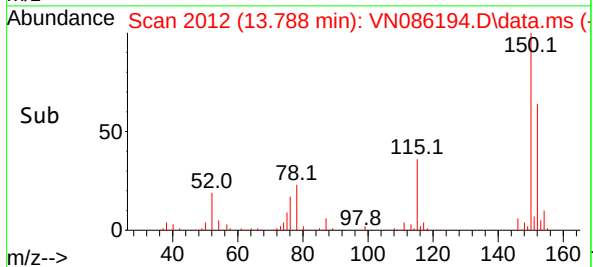
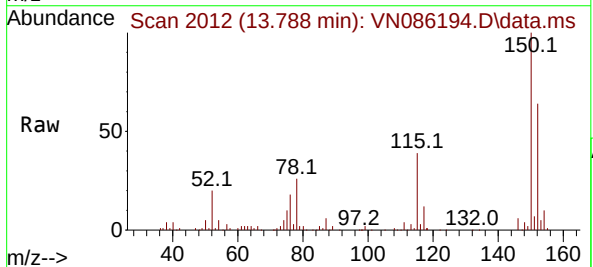
Manual Integrations
APPROVED

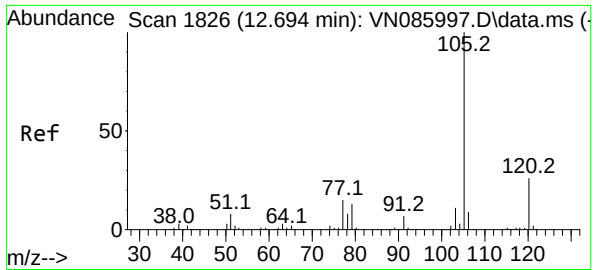
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

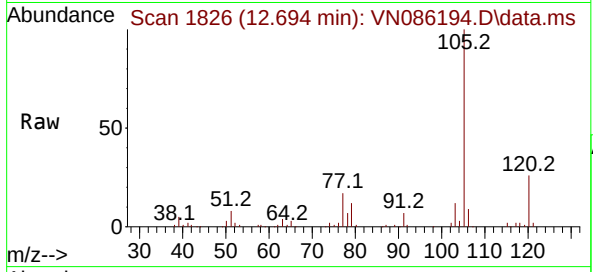
Tgt Ion:152 Resp: 101045
Ion Ratio Lower Upper
152 100
115 61.1 31.1 93.2
150 164.0 0.0 359.6





#73
Isopropylbenzene
Concen: 17.656 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

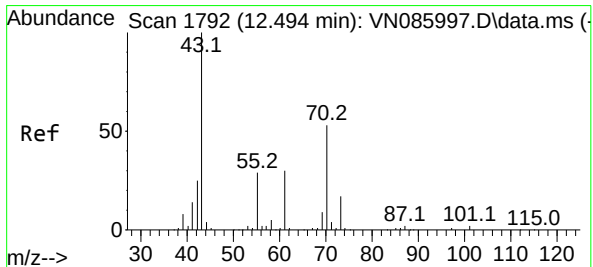
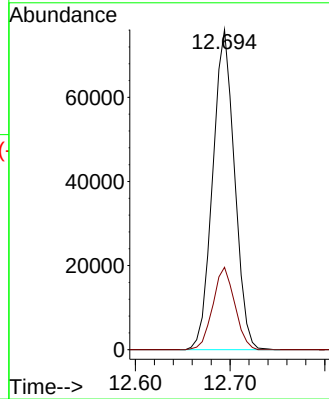
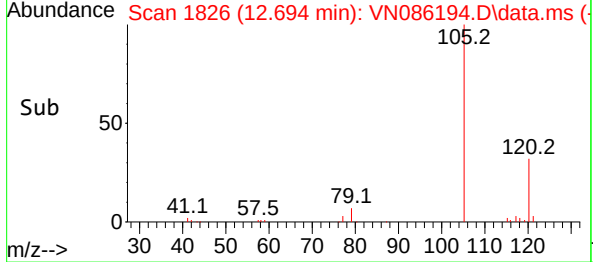
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion:105 Resp: 121830
Ion Ratio Lower Upper
105 100
120 25.9 13.0 39.0

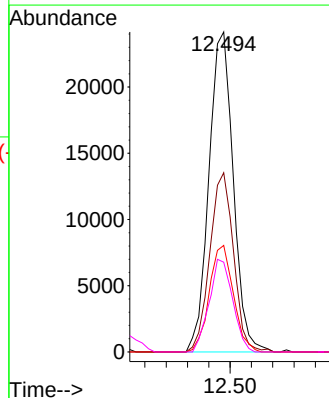
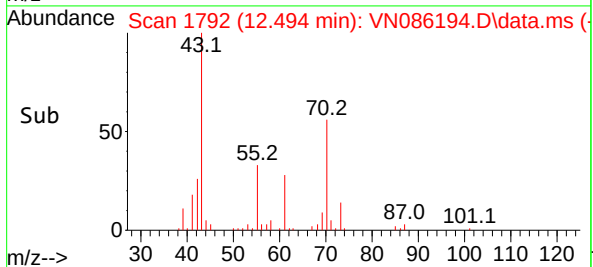
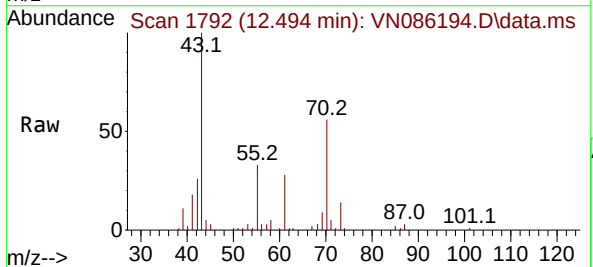
Manual Integrations
APPROVED

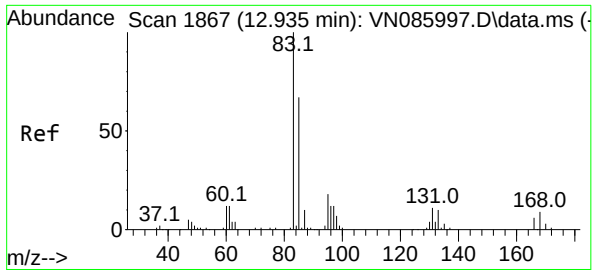
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#74
N-ethyl acetate
Concen: 16.601 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

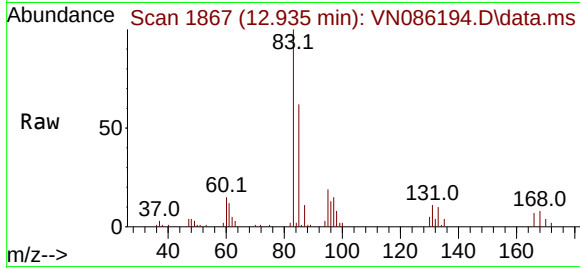
Tgt Ion: 43 Resp: 38325
Ion Ratio Lower Upper
43 100
70 54.6 43.0 64.4
55 32.9 23.8 35.8
61 28.0 23.4 35.0





#75
1,1,2,2-Tetrachloroethane
Concen: 17.033 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

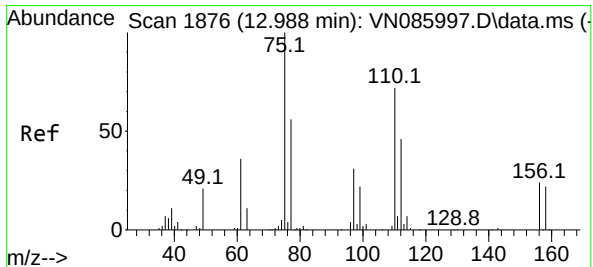
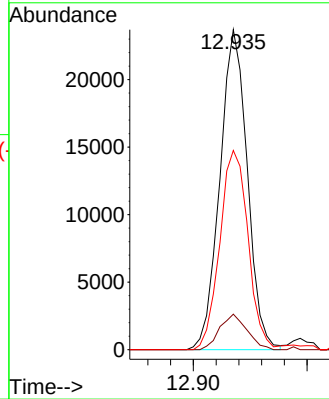
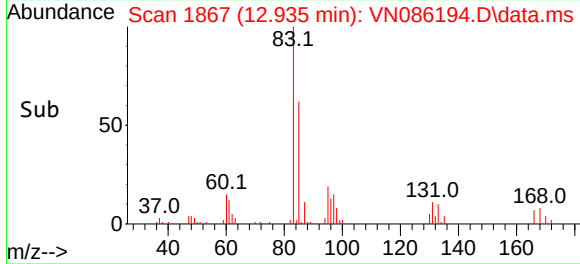
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 83 Resp: 39762
Ion Ratio Lower Upper
83 100
131 11.0 5.5 16.5
85 64.1 32.6 97.8

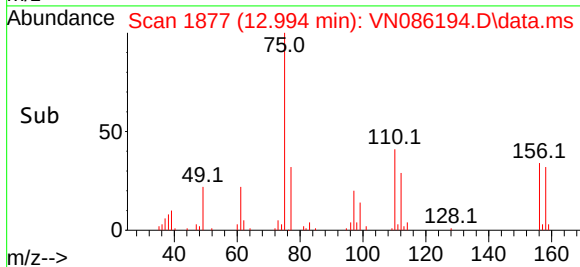
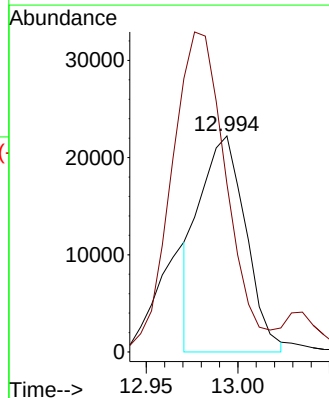
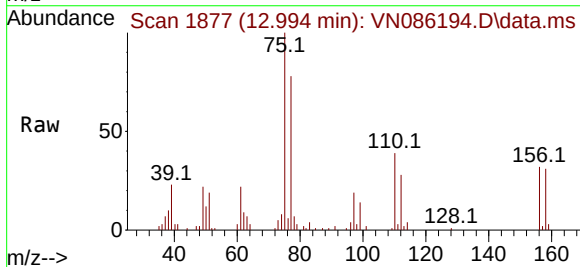
Manual Integrations
APPROVED

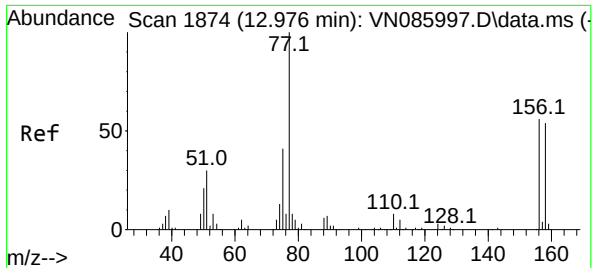
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#76
1,2,3-Trichloropropane
Concen: 17.256 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

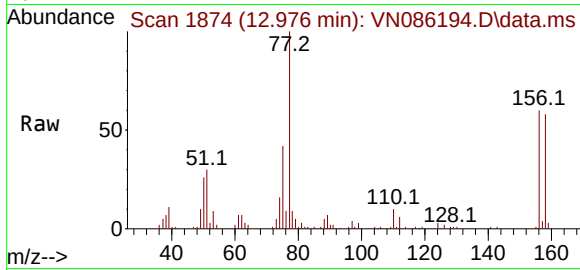
Tgt Ion: 75 Resp: 39036
Ion Ratio Lower Upper
75 100
77 175.5 83.7 251.0





#77
Bromobenzene
Concen: 17.318 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

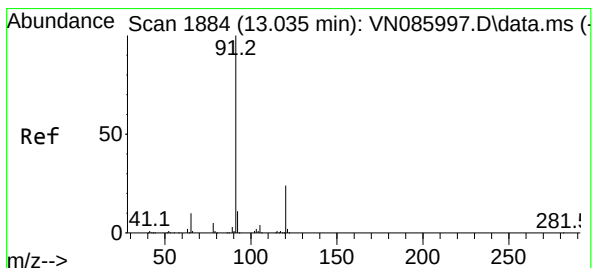
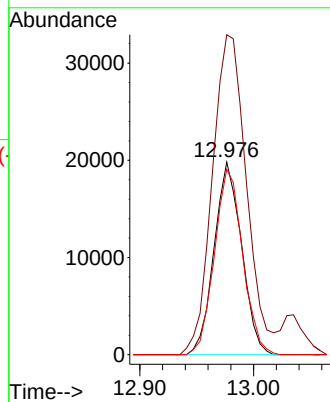
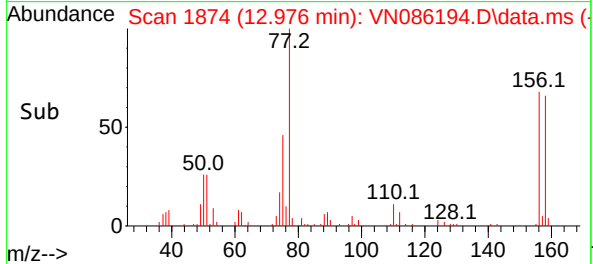
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



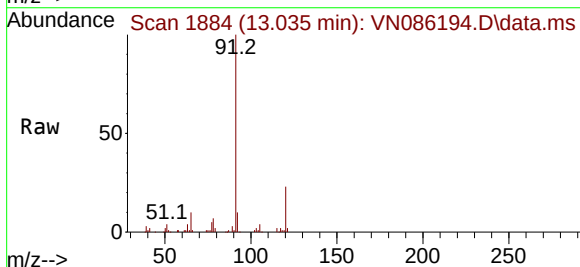
Tgt Ion:156 Resp: 3332
Ion Ratio Lower Upper
156 100
77 205.6 104.1 312.3
158 98.9 49.0 147.0

Manual Integrations
APPROVED

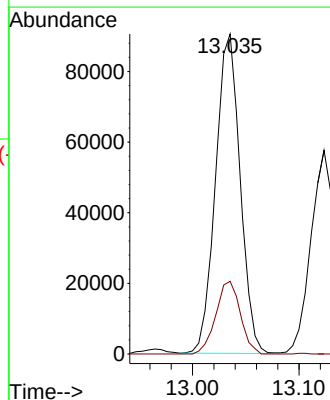
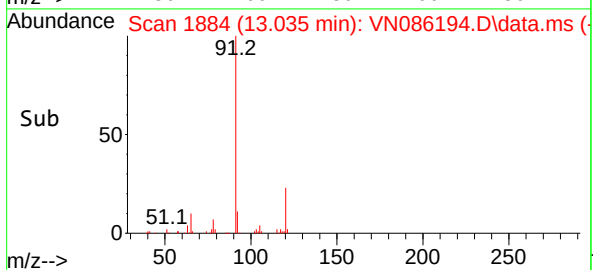
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

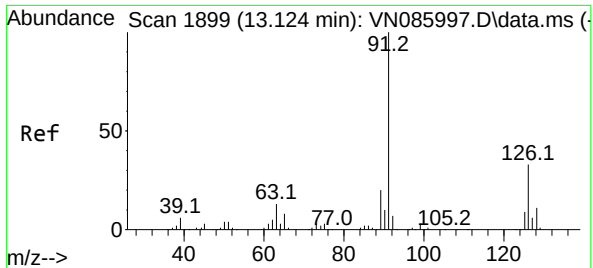


#78
n-propylbenzene
Concen: 18.527 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54



Tgt Ion: 91 Resp: 144762
Ion Ratio Lower Upper
91 100
120 22.7 11.7 35.0





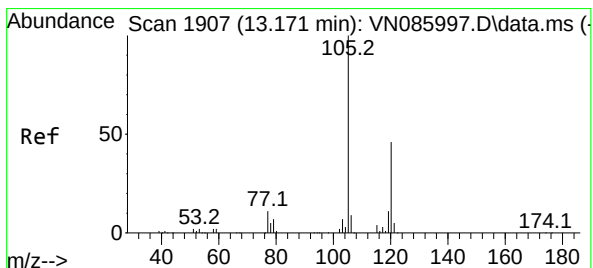
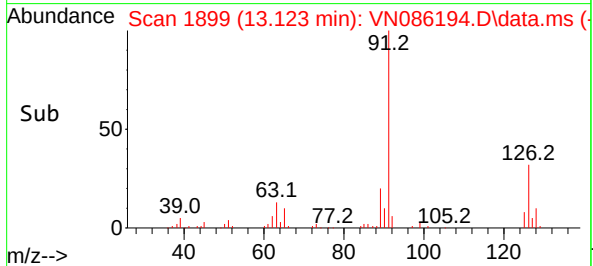
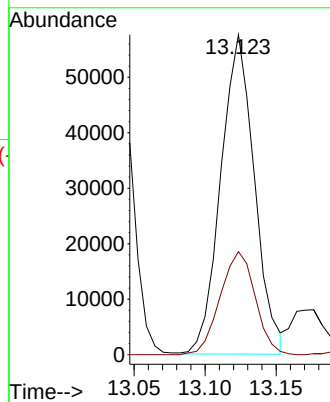
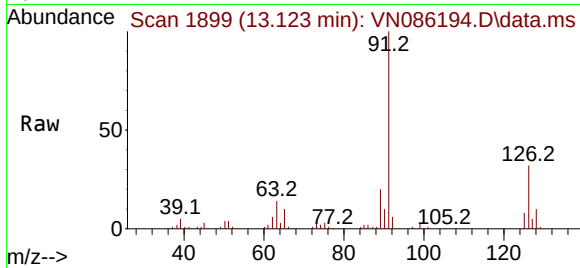
#79
2-Chlorotoluene
Concen: 18.255 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tgt Ion: 91 Resp: 94739
Ion Ratio Lower Upper
91 100
126 33.5 16.4 49.2

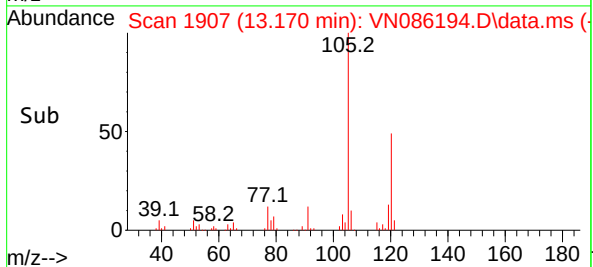
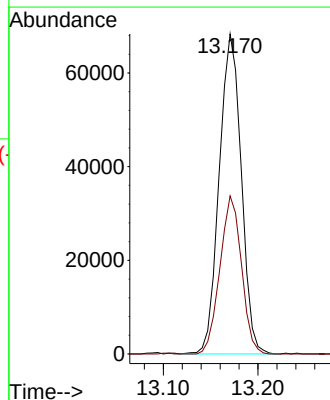
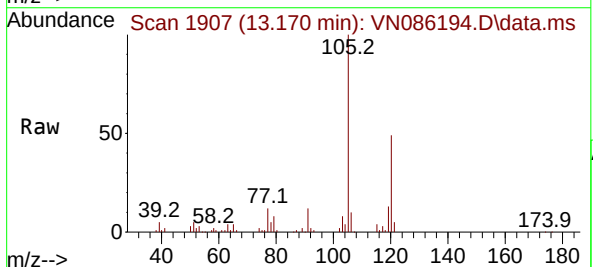
Manual Integrations
APPROVED

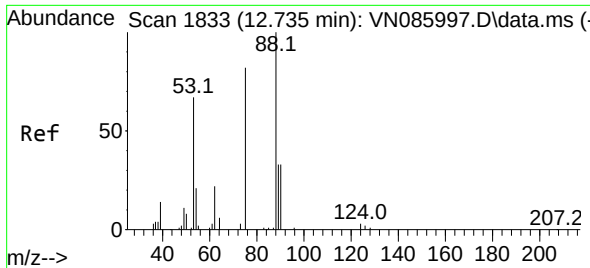
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#80
1,3,5-Trimethylbenzene
Concen: 18.976 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

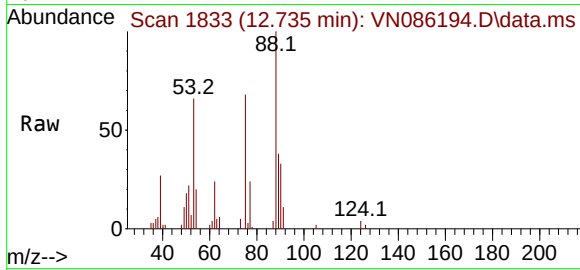
Tgt Ion:105 Resp: 110547
Ion Ratio Lower Upper
105 100
120 48.2 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 15.527 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

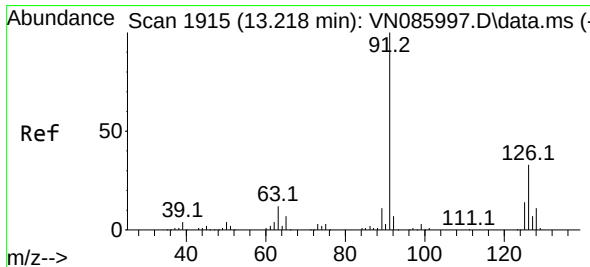
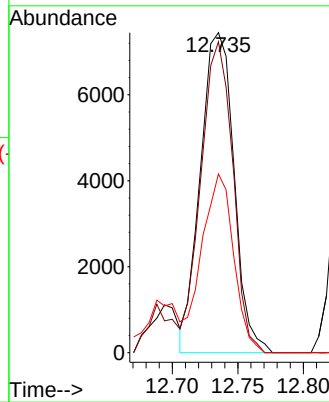
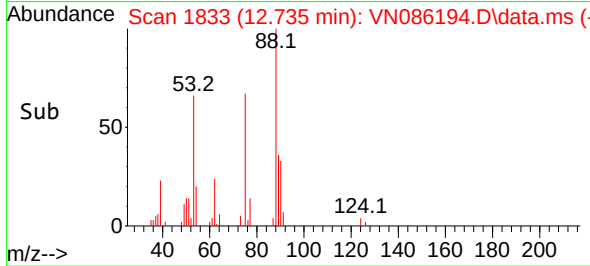
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



Tgt Ion: 75 Resp: 13280
Ion Ratio Lower Upper
75 100
53 92.2 66.0 99.0
89 53.5 36.9 55.3

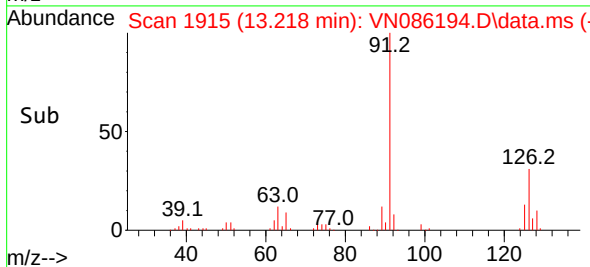
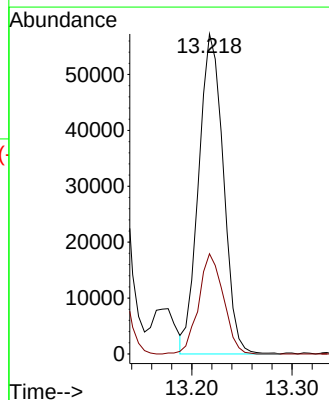
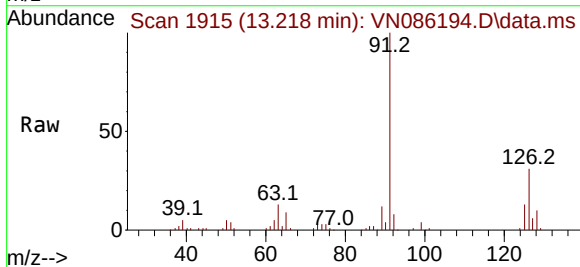
Manual Integrations
APPROVED

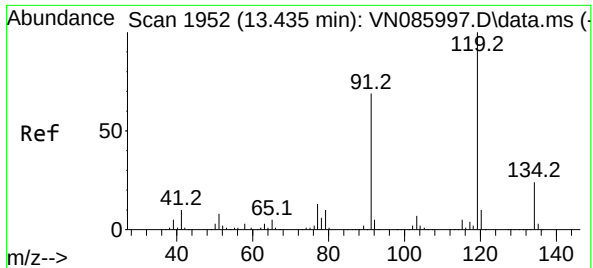
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#82
4-Chlorotoluene
Concen: 18.385 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion: 91 Resp: 98122
Ion Ratio Lower Upper
91 100
126 31.4 16.1 48.2





#83

tert-Butylbenzene

Concen: 17.283 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

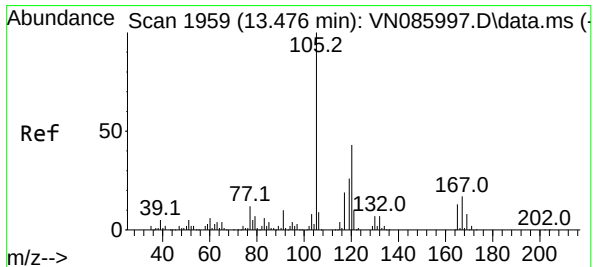
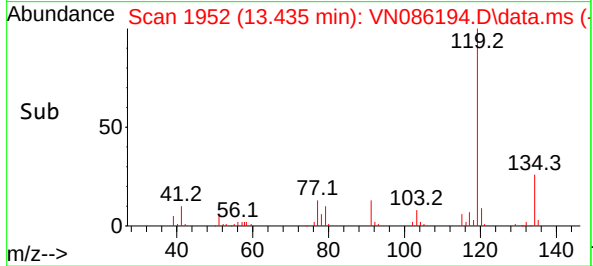
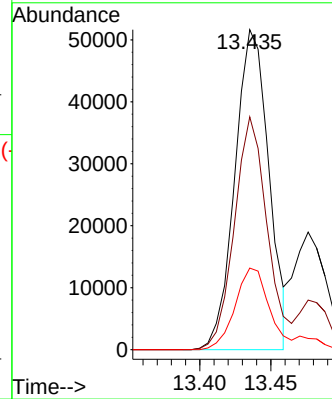
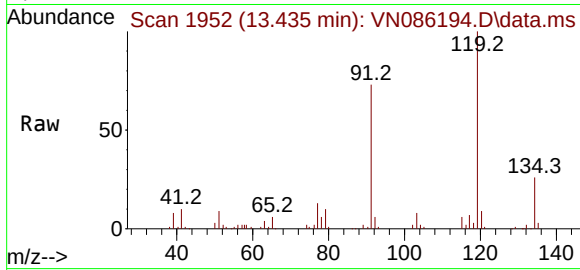
Tgt Ion:	119	Resp:	8611
Ion Ratio	Lower	Upper	
119	100		
91	70.7	34.3	102.9
134	25.6	13.5	40.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#84

1,2,4-Trimethylbenzene

Concen: 18.528 ug/l

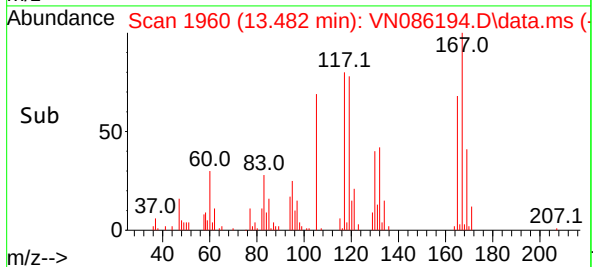
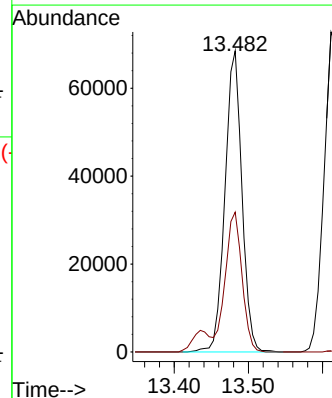
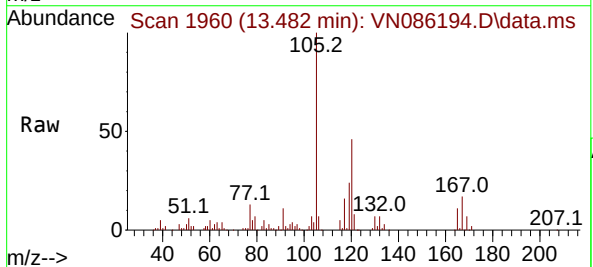
RT: 13.482 min Scan# 1960

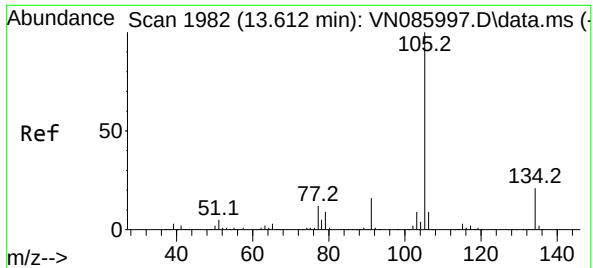
Delta R.T. 0.006 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Tgt Ion:	105	Resp:	108868
Ion Ratio	Lower	Upper	
105	100		
120	45.6	21.9	65.8





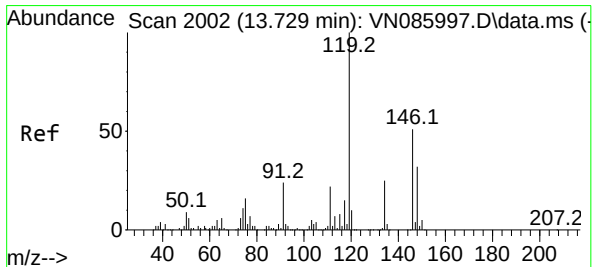
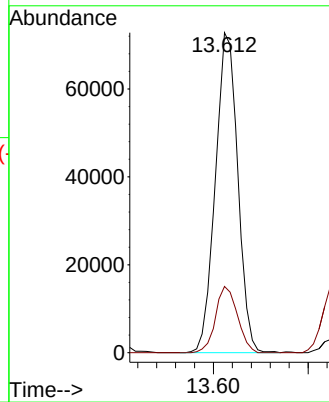
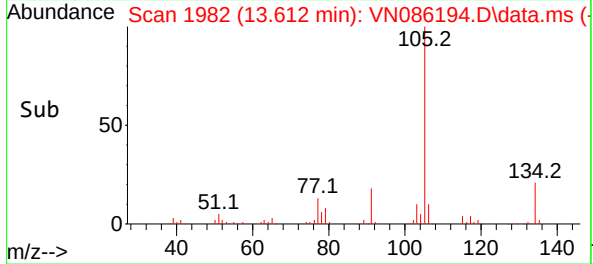
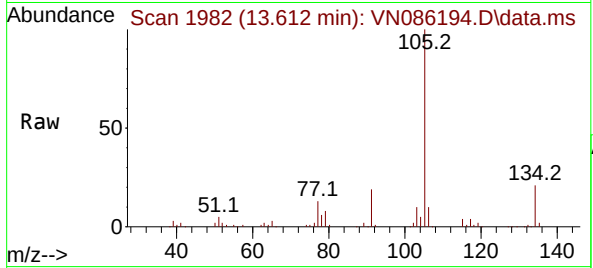
#85
sec-Butylbenzene
Concen: 18.413 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tgt Ion:105 Resp: 11968
Ion Ratio Lower Upper
105 100
134 20.2 10.1 30.1

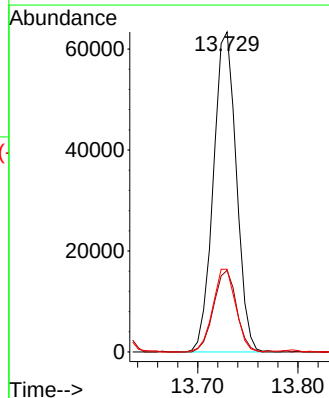
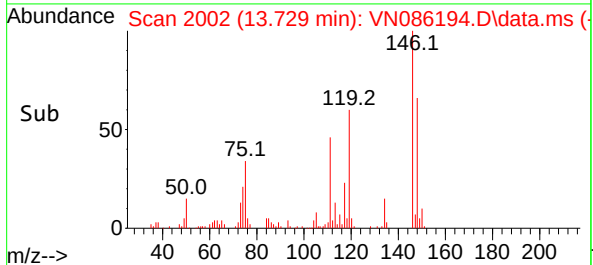
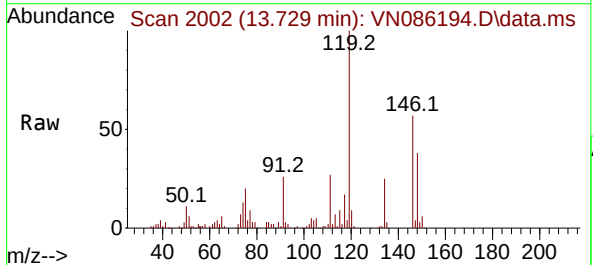
Manual Integrations
APPROVED

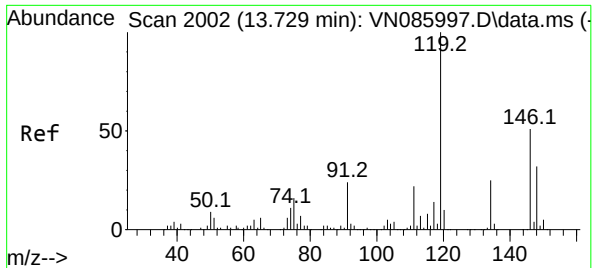
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#86
p-Isopropyltoluene
Concen: 18.327 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

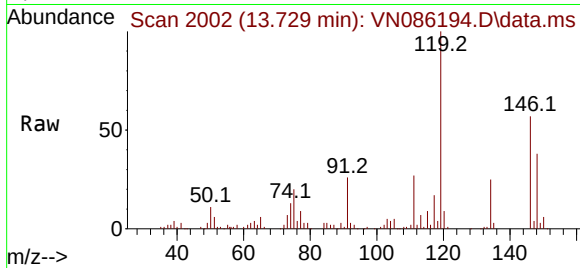
Tgt Ion:119 Resp: 100839
Ion Ratio Lower Upper
119 100
134 25.5 12.6 37.8
91 26.0 12.3 36.8





#87
1,3-Dichlorobenzene
Concen: 18.012 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

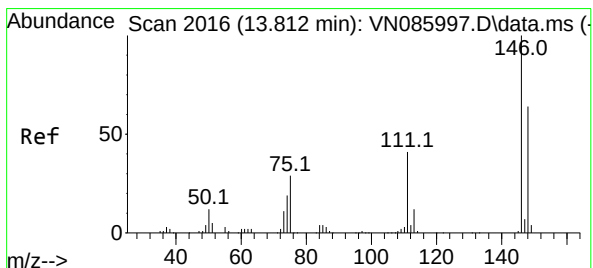
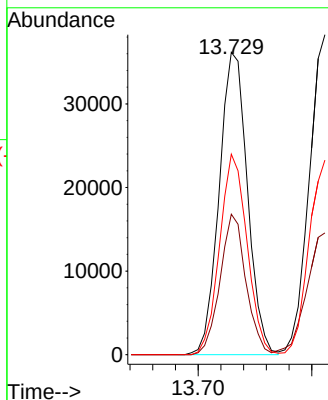
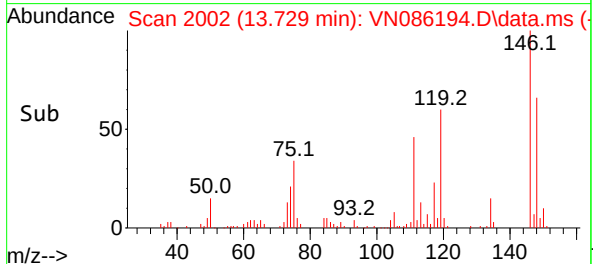
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



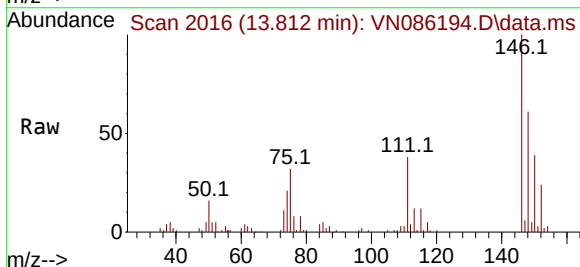
Tgt Ion:146 Resp: 62468
Ion Ratio Lower Upper
146 100
111 42.5 21.2 63.6
148 64.4 31.8 95.4

Manual Integrations
APPROVED

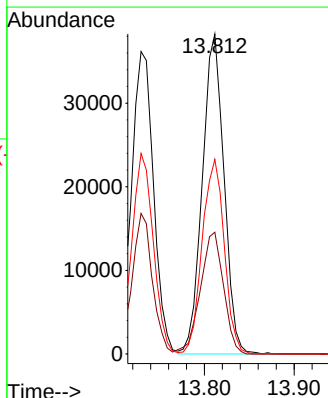
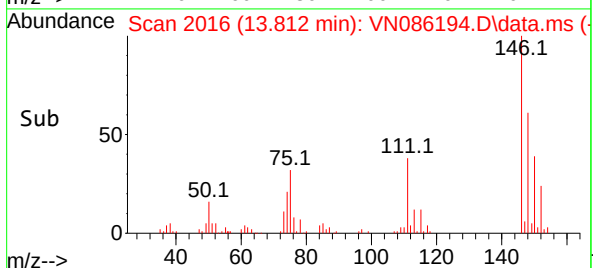
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

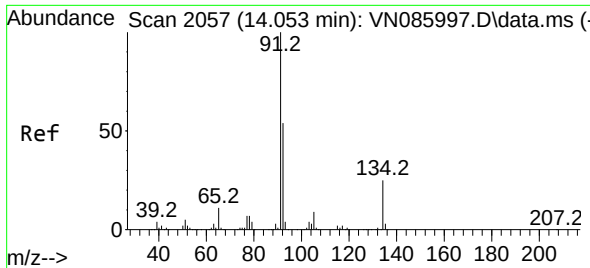


#88
1,4-Dichlorobenzene
Concen: 17.620 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54



Tgt Ion:146 Resp: 64204
Ion Ratio Lower Upper
146 100
111 40.6 20.4 61.3
148 62.0 32.1 96.5





#89

n-Butylbenzene

Concen: 17.010 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

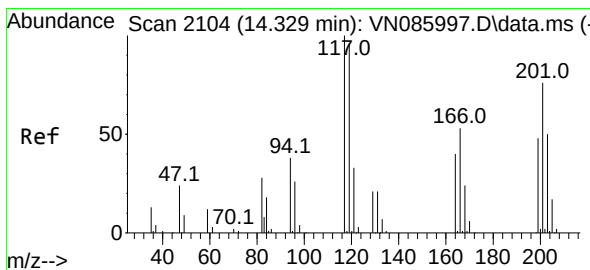
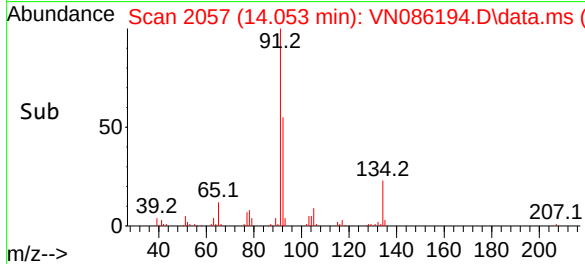
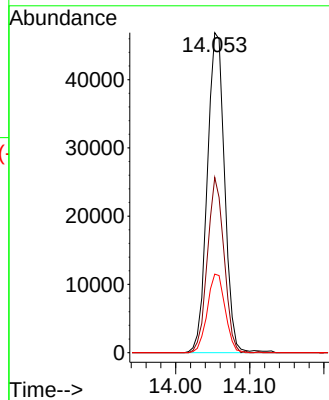
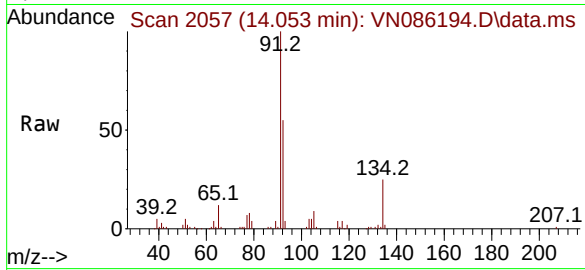
Tgt Ion:	91	Resp:	7621
Ion Ratio	Lower	Upper	
91	100		
92	52.4	26.9	80.6
134	25.3	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#90

Hexachloroethane

Concen: 17.783 ug/l

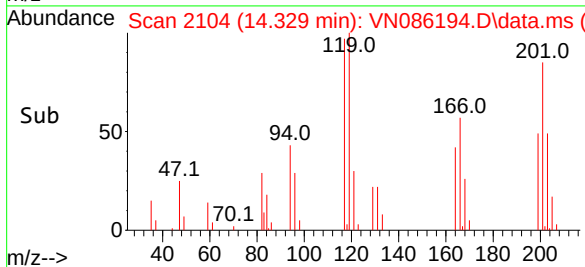
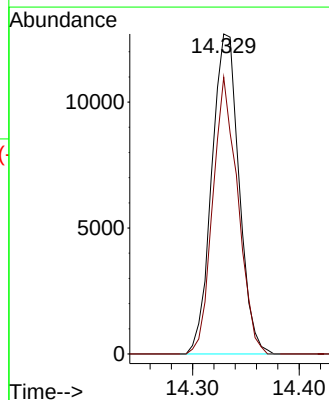
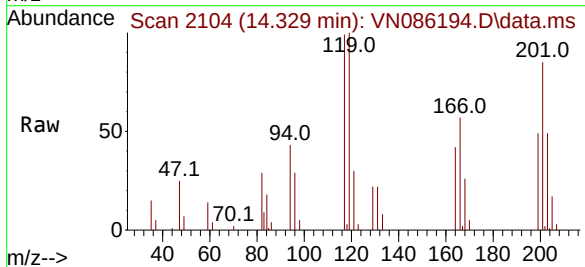
RT: 14.329 min Scan# 2104

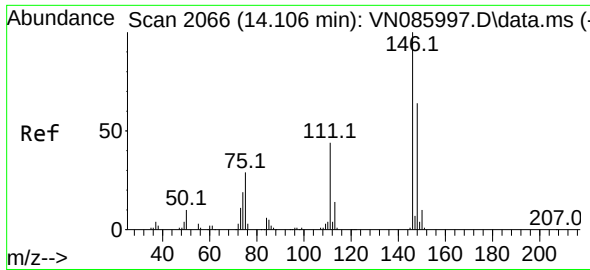
Delta R.T. -0.000 min

Lab File: VN086194.D

Acq: 01 Apr 2025 13:54

Tgt Ion:	117	Resp:	22577
Ion Ratio	Lower	Upper	
117	100		
201	79.5	39.1	117.3





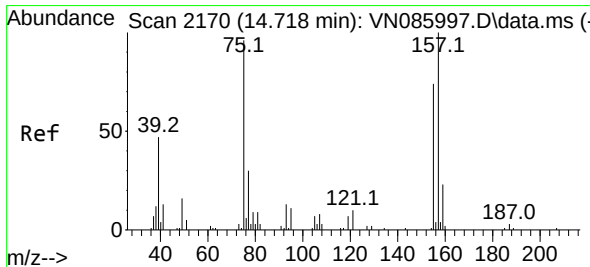
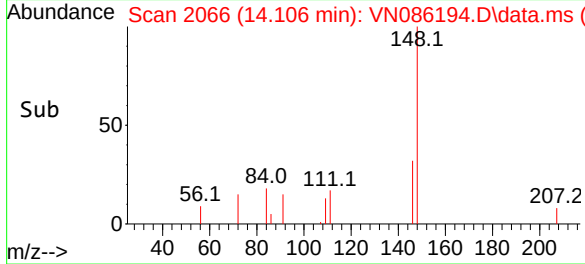
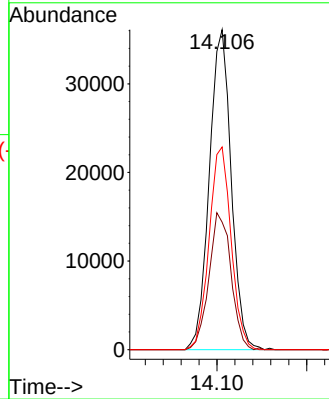
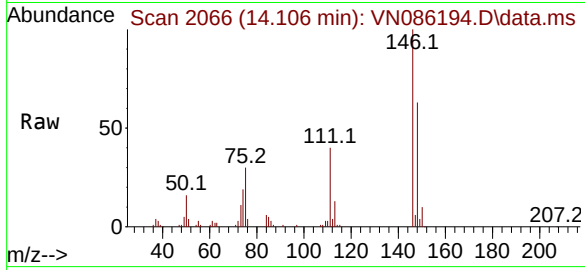
#91
1,2-Dichlorobenzene
Concen: 17.714 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tgt Ion:146 Resp: 6107
Ion Ratio Lower Upper
146 100
111 43.3 22.3 66.8
148 63.8 32.1 96.5

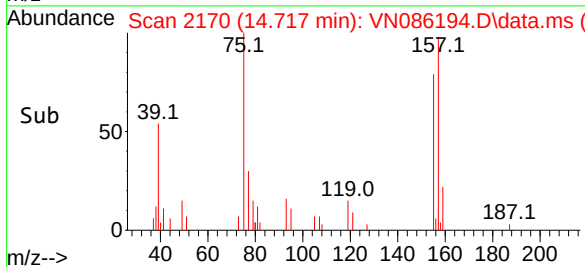
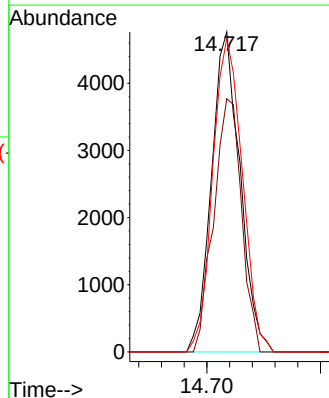
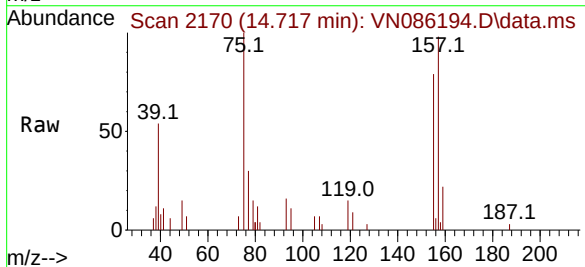
Manual Integrations
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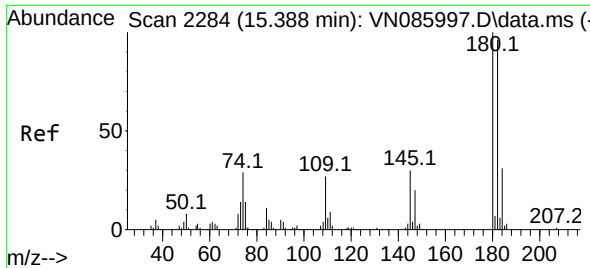
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.782 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Tgt Ion: 75 Resp: 8286
Ion Ratio Lower Upper
75 100
155 77.5 41.0 123.0
157 101.7 53.7 161.1





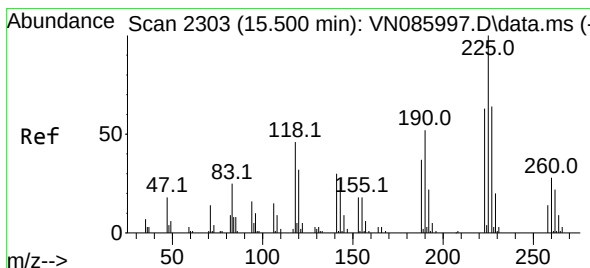
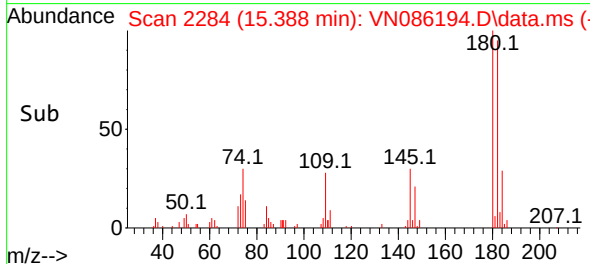
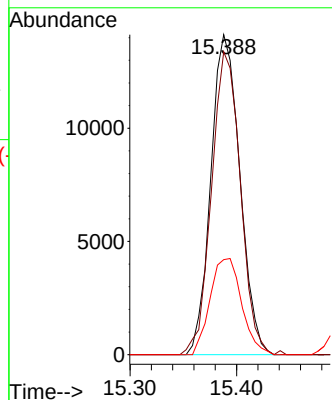
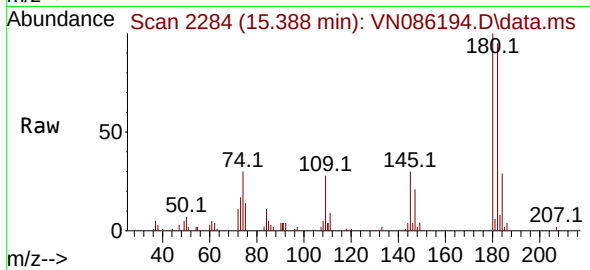
#93
1,2,4-Trichlorobenzene
Concen: 15.422 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tgt Ion:180 Resp: 26735
Ion Ratio Lower Upper
180 100
182 94.2 47.0 141.0
145 32.7 15.5 46.5

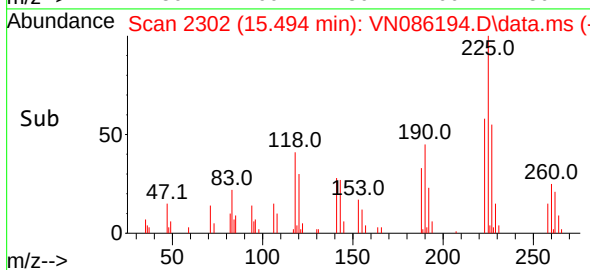
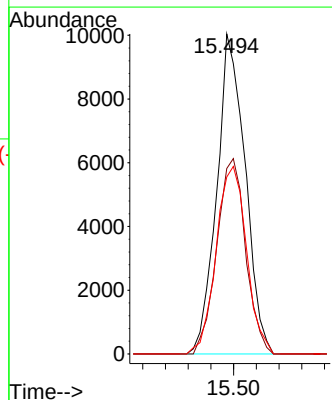
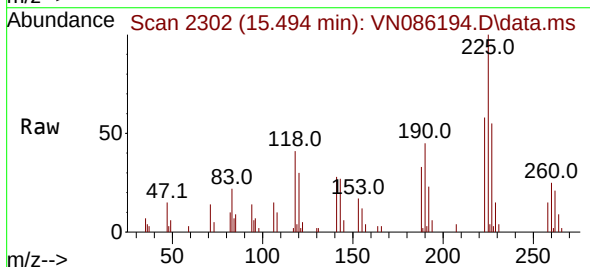
Manual Integrations
APPROVED

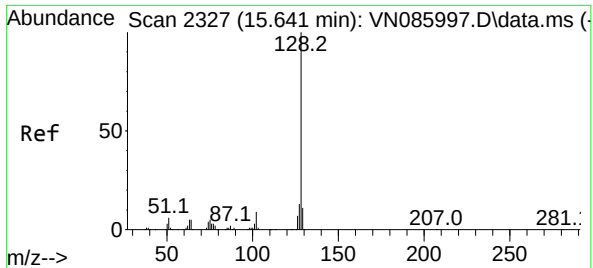
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#94
Hexachlorobutadiene
Concen: 17.316 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

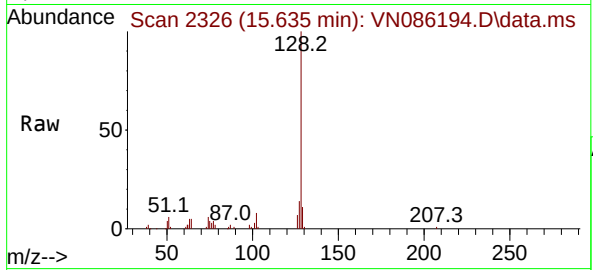
Tgt Ion:225 Resp: 17415
Ion Ratio Lower Upper
225 100
223 62.1 31.3 93.9
227 62.7 32.1 96.3





#95
Naphthalene
Concen: 14.217 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54

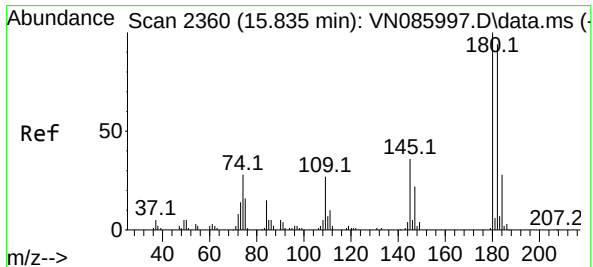
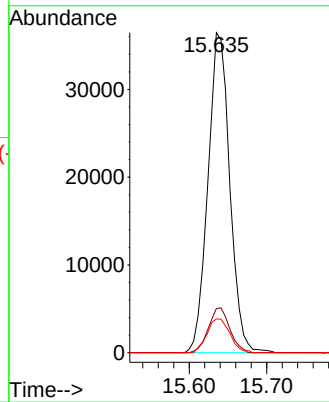
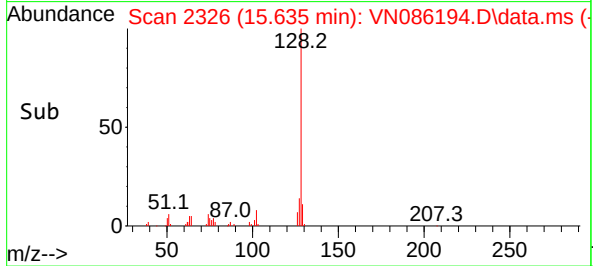
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01



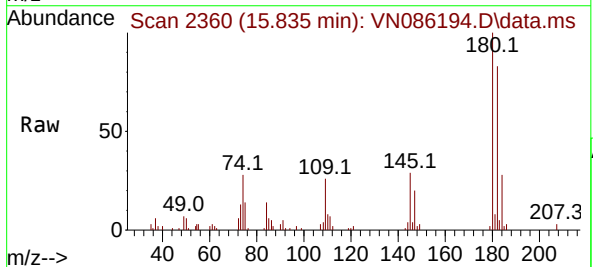
Tgt Ion:128 Resp: 71360
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.4
129 11.1 9.0 13.6

Manual Integrations
APPROVED

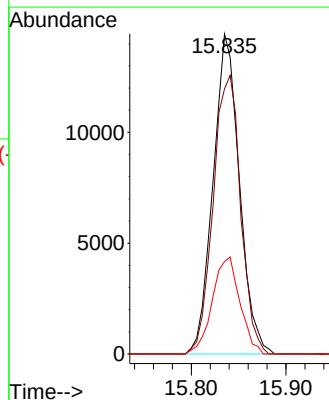
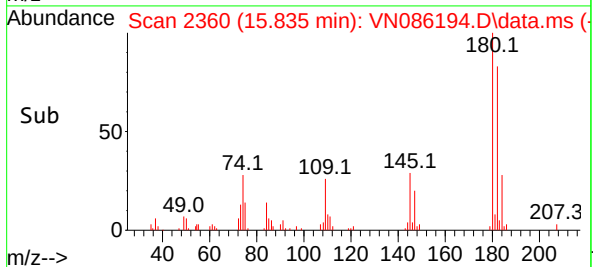
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 16.977 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086194.D
Acq: 01 Apr 2025 13:54



Tgt Ion:180 Resp: 27926
Ion Ratio Lower Upper
180 100
182 90.5 47.5 142.5
145 31.6 17.7 53.1



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBSD01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086195.D	1		04/01/25 14:48	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.5		0.22	5.00	ug/L
74-87-3	Chloromethane	21.5		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	20.7		0.26	5.00	ug/L
74-83-9	Bromomethane	20.6		1.40	5.00	ug/L
75-00-3	Chloroethane	18.4		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.0		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	15.2		0.23	5.00	ug/L
67-64-1	Acetone	75.7		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	14.6		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.6		0.16	5.00	ug/L
79-20-9	Methyl Acetate	16.3		0.27	5.00	ug/L
75-09-2	Methylene Chloride	17.0		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.2		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	17.0		0.23	5.00	ug/L
110-82-7	Cyclohexane	15.8		1.50	5.00	ug/L
78-93-3	2-Butanone	81.3		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.4		0.19	5.00	ug/L
74-97-5	Bromochloromethane	21.0		0.22	5.00	ug/L
67-66-3	Chloroform	19.1		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	17.0		0.16	5.00	ug/L
71-43-2	Benzene	18.5		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	5.00	ug/L
79-01-6	Trichloroethene	17.6		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.0		0.68	25.0	ug/L
108-88-3	Toluene	19.7		0.14	5.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBSD01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086195.D	1		04/01/25 14:48	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.4		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.7		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.8		0.21	5.00	ug/L
591-78-6	2-Hexanone	93.5		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.23	5.00	ug/L
108-90-7	Chlorobenzene	17.7		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	17.0		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	35.1		0.24	10.0	ug/L
95-47-6	o-Xylene	17.8		0.12	5.00	ug/L
100-42-5	Styrene	18.0		0.15	5.00	ug/L
75-25-2	Bromoform	19.2		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	16.5		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.1		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.3		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.4		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.8		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.4		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.0		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.6		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.0		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	113000	8.224			
540-36-3	1,4-Difluorobenzene	183000	9.1			
3114-55-4	Chlorobenzene-d5	167000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	87100	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	TGP		Date Received:	
Client Sample ID:	VN0401WBSD01		SDG No.:	Q1690
Lab Sample ID:	VN0401WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086195.D	1		04/01/25 14:48	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086195.D
 Acq On : 01 Apr 2025 14:48
 Operator : JC\MD
 Sample : VN0401WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 01:53:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	113137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	183169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	166660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	87066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	83687	54.018	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.040%			
35) Dibromofluoromethane	8.165	113	60556	47.365	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.740%			
50) Toluene-d8	10.565	98	223904	48.255	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.500%			
62) 4-Bromofluorobenzene	12.847	95	79895	48.281	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33760	22.523	ug/l	100
3) Chloromethane	2.359	50	28209	21.468	ug/l	93
4) Vinyl Chloride	2.512	62	27841	20.722	ug/l	97
5) Bromomethane	2.953	94	18876	20.625	ug/l	96
6) Chloroethane	3.118	64	15574	18.375	ug/l	96
7) Trichlorofluoromethane	3.500	101	42592	17.635	ug/l	96
8) Diethyl Ether	3.953	74	11148	15.078	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	21799	16.982	ug/l	98
10) Methyl Iodide	4.589	142	27896	16.678	ug/l	93
11) Tert butyl alcohol	5.524	59	16691	76.095	ug/l #	90
12) 1,1-Dichloroethene	4.347	96	17584	15.171	ug/l	96
13) Acrolein	4.183	56	10756	45.976	ug/l	95
14) Allyl chloride	5.018	41	20007	13.836	ug/l	93
15) Acrylonitrile	5.718	53	46094	79.571	ug/l	98
16) Acetone	4.424	43	35852	75.748	ug/l	95
17) Carbon Disulfide	4.712	76	55700	14.612	ug/l #	94
18) Methyl Acetate	5.018	43	19035	16.255	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	66821	17.593	ug/l	96
20) Methylene Chloride	5.277	84	23590	17.037	ug/l #	90
21) trans-1,2-Dichloroethene	5.794	96	20485	16.172	ug/l	89
22) Diisopropyl ether	6.671	45	49664	16.117	ug/l	97
23) Vinyl Acetate	6.600	43	185098	79.239	ug/l	94
24) 1,1-Dichloroethane	6.571	63	38444	16.966	ug/l	95
25) 2-Butanone	7.483	43	55521	81.296	ug/l	97
26) 2,2-Dichloropropane	7.488	77	38865	17.815	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	25048	17.401	ug/l	98
28) Bromochloromethane	7.812	49	20134	20.972	ug/l	99
29) Tetrahydrofuran	7.835	42	37016	87.793	ug/l	96
30) Chloroform	7.965	83	47939	19.140	ug/l	97
31) Cyclohexane	8.253	56	30558	15.830	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	46301	19.529	ug/l	96
36) 1,1-Dichloropropene	8.371	75	28262	16.788	ug/l	97
37) Ethyl Acetate	7.559	43	24418	17.193	ug/l	96
38) Carbon Tetrachloride	8.359	117	44022	19.888	ug/l	98
39) Methylcyclohexane	9.600	83	28388	16.997	ug/l	97
40) Benzene	8.600	78	97718	18.490	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086195.D
 Acq On : 01 Apr 2025 14:48
 Operator : JC\MD
 Sample : VN0401WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 01:53:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	11516	16.981	ug/l	98
42) 1,2-Dichloroethane	8.671	62	37024	20.106	ug/l	100
43) Isopropyl Acetate	8.682	43	46177	15.004	ug/l	95
44) Trichloroethene	9.353	130	24073	17.575	ug/l	91
45) 1,2-Dichloropropane	9.618	63	22945	19.089	ug/l	97
46) Dibromomethane	9.706	93	18995	20.094	ug/l	98
47) Bromodichloromethane	9.882	83	40332	20.415	ug/l	98
48) Methyl methacrylate	9.677	41	17335	17.069	ug/l	91
49) 1,4-Dioxane	9.694	88	9146	380.962	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	130353	96.040	ug/l	97
52) Toluene	10.624	92	63760	19.658	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	37143	19.359	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	37925	18.735	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	24452	19.752	ug/l	98
56) Ethyl methacrylate	10.871	69	30960	18.441	ug/l #	95
57) 1,3-Dichloropropane	11.159	76	40240	19.137	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	60080	94.789	ug/l	99
59) 2-Hexanone	11.194	43	92497	93.547	ug/l	96
60) Dibromochloromethane	11.353	129	32757	20.505	ug/l	97
61) 1,2-Dibromoethane	11.465	107	24999	19.670	ug/l	99
64) Tetrachloroethene	11.100	164	25293	19.025	ug/l	92
65) Chlorobenzene	11.888	112	67422	17.679	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	27197	19.184	ug/l	98
67) Ethyl Benzene	11.959	91	103947	17.039	ug/l	99
68) m/p-Xylenes	12.070	106	84055	35.056	ug/l	96
69) o-Xylene	12.394	106	39205	17.815	ug/l	97
70) Styrene	12.412	104	67805	18.039	ug/l	99
71) Bromoform	12.576	173	22734	19.183	ug/l #	99
73) Isopropylbenzene	12.694	105	98386	16.548	ug/l	99
74) N-amyl acetate	12.494	43	33437	16.809	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	34314	17.059	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	33882m	17.382	ug/l	
77) Bromobenzene	12.976	156	29628	17.871	ug/l	93
78) n-propylbenzene	13.029	91	116395	17.288	ug/l	99
79) 2-Chlorotoluene	13.123	91	76707	17.153	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	87826	17.496	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	10739	14.566	ug/l #	79
82) 4-Chlorotoluene	13.217	91	79137	17.209	ug/l	99
83) tert-Butylbenzene	13.435	119	69288	16.139	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	88991	17.577	ug/l	100
85) sec-Butylbenzene	13.612	105	95320	17.019	ug/l	97
86) p-Isopropyltoluene	13.723	119	79828	16.838	ug/l	96
87) 1,3-Dichlorobenzene	13.729	146	51831	17.345	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	51399	16.371	ug/l	97
89) n-Butylbenzene	14.053	91	59567	15.429	ug/l	99
90) Hexachloroethane	14.329	117	17296	15.810	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	49784	16.758	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	6991	17.411	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	22364	14.972	ug/l	98
94) Hexachlorobutadiene	15.494	225	14546	16.785	ug/l	99
95) Naphthalene	15.635	128	63201	14.612	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	22147	15.626	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086195.D
Acq On : 01 Apr 2025 14:48
Operator : JC\MD
Sample : VN0401WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 01:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086195.D
 Acq On : 01 Apr 2025 14:48
 Operator : JC\MD
 Sample : VN0401WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_N

Client Sample Id :

VN0401WBSD01

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025

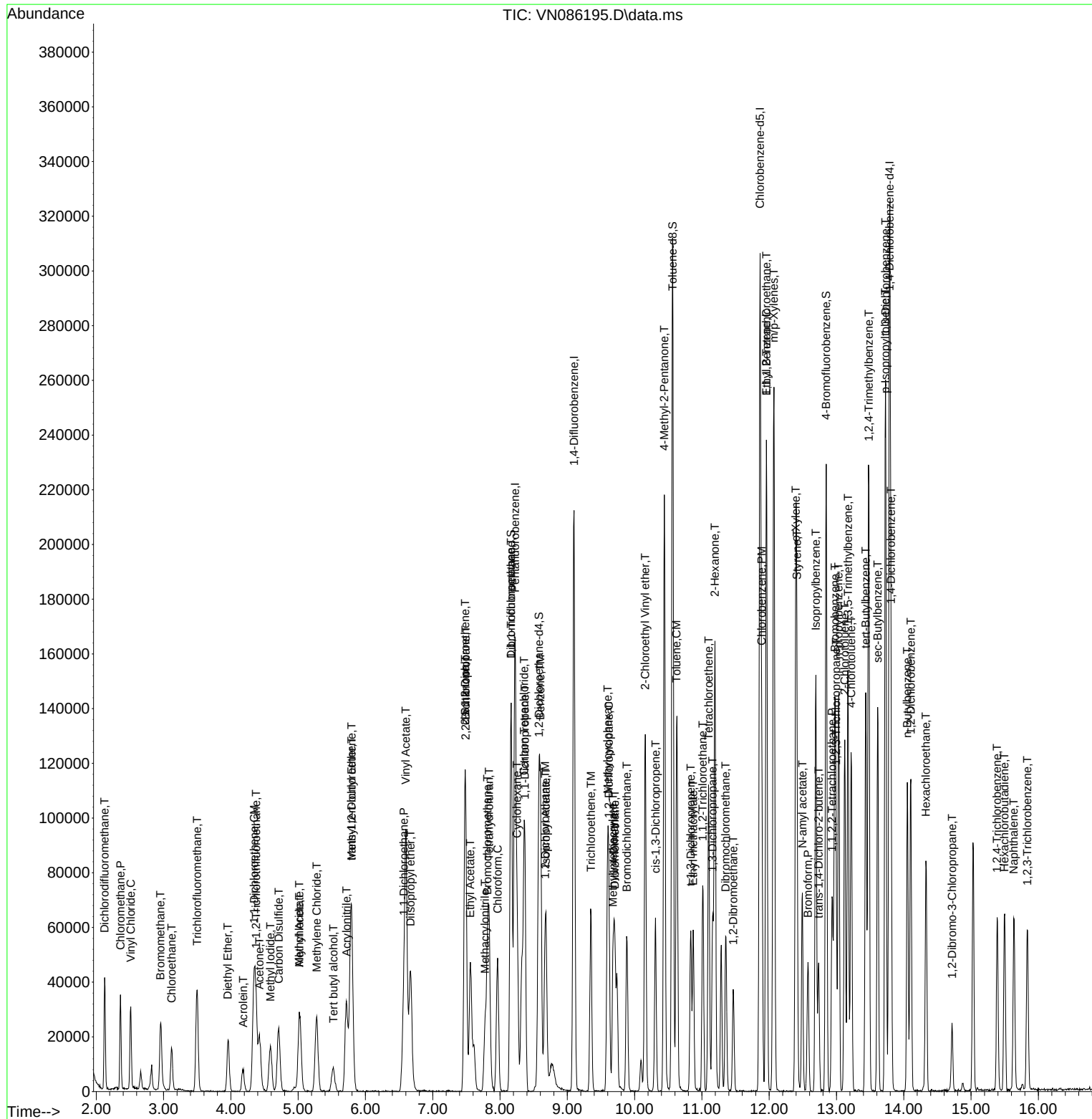
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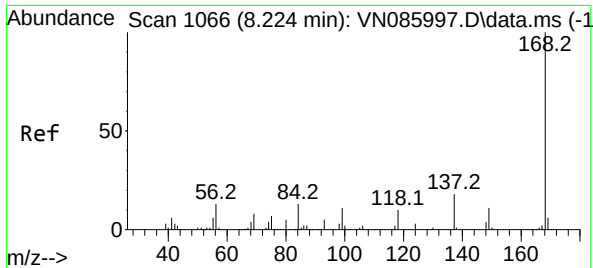
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Quant Title : SW846 8260

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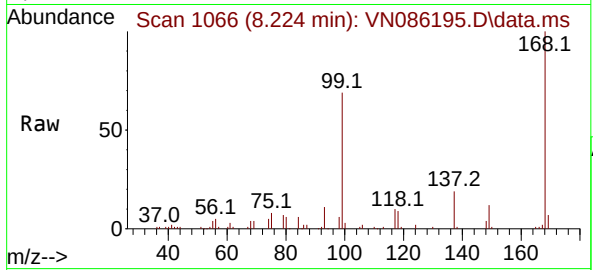
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

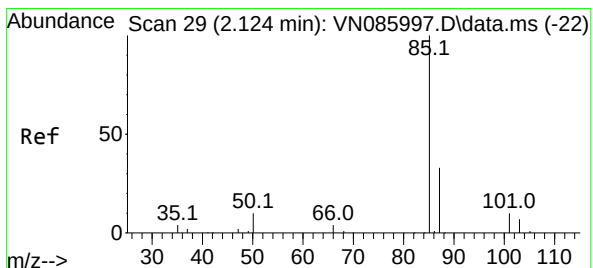
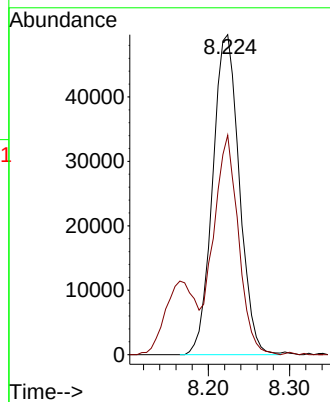
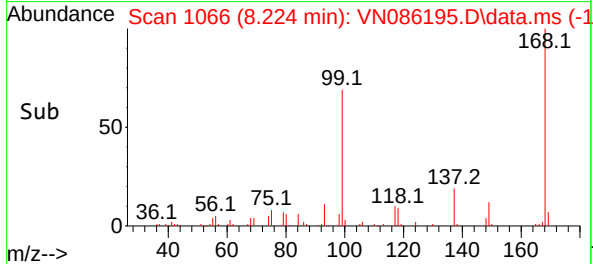
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion:168 Resp: 11313
Ion Ratio Lower Upper
168 100
99 68.6 49.4 74.2

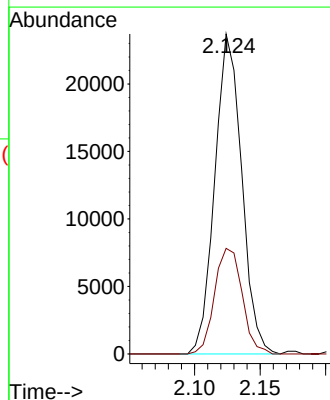
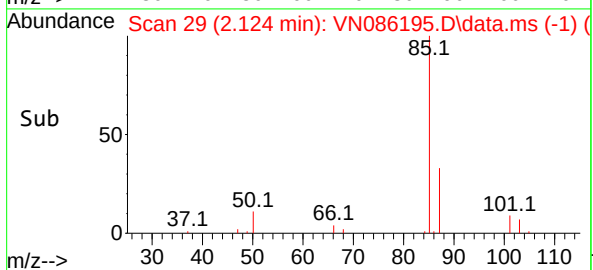
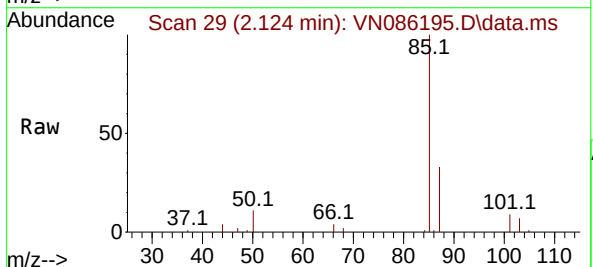
Manual Integrations
APPROVED

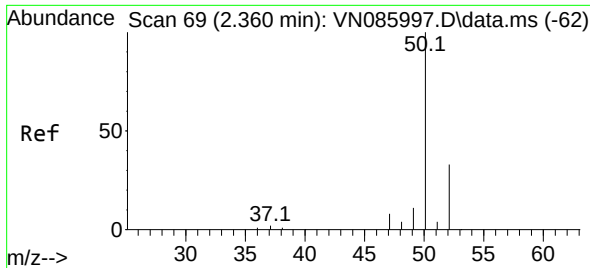
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#2
Dichlorodifluoromethane
Concen: 22.523 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion: 85 Resp: 33760
Ion Ratio Lower Upper
85 100
87 33.0 16.5 49.5





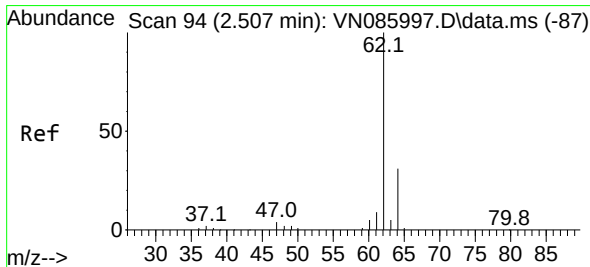
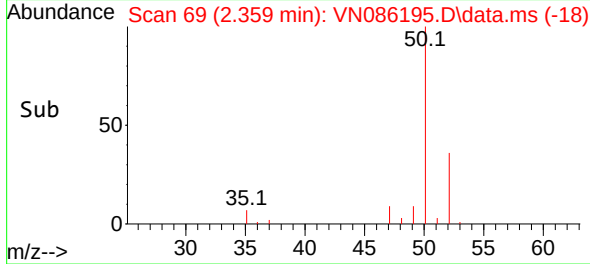
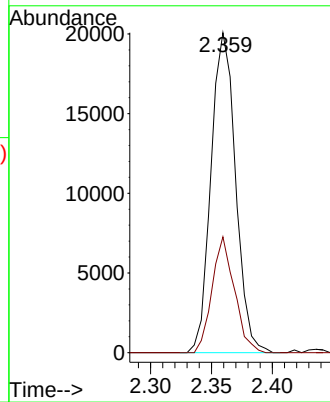
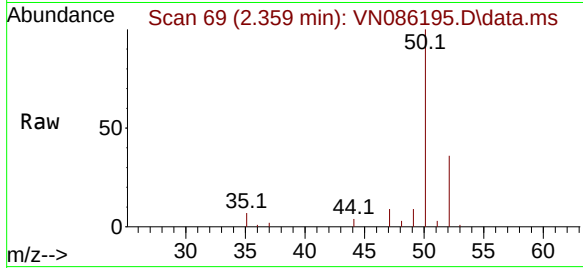
#3
Chloromethane
Concen: 21.468 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tgt Ion: 50 Resp: 28209
Ion Ratio Lower Upper
50 100
52 36.2 26.0 39.0

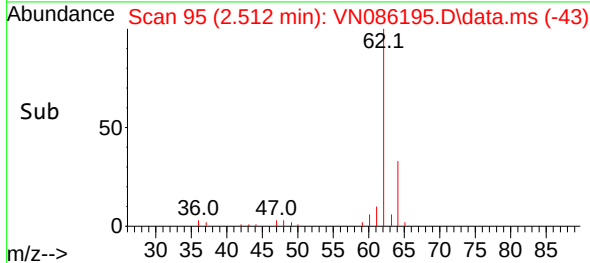
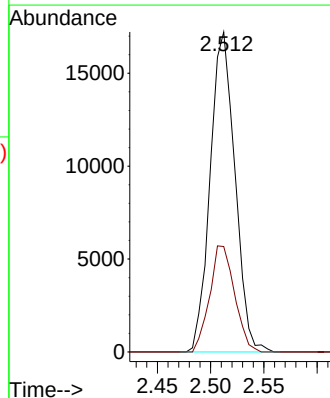
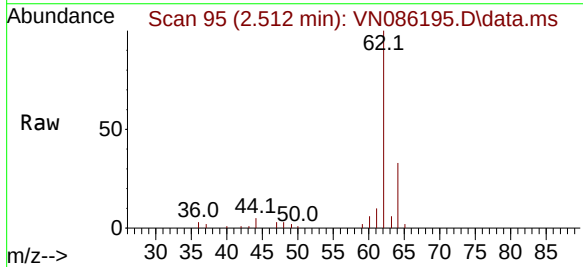
Manual Integrations
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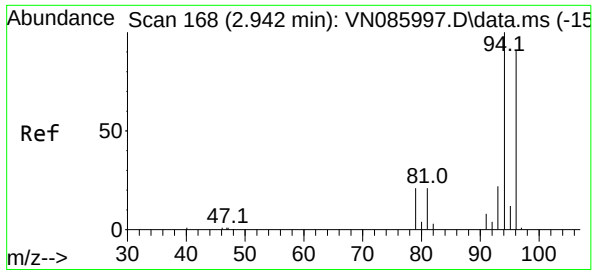
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#4
Vinyl Chloride
Concen: 20.722 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion: 62 Resp: 27841
Ion Ratio Lower Upper
62 100
64 33.0 25.2 37.8





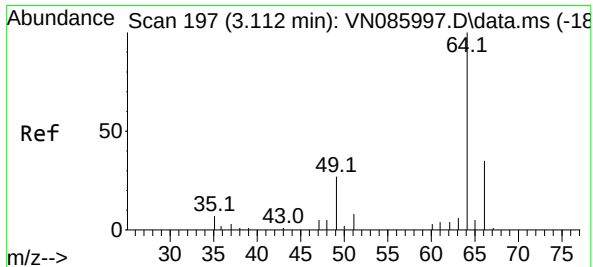
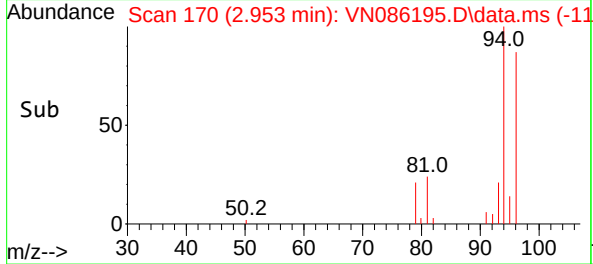
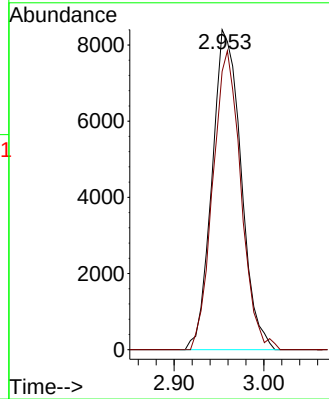
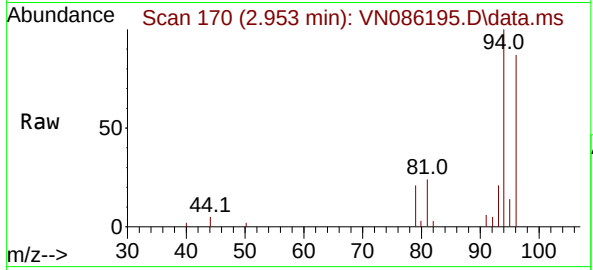
#5
Bromomethane
Concen: 20.625 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tgt Ion: 94 Resp: 18870
Ion Ratio Lower Upper
94 100
96 87.0 72.8 109.2

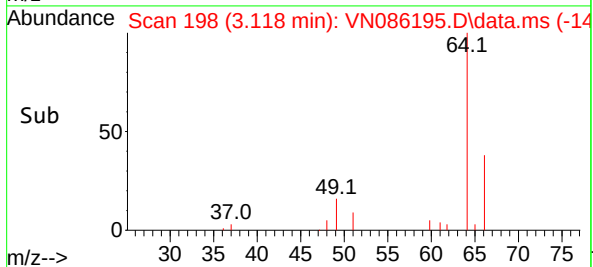
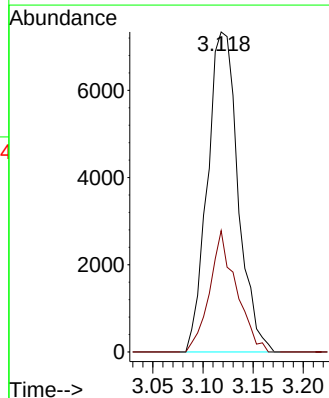
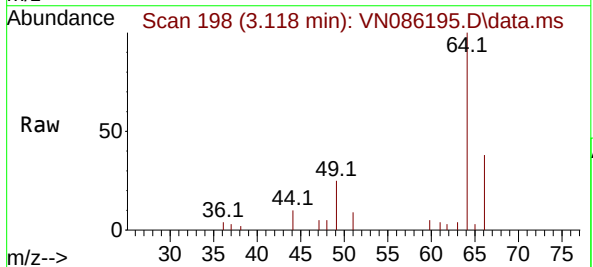
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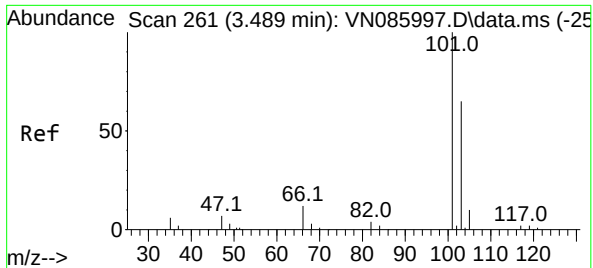
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#6
Chloroethane
Concen: 18.375 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion: 64 Resp: 15574
Ion Ratio Lower Upper
64 100
66 37.9 28.3 42.5





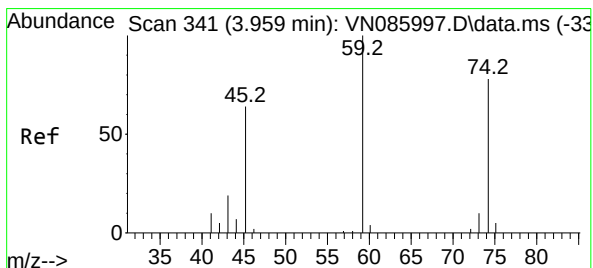
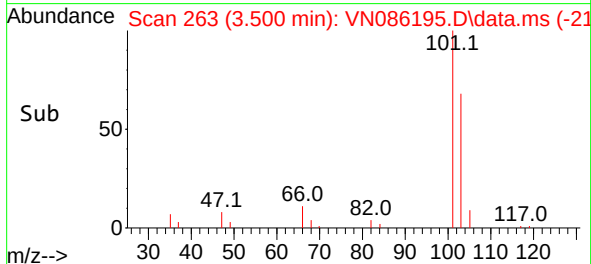
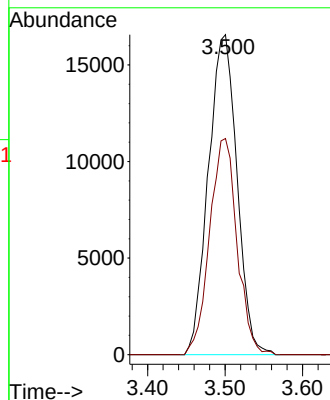
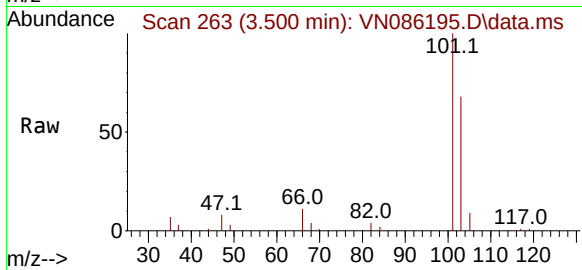
#7
Trichlorofluoromethane
Concen: 17.635 ug/l
RT: 3.500 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tgt Ion:101 Resp: 42592
Ion Ratio Lower Upper
101 100
103 67.5 51.7 77.5

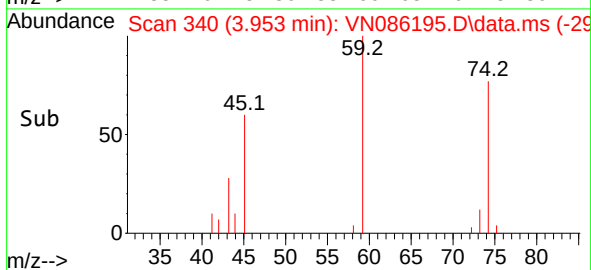
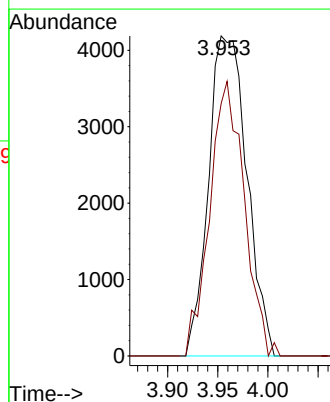
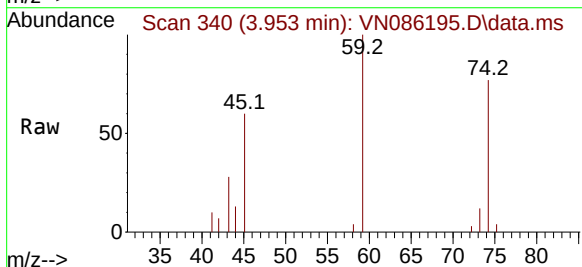
Manual Integrations
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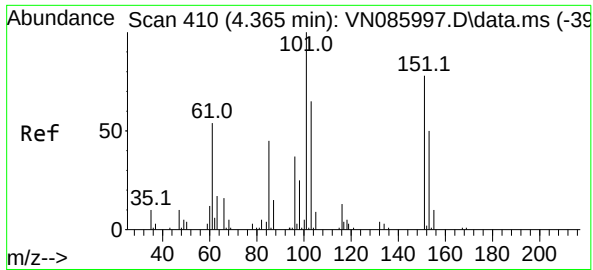
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#8
Diethyl Ether
Concen: 15.078 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion: 74 Resp: 11148
Ion Ratio Lower Upper
74 100
45 77.1 38.0 113.9





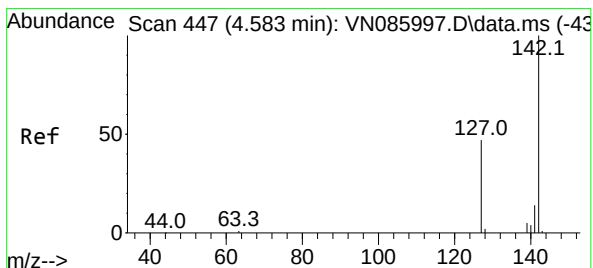
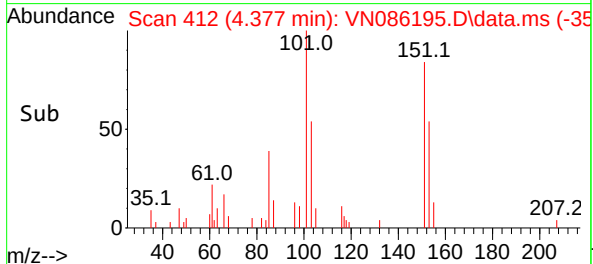
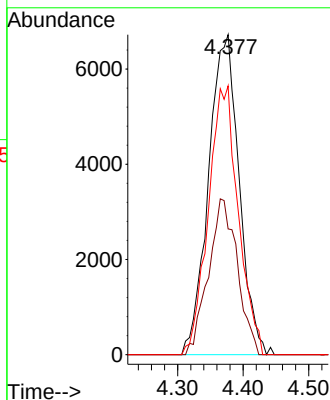
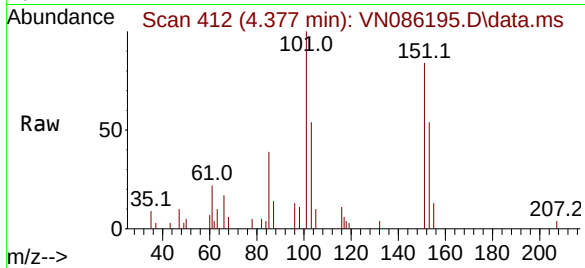
#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.982 ug/l
RT: 4.377 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tgt Ion:101 Resp: 21799
Ion Ratio Lower Upper
101 100
85 46.0 36.5 54.7
151 82.1 63.4 95.0

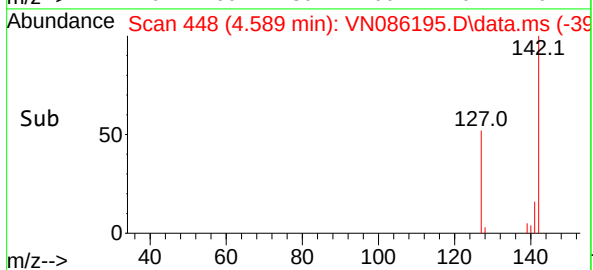
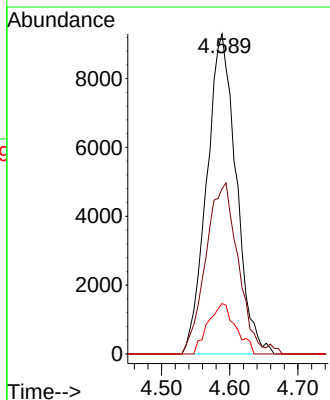
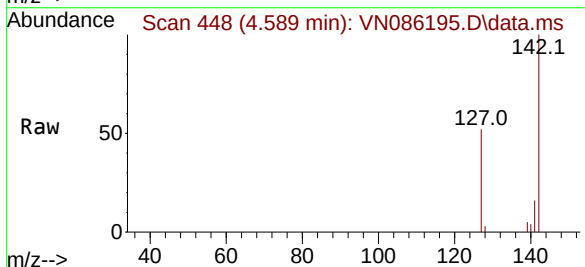
Manual Integrations
APPROVED

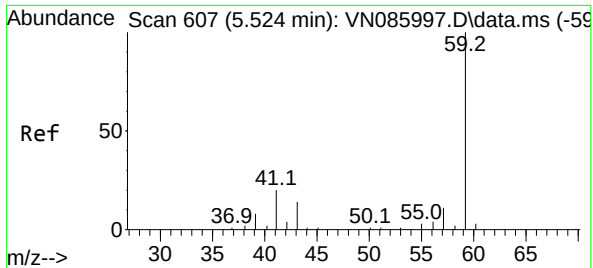
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#10
Methyl Iodide
Concen: 16.678 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion:142 Resp: 27896
Ion Ratio Lower Upper
142 100
127 51.6 37.5 56.3
141 15.8 11.0 16.6





#11

Tert butyl alcohol

Concen: 76.095 ug/l

RT: 5.524 min Scan# 607

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion: 59 Resp: 1669

Ion Ratio Lower Upper

59 100

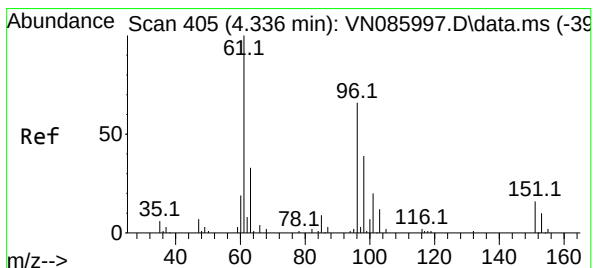
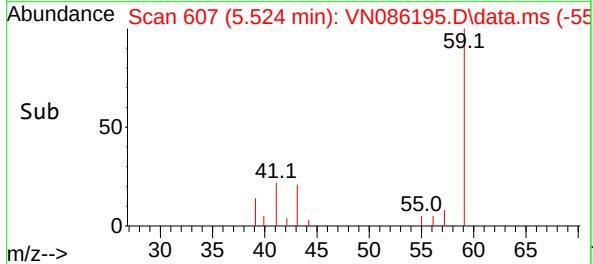
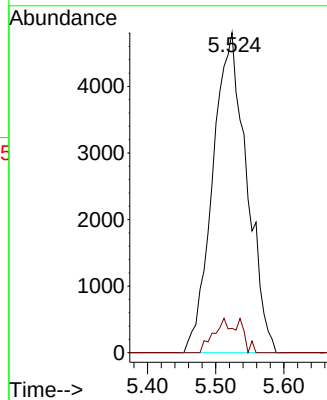
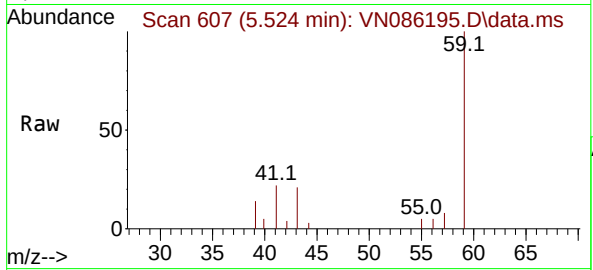
57 6.1 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#12

1,1-Dichloroethene

Concen: 15.171 ug/l

RT: 4.347 min Scan# 407

Delta R.T. 0.012 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

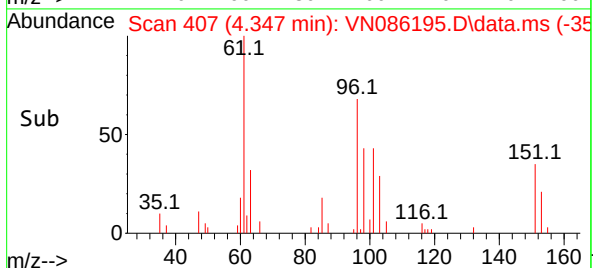
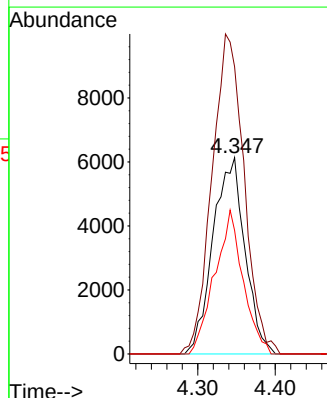
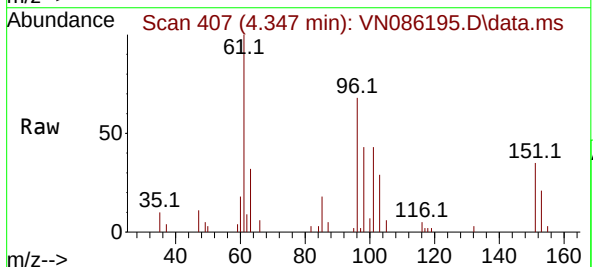
Tgt Ion: 96 Resp: 17584

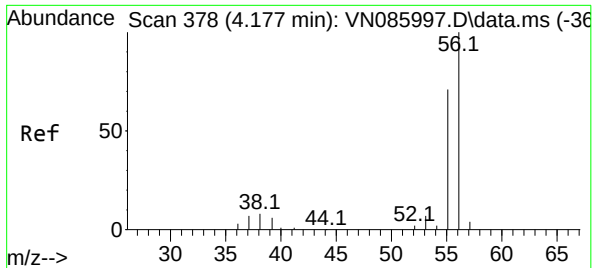
Ion Ratio Lower Upper

96 100

61 146.4 120.5 180.7

98 62.9 47.4 71.0





#13

Acrolein

Concen: 45.976 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion: 56 Resp: 10750

Ion Ratio Lower Upper

56 100

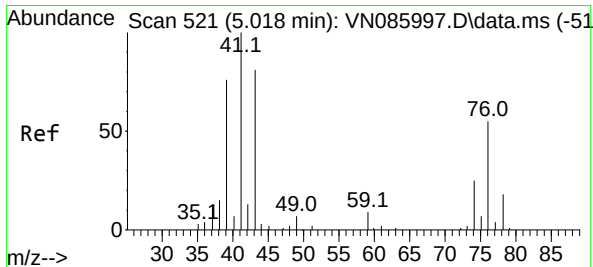
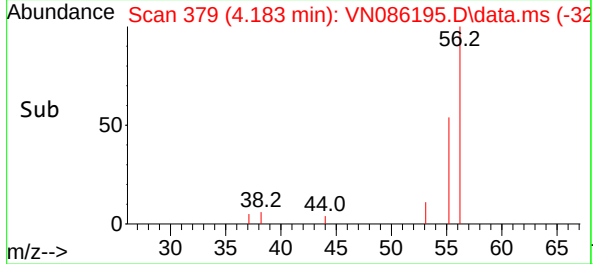
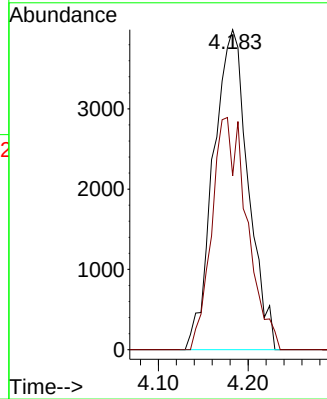
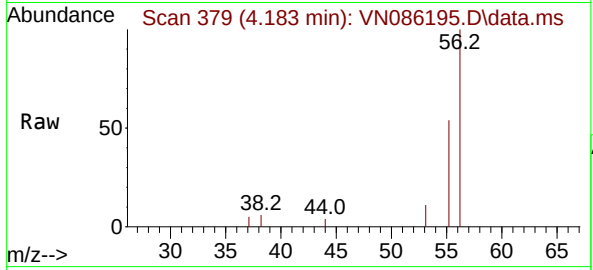
55 72.9 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#14

Allyl chloride

Concen: 13.836 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

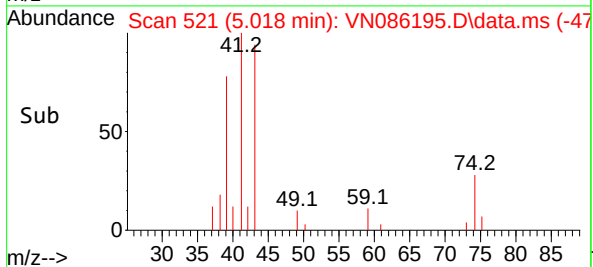
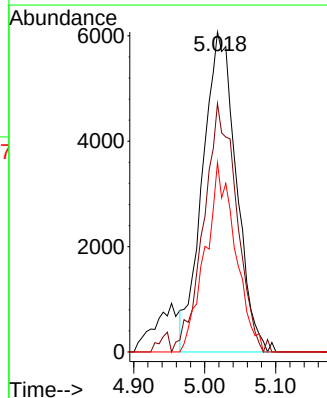
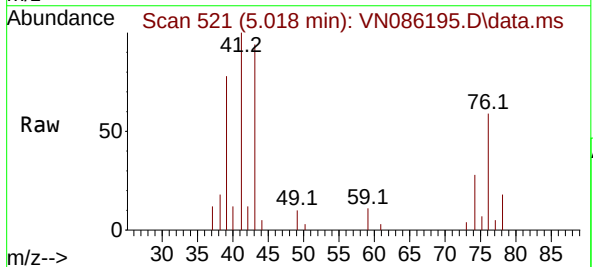
Tgt Ion: 41 Resp: 20007

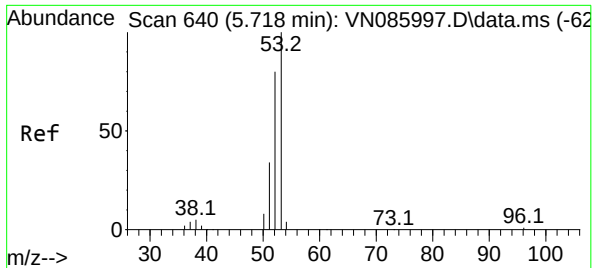
Ion Ratio Lower Upper

41 100

39 75.4 55.5 83.3

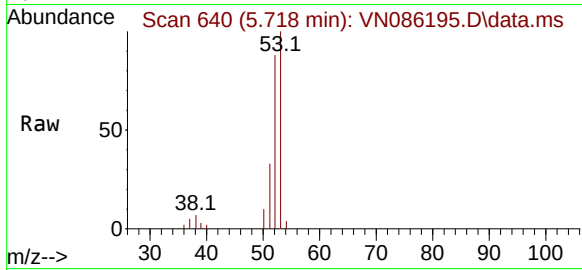
76 52.8 39.1 58.7





#15
Acrylonitrile
Concen: 79.571 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

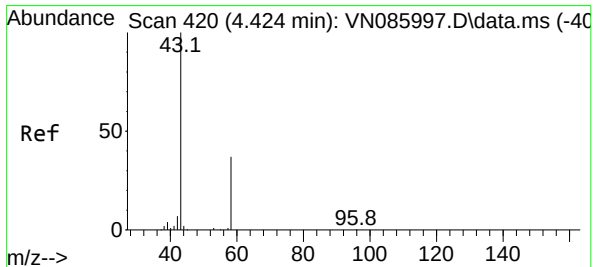
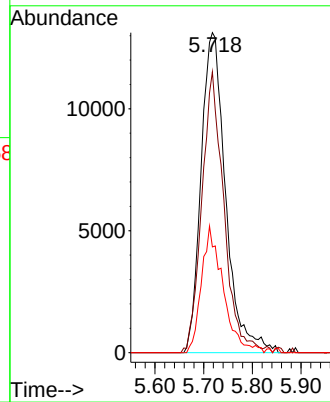
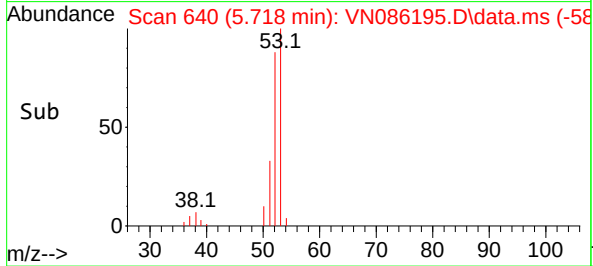
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion: 53 Resp: 46094
Ion Ratio Lower Upper
53 100
52 78.3 63.9 95.9
51 34.9 27.1 40.7

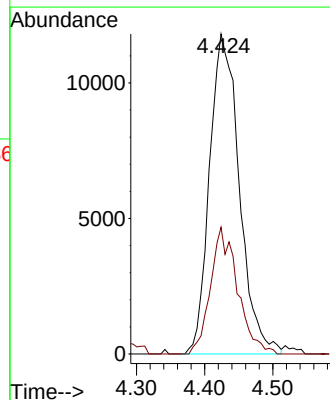
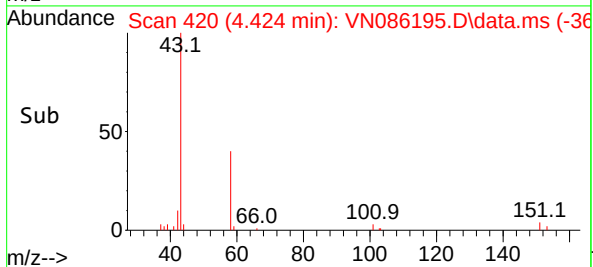
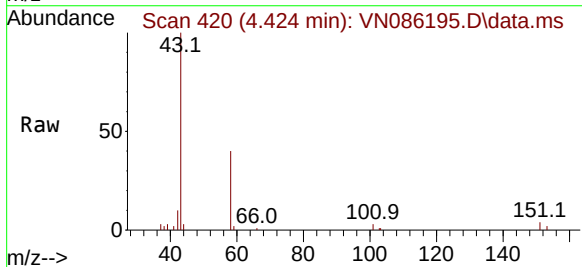
Manual Integrations
APPROVED

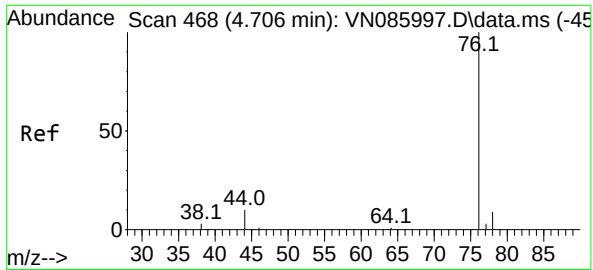
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#16
Acetone
Concen: 75.748 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion: 43 Resp: 35852
Ion Ratio Lower Upper
43 100
58 39.6 29.4 44.2





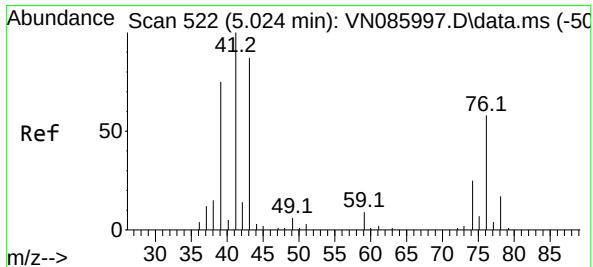
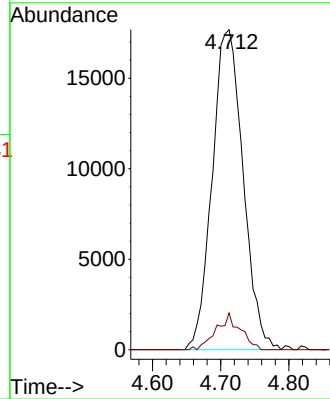
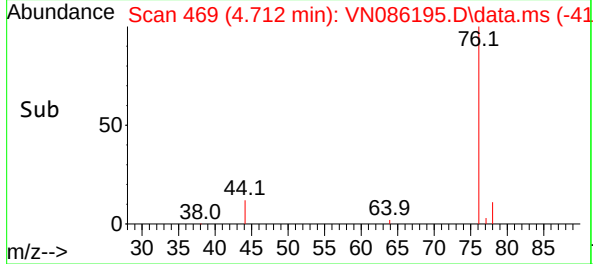
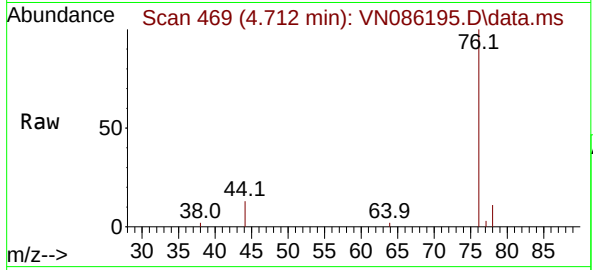
#17
Carbon Disulfide
Concen: 14.612 ug/l
RT: 4.712 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tgt Ion: 76 Resp: 55700
Ion Ratio Lower Upper
76 100
78 11.5 7.4 11.2

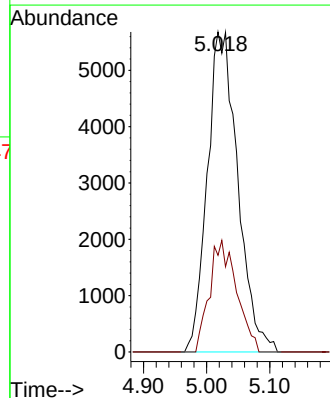
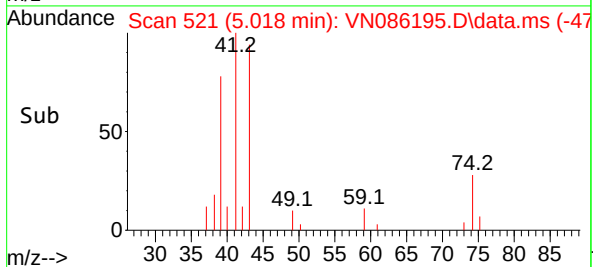
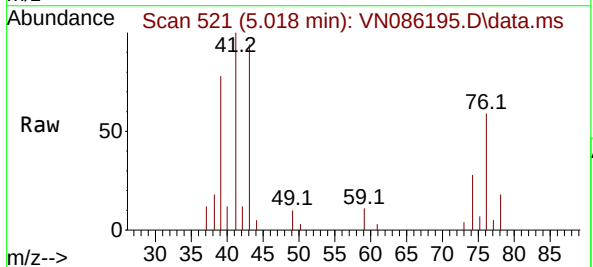
Manual Integrations
APPROVED

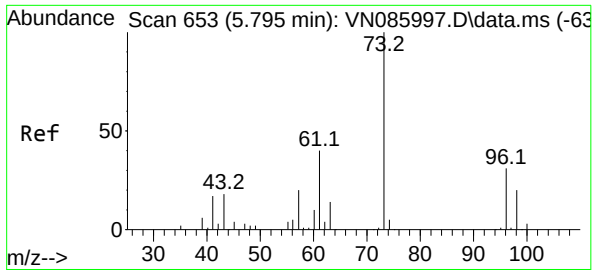
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#18
Methyl Acetate
Concen: 16.255 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion: 43 Resp: 19035
Ion Ratio Lower Upper
43 100
74 31.1 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 17.593 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion: 73 Resp: 6682

Ion Ratio Lower Upper

73 100

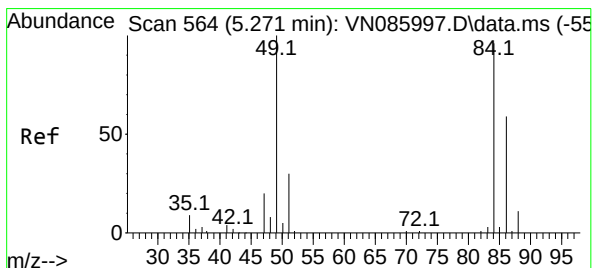
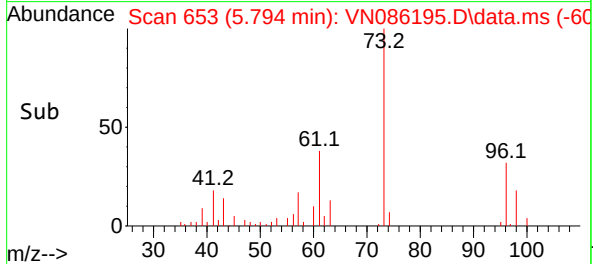
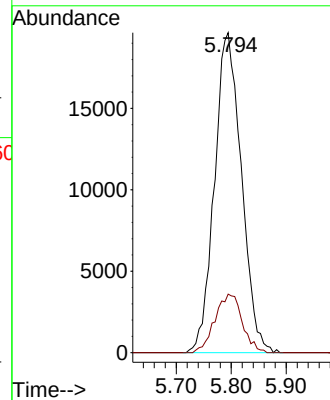
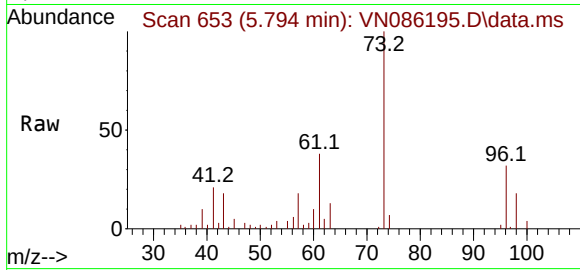
57 18.3 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#20

Methylene Chloride

Concen: 17.037 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Tgt Ion: 84 Resp: 23590

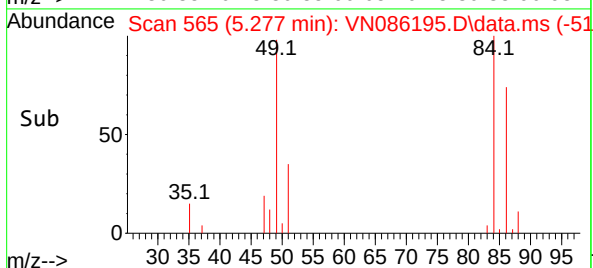
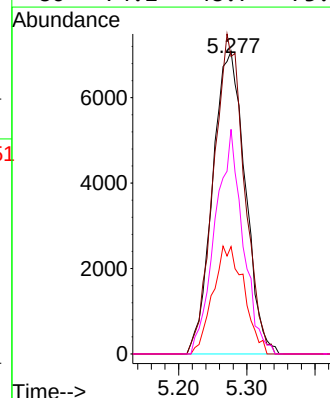
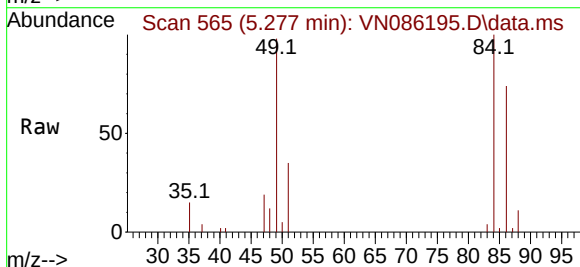
Ion Ratio Lower Upper

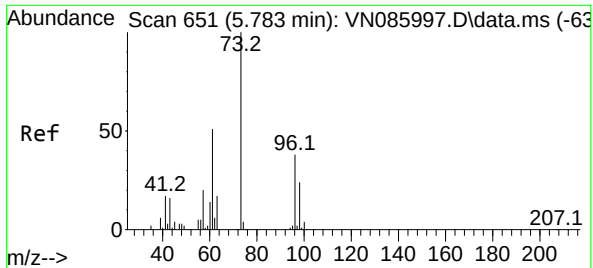
84 100

49 98.3 83.3 124.9

51 35.5 24.8 37.2

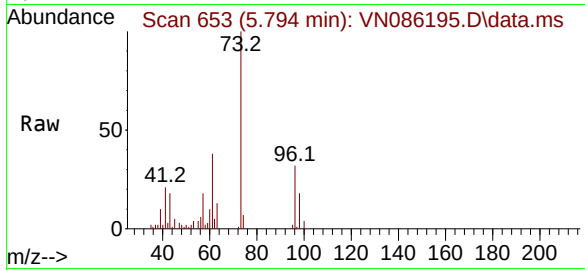
86 74.2 48.7 73.1#





#21
trans-1,2-Dichloroethene
Concen: 16.172 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

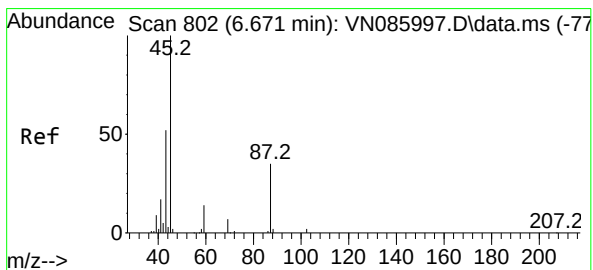
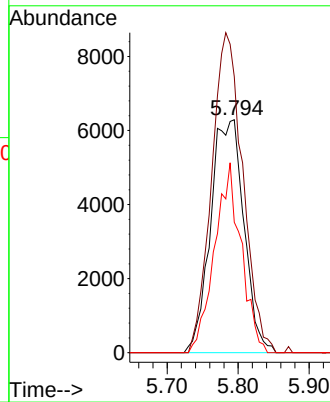
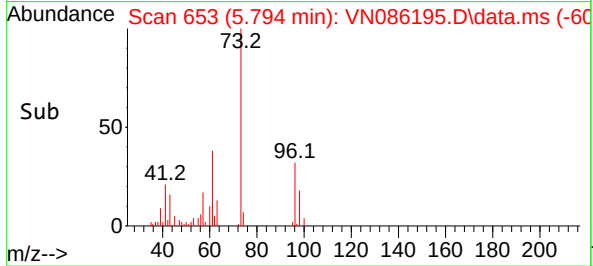
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion: 96 Resp: 2048
Ion Ratio Lower Upper
96 100
61 118.5 106.6 160.0
98 56.0 50.0 75.0

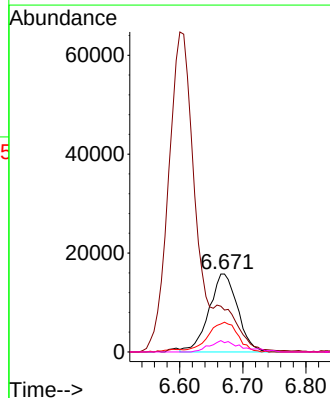
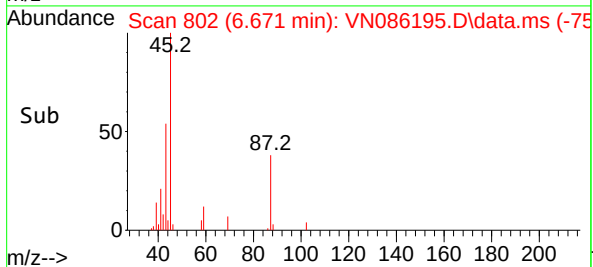
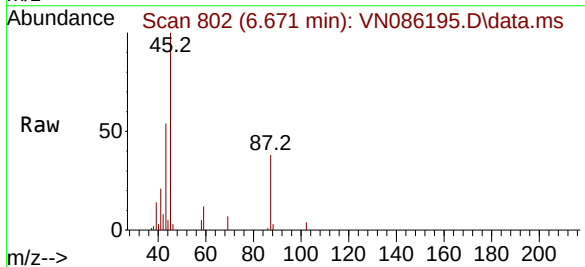
Manual Integrations
APPROVED

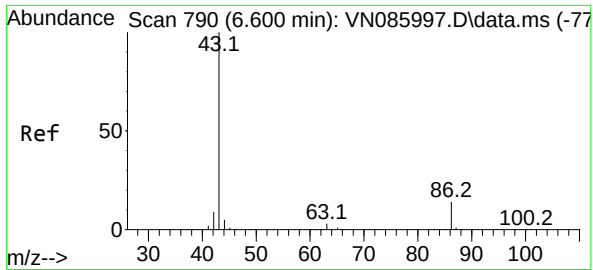
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#22
Diisopropyl ether
Concen: 16.117 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

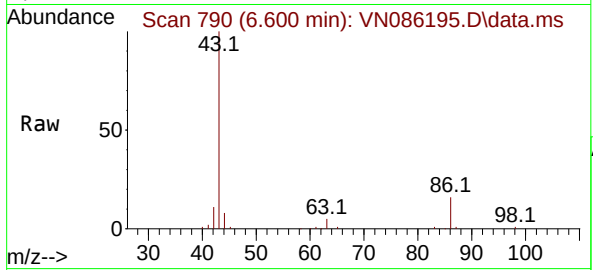
Tgt Ion: 45 Resp: 49664
Ion Ratio Lower Upper
45 100
43 52.1 41.2 61.8
87 38.3 28.5 42.7
59 11.8 11.2 16.8





#23
Vinyl Acetate
Concen: 79.239 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

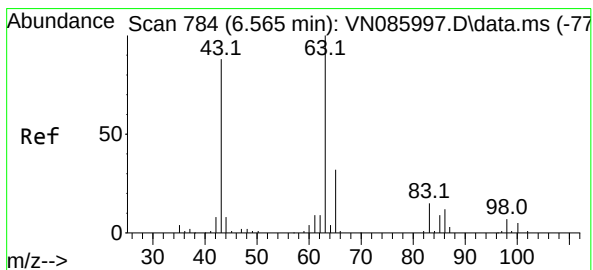
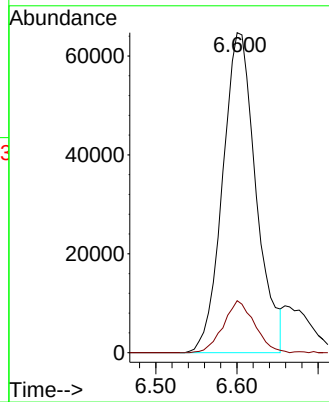
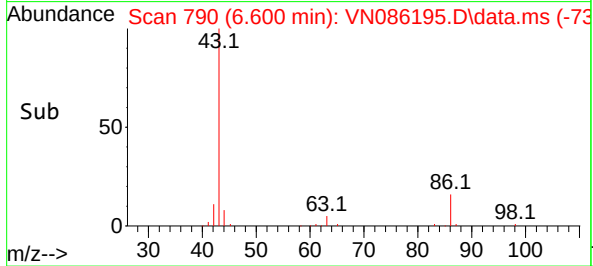
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



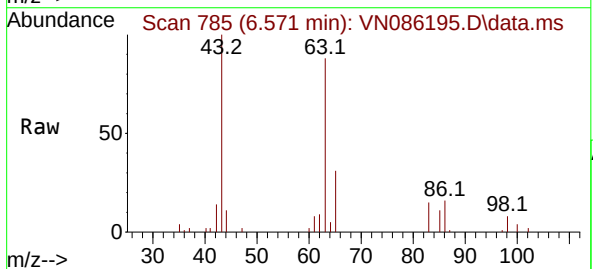
Tgt Ion: 43 Resp: 185098
Ion Ratio Lower Upper
43 100
86 16.3 11.2 16.8

Manual Integrations
APPROVED

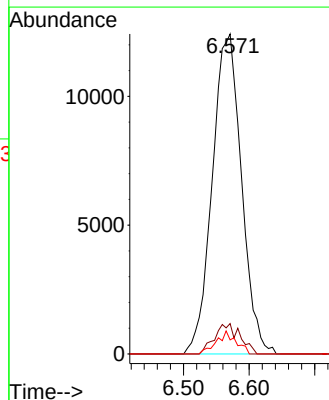
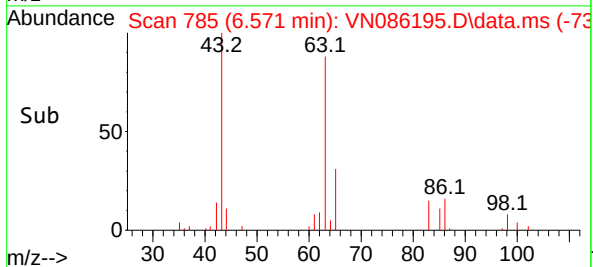
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

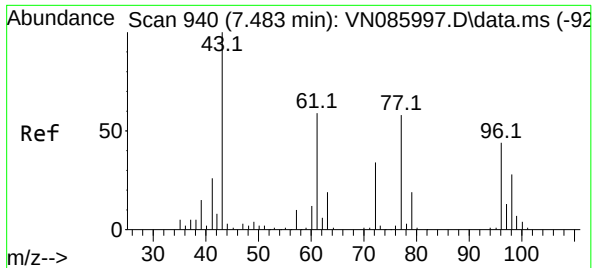


#24
1,1-Dichloroethane
Concen: 16.966 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48



Tgt Ion: 63 Resp: 38444
Ion Ratio Lower Upper
63 100
98 9.5 3.6 10.9
100 4.4 2.5 7.5





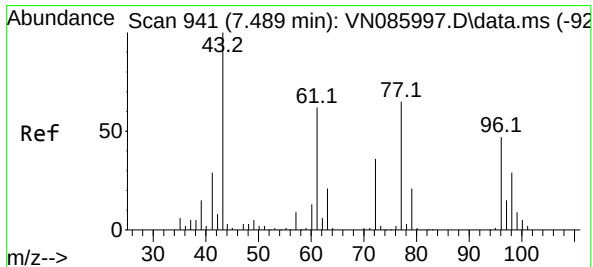
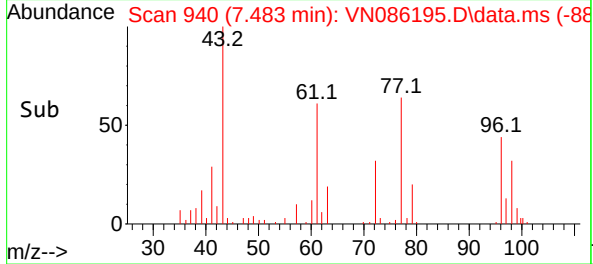
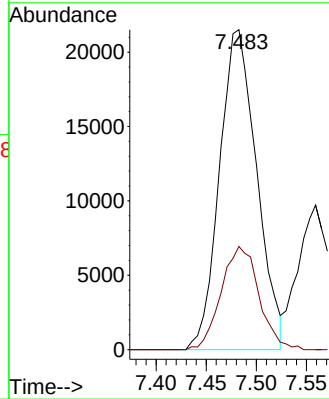
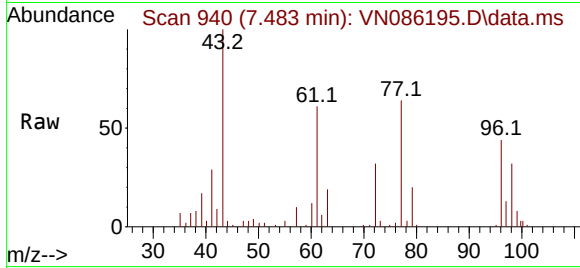
#25
2-Butanone
Concen: 81.296 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tgt Ion: 43 Resp: 5552
Ion Ratio Lower Upper
43 100
72 32.2 27.4 41.0

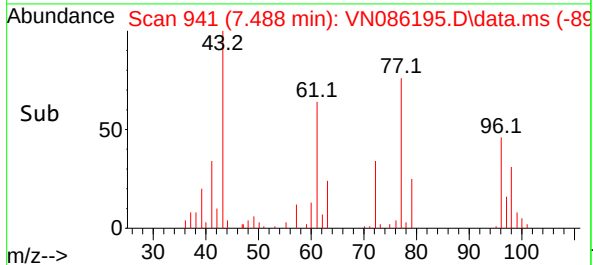
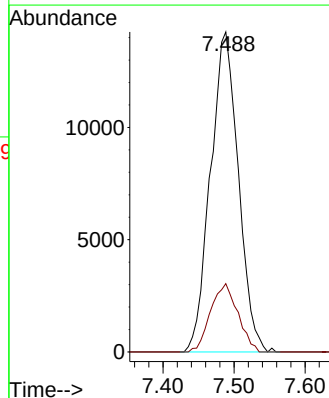
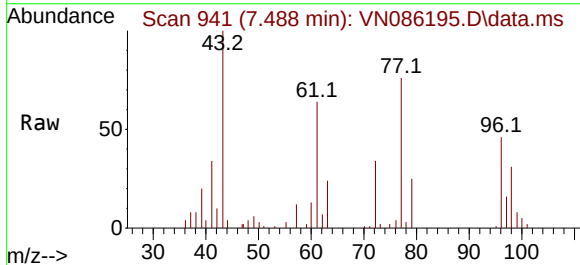
Manual Integrations
APPROVED

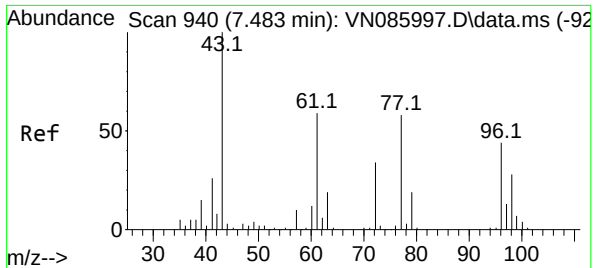
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#26
2,2-Dichloropropane
Concen: 17.815 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion: 77 Resp: 38865
Ion Ratio Lower Upper
77 100
97 20.9 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 17.401 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

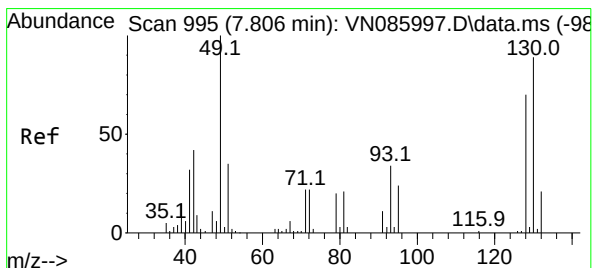
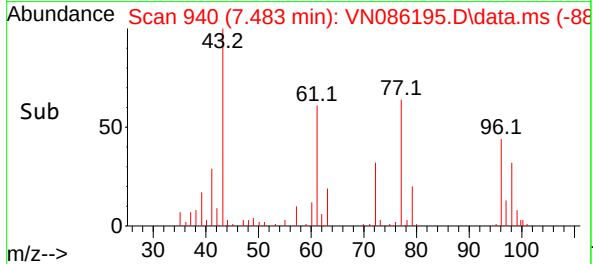
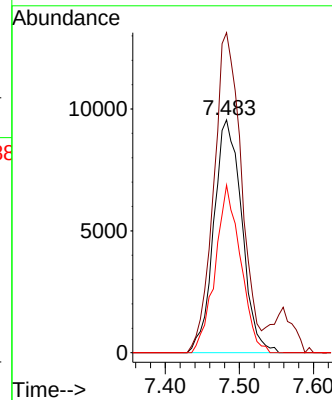
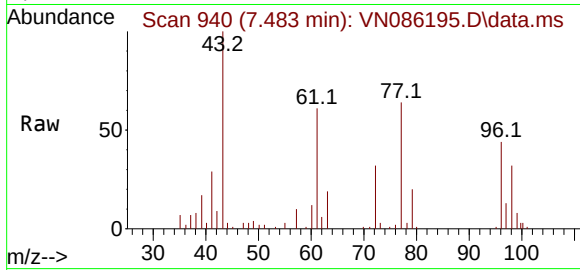
Tgt Ion:	96	Resp:	2504
Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	272.8
98	65.3	0.0	124.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#28

Bromochloromethane

Concen: 20.972 ug/l

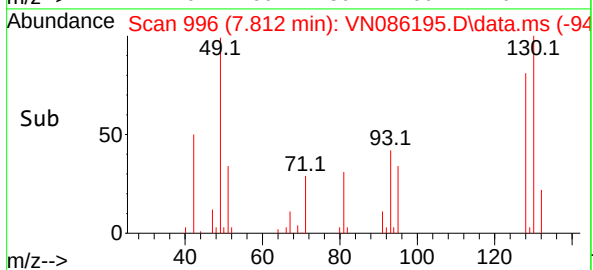
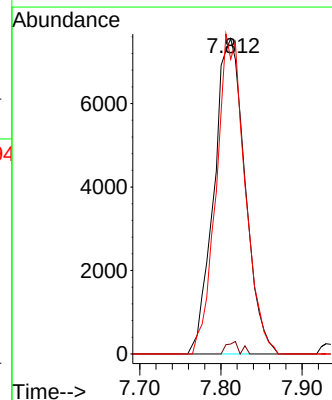
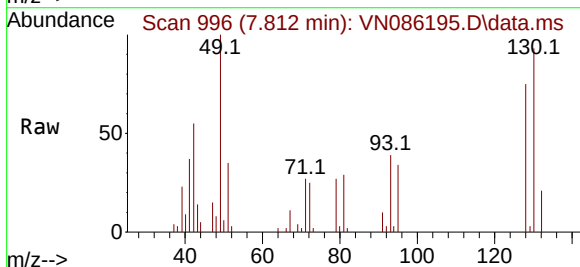
RT: 7.812 min Scan# 996

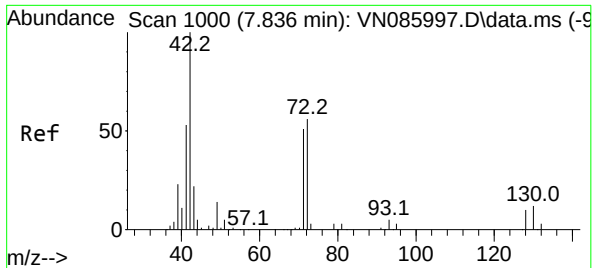
Delta R.T. 0.006 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Tgt Ion:	49	Resp:	20134
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.2
130	93.6	74.2	111.4





#29

Tetrahydrofuran

Concen: 87.793 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

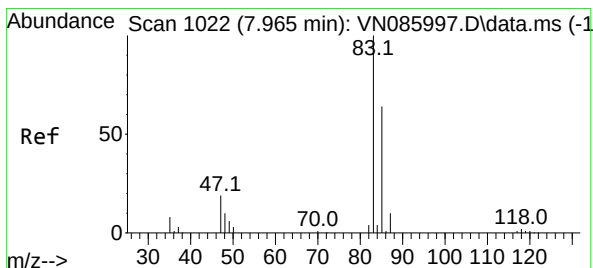
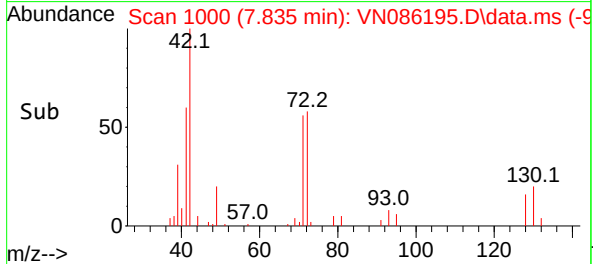
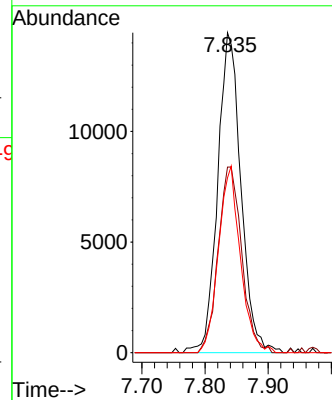
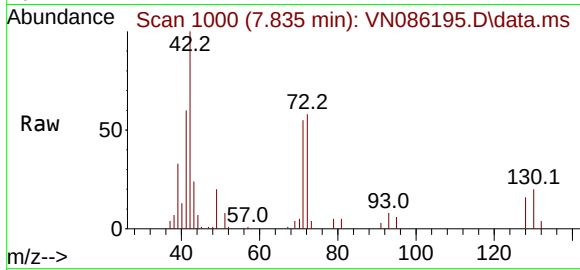
Tgt Ion: 42	Resp: 37010
Ion Ratio	Lower Upper
42	100
72	58.9 45.0 67.4
71	54.9 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#30

Chloroform

Concen: 19.140 ug/l

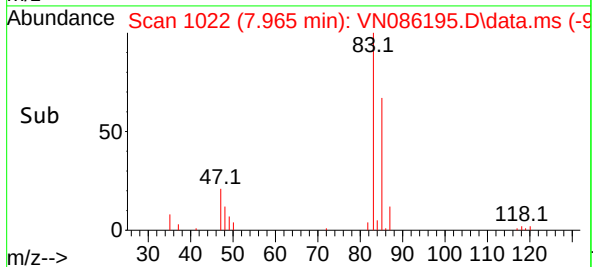
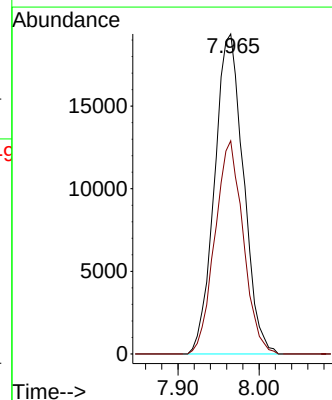
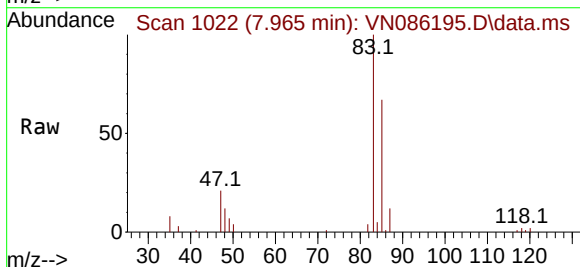
RT: 7.965 min Scan# 1022

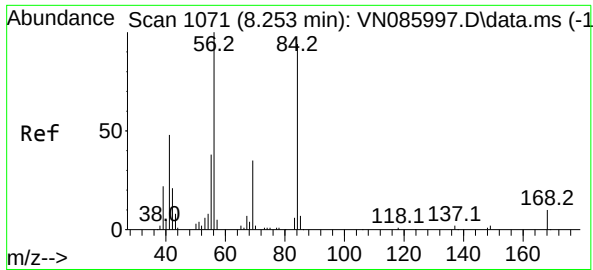
Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Tgt Ion: 83	Resp: 47939
Ion Ratio	Lower Upper
83	100
85	66.6 51.5 77.3





#31

Cyclohexane

Concen: 15.830 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion: 56 Resp: 30558

Ion Ratio Lower Upper

56 100

69 39.1 28.0 42.0

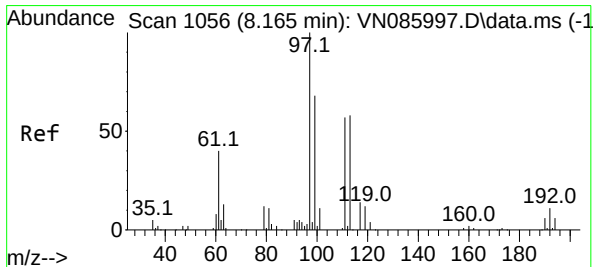
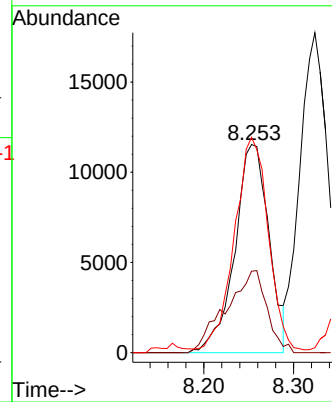
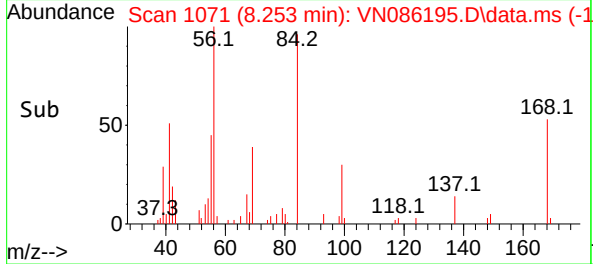
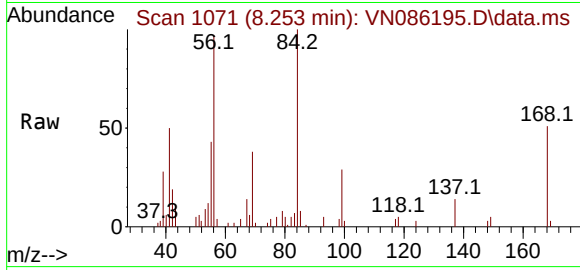
84 101.4 75.0 112.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#32

1,1,1-Trichloroethane

Concen: 19.529 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

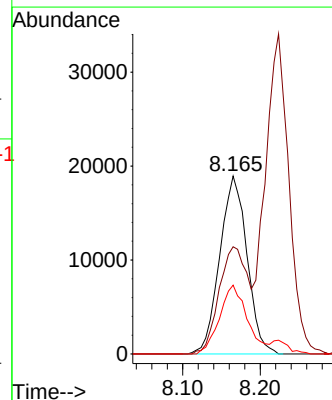
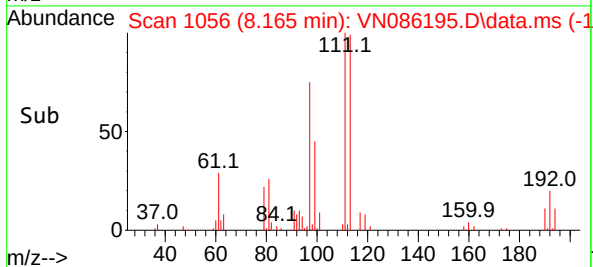
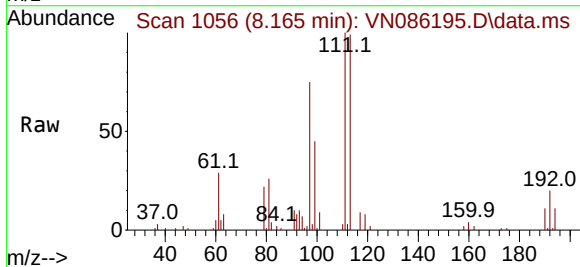
Tgt Ion: 97 Resp: 46301

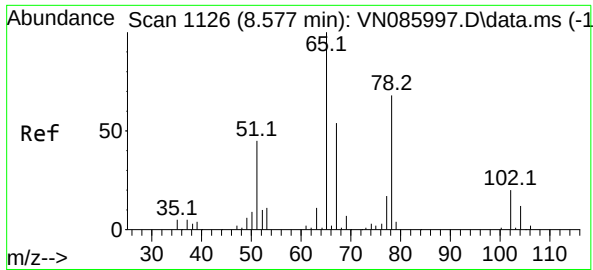
Ion Ratio Lower Upper

97 100

99 63.0 52.8 79.2

61 39.7 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 54.018 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion: 65 Resp: 8368

Ion Ratio Lower Upper

65 100

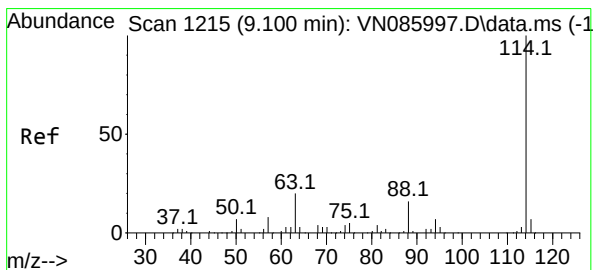
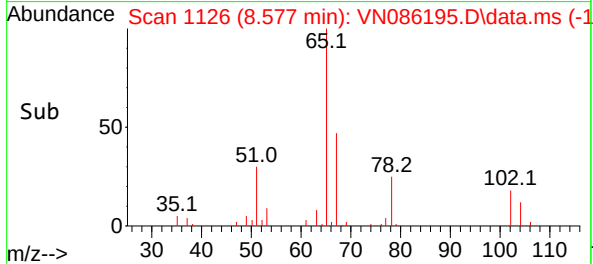
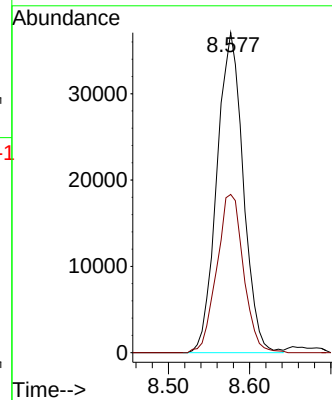
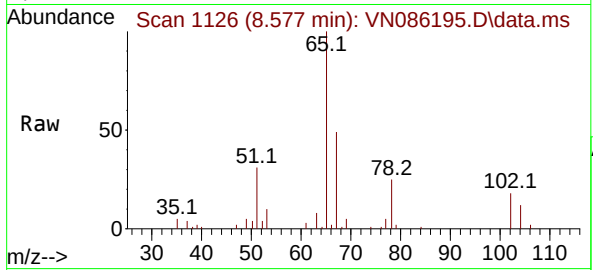
67 50.2 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

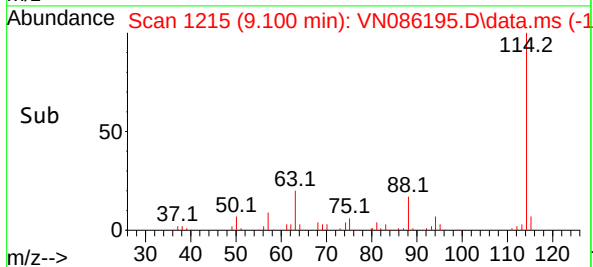
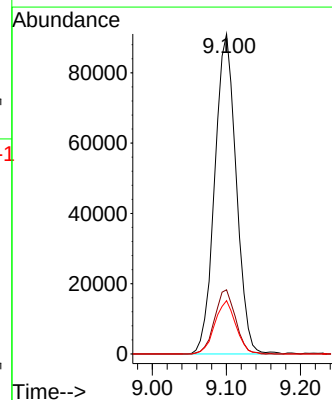
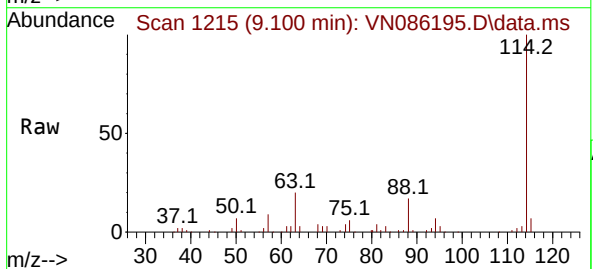
Tgt Ion:114 Resp: 183169

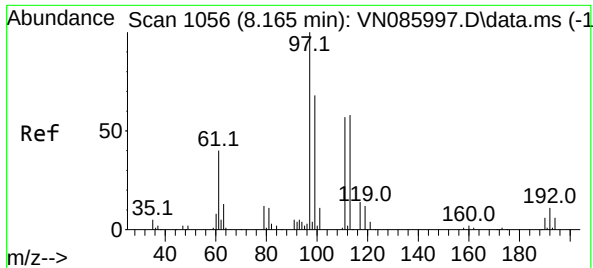
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.365 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

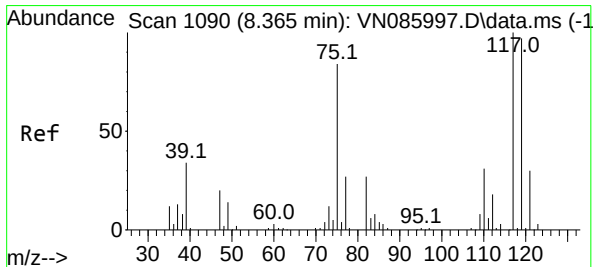
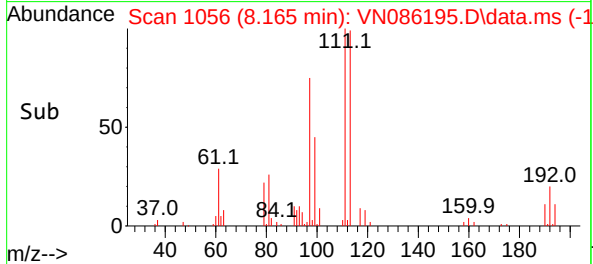
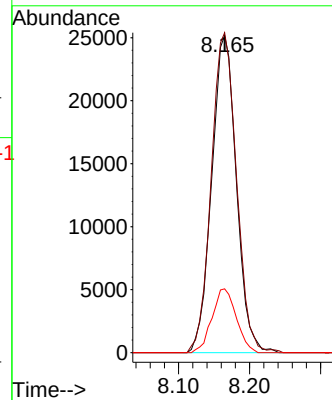
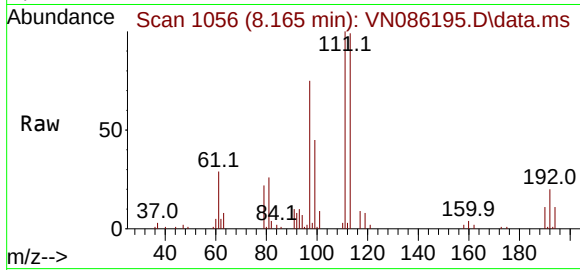
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	19.9	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#36

1,1-Dichloropropene

Concen: 16.788 ug/l

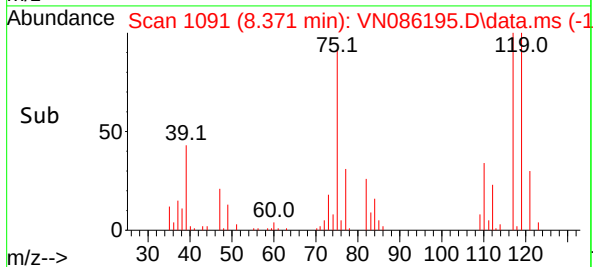
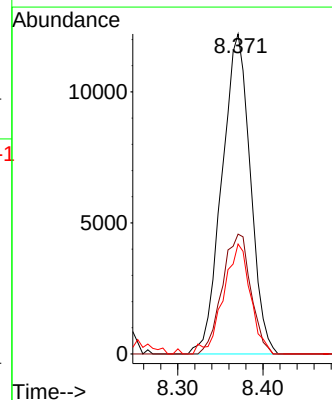
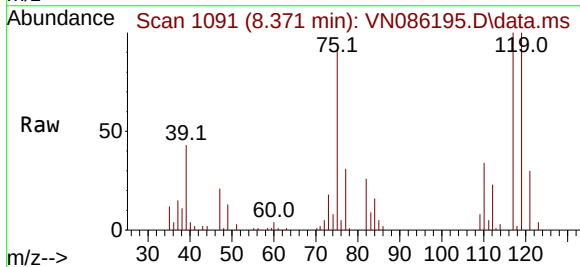
RT: 8.371 min Scan# 1091

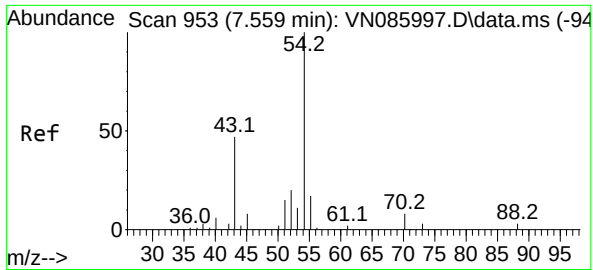
Delta R.T. 0.006 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	17.8	53.3
77	32.7	25.0	37.4





#37

Ethyl Acetate

Concen: 17.193 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion: 43 Resp: 24418

Ion Ratio Lower Upper

43 100

61 14.3 13.0 19.4

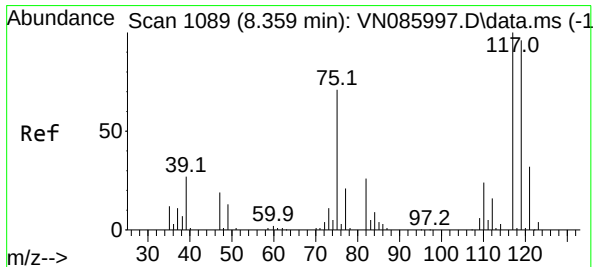
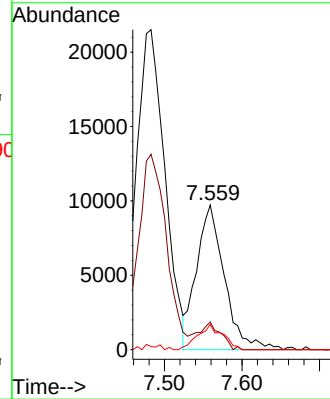
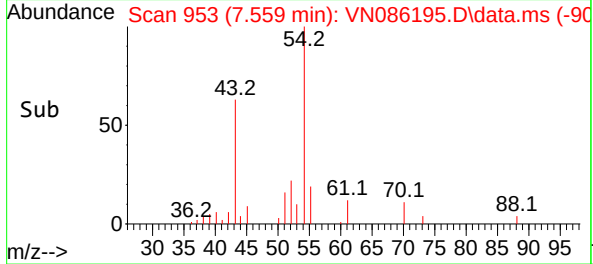
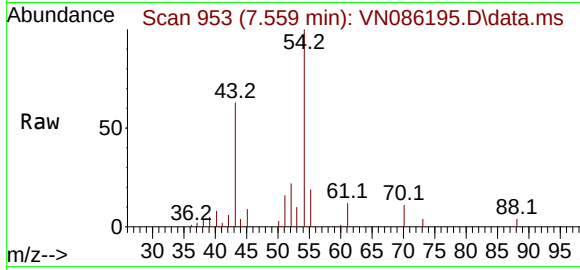
70 15.5 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#38

Carbon Tetrachloride

Concen: 19.888 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

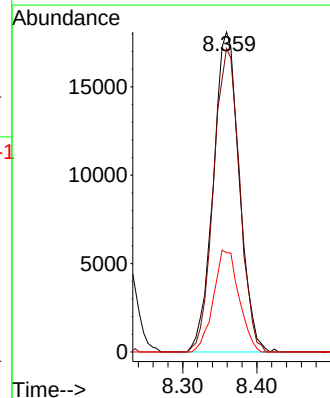
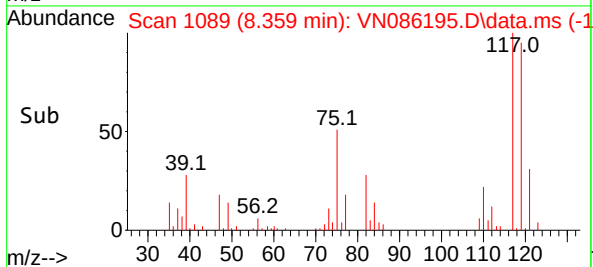
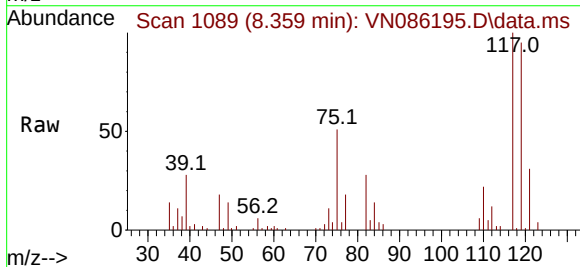
Tgt Ion:117 Resp: 44022

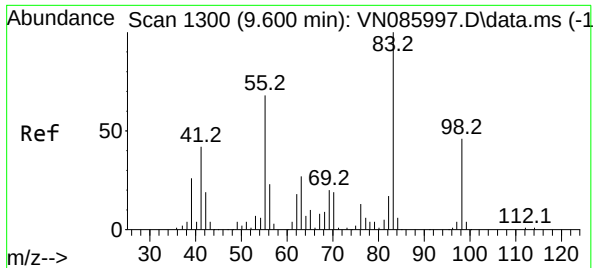
Ion Ratio Lower Upper

117 100

119 94.8 77.0 115.4

121 31.0 25.6 38.4





#39

Methylcyclohexane

Concen: 16.997 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion: 83 Resp: 2838

Ion Ratio Lower Upper

83 100

55 68.3 54.2 81.2

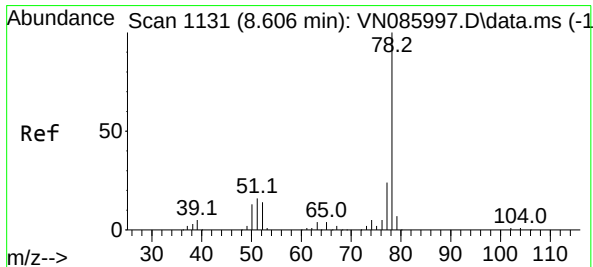
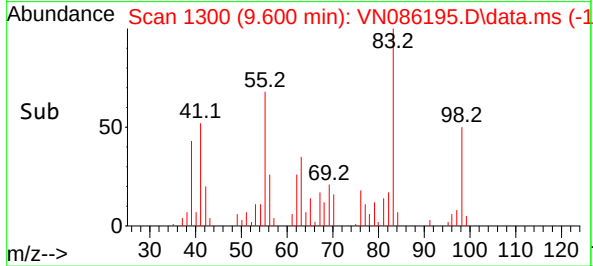
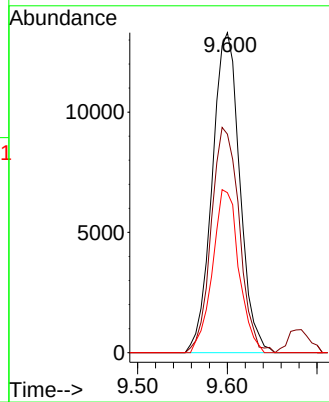
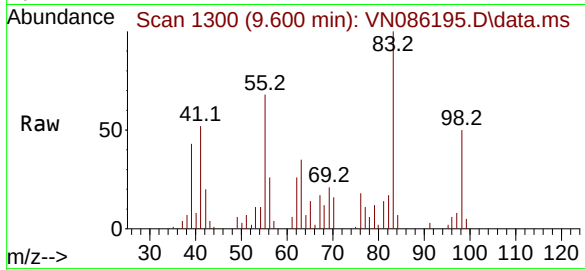
98 50.0 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#40

Benzene

Concen: 18.490 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086195.D

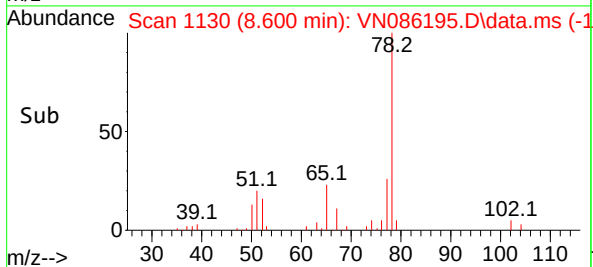
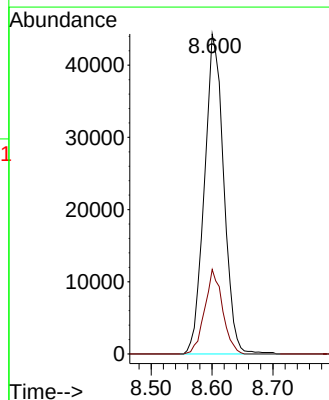
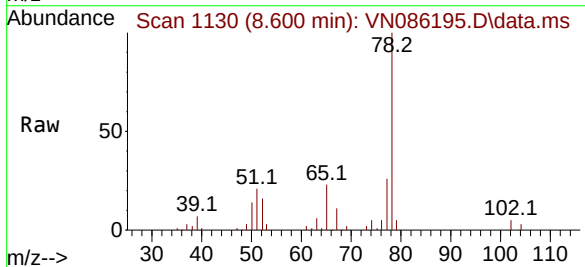
Acq: 01 Apr 2025 14:48

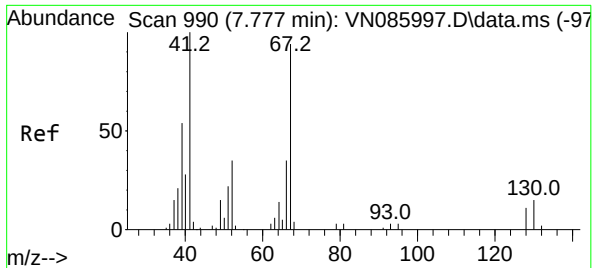
Tgt Ion: 78 Resp: 97718

Ion Ratio Lower Upper

78 100

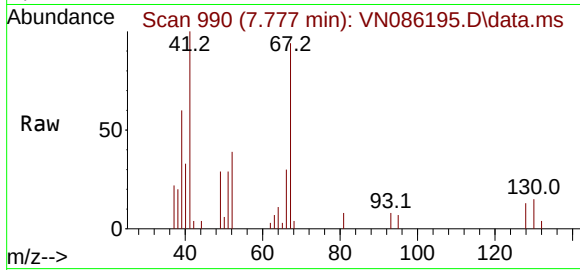
77 26.4 18.9 28.3





#41
Methacrylonitrile
Concen: 16.981 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

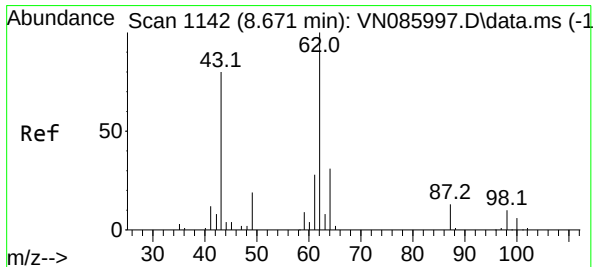
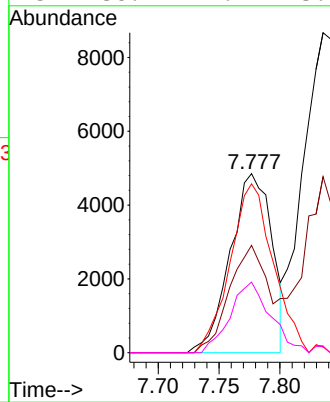
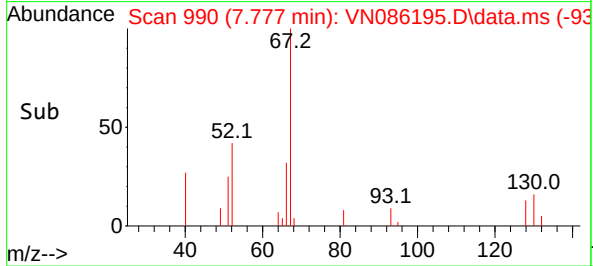
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion: 41 Resp: 11510
Ion Ratio Lower Upper
41 100
39 58.4 46.2 69.2
67 97.4 75.9 113.9
52 38.2 29.2 43.8

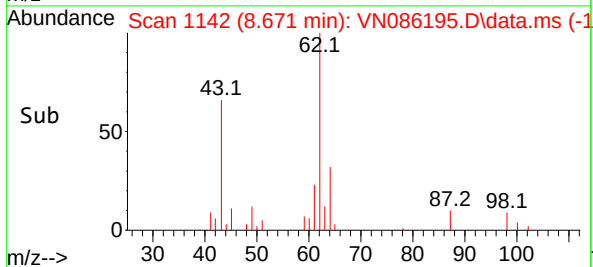
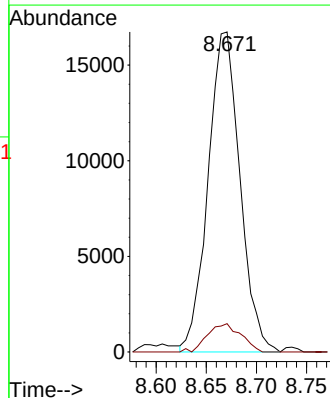
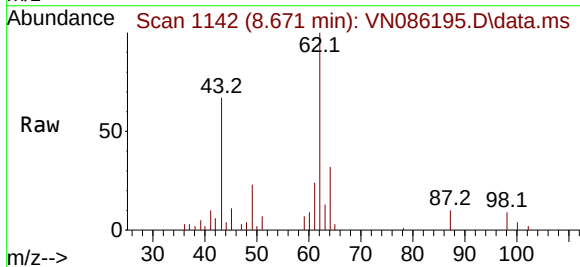
Manual Integrations
APPROVED

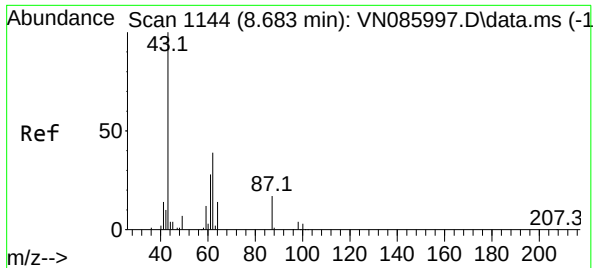
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#42
1,2-Dichloroethane
Concen: 20.106 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

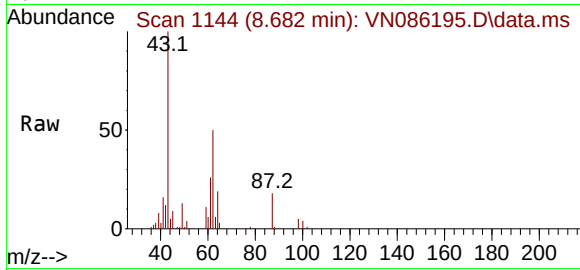
Tgt Ion: 62 Resp: 37024
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.6





#43
Isopropyl Acetate
Concen: 15.004 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

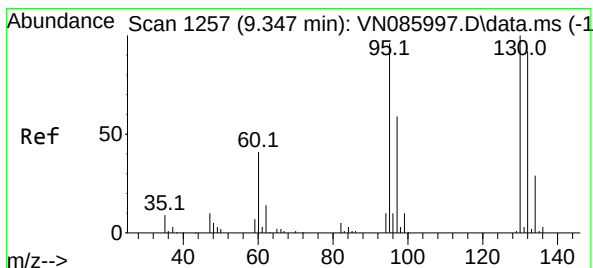
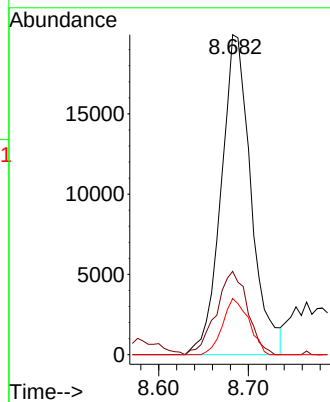
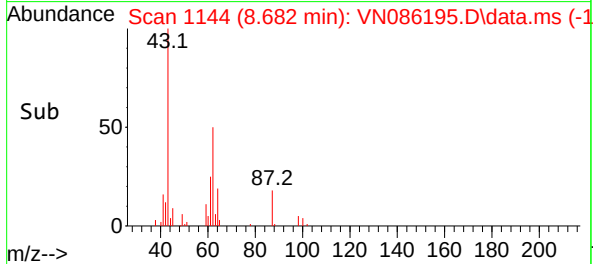
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



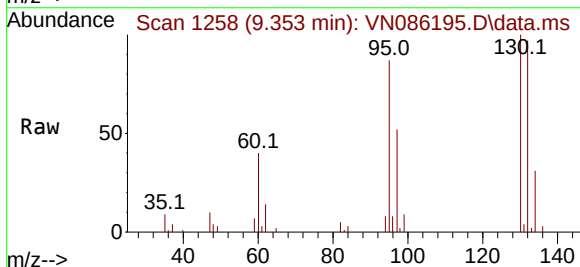
Tgt Ion: 43 Resp: 4617
Ion Ratio Lower Upper
43 100
61 27.3 25.0 37.6
87 15.4 13.0 19.4

Manual Integrations
APPROVED

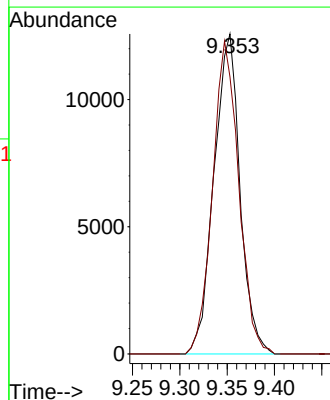
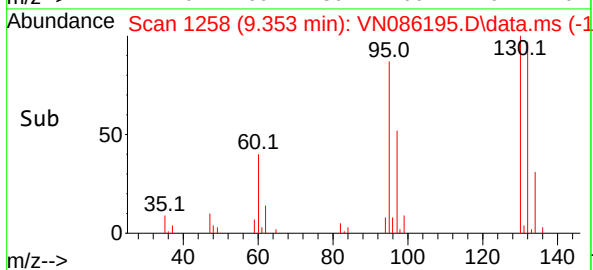
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

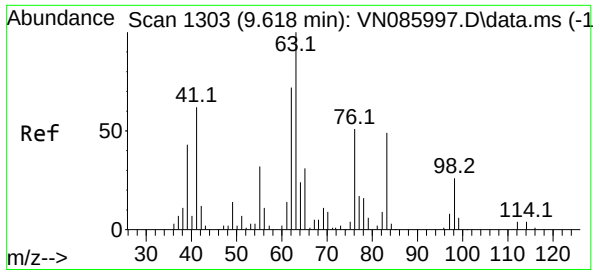


#44
Trichloroethene
Concen: 17.575 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48



Tgt Ion:130 Resp: 24073
Ion Ratio Lower Upper
130 100
95 86.6 0.0 191.6





#45

1,2-Dichloropropane

Concen: 19.089 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion: 63 Resp: 2294

Ion Ratio Lower Upper

63 100

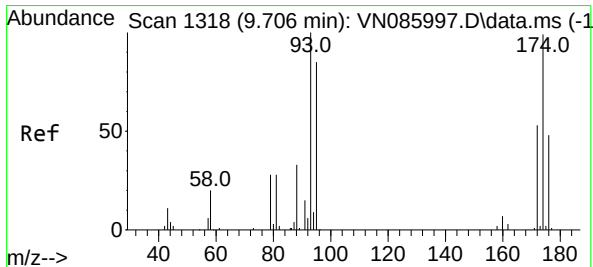
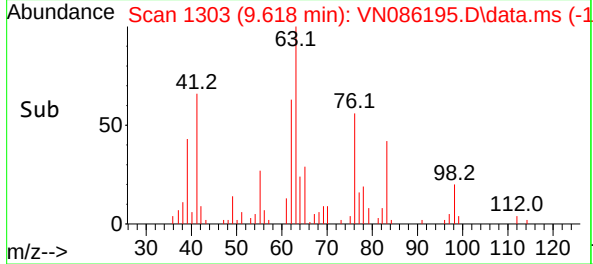
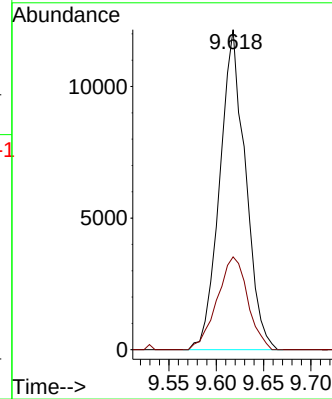
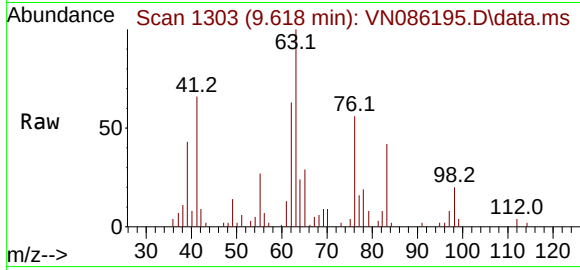
65 29.0 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#46

Dibromomethane

Concen: 20.094 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

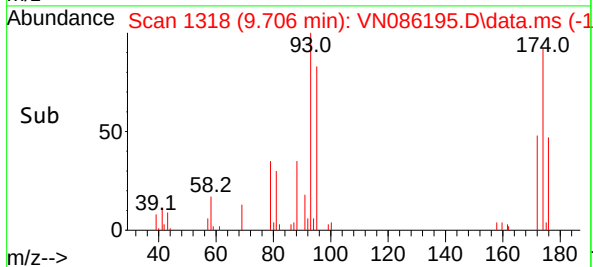
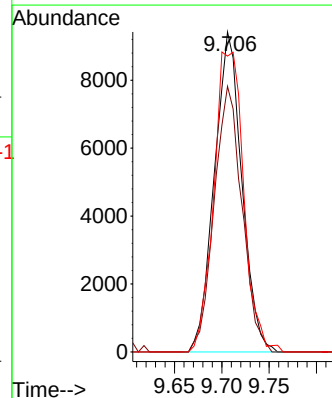
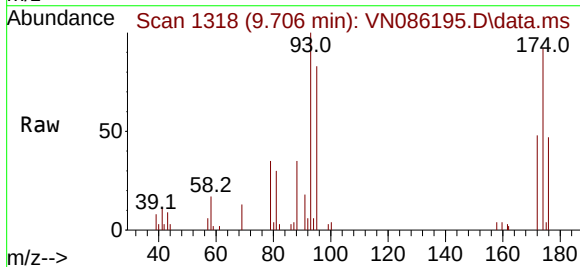
Tgt Ion: 93 Resp: 18995

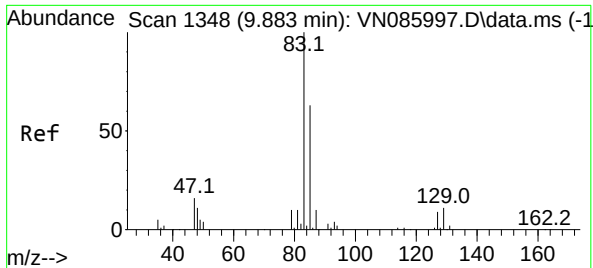
Ion Ratio Lower Upper

93 100

95 84.1 66.2 99.2

174 102.1 80.1 120.1





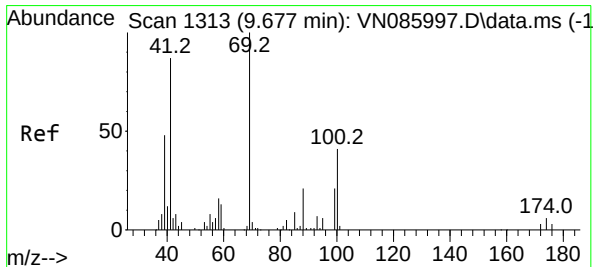
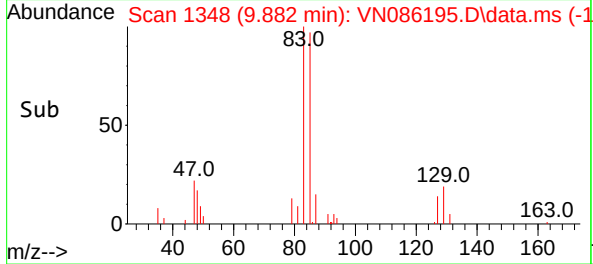
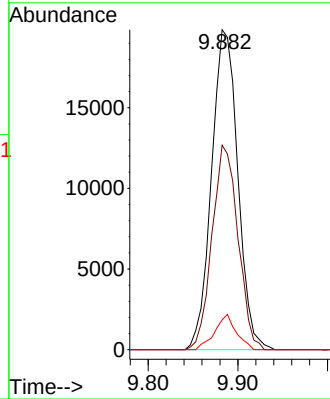
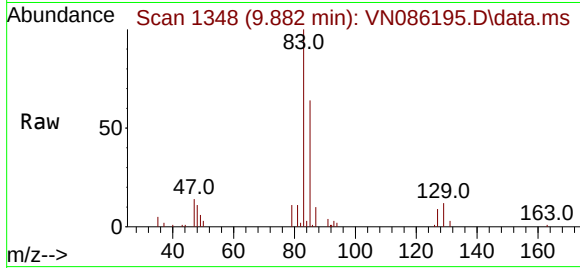
#47
Bromodichloromethane
Concen: 20.415 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tgt Ion: 83 Resp: 4033
Ion Ratio Lower Upper
83 100
85 63.9 50.2 75.2
127 9.3 7.1 10.7

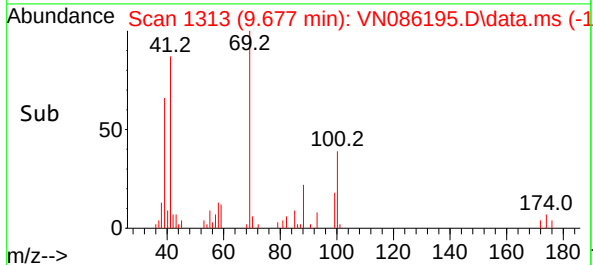
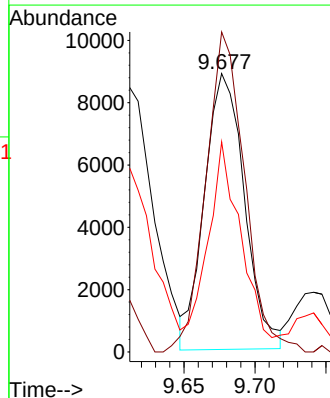
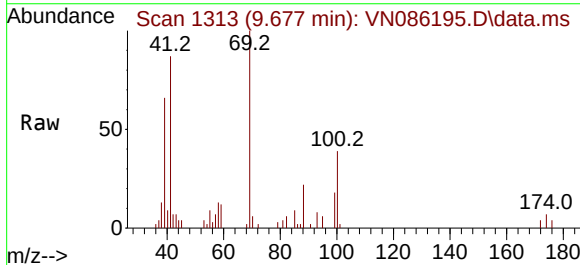
Manual Integrations
APPROVED

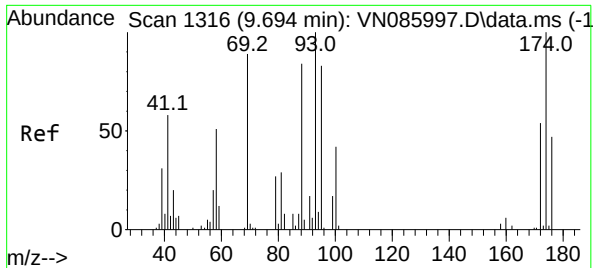
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#48
Methyl methacrylate
Concen: 17.069 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion: 41 Resp: 17335
Ion Ratio Lower Upper
41 100
69 112.4 83.1 124.7
39 64.9 45.6 68.4





#49

1,4-Dioxane

Concen: 380.962 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion: 88 Resp: 9140

Ion Ratio Lower Upper

88 100

43 25.6 21.7 32.5

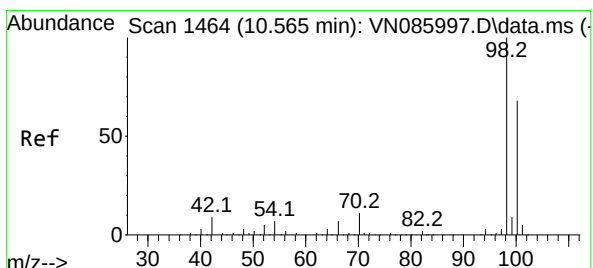
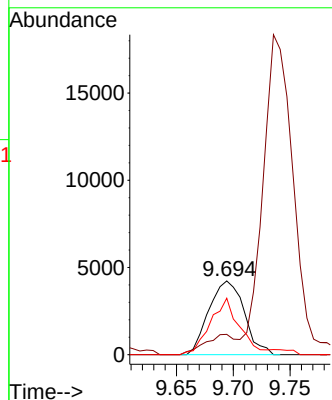
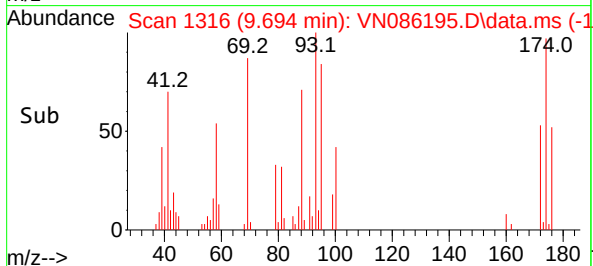
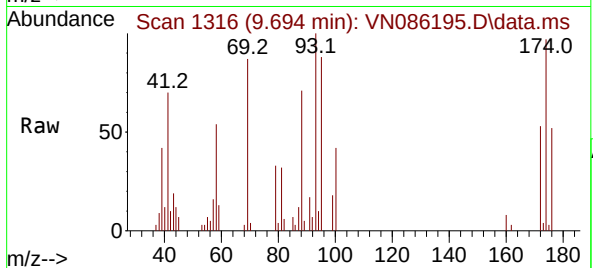
58 63.5 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#50

Toluene-d8

Concen: 48.255 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086195.D

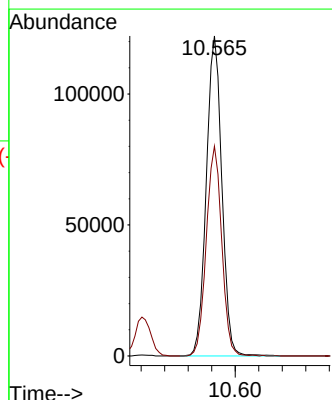
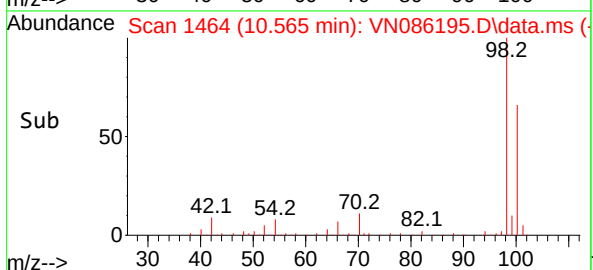
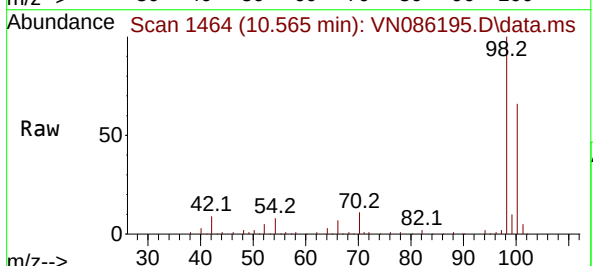
Acq: 01 Apr 2025 14:48

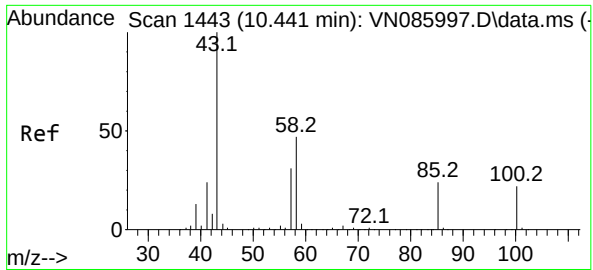
Tgt Ion: 98 Resp: 223904

Ion Ratio Lower Upper

98 100

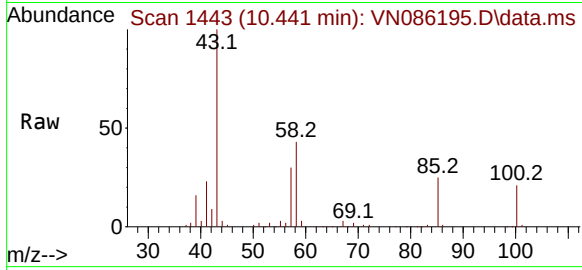
100 65.3 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 96.040 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

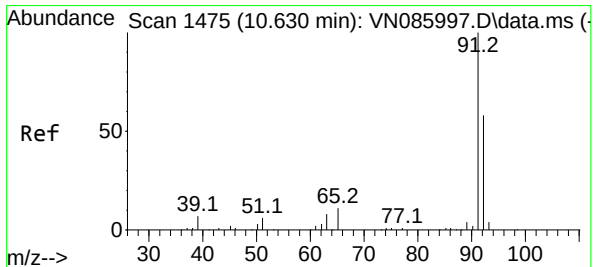
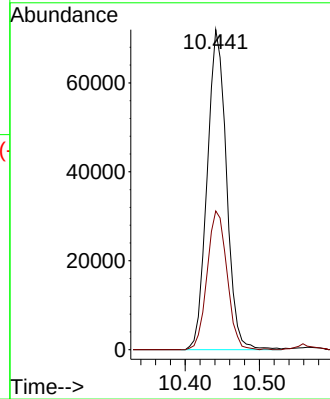
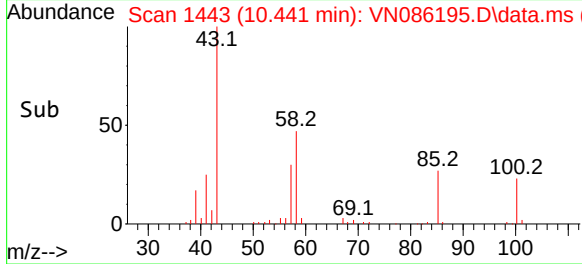
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



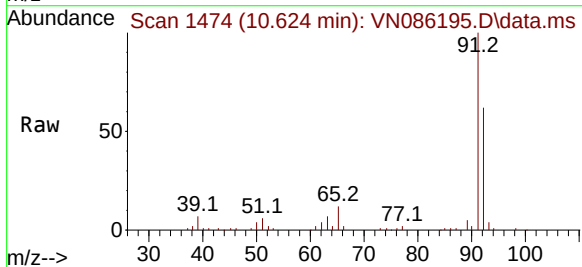
Tgt Ion: 43 Resp: 13035
Ion Ratio Lower Upper
43 100
58 44.6 37.4 56.0

Manual Integrations
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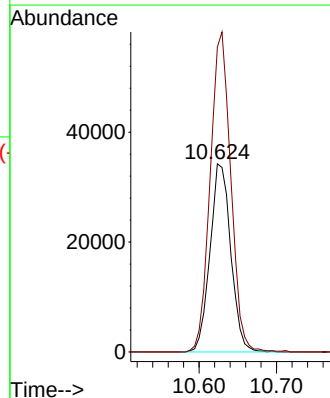
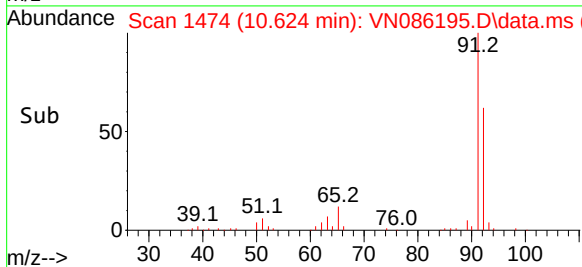
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

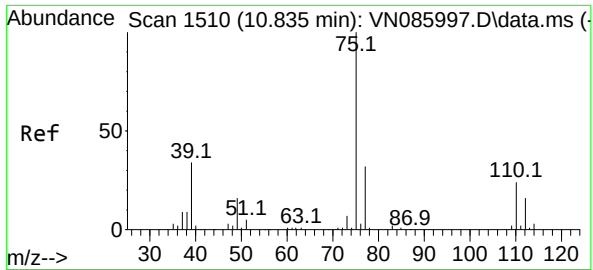


#52
Toluene
Concen: 19.658 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48



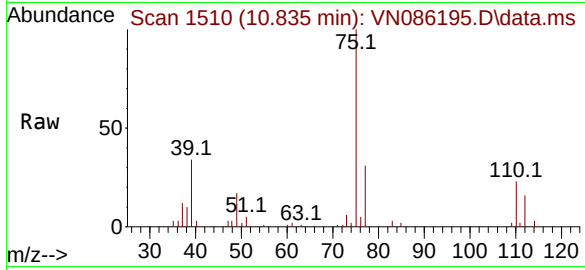
Tgt Ion: 92 Resp: 63760
Ion Ratio Lower Upper
92 100
91 168.5 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 19.359 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

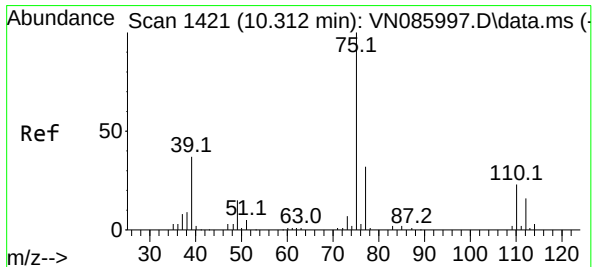
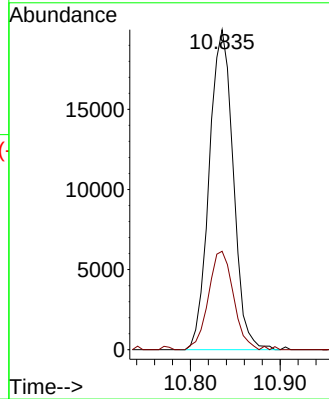
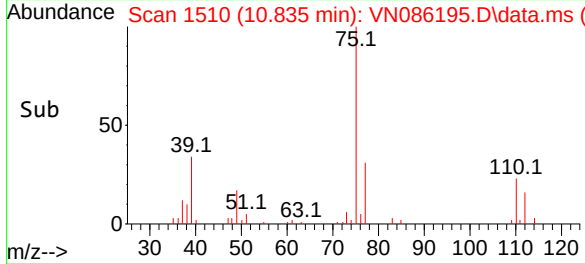
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



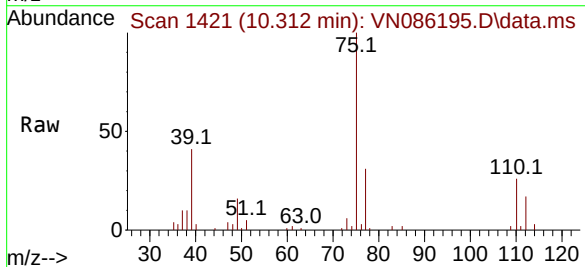
Tgt Ion: 75 Resp: 3714
Ion Ratio Lower Upper
75 100
77 30.7 25.3 37.9

Manual Integrations
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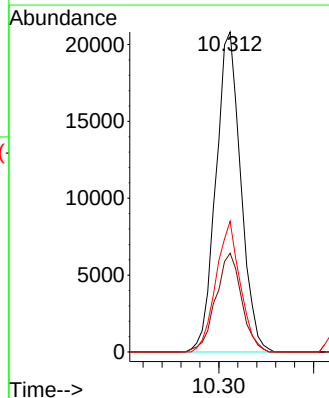
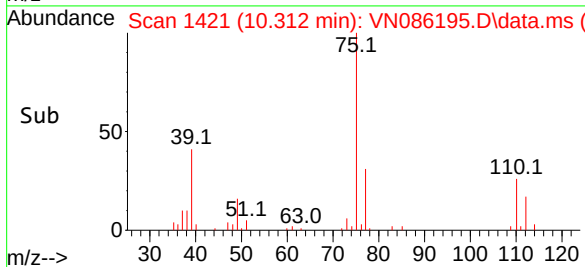
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

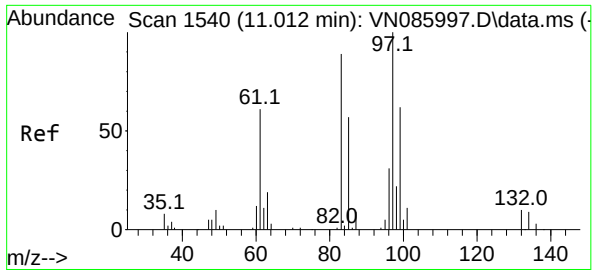


#54
cis-1,3-Dichloropropene
Concen: 18.735 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48



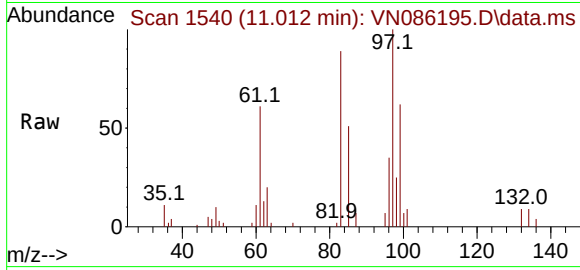
Tgt Ion: 75 Resp: 37925
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9
39 40.9 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 19.752 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

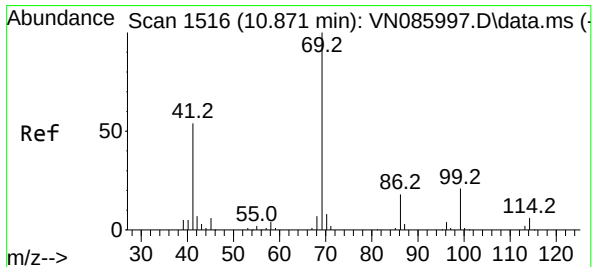
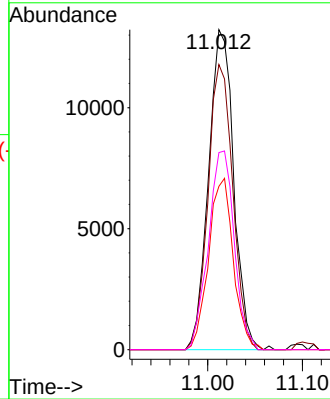
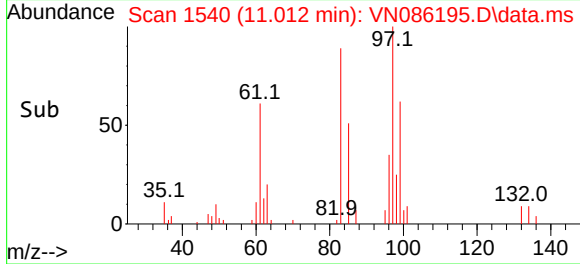
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



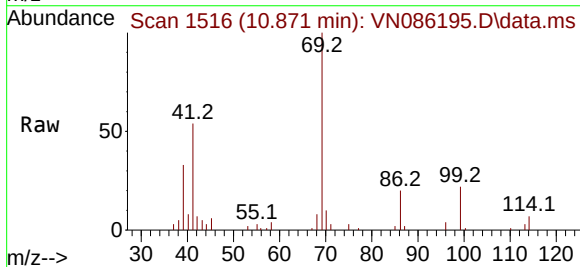
Tgt Ion: 97 Resp: 24452
Ion Ratio Lower Upper
97 100
83 89.1 71.2 106.8
85 51.0 45.4 68.0
99 61.6 49.5 74.3

Manual Integrations
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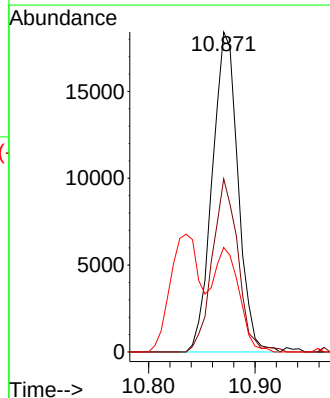
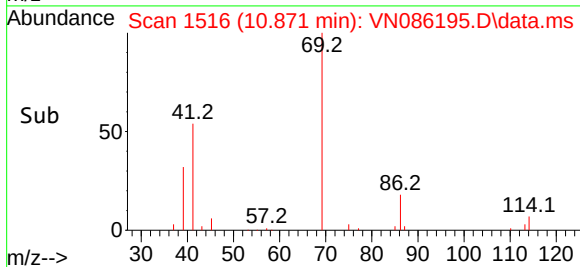
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

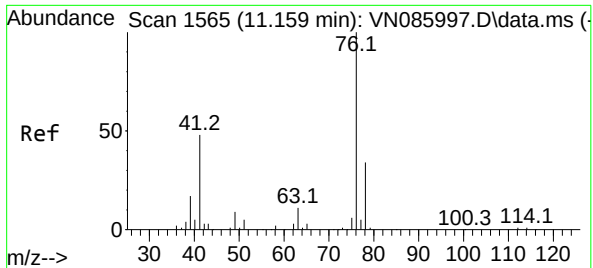


#56
Ethyl methacrylate
Concen: 18.441 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48



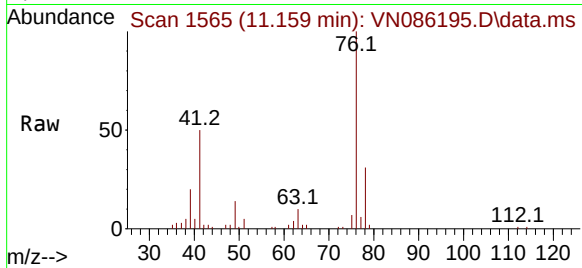
Tgt Ion: 69 Resp: 30960
Ion Ratio Lower Upper
69 100
41 53.8 41.6 62.4
39 32.9 21.8 32.8#





#57
1,3-Dichloropropane
Concen: 19.137 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

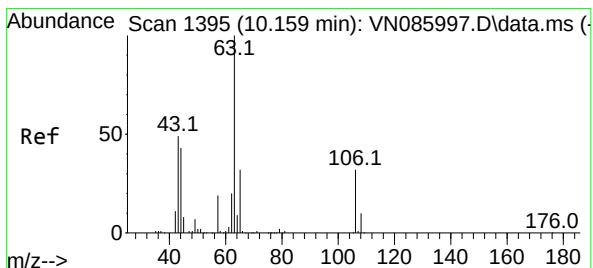
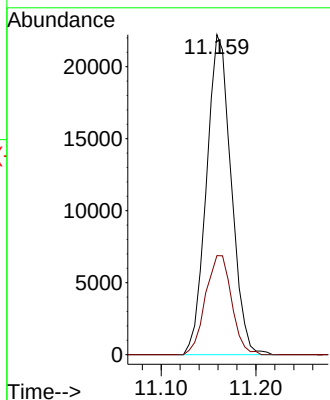
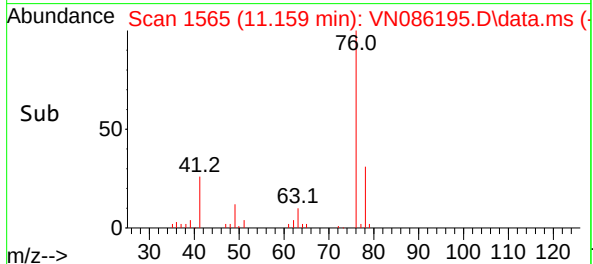
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion: 76 Resp: 40240
Ion Ratio Lower Upper
76 100
78 32.8 25.8 38.6

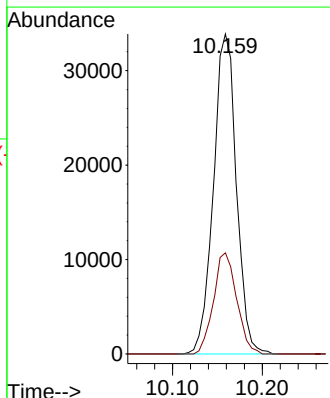
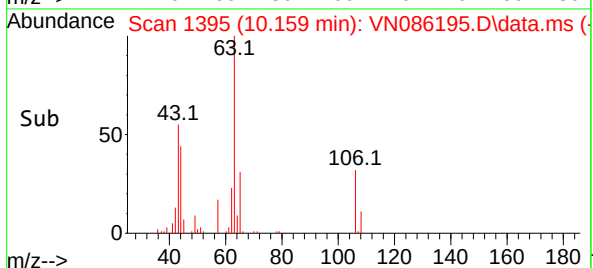
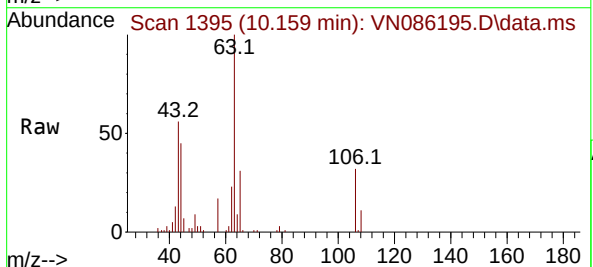
Manual Integrations
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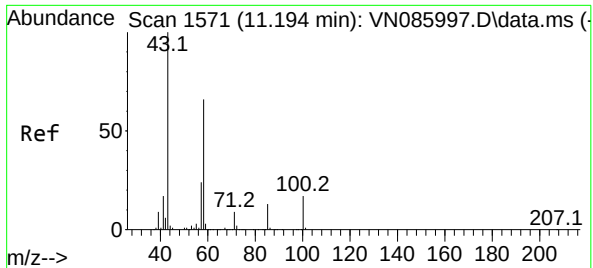
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#58
2-Chloroethyl Vinyl ether
Concen: 94.789 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

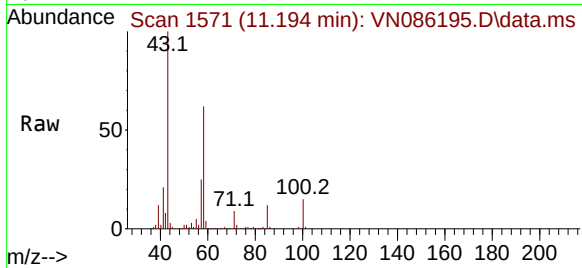
Tgt Ion: 63 Resp: 60080
Ion Ratio Lower Upper
63 100
106 31.9 25.0 37.6





#59
2-Hexanone
Concen: 93.547 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

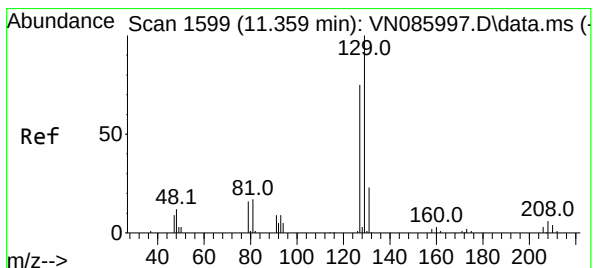
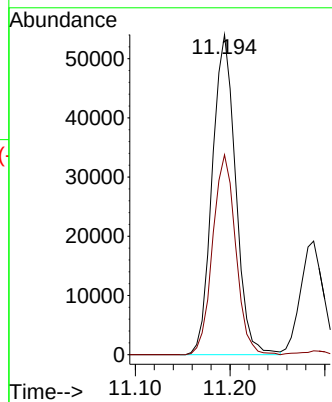
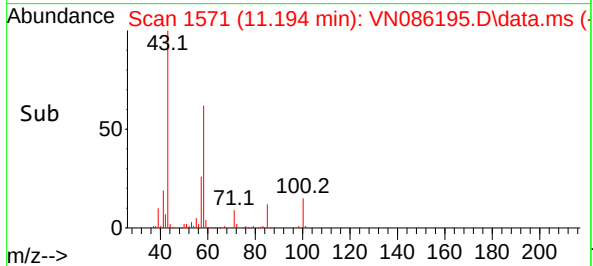
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion: 43 Resp: 9249
Ion Ratio Lower Upper
43 100
58 61.5 32.4 97.2

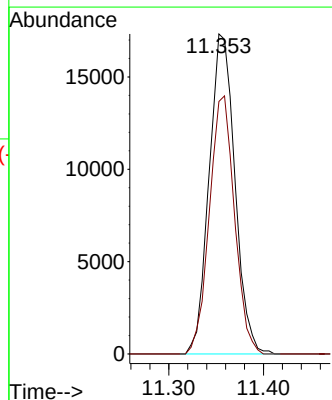
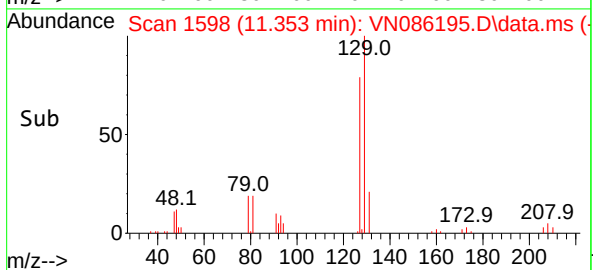
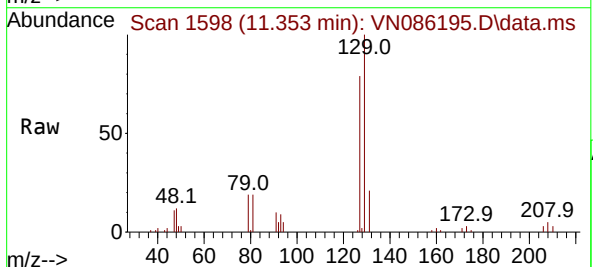
Manual Integrations
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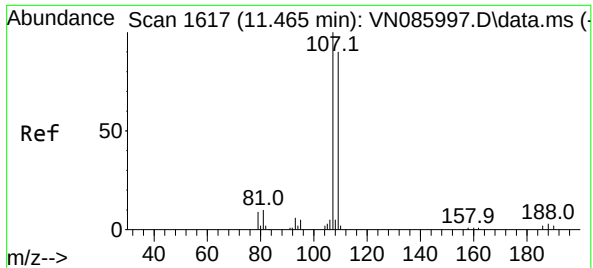
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#60
Dibromochloromethane
Concen: 20.505 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

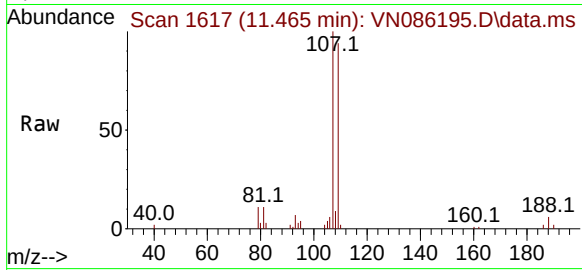
Tgt Ion:129 Resp: 32757
Ion Ratio Lower Upper
129 100
127 78.5 37.8 113.4





#61
1,2-Dibromoethane
Concen: 19.670 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

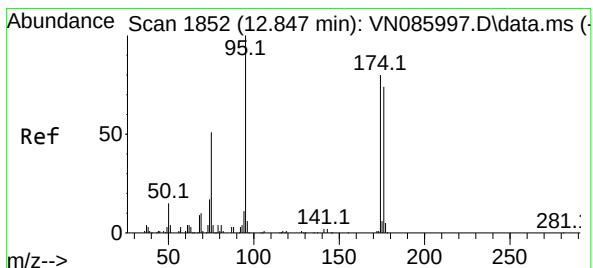
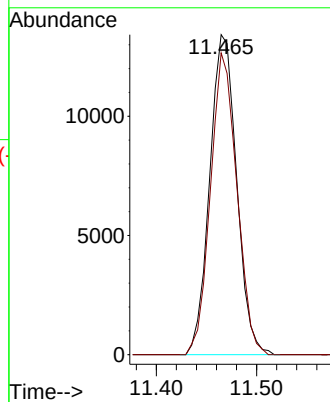
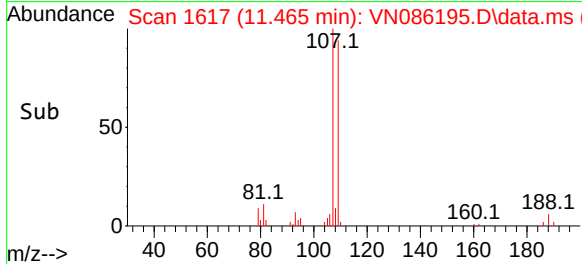
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion:107 Resp: 24995
Ion Ratio Lower Upper
107 100
109 92.3 73.3 109.9

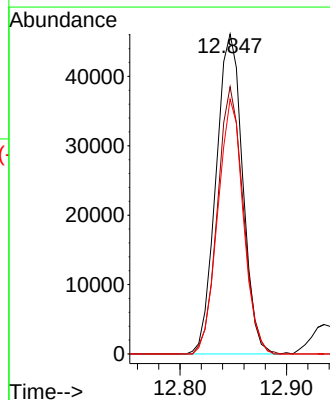
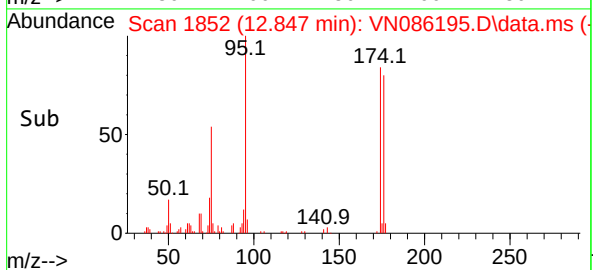
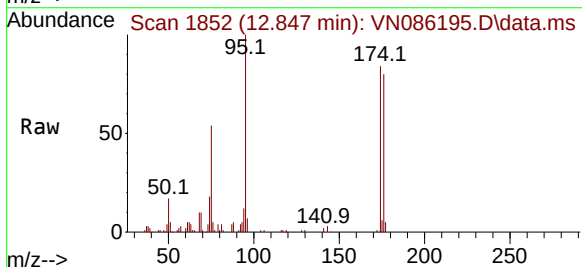
Manual Integrations
APPROVED

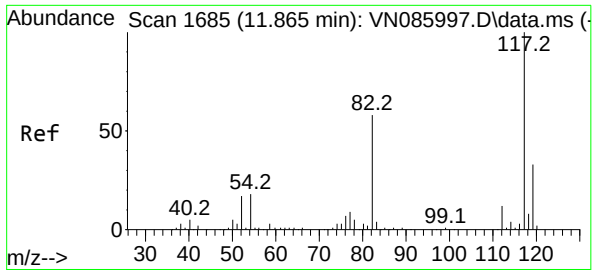
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#62
4-Bromofluorobenzene
Concen: 48.281 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion: 95 Resp: 79895
Ion Ratio Lower Upper
95 100
174 80.6 0.0 156.8
176 76.3 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion:117 Resp: 166660

Ion Ratio Lower Upper

117 100

82 55.6 46.7 70.1

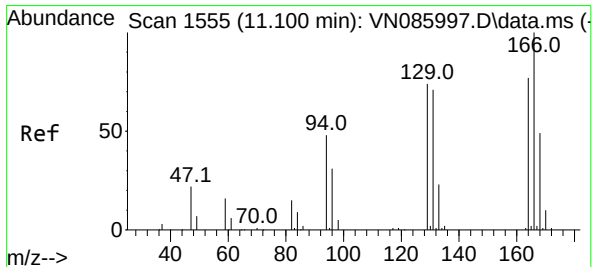
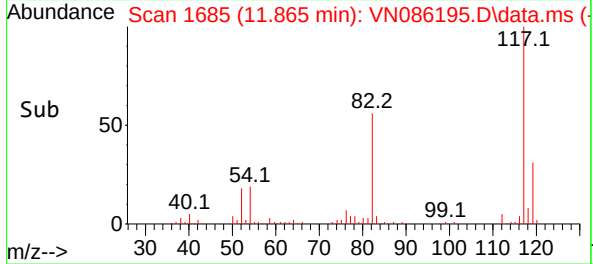
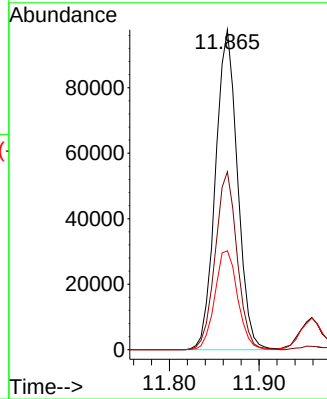
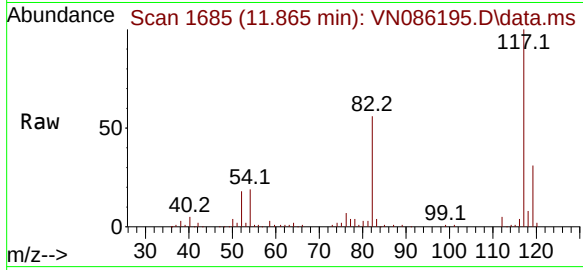
119 30.9 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#64

Tetrachloroethene

Concen: 19.025 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Tgt Ion:164 Resp: 25293

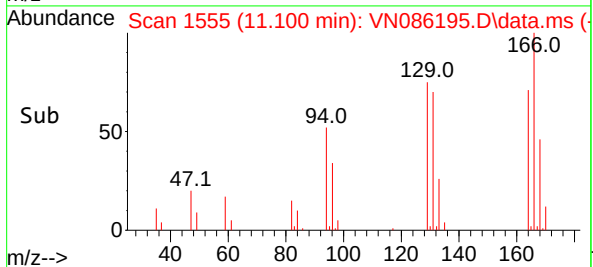
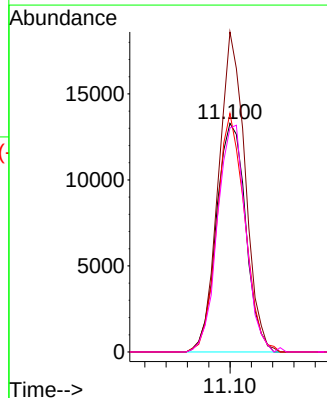
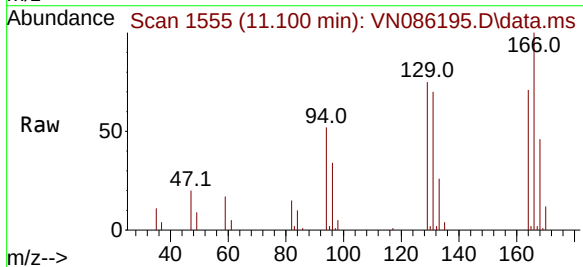
Ion Ratio Lower Upper

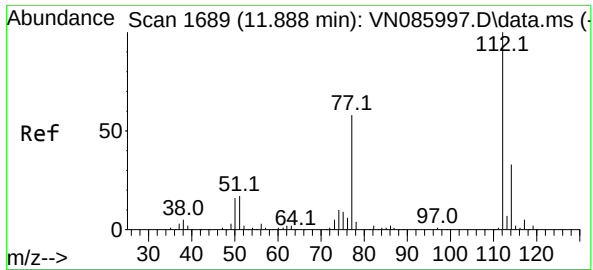
164 100

166 140.0 103.7 155.5

129 104.4 77.1 115.7

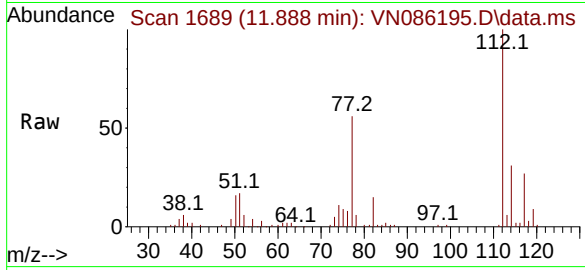
131 98.0 73.3 109.9





#65
Chlorobenzene
Concen: 17.679 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

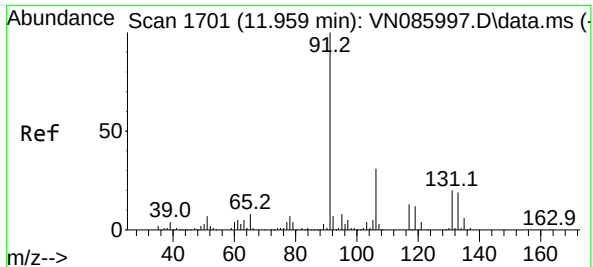
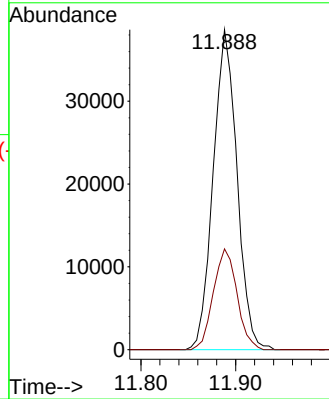
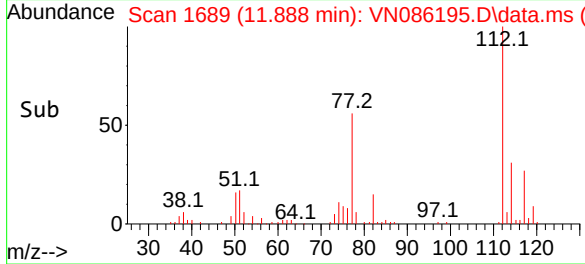
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion:112 Resp: 6742
Ion Ratio Lower Upper
112 100
114 31.5 26.3 39.5

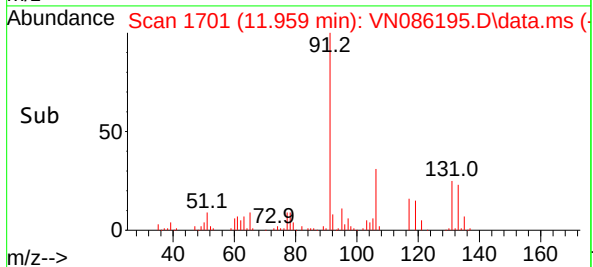
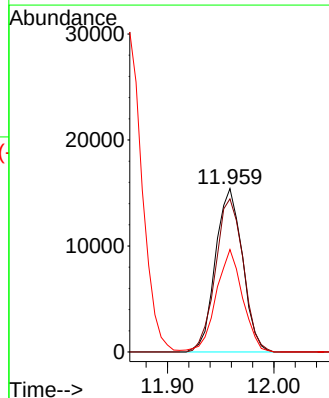
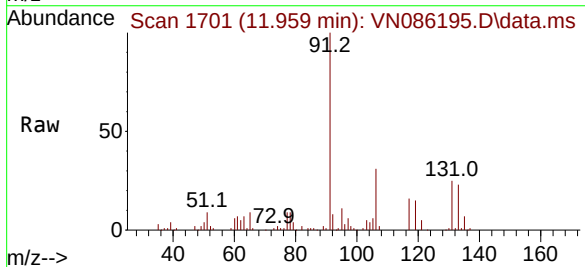
Manual Integrations
APPROVED

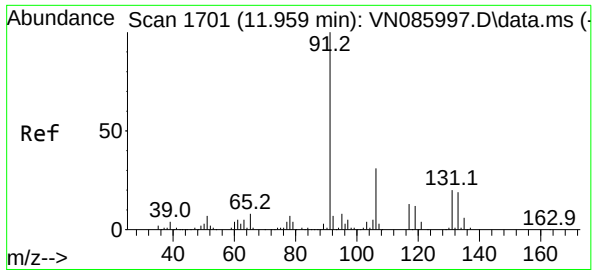
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.184 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion:131 Resp: 27197
Ion Ratio Lower Upper
131 100
133 96.2 47.0 141.0
119 61.4 31.4 94.0





#67

Ethyl Benzene

Concen: 17.039 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion: 91 Resp: 10394

Ion Ratio Lower Upper

91 100

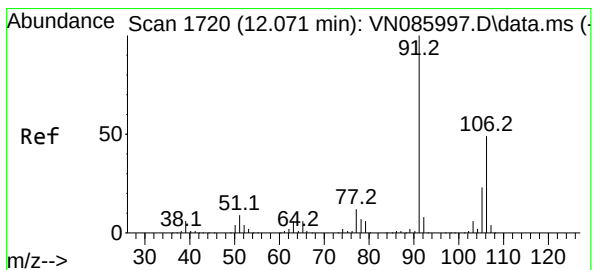
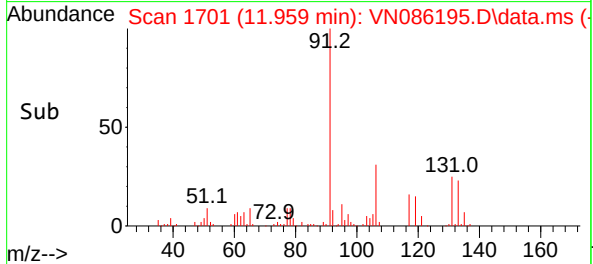
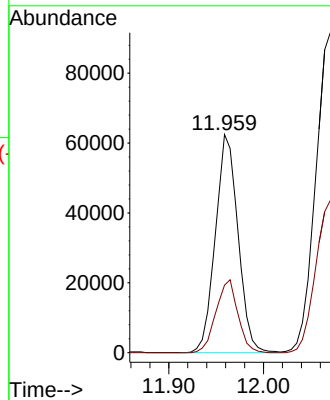
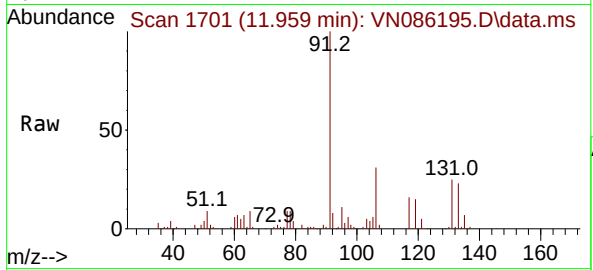
106 30.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#68

m/p-Xylenes

Concen: 35.056 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN086195.D

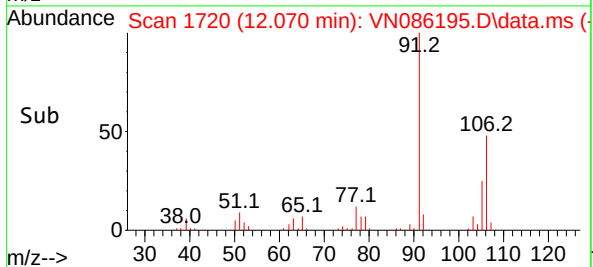
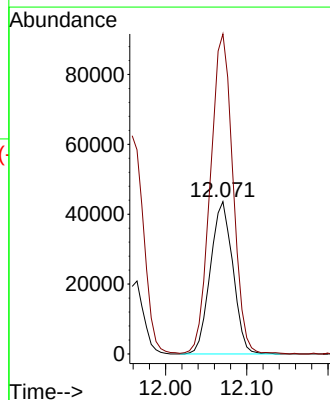
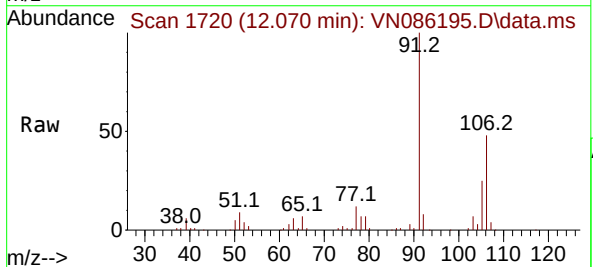
Acq: 01 Apr 2025 14:48

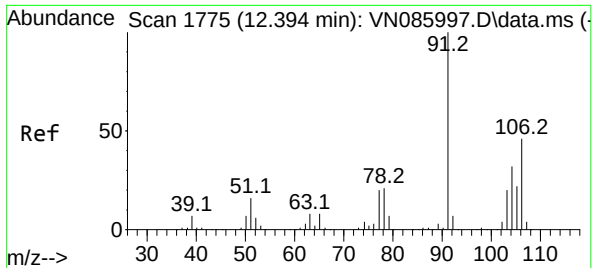
Tgt Ion:106 Resp: 84055

Ion Ratio Lower Upper

106 100

91 210.7 163.9 245.9





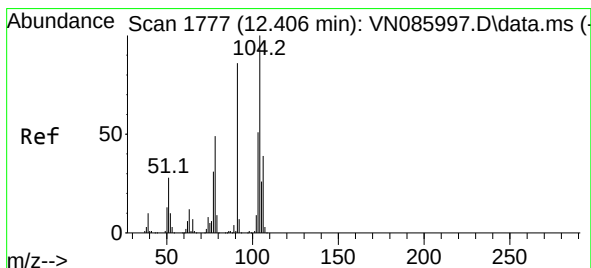
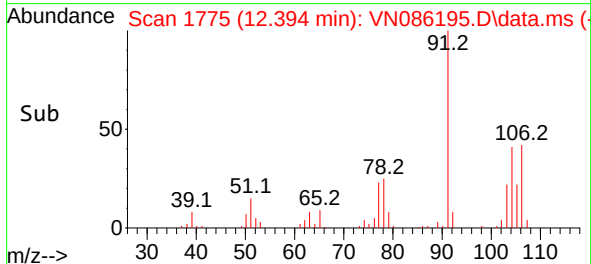
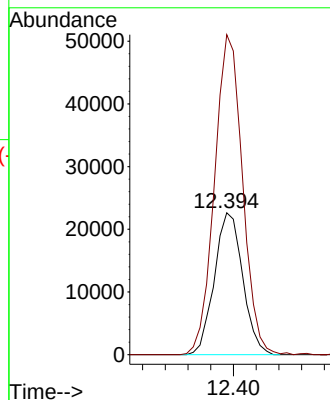
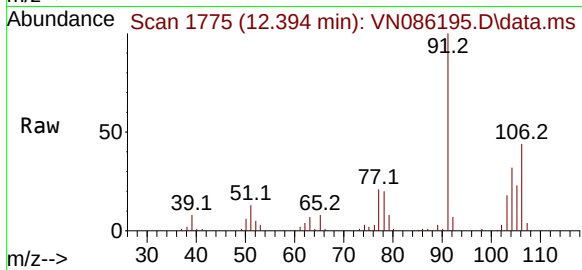
#69
o-Xylene
Concen: 17.815 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tgt Ion:106 Resp: 39205
Ion Ratio Lower Upper
106 100
91 223.1 109.1 327.2

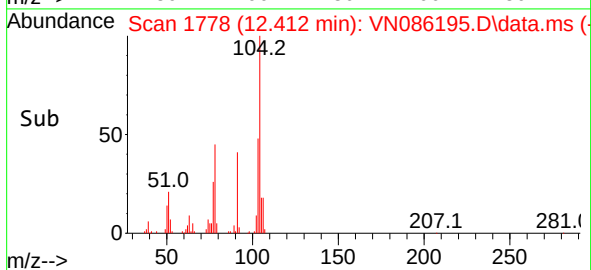
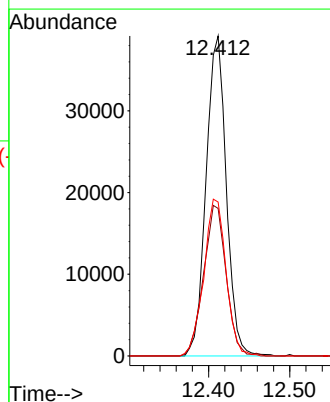
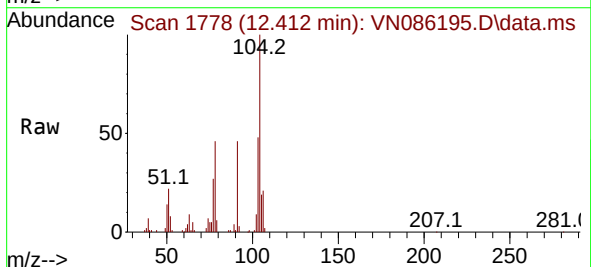
Manual Integrations
APPROVED

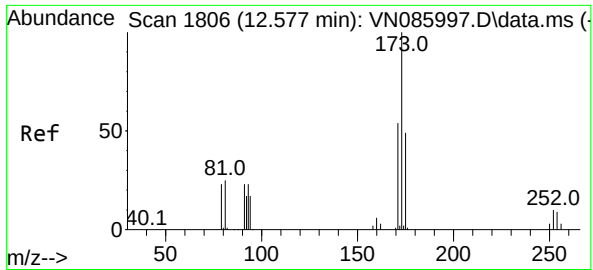
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#70
Styrene
Concen: 18.039 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

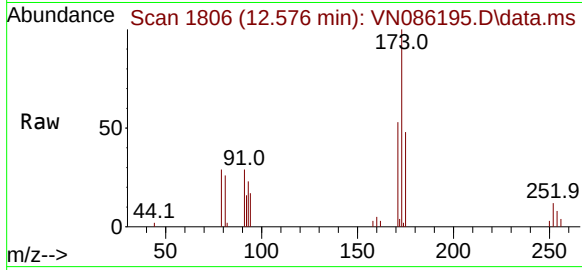
Tgt Ion:104 Resp: 67805
Ion Ratio Lower Upper
104 100
78 52.5 41.4 62.2
103 53.9 42.9 64.3





#71
Bromoform
Concen: 19.183 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

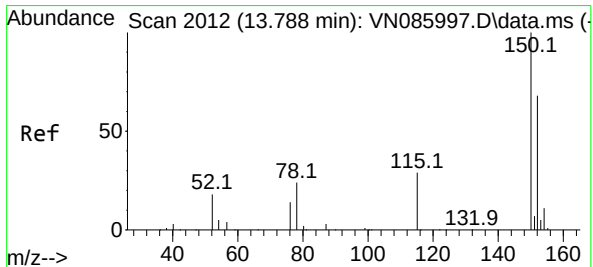
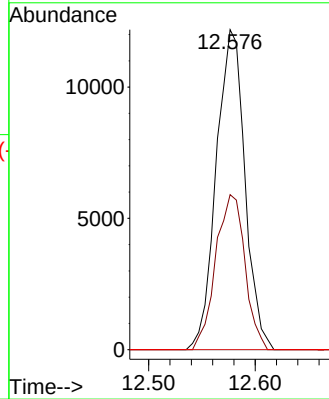
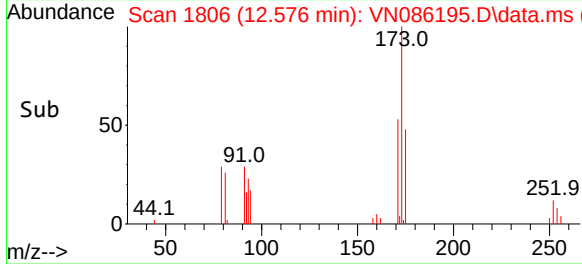
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



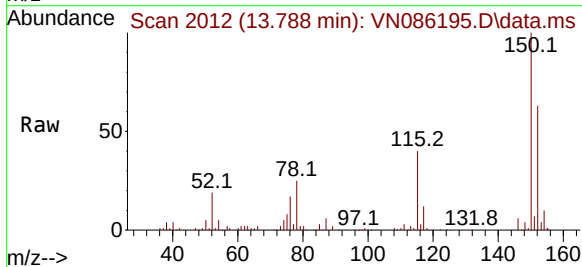
Tgt Ion:173 Resp: 22734
Ion Ratio Lower Upper
173 100
175 49.5 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

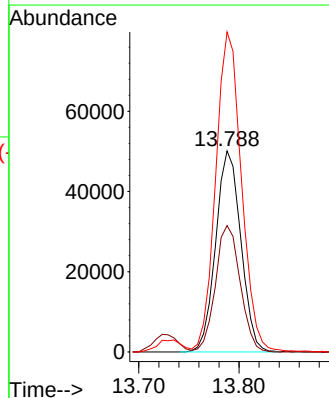
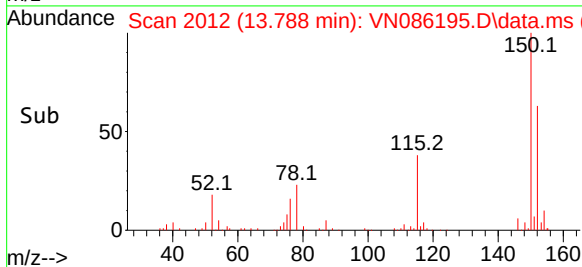
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

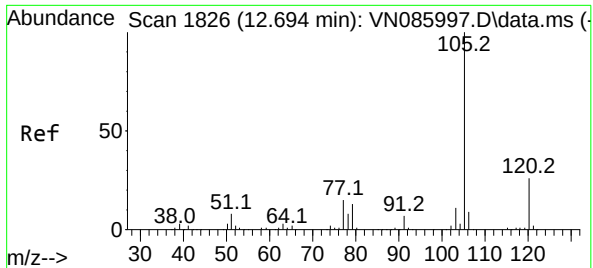


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48



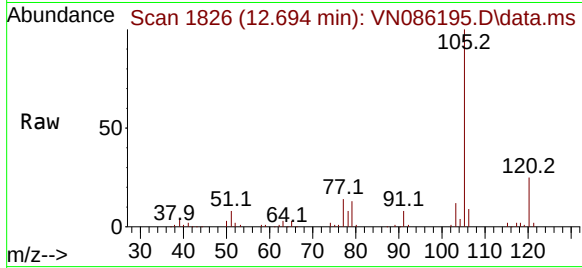
Tgt Ion:152 Resp: 87066
Ion Ratio Lower Upper
152 100
115 62.0 31.1 93.2
150 163.3 0.0 359.6





#73
Isopropylbenzene
Concen: 16.548 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

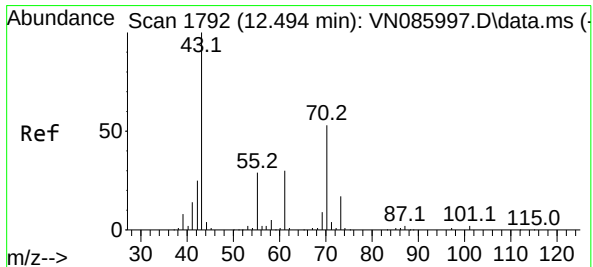
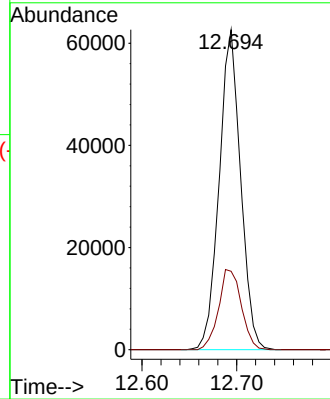
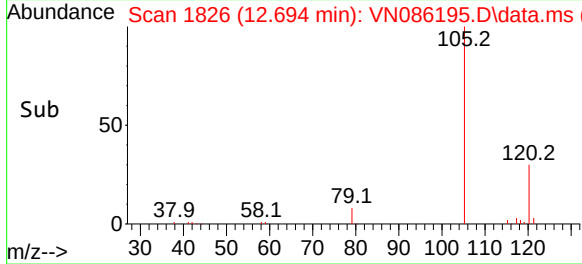
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion:105 Resp: 98380
Ion Ratio Lower Upper
105 100
120 26.5 13.0 39.0

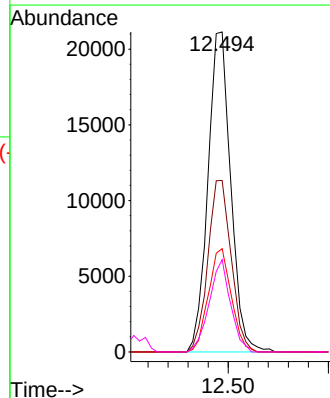
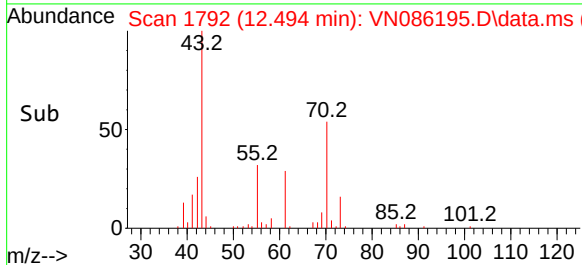
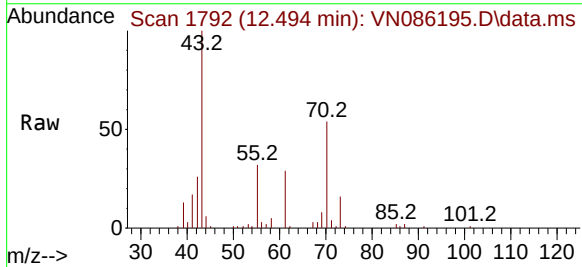
Manual Integrations
APPROVED

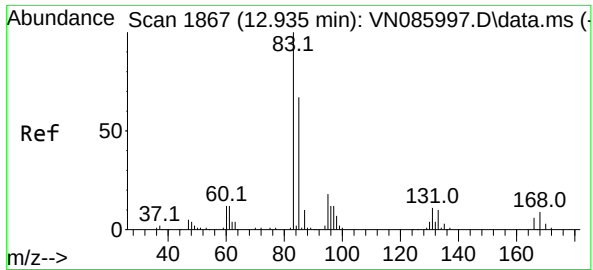
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#74
N-ethyl acetate
Concen: 16.809 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

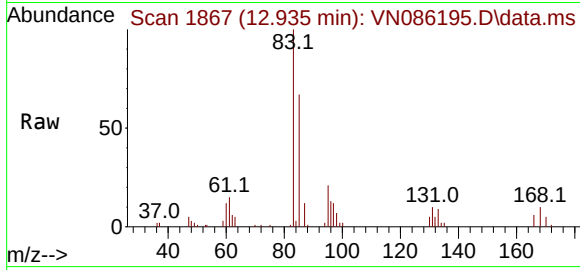
Tgt Ion: 43 Resp: 33437
Ion Ratio Lower Upper
43 100
70 54.8 43.0 64.4
55 32.5 23.8 35.8
61 26.9 23.4 35.0





#75
1,1,2,2-Tetrachloroethane
Concen: 17.059 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

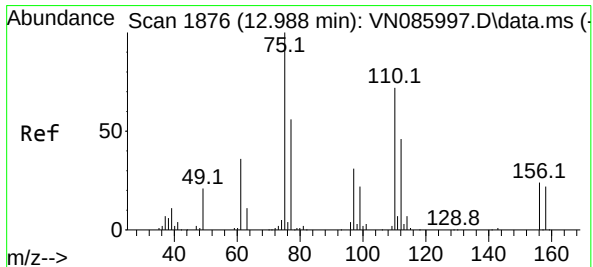
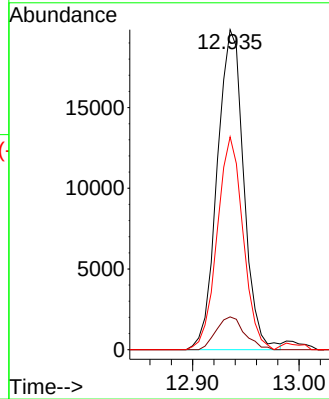
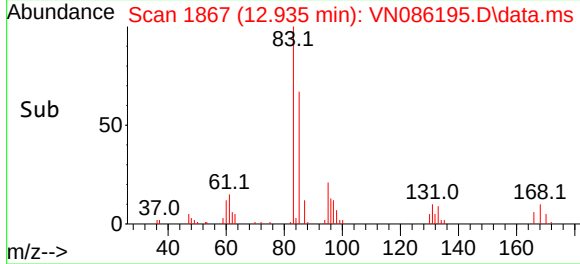
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion: 83 Resp: 34314
Ion Ratio Lower Upper
83 100
131 11.0 5.5 16.5
85 64.9 32.6 97.8

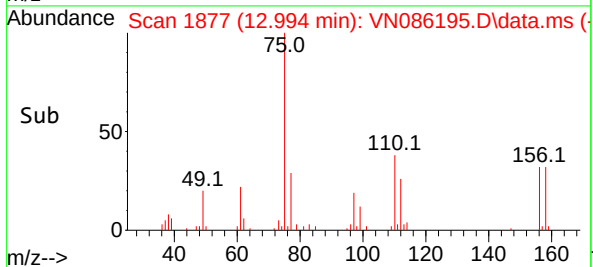
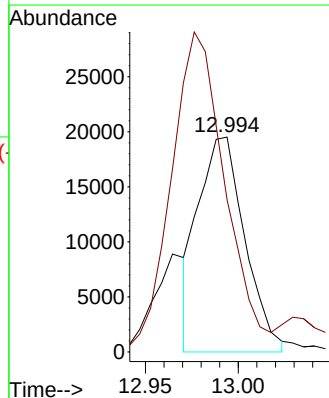
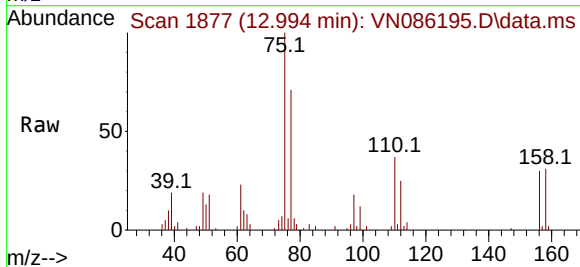
Manual Integrations
APPROVED

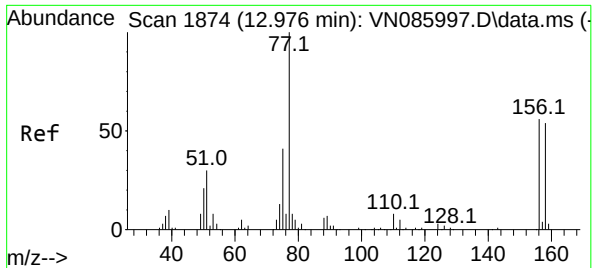
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#76
1,2,3-Trichloropropane
Concen: 17.382 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

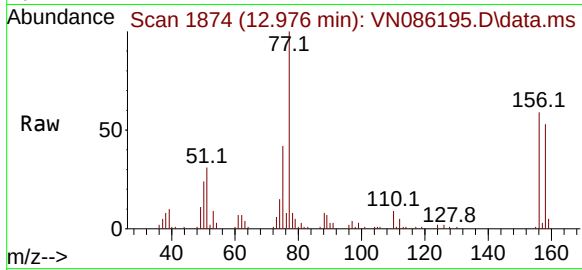
Tgt Ion: 75 Resp: 33882
Ion Ratio Lower Upper
75 100
77 172.5 83.7 251.0





#77
Bromobenzene
Concen: 17.871 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

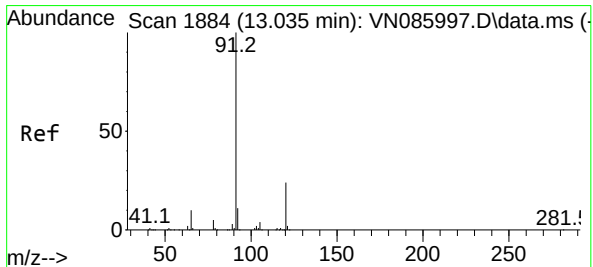
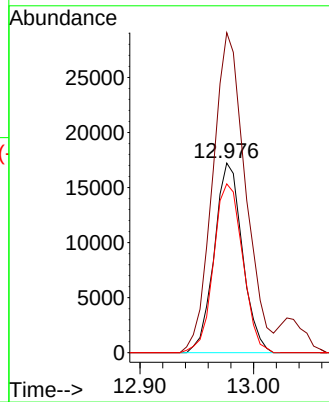
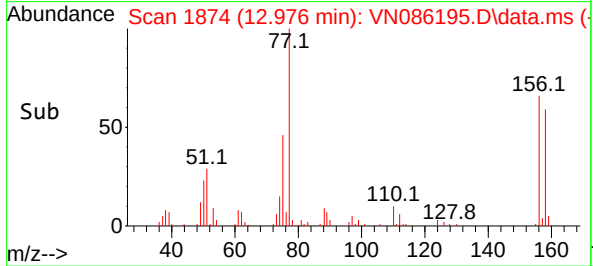
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion:156 Resp: 29628
Ion Ratio Lower Upper
156 100
77 197.2 104.1 312.3
158 92.0 49.0 147.0

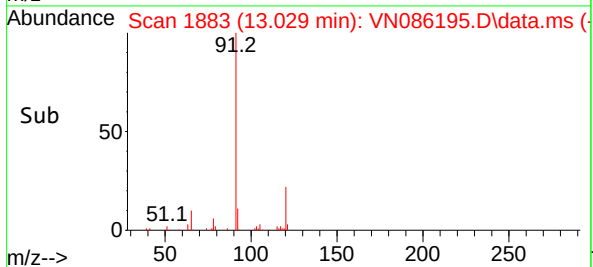
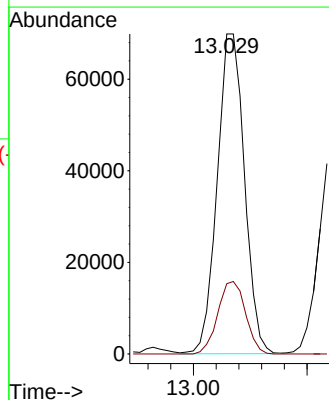
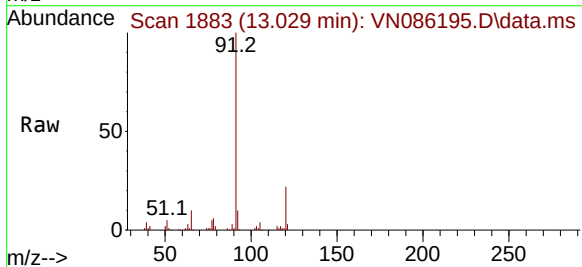
Manual Integrations
APPROVED

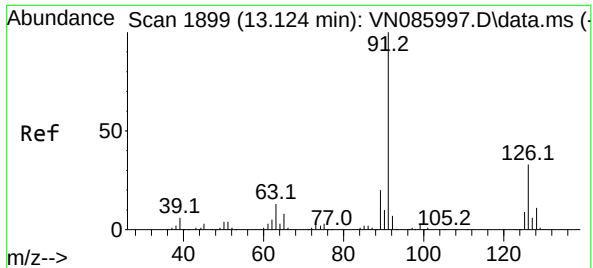
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#78
n-propylbenzene
Concen: 17.288 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion: 91 Resp: 116395
Ion Ratio Lower Upper
91 100
120 23.0 11.7 35.0





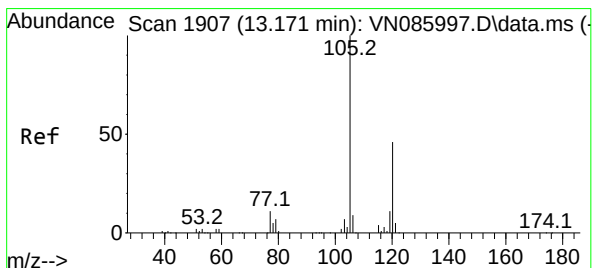
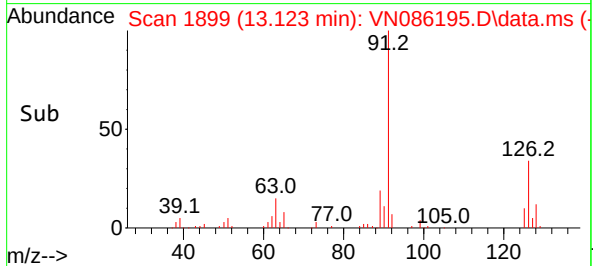
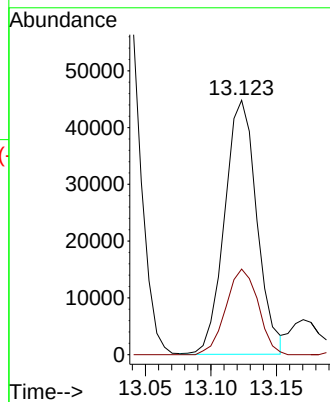
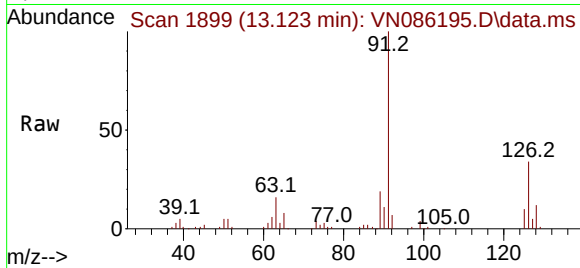
#79
2-Chlorotoluene
Concen: 17.153 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tgt Ion: 91 Resp: 7670
Ion Ratio Lower Upper
91 100
126 33.7 16.4 49.2

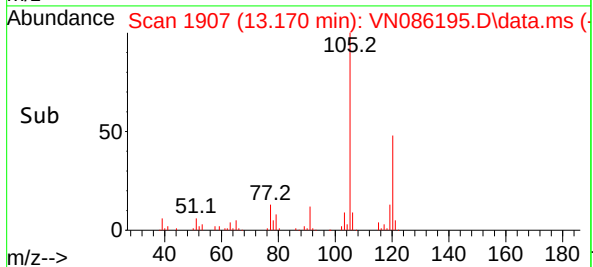
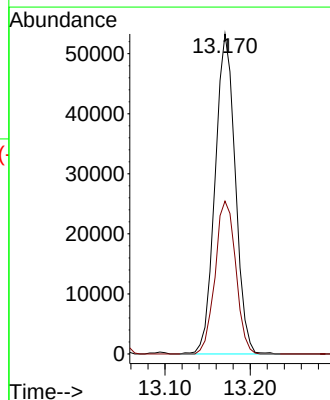
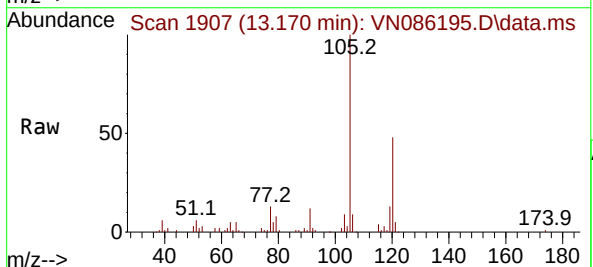
Manual Integrations
APPROVED

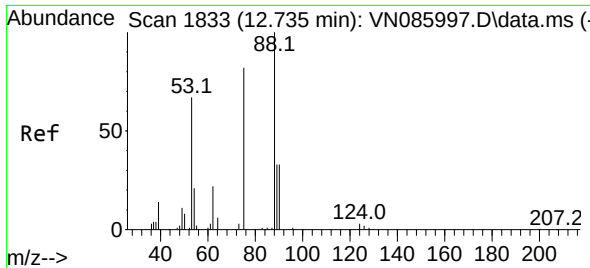
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#80
1,3,5-Trimethylbenzene
Concen: 17.496 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

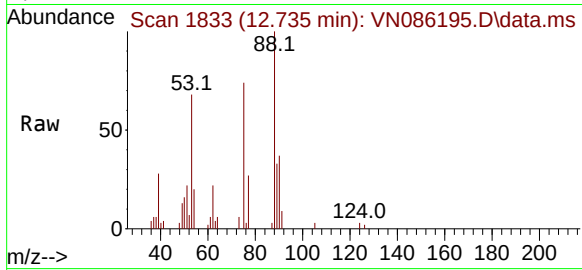
Tgt Ion:105 Resp: 87826
Ion Ratio Lower Upper
105 100
120 48.7 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 14.566 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

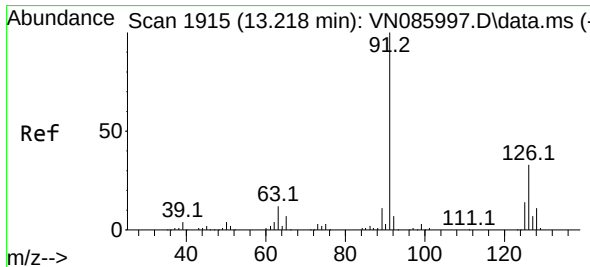
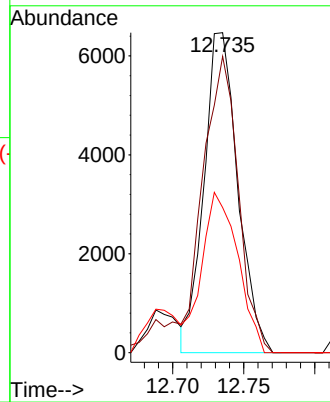
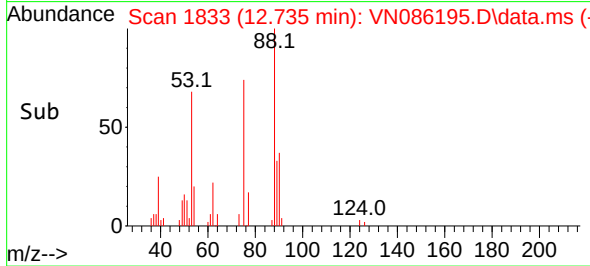
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



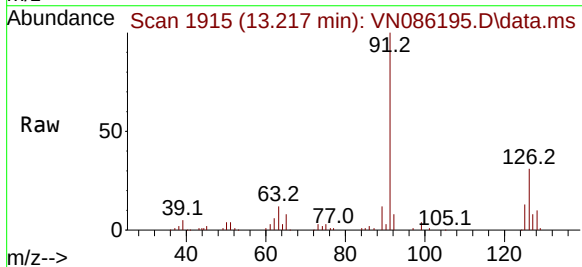
Tgt Ion: 75 Resp: 10739
Ion Ratio Lower Upper
75 100
53 106.1 66.0 99.0
89 53.4 36.9 55.3

Manual Integrations
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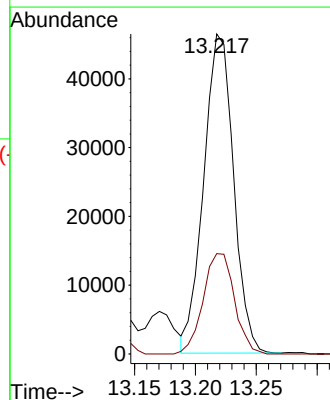
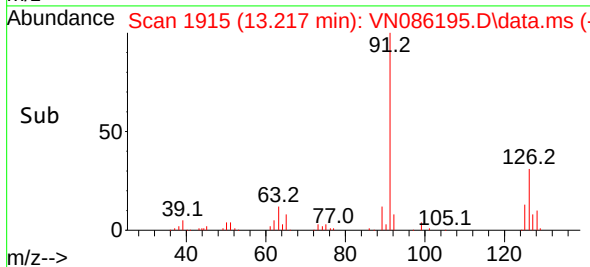
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

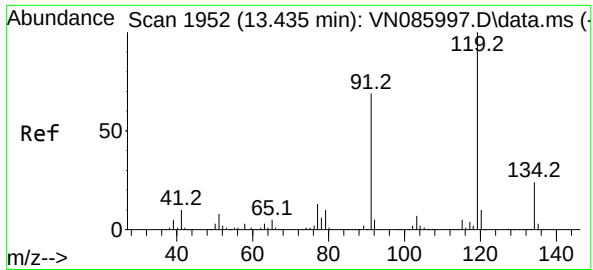


#82
4-Chlorotoluene
Concen: 17.209 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48



Tgt Ion: 91 Resp: 79137
Ion Ratio Lower Upper
91 100
126 32.9 16.1 48.2





#83

tert-Butylbenzene

Concen: 16.139 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tgt Ion:119 Resp: 6928

Ion Ratio Lower Upper

119 100

91 72.1 34.3 102.9

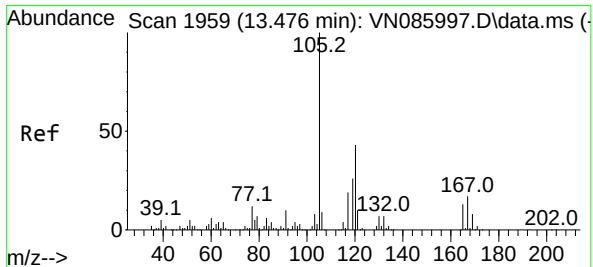
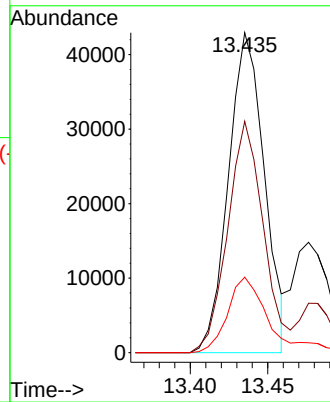
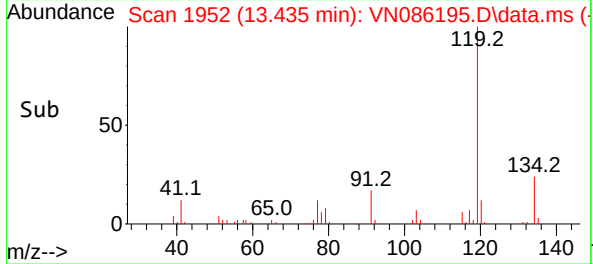
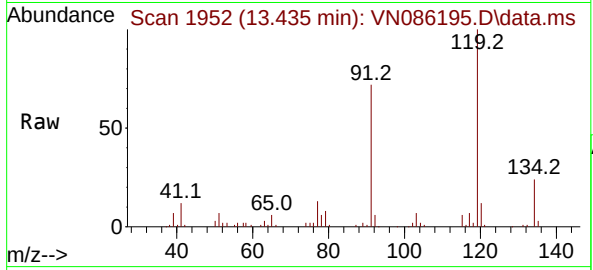
134 26.9 13.5 40.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#84

1,2,4-Trimethylbenzene

Concen: 17.577 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN086195.D

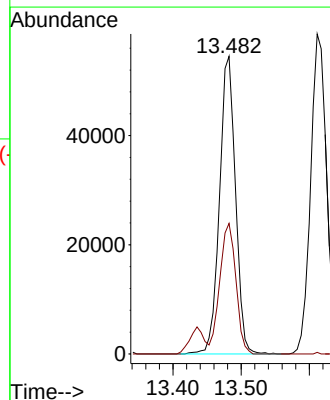
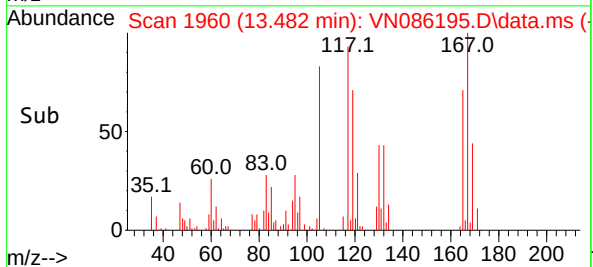
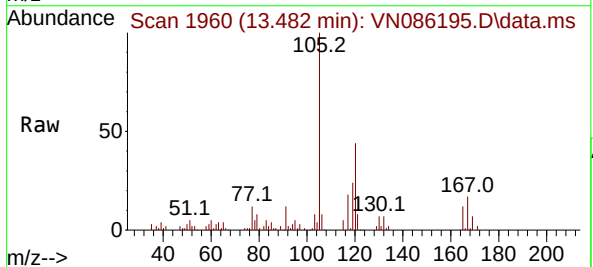
Acq: 01 Apr 2025 14:48

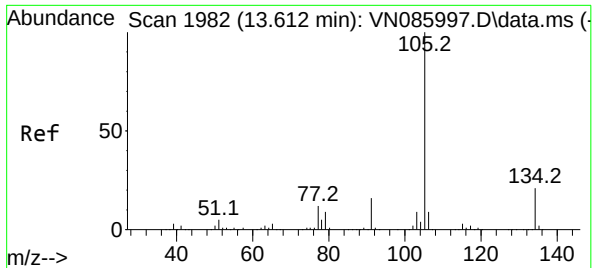
Tgt Ion:105 Resp: 88991

Ion Ratio Lower Upper

105 100

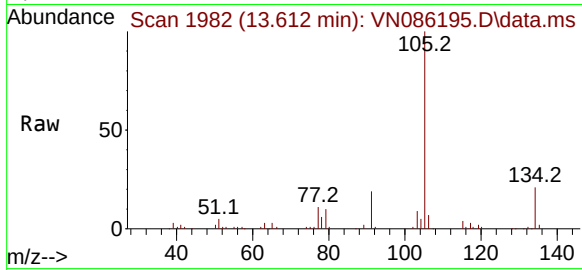
120 44.1 21.9 65.8





#85
 sec-Butylbenzene
 Concen: 17.019 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086195.D
 Acq: 01 Apr 2025 14:48

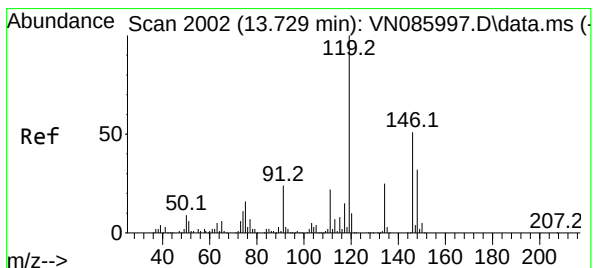
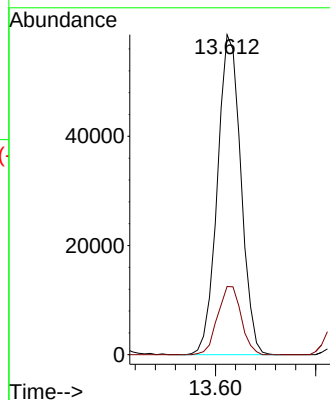
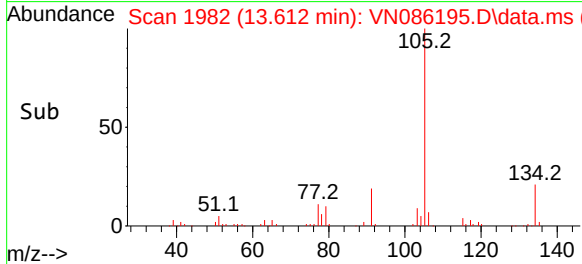
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01



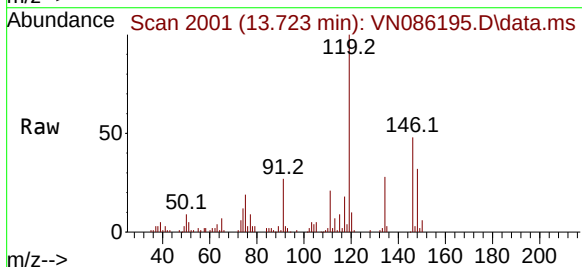
Tgt Ion:105 Resp: 95320
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.1 30.1

Manual Integrations
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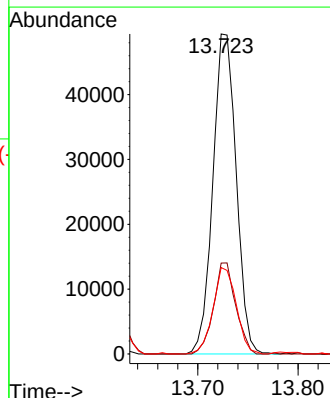
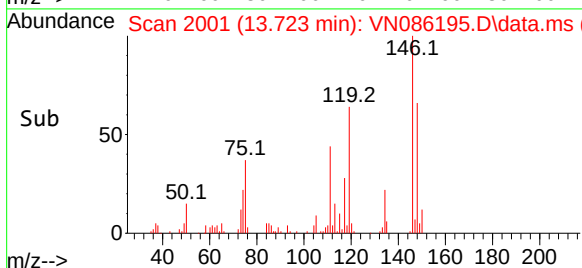
Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

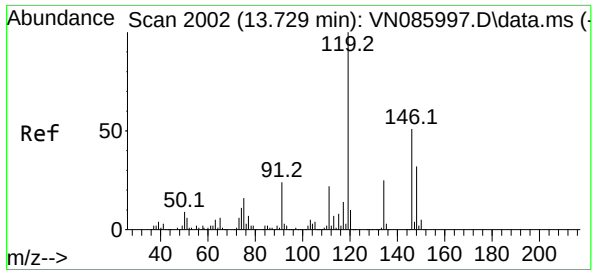


#86
 p-Isopropyltoluene
 Concen: 16.838 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN086195.D
 Acq: 01 Apr 2025 14:48



Tgt Ion:119 Resp: 79828
 Ion Ratio Lower Upper
 119 100
 134 27.1 12.6 37.8
 91 26.8 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 17.345 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

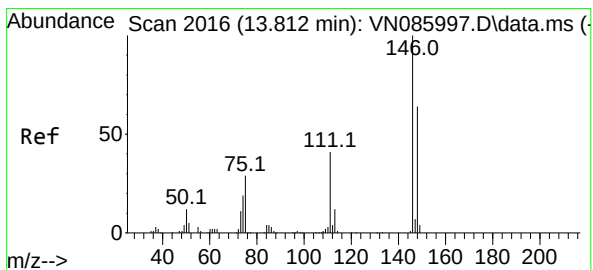
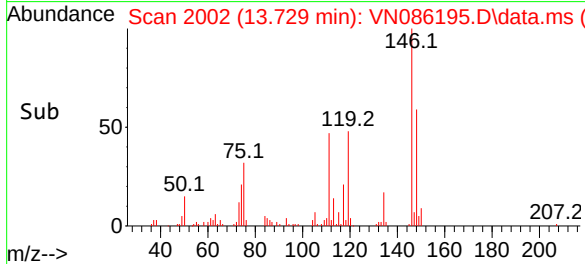
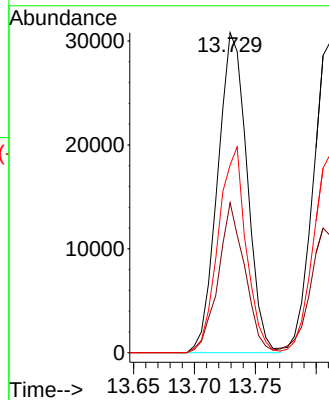
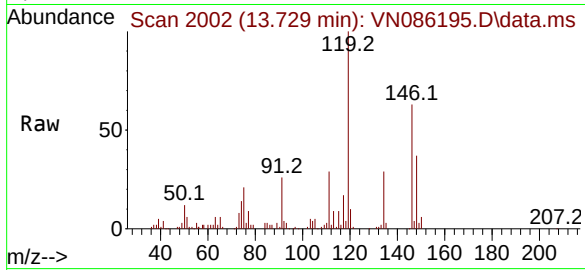
Tgt Ion:	146	Resp:	5183
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.2	63.6
148	61.2	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#88

1,4-Dichlorobenzene

Concen: 16.371 ug/l

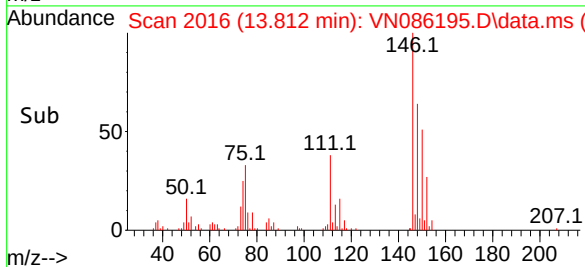
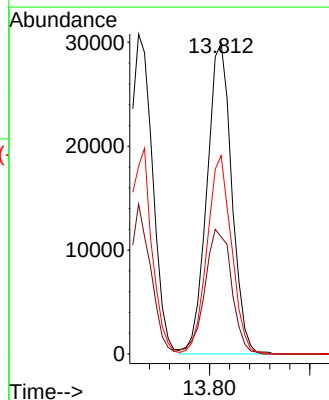
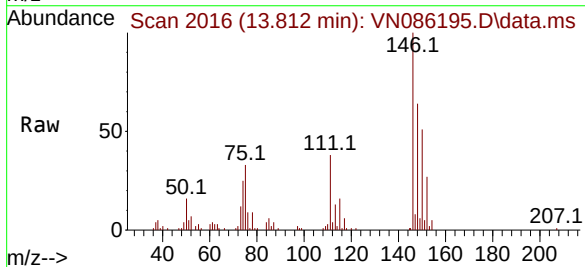
RT: 13.812 min Scan# 2016

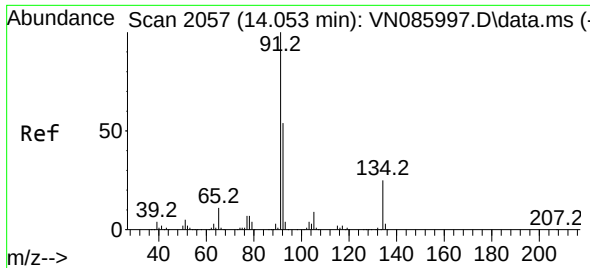
Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Tgt Ion:	146	Resp:	51399
Ion Ratio	Lower	Upper	
146	100		
111	43.4	20.4	61.3
148	63.0	32.1	96.5





#89

n-Butylbenzene

Concen: 15.429 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

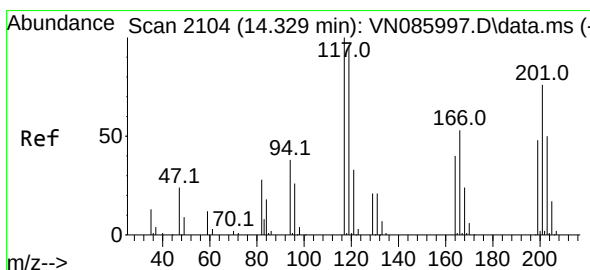
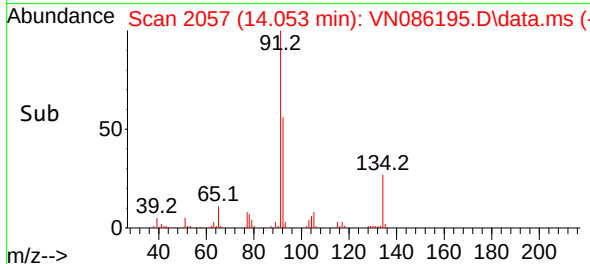
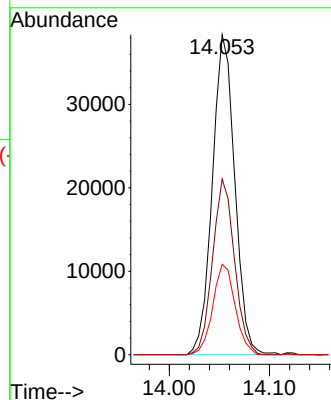
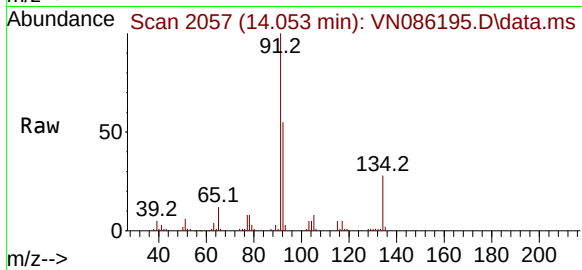
Tgt Ion:	91	Resp:	5956
Ion Ratio	Lower	Upper	
91	100		
92	53.6	26.9	80.6
134	28.2	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#90

Hexachloroethane

Concen: 15.810 ug/l

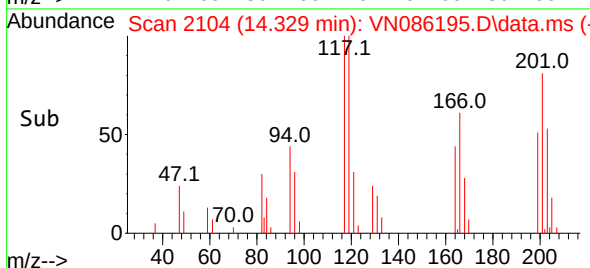
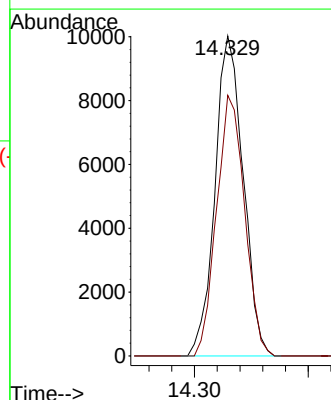
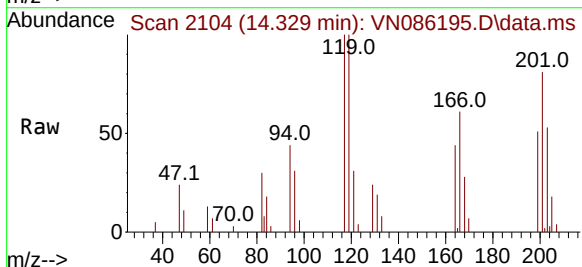
RT: 14.329 min Scan# 2104

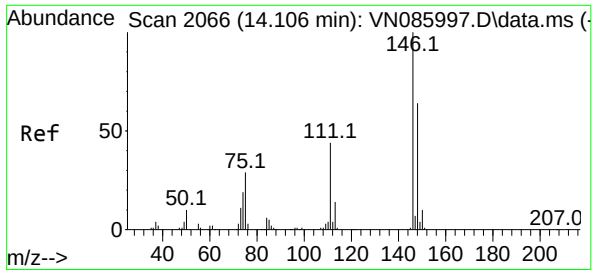
Delta R.T. -0.000 min

Lab File: VN086195.D

Acq: 01 Apr 2025 14:48

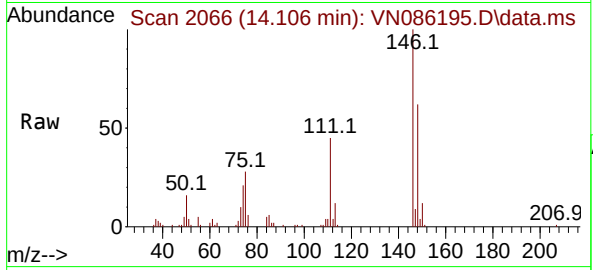
Tgt Ion:	117	Resp:	17296
Ion Ratio	Lower	Upper	
117	100		
201	80.9	39.1	117.3





#91
1,2-Dichlorobenzene
Concen: 16.758 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

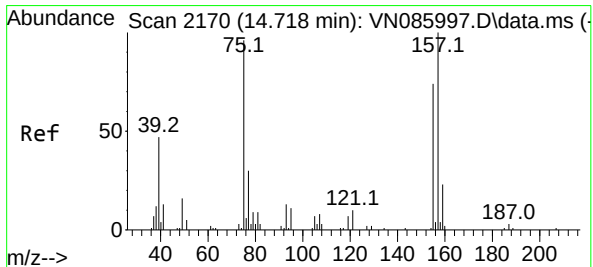
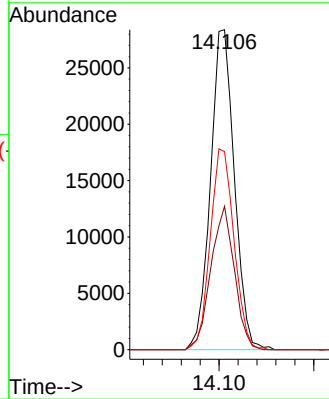
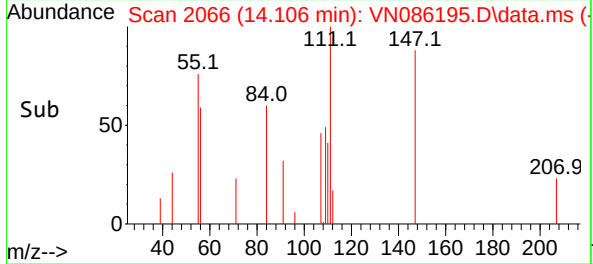
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion:146 Resp: 49784
Ion Ratio Lower Upper
146 100
111 44.2 22.3 66.8
148 62.6 32.1 96.5

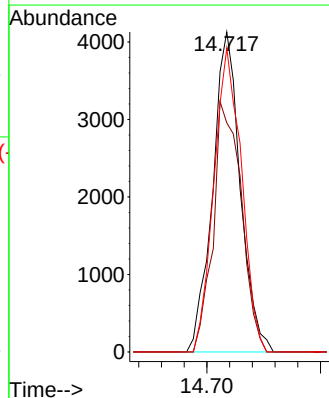
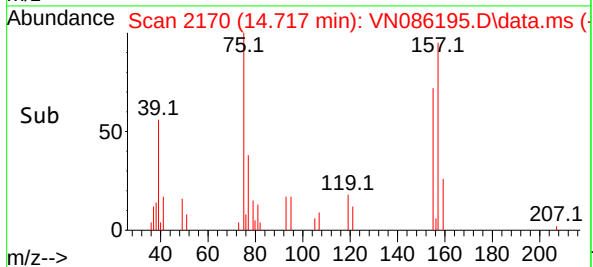
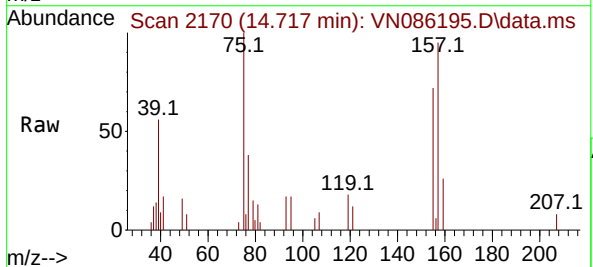
Manual Integrations
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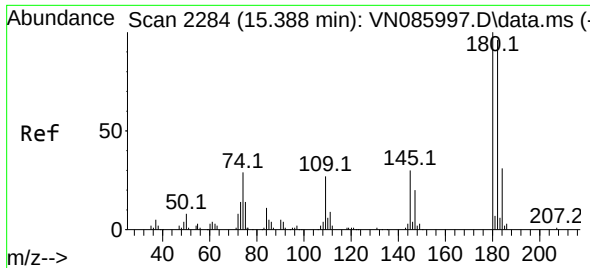
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.411 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

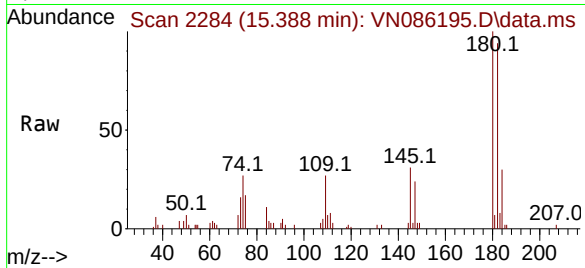
Tgt Ion: 75 Resp: 6991
Ion Ratio Lower Upper
75 100
155 79.2 41.0 123.0
157 94.7 53.7 161.1





#93
1,2,4-Trichlorobenzene
Concen: 14.972 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

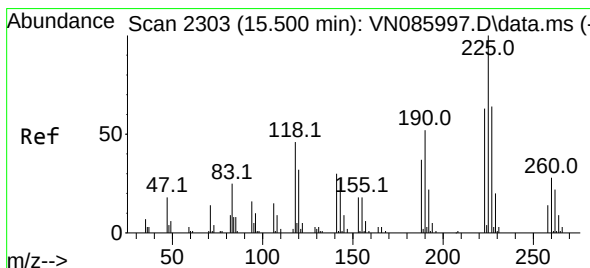
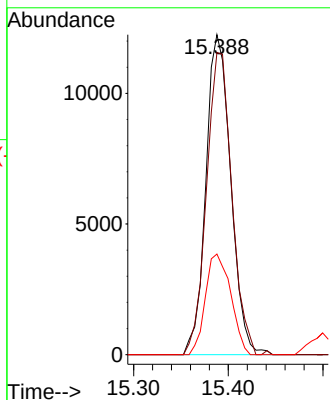
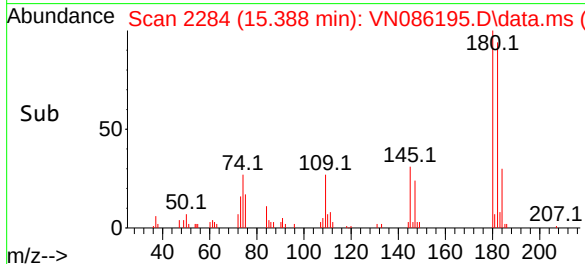
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



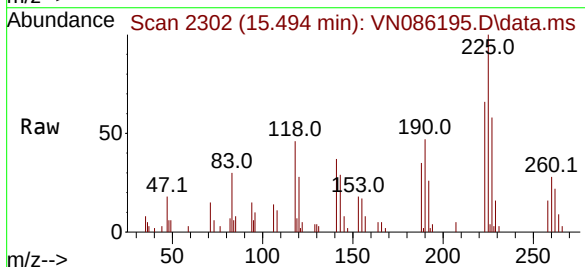
Tgt Ion:180 Resp: 22364
Ion Ratio Lower Upper
180 100
182 96.0 47.0 141.0
145 32.0 15.5 46.5

Manual Integrations
APPROVED

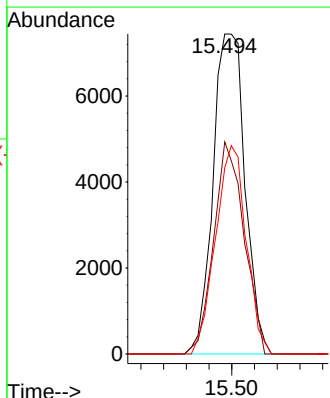
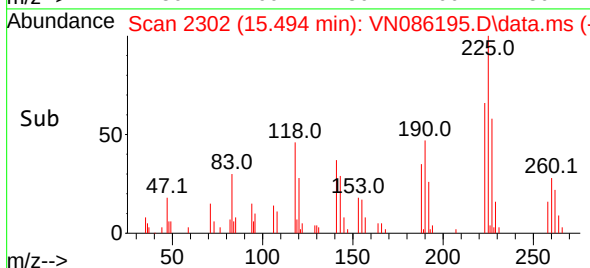
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

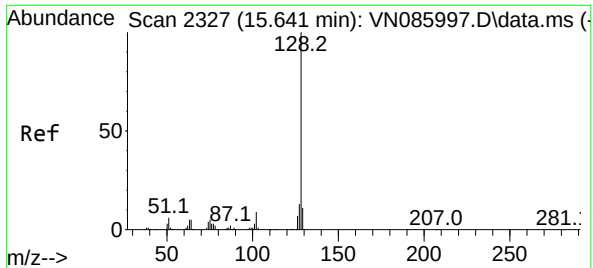


#94
Hexachlorobutadiene
Concen: 16.785 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48



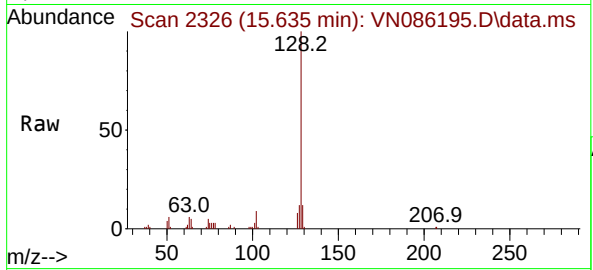
Tgt Ion:225 Resp: 14546
Ion Ratio Lower Upper
225 100
223 62.8 31.3 93.9
227 62.4 32.1 96.3





#95
Naphthalene
Concen: 14.612 ug/l
RT: 15.635 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

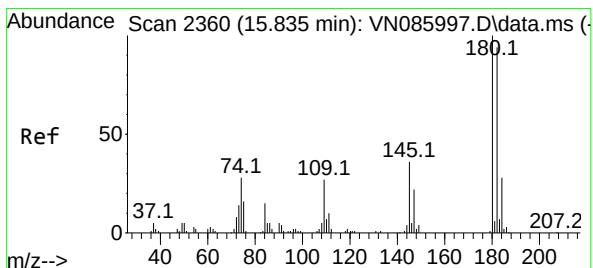
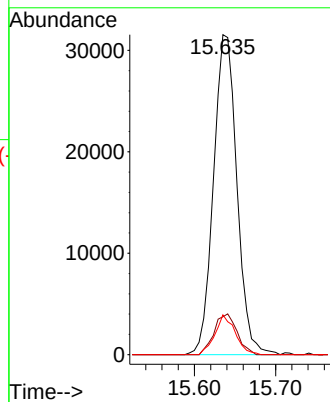
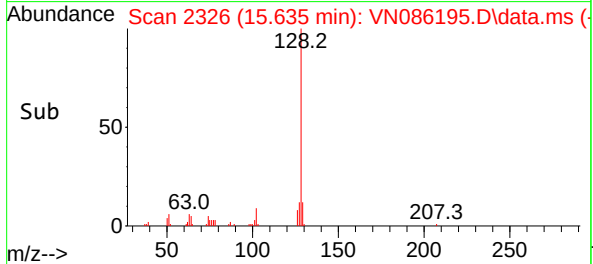
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01



Tgt Ion:128 Resp: 6320
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.8 9.0 13.6

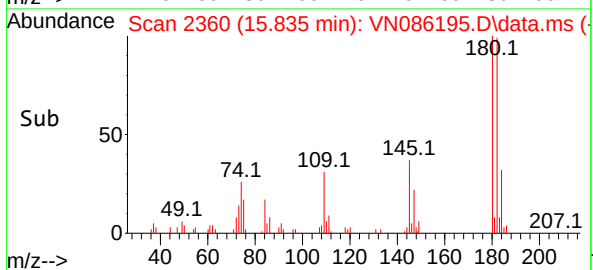
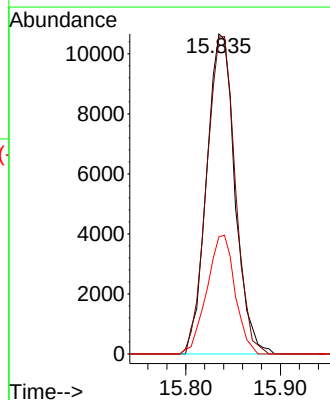
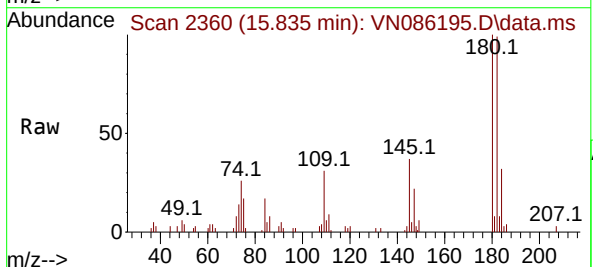
Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 15.626 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086195.D
Acq: 01 Apr 2025 14:48

Tgt Ion:180 Resp: 22147
Ion Ratio Lower Upper
180 100
182 99.9 47.5 142.5
145 36.8 17.7 53.1



Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085996.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:30 AM	MMDadoda	3/19/2025 2:21:56 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Vinyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC005	VN086000.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:51 AM	MMDadoda	3/19/2025 2:22:03 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1,2-Trichlorotrifluoroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1-Dichloroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,4-Dichlorobenzene	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN031825

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086001.D	Diisopropyl ether	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	Ethyl Acetate	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICV050	VN086003.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:43:04 AM	MMDadoda	3/19/2025 2:22:08 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vn040125

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086191.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:34 PM	MMDadoda	4/2/2025 2:15:48 PM	Peak Integrated by Software
VN0401WBS01	VN086194.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:35 PM	MMDadoda	4/2/2025 2:15:27 PM	Peak Integrated by Software
VN0401WBSD01	VN086195.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:46 PM	MMDadoda	4/2/2025 2:15:29 PM	Peak Integrated by Software
VSTDCCC050	VN086199.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:56 PM	MMDadoda	4/2/2025 2:15:42 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM
Supervise By	Maresh Dadoda	Supervise On	3/19/2025 2:22:13 PM
SubDirectory	VN031825	HP Acquire Method	HP Processing Method 82N031825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133352		
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399		
CCC	VP133353		
Internal Standard/PEM			
ICV/I.BLK	VP133401		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085994.D	18 Mar 2025 08:52	JC\MD	Ok
2	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	JC\MD	Not Ok
3	VSTDICC100	VN085996.D	18 Mar 2025 11:44	JC\MD	Ok,M
4	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	JC\MD	Ok,M
5	VSTDICC020	VN085998.D	18 Mar 2025 12:32	JC\MD	Ok,M
6	VSTDICC010	VN085999.D	18 Mar 2025 12:57	JC\MD	Ok,M
7	VSTDICC005	VN086000.D	18 Mar 2025 13:21	JC\MD	Ok,M
8	VSTDICC001	VN086001.D	18 Mar 2025 14:09	JC\MD	Ok,M
9	IBLK	VN086002.D	18 Mar 2025 14:34	JC\MD	Ok
10	VSTDICV050	VN086003.D	18 Mar 2025 16:49	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN040125

Review By	John Carlone	Review On	4/2/2025 9:47:49 AM
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:02 PM
SubDirectory	VN040125	HP Acquire Method	HP Processing Method 82N031825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133553		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133554,VP133558		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086190.D	01 Apr 2025 11:41	JC\MD	Ok
2	VSTDCCC050	VN086191.D	01 Apr 2025 12:30	JC\MD	Ok,M
3	VN0401MBL01	VN086192.D	01 Apr 2025 13:05	JC\MD	Ok
4	VN0401WBL01	VN086193.D	01 Apr 2025 13:29	JC\MD	Ok
5	VN0401WBS01	VN086194.D	01 Apr 2025 13:54	JC\MD	Ok,M
6	VN0401WBSD01	VN086195.D	01 Apr 2025 14:48	JC\MD	Ok,M
7	Q1659-01	VN086196.D	01 Apr 2025 15:13	JC\MD	Ok
8	Q1659-02	VN086197.D	01 Apr 2025 15:37	JC\MD	Not Ok
9	Q1690-01	VN086198.D	01 Apr 2025 16:01	JC\MD	Ok
10	VSTDCCC050	VN086199.D	01 Apr 2025 16:35	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM
Supervise By	Maresh Dadoda	Supervise On	3/19/2025 2:22:13 PM
SubDirectory	VN031825	HP Acquire Method	HP Processing Method 82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085994.D	18 Mar 2025 08:52		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085996.D	18 Mar 2025 11:44		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	Comp.#56 and 58 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085998.D	18 Mar 2025 12:32		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085999.D	18 Mar 2025 12:57	%D failed for Comp. #58 in 01PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN086000.D	18 Mar 2025 13:21		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN086001.D	18 Mar 2025 14:09		JC\MD	Ok,M
9	IBLK	IBLK	VN086002.D	18 Mar 2025 14:34		JC\MD	Ok
10	VSTDICV050	ICVVN031825	VN086003.D	18 Mar 2025 16:49	ICV Failed for comp. #39,52,58,68,69,70,78,80,84,85, 86,89 For DOD	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN040125

Review By	John Carlone	Review On	4/2/2025 9:47:49 AM
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:02 PM
SubDirectory	VN040125	HP Acquire Method	HP Processing Method 82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133553
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133554,VP133558

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086190.D	01 Apr 2025 11:41		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086191.D	01 Apr 2025 12:30	pH#Lot#V12668	JC\MD	Ok,M
3	VN0401MBL01	VN0401MBL01	VN086192.D	01 Apr 2025 13:05		JC\MD	Ok
4	VN0401WBL01	VN0401WBL01	VN086193.D	01 Apr 2025 13:29		JC\MD	Ok
5	VN0401WBS01	VN0401WBS01	VN086194.D	01 Apr 2025 13:54		JC\MD	Ok,M
6	VN0401WBSD01	VN0401WBSD01	VN086195.D	01 Apr 2025 14:48		JC\MD	Ok,M
7	Q1659-01	3808	VN086196.D	01 Apr 2025 15:13	vial A pH<2	JC\MD	Ok
8	Q1659-02	3809	VN086197.D	01 Apr 2025 15:37	RT Shifted ;Internal Standards fail,surrogate fail;Need Straight Run	JC\MD	Not Ok
9	Q1690-01	MW112010	VN086198.D	01 Apr 2025 16:01	vial A pH<2	JC\MD	Ok
10	VSTDCCC050	VSTDCCC050EC	VN086199.D	01 Apr 2025 16:35		JC\MD	Ok,M

M : Manual Integration



SHIPPING DOCUMENTS

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